STP 9-91A14-SM-TG

SOLDIER'S MANUAL/TRAINER'S GUIDE

ABRAMS TANK SYSTEM MAINTAINER

SKILL LEVELS 1, 2, 3, 4

MOS 91A

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SOLDIER'S MANUAL and TRAINER'S GUIDE

MOS 91A

Soldier's Manual and Trainer's Guide, MOS 91A, Abrams Tank System Maintainer

Skill Levels 1, 2, 3 and 4

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[1]This STP supersedes STP 9-63A14-SM-TG, Soldier's Manual and Trainer's Guide, MOS 63A, Abrams Tank System Maintainer, dated 19 Jun 2009.

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PREFACE

This soldier training publication (STP) is intended for soldiers holding MOS 91A, Skill Levels 1, 2, 3, and 4, their supervisors, trainers, and commanders. It contains an MOS Training Plan providing information needed to plan, conduct, and evaluate unit training, one of the most important jobs of military leaders. It includes standardized training objectives in the form of task summaries that can be used to train and evaluate soldiers on critical tasks supporting unit missions during wartime.

Soldiers holding MOS 91A should have access to this publication. Trainers and first line supervisors should actively plan for soldiers' access, making it available in work areas, unit learning centers, and unit libraries. However, it is not intended for an individual copy to be provided to each MOS holder. The STP is obtainable on line from the Reimer Digital Library (RDL).

Tasks in this manual apply to both Active and Reserve Component soldiers.

The proponent of this publication is HQ TRADOC. Submit comments and recommendations on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to: Department of the Army, Training Directorate, Ordnance Training Division, ATTN: ATCL-TDF, Bldg 5020, 2221 Adams Avenue, Fort Lee, VA 23801-2102.

Unless this publication states otherwise, masculine nouns and pronouns do not refer exclusively to men.

CHAPTER 1

Introduction

1-1. General. This soldier training publication (STP) identifies individual MOS training requirements for soldiers holding MOS 91A. Commanders, trainers, and soldiers should use it to plan, conduct, and evaluate individual training in units. The STP is the primary MOS reference for supporting self-development, evaluating MOS proficiency, and training of 91A soldiers. Commanders employ two primary methods to evaluate soldiers' proficiency:

- Commander's evaluation. Commander's evaluations are local tests or assessments of soldiers' performance of MOS-specific and common tasks critical to the unit mission. They may be conducted year-round.

- Common task test (CTT). CTTs are hands-on tests used to evaluate proficiency on common tasks. Alternate written tests are provided if equipment is not available for hands-on testing.

This publication is the soldier's primary reference to prepare for a commander's evaluation of MOS-specific tasks. It contains task summaries for all critical tasks specific to the MOS and skill level (SL). Commanders and trainers will use this soldier's manual/trainer's guide (SM/TG) to plan and conduct training and commander's evaluations.

Chapter 2, Trainer's Guide, contains information needed to plan training requirements for this MOS. The trainer's guide

- Identifies subject areas in which soldiers must be trained.

- Identifies critical tasks for each subject area.

- Specifies where soldiers are initially trained on each task.

- Recommends how often each task should be trained to sustain proficiency.

- Recommends a strategy for cross-training soldiers.

- Recommends a strategy for training soldiers to perform higher-level tasks.

Use this STP along with STP 21-1-SMCT (Soldier's Manual of Common Tasks, Skill Level 1), STP 21-24-SMCT (Soldier's Manual of Common Tasks, Skill Levels 2-4), Army training and evaluation programs (ARTEPs), FM 25-4 (How to Conduct Training Exercises), FM 25-5 (Training for Mobilization and War), FM 25-100 (Training the Force), and FM 25-101 (Battle-Focused Training) to establish effective training plans and programs that integrate soldier, leader, and collective tasks.

1-2. Task Summaries. Task summaries outline wartime performance requirements for each critical task in the STP. They provide both soldier and trainer with the information necessary to prepare, conduct, and evaluate critical task training. As a minimum, task summaries include information soldiers must know and skills they must perform to standard for each task. Following is the task summary format:

- Task number. The task number is a 10-digit number that identifies the task and skill level. Include the task number and title in any correspondence relating to the task.

- Task title. The task title identifies the action to be performed.

- Conditions. The task conditions statement describes the field or garrison conditions under which the task will be performed and identifies the equipment, tools, references, job aids, and supporting personnel that the soldier needs to perform the task in wartime.

- Standards. The task standards describe how well and to what level of proficiency the soldier must perform the task under wartime conditions. Standards are typically expressed in terms of accuracy, completeness, duration, sequence, speed, and tolerance.

- Performance measures. This section identifies specific actions that the soldier must accomplish to complete the task successfully. Performance measures appear in a GO/NO-GO rating format for easy evaluation. Some tasks may also include detailed training information in a Training Information Outline and an Evaluation Preparation Section. The Evaluation Preparation Section indicates necessary modifications to task performance in order to train and evaluate a task that can not be trained to the wartime standard under wartime conditions. It may also include special training and evaluation preparation instructions to accommodate these modifications and any instructions that should be given to the soldier before evaluation.

- References. This section identifies references that provide more detailed explanations of task performance requirements than are given in the task summary.

- Warnings. Warnings alert users to the possibility of immediate personal injury or equipment damage.

- Notes. Notes provide additional supportive explanations or tips relating to task performance.

1-3. Soldier's Responsibilities. Each soldier is responsible for performing individual tasks identified by the first-line supervisor based on the unit's mission-essential task list (METL). Soldiers must perform tasks to the standards included in the task summary. If soldiers have questions about tasks or which tasks in this manual they must perform, they are responsible for asking their first-line supervisor for clarification. First-line supervisors know how to perform each task or can direct soldiers to appropriate training materials, including current field manuals, technical manuals, and Army regulations. Soldiers are responsible for using these materials to maintain performance. They are also responsible for maintaining performance of all common tasks listed in the SMCTs at their current skill level and below.

Periodically, soldiers should ask their supervisor or another solder to check their performance to ensure that they can perform the tasks.

1-4. NCO Self-Development and the STP. Self-development is a key component of leader development. Leaders follow planned, progressive, sequential self-development programs developed by the individual NCO and his or her first-line supervisor to enhance and sustain military competencies. Self-development consists of individual study, research, professional reading, practice, and self-assessment. The self-development concept requires NCOs, as Army professionals, to take responsibility for remaining current in all phases of their MOS. The STP is the NCO's primary source for maintaining MOS proficiency.

Another important resource for self-development is the Army Correspondence Course Program (ACCP). Information is available at local education centers or on line through the Army Institute for Professional Development (AIPD) web site, http://www.train.army.mil/. The web site offers on-line enrollment.

1-5. Commander's Responsibilities. Commanders must ensure that their unit training plans prepare the unit for war by enabling soldiers to develop and sustain proficiency in their MOS and skill level tasks. Commanders should design unit training programs to provide individual training for all soldiers assigned to the unit and to evaluate soldier proficiency routinely as part of the commander's evaluation program. The unit training program should also integrate individual training with crew drills and other collective training. The MOS training plan provides information on which to base integration, cross-train, train-up, and sustainment training programs. Commanders should use the MOS training plan when developing unit training plans.

1-6. Trainer's Responsibilities. Training is the business of all unit leaders. First-line leaders are the principal trainers in the unit because they directly supervise soldiers and lead crews, squads, sections, and teams.

Trainers can use the MOS training plan to determine the critical tasks each soldier is responsible for. They should tell each soldier which tasks he or she must be able to perform. Trainers should evaluate task performance to determine which tasks each soldier can or cannot perform to standard. Soldiers who cannot perform a task to standard need further training. This STP helps the trainer do what trainers get paid to do; train. Developing effective training is explained in detail in FM 25-100 and FM 25-101.

Every task summary in this STP includes performance measures, which trainers may use year-round to determine if soldiers can perform critical tasks to the specified standards. The performance measures identify what the trainer needs to observe to score a soldier's performance. A blank space is provided for the trainer to check either the GO or NO-GO column for each performance measure. Some tasks require the trainer to watch the soldier perform them (evaluate the process). Other tasks call for the trainer to focus on the results of the soldier's performance (evaluate the product). Comments should not be written on the task summary.

Trainers can monitor the progress of their soldiers by recording task go/no-go results. Trainers may use DA Form 5164-R (Hands-On Evaluation) to record the performance measures a soldier passed or failed. The form, which may be locally reproduced, applies to all tasks in this STP. Trainers may have DA Form 5164-R overprinted with information unique to their training requirements before reproducing it. See Appendix A of this STP for a sample DA Form 5164-R with instructions.

Trainers may use DA Form 5165-R (Field Expedient Squad Book) to record hands-on go/no-go results for a group of soldiers (for example, a crew, section, or squad) having the same MOS and skill level. This form supports conduct of commander's evaluations, and can be used to record training results gathered in the field during slack time for all MOSs and skill levels. Use of this form is optional. See Appendix B for a sample DA Form 5165-R with instructions. Trainers should work with each soldier until tasks can be performed to specific task summary standards.

1-7. Training Support. References have been identified for each task to assist in planning and conducting training. A consolidated list of references identified by type, publication number, and title and a comprehensive glossary of acronyms, abbreviations, and definitions are included in this STP.

CHAPTER 2

Training Guide

91A CAREER FIELD DUTY POSITIONS			
Duty Position	**SSSubjectt Area**	**Cross Train**	**Train-up/Merger**
Skill Level 1			
Abrams Tank System Maintainer	1 - 2	NA	91A20 / Abrams Tank System Maintainer
Joint Assault Bridge/Armored Breacher Vehicle Maintainer (ASI-D8)			91A20 / Joint Assault Bridge/Armored Breacher Vehicle Maintainer (ASI-D8)
Recovery Vehicle Operator (ASI-H8)			91A20 / Recovery Vehicle Operator (ASI-H8)
M1A2 (SEP) Tank System Maintainer (ASI-K4)			91A20 / M1A2 (SEP) Tank System Maintainer (ASI-K4)
M104 Wolverine System Maintainer (ASI-V2)			91A20 / M104 Wolverine System Maintainer (ASIV2)
Skill Level 2			
Abrams Tank System Maintainer	1 - 2	NA	91A30 / Abrams Tank System Maintainer
Joint Assault Bridge/Armored Breacher Vehicle Maintainer (ASI-D8)			91A30 / Joint Assault Bridge/Armored Breacher Vehicle Maintainer (ASI-D8)
Recovery Vehicle Operator (ASI-H8)			91A30 / Recovery Vehicle Supervisor
M1A2 (SEP) Tank System Maintainer (ASI-K4)			91A30 / M1A2 (SEP) Tank System Maintainer
M104 Wolverine System Maintainer (ASI-V2)			91A30 / M104 Wolverine System Maintainer (ASIV2)
Skill Level 3			
Abrams Tank System Maintainer Recovery Vehicle Supervisor	3 - 4	NA	91A40 / Abrams Tank Maintenance Supervisor
Skill Level 4			
Abrams Tank Maintenance Supervisor	5	NA	91Z50 / Mechanical Maintenance Supervisor

2-1. General. The MOS Training Plan (MTP) identifies the essential components of a unit training plan for individual training. Units have different training needs and requirements based on differences in environment, location, equipment, dispersion, and similar factors. Therefore, the MTP should be used as a guide for conducting unit training and not a rigid standard. The MTP consists of two parts. Each part is designed to assist the commander in preparing a unit training plan which satisfies integration, cross training, training up, and sustainment training requirements for soldiers in this MOS.

Part One of the MTP shows the relationship of an MOS skill level between duty position and critical tasks. These critical tasks are grouped by task commonality into subject areas.

Section I lists subject area numbers and titles used throughout the MTP. These subject areas are used to define the training requirements for each duty position within an MOS.

Section II identifies the total training requirement for each duty position within an MOS and provides a recommendation for cross training and train-up/merger training.

- **Duty Position Column**. This column lists the duty positions of the MOS, by skill level, which have different training requirements.
- **Subject Area Column**. This column lists, by numerical key (see Section I), the subject areas a soldier must be proficient in to perform in that duty position.
- **Cross-Train Column**. This column lists the recommended duty position for which soldiers should be cross-trained.
- **Train-Up/Merger Column**. This column lists the corresponding duty position for the next higher skill level or MOSC the soldier will merge into on promotion.

Part Two lists, by general subject areas, the critical tasks to be trained in an MOS and the type of training required (resident, integration, or sustainment).

- **Subject Area Column**. This column lists the subject area number and title in the same order as Section I, Part One of the MTP.
- **Task Number Column**. This column lists the task numbers for all tasks included in the subject area.
- **Title Column**. This column lists the task title for each task in the subject area.
- **Training Location Column**. This column identifies the training location where the task is first trained to soldier training publications standards. If the task is first trained to standard in the unit, the word “Unit” will be in this column. If the task is first trained to standard in the training base, it will identify, by brevity code (ALC, SLC, etc.), the resident course where the task was taught. Figure 2-1 contains a list of training locations and their corresponding brevity codes.

ASI	Additional Skill Identifier Course
AIT	Advanced Individual Training
ALC	Advanced Leader's Course
UNIT	Trained in the Unit
SLC	Senior Leader's Course
SNCOC	Senior NCO Course
ASI/SD	Additional Skill Identifier/Special Duty

Figure 2-1. Training Locations

- **Sustainment Training Frequency Column**. This column indicates the recommended frequency at which the tasks should be trained to ensure soldiers maintain task proficiency. Figure 2-2 identifies the frequency codes used in this column.

BA	-	Biannually
AN	-	Annually
SA	-	Semiannually
QT	-	Quarterly
MO	-	Monthly
BW	-	Biweekly
WK	-	Weekly

Figure 2-2. Sustainment Training Frequency Codes

- **Sustainment Training Skill Level Column**. This column lists the skill levels of the MOS for which soldiers must receive sustainment training to ensure they maintain proficiency to soldier's manual standards.

2-2. Subject Area Codes.

Skill Level 1

1 ADMINISTRATIVE TASKS (SKILL LEVEL 1/2)
2 TECHNICAL TASKS (SKILL LEVEL 1/2)
3 JOINT ASSAULT BRIDGE/ARMORED BREACHER VEHICLE (ASI-D8 ONLY)
4 RECOVERY (ASI-H8 ONLY)
5 M1A2 SEP TASKS (ASI-K4 ONLY)
6 WOLVERINE (ASI-V2 ONLY)

Skill Level 3

7 COMMON LOGISTIC TASKS (SKILL LEVEL 3)
8 TECHNICAL TASKS (SKILL LEVEL 3)

Skill Level 4

9 COMMON LOGISTIC MANAGEMENT TASKS (SKILL LEVEL 4)

2-3. Duty Position Training Requirements.

2-4. Critical Tasks List.

MOS TRAINING PLAN
91A14

CRITICAL TASKS

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
Skill Level 1				
Subject Area 1. ADMINISTRATIVE TASKS (SKILL LEVEL 1/2)				
091-109-0001	Maintain Test, Measurement, and Diagnostic Equipment (TMDE)	AIT	SA	1/2
091-109-0002	Maintain Assigned Vehicles (PMCS)	AIT	DA	1/2
091-109-0003	Maintain Assigned Tool Kits	AIT	DA	1/2
091-109-0006	Maintain Equipment Inspection and Maintenance Worksheet (DA Form 2404) and (DA Form 5988-E)	AIT	SA	1/2
Subject Area 2. TECHNICAL TASKS (SKILL LEVEL 1/2)				
091-91A-0001	Correct Malfunction on the AGT 1500 Turbine Engine of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0002	Replace Reduction Gear Box Assembly of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0003	Replace Accessory Gear Box Assembly of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0005	Replace Bearing Seals on an AGT 1500 Turbine Engine on a M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0006	Replace Accessory Gear Box Seal Assembly of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0007	Maintain Reduction Gear Box Lubrication System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0008	Correct Malfunction on the Engine Lubricating System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0009	Correct Malfunction on the Electrical Mechanical Fuel Management System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0010	Correct Malfunction of the Air Induction System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0011	Correct Malfunction on the Cooling System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0012	Correct Malfunction of the Charging System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0013	Correct Malfunction on the Starting System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0014	Correct Malfunction on the Hull Electrical System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0015	Correct Malfunction on the Exterior Light System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0016	Correct Malfunction on the Transmission Assembly of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0017	Correct Malfunction on the Suspension System of the M1 Series Track Vehicle	AIT	QT	1/2

CRITICAL TASKS

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
091-91A-0018	Correct Malfunction on the Mechanical/Hydraulic Brake System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0019	Correct Malfunction on the Mechanical/Hydraulic Steering System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0021	Correct Malfunction on the Personnel Heater System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0022	Correct Malfunction on the Driver's Night Viewer Assembly of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0024	Correct Malfunction on the Ammunition Storage Systems of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0025	Correct Malfunction on the Hull Hydraulic System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0026	Correct Malfunction on the External Auxiliary Power Unit of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0027	Correct Malfunction on the Fire Suppression System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0028	Correct Malfunction of the Chemical Biological Radiological Nuclear (CBRN) Systems of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0029	Correct Malfunction on the Commander's Weapon Station System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0030	Correct Malfunction on the Coaxial Weapon System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0031	Correct Malfunction on the Fire Control System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0033	Correct Malfunction on the Traversing System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0034	Correct Malfunction on the Elevation System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0035	Correct Malfunction of Sighting Systems of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0036	Correct Malfunction on the Thermal Imaging System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0037	Correct Malfunction of the Main Weapon System of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0039	Correct Malfunction on the Turret Electrical Systems of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0040	Correct Malfunction of the Turret Hydraulics of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0041	Replace Traverse Motor Brake Assembly of the M1 Abrams Track Vehicle	AIT	QT	1/2
091-91A-0042	Replace Manual Drive Assembly of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0043	Replace Elevation Servo Assembly of the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0044	Perform Scheduled Services of the M1 Series Track Vehicle	AIT	QT	1/2

CRITICAL TASKS

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
091-91A-0046	Maintain the Hydraulic Accumulator Manual Elevation Drive Unit on the M1 Series Track Vehicle	AIT	QT	1/2
091-91A-0047	Maintain Main Gun King Nut Bearing on the M1 Series Track Vehicle	AIT	QT	1/2
Subject Area 3. JOINT ASSAULT BRIDGE/ARMORED BREACHER VEHICLE (ASI-D8 ONLY)				
091-ABV-1001	Perform Preventive Maintenance Checks and Services (PMCS) on the ABV	ASI	WK	1/2
091-ABV-1002	Maintain ABV Hull Electrical System	ASI	QT	1/2
091-ABV-1003	Maintain ABV Hull Hydraulic System	ASI	QT	1/2
091-ABV-1004	Troubleshoot High Lift Adapter (HLA)	ASI	QT	1/2
091-ABV-1005	Perform Hydraulic Pressure Check on Pressure Intensifier (PIU)	ASI	QT	1/2
091-ABV-1006	Troubleshoot Plow Power Distribution Unit (PPDU)	ASI	QT	1/2
091-ABV-1007	Perform Hydraulic Pressure Check on Hull 3-Base Manifold	ASI	QT	1/2
091-ABV-1008	Troubleshoot High Lift Adapter (HLA) Jettison Pins	ASI	QT	1/2
091-ABV-1009	Perform Hydraulic Pressure Check on Front End Equipment (FEE)	ASI	QT	1/2
091-ABV-1010	Maintain ABV Turret Hydraulic System	ASI	QT	1/2
091-ABV-1011	Maintain ABV Turret Electrical System	ASI	QT	1/2
091-ABV-1012	Troubleshoot Turret power Distribution Unit (TPDU)	ASI	QT	1/2
091-ABV-1013	Perform Hydraulic Pressure Check on Turret 3-Base Manifold	ASI	QT	1/2
091-ABV-1014	Maintain ABV Turret Traversing System	ASI	QT	1/2
091-ABV-1015	Maintain ABV Integrated Viewing System (IVS)	ASI	QT	1/2
091-ABV-1016	Maintain Linear Demolition Charge System (LDCS)	ASI	QT	1/2
091-ABV-1017	Maintain Lane Marking System (LMS)	ASI	QT	1/2
091-ABV-1018	Troubleshoot Lane Marking System Unit (LMSCU)	ASI	QT	1/2
091-ABV-1019	Maintain Lane Marking System (LMS) Compressor Assemblies	ASI	QT	1/2
091-JAB-1001	Perform Preventive Maintenance Checks and Services (PMCS) on the JAB and Bridge Launcher System	ASI	WK	1/2
091-JAB-1002	Utilize Embedded Diagnostic System to Maintain JAB	ASI	QT	1/2
091-JAB-1003	Maintain JAB Embedded Diagnostic System (EDS)	ASI	QT	1/2
091-JAB-1004	Troubleshoot Vehicle using Embedded Diagnostic (ED) System	ASI	QT	1/2
091-JAB-1005	Troubleshoot JAB Hull System	ASI	QT	1/2
091-JAB-1006	Maintain JAB Hull Electrical System	ASI	QT	1/2
091-JAB-1007	Maintain JAB Hull Hydraulic System	ASI	QT	1/2
091-JAB-1008	Maintain JAB Bridge Launcher System	ASI	QT	1/2
091-JAB-1009	Maintain JAB Hydraulic Bridge Launcher System	ASI	QT	1/2
091-JAB-1010	Maintain the JAB Turbine Hydraulic Pumping Unit (HPU) and Diesel Hydraulic PUMP (DHP)	ASI	QT	1/2
091-JAB-1011	Maintain the JAB Bridge and Bridge Launch System	ASI	QT	1/2

CRITICAL TASKS

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
091-JAB-1012	Maintain JAB Launcher Electrical System	ASI	QT	1/2
091-JAB-1013	Maintain JAB Visual Enhancement System	ASI	QT	1/2
Subject Area 4. RECOVERY (ASI-H8 ONLY)				
091-H8C-2001	Locate a Recovery Site	ASI/SD	SA	1/2
091-H8C-2002	Determine Recovery Methods	ASI/SD	SA	1/2
091-H8C-2003	Operate Tactical Communications Equipment	ASI/SD	SA	1/2
091-H8C-2004	Operate Metal Cutting Equipment	ASI/SD	SA	1/2
091-H8T-2001	Maintain Recovery Vehicle Weapons	ASI/SD	SA	1/2
091-H8T-2002	Complete Preventive Maintenance Checks and Services on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8T-2003	Use Basic Issue Items Related to Tracked Recovery Vehicle	ASI/SD	AN	1/2
091-H8T-2004	Drive Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8T-2005	Operate Auxiliary Power Unit	ASI/SD	SA	1/2
091-H8T-2006	Operate the Boom and Hoist Winch on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8T-2007	Operate the Spade on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8T-2008	Operate the Winches on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8T-2009	Recover a Mired Tracked Vehicle	ASI/SD	SA	1/2
091-H8T-2010	Recover an Overturned Tracked Vehicle	ASI/SD	SA	1/2
091-H8T-2011	Tow a Tracked Vehicle on Improved/Highway Surface	ASI/SD	SA	1/2
091-H8T-2012	Tow of a Tracked Vehicle Cross Country	ASI/SD	SA	1/2
091-H8T-2013	Complete Field Expedient Recovery on a Tracked Vehicle			
091-H8T-2014	Maintain Charging System on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8T-2015	Maintain Starting System on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8T-2016	Maintain Auxiliary Power Unit (APU) on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8T-2017	Maintain Brake System on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8T-2018	Maintain Nose Cone Assembly on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8T-2019	Maintain Micro Switches on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
091-H8T-2020	Perform Winch Ground Hop Procedures on a Tracked Recovery Vehicle	ASI/SD	SA	1/2
Subject Area 5. M1A2 SEP TASKS (ASI-K4 ONLY)				
091-AK4-0079	Perform Plumb and Synchronization Procedures	ASI	QT	1/2
091-AK4-0105	Maintain Hull Mission Processor Unit (HMPU)	ASI	QT	1/2
091-AK4-0106	Maintain Turret Mission Processor Unit (TMPU)	ASI	QT	1/2
091-AK4-0107	Maintain Commanders Display Unit (CDU)	ASI	QT	1/2
091-AK4-0108	Maintain Gunners Control Display Panel (GCDP)	ASI	QT	1/2
091-AK4-0109	Maintain Commanders Electronic Unit (CEU)	ASI	QT	1/2
091-AK4-0111	Maintain Commanders Independent Thermal Viewer/Electronics (CITV/EU)	ASI	QT	1/2

CRITICAL TASKS

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
091-AK4-0112	Maintain Commanders Independent Thermal Viewer (CITV)	ASI	QT	1/2
091-AK4-0114	Maintain Commanders Control Handle Assembly (CCHA)	ASI	QT	1/2
091-AK4-0115	Maintain Data/Utility Bus Couplers	ASI	QT	1/2
091-AK4-0116	Maintain Position/Navigation System (POS/NAV) Using Built In Test (BIT) and Fault Isolation Test (FIT)	ASI	QT	1/2
091-AK4-0117	Maintain Circuit Breaker System on the Soldier Machine Interface (SMI)	ASI	QT	1/2
091-AK4-0118	Maintain Second Generation Common Electronics Unit (SGCEU)	ASI	QT	1/2
091-AK4-0119	Maintain Hull Power Distribution Unit (HPDU)	ASI	QT	1/2
091-AK4-0120	Maintain Remote Switching Module (RSM)	ASI	QT	1/2
091-AK4-0121	Maintain Analog Input Module (AIM)	ASI	QT	1/2
091-AK4-0122	Maintain Turret Power Distribution System	ASI	QT	1/2
091-AK4-0123	Maintain Drivers Integrated Display (DID)	ASI	QT	1/2
091-AK4-0124	Maintain Global Positioning System (GPS)	ASI	QT	1/2
091-AK4-0125	Maintain Commander's Independent Thermal Viewer (CITV) Second Generation Servo Electronics Unit (SGSEU) (SEP)	ASI	QT	1/2
091-AK4-0126	Maintain Second Generation Thermal Receiver Unit (SGTRU)	ASI	QT	1/2
091-AK4-0127	Maintain Binocular Image Control Unit (BICU)	ASI	QT	1/2
091-AK4-0128	Maintain Vapor Compression System Unit (VCSU)	ASI	QT	1/2
091-AK4-0129	Maintain Air Handling Unit (AHU) Thermal Management System (TMS)	ASI	QT	1/2
091-AK4-0132	Maintain the Fire Suppression System	ASI	QT	1/2
091-AK4-0134	Maintain Fire Control Electronics Unit (FCEU)	ASI	QT	1/2
091-AK4-0135	Maintain Mass Memory Unit (MMU)	ASI	QT	1/2
091-AK4-0136	Operate the Maintenance Support Device (MSD)	ASI	QT	1/2
091-AK4-0137	Identify the M1A2 SEP Unique Components	ASI	QT	1/2
091-AK4-0138	Operate the Position/Navigation System (POS/NAV)	ASI	QT	1/2
091-AK4-0139	Operate the Second Generation Forward Looking Infrared (FLIR) System	ASI	QT	1/2
091-AK4-0140	Operate the Thermal Management System (TMS)	ASI	QT	1/2
091-AK4-0141	Maintain Commander's Independent Thermal Viewer (CITV) Sight Mode	ASI	QT	1/2
091-AK4-0142	Operate the Second Generation Thermal Imaging System (TIS)	ASI	QT	1/2
091-AK4-1043	Maintain the Commanders Weapon System	ASI	QT	1/2
Subject Area 6. WOLVERINE (ASI-V2 ONLY)				
091-WOL-0001	Perform PMCS on Wolverine Bridge Assembly	ASI	QT	1/2
091-WOL-0002	Commander's Station Familiarization	ASI	QT	1/2
091-WOL-0003	Launch Bridge Under Normal Operations	ASI	QT	1/2
091-WOL-0004	Troubleshoot Bridge Launch System	ASI	QT	1/2

CRITICAL TASKS

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
091-WOL-0005	Troubleshoot Launch Power Unit	ASI	QT	1/2
091-WOL-0006	Remove and Install Launch Power Unit	ASI	QT	1/2
091-WOL-0007	Ground Hop Launch Power Unit	ASI	QT	1/2
091-WOL-0008	Remove and Install Hydraulic Module	ASI	QT	1/2
091-WOL-0009	Remove and Install Charge Pump	ASI	QT	1/2
091-WOL-0010	Remove and Install Bridge Advance Unit (Drive)	ASI	QT	1/2
091-WOL-0011	Remove and Install Bridge Drive Manifold	ASI	QT	1/2
091-WOL-0012	Remove and Install Laying Army Hydraulic Cylinder	ASI	QT	1/2
091-WOL-0013	Remove and Install Improved Launcher Electronics Control Unit, (ILECU)	ASI	QT	1/2
Skill Level 3				
Subject Area 7. COMMON LOGISTIC TASKS (SKILL LEVEL 3)				
091-CLT-3001	Manage a Maintenance Facility Safety Program	ALC	AN	3
091-CLT-3002	Establish a Maintenance Facility Publications/Electronic Technical Manual Library	ALC	AN	3
091-CLT-3003	Establish Maintenance Facilities	ALC	AN	3
091-CLT-3004	Prepare a Maintenance Facility Standing Operating Procedure	ALC	AN	3
091-CLT-3005	Manage Tool Control Procedures	ALC	AN	3
091-CLT-3006	Manage Key Control Procedures	ALC	AN	3
091-CLT-3007	Manage the TMDE Calibration Program	ALC	AN	3
091-CLT-3009	Supervise Maintenance Operations	ALC	AN	3
091-CLT-3012	Manage Maintenance Information Systems Reports	ALC	AN	3
Subject Area 8. TECHNICAL TASKS (SKILL LEVEL 3)				
091-91A-3028	Perform Diagnostic Procedures on the AGT 1500 Turbine Engine of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3034	Perform Diagnostic Procedures on the Electrical Mechanical Fuel Management System of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3035	Perform Diagnostic Procedures on the Air Induction System of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3037	Perform Diagnostic Procedures on the Starting System of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3038	Perform Diagnostic Procedures on the Hull Electrical System of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3040	Perform Diagnostic Procedures on the Transmission Assembly of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3046	Perform Diagnostic Procedures on the Ready Ammo Door of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3047	Perform Diagnostic Procedures on the External Auxiliary Power Unit of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3048	Perform Diagnostic Procedures on the Fire Suppression System of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3049	Perform Diagnostic Procedures on the Chemical Biological	ALC	QT	3

CRITICAL TASKS

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	Radiological Nuclear Systems of the M1 Series Track Vehicle			
091-91A-3050	Perform Diagnostic Procedures on the Commander's Weapon Station of the M1 Track Vehicle	ALC	QT	3
091-91A-3052	Perform Diagnostic Procedures on the Fire Control System of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3053	Perform Diagnostic Procedures on the Sighting Systems of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3054	Perform Diagnostic Procedures on the Thermal Imaging System of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3055	Perform Diagnostic Procedures of the Turret Drive System of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3056	Performed Diagnostic Procedures of the Elevation System of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3058	Perform Diagnostic Procedures of the Main Weapon System of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3059	Perform Diagnostic Procedures of the Turret Electrical of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3060	Perform Diagnostic Procedures of the Turret Hydraulics of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3061	Perform Diagnostic Procedures of the Hull Hydraulic System of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3066	Perform Battlefield Damage Assessment and Repair of the M1 Series Track Vehicle	ALC	QT	3
091-91A-3068	Maintain the Turret Drive Angle Unit on a M1 Series Track Vehicle	ALC	QT	3
091-91A-3073	Repair the Turret Race Ring Assembly on the M1 Series Track Vehicle	ALC	QT	3
091-91A-3082	Repair Elevating Mechanism Assembly on the M1 Series Track Vehicle	ALC	QT	3
091-91A-3083	Replace Rod End Bearing, Plain on the M1 Series Track Vehicle	ALC	QT	3
091-91A-3085	Repair Gun Mount Assembly on the M1 Series Track Vehicle	ALC	QT	3
091-91A-3088	Repair Door Assembly, Ammunition on the M1 Series Track Vehicle	ALC	QT	3
091-91A-3090	Maintain the 120MM Gun Cannon on the M1 Series Track Vehicle	ALC	QT	3
091-91A-3092	Replace the Turret on the M1 Series Track Vehicle	ALC	QT	3
091-91A-3094	Replace the Main Gun Tube on the M1 Series Track Vehicle	ALC	QT	3
Skill Level 4				
Subject Area 9. COMMON LOGISTIC MANAGEMENT TASKS (SKILL LEVEL 4)				
091-CLT-4001	Perform Senior Rater Responsibilities for a Maintenance Section	SLC	AN	4
091-CLT-4002	Supervise Platoon/Section Administrative Procedures	SLC	AN	4

CRITICAL TASKS

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
091-CLT-4003	Manage Combat Stress	SLC	AN	4
091-CLT-4006	Coordinate Support for the Maintenance Platoon/Section	SLC	AN	4
091-CLT-4010	Integrate Automated Logistics Support Systems	SLC	AN	4
091-CLT-4011	Plan Logistics Support for Maintenance Operations	SLC	AN	4
091-CLT-4021	Prepare Standing Operating Procedures for Maintenance Operations	SLC	AN	4
091-CLT-4022	Supervise the Deployment of Company Maintenance Team/Recovery Support Team/Maintenance Support Team	SLC	AN	4
091-CLT-4023	Conduct a Route Reconnaissance for a Maintenance Mission	SLC	AN	4
091-CLT-4024	Conduct an Area Reconnaissance for a Maintenance Mission	SLC	AN	4
091-CLT-4025	Manage Battlefield Maintenance Support	SLC	AN	4
091-CLT-4026	Perform Support Operations NCO Duties	SLC	AN	4
091-CLT-4027	Manage Maintenance Operations at a Maintenance Collection Point	SLC	AN	4
091-CLT-4028	Provide Maintenance Support During Tactical Operations	SLC	AN	4

CHAPTER 3

MOS/Skill Level Tasks

Skill Level 1

Subject Area 1: ADMINISTRATIVE TASKS (SKILL LEVEL 1/2)

Maintain Test, Measurement, and Diagnostic Equipment (TMDE)
091-109-0001

Conditions: In a contemporary operational environment (COE) given applicable test, measurement, and diagnostic equipment (TMDE); Army regulation (AR) 750-43; Technical Bulletin (TB) 43-180; Technical Manual (TM) 9-6625-2301-14&P; TM 11-6625-3052-14; suitable tools; and suitable cleaning materials.

Standards: Maintain the TMDE in accordance with the applicable technical publications, procedures, and specifications. When this task was completed, the equipment was fully mission-capable, calibration date was current, and maintenance actions had been identified.

Performance Steps

1. Select and use applicable references.
2. Inspect TMDE for damage.
3. Test-operate TMDE to determine proper operation.
4. Check calibration date, if required.
5. Clean and/or lubricate TMDE, if required.
6. Store or package TMDE properly after maintenance or use.
7. Maintain the contact test set (CTS).
8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
9. Perform required preventive maintenance checks and services (PMCS).
10. Maintain tools and equipment.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable references.	____	____
2. Inspected TMDE for damage.	____	____
3. Tested-operated TMDE to determine proper operation.	____	____
4. Checked calibration date, if required.	____	____

Performance Measures	GO	NO-GO
5. Cleaned and/or lubricated TMDE, if required.	___	___
6. Stored or packaged TMDE properly after maintenance or use.	___	___
7. Maintained the CTS.	___	___
8. Completed The Army Maintenance Management System (TAMMS) forms, as required.	___	___
9. Performed required PMCS.	___	___
10. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 750-43	
TB 43-180	
TM 11-6625-3052-14	
TM 9-6625-2301-14&P	

Maintain Assigned Vehicles (PMCS)

091-109-0002

Conditions: In a contemporary operational environment (COE) given an assigned vehicle; repair parts; petroleum, oil, lubricants (POL) products, if needed; additional tools and equipment as indicated in the technical manuals (TMs); Department of the Army (DA) Pamphlet 750-8; DA Form 5988-E (Equipment Inspection Maintenance Worksheet); other applicable technical publications; other necessary forms; and supervision/assistance.

Standards: Maintain assigned vehicle preventive maintenance checks and services (PMCS) in accordance with the applicable technical publications, procedures, and specifications. When this task was completed, the vehicle was fully mission-capable or deficiencies/shortcomings were annotated and required maintenance actions to be performed by other than assigned vehicle operator had been identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and test, measurement, and diagnostic equipment (TMDE).
3. Practice shop safety and maintenance discipline.
4. Perform PMCS in accordance with TM.
5. Annotate actions taken on DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
6. Maintain tools and equipment.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	___	___
2. Selected and used applicable tools and TMDE.	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Performed PMCS in accordance with TM.	___	___
5. Annotated actions taken on DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	___	___
6. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	
DA PAM 750-8	

Maintain Assigned Tool Kits

091-109-0003

Conditions: In a contemporary operational environment (COE) given applicable tool kits, applicable references, Technical Manual (TM) 9-243, Department of the Army (DA) Form 5988-E (Equipment Inspection Maintenance Worksheet), cleaning materials, and solvents or lubricants.

Standards: Inspected and serviced the assigned tool kits in accordance with the applicable technical publications, procedures, and specifications. When this task was completed, assigned tools were in operable condition, tool kits or sets were complete, or section chief or supervisor were notified of shortages.

Performance Steps

1. Select and use applicable references.
2. Inspect tools for serviceability and accountability.
3. Practice shop safety and maintenance discipline.
4. Identify damaged items and notified supervisor.
5. Apply lubricants or preservatives, as needed.
6. Annotate corrective actions taken on DA Form 5988-E.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable references.	___	___
2. Inspected tools for serviceability and accountability.	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Identified damaged items and notified supervisor.	___	___
5. Applied lubricants or preservatives, as needed.	___	___
6. Annotated corrective actions taken on DA Form 5988-E.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	
TM 9-243	

Maintain Equipment Inspection and Maintenance Worksheet (DA Form 2404) and (DA Form 5988-E)

091-109-0006

Conditions: In a contemporary operational environment (COE) given required equipment, Department of the Army (DA) Form 2404 (Equipment Inspection and Maintenance Worksheet), DA Form 5988-E (Equipment Inspection and Maintenance Worksheet), and applicable references.

Standards: DA Form 2404 and DA Form 5988-E are inspected and maintained in accordance with DA Pamphlet 750-8 to ensure all required information had been correctly annotated.

Performance Steps

1. Perform administrative actions.
   a. Select and use applicable references.
   b. Practice shop safety and maintenance discipline.
2. Annotate deficiencies as required by technical manual and ensure all entries are complete, as required.
3. Ensure all safety precautions and procedures are followed.
4. Ensure all entries are reviewed and verified by supervisor.
5. Ensure proper disposition of forms.

Evaluation Preparation: Provide the Soldier with the equipment and or materials described in the condition statement.

WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Performed administrative actions. a. Selected and used applicable references. b. Practiced shop safety and maintenance discipline.	___	___
2. Annotated deficiencies as required by technical manual and ensured all entries are complete, as required.	___	___
3. Ensured all safety precautions and procedures are followed.	___	___
4. Ensured all entries were reviewed and verified by supervisor.	___	___
5. Ensured proper disposition of forms.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
AR 750-1	

References

Required	**Related**
DA FORM 2404	
DA FORM 5988-E	
DA PAM 750-3	
DA PAM 750-8	
TM 9-2350-314-10	

Subject Area 2: TECHNICAL TASKS (SKILL LEVEL 1/2)

Correct Malfunction on the AGT 1500 Turbine Engine of the M1 Series Track Vehicle
091-91A-0001

Conditions: In a contemporary operational environment (COE) given an M1A1 tank with basic issue items (BII); Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; TM 9-2385-255-34; Department of the Army (DA) Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Replace Reduction Gear Box Assembly of the M1 Series Track Vehicle"; repair parts; tool kit, multi-capable; maintainer; special tools; test, measurement, and diagnostic equipment (TMDE); equipment as indicated in TMs; and supervision/assistance.

Standards: Correct the malfunction of the AGT 1500 gas turbine engine in accordance with applicable technical publications. When the task is completed, the equipment or end item should be fully mission-capable.

Performance Steps

1. Perform administrative actions.
   a. Select and use applicable technical manuals.
   b. Select and use applicable tools and test measurement, and diagnostic equipment (TMDE).
   c. Practice shop safety and maintenance discipline.
2. Diagnose faults and determine maintenance action to be performed.
   a. Inspect gas turbine power plant/pack systems and components.
   b. Remove the power pack.
   c. Groundhop the power pack.
   d. Adjust IGV cable.
   e. Perform troubleshooting of the air induction system.
3. Ensure all safety precautions and procedures are followed.
4. Replace defective components, as necessary.
5. Perform final operational test to verify the faults have been corrected.
6. Complete The Army Maintenance Management System (TAMMS) forms, as required.

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable technical publications. a. Selected and used applicable technical manuals. b. Selected and used applicable tools and test measurement, and diagnostic equipment (TMDE). c. Practiced shop safety and maintenance discipline.	____	____
2. Selected and used applicable tools and TMDE.	____	____

Performance Measures	GO	NO-GO
a. Inspected gas turbine power plant/pack systems and components. b. Removed the power pack. c. Groundhopped the power pack. d. Adjusted IGV cable. e. Adjusted throttle control rotary variable differential transformer (RVDT).		
3. Ensured all safety precautions and procedures are followed.	___	___
4. Replaced defective components, as necessary.	___	___
5. Performed final operational test to verify the faults have been corrected.	___	___
6. Completed The Army Maintenance Management System (TAMMS) forms, as required.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	
TM 9-2835-255-34	

Replace Reduction Gear Box Assembly of the M1 Series Track Vehicle

091-91A-0002

Conditions: In a contemporary operational environment (COE) given an AGT 1500 power-pack and repair parts; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7 ; TM 9-2385-255-34; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Replace Reduction Gear Box Assembly of the M1 Series Track Vehicle"; and special tools.

Standards: Repair the reduction gear box in accordance with applicable TM procedures and specifications. When this task is completed, the equipment or end item is fully mission-capable or required maintenance actions performed by other than military occupational specialty (MOS) 91A Skill Level (SL) 1/2 personnel are identified.

Performance Steps

1. Select and use applicable publications.
2. Select and use correct tools and test, measurement and diagnostic equipment (TMDE).
3. Follow prescribed safety procedures.
4. Practice maintenance discipline.
5. Remove reduction gear box from rear engine module.
6. Inspect reduction gear box and seals.
7. Install reduction gear box.
8. Verify fault is corrected.

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable publications.	____	____
2. Selected and used correct tools and test, measurement and diagnostic equipment (TMDE).	____	____
3. Followed prescribed safety procedures.	____	____
4. Practiced maintenance discipline.	____	____
5. Removed reduction gear box from rear engine module.	____	____
6. Inspected reduction gear box and seals.	____	____
7. Installed reduction gear box.	____	____
8. Verified fault was corrected.	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	
TM 9-2835-255-34	

Replace Accessory Gear Box Assembly of the M1 Series Track Vehicle

091-91A-0003

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Replace the Accessory Gear Box on the AGT 1500"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7 ; TM 9-2835-255-34; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Replace the accessory gear box in accordance with applicable TM procedures and specifications. When this task is completed, the equipment or end item is fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Select and use applicable publications.
2. Select and use correct tools and TMDE.
3. Follow prescribed safety procedures.
4. Practice maintenance discipline.
5. Remove accessory gear box assembly from forward module.
6. Inspect accessory gear box assembly and seals.
7. Install accessory gear box assembly.
8. Verify fault is corrected.

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable publications.	____	____
2. Selected and used correct tools and TMDE.	____	____
3. Followed prescribed safety procedures.	____	____
4. Practiced maintenance discipline.	____	____
5. Removed accessory gear box assembly from forward module.	____	____
6. Inspected accessory gear box assembly and seals.	____	____
7. Installed accessory gear box assembly.	____	____

Performance Measures	GO	NO-GO
8. Verified fault is corrected.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	
TM 9-2835-255-34	

Replace Bearing Seals on an AGT 1500 Turbine Engine on a M1 Series Track Vehicle
091-91A-0005

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; Department of the Army (DA) Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Replace Bearing Seals on the AGT 1500"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; TM 9-2835-255-34; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Replace the Bearing Seals on an AGT 1500 Engine in accordance with applicable TM procedures and specifications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable TMs.
5. Select and use correct tools and TMDE.
6. Remove and replace components in accordance with TMs.
7. Inspect equipment and components in accordance with TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault has been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable TMs.	___	___

Performance Measures	GO	NO-GO
5. Selected and used correct tools and TMDE.	___	___
6. Removed and replaced components in accordance with TMs.	___	___
7. Inspected equipment and components in accordance with TMs.	___	___
8. Performed all final checks to verify part was replaced to specifications.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	
TM 9-2835-255-34	

Replace Accessory Gear Box Seal Assembly of the M1 Series Track Vehicle

091-91A-0006

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Replace Accessory Gear Box Seal Assembly of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; TM 9-2835-255-34; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Replace the accessory gear box seal assembly in accordance with applicable TM procedures and specifications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline
3. Verify fault on DA Form 5988-E/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable TMs.
5. Select and use correct tools and TMDE.
6. Removed and replaced components in accordance with TMs.
7. Inspected equipment and components in accordance with TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault had been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___

Performance Measures	GO	NO-GO
4. Selected and used applicable TMs.	___	___
5. Selected and used correct tools and TMDE.	___	___
6. Removed and replaced components in accordance with TMs.	___	___
7. Inspected equipment and components in accordance with TMs.	___	___
8. Performed all final checks to verify part was replaced to specifications.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	
TM 9-2835-255-34	

Maintain Reduction Gear Box Lubrication System of the M1 Series Track Vehicle

091-91A-0007

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Maintain Reduction Gear Box Lubrication System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; TM 9-2835-255-34; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Clean Reduction Gear Box Lubrication System in accordance with applicable TM procedures and specifications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable TMs.
5. Select and use correct tools and TMDE.
6. Clean and lubricate components in accordance with publications and TMs.
7. Perform all final checks to verify part is replaced to specifications.
8. Verify fault has been corrected.
9. Maintain tools and equipment to prevent damage.
10. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable TMs.	___	___

Performance Measures	GO	NO-GO
5. Selected and used correct tools/TMDE.	___	___
6. Cleaned and lubricated components in accordance with publications and TMs.	___	___
7. Performed all final checks to verify part is replaced to specifications.	___	___
8. Verified fault had been corrected.	___	___
9. Maintained tools and equipment to prevent damage.	___	___
10. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	
TM 9-2835-255-34	

Correct Malfunction on the Engine Lubricating System of the M1 Series Track Vehicle

091-91A-0008

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Engine Lubricating System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; TM 9-2835-255-34; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction on the Engine Lubricating System in accordance with applicable TM procedures and specifications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable TMs.
5. Select and use correct tools and TMDE.
6. Diagnose Engine Lubricating System and determine maintenance action to be performed.
7. Perform all final checks to verify part is replaced to specifications.
8. Verify fault has been corrected.
9. Maintain tools and equipment to prevent damage.
10. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable TMs.	___	___

Performance Measures	GO	NO-GO
5. Selected and used correct tools and TMDE.	___	___
6. Diagnosed Engine Lubricating System and determined maintenance action to be performed.	___	___
7. Performed all final checks to verify part was replaced to specifications.	___	___
8. Verified fault had been corrected.	___	___
9. Maintained tools and equipment to prevent damage.	___	___
10. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	
TM 9-2835-255-34	

Correct Malfunction on the Electrical Mechanical Fuel Management System of the M1 Series Track Vehicle

091-91A-0009

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Electrical Mechanical Fuel Management System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Corrected the malfunctions of the Electrical Mechanical Fuel Management System in accordance with performance measures and applicable technical publications and returned the M1 series vehicle to fully mission-capable status.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable TMs.
5. Select and use correct tools and TMDE.
6. Diagnose the Electrical Mechanical Fuel Management System and determine maintenance action to be performed.
7. Verify fault has been corrected.
8. Maintain tools and equipment to prevent damage.
9. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable TMs.	___	___

Performance Measures	GO	NO-GO
5. Selected and used correct tools and TMDE.	___	___
6. Diagnosed the Electrical Mechanical Fuel Management System and determined maintenance action to be performed.	___	___
7. Verified fault had been corrected.	___	___
8. Maintained tools and equipment to prevent damage.	___	___
9. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	
TM 9-2835-255-34	

Correct Malfunction of the Air Induction System of the M1 Series Track Vehicle

091-91A-0010

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction of the Air Induction System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Corrected the malfunctions of the of the Air Induction System in accordance with performance measures and applicable technical publications and returned the M1 series vehicle to fully mission-capable status.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable TMs.
5. Select and use correct tools and TMDE.
6. Diagnose the Air Induction System and determine maintenance action to be performed.
7. Perform all final checks to verify part is replaced to specifications.
8. Verify fault has been corrected.
9. Maintain tools and equipment to prevent damage.
10. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 5988-E/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	____	____
4. Selected and used applicable TMs.	____	____
5. Selected and used correct tools and TMDE.	____	____

Performance Measures	GO	NO-GO
6. Diagnosed the Air Induction System and determined maintenance action to be performed.	___	___
7. Performed all final checks to verify part is replaced to specifications.	___	___
8. Verified fault had been corrected.	___	___
9. Maintained tools and equipment to prevent damage.	___	___
10. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	
TM 9-2835-255-34	

Correct Malfunction on the Cooling System of the M1 Series Track Vehicle

091-91A-0011

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Cooling System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Corrected the malfunctions on the cooling system in accordance with performance measures and applicable technical publications and returned the M1 series vehicle to fully mission-capable status.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable TMs.
5. Select and use correct tools and TMDE.
6. Diagnose the cooling system and determine maintenance action to be performed.
7. Perform all final checks to verify part is replaced to specifications.
8. Verify fault has been corrected.
9. Maintain tools and equipment to prevent damage.
10. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable TMs.	___	___
5. Selected and used correct tools and TMDE.	___	___

Performance Measures	GO	NO-GO
6. Diagnosed the cooling system and determined maintenance action to be performed.	___	___
7. Performed all final checks to verify part was replaced to specifications.	___	___
8. Verified fault had been corrected.	___	___
9. Maintained tools and equipment to prevent damage.	___	___
10. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	
TM 9-2835-255-34	

Correct Malfunction of the Charging System of the M1 Series Track Vehicle

091-91A-0012

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction of the Charging System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction of vehicle charging system in accordance with applicable technical publications. When the task is completed the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel will be identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect vehicle charging system and components.
5. Diagnose fault(s) by troubleshooting the vehicle charging system.
6. Determine maintenance action to be performed.
7. Adjust and replace vehicle charging system and components.
8. Perform final operational test to verify that vehicle charging system malfunction is corrected to specification.
9. Annotate corrective actions taken on the DA Form 5988-E.
10. Maintain tools and equipment.

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	____	____
2. Selected and used applicable tools and TMDE.	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Inspected vehicle charging system and components.	____	____
5. Diagnosed fault(s) by troubleshooting the vehicle charging system.	____	____

Performance Measures	GO	NO-GO
6. Determined maintenance action to be performed.	___	___
7. Adjusted and replaced vehicle charging system and components.	___	___
8. Performed final operational test to verify that vehicle charging system malfunction was corrected to specification.	___	___
9. Annotated corrective actions taken on the DA Form 5988-E.	___	___
10. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	
TM 9-2835-255-34	

Correct Malfunction on the Starting System of the M1 Series Track Vehicle

091-91A-0013

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Starting System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Corrected the malfunctions of the starting system in accordance with performance measures and applicable technical publications and returned the M1 series vehicle to fully mission-capable status.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect vehicle starting system and components.
5. Diagnose vehicle starting system fault(s) by troubleshooting the starting system and air induction system.
6. Determine maintenance action to be performed.
7. Adjust and/or replace vehicle starting system and components.
8. Perform a final operational test to verify that the vehicle starting system malfunction is corrected to specification.
9. Annotate corrective actions taken on the DA Form 5988-E.
10. Maintain tools and equipment.

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	___	___
2. Selected and used applicable tools and TMDE.	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Inspected vehicle starting system and components.	___	___
5. Diagnosed vehicle starting system fault(s) by troubleshooting the starting system and air induction system.	___	___

Performance Measures	GO	NO-GO
6. Determined maintenance action to be performed.	___	___
7. Adjusted and/or replaced vehicle starting system and components.	___	___
8. Performed a final operational test to verify that the vehicle starting system malfunction was corrected to specification.	___	___
9. Annotated corrective actions taken on the DA Form 5988-E.	___	___
10. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	
TM 9-2835-255-34	

Correct Malfunction on the Hull Electrical System of the M1 Series Track Vehicle

091-91A-0014

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Hull Electrical System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction of the Hull Electrical System in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission- capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect track hull electrical systems and components.
5. Diagnose track hull electrical system fault(s) by troubleshooting tank power distribution.
6. Replace the hull power distribution box.
7. Perform a final operational test to verify that the track hull electrical system malfunction is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E.
9. Maintain tools and equipment.

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	___	___
2. Selected and used applicable tools and TMDE.	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Inspected track hull electrical systems and components.	___	___
5. Diagnosed track hull electrical systems fault(s) by troubleshooting tank power distribution.	___	___

Performance Measures	GO	NO-GO
6. Replaced the hull power distribution box.	___	___
7. Performed a final operational test to verify that the track hull electrical system malfunction was corrected to specification.	___	___
8. Annotated corrective actions taken on the DA Form 5988-E.	___	___
9. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	
TM 9-2835-255-34	

Correct Malfunction on the Exterior Light System of the M1 Series Track Vehicle
091-91A-0015

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Exterior Light System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Corrected the malfunctions of the Exterior Light System in accordance with performance measures and applicable technical publications and returned the M1 series vehicle to fully mission-capable status.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect vehicle charging system and components.
5. Diagnose fault(s) by troubleshooting the exterior light system.
6. Determine maintenance action to be performed.
7. Adjust and replace exterior light system components.
8. Perform final operational test to verify that exterior light system malfunction is corrected to specification.
9. Annotate corrective actions taken on the DA Form 5988-E.
10. Maintain tools and equipment.

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	____	____
2. Selected and used applicable tools and TMDE.	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Inspected vehicle charging system and components.	____	____
5. Diagnosed fault(s) by troubleshooting the exterior light system.	____	____
6. Determined maintenance action to be performed.	____	____

Performance Measures	GO	NO-GO
7. Adjusted and replaced exterior light system components.	___	___
8. Performed final operational test to verify that exterior light system malfunction was corrected to specification.	___	___
9. Annotated corrective actions taken on the DA Form 5988-E.	___	___
10. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-243
TM 9-2350-388-10-3	TM 9-8000
TM 9-2350-388-23-1-1	
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	

Correct Malfunction on the Transmission Assembly of the M1 Series Track Vehicle

091-91A-0016

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Transmission Assembly of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction of transmission assemblies in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect cross drive transmission assemblies.
5. Diagnose cross drive transmission assembly fault(s) by troubleshooting the transmission shift subsystem.
6. Determine maintenance action to be performed:
   a. Replace 24-volt solenoid.
   b. Replace modulator directional linear valve.
   c. Replace forward/reverse directional linear valve body.
7. Perform a final operational test to verify that the cross drive transmission assembly's malfunction is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E.
9. Maintain tools and equipment.

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	___	___
2. Selected and used applicable tools and TMDE.	___	___
3. Practiced shop safety and maintenance discipline.	___	___

Performance Measures	GO	NO-GO
4. Inspected cross drive transmission assemblies.	___	___
5. Diagnosed cross drive transmission assembly fault(s) by troubleshooting the transmission shift subsystem.	___	___
6. Determined maintenance action to be performed: a. Replaced 24-volt solenoid. b. Replaced modulator directional linear valve. c. Replaced forward/reverse directional linear valve body.	___	___
7. Performed a final operational test to verify that the cross drive transmission assembly's malfunction was corrected to specification.	___	___
8. Annotated corrective actions taken on the DA Form 5988-E.	___	___
9. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-243
TM 9-2350-388-10-3	TM 9-8000
TM 9-2350-388-23-1-1	
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	

Correct Malfunction on the Suspension System of the M1 Series Track Vehicle

091-91A-0017

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Suspension System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Corrected the malfunctions of the Suspension System in accordance with performance measures and applicable technical publications. When the task is completed, the equipment or end item is fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect track vehicle suspension systems and components.
5. Diagnose track vehicle suspension system fault(s).
6. Determine maintenance action to be performed:
   a. Replace shock absorber housing assembly.
   b. Replace idler wheel hub.
   c. Replace compensating idler arm upper-spindle-sleeve bearings.
7. Perform a final operational test to verify that the track vehicle suspension systems malfunction(s) is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E.
9. Maintain tools and equipment.

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	____	____
2. Selected and used applicable tools and TMDE.	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Inspected track vehicle suspension systems and components.	____	____

Performance Measures	GO	NO-GO
5. Diagnosed track vehicle suspension system fault(s).	___	___
6. Determined maintenance action to be performed: a. Replaced shock absorber housing assembly. b. Replaced idler wheel hub. c. Replaced compensating idler arm upper-spindle-sleeve bearings.	___	___
7. Performed a final operational test to verify that the track vehicle suspension systems malfunction(s) was corrected to specification.	___	___
8. Annotated corrective actions taken on the DA Form 5988-E.	___	___
9. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	

Correct Malfunction on the Mechanical/Hydraulic Brake System of the M1 Series Track Vehicle

091-91A-0018

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Mechanical/Hydraulic Brake System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction of mechanical/hydraulic brake systems in accordance with applicable technical publications. When the task is completed, the equipment or end item was fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect mechanical/hydraulic brake systems and components.
5. Diagnose mechanical/hydraulic brake systems fault(s) and determine maintenance action to be performed.
6. Adjust and/or replace mechanical/hydraulic brake systems and components.
7. Perform a final operational test to verify that the mechanical/hydraulic brake systems malfunction is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E.
9. Maintain tools and equipment.

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	___	___
2. Selected and used applicable tools and TMDE.	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Inspected mechanical/hydraulic brake systems and components.	___	___
5. Diagnosed mechanical/hydraulic brake systems fault(s) and determined maintenance action to be performed.	___	___

Performance Measures	GO	NO-GO
6. Adjusted and/or replaced mechanical/hydraulic brake systems and components.	___	___
7. Performed a final operational test to verify that the mechanical/hydraulic brake systems malfunction was corrected to specification.	___	___
8. Annotated corrective actions taken on the DA Form 5988-E.	___	___
9. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	

Correct Malfunction on the Mechanical/Hydraulic Steering System of the M1 Series Track Vehicle 091-91A-0019

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Mechanical/Hydraulic Steering System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Corrected the malfunctions of the Mechanical/Hydraulic Steering System accordance with performance measures and applicable technical publications and returned the M109 series vehicle to fully mission-capable status.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect mechanical/hydraulic steering systems and components.
5. Diagnose mechanical/hydraulic steering systems fault(s) and determine maintenance action to be performed.
6. Adjust and/or replace mechanical/hydraulic steering systems and components.
7. Perform a final operational test to verify that the mechanical/hydraulic steering systems malfunction is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E.
9. Maintain tools and equipment.

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	____	____
2. Selected and used applicable tools and TMDE.	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Inspected mechanical/hydraulic steering systems and components.	____	____
5. Diagnosed mechanical/hydraulic steering systems fault(s) and determined maintenance action to be performed.	____	____
6. Adjusted and/or replaced mechanical/hydraulic steering systems and components.	____	____

Performance Measures	GO	NO-GO
7. Performed a final operational test to verify that the mechanical/hydraulic steering systems malfunction was corrected to specification.	___	___
8. Annotated corrective actions taken on the DA Form 5988-E.	___	___
9. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	

Correct Malfunction on the Personnel Heater System of the M1 Series Track Vehicle

091-91A-0021

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Personnel Heater System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Corrected the malfunctions of the Personnel Heater System in accordance with performance measures and applicable technical publications and returned the M109 series vehicle to fully mission-capable status.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Describe how systems and components operate and function.
5. Inspect heater fuel system and components.
6. Perform troubleshooting procedures on fuel system and components.
7. Replace defective fuel component.
8. Replace heater assembly.
9. Perform required preventive maintenance checks and services (PMCS).
10. Perform a final operational test to verify fault(s) have been corrected.
11. Annotate corrective actions taken on the DA Form 5988-E.
12. Maintain tools and equipment.

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	____	____
2. Selected and used applicable tools and TMDE.	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Described how systems and components operate and function.	____	____

Performance Measures	GO	NO-GO
5. Inspected heater fuel system and components.	___	___
6. Performed troubleshooting procedures on fuel system and components.	___	___
7. Replaced defective fuel component.	___	___
8. Replaced heater assembly.	___	___
9. Performed required preventive maintenance checks and services (PMCS).	___	___
10. Performed a final operational test to verify fault(s) have been corrected.	___	___
11. Annotated corrective actions taken on the DA Form 5988-E.	___	___
12. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	

Correct Malfunction on the Driver's Night Viewer Assembly of the M1 Series Track Vehicle

091-91A-0022

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Driver's Night Viewer Assembly of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Corrected the malfunctions of the driver's night viewer assembly in accordance with performance measures and applicable technical publications and returned the M1 series vehicle to fully mission-capable status.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect driver's night vision viewer electrical systems and components.
5. Diagnose driver's night vision viewer electrical systems fault(s) by troubleshooting.
6. Replace the driver's night vision viewer.
7. Perform a final operational test to verify that the driver's night vision viewer malfunction is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E.
9. Maintain tools and equipment.

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	____	____
2. Selected and used applicable tools and TMDE.	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Inspected driver's night vision viewer electrical systems and components.	____	____
5. Diagnosed driver's night vision viewer electrical systems fault(s) by troubleshooting.	____	____
6. Replaced the driver's night vision viewer.	____	____

Performance Measures	GO	NO-GO
7. Performed a final operational test to verify that the driver's night vision viewer malfunction was corrected to specification.	___	___
8. Annotated corrective actions taken on the DA Form 5988-E.	___	___
9. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	

Correct Malfunction on the Ammunition Storage Systems of the M1 Series Track Vehicle

091-91A-0024

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Ammunition Storage Systems of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-2-1; TM 9-2350-388-23-2-2; TM 9-2350-388-23-2-3; TM 9-2350-388-23-2-4; TM 9-2350-388-23-2-5; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Corrected the malfunctions of the ammunition storage systems in accordance with performance measures and applicable technical publications and returned the M1 series vehicle to fully mission-capable status.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable TMs.
5. Select and use correct tools and TMDE.
6. Diagnose malfunction annotated on DA Form 5988-E/DA Form 2404.
7. Remove and replace components in accordance with TMs.
8. Correct malfunction in accordance with publications and TMs.
9. Perform all final checks to verify parts are replaced to specifications.
10. Verify fault has been corrected.
11. Maintain tools and equipment to prevent damage.
12. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___

Performance Measures	GO	NO-GO
4. Selected and used applicable TMs.	___	___
5. Selected and used correct tools and TMDE.	___	___
6. Diagnosed malfunction annotated on DA Form 5988-E/DA Form 2404.	___	___
7. Removed and replaced components in accordance with TMs.	___	___
8. Corrected malfunction in accordance with publications and TMs.	___	___
9. Performed all final checks to verify parts were replaced to specifications.	___	___
10. Verified fault had been corrected.	___	___
11. Maintained tools and equipment to prevent damage.	___	___
12. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required
DA FORM 2404
DA FORM 5988-E
TM 9-2350-388-10-1
TM 9-2350-388-10-2
TM 9-2350-388-10-3
TM 9-2350-388-23-2-1
TM 9-2350-388-23-2-2
TM 9-2350-388-23-2-3
TM 9-2350-388-23-2-4
TM 9-2350-388-23-2-5

Related
TM 9-2350-388-24P-2

Correct Malfunction on the Hull Hydraulic System of the M1 Series Track Vehicle

091-91A-0025

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Hull Hydraulic System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction of hydraulic systems in accordance with applicable TM. When this task is completed, the equipment or end item was fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect hydraulic system components.
5. Replace hydraulic pump.
6. Replace hydraulic filters.
7. Bleed air from hydraulic system.
8. Perform a final operational test to verify hydraulic systems malfunction is corrected to specification.
9. Replace and charge main hydraulic accumulator.
10. Annotate corrective actions taken on DA Form 5988-E.
11. Maintain tools and equipment.

Evaluation Preparation: WARNING: Adhere to the following safety precautions when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	____	____
2. Selected and used applicable tools and TMDE.	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Inspected hydraulic system components.	____	____
5. Replaced hydraulic pump.	____	____

Performance Measures	GO	NO-GO
6. Replaced hydraulic filters.	___	___
7. Bled air from hydraulic system.	___	___
8. Performed a final operational test to verify hydraulic systems malfunction was corrected to specification.	___	___
9. Replaced and charged main hydraulic accumulator.	___	___
10. Annotated corrective actions taken on DA Form 5988-E.	___	___
11. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	
TM 9-2835-255-34	

Correct Malfunction on the External Auxiliary Power Unit of the M1 Series Track Vehicle
091-91A-0026

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the External Auxiliary Power Unit of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; TM 9-6115-542-24&P; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Corrected the malfunctions of the External Auxiliary Power Unit (EAPU) in accordance with performance measures and applicable technical publications. When this task is completed, the equipment or end item was fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect EAPU systems and components.
5. Diagnose EAPU fault(s) by troubleshooting applicable system on the M1A1 tank EAPU.
6. Determine maintenance action to be performed:
   a. Disassemble EAPU.
   b. Adjust and/or replace EAPU components.
   c. Reassemble EAPU.
7. Perform a final operational test to verify that the EAPU malfunction is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E.
9. Maintain tools and equipment.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	____	____
2. Selected and used applicable tools and TMDE.	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Inspected EAPU systems and components.	____	____

Performance Measures	GO	NO-GO
5. Diagnosed APU fault(s) by troubleshooting applicable system on M1A1 tank EAPU.	___	___
6. Determined maintenance action to be performed: a. Disassembled EAPU. b. Adjusted and/or replaced EAPU components. c. Reassembled EAPU.	___	___
7. Performed a final operational test to verify that the EAPU malfunction is corrected to specification.	___	___
8. Annotated corrective actions taken on the DA Form 5988-E.	___	___
9. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	TM 9-6115-542-24&P
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	
TM 9-2835-255-34	

Correct Malfunction on the Fire Suppression System of the M1 Series Track Vehicle
091-91A-0027

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Fire Suppression System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction of fire extinguisher/suppression systems in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect fire extinguisher/suppression systems and components.
5. Diagnose fire extinguisher/suppression systems fault(s) by troubleshooting the crew fire extinguisher/suppression system.
6. Replace crew compartment valve and bottle assembly.
7. Perform a final operational test to verify that the fire extinguisher/suppression systems malfunction is corrected to specification.
8. Annotate corrective actions taken on the DA Form 5988-E.
9. Maintain tools and equipment.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	____	____
2. Selected and used applicable tools and TMDE.	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Inspected fire extinguisher/suppression systems and components.	____	____
5. Diagnosed fire extinguisher/suppression systems fault(s) by troubleshooting the crew fire extinguisher/suppression system.	____	____

Performance Measures	GO	NO-GO
6. Replaced crew compartment valve and bottle assembly.	___	___
7. Performed a final operational test to verify that the fire extinguisher/suppression systems malfunction is corrected to specification.	___	___
8. Annotated corrective actions taken on the DA Form 5988-E.	___	___
9. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	TM 9-6115-542-24&P
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	
TM 9-2835-255-34	

Correct Malfunction of the Chemical Biological Radiological Nuclear (CBRN) Systems of the M1 Series Track Vehicle

091-91A-0028

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction of the Chemical Biological Radiological Nuclear (CBRN) Systems of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction of the CBRN in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level.) When this task is completed, the vehicle or equipment is fully-mission capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Describe how systems and components operate and function.
5. Inspect CBRN systems and components.
6. Troubleshoot main CBRN temp controller system and components.
7. Replace prioritization valve.
8. Repair defective CBRN hoses.
9. Adjust CBRN components.
10. Perform required preventive maintenance checks and services (PMCS).
11. Perform a final operational test to verify fault is corrected.
12. Annotate corrective actions taken on the DA Form 5988-E.
13. Maintain tools and equipment.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable technical publications.	____	____

Performance Measures	GO	NO-GO
2. Selected and used applicable tools and TMDE.	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Described how systems and components operate and function.	___	___
5. Inspected CBRN systems and components.	___	___
6. Troubleshoot main CBRN temp controller system and components.	___	___
7. Replaced prioritization valve.	___	___
8. Repaired defective CBRN hoses.	___	___
9. Adjusted CBRN components.	___	___
10. Performed required preventive maintenance checks and services (PMCS).	___	___
11. Performed a final operational test to verify fault is corrected.	___	___
12. Annotated corrective actions taken on the DA Form 5988-E.	___	___
13. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2835-255-34P
TM 9-2350-388-10-3	TM 9-243
TM 9-2350-388-23-1-1	TM 9-8000
TM 9-2350-388-23-1-2	TM 9-6115-542-24&P
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-388-23-1-6	
TM 9-2350-388-23-1-7	
TM 9-2835-255-34	

Correct Malfunction on the Commander's Weapon Station System of the M1 Series Track Vehicle

091-91A-0029

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Commander's Weapon Station System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-2-1; TM 9-2350-388-23-2-2; TM 9-2350-388-23-2-3; TM 9-2350-388-23-2-4; TM 9-2350-388-23-2-5; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Maintain the cupola/commander's weapon station/hatch assembly and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level.) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Review work request.
2. Perform initial inspection.
3. Determine maintenance action to be performed.
4. Ensure proper tools were available.
5. Identify and requisition repair parts, if required.
   a. Azimuth drive system.
   b. Firing circuit.
6. Ensure The Army Maintenance Management System (TAMMS) procedures are followed.
7. Determine maintenance action to be performed.
8. Ensure applicable publications are available.
9. Ensure all safety precautions are followed.
10. Provide assistance, if necessary.
11. Ensure task is performed to acceptable standards.
12. Perform a final inspection.
13. Critique personnel on performance of task.
14. Ensure tools and equipment are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Reviewed work request.	___	___
2. Performed initial inspection.	___	___
3. Determined maintenance action to be performed.	___	___
4. Ensured proper tools were available.	___	___
5. Identified and requisitioned repair parts, if required. a. Azimuth drive system. b. Firing circuit.	___	___
6. Ensured The Army Maintenance Management System (TAMMS) procedures were followed.	___	___
7. Determined maintenance action to be performed.	___	___
8. Ensured applicable publications were available.	___	___
9. Ensured all safety precautions were followed.	___	___
10. Provided assistance, if necessary.	___	___
11. Ensured task is performed to acceptable standards.	___	___
12. Performed a final inspection.	___	___
13. Critiqued personnel on performance of task.	___	___
14. Ensured tools and equipment were properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 2404	TM 9-2350-388-24P-2
DA FORM 5988-E	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	
TM 9-2350-388-10-3	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-388-23-2-5	

Correct Malfunction on the Coaxial Weapon System of the M1 Series Track Vehicle

091-91A-0030

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Coaxial Weapon System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-2-1; TM 9-2350-388-23-2-2; TM 9-2350-388-23-2-3; TM 9-2350-388-23-2-4; TM 9-2350-388-23-2-5; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: The M1A1 rear coaxial ammo box must be maintained and its components replaced or repaired in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level.) When this task is completed, the vehicle or equipment must be fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel must be identified.

Performance Steps

1. Select and use applicable publications.
2. Select and use proper tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Describe how systems and components operate and function.
5. Inspect firing solenoids.
6. Troubleshoot firing solenoids and gunners control handles.
7. Replace firing solenoids.
8. Repair defective component(s).
9. Adjust systems and components.
10. Perform required preventive maintenance checks and services (PMCS).
11. Verify fault has been corrected.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable publications.	____	____
2. Selected and used proper tools and TMDE.	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Described how systems and components operated and functioned.	____	____

Performance Measures	GO	NO-GO
5. Inspected firing solenoids.	___	___
6. Troubleshoot firing solenoids and gunners control handles.	___	___
7. Replaced firing solenoids.	___	___
8. Repaired defective component(s).	___	___
9. Adjusted systems and components.	___	___
10. Performed required preventive maintenance checks and services (PMCS).	___	___
11. Verified fault has been corrected.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 2404	TM 9-2350-388-24P-2
DA FORM 5988-E	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	
TM 9-2350-388-10-3	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-388-23-2-5	

Correct Malfunction on the Fire Control System of the M1 Series Track Vehicle

091-91A-0031

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Fire Control System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-2-1; TM 9-2350-388-23-2-2; TM 9-2350-388-23-2-3; TM 9-2350-388-23-2-4; TM 9-2350-388-23-2-5; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction of sighting and fire control systems in accordance with applicable TM. When this task is completed, the equipment or end item is fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Inspect sighting and fire control system.
4. Run computer self-test.
5. Replace Gun Turret Drive Unit.
6. Replace Computer Electronics Unit.
7. Replace Line of Sight Unit.
8. Perform a final operational test to verify sighting and fire control systems malfunction is correct to specification.
9. Annotate corrective actions taken on the DA Form 5988-E.
10. Maintain tools and equipment.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	____	____
2. Selected and used applicable tools and TMDE.	____	____
3. Inspected sighting and fire control system.	____	____
4. Ran computer self-test.	____	____
5. Replaced Gun Turret Drive Unit.	____	____

Performance Measures	GO	NO-GO
6. Replaced Computer Electronics Unit.	___	___
7. Replaced Line of Sight Unit.	___	___
8. Performed a final operational test to verify sighting and fire control systems malfunction is correct to specification.	___	___
9. Annotated corrective actions taken on the DA Form 5988-E.	___	___
10. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 2404	TM 9-2350-388-24P-2
DA FORM 5988-E	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	
TM 9-2350-388-10-3	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-388-23-2-5	

Correct Malfunction on the Traversing System of the M1 Series Track Vehicle

091-91A-0033

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Traversing System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-2-1; TM 9-2350-388-23-2-2; TM 9-2350-388-23-2-3; TM 9-2350-388-23-2-4; TM 9-2350-388-23-2-5; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction of traversing systems in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect the traversing system component(s).
5. Replace hydraulic turret valve.
   a. Torque turret valve to specification.
   b. Lock in place all four electrical connectors.
   c. Tighten all hydraulic hoses and tubes a half turn past the point of firm resistance.
6. Bleed air from hydraulic system.
7. Maintain gunner's control grip assembly.
   a. Adjust emergency mode.
   b. Adjust normal mode.
8. Perform troubleshooting malfunction of auxiliary hydraulic subsystem.
9. Perform troubleshooting fault of gun azimuth (traverse) subsystem.
10. Replace and charge main hydraulic accumulator.
11. Replace and charge manual hydraulic accumulator.
12. Perform a final operational check to verify that the traversing system malfunction is corrected to specification.
13. Annotate corrective action taken on DA Form 5988-E.
14. Maintain tools and equipment.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When

working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	___	___
2. Selected and used applicable tools and TMDE.	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Inspected the traversing system component(s).	___	___
5. Replaced hydraulic turret valve. a. Torqued turret valve to specification. b. Locked in place all four electrical connectors. c. Tightened all hydraulic hoses and tubes a half turn past the point of firm resistance.	___	___
6. Bled air from hydraulic system.	___	___
7. Maintained gunner's control grip assembly. a. Adjusted emergency mode. b. Adjusted normal mode.	___	___
8. Performed troubleshooting malfunction of auxiliary hydraulic subsystem.	___	___
9. Performed troubleshooting fault of gun azimuth (traverse) subsystem.	___	___
10. Replaced and charged main hydraulic accumulator.	___	___
11. Replaced and charged manual hydraulic accumulator.	___	___
12. Performed a final operational check to verify that the traversing system malfunction was corrected to specification.	___	___
13. Annotated corrective action taken on DA Form 5988-E.	___	___
14. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 2404	TM 9-2350-388-24P-2
DA FORM 5988-E	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	
TM 9-2350-388-10-3	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-388-23-2-5	

Correct Malfunction on the Elevation System of the M1 Series Track Vehicle

091-91A-0034

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Elevation System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-2-1; TM 9-2350-388-23-2-2; TM 9-2350-388-23-2-3; TM 9-2350-388-23-2-4; TM 9-2350-388-23-2-5; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction of elevating systems in accordance with applicable technical publications. When this task is completed, the equipment or end item was fully-mission capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect the elevating system component(s).
5. Replace hydraulic turret valve.
   a. Torque turret valve to specification.
   b. Lock in place all four electrical connectors.
   c. Tighten all hydraulic hoses and tubes a half turn past the point of firm resistance.
6. Replace elevation servo mechanism fluid filter.
7. Bleed air from hydraulic system.
8. Prime the manual elevation hand pump assembly.
9. Bleed air from the manual elevation hand pump assembly.
10. Adjust the zero degree elevation switch.
11. Perform troubleshooting malfunction of gun elevation subsystem.
12. Replace and charge main hydraulic accumulator.
13. Replace and charge manual hydraulic accumulator.
14. Perform a final operational test to verify that the elevating system malfunction is corrected to specification.
15. Annotate corrective actions taken on the DA Form 5988-E.
16. Maintain tools and equipment.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When

working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	___	___
2. Selected and used applicable tools and TMDE.	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Inspected the elevating system component(s).	___	___
5. Replaced hydraulic turret valve. a. Torqued turret valve to specification. b. Locked in place all four electrical connectors. c. Tightened all hydraulic hoses and tubes a half turn past the point of firm resistance.	___	___
6. Replaced elevation servo mechanism fluid filter.	___	___
7. Bled air from hydraulic system.	___	___
8. Primed the manual elevation hand pump assembly.	___	___
9. Bled air from the manual elevation hand pump assembly.	___	___
10. Adjusted the zero degree elevation switch.	___	___
11. Performed troubleshooting malfunction of gun elevation subsystem.	___	___
12. Replaced and charged main hydraulic accumulator.	___	___
13. Replaced and charged manual hydraulic accumulator.	___	___
14. Performed a final operational test to verify that the elevating system malfunction is corrected to specification.	___	___
15. Annotated corrective actions taken on the DA Form 5988-E.	___	___
16. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 2404	TM 9-2350-388-24P-2
DA FORM 5988-E	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	
TM 9-2350-388-10-3	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-388-23-2-5	

Correct Malfunction of Sighting Systems of the M1 Series Track Vehicle

091-91A-0035

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction of Sighting Systems on a M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-2-1; TM 9-2350-388-23-2-2; TM 9-2350-388-23-2-3; TM 9-2350-388-23-2-4; TM 9-2350-388-23-2-5; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction of sighting systems in accordance with applicable TM. When this task is completed, the equipment or end item is fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect sighting and fire control systems.
5. Replace commander's gunner's primary sight (GPS) extension.
6. Service commander's GPS extension.
7. Replace commander's weapon station (CWS) sight.
8. Replace GPS body assembly.
9. Service GPS.
10. Replace lower panel assembly.
11. Perform a final operational test to verify sighting and fire control systems malfunction is correct to specification.
12. Annotate corrective actions taken on the DA Form 5988-E.
13. Maintain tools and equipment.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	___	___
2. Selected and used applicable tools and TMDE.	___	___

Performance Measures	GO	NO-GO
3. Practiced shop safety and maintenance discipline.	___	___
4. Inspected sighting and fire control systems.	___	___
5. Replaced commander's gunner's primary sight (GPS) extension.	___	___
6. Serviced commander's GPS extension.	___	___
7. Replaced commander's weapon station (CWS) sight.	___	___
8. Replaced GPS body assembly.	___	___
9. Serviced GPS.	___	___
10. Replaced lower panel assembly.	___	___
11. Performed a final operational test to verify sighting and fire control systems malfunction is correct to specification.	___	___
12. Annotated corrective actions taken on the DA Form 5988-E.	___	___
13. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required
DA FORM 2404
DA FORM 5988-E
TM 9-2350-388-10-1
TM 9-2350-388-10-2
TM 9-2350-388-10-3
TM 9-2350-388-23-2-1
TM 9-2350-388-23-2-2
TM 9-2350-388-23-2-3
TM 9-2350-388-23-2-4
TM 9-2350-388-23-2-5

Related
TM 9-2350-388-24P-2

Correct Malfunction on the Thermal Imaging System of the M1 Series Track Vehicle

091-91A-0036

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Thermal Imaging System on a M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-2-1; TM 9-2350-388-23-2-2; TM 9-2350-388-23-2-3; TM 9-2350-388-23-2-4; TM 9-2350-388-23-2-5; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction on the Thermal Imaging System in accordance with performance measures and applicable technical publications and returned the M1 series vehicle to fully mission-capable status.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect Thermal Imaging System.
5. Replace Image Control Unit.
6. Service the Thermal Imaging System.
7. Perform a final operational test to verify sighting and fire control systems malfunction is correct to specification.
8. Annotate corrective actions taken on the DA Form 5988-E.
9. Maintain tools and equipment.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	____	____
2. Selected and used applicable tools and TMDE.	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Inspected Thermal Imaging System.	____	____
5. Replaced Image Control Unit.	____	____
6. Serviced the Thermal Imaging System.	____	____

Performance Measures	GO	NO-GO
7. Performed a final operational test to verify sighting and fire control systems malfunction is correct to specification.	___	___
8. Annotated corrective actions taken on the DA Form 5988-E.	___	___
9. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 2404	TM 9-2350-388-24P-2
DA FORM 5988-E	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	
TM 9-2350-388-10-3	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-388-23-2-5	

Correct Malfunction of the Main Weapon System of the M1 Series Track Vehicle

091-91A-0037

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction of the Main Weapon System on a M1 Series Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-2-1; TM 9-2350-388-23-2-2; TM 9-2350-388-23-2-3; TM 9-2350-388-23-2-4; TM 9-2350-388-23-2-5; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction of the Main Weapon System in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect the cannon assembly system component(s).
5. Perform troubleshooting of the cannon assembly.
6. Replace operating shafts and bearings.
7. Repair breechblock.
8. Repair closing piston assembly.
9. Perform breechblock function check.
10. Perform firing circuit test.
11. Perform a final operational test to verify that the cannon assembly malfunction is corrected to specification.
12. Annotate corrective actions taken on the DA Form 5988-E.
13. Maintain tools and equipment.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	___	___
2. Selected and used applicable tools and TMDE.	___	___

Performance Measures	GO	NO-GO
3. Practiced shop safety and maintenance discipline.	___	___
4. Inspected the cannon assembly system component(s).	___	___
5. Performed troubleshooting of the cannon assembly.	___	___
6. Replaced operating shafts and bearings.	___	___
7. Repaired breechblock.	___	___
8. Repaired closing piston assembly.	___	___
9. Performed breechblock function check.	___	___
10. Performed firing circuit test.	___	___
11. Performed a final operational test to verify that the cannon assembly malfunction is corrected to specification.	___	___
12. Annotated corrective actions taken on the DA Form 5988-E.	___	___
13. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 2404	TM 9-2350-388-24P-2
DA FORM 5988-E	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	
TM 9-2350-388-10-3	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-388-23-2-5	

Correct Malfunction on the Turret Electrical Systems of the M1 Series Track Vehicle

091-91A-0039

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction on the Turret Electrical Systems of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-2-1; TM 9-2350-388-23-2-2; TM 9-2350-388-23-2-3; TM 9-2350-388-23-2-4; TM 9-2350-388-23-2-5; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction of the turret electrical system in accordance with applicable technical publications. When the task is completed, the equipment or end item is fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect the turret electrical system component(s).
5. Read M1A1 wiring diagrams.
6. Replace turret networks box (TNB).
7. Perform TNB check.
8. Perform troubleshooting of turret electrical system.
9. Perform troubleshooting of circuit breaker monitor subsystem.
10. Perform troubleshooting of turret panel lights and dome lights subsystems.
11. Perform a final operational test to verify turret electrical system malfunction(s) is corrected to specification.
12. Annotate corrective actions taken on DA Form 5988-E.
13. Maintain tools and equipment.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	____	____
2. Selected and used applicable tools and TMDE.	____	____

Performance Measures	GO	NO-GO
3. Practiced shop safety and maintenance discipline.	___	___
4. Inspected the turret electrical system component(s).	___	___
5. Read M1A1 wiring diagrams.	___	___
6. Replaced turret networks box (TNB).	___	___
7. Performed TNB check.	___	___
8. Performed troubleshooting of turret electrical system.	___	___
9. Performed troubleshooting of circuit breaker monitor subsystem.	___	___
10. Performed troubleshooting of turret panel lights and dome lights subsystems.	___	___
11. Performed a final operational test to verify turret electrical system malfunction(s) is corrected to specification.	___	___
12. Annotated corrective actions taken on DA Form 5988-E.	___	___
13. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 2404	TM 9-2350-388-24P-2
DA FORM 5988-E	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	
TM 9-2350-388-10-3	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-388-23-2-5	

Correct Malfunction of the Turret Hydraulics of the M1 Series Track Vehicle

091-91A-0040

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Correct Malfunction of the Turret Hydraulics of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-2-1; TM 9-2350-388-23-2-2; TM 9-2350-388-23-2-3; TM 9-2350-388-23-2-4; TM 9-2350-388-23-2-5; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction of turret hydraulic systems in accordance with applicable TM. When this task is completed, the equipment or end item was fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect hydraulic system components.
5. Replace turret valve.
6. Replace elevation servo mechanism fluid filter.
7. Bleed air from hydraulic system.
8. Prime the manual elevation hand pump assembly.
9. Bleed air from the manual elevation hand pump.
10. Perform a final operational test to verify hydraulic systems malfunction is corrected to specification.
11. Replace and charge main hydraulic accumulator.
12. Replace and charge manual hydraulic accumulator.
13. Annotate corrective actions taken on DA Form 5988-E.
14. Maintain tools and equipment.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable technical publications.	____	____
2. Selected and used applicable tools and TMDE.	____	____

Performance Measures	GO	NO-GO
3. Practiced shop safety and maintenance discipline.	___	___
4. Inspected hydraulic system components.	___	___
5. Replaced turret valve.	___	___
6. Replaced elevation servo mechanism fluid filter.	___	___
7. Bled air from hydraulic system.	___	___
8. Primed the manual elevation hand pump assembly.	___	___
9. Bled air from the manual elevation hand pump.	___	___
10. Performed a final operational test to verify hydraulic systems malfunction is corrected to specification.	___	___
11. Replaced and charged main hydraulic accumulator.	___	___
12. Replaced and charged manual hydraulic accumulator.	___	___
13. Annotated corrective actions taken on DA Form 5988-E.	___	___
14. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 2404	TM 9-2350-388-24P-2
DA FORM 5988-E	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	
TM 9-2350-388-10-3	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-388-23-2-5	

Replace Traverse Motor Brake Assembly of the M1 Abrams Track Vehicle

091-91A-0041

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Replace Traverse Motor Brake Assembly of the M1 Abrams Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-2-1; TM 9-2350-388-23-2-2; TM 9-2350-388-23-2-3; TM 9-2350-388-23-2-4; TM 9-2350-388-23-2-5; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction of the traverse motor brake, servo, and manual drive assemblies in accordance with applicable technical publications. When this task is completed, the equipment or end item is fully mission-capable or required maintenance actions performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Review work request.
2. Ensure task was within shop capability and authorization.
3. Ensure applicable technical publications were available.
4. Ensure proper tools, equipment, and TMDE are available to be inspected, repaired/replaced, and test the manual drive assemblies.
5. Perform troubleshooting procedures.
6. Diagnose fault(s) and determined maintenance action is performed.
7. Identify repair parts and requisitioned, if required.
8. Ensure all safety precautions and procedures are followed.
9. Remove traverse motor brake, servo assembly.
10. Install traverse motor brake, servo assembly.
11. Critique personnel on their job performance.
12. Ensure maintenance forms are completed, as required.
13. Ensure tools, equipment, and TMDE are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Reviewed work request.	____	____
2. Ensured task was within shop capability and authorization.	____	____

Performance Measures	GO	NO-GO
3. Ensured applicable technical publications were available.	___	___
4. Ensured proper tools, equipment, and TMDE are available to be inspected, repaired/replaced, and test the manual drive assemblies.	___	___
5. Performed troubleshooting procedures.	___	___
6. Diagnosed fault(s) and determined maintenance action is performed.	___	___
7. Identified repair parts and requisitioned, if required.	___	___
8. Ensured all safety precautions and procedures are followed.	___	___
9. Removed traverse motor brake, servo assembly.	___	___
10. Installed traverse motor brake, servo assembly.	___	___
11. Critiqued personnel on their job performance.	___	___
12. Ensured maintenance forms are completed, as required.	___	___
13. Ensured tools, equipment, and TMDE are properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 2404	TM 9-2350-388-24P-2
DA FORM 5988-E	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	
TM 9-2350-388-10-3	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-388-23-2-5	

Replace Manual Drive Assembly of the M1 Series Track Vehicle

091-91A-0042

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Replace Manual Drive Assembly of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-2-1; TM 9-2350-388-23-2-2; TM 9-2350-388-23-2-3; TM 9-2350-388-23-2-4; TM 9-2350-388-23-2-5; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction of the manual drive assemblies in accordance with applicable technical publications. When this task is completed, the equipment or end item is fully mission-capable or required maintenance actions performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Review work request.
2. Ensure task was within shop capability and authorization.
3. Ensure applicable technical publications were available.
4. Ensure proper tools, equipment, and TMDE are available to be inspected, repaired/replaced, and test the manual drive assemblies.
5. Perform troubleshooting procedures.
6. Diagnose fault(s) and determined maintenance action is performed.
7. Identify repair parts and requisitioned, if required.
8. Ensure all safety precautions and procedures are followed.
9. Remove traverse motor brake, servo, and manual drive assembly.
10. Install traverse motor brake, servo, and manual drive assembly.
11. Critique personnel on their job performance.
12. Ensure maintenance forms are completed, as required.
13. Ensure tools, equipment, and TMDE are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Reviewed work request.	____	____
2. Ensured task was within shop capability and authorization.	____	____

Performance Measures	GO	NO-GO
3. Ensured applicable technical publications were available.	___	___
4. Ensured proper tools, equipment, and TMDE are available to be inspected, repaired/replaced, and test the manual drive assemblies.	___	___
5. Performed troubleshooting procedures.	___	___
6. Diagnosed fault(s) and determined maintenance action is performed.	___	___
7. Identified repair parts and requisitioned, if required.	___	___
8. Ensured all safety precautions and procedures are followed.	___	___
9. Removed traverse motor brake, servo, and manual drive assembly.	___	___
10. Installed traverse motor brake, servo, and manual drive assembly.	___	___
11. Critiqued personnel on their job performance.	___	___
12. Ensured maintenance forms are completed, as required.	___	___
13. Ensured tools, equipment, and TMDE are properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 2404	TM 9-2350-388-24P-2
DA FORM 5988-E	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	
TM 9-2350-388-10-3	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-388-23-2-5	

Replace Elevation Servo Assembly of the M1 Series Track Vehicle

091-91A-0043

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Replace Elevation Servo Assembly of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-2-1; TM 9-2350-388-23-2-2; TM 9-2350-388-23-2-3; TM 9-2350-388-23-2-4; TM 9-2350-388-23-2-5; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Correct malfunction of the elevation servo assembly. When this task is completed, the equipment or end item is fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Review work request.
2. Ensure task is within shop capability and authorization.
3. Ensure applicable technical publications are available.
4. Ensure proper tools, equipment, and TMDE are available and inspected, repaired/replaced, and test the elevation servo assembly.
5. Perform troubleshooting procedures.
6. Diagnose fault(s) and determined maintenance action to be performed.
7. Identify repair parts and requisitioned, if required.
8. Ensure all safety precautions and procedures are followed.
9. Remove elevation servo assembly.
10. Perform an inspection to ensure the elevation servo is fully mission-capable.
11. Install the elevation servo.
12. Ensure maintenance forms are completed, as required.
13. Ensure tools, equipment, and TMDE are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Reviewed work request.	____	____
2. Ensured task is within shop capability and authorization.	____	____
3. Ensured applicable technical publications are available.	____	____

Performance Measures	GO	NO-GO
4. Ensured proper tools, equipment, and TMDE are available and inspected, repaired/replaced, and test the elevation servo assembly.	___	___
5. Performed troubleshooting procedures.	___	___
6. Diagnosed fault(s) and determined maintenance action to be performed.	___	___
7. Identified repair parts and requisitioned, if required.	___	___
8. Ensured all safety precautions and procedures are followed.	___	___
9. Removed elevation servo assembly.	___	___
10. Performed an inspection to ensure the elevation servo is fully mission-capable.	___	___
11. Installed the elevation servo.	___	___
12. Ensured maintenance forms are completed, as required.	___	___
13. Ensured tools, equipment, and TMDE are properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required
DA FORM 2404
DA FORM 5988-E
TM 9-2350-388-10-1
TM 9-2350-388-10-2
TM 9-2350-388-10-3
TM 9-2350-388-23-2-1
TM 9-2350-388-23-2-2
TM 9-2350-388-23-2-3
TM 9-2350-388-23-2-4
TM 9-2350-388-23-2-5

Related
TM 9-2350-388-24P-2

Perform Scheduled Services of the M1 Series Track Vehicle

091-91A-0044

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Scheduled Services of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-2-1; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Perform scheduled services on M1 Abrams tank turret in accordance with applicable technical publications. When this task is completed, the equipment or end item is fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Perform scheduled services on the M1 Abrams tank hull.
5. Perform scheduled services on the M1 Abrams tank turret.
6. Annotate corrective actions taken on DA Form 5988-E.
7. Maintain tools and equipment.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	____	____
2. Selected and used applicable tools and TMDE.	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Performed scheduled services on the M1 Abrams tank hull.	____	____
5. Performed scheduled services on the M1 Abrams tank turret.	____	____
6. Annotated corrective actions taken on DA Form 5988-E.	____	____
7. Maintained tools and equipment.	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
DA FORM 5988-E	TM 9-2350-388-24P-1-1
TM 9-2350-388-10-1	TM 9-2350-388-24P-1-2
TM 9-2350-388-10-2	TM 9-2350-388-24P-2
TM 9-2350-388-10-3	TM 9-2350-388-34-2-1
TM 9-2350-388-23-1-1	TM 9-2350-388-34-2-2
TM 9-2350-388-23-2-1	

Maintain the Hydraulic Accumulator Manual Elevation Drive Unit on the M1 Series Track Vehicle

091-91A-0046

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Maintain the Hydraulic Accumulator Manual Elevation Drive Unit on the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-2-1; TM 9-2350-388-23-2-2; TM 9-2350-388-23-2-3; TM 9-2350-388-23-2-4; TM 9-2350-388-23-2-5; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: maintain the hydraulic accumulator manual elevation drive unit in accordance with applicable technical publications. When this task is completed, the equipment or end item is fully mission-capable or required maintenance actions performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Review work request.
2. Ensure task was within shop capability and authorization.
3. Ensure applicable technical publications were available.
4. Ensure proper tools, equipment, and TMDE are available to be inspected, repaired/replaced, and test the manual drive assemblies.
5. Perform troubleshooting procedures.
6. Diagnose fault(s) and determined maintenance action is performed.
7. Identify repair parts and requisitioned, if required.
8. Ensure all safety precautions and procedures are followed.
9. Remove manual elevation drive unit.
10. Install manual elevation drive assembly.
11. Inspect hydraulic accumulator.
12. Purge and charge hydraulic accumulator.
13. Critique personnel on their job performance.
14. Ensure maintenance forms are completed, as required.
15. Ensure tools, equipment, and TMDE are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Reviewed work request.	___	___
2. Ensured task was within shop capability and authorization.	___	___
3. Ensured applicable technical publications were available.	___	___
4. Ensured proper tools, equipment, and TMDE are available to be inspected, repaired/replaced, and tested the manual drive assemblies.	___	___
5. Performed troubleshooting procedures.	___	___
6. Diagnosed fault(s) and determined maintenance action was performed.	___	___
7. Identified repair parts and requisitioned, if required.	___	___
8. Ensured all safety precautions and procedures are followed.	___	___
9. Removed manual elevation drive unit.	___	___
10. Installed manual elevation drive assembly.	___	___
11. Inspected hydraulic accumulator.	___	___
12. Purged and charged hydraulic accumulator.	___	___
13. Critiqued personnel on their job performance.	___	___
14. Ensured maintenance forms are completed, as required.	___	___
15. Ensured tools, equipment, and TMDE are properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required
DA FORM 2404
DA FORM 5988-E
TM 9-2350-388-10-1
TM 9-2350-388-10-2
TM 9-2350-388-10-3
TM 9-2350-388-23-2-1
TM 9-2350-388-23-2-2
TM 9-2350-388-23-2-3
TM 9-2350-388-23-2-4
TM 9-2350-388-23-2-5

Related
TM 9-2350-388-24P-2

Maintain Main Gun King Nut Bearing on the M1 Series Track Vehicle

091-91A-0047

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Maintain Main Gun King Nut Bearing on the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-2-1; TM 9-2350-388-23-2-2; TM 9-2350-388-23-2-3; TM 9-2350-388-23-2-4; TM 9-2350-388-23-2-5; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Maintain Main Gun King Nut Bearing in accordance with applicable technical publications. When this task is completed, the equipment or end item is fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A skill level (SL) 1/2 personnel are identified.

Performance Steps

1. Review work request.
2. Ensure task is within shop capability and authorization.
3. Ensure applicable technical publications are available.
4. Ensure proper tools, equipment, and TMDE are available and inspected, repaired/replaced, and test the elevation servo assembly.
5. Perform troubleshooting procedures.
6. Diagnose fault(s) and determined maintenance action to be performed.
7. Identify repair parts and requisitioned, if required.
8. Ensure all safety precautions and procedures are followed.
9. Remove King Nut Bearing assembly.
10. Perform an inspection to ensure the King Nut Bearing is fully mission-capable.
11. Install the King Nut Bearing assembly.
12. Ensure maintenance forms are completed, as required.
13. Ensure tools, equipment, and TMDE are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Reviewed work request.	___	___
2. Ensured task is within shop capability and authorization.	___	___

Performance Measures	GO	NO-GO
3. Ensured applicable technical publications are available.	___	___
4. Ensured proper tools, equipment, and TMDE are available and inspected, repaired/replaced, and test the elevation servo assembly.	___	___
5. Performed troubleshooting procedures.	___	___
6. Diagnosed fault(s) and determined maintenance action to be performed.	___	___
7. Identified repair parts and requisitioned, if required.	___	___
8. Ensured all safety precautions and procedures are followed.	___	___
9. Removed King Nut Bearing assembly.	___	___
10. Performed an inspection to ensure the King Nut Bearing is fully mission-capable.	___	___
11. Installed the King Nut Bearing assembly.	___	___
12. Ensured maintenance forms are completed, as required.	___	___
13. Ensured tools, equipment, and TMDE are properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 2404	TM 9-2350-388-24P-2
DA FORM 5988-E	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	
TM 9-2350-388-10-3	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-388-23-2-5	
DA FORM 2404	

Subject Area 3: JOINT ASSAULT BRIDGE/ARMORED BREACHER VEHICLE (ASI-D8 ONLY)

Perform Preventive Maintenance Checks and Services (PMCS) on the ABV
091-ABV-1001

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Perform Preventive Maintenance Checks and Services (PMCS) on the ABV in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Maintain ABV Hull Electrical System

091-ABV-1002

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Maintain ABV Hull Electrical System in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	____	____
4. Selected and used applicable technical publications.	____	____
5. Inspected equipment and components in accordance with technical manuals (TMs).	____	____
6. Performed PMCS in accordance with publications and TMs.	____	____
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Maintain ABV Hull Hydraulic System

091-ABV-1003

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Maintain ABV Hull Hydraulic System in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Troubleshoot High Lift Adapter (HLA)

091-ABV-1004

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Troubleshoot High Lift Adapter (HLA) on the ABV in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Perform Hydraulic Pressure Check on Pressure Intensifier (PIU)

091-ABV-1005

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Perform Hydraulic Pressure Check on Pressure Intensifier (PIU) When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Troubleshoot Plow Power Distribution Unit (PPDU)

091-ABV-1006

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Troubleshoot Plow Power Distribution Unit (PPDU) in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Perform Hydraulic Pressure Check on Hull 3-Base Manifold

091-ABV-1007

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Perform Hydraulic Pressure Check on Hull 3-Base Manifold in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Troubleshoot High Lift Adapter (HLA) Jettison Pins
091-ABV-1008

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Troubleshoot High Lift Adapter (HLA) Jettison Pins on the ABV in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Perform Hydraulic Pressure Check on Front End Equipment (FEE)

091-ABV-1009

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Perform Hydraulic Pressure Check on Front End Equipment (FEE). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Maintain ABV Turret Hydraulic System

091-ABV-1010

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Maintain ABV Turret Hydraulic System in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Maintain ABV Turret Electrical System

091-ABV-1011

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Maintain ABV Turret Electrical System in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Troubleshoot Turret power Distribution Unit (TPDU)

091-ABV-1012

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Troubleshoot Turret Power Distribution Unit (TPDU) in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Perform Hydraulic Pressure Check on Turret 3-Base Manifold

091-ABV-1013

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Perform Hydraulic Pressure Check on Turret 3-Base Manifold in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Maintain ABV Turret Traversing System

091-ABV-1014

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Maintain ABV Turret Traversing System in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Maintain ABV Integrated Viewing System (IVS)

091-ABV-1015

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Maintain ABV Integrated Viewing System (IVS) in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	____	____
4. Selected and used applicable technical publications.	____	____
5. Inspected equipment and components in accordance with technical manuals (TMs).	____	____
6. Performed PMCS in accordance with publications and TMs.	____	____
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Maintain Linear Demolition Charge System (LDCS)

091-ABV-1016

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Maintain Lane Marking System (LMS) in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	____	____
4. Selected and used applicable technical publications.	____	____
5. Inspected equipment and components in accordance with technical manuals (TMs).	____	____
6. Performed PMCS in accordance with publications and TMs.	____	____
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Maintain Lane Marking System (LMS)

091-ABV-1017

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Maintain Lane Marking System (LMS) in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	____	____
4. Selected and used applicable technical publications.	____	____
5. Inspected equipment and components in accordance with technical manuals (TMs).	____	____
6. Performed PMCS in accordance with publications and TMs.	____	____
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Troubleshoot Lane Marking System Unit (LMSCU)

091-ABV-1018

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Troubleshoot Lane Marking System Unit (LMSCU) in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	____	____
4. Selected and used applicable technical publications.	____	____
5. Inspected equipment and components in accordance with technical manuals (TMs).	____	____
6. Performed PMCS in accordance with publications and TMs.	____	____
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Maintain Lane Marking System (LMS) Compressor Assemblies
091-ABV-1019

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Maintain Lane Marking System (LMS) Compressor Assemblies in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	____	____
4. Selected and used applicable technical publications.	____	____
5. Inspected equipment and components in accordance with technical manuals (TMs).	____	____
6. Performed PMCS in accordance with publications and TMs.	____	____
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Perform Preventive Maintenance Checks and Services (PMCS) on the JAB and Bridge Launcher System

091-JAB-1001

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Perform preventive maintenance checks and services (PMCS) in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Utilize Embedded Diagnostic System to Maintain JAB

091-JAB-1002

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Utilize Embedded Diagnostic System to Maintain JAB in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	____	____
4. Selected and used applicable technical publications.	____	____
5. Inspected equipment and components in accordance with technical manuals (TMs).	____	____
6. Performed PMCS in accordance with publications and TMs.	____	____
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Maintain JAB Embedded Diagnostic System (EDS)

091-JAB-1003

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Maintain JAB Embedded Diagnostic System (EDS) in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Troubleshoot Vehicle using Embedded Diagnostic (ED) System

091-JAB-1004

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Troubleshoot Vehicle using Embedded Diagnostic (ED) System in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Troubleshoot JAB Hull System

091-JAB-1005

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Troubleshoot JAB Hull System in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Maintain JAB Hull Electrical System

091-JAB-1006

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Troubleshoot JAB Hull Electrical System in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Maintain JAB Hull Hydraulic System

091-JAB-1007

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Troubleshoot JAB Hull Hydraulic System in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Maintain JAB Bridge Launcher System

091-JAB-1008

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Maintain JAB Bridge Launcher System in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	____	____
4. Selected and used applicable technical publications.	____	____
5. Inspected equipment and components in accordance with technical manuals (TMs).	____	____
6. Performed PMCS in accordance with publications and TMs.	____	____
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Maintain JAB Hydraulic Bridge Launcher System

091-JAB-1009

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Maintain JAB Hydraulic Bridge Launcher System in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	____	____
4. Selected and used applicable technical publications.	____	____
5. Inspected equipment and components in accordance with technical manuals (TMs).	____	____
6. Performed PMCS in accordance with publications and TMs.	____	____
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Maintain the JAB Turbine Hydraulic Pumping Unit (HPU) and Diesel Hydraulic PUMP (DHP)

091-JAB-1010

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Maintain the JAB Turbine Hydraulic Pumping Unit (HPU) and Diesel Hydraulic PUMP (DHP) in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Maintain the JAB Bridge and Bridge Launch System

091-JAB-1011

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Maintain the JAB Bridge and Bridge Launch System in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	____	____
4. Selected and used applicable technical publications.	____	____
5. Inspected equipment and components in accordance with technical manuals (TMs).	____	____
6. Performed PMCS in accordance with publications and TMs.	____	____
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Maintain JAB Launcher Electrical System

091-JAB-1012

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Maintain JAB Launcher Electrical System in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Maintain JAB Visual Enhancement System

091-JAB-1013

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given a Joint Assault Bridge and launcher; multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the operational environment (OE) variable and factors.

Standards: Maintain JAB Visual Enhancement System in accordance with applicable technical manuals (TMs). When this task is completed, the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	___	___
4. Selected and used applicable technical publications.	___	___
5. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
6. Performed PMCS in accordance with publications and TMs.	___	___
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Subject Area 4: RECOVERY (ASI-H8 ONLY)

Locate a Recovery Site
091-H8C-2001

Conditions: In a contemporary operational environment (COE) given a representative recovery vehicle, required materials, multi-capability tool kit, and applicable references.

Standards: Locate a recovery site to within 10 meters and identified primary and alternate recovery routes determining distance for both with no greater than a 10 percent error.

Performance Steps

1. Select and use applicable publications.
2. Identify terrain features.
3. Identify map symbols and colors.
4. Locate site using military grid reference system.
5. Calculate distance.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable publications.	___	___
2. Identified terrain features.	___	___
3. Identified map symbols and colors.	___	___
4. Located site using military grid reference system.	___	___
5. Calculated distance.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
FM 21-31	TC 43-35
FM 3-25.26	
TM 9-2320-279-10-1	
TM 9-2320-279-10-2	
TM 9-2320-279-20-1	
TM 9-2320-279-20-2	
TM 9-2320-279-20-3	

Determine Recovery Methods

091-H8C-2002

Conditions: In a contemporary operational environment (COE) given a representative recovery vehicle, required materials, general mechanic's tool kit, and applicable references including Field Manual (FM) 5-125, Training Circular (TC) 43-35, and recovery vehicle Technical Manual (TM) 9-2320-279-10-1, TM 9-2320-279-10-2, TM 9-2320-279-20-1, TM 9-2320-279-20-2, and TM 9-2320-279-20-3.

Standards: Determine recovery methods, source of effort, and mechanical advantage needed in accordance with references.

Performance Steps

1. Select and use applicable publications.
2. Reconnoiter area.
3. Estimate situation.
4. Calculate ratios.
5. Obtain resistance.
6. Verify solution.
7. Erect rigging.
8. Recheck rigging.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable publications.	____	____
2. Reconnoitered area.	____	____
3. Estimated situation.	____	____
4. Calculated ratios.	____	____
5. Obtained resistance.	____	____
6. Verified solution.	____	____
7. Erected rigging.	____	____
8. Rechecked rigging.	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

FM 5-125
TC 43-35
TM 9-2320-279-10-1
TM 9-2320-279-10-2
TM 9-2320-279-20-1
TM 9-2320-279-20-2
TM 9-2320-279-20-3

Related

TM 9-2320-272-10
TM 9-2350-256-10

Operate Tactical Communications Equipment

091-H8C-2003

Conditions: In a contemporary operational environment (COE) given a representative wheel vehicle (M984 series), required materials, general mechanic's tool kit, Technical Manual (TM) 11-5820-890-10-3, TM 9-2320-279-10-1, TM 9-2320-279-10-2, TM 9-2320-279-20-1, TM 9-2320-279-20-2, and TM 9-2320-279-20-3, and other applicable publications.

Standards: Stated the procedures for installing, operating, and using correct radio procedures for clear, concise, and secure communications in accordance with the appropriate publications.

Performance Steps

1. Select and use applicable publications.
2. Prepare communications equipment for operation.
3. Send tactical communications.
4. Receive tactical communications
5. Shut down tactical communications operation.
6. Follow prescribed safety procedures.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable publications.	___	___
2. Prepared communications equipment for operation.	___	___
3. Sent tactical communications.	___	___
4. Received tactical communications.	___	___
5. Shut down tactical communications operation.	___	___
6. Followed prescribed safety procedures.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 11-5820-890-10-3	TC 43-35
TM 9-2320-279-10-1	TM 11-5820-401-10-1
TM 9-2320-279-10-2	TM 11-5820-401-10-2
TM 9-2320-279-20-1	TM 11-5820-401-10-4
TM 9-2320-279-20-2	TM 11-5830-340-12
TM 9-2320-279-20-3	

Operate Metal Cutting Equipment

091-H8C-2004

Conditions: In a contemporary operational environment (COE) given a representative recovery vehicle, required materials, general mechanic's tool kit, Training Circular (TC) 9-237, and applicable recovery vehicle Technical Manual (TM) 9-2320-279-10-1, TM 9-2320-279-10-2, TM 9-2320-279-20-1, TM 9-2320-279-20-2, and TM 9-2320-279-20-3.

Standards: Stated the procedures for installing, operating, and using correct radio procedures for clear, concise, and secure communications in accordance with the appropriate publications.

Performance Steps

1. Select and use applicable publications.
2. Determine the method to cut metal.
3. Prepare metal cutting equipment, as required.
4. Cut metal.
5. Secure metal cutting equipment.
6. Follow prescribed safety procedures.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable publications.	____	____
2. Determined the method to cut metal.	____	____
3. Prepared metal cutting equipment, as required.	____	____
4. Cut metal.	____	____
5. Secured metal cutting equipment.	____	____
6. Followed prescribed safety procedures.	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TC 9-237	AR 385-10
TM 9-2320-279-10-1	AR 750-1
TM 9-2320-279-10-2	DA PAM 750-8
TM 9-2320-279-20-1	TC 43-35
TM 9-2320-279-20-2	TM 9-2320-366-10-1
TM 9-2320-279-20-3	TM 9-2320-366-10-2

References

Required	**Related**
	TM 9-2350-256-10
	TM 9-243

Maintain Recovery Vehicle Weapons

091-H8T-2001

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, Department of the Army (DA) Form 2404 (Equipment Inspection and Maintenance Worksheet), DA Form 5988-E (Equipment Inspection Maintenance Worksheet),technical manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, TM 9-2350-256-20-2, TM 9-2350-256-24P-1, TM 9-2350-256-24P-2, and other applicable publications.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: Maintain the M88 series vehicle weapons in accordance with the preventive maintenance checks and services (PMCS) table and procedures and specifications of the applicable TM. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publication.
   a. Ensure appropriate TM is used.
   b. Ensure steps are followed outlined in the TM.

2. Use proper safety methods.
   a. Ensure proper safety methods are followed.
   b. Follow prescribed safety precautions outlined in TM.

3. Disassemble machine gun.
   a. Ensure machine gun is on safe.
   b. Lock bolt to the rear
   c. Ensure weapon is clear.
   d. Follow steps outline in the TM.

4. Check for broken or missing parts.
   a. Separate machine gun components.
   b. Visually inspect each machine gun component for damage.
   c. Tag and label any parts for turn-in.
   d. Ensure DA Form 2404 (Equipment Inspection and Maintenance Worksheet) or DA Form 5988-E (Equipment Inspection Maintenance Worksheet) has been filled out.

5. Ensure all parts are cleaned and lubricated.
   a. Clean each machine gun component.
   b. Follow lubrication procedures outline in the TM.

6. Assemble machine gun.
   a. Locate and identify machine gun components to be assembled.
   b. Follow assemble procedures outline within the TM.

7. Set head-space and timing.
   a. Ensure proper tools are used.
   b. Follow procedures outlined in the TM for setting head-space and timing.
   c. Verify head-space and timing settings.

8. Inspect machine gun mount for missing, cracks, or broken parts.
   a. Follow proper procedures outlined in the TM.
   b. Tag and label any broken parts for turn-in.
   c. Ensure part has been requisitioned on proper paperwork.

9. Ensure launcher tubes are free of rust, dirt and corrosion.

Performance Steps

a. Follow proper procedures outlined in the TM.
b. Remove any rust, dirt and corrosion found within or on launcher tubes.

10. Ensure that grenade launcher wiring harness connectors are connected.
    a. Locate and identify grenade launcher wiring harness connectors.
    b. Check grenade launcher wiring harness for proper connections.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable publications. a. Ensured appropriate TMs were used. b. Ensured steps are followed outlined in the TM.	____	____
2. Used proper safety methods. a. Ensured proper safety methods are followed. b. Followed prescribed safety precautions outlined in TM.	____	____
3. Disassembled machine gun. a. Ensured machine gun was on safe. b. Locked bolt to the rear. c. Ensured weapon was cleared. d. Followed steps outlined in the TM.	____	____
4. Checked for broken or missing parts. a. Separated machine gun components. b. Visually inspected each machine gun component for damage. c. Tagged and labeled any parts for turn-in. d. Ensured DA Form 2404 and DA Form 5988-E have been filled out.	____	____
5. Ensured all parts were cleaned and lubricated. a. Cleaned each machine gun component. b. Followed lubrication procedures outlined in the TM.	____	____
6. Assembled machine gun. a. Located and identified machine gun components to be assembled. b. Followed assembly procedures outline within the TM.	____	____
7. Set head-space and timing. a. Ensured proper tools were used. b. Followed procedures outlined in the TM. c. Verified head-space and timing settings.	____	____
8. Inspected machine gun mount for missing, cracked, or broken parts. a. Followed proper procedures outlined in the TM. b. Tagged and labeled any broken parts for turn-in. c. Ensured part had been requisitioned on proper paperwork.	____	____
9. Ensured launcher tubes were free of rust, dirt, and corrosion. a. Followed proper procedures outlined in the TM. b. Removed any rust, dirt, and corrosion found within or on launcher tubes.	____	____

Performance Measures	GO	NO-GO
10. Ensured that grenade launcher wiring harness connectors were connected. a. Located and identified grenade launcher wiring harness connections. b. Checked grenade launcher wiring harness for proper connections.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 2404	AR 385-10
DA FORM 5988-E	AR 750-1
TM 9-2350-256-10	AR 750-43
TM 9-2350-256-20-1	
TM 9-2350-256-20-2	
TM 9-2350-256-24P-1	
TM 9-2350-256-24P-2	

Complete Preventive Maintenance Checks and Services on a Tracked Recovery Vehicle

091-H8T-2002

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, Department of the Army (DA) Form 2404 (Equipment Inspection and Maintenance Worksheet), DA Form 5988-E (Equipment Inspection Maintenance Worksheet), DA Pamphlet 750-8, Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, TM 9-2350-256-20-2, TM 9-2350-256-24P-1, TM 9-2350-256-24P-2, and TM 9-2350-292-10, and other applicable forms and publications.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: Inspect the M88 series vehicle in accordance with the preventive maintenance checks and services (PMCS) table of the applicable TM and record deficiencies on DA Form 2404 or DA Form 5988-E in accordance with DA Pamphlet 750-8. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
   a. Ensure appropriate TM is used.
   b. Follow steps outlined in appropriate publication.

2. Select and use proper tools and test, measurement, and diagnostic equipment (TMDE).
   a. Identify appropriate tools in basic issue items (BII).
   b. Ensure appropriate tools are serviceable.

3. Describe operation of vehicle systems and subsystems.
   a. Locate appropriate systems and subsystems operations in the TM.
   b. Read and follow systems and subsystems maintenance operating guidance outlined in TM.

4. Determine readiness of system components.
   a. Ensure components are at operating temperature.
   b. Verify equipment operating gauges and instruments.

5. Identify deficiencies and shortcomings.
   a. Follow steps outlined in TM pertaining to deficiencies.
   b. Record deficiencies and shortcomings on DA Form 2404 or DA Form 5988-E.

6. Correct shortcomings identified as operator maintenance.
   a. Take appropriate measures to repair all deficiencies and shortcomings that need to be repaired.
   b. Notify supervisor if fault is found beyond operator level of maintenance.

7. Follow prescribed safety procedures.
   a. Follow safety procedures outlined in TM.
   b. Follow safety procedures outlined in unit standing operating procedure (SOP).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable publications. a. Ensured appropriate TM was used. b. Followed steps outlined in TM.	___	___
2. Selected and used proper tools and TMDE. a. Identified appropriate tools in BII. b. Ensured appropriate tools were serviceable.	___	___
3. Described operation of vehicle systems and subsystems. a. Located appropriate systems and subsystems operations in the TM. b. Read and followed systems and subsystems maintenance operating guidance in TM.	___	___
4. Determined readiness of system components. a. Ensured components were at operating temperature. b. Verified equipment operating gauges and instruments.	___	___
5. Identified deficiencies and shortcomings. a. Followed steps outlined in the technical manual to pertaining to deficiencies. b. Recorded deficiencies and shortcomings using DA Form 2404 or DA Form 5988-E.	___	___
6. Corrected shortcomings identified as operator maintenance. a. Took appropriate measures to repair all deficiencies and shortcomings that needed to be repaired. b. Notified supervisor if fault was found beyond operator level of maintenance.	___	___
7. Followed prescribed safety procedures. a. Followed safety procedures outlined in TM. b. Followed safety procedures outlined in unit SOP.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 2404	AR 385-10
DA FORM 5988-E	AR 750-1
DA PAM 750-8	AR 750-43
TM 9-2350-256-10	TM 9-243
TM 9-2350-256-20-1	TM 9-8000
TM 9-2350-256-20-2	
TM 9-2350-256-24P-1	
TM 9-2350-256-24P-2	
TM 9-2350-292-10	

Use Basic Issue Items Related to Tracked Recovery Vehicle

091-H8T-2003

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, TM 9-2350-256-20-2, TM 9-2350-256-24P-1, TM 9-2350-256-24P-2, TM 9-2350-292-10, and other applicable forms and publications.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: Remove, clean, and store the recovery related components of end item (COEI) and basic issue items (BII) in accordance with the procedures in TM 9-2350-256-10 and TM 9-2350-292-10. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
   a. Ensure appropriate TM is used.
   b. Follow steps outlined in appropriate publication.

2. Inventory and determine serviceability of BII.
   a. Identify appropriate tools in BII.
   b. Inspect BII for serviceability.

3. Repair BII, as required.
   a. Follow steps outlined in TM pertaining to serviceability of BII.
   b. Tag and label unserviceable BII for turn-in.

4. Replace BII, as required.
   a. Follow directions outlined in publication on replacement of BII.
   b. Ensure appropriate BII has been ordered on applicable forms.

5. Use BII, as required.
   a. Select appropriate BII pertaining to job.
   b. Follow procedures in TM.

6. Service BII, as required.
   a. Refer to TM for servicing data.
   b. Verify servicing information in TM.

7. Store BII properly.
   a. Ensure all tools are accounted for.
   b. Ensure tools are cleaned before storing.

8. Follow prescribed safety procedures.
   a. Follow safety procedures outlined in TM.
   b. Follow safety procedures outlined in unit standing operating procedure (SOP).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable publications. a. Ensured appropriated TM was used. b. Followed steps outlined in appropriate publication.	___	___
2. Inventoried and determined serviceability of BII. a. Identified appropriate tools in BII. b. Inspected BII for serviceability.	___	___
3. Repaired BII, as required. a. Followed steps outlined in TM pertaining to serviceability of BII. b. Tagged and labeled unserviceable BII for turn-in.	___	___
4. Replaced BII, as required. a. Followed directions outlined in publication on replacement of BII. b. Ensured appropriate BII was ordered on applicable forms.	___	___
5. Used BII, as required. a. Selected appropriate BII pertaining to job. b. Followed procedures in TM.	___	___
6. Serviced BII, as required. a. Referred to TM for servicing data. b. Verified servicing information in TM.	___	___
7. Stored BII properly. a. Ensured all tools were accounted for. b. Ensured all tools were cleaned before storing.	___	___
8. Followed prescribed safety procedures. a. Followed safety procedures outlined in TM. b. Followed safety procedures outlined in unit SOP.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-256-10	AR 750-1
TM 9-2350-256-20-1	AR 750-43
TM 9-2350-256-20-2	DA FORM 2404
TM 9-2350-256-24P-1	DA FORM 5988-E
TM 9-2350-256-24P-2	TM 9-8000
TM 9-2350-292-10	

Drive Tracked Recovery Vehicle

091-H8T-2004

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, The Army Maintenance Management System (TAMMS) forms, Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, TM 9-2350-256-20-2, TM 9-2350-256-24P-1, TM 9-2350-256-24P-2, and other applicable publications.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: Negotiate obstacles in forward and reverse gears without stalling, jerking, getting stuck, or causing damage to the vehicle and while obeying all safety procedures, traffic regulations, and hand signals. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
   a. Ensure appropriate TM is used.
   b. Verify procedures while performing tracked recovery operations.

2. Perform preventive maintenance checks and services (PMCS).
   a. Identify what TM to use.
   b. Follow procedures outlined in TM.
   c. Annotate any deficiencies on appropriate forms.
   d. Ensure forms are in accordance with DA Pamphlet 738-751 and DA Pamphlet 750-8.

3. Start engine.
   a. Ensure vehicle parking brake is engaged.
   b. Check instrument panel to ensure gauges are operational.
   c. Follow start up procedures outlined in TM.

4. Place vehicle in motion.
   a. Disengage parking brake.
   b. Follow safety procedures outlined in motor pool.
   c. Ensure ground guides are used, if required.

5. Drive vehicle, maintaining proper engine speed when descending and ascending grades.
   a. Follow vehicle operating instructions, while maintaining proper engine speed, when descending and ascending grades.
   b. Verify vehicle operating instructions, while maintaining proper engine speed, when descending and ascending grades.

6. Drive vehicle in reverse.
   a. Ensure ground guide is used.
   b. Maintain proper speed while vehicle is in reverse.

7. Stop vehicle.
   a. Follow safety guidelines outlined in motor pool.
   b. Carefully bring the vehicle to a stop, while adhering to safe driving habits.

8. Parking vehicle.
   a. Ensure proper ground guides are used.
   b. Ensure there is enough clearance from other vehicles.

9. Stop engine (normal and emergency procedures).
   a. Follow guidelines outlined in TM for proper stopping procedures.
   b. Ensure parking brake is engaged.

Performance Steps

c. Ensure vehicle is chock blocked.
d. Perform an after-operations PMCS.

10. Complete TAMMS forms, as required.
    a. Annotate any deficiencies on appropriate forms.
    b. Ensure parts are ordered, if needed.
    c. Turn forms into Unit Level Logistics System (ULLS) clerk.

11. Follow prescribed safety procedures.
    a. Follow safety procedures outlined in TM.
    b. Follow safety procedures outlined in unit standing operating procedure (SOP).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable publications. a. Followed procedures outlined within TM. b. Verified procedures while performing tracked recovery operations.	___	___
2. Performed preventive maintenance checks and services (PMCS). a. Identified what TM was used. b. Followed procedures outlined within TM. c. Annotated any deficiencies on appropriate forms. d. Ensured forms are in accordance with DA Pamphlet 738-751 and DA Pamphlet 750-8.	___	___
3. Started engine. a. Ensured vehicle parking brake was engaged. b. Checked instrument panel to ensure gauges were operational. c. Followed start up procedures outlined in TM.	___	___
4. Placed vehicle in motion. a. Disengaged parking brake. b. Followed safety procedures outlined in motor pool. c. Ensured ground guide was used, if required.	___	___
5. Drove vehicle, maintaining proper engine speed when descending and ascending grades. a. Followed vehicle operating instructions, while maintaining proper engine speed, when descending and ascending grades. b. Verified vehicle operating instructions, while maintaining proper engine speed, when descending and ascending grades.	___	___
6. Drove vehicle in reverse. a. Ensured ground guide was used. b. Maintained proper speed while vehicle was in reverse.	___	___
7. Stopped vehicle. a. Followed safety guidelines outlined in motor pool. b. Carefully brought vehicle to a stop, while adhering to safe driving habits.	___	___

Performance Measures	GO	NO-GO
8. Parked vehicle. a. Ensured proper ground guides were used. b. Ensured there was enough clearance from other vehicles.	___	___
9. Stopped engine (normal and emergency procedures). a. Followed guidelines outlined in TM for proper stopping procedures. b. Ensured parking brake was engaged. c. Ensured vehicle was chock blocked. d. Performed an after-operations PMCS.	___	___
10. Completed TAMMS forms, as required. a. Annotated any deficiencies on appropriate forms. b. Ensured parts were ordered, if needed. c. Turned forms into Unit Level Logistics System (ULLS) clerk.	___	___
11. Followed prescribed safety procedures. a. Followed safety procedures outlined in TM. b. Followed safety procedures outlined in unit standing operating procedure (SOP).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA PAM 738-751	AR 385-10
DA PAM 750-8	AR 750-1
TM 9-2350-256-10	AR 750-43
TM 9-2350-256-20-1	
TM 9-2350-256-20-2	
TM 9-2350-256-24P-1	
TM 9-2350-256-24P-2	

Operate Auxiliary Power Unit

091-H8T-2005

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, Technical Manual (TM) 9-2350-256-10, TM 9-2350-292-10, TM 9-2350-256-20-1, TM 9-2350-256-20-2, and other applicable publications.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: Operate the Auxiliary Power Unit (APU) and basic issue items (BII) powered by the APU in accordance with the procedures in TM 9-2350-256-10 and TM 9-2350-292-10 without damage to the equipment. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
   a. Ensure appropriate TM is used.
   b. Follow steps outlined in TM pertaining to APU procedures.

2. Start APU.
   a. Follow APU start up procedures outlined in TM.
   b. Operate APU in accordance with applicable specifications.
   c. Ensure BII is operable without damage to APU.

3. Actuate generator switch to charge batteries.
   a. Follow procedures outlined in TM.
   b. Verify procedures while actuated generator switch to charge batteries.

4. Engage hydraulic control levers to start refuel/defuel pump.
   a. Follow procedures outlined within TM.
   b. Verify procedures while performing refueling/refueling operations.

5. Connect and operate hydraulic equipment.
   a. Ensure all steps are followed in accordance with TM.
   b. Verify connection while operating hydraulic equipment.

6. Shut down APU.
   a. Ensure shutdown procedures are in accordance with TM.
   b. Perform preventive maintenance checks and services (PMCS) while applying shutdown procedures.

7. Follow prescribed safety procedures.
   a. Follow safety procedures outlined in TM.
   b. Follow safety procedures outlined in unit standing operating procedure (SOP).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable publications. a. Ensured appropriate TM was used.	____	____

Performance Measures	GO	NO-GO
b. Followed steps outline in TM pertaining to APU procedures.		
2. Started APU. a. Followed APU start up procedures outlined within TM. b. Operated APU in accordance with applicable specifications. c. Ensured BII was operable without damage to APU.	___	___
3. Actuated generator switch to charge batteries. a. Followed procedures outlined in TM. b. Verified procedures while actuated generator switch to charge batteries.	___	___
4. Engaged hydraulic control levers to start refuel/defuel pump. a. Followed procedures outlined within TM. b. Verified procedures while engaging hydraulic control lever to start refuel/defuel operations.	___	___
5. Connected and operated hydraulic equipment. a. Followed procedures outlined within TM. b. Verified connection while operating hydraulic equipment.	___	___
6. Shut down APU. a. Followed APU shutdown procedures outlined within TM. b. Verified procedures while performing APU shutdown task.	___	___
7. Followed prescribed safety procedures. a. Followed safety procedures outlined in TM. b. Followed safety procedures outlined in unit SOP.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 385-10	
AR 750-1	
AR 750-43	
TM 9-2350-256-10	
TM 9-2350-256-20-1	
TM 9-2350-256-20-2	
TM 9-2350-292-10	

Operate the Boom and Hoist Winch on a Tracked Recovery Vehicle

091-H8T-2006

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, and applicable publications including Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, TM 9-2350-256-20-2, TM 9-2350-256-34, and TM 9-2350-292-10.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: Rig and operate the boom on the M88A1/M88A2 tracked recovery vehicle in accordance with the procedures in TM 9-2350-256-10 or TM 9-2350-292-10. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
   a. Ensure appropriate TM is used.
   b. Verify procedures while performing Boom, Hoist, and Winch operations.

2. Prepare vehicle for use of hydraulic equipment.
   a. Ensure appropriate basic issue items (BII) is used.
   b. Follow procedures outlined in TM.
   c. Disconnect any lines and fittings connecting equipment.
   d. Ensure appropriate equipment is hooked up.

3. Operate boom.
   a. Follow steps outlined in TM.
   b. Check equipment for any leaks.

4. Operate hoist winch.
   a. Ensure all connections are hooked up properly.
   b. Verify procedures while performing hoist and winch operations.
   c. Check equipment for any leaks.

5. Secure hydraulic equipment, as required.
   a. Ensure all equipment is properly secured.
   b. Ensure area is cleaned in accordance with Environmental Protection Agency (EPA) regulations.

6. Follow prescribed safety procedures.
   a. Follow safety procedures outlined in motor pool.
   b. Ensure to follow all safety guidance outlined with standing operating procedure (SOP).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable publications. a. Ensured appropriate TM was used. b. Verified procedures while performing Boom, Hoist, and Winch operations.	____	____

Performance Measures	GO	NO-GO
2. Prepared vehicle for use of hydraulic equipment. a. Ensured appropriate BII was used. b. Followed procedures outlined within TM. c. Disconnected any lines and fittings connecting equipment. d. Ensured appropriate equipment is hooked up.	___	___
3. Operated boom. a. Followed steps outlined in TM. b. Checked equipment for any leaks.	___	___
4. Operated hoist winch. a. Ensured all connections are hooked up properly. b. Verified procedures while performing hoist and winch operations. c. Checked equipment for any leaks.	___	___
5. Secured hydraulic equipment, as required. a. Ensured all equipment was properly secured. b. Ensured area is cleaned in accordance with EPA regulations.	___	___
6. Followed prescribed safety procedures. a. Followed safety procedures outlined in motor pool. b. Followed safety procedures outlined in unit SOP.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 385-10	
AR 750-1	
AR 750-43	
TM 9-2350-256-10	
TM 9-2350-256-20-1	
TM 9-2350-256-20-2	
TM 9-2350-292-10	

Operate the Spade on a Tracked Recovery Vehicle

091-H8T-2007

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, Department of the Army (DA) Form 2404 (Equipment Inspection and Maintenance Worksheet), DA Form 5988-E (Equipment Inspection Maintenance Worksheet), Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, TM 9-2350-256-20-2, TM 9-2350-256-24P-1, TM 9-2350-256-24P-2, TM 9-2350-292-10, and related references.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: Operate the spade in accordance with applicable technical publication procedures and specifications without injury to personnel or damage to equipment. When this task is completed, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
   a. Ensure appropriate TM is used.
   b. Follow steps identified in TM for job performance.

2. Prepare vehicle for use of hydraulic equipment.
   a. Follow steps outlined in TM.
   b. Perform a before-operations preventive maintenance checks and services (PMCS).

3. Operate spade.
   a. Follow safety precautions outlined in TM.
   b. Check equipment for leaks.
   c. Perform an after-operations PMCS.
   d. Annotate any deficiencies on appropriate DA Form 2404 and DA Form 5988-E, if needed.

4. Secure hydraulic equipment, as required.
   a. Ensure all attachments and basic issue items (BII) are secured properly.
   b. Ensure area is cleaned of any Environmental Protection Agency (EPA) violations.

5. Follow prescribed safety procedures.
   a. Follow safety procedures outlined in TM.
   b. Follow safety procedures outlined in unit standing operating procedure (SOP).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable publications. a. Ensured appropriate TM is used. b. Followed steps outlined in TM for job performance.	____	____
2. Prepared vehicle for use of hydraulic equipment. a. Followed steps outlined in TM.	____	____

Performance Measures	GO	NO-GO
b. Performed a before-operations PMCS.		
3. Operated spade.	___	___
a. Followed safety precautions outlined in TM.		
b. Checked equipment for leaks.		
c. Performed an after-operations PMCS.		
d. Annotated any deficiencies on appropriate DA Form 2404 and DA Form 5988-E, if needed.		
4. Secured hydraulic equipment, as required.	___	___
a. Ensured all attachments and BII are secured properly.		
b. Ensured area was cleaned of any EPA violations.		
5. Followed prescribed safety procedures.	___	___
a. Followed safety procedures outlined in TM.		
b. Followed safety procedures outlined in unit SOP.		

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 385-10	
AR 750-1	
AR 750-43	
DA FORM 2404	
DA FORM 5988-E	
TM 9-2350-256-10	
TM 9-2350-256-20-1	
TM 9-2350-256-20-2	
TM 9-2350-256-24P-1	
TM 9-2350-256-24P-2	
TM 9-2350-292-10	

Operate the Winches on a Tracked Recovery Vehicle

091-H8T-2008

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, and required publications including Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, TM 9-2350-256-20-2, TM 9-2350-256-24P-1, TM 9-2350-256-24P-2, TM 9-2350-256-34, and TM 9-2350-292-10.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: Operate the main winch and auxiliary winch in accordance with the procedures in TM 9-2350-256-10 and TM 9-2350-292-10 without causing damage to the equipment or injury to personnel. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
   a. Ensure appropriate TM is used.
   b. Follow procedures outlined in TM for job performance.

2. Prepare vehicle for use of hydraulic equipment.
   a. Ensure basic issue items (BII) and test, measurement, and diagnostic equipment (TMDE) are available.
   b. Perform a before-operations preventive maintenance checks and services (PMCS).

3. Operate main winch.
   a. Follow steps outlined in TM.
   b. Check equipment for any leaks.
   c. Annotate any deficiencies on appropriate forms, if needed.

4. Secure hydraulic equipment, as required.
   a. Ensure all attachments and equipment are cleaned and stored properly.
   b. Perform an after-operations PMCS.

5. Follow prescribed safety procedures.
   a. Follow safety procedures outlined in TM.
   b. Follow safety procedures outlined in unit standing operating procedure (SOP).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable publications. a. Ensured appropriate TM was used. b. Followed procedures outlined in TM for job performance.	____	____
2. Prepared vehicle for use of hydraulic equipment. a. Ensured BII and TMDE were available. b. Performed a before-operations PMCS.	____	____
3. Operated main winch.	____	____

Performance Measures	GO	NO-GO
a. Followed steps outlined in TM.		
b. Checked equipment for any leaks.		
c. Annotated any deficiencies on appropriate forms, if needed.		
4. Secured hydraulic equipment, as required.	___	___
a. Ensured all attachments and equipment were cleaned and stored properly.		
b. Performed an after-operations PMCS.		
5. Followed prescribed safety procedures.	___	___
a. Followed safety procedures outlined in TM.		
b. Followed safety procedures outlined in unit SOP.		

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 385-10	
AR 750-1	
AR 750-43	
TM 9-2350-256-10	
TM 9-2350-256-20-1	
TM 9-2350-256-20-2	
TM 9-2350-256-24P-1	
TM 9-2350-256-24P-2	
TM 9-2350-292-10	

Recover a Mired Tracked Vehicle

091-H8T-2009

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, and applicable publications including Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, TM 9-2350-256-20-2, TM 9-2350-256-24P-1, TM 9-2350-256-24P-2, and TM 9-2350-256-34.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: Accomplish task in accordance with applicable TM's procedures and specifications. All safety precautions were observed. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
   a. Identify which TM will be used.
   b. Followed steps outlined in TM.

2. Determine method of rigging.
   a. Follow steps outlined in TM.
   b. Ensure rigging lines are not defected.

3. Attach cable to the mired vehicle.
   a. Follow safety precautions outlined in TM.
   b. Ensure all observing personnel are at least one cable length away, opposite angle of pull.

4. Prepare recovery vehicle for recovery operations.
   a. Ensure parking brake is not engaged.
   b. Inspect tackle and equipment before recovery operation starts.

5. Establish communications between vehicles.
   a. Observe ground guide while operating recovery equipment.
   b. Ensure proper speed limit is followed.

6. Recover mired vehicle ensuring that all safety practices were followed.
   a. Ensure proper safety equipment is used.
   b. Ensure proper hand signals are used during recovery.

7. Secure recovery equipment.
   a. Disconnect and stow rigging equipment.
   b. Perform after-operations preventive maintenance checks and services (PMCS).
   c. Annotate any deficiencies on appropriate forms, if needed.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable publications. a. Identified which TM was used. b. Followed steps outlined in TM.	____	____

Performance Measures	GO	NO-GO
2. Determined method of rigging. a. Followed steps outlined in TM. b. Ensured rigging lines were not defected.	___	___
3. Attached cables to the mired vehicle. a. Followed safety precautions outlined in TM. b. Ensured all observing personnel were at least one cable length away, opposite angle of pull.	___	___
4. Prepared recovery vehicle for recovery operations. a. Ensured parking brake was not engaged. b. Inspected tackle and equipment before recovery operation starts.	___	___
5. Established communications between vehicles. a. Observed ground guide while operating recovery equipment. b. Ensured proper speed limit was followed.	___	___
6. Recovered mired vehicle ensuring that all safety practices were followed. a. Ensured proper safety equipment was used. b. Ensured proper hands signals were used during recovery.	___	___
7. Secured recovery equipment. a. Disconnected and stowed rigging equipment. b. Performed after-operations PMCS. c. Annotated any deficiencies on appropriate forms, if needed.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 385-10	
AR 750-10	
AR 750-43	
DA PAM 750-8	
TM 9-2350-256-10	
TM 9-2350-256-20-1	
TM 9-2350-256-20-2	
TM 9-2350-256-24P-1	
TM 9-2350-256-24P-2	

Recover an Overturned Tracked Vehicle

091-H8T-2010

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, and related references.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: Recover the vehicle from the overturned position in accordance with applicable technical publications. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
   a. Ensure appropriate TM is used.
   b. Follow steps outlined in TM.

2. Position recovery vehicle.
   a. Follow vehicle operating instructions outlined in TM.
   b. Carefully position recovery vehicle while adhering to safe driving habits.

3. Attach cable to the overturned vehicle.
   a. Ensure proper safety equipment is used.
   b. Inspect cable for broken strands or kinks.
   c. Remove any loops from cable while it is slack.
   d. Ensure shackles and pins are properly secured.

4. Prepare recover vehicle for recovery operations.
   a. Ensure recovery vehicle is upright.
   b. Set up recovery controls.

5. Establish communication with ground guide.
   a. Use proper hand signals.
   b. Keep contact with ground guide at all times.

6. Recover overturned vehicle, ensuring that all safety practices are followed.
   a. Ensure all observing personnel are out of area of projection.
   b. Follow overturned vehicle operating instructions outlined in TM.

7. Secure recovery equipment.
   a. Follow procedures outlined in TM.
   b. Disconnect and stow rigging equipment.
   c. Perform after-operations preventive maintenance checks and services (PMCS).
   d. Annotate any deficiencies on appropriate forms, if needed.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable publications.	____	____

Performance Measures	GO	NO-GO
a. Ensured appropriate TM was used. b. Followed steps outlined in TM.		
2. Positioned recovery vehicle. a. Followed vehicle operating instruction outlined in TM. b. Carefully positioned recovery vehicle while adhering to safe driving habits.	___	___
3. Attached cables to the overturned vehicle. a. Ensured proper safety equipment is used. b. Inspected cable for broken stands or kinks. c. Removed any loops from cable while it is slack. d. Ensured shackles and pins are properly secured.	___	___
4. Prepared recovery vehicle for recovery operations. a. Ensured recovery vehicle is upright. b. Set up recovery controls.	___	___
5. Established communications with ground guide. a. Used proper hand signals. b. Kept contact with ground guide at all times.	___	___
6. Recovered overturned vehicle, ensuring that all safety practices were followed. a. Ensured all observing personnel are out of area of projection. b. Followed overturned vehicle operating instructions outlined in TM.	___	___
7. Secured recovery equipment. a. Followed procedures outlined in TM. b. Disconnected and stowed rigging equipment. c. Performed after-operations PMCS. d. Annotated any deficiencies on appropriate forms, if needed.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-256-10	AR 385-10
TM 9-2350-256-20-1	AR 750-1
	AR 750-10
	AR 750-43

Tow a Tracked Vehicle on Improved/Highway Surface

091-H8T-2011

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, Field Manual (FM) 5-125, Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, TM 9-2350-256-24P-1, TM 9-2350-256-24P-2, and related references.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: Lift and tow a disabled vehicle in accordance with applicable technical publications, procedures, and specifications. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
   a. Ensured appropriate TM is used.
   b. Followed steps outlined in TM.

2. Determine method for towing.
   a. Follow steps outlined in TM.
   b. Ensure appropriate basic issue items (BII) and test, measurement, and diagnostic equipment (TMDE) are used.

3. Prepare vehicle for towing.
   a. Ensure parking brake is disengaged.
   b. Estimate the situation to determine resistance.
   c. Compute the total resistance.

4. Hook up vehicle for towing.
   a. Ensure appropriate hook up devices are used.
   b. Verify procedures while securing hook attachment to disabled vehicle.

5. Follow prescribed safety procedures.
   a. Follow safety procedures outlined in TM.
   b. Ensure safety equipment is used.

6. Establish communication between vehicles.
   a. Observe ground guide while operating vehicle and equipment.
   b. Ensure proper speed limit is followed.

7. Tow vehicle to predetermined site.
   a. Maintain proper speed limit.
   b. Ensure emergency equipment and tow lights are operable.

8. Disconnect vehicle.
   a. Ensure parking brake is engaged.
   b. Disconnect emergency equipment and tow lights.
   c. Store equipment.
   d. Conduct after-operations preventive maintenance checks and services (PMCS).
   e. Annotate any deficiencies on appropriate paperwork, if needed.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any

electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable publications. a. Ensured appropriate TM was used. b. Followed steps outlined in TM.	___	___
2. Determined method for towing. a. Followed steps outlined in TM. b. Ensured appropriate BII and TMDE were used.	___	___
3. Prepared vehicle for towing. a. Ensured parking brake was disengaged. b. Estimated the situation to determine resistance.	___	___
4. Hooked up vehicle for towing. a. Ensured appropriate hook up devices were used. b. Verified procedures while securing hook attachment to disabled vehicle.	___	___
5. Followed prescribed safety procedures. a. Followed safety procedures outlined in TM. b. Ensured safety equipment was used.	___	___
6. Established communications between vehicles. a. Observed ground guide while operating vehicle and equipment. b. Ensure proper speed limit was followed.	___	___
7. Towed vehicle to predetermined site. a. Maintained proper speed limit. b. Ensured emergency equipment and tow lights were operable.	___	___
8. Disconnected vehicle. a. Ensured parking brake was engaged. b. Disconnected emergency equipment and tow lights. c. Stored equipment. d. Conducted after-operations PMCS. e. Annotated any deficiencies on appropriate paperwork, if needed.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
FM 5-125	AR 385-10
TM 9-2350-256-10	AR 750-1
TM 9-2350-256-20-1	AR 750-43
TM 9-2350-256-24P-1	TM 9-243
TM 9-2350-256-24P-2	TM 9-8000

Tow of a Tracked Vehicle Cross Country

091-H8T-2012

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, Field Manual (FM) 5-125, Technical Manual (TM) 9-2350-256-10, and related references.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: Tow a disabled vehicle to a predetermined location without causing damage to the equipment or injury to personnel in accordance with applicable publications. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
   a. Ensure appropriate TM is used.
   b. Verify procedures while performing cross country towing of a tracked vehicle.

2. Follow prescribed safety procedures.
   a. Follow prescribed safety procedures outlined in TM.
   b. Follow safety guidelines for specified terrain.

3. Position recovery vehicle.
   a. Ensure ground guide is used.
   b. Carefully position recovery vehicle while adhering to safe driving habits.

4. Prepare recovery vehicle for towing.
   a. Ensure parking brake is not engaged.
   b. Follow vehicle towing operating instructions outlined in TM.
   c. Use applicable shackles and recovery equipment.
   d. Estimate the situation and load resistance.

5. Prepare recovery vehicle for towing operation.
   a. Ensure appropriate hook up devices are used.
   b. Follow vehicle towing operating instructions outlined in TM.

6. Attach towing bar to disabled vehicle.
   a. Inspect towing equipment for missing parts.
   b. Ensure appropriate tow equipment is used.

7. Operate boom.
   a. Ensure all personnel are out of area of projection.
   b. Follow vehicle boom operating instructions outlined in TM.

8. Tow disabled vehicle.
   a. Ensure no objects are under or around vehicle.
   b. Maintain appropriate speed while towing vehicle.

9. Disconnect towed vehicle.
   a. Ensure all safety precautions are used when disconnecting tow equipment.
   b. Ensure parking brake is engaged on vehicle.
   c. Conduct after-operations preventive maintenance checks and services (PMCS).
   d. Annotate any deficiencies on appropriate paperwork, if needed.

10. Secure recovery equipment.
    a. Store all recovery equipment in appropriate basic issue items (BII) storage.

Performance Steps

b. Ensure all equipment is cleaned before storing.
c. Ensure all recovery equipment is accounted for.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable publications. a. Ensured appropriate TM was used. b. Verified procedures while performing cross country towing of a tracked vehicle.	____	____
2. Followed prescribed safety procedures. a. Followed prescribed safety procedures outlined in TM. b. Followed safety guidelines for specific terrain.	____	____
3. Positioned recovery vehicle. a. Ensure ground guide was used. b. Carefully positioned recovery vehicle while adhering to safe driving habits.	____	____
4. Prepared vehicle for towing. a. Ensured parking brake was not engaged. b. Followed vehicle towing operating instructions outlined in TM. c. Used applicable shackles and recovery equipment. d. Estimated the situation and load resistance.	____	____
5. Prepared recovery vehicle for towing operation. a. Ensured appropriate hook up devices were used. b. Followed vehicle towing operating instructions outlined in TM.	____	____
6. Attached towing bar to disabled vehicle. a. Inspected towing equipment for missing parts. b. Ensured appropriate tow equipment was used.	____	____
7. Operated boom. a. Ensured all personnel were out of area of projection. b. Followed vehicle boom operating instructions outlined in TM.	____	____
8. Towed disabled vehicle. a. Ensured no objects were under or around vehicle. b. Maintained appropriate speed while towing vehicle.	____	____
9. Disconnected towed vehicle. a. Ensured all safety precautions were used when disconnecting tow equipment. b. Ensured parking brake was engaged on vehicle. c. Conducted after-operations PMCS. d. Annotated any deficiencies on appropriate paperwork, if needed.	____	____
10. Secured recovery equipment. a. Stored all equipment in appropriate BII storage. b. Ensured all equipment was cleaned before storing. c. Ensured all recovery equipment was accounted for.	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
FM 5-125	AR 385-10
TM 9-2350-256-10	AR 750-1
	AR 750-43
	TM 9-243
	TM 9-8000

Complete Field Expedient Recovery on a Tracked Vehicle

091-H8T-2013

Conditions: In a contemporary operational environment (COE) given a representative tracked vehicle (M88 series), required materials, general mechanic's tool kit, Technical Manual (TM) 9-2350-256-10, TM 9-2350-256-20-1, and related references.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: Recover the vehicle using self/field expedient procedures in accordance with applicable technical publications. When this task is complete, the vehicle is fully mission capable or maintenance actions required to be performed by other than H8 skill levels (SLs) 1/2 personnel has been identified.

Performance Steps

1. Select and use applicable publications.
   a. Identify which TM is used.
   b. Follow steps outlined in TM.

2. Determine method of field expedient recovery.
   a. Diagnose vehicle malfunction to determine action to be performed.
   b. Verify proper tools are available to perform action.

3. Prepare vehicle for field expedient recovery, as required.
   a. Ensure all safety precautions are used.
   b. Verify procedures while preparing vehicle for field expedient recovery.

4. Perform vehicle field expedient recovery.
   a. Obtain proper resistance.
   b. Check all rigging equipment.
   c. Coordinate with maintenance support team (MST) to provide technical assistance.
   d. Ensure all maintenance forms are filled out.

5. Secure recovery equipment.
   a. Disconnect recovery equipment.
   b. Verify procedures while securing recovery equipment.
   c. Ensure all recovery equipment is accounted for.

6. Follow prescribed safety procedures.
   a. Follow all safety procedures outlined in TM.
   b. Follow all safety procedures outlined in unit standing operating procedure (SOP).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable publications. a. Identified which TM was used. b. Followed steps outlined in TM.	____	____
2. Determined method of field expedient recovery. a. Diagnosed vehicle malfunction to determine action to be performed.	____	____

Performance Measures	GO	NO-GO
b. Verified proper tools were available to perform action.		
3. Prepared vehicle for field expedient recovery, as required.	___	___
a. Ensured all safety precautions were used.		
b. Verified procedures while preparing vehicle for field expedient recovery.		
4. Performed vehicle field expedient recovery.	___	___
a. Obtained proper resistance.		
b. Checked all rigging equipment.		
c. Coordinated with MST to provide technical assistance.		
d. Ensured all maintenance forms were filled out.		
5. Secured recovery equipment.	___	___
a. Disconnect recovery equipment.		
b. Verified procedures while securing recovery equipment.		
c. Ensured all recovery equipment was accounted for.		
6. Followed prescribed safety procedures.	___	___
a. Followed all safety precautions outlined in TM.		
b. Followed all safety procedures outlined in unit SOP.		

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-256-10	AR 385-10
TM 9-2350-256-20-1	AR 750-1
	AR 750-43

Maintain Charging System on a Tracked Recovery Vehicle

091-H8T-2014

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M88 Series Tracked Recovery Vehicle, general mechanic's tool kit, special tools, test, measurement, and diagnostic equipment (TMDE), safety equipment, required references, student handouts, and an awareness of the contemporary operational environment (COE) variable and factors.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: As a group, complete the practical exercise, "Maintain Charging System on a Tracked Recovery Vehicle", in accordance with the applicable technical publications, practical exercise checklist, and student supplements within the time allotted. When this practical exercise is complete, all performance measures must be met and the system must be fully operational. An instructor will verify your group's work upon completion of this practical exercise.

Performance Steps

1. Select and use applicable publications.
   a. Identify which technical manual to be used.
   b. Follow steps outlined in technical manual for charging system.
2. Inventory and determine serviceability of BII and TMDE.
   a. Ensure all tools are serviceable.
   b. Identify appropriate tools in BII.
3. Check all electrical connections.
   a. Follow procedures outlined in technical manual.
   b. Replace any worn parts.
4. Perform diagnostic procedures on charging system.
   a. Conduct a risk assessment.
   b. Follow steps outlined in technical manual.
5. Follow prescribed safety procedures.
   a. Follow safety precautions outlined in technical manual.
   b. Follow safety guidelines outlined in unit SOP.
6. Complete TAMMS forms as required.
   a. Annotate any deficiencies on appropriate forms.
   b. Ensure forms are in accordance with DA Pamphlet 738-751 and DA Pamphlet 750-8.
7. Maintain tools and equipment.
   a. Ensure all BII is accounted for.
   b. Ensure all tools are cleaned and stored properly.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable publications. a. Identified which technical manual was used.	____	____

Performance Measures	GO	NO-GO
b. Followed steps outlined in technical manual for charging system.		
2. Inventoried and determined serviceability of BII and TMDE. a. Ensured all tools were serviceable. b. Identified appropriate tools in BII.	___	___
3. Checked all electrical connections. a. Followed procedures outlined in technical manual. b. Replaced any worn parts.	___	___
4. Performed diagnostic procedures on charging system. a. Conducted a risk assessment. b. Followed steps outlined in technical manual.	___	___
5. Followed prescribed safety procedures. a. Followed safety precautions outlined in technical manual. b. Followed safety guidelines outlined in unit SOP.	___	___
6. Completed TAMMS forms as required. a. Annotated any deficiencies on appropriate forms. b. Ensured forms were in accordance with DA Pamphlet 738-751 and DA Pamphlet 750-8.	___	___
7. Maintained tools and equipment. a. Ensured BII was accounted for. b. Ensured all tools were cleaned and stored properly.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA PAM 738-751	AR 385-10
DA PAM 750-8	AR 750-1
EM 0266	AR 750-43
FM 5-125	
TM 9-2350-256-10	
TM 9-2350-256-20	
TM 9-2350-256-20-1	
TM 9-2350-256-20-2	
TM 9-2350-256-24P-1	
TM 9-2350-256-24P-2	
TM 9-2350-292-10	
TM 9-2350-292-14&P	

Maintain Starting System on a Tracked Recovery Vehicle
091-H8T-2015

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M88 Series Tracked Recovery Vehicle, general mechanic's tool kit, special tools, test, measurement, and diagnostic equipment (TMDE), safety equipment, required references, student handouts, and an awareness of the contemporary operational environment (COE) variable and factors.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: As a group, complete the practical exercise, "Maintain Starting System on a Tracked Recovery Vehicle", in accordance with the applicable technical publications, practical exercise checklist, and student supplements within the time allotted. When this practical exercise is complete, all performance measures must be met and the system must be fully operational. An instructor will verify your group's work upon completion of this practical exercise.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate technical manual (TM).
   b. Follow steps outlined in TM.
2. Inventory and determine appropriate basic issue items (BII) and TMDE.
   a. Ensure all tools are serviceable.
   b. Identify appropriate tools in BII.
3. Check all electrical connections.
   a. Follow procedures outlined in TM.
   b. Replace any worn parts.
4. Perform diagnostic procedures for starting system.
   a. Follow procedures outlined in TM.
   b. Adjust alternator, if needed.
   c. Adjust belt tension, if needed.
5. Follow prescribed safety procedures.
   a. Follow safety procedures outlined in TM.
   b. Follow safety guidelines outlined in unit standing operating procedure (SOP).
6. Complete all applicable forms.
   a. Annotate any deficiencies on appropriate forms.
   b. Ensure forms are in accordance with DA Pamphlet 738-751 and DA Pamphlet 750-8.
7. Maintain tool and equipment.
   a. Ensure all BII is accounted for.
   b. Ensure all tools are cleaned and serviceable.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable publications. a. Identified appropriate technical manual (TM). b. Followed steps outlined in TM.	____	____
2. Inventoried and determined appropriate basic issue items (BII) and TMDE. a. Ensured all tools were serviceable. b. Identified appropriate tools in BII.	____	____
3. Checked all electrical connections.	____	____

Performance Measures	GO	NO-GO
a. Followed procedures outlined in TM. b. Replaced any worn parts.		
4. Performed diagnostic procedures for starting system a. Followed procedures outlined in TM. b. Adjusted alternator, if required. c. Adjusted belt tension, if needed.	___	___
5. Followed prescribed safety procedures. a. Followed safety procedures outlined in TM. b. Followed safety guidelines outlined in unit standing operating procedure (SOP).	___	___
6. Completed all applicable forms. a. Annotated any deficiencies on appropriate forms. b. Ensured forms are in accordance with DA Pamphlet 738-751 and DA Pamphlet 750-8.	___	___
7. Maintained tools and equipment. a. Ensured all BII was accounted for. b. Ensured all tools were cleaned and serviceable.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA PAM 738-751	AR 385-10
DA PAM 750-8	AR 750-1
EM 0266	AR 750-43
FM 5-125	
TM 9-2350-256-10	
TM 9-2350-256-20	
TM 9-2350-256-24P-1	
TM 9-2350-256-24P-2	
TM 9-2350-292-10	
TM 9-2350-292-14&P	

Maintain Auxiliary Power Unit (APU) on a Tracked Recovery Vehicle
091-H8T-2016

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M88 Series Tracked Recovery Vehicle, general mechanic's tool kit, special tools, test, measurement, and diagnostic equipment (TMDE), safety equipment, required references, student handouts, and an awareness of the contemporary operational environment (COE) variable and factors.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: As a group, complete the practical exercise, "Maintain Auxiliary Power Unit (APU) on a Tracked Recovery Vehicle", in accordance with the applicable technical publications, practical exercise checklist, and student supplements within the time allotted. When this practical exercise is complete, all performance measures must be met and the system must be fully operational. An instructor will verify your group's work upon completion of this practical exercise.

Performance Steps

1. Select and use applicable publications.
   a. Identify which technical manual will be used.
   b. Follow steps outlined in technical manual.
2. Inventory BII and TMDE.
   a. Ensure all tools are serviceable.
   b. Identify which tools will be used.
3. Practice maintenance discipline.
   a. Follow safety guidelines for motor-pool.
   b. Ensure proper safety equipment is utilized.
4. Inspect vehicle APU components.
   a. Ensure there is no visible damage to components.
   b. Follow procedures outlined in technical manual.
5. Follow prescribed safety procedures.
   a. Follow safety precautions outlined in technical manual.
   b. Follow safety guidelines outlined in unit SOP.
6. Clean vehicle APU mounting components.
   a. Clean debris that will cause damage to vehicle and system.
   b. Inspect for damage to gaskets or seals.
7. Replace APU components, as required.
   a. Use appropriate tools.
   b. Disconnect electrical connections.
   c. Tag and label parts for turn-in, if required.
8. Perform final operational check to verify system is operational.
   a. Follow steps outlined in technical manual.
   b. Annotate any deficiencies on applicable forms, if needed.
9. Maintain tools and equipment.
   a. Ensure all BII is accounted for.
   b. Ensure all tools are cleaned and stored properly.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable publications.	____	____

Performance Measures	GO	NO-GO
a. Identified which technical manual was used. b. Followed steps outlined in technical manual.		
2. Inventoried BII and TMDE. a. Ensured all tools were serviceable. b. Identified which tools were used.	___	___
3. Practiced maintenance discipline. a. Followed safety guidelines for motor-pool. b. Ensured proper safety equipment is utilized.	___	___
4. Inspected vehicle APU components. a. Ensured there was no visible damage to components. b. Followed procedures outlined in technical manual.	___	___
5. Followed prescribed safety procedures. a. Followed safety precautions outlined in technical manual. b. Followed safety guidelines outlined in unit SOP.	___	___
6. Cleaned vehicle APU mounting components. a. Cleaned debris that will cause damage to vehicle and system. b. Inspected for damage to gaskets and seals.	___	___
7. Replaced APU components, if required. a. Used appropriate tools. b. Disconnected electrical connections. c. Tagged and labeled parts for turn-in, if required.	___	___
8. Performed final operational check to verify system was operational. a. Followed steps outlined in technical manual. b. Annotated any deficiencies on applicable forms, if needed.	___	___
9. Maintained tools and equipment. a. Ensured BII was accounted for. b. Ensured all tools are cleaned and stored properly.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
EM 0266	AR 385-10
FM 5-125	AR 750-1
TM 9-2350-256-10	AR 750-43
TM 9-2350-256-20	
TM 9-2350-292-10	
TM 9-2350-292-14&P	

Maintain Brake System on a Tracked Recovery Vehicle

091-H8T-2017

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M88 Series Tracked Recovery Vehicle, general mechanic's tool kit, special tools, test, measurement, and diagnostic equipment (TMDE), safety equipment, required references, student handouts, and an awareness of the contemporary operational environment (COE) variable and factors.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: As a group, complete the practical exercise, "Maintain Brake System on a Tracked Recovery Vehicle", in accordance with the applicable technical publications, practical exercise checklist, and student supplements within the time allotted. When this practical exercise is complete, all performance measures must be met and the system must be fully operational. An instructor will verify your group's work upon completion of this practical exercise.

Performance Steps

1. Select and use applicable publications.
   a. Identify which technical manual will be used.
   b. Follow steps outlined in technical manual.

2. Select and use correct tools and TMDE.
   a. Identify applicable tools in BII.
   b. Ensure tools are serviceable.

3. Follow prescribed safety procedures.
   a. Follow procedures outlined in technical manual.
   b. Follow safety precautions outlined in unit SOP.

4. Practice maintenance discipline.
   a. Follow safety guidelines outlined in motor-pool.
   b. Ensure proper safety equipment is used, if needed.

5. Inspect vehicle brake system components.
   a. Follow steps outlined in technical manual.
   b. Check vehicle for leaks.
   c. Check for missing components.

6. Replace vehicle brake system components, if required.
   a. Remove damage components, if required.
   b. Tag and label part for turn-in.

7. Perform final operational inspection.
   a. Ensure parts are tightened to specification.
   b. Verify fault was correct, if required.
   c. Take vehicle on a road test and perform PMCS.

8. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure all tools and equipment are cleaned properly.

9. Complete DA Form 5988-E, if required.
   a. Annotate faults corrected on applicable forms.
   b. Ensure paperwork gets turned-in to ULLS clerk.

Performance Measures	GO	NO-GO
1. Selected and used applicable publications. a. Identified which technical manual was used. b. Followed steps outlined in technical manual.	___	___
2. Selected and used correct tools and TMDE. a. Identified applicable tools in BII. b. Ensured tools were serviceable.	___	___
3. Followed prescribed safety procedures. a. Followed procedures outlined in technical manual. b. Followed safety precautions outlined in unit SOP.	___	___
4. Practiced maintenance discipline. a. Followed safety guidelines outlined in motor-pool. b. Ensured proper safety equipment was used, if needed.	___	___
5. Inspected vehicle brake system components. a. Followed steps outlined in technical manual. b. Checked vehicle for leaks. c. Checked for missing components.	___	___
6. Replaced vehicle brake system components, if required. a. Removed damaged components, if required. b. Tagged and labeled parts for turn-in.	___	___
7. Performed final operational inspection. a. Ensured parts are tightened to specification. b. Verified fault was corrected, if required. c. Took vehicle on a road test and performed PMCS.	___	___
8. Maintained tools and equipment. a. Ensured all tools were accounted for. b. Ensured all tools and equipment were cleaned properly.	___	___
9. Completed DA Form 5988-E, if required. a. Annotated faults corrected on applicable forms. b. Ensured paperwork got turned-in to ULLS clerk.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
EM 0266	AR 385-10
FM 5-125	AR 750-1
TM 9-2350-256-10	AR 750-43
TM 9-2350-256-20	
TM 9-2350-292-10	
TM 9-2350-292-14&P	

Maintain Nose Cone Assembly on a Tracked Recovery Vehicle

091-H8T-2018

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M88 Series Tracked Recovery Vehicle, general mechanic's tool kit, special tools, test, measurement, and diagnostic equipment (TMDE), safety equipment, required references, student handouts, and an awareness of the contemporary operational environment (COE) variable and factors.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: As a group, complete the practical exercise, "Maintain Nose Cone Assembly on a Tracked Recovery Vehicle", in accordance with the applicable technical publications, practical exercise checklist, and student supplements within the time allotted. When this practical exercise is complete, all performance measures must be met and the system must be fully operational. An instructor will verify your group's work upon completion of this practical exercise.

Performance Steps

1. Select and use applicable publications.
   a. Identify which technical manual will be used.
   b. Follow steps outlined in technical manual.

2. Select and use correct tools and TMDE.
   a. Identify applicable tools in BII.
   b. Ensure serviceability of tools.

3. Follow prescribed safety procedures
   a. Follow procedures outlined in technical manual.
   b. Follow safety precautions outlined in unit SOP.

4. Practice maintenance discipline.
   a. Follow safety guidelines outlined in motor-pool.
   b. Ensure proper safety equipment is used.

5. Inspect vehicle Nose crane assembly and winch,
   a. Follow steps outlined in technical manual.
   b. Check assembly for serviceability.
   c. Check for missing components.

6. Replace nose crane assembly components, if required.
   a. Follow steps outlined in technical manual.
   b. Use proper tools for specified job.
   c. Remove any damaged components.
   d. Tag and label broken components for turn-in, if needed.

7. Perform operational inspection.
   a. Ensure parts are tightened to specification.
   b. Verify fault was corrected, if required.

8. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are cleaned properly.

9. Complete DA Form 5988-E, if required.
   a. Annotate fault corrected on applicable forms.
   b. Ensure paperwork gets turned-in to ULLS clerk.

Performance Measures	GO	NO-GO
1. Selected and used applicable publications. a. Identified which technical manual was used. b. Followed steps outlined in technical manual.	___	___
2. Selected and used correct tools and TMDE. a. Identified applicable tools in BII. b. Ensure serviceability of tools.	___	___
3. Followed prescribed safety procedures. a. Followed procedures outlined in technical manual. b. Followed safety precautions outlined in unit SOP.	___	___
4. Practiced maintenance discipline. a. Followed safety guidelines outlined in motor-pool. b. Ensured proper safety equipment was used.	___	___
5. Inspected vehicle Nose crane assembly and winch. a. Followed steps outlined in technical manual. b. Checked assembly for serviceability. c. Checked for missing components.	___	___
6. Replaced nose crane assembly components, if required. a. Followed steps outlined in technical manual. b. Used proper tools for specified job. c. Removed any damaged components. d. Tagged and labeled broken components for turn-in, if needed.	___	___
7. Performed operational inspection. a. Ensured parts were tightened to specification. b. Verified fault was corrected, if required.	___	___
8. Maintained tools and equipment. a. Ensured all tools were accounted for. b. Ensured tools and equipment were cleaned properly.	___	___
9. Completed DA Form 5988-E, if required. a. Annotated fault corrected on applicable forms. b. Ensured paperwork got turned-in to ULLS Clerk.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
EM 0266	AR 385-10
FM 5-125	AR 750-1
TM 9-2350-256-10	AR 750-43
TM 9-2350-256-20	
TM 9-2350-292-10	
TM 9-2350-292-14&P	

Maintain Micro Switches on a Tracked Recovery Vehicle

091-H8T-2019

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M88A2 Tracked Recovery Vehicle, general mechanic's tool kit, special tools, test, measurement, and diagnostic equipment (TMDE), safety equipment, required references, student handouts, and an awareness of the contemporary operational environment (COE) variable and factors.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: As a group, complete the practical exercise, "Maintain Micro Switches on a M88A2 Tracked Recovery Vehicle", in accordance with the applicable technical publications, practical exercise checklist, and student supplements within the time allotted. When this practical exercise is complete, all performance measures must be met and the system must be fully operational. An instructor will verify your group's work upon completion of this practical exercise.

Performance Steps

1. Select and use applicable publication.
   a. identify which technical manual will be used.
   b. Follow steps outlined in technical manual.

2. Follow prescribed safety procedures.
   a. Follow procedures outlined in technical manual.
   b. Follow safety procedures outlined in unit SOP.

3. Practice maintenance discipline.
   a. Follow safety guidelines outlined in motor-pool.
   b. Ensure proper safety equipment is used.

4. Inspect vehicle micro switches.
   a. Follow steps outlined in technical manual.
   b. Disconnect batteries, if needed.
   c. Check for missing parts.

5. Replace micro switches, if required.
   a. Follow steps outlined in technical manual.
   b. Use proper tools for specified job.
   c. Remove any damaged parts.
   d. Tag and label any broken or worn parts for turn-in.

6. Perform operational inspection.
   a. Ensure batteries are connected.
   b. Ensure switches are properly functioning.

7. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Clean and store tools properly.

8. Complete DA Form 5988-E, as required.
   a. Annotate fault corrected on applicable forms.
   b. Ensure paperwork gets turned-in to ULLS clerk.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable publications. a. Identified which technical manual was used. b. Followed steps outlined in technical manual.	____	____

Performance Measures	GO	NO-GO
2. Followed prescribed safety procedures. a. Followed procedures outlined in technical manual. b. Followed safety procedures outlined in unit SOP.	___	___
3. Practiced maintenance discipline. a. Followed procedures outlined in motor-pool. b. Ensured proper safety equipment was used.	___	___
4. Inspected vehicle micro switches. a. Followed steps outlined in technical manual. b. Disconnected batteries, if required. c. Checked for missing parts. d. Tagged and labeled any broken or worn parts for turn-in.	___	___
5. Replaced micro switches, if required. a. Followed steps outlined in technical manual. b. Used proper tools for specified job. c. Removed any damaged parts. d. Tagged and labeled any broken parts for turn-in.	___	___
6. Performed operational inspection. a. Ensured batteries were connected. b. Ensured switches were properly functioning.	___	___
7. Maintained tools and equipment. a. Ensured all tools are accounted for. b. Cleaned and stored tools properly.	___	___
8. Completed DA Form 5988-E, as required. a. Annotated fault corrected on applicable forms. b. Ensured paperwork got turned-in to ULLS clerk.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
EM 0266	AR 385-10
FM 5-125	AR 750-1
TM 9-2350-256-10	AR 750-43
TM 9-2350-292-10	
TM 9-2350-292-14&P	

Perform Winch Ground Hop Procedures on a Tracked Recovery Vehicle

091-H8T-2020

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M88A2 Tracked Recovery Vehicle, general mechanic's tool kit, special tools, test, measurement, and diagnostic equipment (TMDE), safety equipment, required references, student handouts, and an awareness of the contemporary operational environment (COE) variable and factors.

Note: If representative equipment is not available, use applicable equipment and associated references.

Standards: As a group, complete the practical exercise, "Perform Winch Ground Hop Procedures on a Tracked Recovery Vehicle", in accordance with the applicable technical publications, practical exercise checklist, and student supplements within the time allotted. When this practical exercise is complete, all performance measures must be met and the system must be fully operational. An instructor will verify your group's work upon completion of this practical exercise.

Performance Steps

1. Select and use applicable publication.
   a. Identify which technical manual (TM) will be used.
   b. Follow steps outlined in TM.

2. Follow prescribed safety procedures.
   a. Follow procedures outlined in TM.
   b. Followed safety procedures outlined in unit standing operating procedure (SOP).

3. Practice maintenance discipline.
   a. Follow safety guidelines outlined in motor pool.
   b. Ensure proper protective gear is used.

4. Perform ground hop procedures.
   a. Ensure all leads are connected.
   b. Follow steps outlined in TM.
   c. Use appropriate tools for specified job.
   d. Tag and label any broken or worn parts for turn-in.

5. Perform operational inspection.
   a. Conduct inspection of vehicle and parts for serviceability.
   b. Conduct a preventive maintenance checks and services (PMCS).

6. Complete DA Form 5988-E (Equipment Inspection Maintenance Worksheet), as required.
   a. Annotate any deficiencies on applicable forms.
   b. Ensure forms are in accordance with DA Pamphlet 738-751 and DA Pamphlet 750-8.
   c. Ensure paperwork gets turned-in to Unit Level Logistics System (ULLS) clerk.

7. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Clean and store tools properly.
   c. Ensure tools and equipment are cleaned and serviceable.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable publications. a. Identified which technical manual (TM) was used. b. Followed steps outlined in TM.	____	____
2. Followed prescribed safety procedures. a. Followed procedures outlined in TM.	____	____

Performance Measures	GO	NO-GO
b. Followed safety procedures outlined in unit standing operating procedure (SOP).		
3. Practiced maintenance discipline. a. Followed safety guidelines outlined in motor pool. b. Ensured proper protective gear is used.	___	___
4. Performed ground hop procedures. a. Ensured all leads were connected. b. Followed steps outlined in TM. c. Used appropriate tools for specified job. d. Tagged and labeled any broken or worn parts for turn-in.	___	___
5. Performed operational inspection. a. Conducted inspection of vehicle and parts for serviceability. b. Conducted a preventive maintenance checks and services (PMCS).	___	___
6. Completed DA Form 5988-E (Equipment Inspection Maintenance Worksheet), as required. a. Annotated any deficiencies on applicable forms. b. Ensured forms are in accordance with DA Pamphlet 738-751 and DA Pamphlet 750-8. c. Ensured paperwork gets turned-in to Unit Level Logistics System (ULLS) clerk.	___	___
7. Maintained tools and equipment. a. Ensured all tools are accounted for. b. Cleaned and stored tools properly. c. Ensured tools and equipment were cleaned and serviceable.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA PAM 738-751	AR 385-10
DA PAM 750-8	AR 750-1
EM 0266	AR 750-43
FM 5-125	
TM 9-2350-256-10	
TM 9-2350-292-10	
TM 9-2350-292-14&P	

Subject Area 5: M1A2 SEP TASKS (ASI-K4 ONLY)

Perform Plumb and Synchronization Procedures
091-AK4-0079

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capability; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Perform plumb and synchronization procedures in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each MOS and skill level.) When this task is completed, the vehicle or equipment must be fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel must be identified.

Performance Steps

1. Select and use applicable publications.
2. Select and use proper tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Describe how systems and components operate and function.
5. Inspect systems and components.
6. Perform Plumb and Synchronization procedures.
7. Make necessary adjustments, as required.
8. Verify procedure is performed correctly.
9. Perform a final operational test to verify Perform Plumb and Synchronization procedures are corrected to specification.
10. Annotate corrective actions taken on DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
11. Maintain tools and equipment.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable publications.	____	____
2. Selected and used proper tools and TMDE.	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Described how systems and components operated and functioned.	____	____
5. Inspected systems and components.	____	____

Performance Measures	GO	NO-GO
6. Performed Plumb and Synchronization procedures.	___	___
7. Made necessary adjustments, as required.	___	___
8. Verified procedure is performed correctly.	___	___
9. Performed a final operational test to verify Perform Plumb and Synchronization procedures are corrected to specification.	___	___
10. Annotated corrective actions taken on DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	___	___
11. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-288-24-2	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Hull Mission Processor Unit (HMPU)

091-AK4-0105

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Hull Mission Processor Unit in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupation specialty (MOS) and skill level.) When this task is completed, the vehicle or equipment must be fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Select and use applicable publications.
2. Select and use proper tools and test, measurement, and diagnostic equipment (TMDE).
3. Practice shop safety and maintenance discipline.
4. Describe how systems and components operate and function.
5. Inspect systems and components.
6. Troubleshoot systems and components.
7. Replace defective component(s).
8. Repair defective component(s).
9. Adjust systems and components.
10. Perform required preventive maintenance checks and services (PMCS).
11. Verify fault has been corrected.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable publications.	___	___
2. Selected and used proper tools and test, measurement, and diagnostic equipment (TMDE).	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Described how systems and components operated and functioned.	___	___
5. Inspected systems and components.	___	___
6. Troubleshoot systems and components.	___	___
7. Replaced defective component(s).	___	___

Performance Measures	GO	NO-GO
8. Repaired defective component(s).	___	___
9. Adjusted systems and components.	___	___
10. Performed required preventive maintenance checks and services (PMCS).	___	___
11. Verified fault had been corrected.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-288-24-1	
TM 9-2350-288-24-2	
TM 9-2350-288-24P-1	
TM 9-2350-288-24P-2	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Turret Mission Processor Unit (TMPU)

091-AK4-0106

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Turret Mission Processor Unit in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupation specialty (MOS) and skill level.) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Select and use applicable publications.
2. Select and use proper tools and test, measurement, and diagnostic equipment (TMDE).
3. Practice shop safety and maintenance discipline.
4. Describe how systems and components operate and function.
5. Inspect systems and components.
6. Troubleshoot systems and components.
7. Replace defective component(s).
8. Repair defective component(s).
9. Adjust systems and components.
10. Perform required preventive maintenance checks and services (PMCS).
11. Verify fault has been corrected.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable publications.	___	___
2. Selected and used proper tools and test, measurement, and diagnostic equipment (TMDE).	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Described how systems and components operated and functioned.	___	___
5. Inspected systems and components.	___	___
6. Troubleshoot systems and components.	___	___
7. Replaced defective component(s).	___	___

Performance Measures	GO	NO-GO
8. Repaired defective component(s).	___	___
9. Adjusted systems and components.	___	___
10. Performed required preventive maintenance checks and services (PMCS).	___	___
11. Verified fault had been corrected.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-288-24-1	
TM 9-2350-288-24-2	
TM 9-2350-288-24P-1	
TM 9-2350-288-24P-2	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Commanders Display Unit (CDU)
091-AK4-0107

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Commanders Display Unit (CDU) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Select and use applicable publications.
2. Select and use proper tools and test, measurement, and diagnostic equipment (TMDE).
3. Practice shop safety and maintenance discipline.
4. Describe how systems and components operate and function.
5. Inspect systems and components.
6. Troubleshoot systems and components.
7. Replace defective component(s).
8. Repair defective component(s).
9. Adjust systems and components.
10. Perform required preventive maintenance checks and services (PMCS).
11. Verify fault has been corrected.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable publications.	___	___
2. Selected and used proper tools and test, measurement, and diagnostic equipment (TMDE).	___	___
3. Practiced shop safety and maintenance discipline.	___	___
4. Described how systems and components operate and function.	___	___
5. Inspected systems and components.	___	___
6. Troubleshoot systems and components.	___	___
7. Replaced defective component(s).	___	___

Performance Measures	GO	NO-GO
8. Repaired defective component(s).	___	___
9. Adjusted systems and components.	___	___
10. Performed required preventive maintenance checks and services (PMCS).	___	___
11. Verified fault had been corrected.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-288-24-2	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Gunners Control Display Panel (GCDP)

091-AK4-0108

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Gunners Control Display Panel (GCDP) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection And Maintenance Worksheet)/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable technical manuals (TMs).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Diagnose malfunction annotated on DA Form 2404/DA Form 5988-E.
7. Correct malfunction in accordance with publications and TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault had been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 2404 (Equipment Inspection And Maintenance Worksheet)/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	____	____
4. Selected and used applicable technical manuals (TMs).	____	____
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	____	____

Performance Measures	GO	NO-GO
6. Diagnosed malfunction annotated on DA Form 2404/DA Form 5988-E.	___	___
7. Corrected malfunction in accordance with publications and TMs.	___	___
8. Performed all final checks to verify part is replaced to specifications.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-288-24-1	
TM 9-2350-288-24-2	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Commanders Electronic Unit (CEU)

091-AK4-0109

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Commanders Electronic Unit (CEU) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet)/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable technical manuals (TMs).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Diagnose malfunction annotate on DA Form 2404/DA Form 5988-E.
7. Correct malfunction in accordance with publications and TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault has been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet)/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	___	___
4. Selected and used applicable technical manuals (TMs).	___	___
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	___	___

Performance Measures	GO	NO-GO
6. Diagnosed malfunction annotated on DA Form 2404/DA Form 5988-E.	___	___
7. Corrected malfunction in accordance with publications and TMs.	___	___
8. Performed all final checks to verify part is replaced to specifications.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-288-24-1	
TM 9-2350-288-24-2	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Commanders Independent Thermal Viewer/Electronics (CITV/EU)

091-AK4-0111

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Commanders Independent Thermal Viewer/Electronics in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable technical manuals (TMs).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Diagnose malfunction annotated on DA Form 2404/DA Form 5988-E.
7. Correct malfunction in accordance with publications and TMs.
8. Perform all final checks to verify part is replaced to specifications
9. Verify fault had been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	____	____
4. Selected and used applicable technical manuals (TMs).	____	____
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	____	____

Performance Measures	GO	NO-GO
6. Diagnosed malfunction annotated on DA Form 2404/DA Form 5988-E.	___	___
7. Corrected malfunction in accordance with publications and TMs.	___	___
8. Performed all final checks to verify part is replaced to specifications	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-288-24-1	
TM 9-2350-288-24-2	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Commanders Independent Thermal Viewer (CITV)

091-AK4-0112

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Commander Independent Thermal Viewer (CITV) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable technical manuals (TMs).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Diagnose malfunction annotated on DA Form 2404/DA Form 5988-E.
7. Correct malfunction in accordance with publications and TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault had been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	____	____
4. Selected and used applicable technical manuals (TMs).	____	____
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	____	____

Performance Measures	GO	NO-GO
6. Diagnosed malfunction annotated on DA Form 2404/DA Form 5988-E.	___	___
7. Corrected malfunction in accordance with publications and TMs.	___	___
8. Performed all final checks to verify part is replaced to specifications.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-288-24-1	
TM 9-2350-288-24-2	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Commanders Control Handle Assembly (CCHA)

091-AK4-0114

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Commanders Control Handle Assembly in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and used applicable technical manuals (TMs).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Diagnose malfunction annotated on DA Form 2404/DA Form 5988-E.
7. Correct malfunction in accordance with publications and TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault had been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	____	____
4. Selected and used applicable technical manuals (TMs).	____	____
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	____	____

Performance Measures	GO	NO-GO
6. Diagnosed malfunction annotated on DA Form 2404/DA Form 5988-E.	___	___
7. Corrected malfunction in accordance with publications and TMs.	___	___
8. Performed all final checks to verify part is replaced to specifications.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Data/Utility Bus Couplers

091-AK4-0115

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Data/Utility Bus Couplers in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Select and use applicable technical manuals (TMs).
4. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Diagnose malfunction annotated on DA Form 2404/DA Form 5988-E.
7. Correct malfunction in accordance with publications and TMs.
8. Perform final operational check to verify parts were replaced in accordance with TMs.
9. Verify fault had been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Selected and used applicable technical manuals (TMs).	____	____
4. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	____	____
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	____	____

Performance Measures	GO	NO-GO
6. Diagnosed malfunction annotated on DA Form 2404/DA Form 5988-E.	___	___
7. Corrected malfunction in accordance with publications and TMs.	___	___
8. Performed final operational check to verify parts were replaced in accordance with TMs.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Position/Navigation System (POS/NAV) Using Built In Test (BIT) and Fault Isolation Test (FIT)

091-AK4-0116

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Position/Navigation System (POS/NAV) Using built in test (BIT) and fault isolation test (FIT) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable technical manuals (TMs).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Diagnose malfunction annotated on DA Form 2404/DA Form 5988-E.
7. Correct malfunction in accordance with publications and TMs.
8. Perform final operational check to verify parts were replaced in accordance with TMs.
9. Verify fault had been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	____	____
4. Selected and used applicable technical manuals (TMs).	____	____

Performance Measures	GO	NO-GO
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	___	___
6. Diagnosed malfunction annotated on DA Form 2404/DA Form 5988-E.	___	___
7. Corrected malfunction in accordance with publications and TMs.	___	___
8. Performed final operational check to verify parts were replaced in accordance with TMs.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Circuit Breaker System on the Soldier Machine Interface (SMI)

091-AK4-0117

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Circuit Breaker on the Soldier Machine Interface (SMI) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable technical manuals (TMs).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Diagnose malfunction annotated on DA Form 2404/DA Form 5988-E.
7. Correct malfunction in accordance with publications and TMs.
8. Perform final operational check to verify parts are replaced in accordance with TMs.
9. Verify fault has been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	___	___
4. Selected and used applicable technical manuals (TMs).	___	___
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	___	___

Performance Measures	GO	NO-GO
6. Diagnosed malfunction annotated on DA Form 2404/DA Form 5988-E.	___	___
7. Corrected malfunction in accordance with publications and TMs.	___	___
8. Performed final operational check to verify parts were replaced in accordance with TMs.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Second Generation Common Electronics Unit (SGCEU)

091-AK4-0118

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Second Generation Common Electronics Unit (SGCEU) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable technical manuals (TMs).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Remove and install components in accordance with TMs.
7. Inspect equipment and components in accordance with TMs.
8. Perform final operational check to verify parts are replaced in accordance with TMs.
9. Verify fault has been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	___	___
4. Selected and used applicable technical manuals (TMs).	___	___
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	___	___

Performance Measures	GO	NO-GO
6. Removed and installed components in accordance with TMs.	___	___
7. Inspected equipment and components in accordance with TMs.	___	___
8. Performed final operational check to verify parts were replaced in accordance with TMs.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Hull Power Distribution Unit (HPDU)

091-AK4-0119

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Hull Power Distribution Unit (HPDU) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable technical manuals (TMs).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Diagnose malfunction annotated on DA Form 2404/DA Form 5988-E.
7. Correct malfunction in accordance with publications and TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault had been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	____	____
4. Selected and used applicable technical manuals (TMs).	____	____
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	____	____

Performance Measures	GO	NO-GO
6. Diagnosed malfunction annotated on DA Form 2404/DA Form 5988-E.	___	___
7. Corrected malfunction in accordance with publications and TMs.	___	___
8. Performed all final checks to verify part is replaced to specifications.	___	___
9. Verified fault has been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Remote Switching Module (RSM)

091-AK4-0120

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Remote Switching Module (RSM) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable technical manuals (TMs).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Diagnose malfunction annotated on DA Form 2404/DA Form 5988-E.
7. Correct malfunction in accordance with publications and TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault has been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	____	____
4. Selected and used applicable technical manuals (TMs).	____	____
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	____	____

Performance Measures	GO	NO-GO
6. Diagnosed malfunction annotated on DA Form 2404/DA Form 5988-E.	___	___
7. Corrected malfunction in accordance with publications and TMs.	___	___
8. Performed all final checks to verify part was replaced to specifications.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Analog Input Module (AIM)

091-AK4-0121

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Analog Input Module in accordance with in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable technical manuals (TMs).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Diagnose malfunction annotated on DA Form 2404/DA Form 5988-E.
7. Correct malfunction in accordance with publications and TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault has been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	____	____
4. Selected and used applicable technical manuals (TMs).	____	____
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	____	____

Performance Measures	GO	NO-GO
6. Diagnosed malfunction annotated on DA Form 2404/DA Form 5988-E.	___	___
7. Corrected malfunction in accordance with publications and TMs.	___	___
8. Performed all final checks to verify part was replaced to specifications.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Turret Power Distribution System

091-AK4-0122

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capability; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Maintain Turret Power Distribution in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Perform administrative action.
   a. Select and use applicable technical manuals.
   b. Select and use applicable tools and TMDE
   c. Practice shop safety and maintenance discipline.
2. Maintain Turret Power Distribution System.
   a. Check for loose electrical connectors, obvious damage to harnesses and leaks.
   b. Ensure hydraulic pressure is at 1,500 psi and auxiliary hydraulic switch on.
3. Perform computer manual self test.
4. Inspect hydraulic hoses and hydraulic components for leaks.
5. Ensure task is performed to acceptable standards.
6. Lock main gun in travel lock.
7. Ensure tools and equipment are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Performed administrative action. a. Selected and used applicable technical manuals. b. Selected and used applicable tools and TMDE. c. Practiced shop safety and maintenance discipline.	____	____
2. Maintained Turret Power Distribution System. a. Checked for loose electrical connectors, obvious damage to harnesses and leaks. b. Ensured hydraulic pressure was at 1,500 psi and auxiliary hydraulic switch on.	____	____
3. Performed computer manual self test.	____	____
4. Inspected hydraulic hoses and hydraulic components for leaks.	____	____
5. Ensured task was performed to acceptable standards.	____	____

Performance Measures	GO	NO-GO
6. Locked main gun in travel lock.	___	___
7. Ensured tools and equipment were properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Drivers Integrated Display (DID)

091-AK4-0123

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capability; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Maintain Drivers Integrated Display (DID) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Perform administrative action.
   a. Practice shop safety and maintenance discipline.
   b. Select and use applicable TMs.
   c. Select and use applicable tools and TMDE.
2. Perform initial inspection of the Drivers Integrated Display.
3. Perform panel light test.
4. Check for malfunction and warning lights.
5. Diagnose malfunction annotated on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
6. Correct malfunction.
7. Verify fault has been corrected.
8. Maintain tools and equipment to prevent damage.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Performed administrative action. a. Practiced shop safety and maintenance discipline. b. Selected and used applicable TMs. c. Selected and used applicable tools and TMDE.	____	____
2. Performed initial inspection of the Drivers Integrated Display.	____	____
3. Performed panel light test.	____	____
4. Checked for malfunction and warning lights.	____	____
5. Diagnosed malfunction annotated on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	____	____

Performance Measures	GO	NO-GO
6. Corrected malfunction.	___	___
7. Verified fault had been corrected.	___	___
8. Maintained tools and equipment to prevent damage.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Global Positioning System (GPS)

091-AK4-0124

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capability; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); maintenance request or equipment inspection worksheet describing equipment malfunctions; applicable technical publications; and supervision/assistance.

Standards: Maintain Global Positioning System (GPS) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable TMs.
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Diagnose malfunction annotated on DA Form 2404/DA Form 5988-E.
7. Correct malfunction in accordance with publications and TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault has been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	___	___
4. Selected and used applicable TMs.	___	___
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	___	___

Performance Measures	GO	NO-GO
6. Diagnosed malfunction annotated on DA Form 2404/DA Form 5988-E.	___	___
7. Corrected malfunction in accordance with publications and TMs.	___	___
8. Performed all final checks to verify part was replaced to specifications.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Commander's Independent Thermal Viewer (CITV) Second Generation Servo Electronics Unit (SGSEU) (SEP)

091-AK4-0125

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Commander's Independent Thermal Viewer (CITV) Second Generation Servo Electronics Unit (SGSEU) (SEP) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Select and use applicable publications.
2. Select and use proper tools and test, measurement, and diagnostic equipment (TMDE).
3. Practice shop safety and maintenance discipline.
4. Describe how systems and components operate and function.
5. Inspect systems and components.
6. Troubleshoot systems and components.
7. Replace defective component(s).
8. Repair defective component(s).
9. Adjust systems and components.
10. Perform required preventive maintenance checks and services (PMCS).
11. Verify fault has been corrected.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required

Performance Measures	**GO**	**NO-GO**
1. Selected and used applicable publications.	____	____
2. Selected and used proper tools and test, measurement, and diagnostic equipment (TMDE).	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Described how systems and components operate and function.	____	____
5. Inspected systems and components.	____	____
6. Troubleshoot systems and components.	____	____

Performance Measures	GO	NO-GO
7. Replaced defective component(s).	___	___
8. Repaired defective component(s).	___	___
9. Adjusted systems and components.	___	___
10. Performed required preventive maintenance checks and services (PMCS).	___	___
11. Verified fault had been corrected.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-288-24-2	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Second Generation Thermal Receiver Unit (SGTRU)

091-AK4-0126

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Second Generation Thermal Receiver Unit and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable technical manuals (TMs).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Diagnose malfunction annotated on DA Form 2404/DA Form 5988-E.
7. Correct malfunction in accordance with publications and TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault has been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	____	____
4. Selected and used applicable technical manuals (TMs).	____	____
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	____	____

Performance Measures	GO	NO-GO
6. Diagnosed malfunction annotated on DA Form 2404/DA Form 5988-E.	___	___
7. Corrected malfunction in accordance with publications and TMs.	___	___
8. Performed all final checks to verify part was replaced to specifications.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Binocular Image Control Unit (BICU)

091-AK4-0127

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Binocular Image Control Unit (VCSU) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable technical manuals (TMs).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Diagnose malfunction annotated on DA Form 2404/DA Form 5988-E.
7. Correct malfunction in accordance with publications and TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault has been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	___	___
4. Selected and used applicable technical manuals (TMs).	___	___
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	___	___

Performance Measures	GO	NO-GO
6. Diagnosed malfunction annotated on DA Form 2404/DA Form 5988-E.	___	___
7. Corrected malfunction in accordance with publications and TMs.	___	___
8. Performed all final checks to verify part is replaced to specifications.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Vapor Compression System Unit (VCSU)

091-AK4-0128

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Vapor Compression System Unit (VCSU) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable technical manuals (TMs).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Remove and install components in accordance with TMs.
7. Inspect equipment and components in accordance with TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault has been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	____	____
4. Selected and used applicable technical manuals (TMs).	____	____
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	____	____

Performance Measures	GO	NO-GO
6. Removed and installed components in accordance with TMs.	___	___
7. Inspected equipment and components in accordance with TMs.	___	___
8. Performed all final checks to verify part is replaced to specifications.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Air Handling Unit (AHU) Thermal Management System (TMS)

091-AK4-0129

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Air Handling Unit (AHU) Thermal Receiver Unit (SGTRU) IAW the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable technical manuals (TMs).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Remove and installed components in accordance with TMs.
7. Inspect equipment and components in accordance with TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault has been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	____	____
4. Selected and used applicable technical manuals (TMs).	____	____
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	____	____
6. Removed and installed components in accordance with TMs.	____	____
7. Inspected equipment and components in accordance with TMs.	____	____
8. Performed all final checks to verify part was replaced to specifications.	____	____
9. Verified fault had been corrected.	____	____
10. Maintained tools and equipment to prevent damage.	____	____

Performance Measures	GO	NO-GO
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain the Fire Suppression System

091-AK4-0132

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain the Fire Suppression System in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable technical manuals (TMs).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Diagnose malfunction annotated on DA Form 2404/DA Form 5988-E.
7. Correct malfunction in accordance with publications and TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault has been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	___	___
4. Selected and used applicable technical manuals (TMs).	___	___
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	___	___

Performance Measures	GO	NO-GO
6. Diagnosed malfunction annotated on DA Form 2404/DA Form 5988-E.	___	___
7. Corrected malfunction in accordance with publications and TMs.	___	___
8. Performed all final checks to verify part was replaced to specifications.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Fire Control Electronics Unit (FCEU)

091-AK4-0134

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Fire Control Electronics Unit (FCEU) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable technical manuals (TMs).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Diagnose malfunction annotated on DA Form 2404/DA Form 5988-E.
7. Correct malfunction in accordance with publications and TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault has been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	____	____
4. Selected and used applicable technical manuals (TMs).	____	____
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	____	____

Performance Measures	GO	NO-GO
6. Diagnosed malfunction annotated on DA Form 2404/DA Form 5988-E.	___	___
7. Corrected malfunction in accordance with publications and TMs.	___	___
8. Performed all final checks to verify part was replaced to specifications.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Mass Memory Unit (MMU)

091-AK4-0135

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Mass Memory Unit (MMU) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable technical manual (TM).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Diagnose malfunction annotated on DA Form 2404/DA Form 5988-E.
7. Correct malfunction in accordance with publications and TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault has been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	___	___
4. Selected and used applicable technical manual (TM).	___	___
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	___	___

Performance Measures	GO	NO-GO
6. Diagnosed malfunction annotated on DA Form 2404/DA Form 5988-E.	___	___
7. Corrected malfunction in accordance with publications and TMs.	___	___
8. Performed all final checks to verify part was replaced to specifications.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Operate the Maintenance Support Device (MSD)

091-AK4-0136

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Operate the Maintenance Support Device (MSD) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Practice maintenance discipline.
2. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
3. Select and use applicable technical manual (TM).
4. Inspect equipment and components in accordance with TMs.
5. Prepare vehicle and systems for testing using Maintenance Support Device (MSD).
6. Maintain tools and equipment to prevent damage.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Practiced maintenance discipline.	___	___
2. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	___	___
3. Selected and used applicable technical manual (TM).	___	___
4. Inspected equipment and components in accordance with TMs.	___	___
5. Prepared vehicle and systems for testing using Maintenance Support Device (MSD).	___	___
6. Maintained tools and equipment to prevent damage.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	

References

Required	**Related**
TM 9-2350-288-10-2	
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-1-2	
TM 9-2350-288-20-1-3	
TM 9-2350-288-20-1-4	
TM 9-2350-288-20-1-5	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Identify the M1A2 SEP Unique Components

091-AK4-0137

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Identify the M1A2 SEP Unique Components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Practice maintenance discipline.
2. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
3. Select and use applicable technical manual (TM).
4. Inspect equipment and components in accordance with technical manuals (TMs).
5. Identify the M1A2 SEP Unique Components.
6. Maintain tools and equipment to prevent damage.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Practiced maintenance discipline.	___	___
2. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	___	___
3. Selected and used applicable technical manual (TM).	___	___
4. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
5. Identified the M1A2 SEP Unique Components.	___	___
6. Maintained tools and equipment to prevent damage.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	

References

Required	**Related**
TM 9-2350-288-20-1-1	
TM 9-2350-288-20-2-1	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Operate the Position/Navigation System (POS/NAV)
091-AK4-0138

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Operate the Position/Navigation System (POS/NAV) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Select and use applicable publications.
2. Select and use proper tools and test, measurement, and diagnostic equipment (TMDE).
3. Practice shop safety and maintenance discipline.
4. Describe how systems and components operate and function.
5. Inspect systems and components.
6. Operate the Position/Navigation System (POS/NAV).
7. Maintain tools and equipment to prevent damage.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable publications.	____	____
2. Selected and used proper tools and test, measurement, and diagnostic equipment (TMDE).	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Described how systems and components operate and function.	____	____
5. Inspected systems and components.	____	____
6. Operated the Position/Navigation System (POS/NAV).	____	____
7. Maintained tools and equipment to prevent damage.	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Operate the Second Generation Forward Looking Infrared (FLIR) System

091-AK4-0139

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Operate the Second Generation Forward Looking Infrared (FLIR) System in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Select and use applicable publications.
2. Select and use proper tools and test, measurement, and diagnostic equipment (TMDE).
3. Practice shop safety and maintenance discipline.
4. Describe how systems and components operate and function.
5. Inspect systems and components.
6. Operate the Second Generation Forward Looking Infrared (FLIR) System.
7. Maintain tools and equipment to prevent damage.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable publications.	____	____
2. Selected and used proper tools and test, measurement, and diagnostic equipment (TMDE).	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Described how systems and components operate and function.	____	____
5. Inspected systems and components.	____	____
6. Operated the Second Generation Forward Looking Infrared (FLIR) System.	____	____
7. Maintained tools and equipment to prevent damage.	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Operate the Thermal Management System (TMS)

091-AK4-0140

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Operate the Thermal Management System (TMS) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Perform administrative action.
   a. Select and use applicable technical manuals (TMs).
   b. Select and use applicable tools and TMDE.
   c. Practice shop safety and maintenance discipline.
2. Describe how systems/components operate and function.
3. Inspect systems/components.
4. Operate the Thermal Management System (TMS).
5. Ensure tools and equipment are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Performed administrative action a. Selected and used applicable technical manuals (TMs). b. Selected and used applicable tools and TMDE c. Practiced shop safety and maintenance discipline.	____	____
2. Described how systems/components operate and function.	____	____
3. Inspected systems/components.	____	____
4. Operated the Thermal Management System (TMS).	____	____
5. Ensured tools and equipment are properly maintained.	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	

References

Required	**Related**
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain Commander's Independent Thermal Viewer (CITV) Sight Mode

091-AK4-0141

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain Commander's Independent Thermal Viewer (CITV) Sight Mode in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Select and use applicable publications.
2. Select and use proper tools and test, measurement, and diagnostic equipment (TMDE).
3. Practice shop safety and maintenance discipline.
4. Describe how systems and components operate and function.
5. Inspect systems and components.
6. Troubleshoot systems and components.
7. Replace defective component(s).
8. Repair defective component(s).
9. Adjust systems and components.
10. Perform required preventive maintenance checks and services (PMCS).
11. Verify fault has been corrected.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable publications.	____	____
2. Selected and used proper tools and test, measurement, and diagnostic equipment (TMDE).	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Described how systems and components operate and function.	____	____
5. Inspected systems and components.	____	____
6. Troubleshoot systems and components.	____	____
7. Replaced defective component(s).	____	____

Performance Measures	GO	NO-GO
8. Repaired defective component(s).	___	___
9. Adjusted systems and components.	___	___
10. Performed required preventive maintenance checks and services (PMCS).	___	___
11. Verified fault had been corrected.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Operate the Second Generation Thermal Imaging System (TIS)

091-AK4-0142

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Operate the Second Generation Thermal Imaging System (TIS) in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet)/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).
4. Select and use applicable technical manuals (TMs).
5. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
6. Diagnose malfunction annotated on DA Form 2404/DA Form 5988-E.
7. Correct malfunction in accordance with publications and TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault has been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Followed prescribed safety procedures.	___	___
2. Practiced maintenance discipline.	___	___
3. Verified fault on DA Form 2404 (Equipment Inspection and Maintenance Worksheet)/DA Form 5988-E (Equipment Inspection Maintenance Worksheet).	___	___
4. Selected and used applicable technical manuals (TMs).	___	___
5. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	___	___

Performance Measures	GO	NO-GO
6. Diagnosed malfunction annotated on DA Form 2404/DA Form 5988-E.	___	___
7. Corrected malfunction in accordance with publications and TMs.	___	___
8. Performed all final checks to verify part was replaced to specifications.	___	___
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 2404/DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Maintain the Commanders Weapon System
091-AK4-1043

Conditions: In a contemporary operational environment (COE) given a maintenance request or equipment inspection worksheet describing equipment malfunctions, required tools and test equipment, and with minimum supervision.

Standards: Maintain the Commanders Weapon System in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment must be fully mission capable or maintenance actions required to be performed by other than MOS 91A personnel must be identified.

Performance Steps

1. Select and use applicable publications.
2. Select and use proper tools and test, measurement, and diagnostic equipment (TMDE).
3. Practice shop safety and maintenance discipline.
4. Describe how systems and components operate and function.
5. Inspect systems and components.
6. Troubleshoot Commanders Weapon System and components.
7. Replace defective component(s).
8. Repair defective component(s).
9. Adjust systems and components.
10. Verify fault has been corrected.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable publications.	____	____
2. Selected and used proper tools and test, measurement, and diagnostic equipment (TMDE).	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Described how systems and components operate and function.	____	____
5. Inspected systems and components.	____	____
6. Troubleshoot Commanders Weapon System and components.	____	____
7. Replaced defective component(s).	____	____
8. Repaired defective component(s).	____	____

Performance Measures	GO	NO-GO
9. Adjusted systems and components.	___	___
10. Verified fault has been corrected.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-288-10-1	
TM 9-2350-288-10-2	
TM 9-2350-288-20-2-1	
TM 9-2350-288-20-2-2	
TM 9-2350-288-20-2-3	
TM 9-2350-288-20-2-4	
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	

Subject Area 6: WOLVERINE (ASI-V2 ONLY)

Perform PMCS on Wolverine Bridge Assembly
091-WOL-0001

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M104 Armored Breacher Vehicle (Wolverine); multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the contemporary operational environment (COE) variable and factors.

Standards: Perform preventive maintenance checks and services (PMCS) in accordance with applicable technical manuals (TMs). When this task is completed the equipment or end item will be fully mission-capable or required maintenance actions to be performed by other than military occupational specialty (MOS) 91A personnel will be identified.

Performance Steps

1. Follow prescribed safety procedures.
2. Practice maintenance discipline.
3. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
4. Select and use applicable technical publications.
5. Inspect equipment and components in accordance with technical manuals (TMs).
6. Perform PMCS in accordance with publications and TMs.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Followed prescribed safety procedures.	____	____
2. Practiced maintenance discipline.	____	____
3. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	____	____
4. Selected and used applicable technical publications.	____	____
5. Inspected equipment and components in accordance with technical manuals (TMs).	____	____
6. Performed PMCS in accordance with publications and TMs.	____	____
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TM 5-5420-232-10	

References

Required	**Related**
TM 5-5420-232-20-1	
TM 5-5420-232-20-2	
TM 5-5420-232-20-3	
TM 5-5420-232-20-4	
TM 5-5420-232-20-5	

Commander's Station Familiarization

091-WOL-0002

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M104 Armored Breacher Vehicle (Wolverine); multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the contemporary operational environment (COE) variable and factors.

Standards: Perform Commander's Station Familiarization and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Complete DA Form 5988-E (Equipment Inspection Maintenance Worksheet) in accordance with The Army Maintenance Management System (TAMMS).
2. Practice maintenance discipline.
3. Select and use applicable technical publications.
4. Student will have a full understanding of components and operation.

Performance Measures	GO	NO-GO
1. Completed DA Form 5988-E (Equipment Inspection Maintenance Worksheet) in accordance with The Army Maintenance Management System (TAMMS).	___	___
2. Practiced maintenance discipline.	___	___
3. Selected and used applicable technical publications.	___	___
4. Student will have a full understanding of components and operation.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 5-5420-232-10	
TM 5-5420-232-20-1	
TM 5-5420-232-20-2	
TM 5-5420-232-20-3	
TM 5-5420-232-20-4	
TM 5-5420-232-20-5	

Launch Bridge Under Normal Operations

091-WOL-0003

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M104 Armored Breacher Vehicle (Wolverine); multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the contemporary operational environment (COE) variable and factors.

Standards: Perform Launch Bridge Under Normal Operations and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Practice maintenance discipline.
2. Select and use applicable technical publications.
3. Inspect equipment and components in accordance with technical manuals (TMs).
4. Launch bridge under normal operations.
5. Perform operations without damage to equipment or personnel.

Performance Measures	GO	NO-GO
1. Practiced maintenance discipline.	___	___
2. Selected and used applicable technical publications.	___	___
3. Inspected equipment and components in accordance with technical manuals (TMs).	___	___
4. Launched bridge under normal operations.	___	___
5. Prevented damage to equipment and personnel.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 5-5420-232-10	
TM 5-5420-232-20-1	
TM 5-5420-232-20-2	
TM 5-5420-232-20-3	
TM 5-5420-232-20-4	
TM 5-5420-232-20-5	

Troubleshoot Bridge Launch System

091-WOL-0004

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M104 Armored Breacher Vehicle (Wolverine); multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the contemporary operational environment (COE) variable and factors.

Standards: Troubleshoot Bridge Launch System and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Practice maintenance discipline.
2. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
3. Select and use applicable technical publications.
4. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
5. Diagnose malfunction annotated on DA Form 5988-E/DA Form 2404.
6. Inspect equipment and components in accordance with technical manuals (TMs).
7. Correct malfunction in accordance with publications and TMs.
8. Perform all final checks to verify part is replaced to specifications.
9. Verify fault has been corrected.
10. Maintain tools and equipment to prevent damage.
11. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Practiced maintenance discipline.	____	____
2. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	____	____
3. Selected and used applicable technical publications.	____	____
4. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	____	____
5. Diagnosed malfunction annotated on DA Form 5988-E/DA Form 2404.	____	____
6. Inspected equipment and components in accordance with technical manuals (TMs).	____	____
7. Corrected malfunction in accordance with publications and TMs.	____	____
8. Performed all final checks to verify part is replaced to specifications.	____	____

Performance Measures	GO	NO-GO
9. Verified fault had been corrected.	___	___
10. Maintained tools and equipment to prevent damage.	___	___
11. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 5-5420-232-10	
TM 5-5420-232-20-1	
TM 5-5420-232-20-2	
TM 5-5420-232-20-3	
TM 5-5420-232-20-4	
TM 5-5420-232-20-5	

Troubleshoot Launch Power Unit

091-WOL-0005

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M104 Armored Breacher Vehicle (Wolverine); multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the contemporary operational environment (COE) variable and factors.

Standards: Troubleshoot Launch Power Unit and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Practice maintenance discipline.
2. Verify fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).
3. Select and use applicable technical publications.
4. Select and use correct tools and test, measurement, and diagnostic equipment (TMDE).
5. Diagnose malfunction annotated on DA Form 5988-E/DA Form 2404.
6. Remove and replace components in accordance with technical manuals (TMs).
7. Inspect equipment and components in accordance with TMs.
8. Correct malfunction in accordance with publications and TMs.
9. Perform all final checks to verify part is replaced to specifications.
10. Verify fault has been corrected.
11. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Practiced maintenance discipline.	____	____
2. Verified fault on DA Form 5988-E (Equipment Inspection Maintenance Worksheet)/DA Form 2404 (Equipment Inspection and Maintenance Worksheet).	____	____
3. Selected and used applicable technical publications.	____	____
4. Selected and used correct tools and test, measurement, and diagnostic equipment (TMDE).	____	____
5. Diagnosed malfunction annotated on DA Form 5988-E/DA Form 2404.	____	____
6. Removed and replaced components in accordance with technical manuals (TMs).	____	____
7. Inspected equipment and components in accordance with TMs.	____	____
8. Corrected malfunction in accordance with publications and TMs.	____	____
9. Performed all final checks to verify part is replaced to specifications.	____	____

Performance Measures	GO	NO-GO
10. Verified fault had been corrected.	___	___
11. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 5-5420-232-20-1	TM 5-5420-232-10
TM 5-5420-232-20-2	
TM 5-5420-232-20-3	
TM 5-5420-232-20-4	
TM 5-5420-232-20-5	

Remove and Install Launch Power Unit

091-WOL-0006

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M104 Armored Breacher Vehicle (Wolverine); multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the contemporary operational environment (COE) variable and factors.

Standards: Remove and Install Launch Power Unit and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Practice maintenance discipline.
2. Select and use applicable technical publications.
3. Select and use correct tools and TMDE.
4. Remove and replace components in accordance with technical manuals (TMs).
5. Inspect equipment and components in accordance with TMs.
6. Perform all final checks to verify part is replaced to specifications.
7. Maintain tools and equipment to prevent damage.
8. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Practiced maintenance discipline.	___	___
2. Selected and used applicable technical publications.	___	___
3. Selected and used correct tools and TMDE.	___	___
4. Removed and replaced components in accordance with technical manuals (TMs).	___	___
5. Inspected equipment and components in accordance with TMs.	___	___
6. Performed all final checks to verify part is replaced to specifications.	___	___
7. Maintained tools and equipment to prevent damage.	___	___
8. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TM 5-5420-232-10	
TM 5-5420-232-20-1	

References

Required	**Related**
TM 5-5420-232-20-2	
TM 5-5420-232-20-3	
TM 5-5420-232-20-4	
TM 5-5420-232-20-5	

Ground Hop Launch Power Unit

091-WOL-0007

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M104 Armored Breacher Vehicle (Wolverine); multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the contemporary operational environment (COE) variable and factors.

Standards: Ground Hop Launch Power Unit and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Practice maintenance discipline.
2. Select and use applicable technical publications.
3. Select and use correct tools and TMDE.
4. Remove Launch Power Unit in accordance with technical manuals (TMs).
5. Perform preventive maintenance checks and services (PMCS) in accordance with publications and TMs.
6. Familiar with components and ground hop procedures.
7. Perform checks to verify Launch Power Unit is replaced to specifications.
8. Maintain tools and equipment to prevent damage.

Performance Measures	**GO**	**NO-GO**
1. Practiced maintenance discipline.	___	___
2. Selected and used applicable technical publications.	___	___
3. Selected and used correct tools and TMDE.	___	___
4. Removed Launch Power Unit in accordance with technical manuals (TMs).	___	___
5. Performed preventive maintenance checks and services (PMCS) in accordance with publications and TMs.	___	___
6. Familiarized with components and ground hop procedures.	___	___
7. Performed checks to verify Launch Power Unit was replaced to specifications.	___	___
8. Maintained tools and equipment to prevent damage.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TM 5-5420-232-10	
TM 5-5420-232-20-1	

References

Required	Related
TM 5-5420-232-20-2	
TM 5-5420-232-20-3	
TM 5-5420-232-20-4	
TM 5-5420-232-20-5	

Remove and Install Hydraulic Module

091-WOL-0008

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M104 Armored Breacher Vehicle (Wolverine); multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the contemporary operational environment (COE) variable and factors.

Standards: Remove and Install Hydraulic Module and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Practice maintenance discipline.
2. Select and use applicable technical publications.
3. Select and use correct tools and TMDE.
4. Remove and replace components in accordance with technical manuals (TMs).
5. Inspect equipment and components in accordance with TMs.
6. Perform all final checks to verify part is replaced to specifications.
7. Maintain tools and equipment to prevent damage.
8. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Practiced maintenance discipline.	___	___
2. Selected and used applicable technical publications.	___	___
3. Selected and used correct tools and TMDE.	___	___
4. Removed and replaced components in accordance with technical manuals (TMs).	___	___
5. Inspected equipment and components in accordance with TMs.	___	___
6. Performed all final checks to verify part is replaced to specifications.	___	___
7. Maintained tools and equipment to prevent damage.	___	___
8. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TM 5-5420-232-10	
TM 5-5420-232-20-1	

References

Required	Related
TM 5-5420-232-20-2	
TM 5-5420-232-20-3	
TM 5-5420-232-20-4	
TM 5-5420-232-20-5	

Remove and Install Charge Pump

091-WOL-0009

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M104 Armored Breacher Vehicle (Wolverine); multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the contemporary operational environment (COE) variable and factors.

Standards: Remove and Install Charge Pump and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Practice maintenance discipline.
2. Select and use applicable technical publications.
3. Select and use correct tools and TMDE.
4. Remove and replace Charge Pump in accordance with technical manuals (TMs).
5. Inspect equipment and components in accordance with TMs.
6. Perform all final checks to verify part is replaced to specifications.
7. Maintain tools and equipment to prevent damage.
8. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Practiced maintenance discipline.	____	____
2. Selected and used applicable technical publications.	____	____
3. Selected and used correct tools and TMDE.	____	____
4. Removed and replaced Charge Pump in accordance with technical manuals (TMs).	____	____
5. Inspected equipment and components in accordance with TMs.	____	____
6. Performed all final checks to verify part is replaced to specifications.	____	____
7. Maintained tools and equipment to prevent damage.	____	____
8. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TM 5-5420-232-10	
TM 5-5420-232-20-1	

References

Required	**Related**
TM 5-5420-232-20-2	
TM 5-5420-232-20-3	
TM 5-5420-232-20-4	
TM 5-5420-232-20-5	

Remove and Install Bridge Advance Unit (Drive)

091-WOL-0010

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M104 Armored Breacher Vehicle (Wolverine); multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the contemporary operational environment (COE) variable and factors.

Standards: Remove and Install Bridge Advance Unit (Drive) and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Practice maintenance discipline.
2. Select and use applicable technical publications.
3. Select and use correct tools and TMDE.
4. Remove and replace Bridge Advance Unit in accordance with technical manuals (TMs).
5. Perform all final checks to verify part is replaced to specifications.
6. Verify fault has been corrected.
7. Maintain tools and equipment to prevent damage.
8. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	GO	NO-GO
1. Practiced maintenance discipline.	___	___
2. Selected and used applicable technical publications.	___	___
3. Selected and used correct tools and TMDE.	___	___
4. Removed and replaced Bridge Advance Unit in accordance with technical manuals (TMs).	___	___
5. Performed all final checks to verify part is replaced to specifications.	___	___
6. Verified fault had been corrected.	___	___
7. Maintained tools and equipment to prevent damage.	___	___
8. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 5-5420-232-10	

References

Required	**Related**
TM 5-5420-232-20-1	
TM 5-5420-232-20-2	
TM 5-5420-232-20-3	
TM 5-5420-232-20-4	
TM 5-5420-232-20-5	

Remove and Install Bridge Drive Manifold

091-WOL-0011

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M104 Armored Breacher Vehicle (Wolverine); multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the contemporary operational environment (COE) variable and factors.

Standards: Remove and Install Bridge Drive Manifold and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Practice maintenance discipline.
2. Select and use applicable technical publications.
3. Select and use correct tools and TMDE.
4. Remove and replace Bridge Drive Manifold in accordance with technical manuals (TMs).
5. Perform all final checks to verify part is replaced to specifications.
6. Maintain tools and equipment to prevent damage.
7. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Practiced maintenance discipline.	____	____
2. Selected and used applicable technical publications.	____	____
3. Selected and used correct tools and TMDE.	____	____
4. Removed and replaced Bridge Drive Manifold in accordance with technical manuals (TMs).	____	____
5. Performed all final checks to verify part is replaced to specifications.	____	____
6. Maintained tools and equipment to prevent damage.	____	____
7. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TM 5-5420-232-10	
TM 5-5420-232-20-1	
TM 5-5420-232-20-2	
TM 5-5420-232-20-3	

References

Required	**Related**
TM 5-5420-232-20-4	
TM 5-5420-232-20-5	

Remove and Install Laying Army Hydraulic Cylinder
091-WOL-0012

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M104 Armored Breacher Vehicle (Wolverine); multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the contemporary operational environment (COE) variable and factors.

Standards: Remove and Install Laying Army Hydraulic Cylinder and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Practice maintenance discipline.
2. Select and use applicable technical publications.
3. Select and use correct tools and TMDE.
4. Remove and replace Laying Army Hydraulic Cylinder in accordance with technical manuals (TMs).
5. Inspect equipment and components in accordance with TMs.
6. Perform all final checks to verify part is replaced to specifications.
7. Maintain tools and equipment to prevent damage.
8. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	**GO**	**NO-GO**
1. Practiced maintenance discipline.	___	___
2. Selected and used applicable technical publications.	___	___
3. Selected and used correct tools and TMDE.	___	___
4. Removed and replaced Laying Army Hydraulic Cylinder in accordance with technical manuals (TMs).	___	___
5. Inspected equipment and components in accordance with TMs.	___	___
6. Performed all final checks to verify part is replaced to specifications.	___	___
7. Maintained tools and equipment to prevent damage.	___	___
8. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TM 5-5420-232-10	

References

Required	**Related**
TM 5-5420-232-20-1	
TM 5-5420-232-20-2	
TM 5-5420-232-20-3	
TM 5-5420-232-20-4	
TM 5-5420-232-20-5	

Remove and Install Improved Launcher Electronics Control Unit, (ILECU)

091-WOL-0013

Conditions: Starting in a classroom and later transitioning to the maintenance shop, with assistance, given an M104 Armored Breacher Vehicle (Wolverine); multi-capable maintainer tool kit; special tools; test, measurement, and diagnostic equipment (TMDE); safety equipment; required references; student handouts; and an awareness of the contemporary operational environment (COE) variable and factors.

Standards: Remove and Install Improved Launcher Electronics Control Unit, (ILECU) and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Practice maintenance discipline.
2. Select and use applicable technical publications.
3. Select and use correct tools and TMDE.
4. Remove and replace Improved Launcher Electronics Control Unit in accordance with technical manuals (TMs).
5. Inspect equipment and components in accordance with TMs.
6. Perform all final checks to verify part is replaced to specifications.
7. Maintain tools and equipment to prevent damage.
8. Complete DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).

Performance Measures	GO	NO-GO
1. Practiced maintenance discipline.	___	___
2. Selected and used applicable technical publications.	___	___
3. Selected and used correct tools and TMDE.	___	___
4. Removed and replaced Improved Launcher Electronics Control Unit in accordance with technical manuals (TMs).	___	___
5. Inspected equipment and components in accordance with TMs.	___	___
6. Performed all final checks to verify part is replaced to specifications.	___	___
7. Maintained tools and equipment to prevent damage.	___	___
8. Completed DA Form 5988-E in accordance with The Army Maintenance Management System (TAMMS).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
TM 5-5420-232-10	
TM 5-5420-232-20-1	
TM 5-5420-232-20-2	
TM 5-5420-232-20-3	
TM 5-5420-232-20-4	
TM 5-5420-232-20-5	

Skill Level 3

Subject Area 7: COMMON LOGISTIC TASKS (SKILL LEVEL 3)

Manage a Maintenance Facility Safety Program

091-CLT-3001

Conditions: In a contemporary operational environment (COE) given Army regulation (AR) 190-13, AR 220-1, AR 385-10, AR 700-138, AR 750-1, Department of the Army (DA) Pamphlet 750-8, Field Manual (FM) 4-30.3, Technical Bulletin, TB 43-0142, and TB 43-180, a maintenance site/facility, and maintenance personnel.

Standards: Ensure that personnel followed all safety procedures and preventable accidents were avoided. If accidents occurred, they were properly recorded and reported in accordance with applicable references.

Performance Steps

1. Ensure all safety references were on hand.
1. Ensure all safety references were on hand.
2. Establish and document goals and requirements for a successful shop safety and accident prevention program.
2. Establish and document goals and requirements for a successful shop safety and accident prevention program.
3. Brief and regularly update subordinates on shop safety program.
3. Brief and regularly update subordinates on shop safety program.
4. Conduct initial safety inspections.
4. Conduct initial safety inspections.
5. Ensure initial safety concerns and violations are corrected.
5. Ensure initial safety concerns and violations were corrected.
6. Conduct scheduled and unscheduled safety inspections.
6. Conduct scheduled and unscheduled safety inspections.
7. Document safety violations, report the violations as required, and conduct follow-up inspections to ensure violations were corrected.
7. Document safety violations, report the violations as required, and conduct follow-up inspections to ensure violations were corrected.
8. Keep necessary records of safety inspections and accident reports.
8. Keep necessary records of safety inspections and accident reports.
9. Ensure Material Safety Data Sheets (MSDSs) were prepared and maintained as required in applicable work areas.
9. Ensure material safety data sheets (MSDS) are prepared and maintained as required in applicable work areas.

Evaluation Preparation: None

Performance Measures	GO	NO-GO
1. Ensured all safety references were on hand.	___	___
2. Established and documented goals and requirements for a successful shop safety and accident prevention program.	___	___
3. Briefed and regularly updated subordinates on shop safety program.	___	___
4. Conducted initial safety inspections.	___	___
5. Ensured initial safety concerns and violations were corrected.	___	___
6. Conducted scheduled and unscheduled safety inspections.	___	___
7. Documented safety violations, reported the violations as required, and conducted follow-up inspections to ensure violations were corrected.	___	___
8. Kept necessary records of safety inspections and accident reports.	___	___
9. Ensured Material Safety Data Sheets (MSDSs) were prepared and maintained as required in applicable work areas.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 190-13	
AR 220-1	
AR 385-10	
AR 700-138	
AR 750-1	
DA PAM 750-8	
FM 4-30.3	
TB 43-0142	
TB 43-180	

Establish a Maintenance Facility Publications/Electronic Technical Manual Library

091-CLT-3002

Conditions: In a contemporary operational environment (COE) given publications, electronic technical manuals (ETMs)/interactive electronic technical manuals (IETMs), computer with access to the World Wide Web, storage location, local and higher headquarters publications indexes and publications procedures, standing operating procedure (SOP), and applicable forms and references.

Standards: Ensure required publications, ETMs/IETMs are on hand or ordered, publications were arranged and maintained properly, forms/records were properly maintained, and changes were posted in accordance with applicable references and local procedures.

Performance Steps

1. Determine all publications required by the maintenance shop or section.
2. Review and update publications library SOP as needed.
3. Ensure that technical publications on hand or on order were the most current in accordance with DA Pamphlet 25-30.
4. Ensure that doctrinal, training, and organizational publications on hand or on order were the most current in accordance with DA Pamphlet 25-30 and local listings.
5. Ensure that administrative publications on hand or on order were the most current in accordance with DA Pamphlet 25-30.
6. Ensure that local and higher headquarters publications on hand or on order were the most current in accordance with DA Pamphlet 25-30 and local listings.
7. Prepare DA Form 4569-1-R (Security Assistance Publication Requisition Code Sheet (LRA)) in accordance with DA Pamphlet 25-33.
8. Prepare the required transmittal form in accordance with DA Pamphlet 25-33.
9. Prepare DA Form 17 (Requisition for Publications and Blank Forms) and DA Form 17-1 (Requisition for Publications and Blank Forms (Continuation Sheet) to request local and higher headquarters publications in accordance with DA Pamphlet 25-33 and local or higher headquarters publications requisitioning procedures.
10. Ensure that published changes were posted to applicable publications in accordance with DA Pamphlet 25-40 and publications change instructions.
11. Remove obsolete, rescinded, or superseded publications from library in accordance with DA Pamphlet 25-40 and publications change instructions.
12. Arrange publications in proper order and in a suitable location in accordance with DA Pamphlet 25-40.
13. Label binders used for storing library publications in accordance with AR 25-400-2 and DA Pamphlet 25-40.
14. Notify personnel to return loaned publications to the library in a timely manner in accordance with publications library SOP.
15. Update Army Publishing Directorate (APD), local, and higher headquarters publications accounts, as required, in accordance with DA Pamphlet 25-33 and local or higher headquarters publications account instructions.

Performance Measures	GO	NO-GO
1. Determined all publications required by the maintenance shop or section.	___	___
2. Reviewed and updated publications library SOP as needed.	___	___
3. Ensured that technical publications on hand or on order were the most current in accordance with DA Pamphlet 25-30.	___	___
4. Ensured that doctrinal, training, and organizational publications on hand or on order were the most current in accordance with DA Pamphlet 25-30 and local listings.	___	___
5. Ensured that administrative publications on hand or on order were the most current in accordance with DA Pamphlet 25-30.	___	___
6. Ensured that local and higher headquarters publications on hand or on order were the most current in accordance with DA Pamphlet 25-30 and local listings.	___	___
7. Prepared DA Form 4569-1-R (Security Assistance Publication Requisition Code Sheet (LRA)) in accordance with DA Pamphlet 25-33.	___	___
8. Prepared the required transmittal form in accordance with DA Pamphlet 25-33.	___	___
9. Prepared DA Form 17 (Requisition for Publications and Blank Forms) and DA Form 17-1 (Requisition for Publications and Blank Forms (Continuation Sheet) to request local and higher headquarters publications in accordance with DA Pamphlet 25-33 and local or higher headquarters publications requisitioning procedures.	___	___
10. Ensured that published changes were posted to applicable publications in accordance with DA Pamphlet 25-40 and publications change instructions.	___	___
11. Removed obsolete, rescinded, or superseded publications from library in accordance with DA Pamphlet 25-40 and publications change instructions.	___	___
12. Arranged publications in proper order and in a suitable location in accordance with DA Pamphlet 25-40.	___	___
13. Labeled binders used for storing library publications in accordance with AR 25-400-2 and DA Pamphlet 25-40.	___	___
14. Notified personnel to return loaned publications to the library in a timely manner in accordance with publications library SOP.	___	___
15. Updated Army Publishing Directorate (APD), local, and higher headquarters publications accounts, as required, in accordance with DA Pamphlet 25-33 and local or higher headquarters publications account instructions.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 25-1	
AR 25-400-2	
DA FORM 17	
DA FORM 17-1	
DA FORM 4569-1-R	
DA PAM 25-30	

References

Required	**Related**
DA PAM 25-33	
DA PAM 25-40	

Establish Maintenance Facilities

091-CLT-3003

Conditions: In a contemporary operational environment (COE) given a maintenance site, maintenance personnel, applicable equipment, maintenance shop/section standing operating procedure (SOP), Field Manual (FM) 4-30.3, and applicable references.

Standards: Set up a maintenance shop facility suitable for accomplishing necessary maintenance functions in accordance with applicable references.

Performance Steps

1. Ensure SOP and required reference were available.
2. Identify commander's maintenance requirements for accomplishing the unit mission.
3. Set up the maintenance facility in accordance with SOP.

Evaluation Preparation: None

Performance Measures	GO	NO-GO
1. Ensured SOP and required reference were available.	___	___
2. Identified commander's maintenance requirements for accomplishing the unit mission.	___	___
3. Set up the maintenance facility in accordance with SOP.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
FM 4-30.3	

Prepare a Maintenance Facility Standing Operating Procedure
091-CLT-3004

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 4-30.3, higher headquarters standing operating procedure (SOP), and commander's guidance.

Standards: Prepare a draft copy of a maintenance shop/section internal or external SOP for supervisor's review, comment, and approval in accordance with applicable references.

Performance Steps

1. Ensure applicable publications were available.
2. Ensure unit policies and commander's guidance were followed.
3. Ensure shop operation policies were adequately addressed.
4. Update the shop SOP, as required.

Evaluation Preparation: None

Performance Measures	GO	NO-GO
1. Ensured applicable publications were available.	___	___
2. Ensured unit policies and commander's guidance were followed.	___	___
3. Ensured shop operation policies were adequately addressed.	___	___
4. Updated the shop SOP, as required.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
FM 4-30.3	

Manage Tool Control Procedures

091-CLT-3005

Conditions: In a contemporary operational environment (COE) given Army regulation (AR) 190-13, AR 220-1, AR 385-10, AR 700-138, AR 750-1, Department of the Army (DA) Form 2062 (Hand Receipt/Annex Number), DA Pamphlet 710-2-1, DA Pamphlet 750-8, Field Manual (FM) 1-02, FM 4-30.3, applicable supply catalog(s), applicable references, and hand receipt forms.

Standards: Manage tool control procedures in accordance with applicable references.

Performance Steps

1. Ensure applicable references were available.
2. Establish policies and procedures for the control of tools.
3. Ensure all Department of the Army (DA) Form 2062s (Hand Receipt/Annex Number) were properly filled out and updated.
4. Ensure tools and equipment were inventoried in accordance with applicable references.
5. Ensure tool shortages were annotated on a shortage annex.
6. Ensure subordinates applied property accountability procedures.

Evaluation Preparation: None

Performance Measures	GO	NO-GO
1. Ensured applicable references were available.	___	___
2. Established policies and procedures for the control of tools.	___	___
3. Ensured all DA Form 2062s (Hand Receipt/Annex Number) were properly filled out and updated.	___	___
4. Ensured tools and equipment were inventoried in accordance with applicable references.	___	___
5. Ensured tool shortages were annotated on a shortage annex.	___	___
6. Ensured subordinates applied property accountability procedures.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 190-13	
AR 220-1	
AR 385-10	
AR 700-138	
AR 750-1	
DA FORM 2062	
DA PAM 710-2-1	
DA PAM 750-8	
FM 1-02	
FM 4-30.3	

Manage Key Control Procedures
091-CLT-3006

Conditions: In a contemporary operational environment (COE) given Army regulation (AR) 190-13, AR 190-51, keys, key control rosters, key boxes/cabinets, and applicable publications.

Standards: Manage key control procedures in accordance with applicable references.

Performance Steps

1. Ensure necessary publications were available.
2. Establish key control policies and procedures.
3. Establish key control access rosters.
4. Ensure personnel were aware of their responsibilities for the security and accountability of keys.
5. Ensure key control access rosters were properly maintained and adhered to.

Evaluation Preparation: None

Performance Measures	GO	NO-GO
1. Ensured necessary publications were available.	___	___
2. Established key control policies and procedures.	___	___
3. Established key control access rosters.	___	___
4. Ensured personnel were aware of their responsibilities for the security and accountability of keys.	___	___
5. Ensured key control access rosters were properly maintained and adhered to.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 190-13	
AR 190-51	

Manage the TMDE Calibration Program

091-CLT-3007

Conditions: In a contemporary operational environment (COE) given Army regulation (AR) 750-43, Technical Bulletin (TB) 43-180, test, measurement, and diagnostic equipment (TMDE), maintenance personnel, and applicable references.

Standards: Manage the TMDE calibration program in accordance with applicable references.

Performance Steps

1. Ensure necessary publications were available.
2. Review and update TMDE computer printout list.
3. Ensure preventive maintenance checks and services (PMCS) and inventory of all TMDE and auxiliary equipment are conducted, as required.
4. Ensure TMDE is turned in for calibration in accordance with computer printouts.

Evaluation Preparation: None

Performance Measures	GO	NO-GO
1. Ensured necessary publications were available.	___	___
2. Reviewed and updated TMDE computer printout list.	___	___
3. Ensured preventive maintenance checks and services (PMCS) and inventory of all TMDE and auxiliary equipment are conducted, as required.	___	___
4. Ensured TMDE was turned in for calibration in accordance with computer printouts.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 750-43	
TB 43-180	

Supervise Maintenance Operations

091-CLT-3009

Conditions: In a contemporary operational environment (COE) given maintenance personnel, equipment, maintenance facility/site, Army regulation (AR) AR 385-10, AR 600-55, AR 700-4, AR 700-138, AR 710-2, AR 725-50, AR 735-5, AR 750-1, AR 750-43, Department of the Army (DA) Pamphlet 25-30, DA Pamphlet 710-2-1, DA Pamphlet 710-2-2, DA Pamphlet 750-1, DA Pamphlet 750-3, DA Pamphlet 750-8, Field Manual (FM) 4-30.3, standing operating procedures (SOPs), and applicable references.

Standards: Establish and maintain an effective maintenance shop operation in accordance with SOP and applicable references.

Performance Steps

1. Ensure unit maintenance procedures are in accordance with AR 750-1, DA Pamphlet 750-3, and local and major Army command (MACOM) policies.
   a. Review unit SOPs for maintenance.
   b. Inform unit personnel of changes in policy and new policy that impacts unit SOP.

2. Provide technical assistance to unit maintenance activities.
   a. Inspect unit maintenance operations.
   b. Identify shortcomings.
   c. Make recommendations for corrective actions.
   d. Provide training in maintenance procedures.
   e. Provide training and technical assistance as needed for operations under extreme heat (up to 125 degrees Fahrenheit [F]).
      (1) Cooling systems. Check coolant level daily. Maintain coolant levels approximately two inches below the radiator overflow pipe if so equipped. Check radiator air passages for obstructions frequently. Check fan belt for proper tension. Check coolant temperature indicators frequently for any indication of overheating.
      (2) Lubrication. Make sure that lubricants used are as specified for the prevailing ambient temperature in the current lubrication order.
      (3) Fuel system. When filling the fuel tanks, allow sufficient space for fuel expansion.
      (4) Batteries. Check electrolyte level frequently. Add distilled water as required to compensate for evaporation.
      (5) Engine. Kept the external surface of the engine as clean as possible.
   f. Provide training and technical assistance as needed for operations in dusty or sandy areas.
      (1) General. If possible, provide shelter for the equipment. Use available natural barriers to shield the equipment from blowing dust or sand.
      (2) Cleaning. Wipe dust and sand from the equipment frequently. When possible, thoroughly washed down with clean water.
      (3) Engine. Shorten the service interval for the engine air cleaner and oil filter to compensate for intake of additional dust or dirt. Kept external surface of engine as clean as possible.
      (4) Fuel systems. Drain sediment from fuel tanks, fuel strainers, and fuel filters frequently. Was particularly careful to prevent dust or dirt from entering the fuel tank/fuel system. Shorten the service intervals for the fuel filters appropriately.
      (5) Lubrication. Lubrication intervals must be shortened appropriately. Use particular care to keep lubricants from becoming contaminated with dust or dirt.

3. Provide maintenance management to units.
   a. Review reports (Materiel Condition Status Report [MCSR] and (Unit Level Logistics System-Ground [ULLS-G]).
   b. Coordinate with higher-level maintenance activities.
   c. Direct cross-leveling of maintenance assets/workloads.
   d. Prioritize maintenance efforts of units.

Evaluation Preparation: None

Performance Measures	**GO**	**NO-GO**
1. Ensured unit maintenance procedures are in accordance with AR 750-1, DA Pamphlet 750-3, and local and MACOM policies.	___	___
1. Ensured unit maintenance procedures are in accordance with AR 750-1, DA Pamphlet 750-3, and local and major Army command (MACOM) policies. a. Reviewed unit SOPs for maintenance. b. Informed unit personnel of changes in policy and new policy that impacts unit SOP.	___	___
2. Provided technical assistance to unit maintenance activities.	___	___
2. Provided technical assistance to unit maintenance activities. a. Inspected unit maintenance operations. b. Identified shortcomings. c. Made recommendations for corrective actions. d. Provided training in maintenance procedures. e. Provided training and technical assistance as needed for operations under extreme heat (up to 125 degrees Fahrenheit [F]). (1) Cooled systems. Check coolant level daily. Maintain coolant levels approximately two inches below the radiator overflow pipe if so equipped. Check radiator air passages for obstructions frequently. Check fan belt for proper tension. Check coolant temperature indicators frequently for any indication of overheating. (2) Lubricated. Made sure that lubricants used are as specified for the prevailing ambient temperature in the current lubrication order. (3) Fueled system. When filling the fuel tanks, allow sufficient space for fuel expansion. (4) Batteries. Checked electrolyte level frequently. Add distilled water as required to compensate for evaporation. (5) Engine. Kept the external surface of the engine as clean as possible. f. Provided training and technical assistance as needed for operations in dusty or sandy areas. (1) General. If possible, provide shelter for the equipment. Use available natural barriers to shield the equipment from blowing dust or sand. (2) Cleaned. Wiped dust and sand from the equipment frequently. When possible, thoroughly washed down with clean water. (3) Engine. Shorten the service interval for the engine air cleaner and oil filter to compensate for intake of additional dust or dirt. Kept external surface of engine as clean as possible. (4) Fueled systems. Drain sediment from fuel tanks, fuel strainers, and fuel filters frequently. Was particularly careful to prevent dust or dirt from entering the fuel tank/fuel system. Shorten the service intervals for the fuel filters appropriately. (5) Lubrication. Lubricated intervals must be shortened appropriately. Use particular care to keep lubricants from becoming contaminated with dust or dirt.	___	___
3. Provided maintenance management to units.	___	___
3. Provided maintenance management to units. a. Reviewed reports (Materiel Condition Status Report [MCSR]). b. Coordinated with higher-level maintenance activities. c. Directed cross-leveling of maintenance assets/workloads. d. Prioritized maintenance efforts of units.	___	___

Performance Measures **GO** **NO-GO**

d. Prioritize maintenance efforts of units.

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
AR 385-10	
AR 600-55	
AR 700-138	
AR 700-4	
AR 710-2	
AR 725-50	
AR 735-5	
AR 750-1	
AR 750-43	
DA PAM 710-2-2	
DA PAM 750-1	
DA PAM 750-3	
FM 4-30.3	

Manage Maintenance Information Systems Reports

091-CLT-3012

Conditions: While stationed in Iraq, your Brigade is given the new Standard Army Maintenance System-1E (SAMS-1E) systems. As the shop foreman for your company, you must Identify the Objectives, Functions, and Management Tools of the SAMS-1E. In a contemporary operational environment (COE) given a computer system or systems with Standard Army Maintenance System-Level 1 Enhanced (SAMS-1E) software, database of equipment files, SAMS-1E operator, Automated Information Systems Manual (AISM)-25-L21-AHN-ZZZ-EM, AISM-25-L26-AHO-ZZZ-EM, Department of the Army (DA) Form 2407 (Maintenance Request), DA Pamphlet 750-8, and applicable references.

Standards: Supervise SAMS-1E functions of a field level maintenance shop in accordance with applicable references.

Performance Steps

1. Ensure necessary equipment and publications were available.
2. Ensure SAMS-1E operator was adequately trained.
3. Review the SAMS-1E system and the flow of information to and from system interfaces.
4. Review the purpose and use of SAMS-1E categories and codes.
5. Supervise the processing of maintenance requests (DA Form 2407).
6. Interpret SAMS-1E report to identify maintenance trends and problems.
7. Request and interpret ad hoc reports, as necessary.

Evaluation Preparation: None

Performance Measures	GO	NO-GO
1. Ensured necessary equipment and publications were available.	___	___
2. Accessed the SAMS-1E system.	___	___
3. Reviewed the SAMS-1E system and the flow of information to and from system interfaces.	___	___
4. Reviewed the purpose and use of SAMS-1E categories and codes.	___	___
5. Supervised the processing of maintenance requests (DA Form 2407).	___	___
6. Interpreted SAMS-1E report to identify maintenance trends and problems.	___	___
7. Requested and interpreted ad hoc reports, as necessary.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AISM-25-L26-AHO-ZZZ-EM	
DA FORM 2407	
DA PAM 750-8	

Subject Area 8: TECHNICAL TASKS (SKILL LEVEL 3)

Perform Diagnostic Procedures on the AGT 1500 Turbine Engine of the M1 Series Track Vehicle 091-91A-3028

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures on the AGT 1500 Turbine Engine of the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Maintain the gas turbine powerplant or pack and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Review work request.
2. Perform initial inspection.
3. Determine maintenance action to be performed.
4. Ensure task was within shop capability/authorization.
5. Ensure proper tools were available.
6. Identify and requisition repair parts, if required.
   a. AGT-1500.
   b. M1A1 Fuel Supply System.
7. Ensure TAMMS procedures are followed
8. Determine maintenance action required:
   a. Replace the inlet guide vane cable.
   b. Adjust the feedback voltage.
9. Ensure applicable publications are available.
10. Assign personnel to perform task.
11. Ensure all safety precautions are followed.
12. Provide assistance, if necessary.
13. Ensure task was performed to acceptable standards.
14. Conduct an in-process inspection.
15. Perform a final inspection.
16. Critique personnel on performance of task.
17. Ensure maintenance forms are completed, as required.
18. Ensure tools and equipment are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Reviewed work request.	____	____
2. Performed initial inspection.	____	____
3. Determined maintenance action to be performed.	____	____
4. Ensured task was within shop capability/authorization.	____	____
5. Ensured proper tools were available.	____	____
6. Identified and requisitioned repair parts, if required. a. AGT-1500. b. M1A1 Fuel Supply System.	____	____
7. Ensured TAMMS procedures are followed.	____	____
8. Determined maintenance action required. a. Replaced the inlet guide vane cable. b. Adjusted the feedback voltage.	____	____
9. Ensured applicable publications are available.	____	____
10. Assigned personnel to perform task.	____	____
11. Ensured all safety precautions are followed.	____	____
12. Provided assistance, if necessary.	____	____
13. Ensured task was performed to acceptable standards.	____	____
14. Conducted an in-process inspection.	____	____
15. Performed a final inspection.	____	____
16. Critiqued personnel on performance of task.	____	____
17. Ensured maintenance forms are completed, as required.	____	____
18. Ensured tools and equipment are properly maintained.	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
DA PAM 750-8	
LO 9-2350-264-12	
TM 9-2350-388-10-1	
TM 9-2350-388-23-1-1	
TM 9-2350-388-23-1-2	

References

Required	**Related**
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-2350-264-24-1	
TM 9-243	

Perform Diagnostic Procedures on the Electrical Mechanical Fuel Management System of the M1 Series Track Vehicle

091-91A-3034

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures on the Electrical Mechanical Fuel Management System"; Technical Manual (TM) 9-2350-388-10-1; TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7 TM 9-2350-264-24-1; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Perform diagnostic procedures on gas turbine fuel systems. Documented required maintenance actions. Supervise and assist personnel assigned to perform maintenance actions to ensure repair is performed to standard, with equipment being fully mission-capable. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Review work request.
2. Ensure task was within shop capability/authorization.
3. Ensure applicable technical publications were available.
4. Ensure proper tools were available to inspect, repair/replace, and tested the gas turbine fuel system.
5. Perform initial inspection.
6. Diagnose Gas Turbine Fuel System fault(s) by troubleshooting the M1A1 Fuel Supply System.
7. Determine maintenance action to be performed.
8. Identify repair parts and requisition, if required.
9. Assign personnel to perform task.
10. Ensure all safety precautions and procedures are followed.
11. Provide assistance, when necessary.
12. Ensure task is performed in accordance with appropriate TMs and references.
13. Conduct an in-process inspection.
14. Perform a final inspection to ensure gas turbine fuel system is fully mission-capable.
15. Critique personnel on performance of task.
16. Ensure maintenance forms are completed, as required.
17. Ensure tools and equipment are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When

working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Reviewed work request.	___	___
2. Ensured task was within shop capability/authorization.	___	___
3. Ensured applicable technical publications were available.	___	___
4. Ensured proper tools were available to inspect, repair/replace, and tested the gas turbine fuel system.	___	___
5. Performed initial inspection.	___	___
6. Diagnosed Gas Turbine Fuel System fault(s) by troubleshooting the M1A1 Fuel Supply System.	___	___
7. Determined maintenance action to be performed.	___	___
8. Identified repair parts and requisition, if required.	___	___
9. Assigned personnel to perform task.	___	___
10. Ensured all safety precautions and procedures are followed.	___	___
11. Provided assistance, when necessary.	___	___
12. Ensured task is performed in accordance with appropriate TMs and references.	___	___
13. Conducted an in-process inspection.	___	___
14. Performed a final inspection to ensure gas turbine fuel system is fully mission-capable.	___	___
15. Critiqued personnel on performance of task.	___	___
16. Ensured maintenance forms are completed, as required.	___	___
17. Ensured tools and equipment are properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	DA PAM 750-8
TM 9-2350-388-10-1	TM 9-2350-388-23-1-1
TM 9-2350-388-10-2	TM 9-2350-388-23-1-2
	TM 9-2350-388-23-1-3
	TM 9-2350-388-23-1-4
	TM 9-2350-388-23-1-5
	TM 9-2350-264-24-1
	TM 9-243

Perform Diagnostic Procedures on the Air Induction System of the M1 Series Track Vehicle

091-91A-3035

Conditions: In a contemporary operational environment (COE) given an M1 series Main Battle Tank; tool kit, multi-capable; DA 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures on the Air Induction System of the M1 Series Track Vehicle"; Technical Manual (TM) 9-2350-388-10-1; TM TM 9-2350-388-10-2; TM 9-2350-388-10-3; TM 9-2350-388-23-1-1; TM 9-2350-388-23-1-2; TM 9-2350-388-23-1-3; TM 9-2350-388-23-1-4; TM 9-2350-388-23-1-5; TM 9-2350-388-23-1-6; TM 9-2350-388-23-1-7 TM 9-2350-264-24-1; ; ; necessary tools and equipment as indicated in the TMs, test, measurement, and diagnostic equipment (TMDE); replacement parts; and supervision/assistance.

Standards: Perform diagnostic procedures on air induction system. Document required maintenance actions. Supervise and assist personnel assigned to perform maintenance actions to ensure repair is perform to standard, with equipment being fully mission-capable. When this task is complete, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Perform administrative action.
   a. Review work request.
   b. Perform initial inspection.
2. Ensure task was within shop capability/authorization.
   a. Select applicable technical publications.
   b. Select proper tools and test equipment.
3. Diagnose Air Induction System fault and determine maintenance action to be performed.
   a. Determine maintenance action to be performed.
   b. Identify repair parts and requisition, if required.
   c. Assign personnel to perform task.
4. Ensure all safety precautions and procedures are followed.
5. Ensure task is performed in accordance with appropriate TMs and references.
   a. Conduct an in-process inspection.
   b. Perform a final inspection to ensure air induction system is fully mission-capable.
6. Critique personnel on performance of task.
7. Ensure maintenance forms are completed, as required.
8. Ensure tools and equipment are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Performed administrative action. a. Reviewed work request.	____	____

Performance Measures	GO	NO-GO
b. Performed initial inspection.		
2. Ensured task was within shop capability/authorization. a. Selected applicable technical publications. b. Selected proper tools and test equipment.	___	___
3. Diagnosed Air Induction System fault and determine maintenance action to be performed. a. Determined maintenance action to be performed. b. Identified repair parts and requisition, if required. c. Assigned personnel to perform task.	___	___
4. Ensured all safety precautions and procedures are followed.	___	___
5. Ensured task is performed in accordance with appropriate TMs and references. a. Conducted an in-process inspection. b. Performed a final inspection to ensure air induction system is fully mission-capable.	___	___
6. Critiqued personnel on performance of task.	___	___
7. Ensured maintenance forms are completed, as required.	___	___
8. Ensured tools and equipment are properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-388-10-1	TM 9-2350-388-24P-1
TM 9-2350-388-10-2	
TM 9-2350-388-23-1-1	
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	

Perform Diagnostic Procedures on the Starting System of the M1 Series Track Vehicle

091-91A-3037

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; additional tools; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures on the Starting System of the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures on the Starting System of the M1 Series Track Vehicle in accordance with applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Select and use applicable technical publications.
2. Select and use applicable tools and TMDE.
3. Practice shop safety and maintenance discipline.
4. Inspect vehicle starting system and components
5. Diagnose fault(s) by troubleshooting the vehicle starting system.
6. Determine maintenance action to be performed.
7. Adjust and/or replace vehicle starting system and components.
8. Perform a final operational test to verify that the vehicle starting system malfunction is corrected to specification.
9. Annotate corrective actions taken on the DA Form 5988-E.
10. Maintain tools and equipment.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Selected and used applicable technical publications.	____	____
2. Selected and used applicable tools and TMDE.	____	____
3. Practiced shop safety and maintenance discipline.	____	____
4. Inspected vehicle starting system and components.	____	____
5. Diagnosed fault(s) by troubleshooting the vehicle starting system.	____	____
6. Determined maintenance action to be performed.	____	____
7. Adjusted and/or replaced vehicle starting system and components.	____	____

Performance Measures	GO	NO-GO
8. Performed a final operational test to verify that the vehicle starting system malfunction is corrected to specification.	___	___
9. Annotated corrective actions taken on the DA Form 5988-E.	___	___
10. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA PAM 750-8	
TM 9-2350-256-10	
TM 9-2350-256-20	
TM 9-2350-388-10-1	
TM 9-2350-388-23-1-1	
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-243	
TM 9-8000	

Perform Diagnostic Procedures on the Hull Electrical System of the M1 Series Track Vehicle

091-91A-3038

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures on the Hull Electrical System of the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures on the Hull Electrical System or pack and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Perform administrative action.
   a. Select and use applicable TMs.
   b. Select and use applicable tools and TMDE.
   c. Practice shop safety and maintenance discipline.
2. Diagnostic Hull Electrical System faults and determine maintenance action to be completed.
   a. Troubleshoot cable circuits, as applicable.
   b. Troubleshoot component, as applicable.
3. Repair electrical system cable, if damaged
4. Replace faulty component, as necessary.
5. Ensure all safety precautions and procedures are followed.
6. Perform final operational test to verify faults have been corrected.
7. Complete The Army Maintenance Management System (TAMMS) forms, as required.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Performed administrative action. a. Selected and used applicable TMs. b. Selected and used applicable tools and TMDE. c. Practiced shop safety and maintenance discipline.	____	____
2. Diagnosed Hull Electrical System faults and determine maintenance action to be completed. a. Troubleshoot cable circuits, as applicable. b. Troubleshoot component, as applicable.	____	____
3. Repaired electrical system cable, if damaged.	____	____

Performance Measures	GO	NO-GO
4. Replaced faulty component, as necessary.	___	___
5. Ensured all safety precautions and procedures are followed.	___	___
6. Performed final operational test to verify faults have been corrected.	___	___
7. Completed The Army Maintenance Management System (TAMMS) forms, as required.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-388-10-1	TM 9-2350-388-24P-1
TM 9-2350-388-10-2	
TM 9-2350-388-23-1-1	
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	

Perform Diagnostic Procedures on the Transmission Assembly of the M1 Series Track Vehicle

091-91A-3040

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures on the Transmission Assembly of the M1 Series Track Vehicle"; required tools and test equipment; and with minimum supervision.

Standards: Maintain the transmission assembly and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Perform administrative action.
   a. Select and use applicable TMs.
   b. Select and use applicable tools and TMDE.
   c. Practice shop safety and maintenance discipline.
2. Diagnose transmission assembly faults and determine maintenance action to be completed.
   a. Diagnose electrical components as applicable.
   b. Diagnose mechanical components as applicable.
3. Replace faulty component, as necessary.
4. Ensure all safety precautions and procedures are followed.
5. Perform final operational test to verify faults have been corrected.
6. Complete The Army Maintenance Management System (TAMMS) forms, as required.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required

Performance Measures	GO	NO-GO
1. Performed administrative action. a. Selected and used applicable TMs. b. Selected and used applicable tools and TMDE. c. Selected and used applicable tools and TMDE	___	___
2. Diagnosed transmission assembly faults and determined maintenance action to be completed. a. Diagnosed electrical components as applicable. b. Diagnosed mechanical components as applicable.	___	___
3. Replaced faulty component, as necessary.	___	___
4. Ensured all safety precautions and procedures were followed.	___	___
5. Performed final operational test to verify faults were corrected.	___	___

Performance Measures	GO	NO-GO
6. Completed The Army Maintenance Management System (TAMMS) forms, as required.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA PAM 750-8	
LO 9-2350-264-12	
TM 9-2350-388-10-1	
TM 9-2350-388-23-1-1	
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-243	

Perform Diagnostic Procedures on the Ready Ammo Door of the M1 Series Track Vehicle

091-91A-3046

Conditions: In a contemporary operational environment (COE) given an M1A1 tank with basic issue items (BII); repair parts; tool kit, multi-capable; safety equipment; additional tools, DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures on the Ready Ammo Door of the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of the ready ammo door system in accordance with applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Perform administrative action.
   a. Select and use applicable TM's.
   b. Select and use applicable tools and TMDE.
   c. Practice shop safety and maintenance discipline.
2. Diagnose ready ammo door and determine maintenance action to be performed.
3. Replace faulty component, as necessary.
4. Ensure all safety precautions and procedures are followed.
5. Perform final operational test to verify faults have been corrected.
6. Complete The Army Maintenance Management System (TAMMS) forms, as required.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Performed administrative action. a. Selected and used applicable TM's. b. Selected and used applicable tools and TMDE. c. Practiced shop safety and maintenance discipline.	____	____
2. Diagnosed ready ammo door and determined maintenance action to be performed.	____	____
3. Replaced faulty component, as necessary.	____	____
4. Ensured all safety precautions and procedures were followed.	____	____
5. Performed final operational test to verify faults were corrected.	____	____
6. Completed The Army Maintenance Management System (TAMMS) forms, as required.	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
DA PAM 750-8	
LO 9-2350-264-12	
TM 9-2350-388-10-1	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-264-24-2	
TM 9-243	

Perform Diagnostic Procedures on the External Auxiliary Power Unit of the M1 Series Track Vehicle

091-91A-3047

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures on the External Auxiliary Power Unit of the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures on the external auxiliary power unit, in accordance with applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Perform administrative action.
   a. Select and use applicable TMs.
   b. Select and use applicable tools and TMDE.
   c. Practice shop safety and maintenance discipline.
2. Diagnose the external auxiliary power unit and determine maintenance action to be performed.
3. Replace faulty component, as necessary.
4. Ensure all safety precautions and procedures are followed.
5. Perform final operational test to verify faults have been corrected.
6. Complete The Army Maintenance Management System (TAMMS) forms, as required.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Performed administrative action. a. Selected and used applicable TMs. b. Selected and used applicable tools and TMDE. c. Practiced shop safety and maintenance discipline.	____	____
2. Diagnosed the external auxiliary power unit and determine maintenance action performed.	____	____
3. Replaced faulty component, as necessary.	____	____
4. Ensured all safety precautions and procedures were followed.	____	____
5. Performed final operational test to verify faults were corrected.	____	____
6. Completed The Army Maintenance Management System (TAMMS) forms, as required.	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
DA FORM 5988-E	
DA PAM 750-8	
TM 9-2350-388-10-1	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	

Perform Diagnostic Procedures on the Fire Suppression System of the M1 Series Track Vehicle
091-91A-3048

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures on the Fire Suppression System of the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of fire suppression system, in accordance with applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupation specialty (MOS) 91A personnel are identified.

Performance Steps

1. Perform administrative actions.
   a. Select and use applicable technical manuals.
   b. Select and use applicable tools and test measurement, and diagnostic equipment (TMDE).
   c. Practice shop safety and maintenance discipline.
2. Diagnose fire suppression system faults and determine maintenance action to be performed.
   a. Perform System Test.
   b. Verify fire extinguishers are serviceable.
3. Ensure all safety precautions and procedures are followed.
4. Replace defective components, as necessary.
5. Perform final operational test to verify the faults have been corrected.
6. Complete The Army Maintenance Management System (TAMMS) forms, as required.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Performed administrative actions. a. Selected and used applicable technical manuals. b. Selected and used applicable tools and test measurement, and diagnostic equipment (TMDE). c. Practiced shop safety and maintenance discipline.	___	___
2. Diagnosed fire suppression system faults and determine maintenance action to be performed. a. Performed System Test. b. Verified fire extinguishers were serviceable.	___	___
3. Ensured all safety precautions and procedures were followed.	___	___
4. Replaced defective components, as necessary.	___	___
5. Performed final operational test to verify the faults were corrected.	___	___

Performance Measures	GO	NO-GO
6. Completed The Army Maintenance Management System (TAMMS) forms, as required.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	
DA PAM 750-8	
TM 11-6625-3052-14	
TM 9-2350-388-10-1	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-388-24P-2	

Perform Diagnostic Procedures on the Chemical Biological Radiological Nuclear Systems of the M1 Series Track Vehicle

091-91A-3049

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures on the Chemical Biological Radiological Nuclear Systems of the M1 Series Track Vehicle"; required tools and test equipment; and with minimum supervision.

Standards: Maintain the chemical biological radiological nuclear system and repair or replace its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Perform administrative actions.
   a. Select and use applicable technical manuals.
   b. Select and use applicable tools and test measurement, and diagnostic equipment (TMDE).
   c. Practice shop safety and maintenance discipline.
2. Diagnose the chemical biological radiological and nuclear system faults and determine maintenance action to be performed.
3. Ensure all safety precautions and procedures are followed.
4. Replace defective components, as necessary.
5. Perform final operational test to verify the faults have been corrected.
6. Complete The Army Maintenance Management System (TAMMS) forms, as required.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Performed administrative actions. a. Selected and used applicable technical manuals. b. Selected and used applicable tools and test measurement, and diagnostic equipment (TMDE). c. Practiced shop safety and maintenance discipline.	____	____
2. Diagnosed the chemical biological radiological and nuclear system faults and determined the maintenance action to be performed.	____	____
3. Ensured all safety precautions and procedures were followed.	____	____
4. Replaced defective components, as necessary.	____	____
5. Performed final operational test to verify the faults were corrected.	____	____

Performance Measures	GO	NO-GO
6. Completed The Army Maintenance Management System (TAMMS) forms, as required.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA PAM 750-8	
TM 9-2350-388-10-1	
TM 9-2350-388-23-1-1	
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	

Perform Diagnostic Procedures on the Commander's Weapon Station of the M1 Track Vehicle

091-91A-3050

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures on the Commander's Weapon Station of the M1 Track Vehicle"; required tools and test equipment; and with minimum supervision.

Standards: Maintain the cupola/commander's weapon station/hatch assembly and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Review work request.
2. Perform initial inspection.
3. Determine maintenance action to be performed.
4. Ensure task was within shop capability/authorization.
5. Ensure proper tools were available.
6. Identify and requisition repair parts, if required.
   a. Azimuth drive system.
   b. Firing circuit.
7. Ensure TAMMS procedures are followed.
8. Determine maintenance action to be performed.
9. Ensure applicable publications are available.
10. Assign personnel to perform task.
11. Ensure all safety precautions are followed.
12. Provide assistance, if necessary.
13. Ensure task is performed to acceptable standards.
14. Conduct an in-process inspection.
15. Perform a final inspection.
16. Critique personnel on performance of task.
17. Ensure tools and equipment are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Reviewed work request.	___	___
2. Performed initial inspection.	___	___
3. Determined maintenance action to be performed.	___	___
4. Ensured task was within shop capability/authorization.	___	___
5. Ensured proper tools were available.	___	___
6. Identified and requisition repair parts, if required. a. Azimuth drive system. b. Firing circuit.	___	___
7. Ensured TAMMS procedures are followed.	___	___
8. Determined maintenance action to be performed.	___	___
9. Ensured applicable publications are available.	___	___
10. Assigned personnel to perform task.	___	___
11. Ensured all safety precautions are followed.	___	___
12. Provided assistance, if necessary.	___	___
13. Ensured task is performed to acceptable standards.	___	___
14. Conducted an in-process inspection.	___	___
15. Performed a final inspection.	___	___
16. Critiqued personnel on performance of task.	___	___
17. Ensured tools and equipment are properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA PAM 750-8	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-264-24-2	
TM 9-243	

Perform Diagnostic Procedures on the Fire Control System of the M1 Series Track Vehicle

091-91A-3052

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures on the Fire Control System of the M1 Series Track Vehicle"; required tools and test equipment; and with minimum supervision.

Standards: Maintain the sighting and fire control system and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Perform administrative action.
   a. Select and use applicable technical manuals.
   b. Select and use applicable tools and TMDE.
   c. Practice shop safety and maintenance discipline.

2. Perform diagnostic procedures on Fire Control System.
   a. Computer subsystem.
   b. Ammunition select subsystem.
   c. Muzzle reference sensor.

3. Monitor Fault light.
   a. Computer subsystem.
   b. Ammunition select subsystem.
   c. Muzzle reference sensor.

4. Perform computer manual self test.
   a. Perform firing circuit test on main gun.
   b. Perform firing circuit test on machine guns.

5. Ensure task is performed to acceptable standards.
   a. Perform a final inspection.
   b. Critique personnel on performance of task.
   c. Ensure tools and equipment are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Performed administrative action. a. Selected and used applicable technical manuals. b. Selected and used applicable tools and TMDE. c. Practiced shop safety and maintenance discipline.	____	____
2. Performed diagnostic procedures on Fire Control System. a. Computer subsystem.	____	____

Performance Measures	GO	NO-GO
b. Ammunition select subsystem. c. Muzzle reference sensor.		
3. Monitored Fault light. a. Computer subsystem. b. Ammunition select subsystem. c. Muzzle reference sensor.	___	___
4. Performed computer manual self test. a. Performed computer manual self test. b. Performed firing circuit test on machine guns.	___	___
5. Ensured task is performed to acceptable standards. a. Performed a final inspection. b. Critiqued personnel on performance of task. c. Ensured tools and equipment are properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-388-10-1	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-264-24-2	
TM 9-243	

Perform Diagnostic Procedures on the Sighting Systems of the M1 Series Track Vehicle

091-91A-3053

Conditions: In a contemporary operational environment (COE) given a DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures on the Sighting Systems of the M1 Series Track Vehicle", required tools and test equipment, and with minimum supervision.

Standards: Perform diagnostic procedures on the Sighting Systems of the M1 Series Track Vehicle and replace or repair its components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable, or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Perform administrative action.
   a. Select and use applicable technical manuals.
   b. Select and use applicable tools and TMDE.
   c. Practice shop safety and maintenance discipline.

2. Perform diagnostic procedures on Sighting System.
   a. Perform computer manual self test.
   b. Check for loose electrical connectors and obvious damage to harnesses.
   c. Isolate the fault.

3. Perform alternate troubleshooting procedures for fault.
   a. Identify defective component.
   b. Replace defective component.

4. Perform final operational test to verify the faults have been corrected.
   a. Perform computer manual self test.
   b. Ensure task is performed to acceptable standards.
   c. Ensure tools and equipment are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Performed administrative action. a. Selected and used applicable technical manuals. b. Selected and used applicable tools and TMDE. c. Practiced shop safety and maintenance discipline.	____	____
2. Performed diagnostic procedures on Sighting System. a. Performed computer manual self test b. Checked for loose electrical connectors and obvious damage to harnesses. c. Isolated the fault.	____	____
3. Performed alternate troubleshooting procedures for fault. a. Identified defective component.	____	____

Performance Measures	GO	NO-GO
b. Replaced defective component.		
4. Performed final operational test to verify the faults have been corrected. a. Performed computer manual self test. b. Ensured task is performed to acceptable standards. c. Ensured tools and equipment are properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA PAM 750-8	
TM 9-2350-388-10-1	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-264-24-2	
TM 9-243	

Perform Diagnostic Procedures on the Thermal Imaging System of the M1 Series Track Vehicle

091-91A-3054

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures on the Thermal Imaging System of the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures on the Thermal Imaging System of the M1 Series Track Vehicle in accordance with applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Review work request.
2. Perform initial inspection.
   a. Ensure applicable publications are available.
   b. Ensure all safety precautions are followed.
3. Determine maintenance action to be performed.
4. Ensure task was within shop capability/authorization.
5. Ensure proper tools are available.
6. Identify and requisitioned repair parts, if required.
   a. Computer subsystem.
   b. Thermal Imaging System.
7. Perform a final inspection.
   a. Ensure task is performed to acceptable standards.
   b. Ensure tools and equipment are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Reviewed work request.	____	____
2. Performed initial inspection. a. Ensured applicable publications are available. b. Ensured all safety precautions are followed.	____	____
3. Determined maintenance action to be performed.	____	____
4. Ensured task was within shop capability/authorization.	____	____
5. Ensured proper tools are available.	____	____
6. Identified and requisitioned repair parts, if required.	____	____

Performance Measures	GO	NO-GO
a. Computer subsystem. b. Thermal Imaging System.		
7. Performed a final inspection. a. Ensured task is performed to acceptable standards. b. Ensured tools and equipment are properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	
DA PAM 750-8	
TM 11-6625-3052-14	
TM 9-2350-388-10-1	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-264-24-2	
TM 9-2350-388-24P-2	
TM 9-4910-751-14&P	

Perform Diagnostic Procedures of the Turret Drive System of the M1 Series Track Vehicle

091-91A-3055

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures of the Turret Drive System of the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of the turret drive system in accordance with applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Perform administrative actions.
   a. Select and use applicable technical manuals.
   b. Select and use applicable tools and test measurement, and diagnostic equipment (TMDE).
   c. Practice shop safety and maintenance discipline.

2. Perform diagnostic procedures of Turret Drive System.
   a. Inspect cables for damage.
   b. Connect test equipment.
   c. Follow test procedures.

3. Determine maintenance action required.
   a. Ensure hydraulic pressure is zero.
   b. Replace faulty component.

4. Perform a final inspection.
   a. Ensure task was performed to acceptable standards.
   b. Ensure maintenance forms are completed, as required.
   c. Ensure tools and equipment are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Performed administrative actions. a. Selected and used applicable technical manuals. b. Selected and used applicable tools and test measurement, and diagnostic equipment (TMDE). c. Practiced shop safety and maintenance discipline.	___	___
2. Performed diagnostic procedures of Turret Drive System. a. Inspected cables for damage. b. Connected test equipment. c. Followed test procedures.	___	___
3. Determined maintenance action required.	___	___

Performance Measures	GO	NO-GO
a. Ensured hydraulic pressure is zero.		
b. Replaced faulty component.		
4. Performed a final inspection.	___	___
a. Ensured task was performed to acceptable standards.		
b. Ensured maintenance forms are completed, as required.		
c. Ensured tools and equipment are properly maintained.		

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	
DA PAM 750-8	
TM 9-2350-388-10-1	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-388-34-2-1	
TM 9-2350-388-34-2-2	

Performed Diagnostic Procedures of the Elevation System of the M1 Series Track Vehicle

091-91A-3056

Conditions: In a contemporary operational environment (COE) given an M1A1 tank with basic issue items (BII); repair parts; tool kit, multi-capable; safety equipment; additional tools, DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Performed Diagnostic Procedures of the Elevation System of the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Performed diagnostic procedures of the Elevation System of the M1 Series Track Vehicle in accordance with applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Perform administrative action.
   a. Select and use applicable technical manuals.
   b. Select and use applicable tools and TMDE.
   c. Practice shop safety and maintenance discipline.

2. Set tank controls for standard initial test conditions.
   a. Gun turret drive switch in power position.
   b. Fire control switch in normal or emergency.
   c. MRS level in the IN position.

3. Perform diagnostic procedures on Elevation System.
   a. Check for loose electrical connectors, obvious damage to harnesses and leaks.
   b. Ensure hydraulic pressure is at 1,500 psi and auxiliary hydraulic switch on.
   c. Perform computer manual self test.

4. Elevate and depress main gun with gunner's control handles.
   a. Elevate ad depress main gun with commander's control handles.
   b. Manually elevate and depress main gun.
   c. Lock main gun in travel lock.

5. Ensure task is performed to acceptable standards.
   a. Inspect hydraulic hoses and hydraulic components for leaks.
   b. Ensure tools and equipment are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Performed administrative action. a. Selected and used applicable technical manuals. b. Selected and used applicable tools and TMDE. c. Practiced shop safety and maintenance discipline.	____	____
2. Set tank controls for standard initial test conditions.	____	____

Performance Measures	GO	NO-GO
a. Gun turret drive switch in power position. b. Fire control switch in normal or emergency. c. MRS level in the IN position.		
3. Performed diagnostic procedures on Elevation System. a. Checked for loose electrical connectors, obvious damage to harnesses and leaks. b. Ensured hydraulic pressure is at 1,500 psi and auxiliary hydraulic switch on. c. Performed computer manual self test.	___	___
4. Elevated and depressed main gun with gunner's control handles. a. Elevated ad depressed main gun with commander's control handles. b. Manually elevated and depressed main gun. c. Locked main gun in travel lock.	___	___
5. Ensured task is performed to acceptable standards. a. Inspected hydraulic hoses and hydraulic components for leaks. b. Ensured tools and equipment are properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA PAM 750-8	
LO 9-2350-264-12	
TM 9-1000-202-14	
TM 9-2350-388-10-1	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-264-24-2	

Perform Diagnostic Procedures of the Main Weapon System of the M1 Series Track Vehicle

091-91A-3058

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures of the Main Weapon System of the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of the main weapon system in accordance with applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Perform administrative action.
   a. Select and use applicable technical manuals.
   b. Select and use applicable tools and TMDE
   c. Practice shop safety and maintenance discipline.

2. Perform diagnostic procedures on main weapon systems.
   a. Perform computer manual self test.
   b. Check main gun firing pin.

3. Set tank controls for standard initial test conditions.
   a. Select ammo type.
   b. Fire control switch in normal mode.
   c. Move main gun safety switch to armed position.

4. Perform main gun firing circuit test.
   a. Fire main gun from commander's control handle.
   b. Fire main gun from gunner's control handle.
   c. Fire main gun from elevation hand pump.
   d. Fire main gun from blasting machine.

5. Ensure task is performed to acceptable standards.
   a. Ensure main gun safety switch in safe position.
   b. Ensure tools and equipment are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Performed administrative action. a. Selected and used applicable technical manuals. b. Selected and used applicable tools and TMDE. c. Practiced shop safety and maintenance discipline.	____	____
2. Performed diagnostic procedures on main weapon systems. a. Performed computer manual self test.	____	____

Performance Measures	GO	NO-GO
b. Checked main gun firing pin.		
3. Set tank controls for standard initial test conditions. a. Selected ammo type. b. Fired control switch in normal mode. c. Moved main gun safety switch to armed position.	___	___
4. Performed main gun firing circuit test. a. Fired main gun from commander's control handle. b. Fired main gun from gunner's control handle. c. Fired main gun from elevation hand pump. d. Fired main gun from blasting machine.	___	___
5. Ensured task is performed to acceptable standards. a. Ensured main gun safety switch in safe position. b. Ensured tools and equipment are properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	
DA PAM 750-8	
TM 11-6625-3052-14	
TM 9-2350-388-10-1	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-264-24-2	
TM 9-2350-388-24P-2	
TM 9-4910-751-14&P	

Perform Diagnostic Procedures of the Turret Electrical of the M1 Series Track Vehicle

091-91A-3059

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures of the Turret Electrical of the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of turret electrical systems in accordance with applicable TMs. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Perform administrative action.
   a. Select and use applicable technical publications.
   b. Select and use applicable tools and TMDE.
   c. Practice shop safety and maintenance discipline.
2. Perform diagnostic procedures of Turret Electrical System.
   a. Check for loose electrical connectors and obvious damage to harnesses.
   b. Perform panel lights test.
   c. Perform computer manual self test.
3. Set tank controls for standard initial test conditions.
4. Check turret circuit breakers on Turret Network Box.
5. Ensure task is performed to acceptable standards.
6. Ensure tools and equipment are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Performed administrative action. a. Selected and used applicable technical publications. b. Selected and used applicable tools and TMDE. c. Practiced shop safety and maintenance discipline.	____	____
2. Performed diagnostic procedures of Turret Electrical System. a. Checked for loose electrical connectors and obvious damage to harnesses. b. Performed panel lights test. c. Performed computer manual self test.	____	____
3. Set tank controls for standard initial test conditions.	____	____
4. Checked turret circuit breakers on Turret Network Box.	____	____
5. Ensured task is performed to acceptable standards.	____	____

Performance Measures	GO	NO-GO
6. Ensured tools and equipment are properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA PAM 750-8	
LO 9-2350-264-12	
TM 9-2350-388-10-1	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-264-24-2	
TM 9-243	

Perform Diagnostic Procedures of the Turret Hydraulics of the M1 Series Track Vehicle

091-91A-3060

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures of the Turret Hydraulics of the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of the turret hydraulic systems in accordance with applicable TMs. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Perform administrative action.
   a. Select and use applicable technical publications.
   b. Select and use applicable tools and TMDE.
   c. Practice shop safety and maintenance discipline.
2. Inspect hydraulic system components.
   a. Bleed air from hydraulic system.
   b. Prime the manual elevation hand pump assembly.
   c. Bleed air from the manual elevation hand pump.
3. Replace elevation servomechanism fluid filter.
4. Replace and charge main hydraulic accumulator.
5. Perform a final operational test to verify hydraulic system malfunction is corrected to specification.
   a. Annotate corrective actions taken on DA Form 5988-E.
   b. Maintain tools and equipment.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Performed administrative action. a. Selected and used applicable technical publications. b. Selected and used applicable tools and TMDE. c. Practiced shop safety and maintenance discipline.	____	____
2. Inspected hydraulic system components. a. Bleed air from hydraulic system. b. Primed the manual elevation hand pump assembly. c. Bleed air from the manual elevation hand pump.	____	____
3. Replaced elevation servomechanism fluid filter.	____	____
4. Replaced and charge main hydraulic accumulator.	____	____

Performance Measures	GO	NO-GO
5. Performed a final operational test to verify hydraulic system malfunction is corrected to specification. a. Annotated corrective actions taken on DA Form 5988-E. b. Maintained tools and equipment.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA PAM 750-8	
LO 9-2350-264-12	
TM 9-2350-388-10-1	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-264-24-2	
TM 9-243	

Perform Diagnostic Procedures of the Hull Hydraulic System of the M1 Series Track Vehicle

091-91A-3061

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Diagnostic Procedures of the Hull Hydraulic System of the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of the Hull Hydraulic System of the M1 Series Track Vehicle, replace all applicable components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Perform administrative action.
   a. Select and use applicable technical publications.
   b. Select and use applicable tools and TMDE.
   c. Practice shop safety and maintenance discipline.

2. Inspect hull hydraulic system components.
   a. Check quick disconnect on pump.
   b. Check hydraulic break accumulator.

3. Perform diagnostic procedures of Hull Hydraulic System.
   a. Check for loose electrical connectors, obvious damage to harnesses and leaks.
   b. Check hydraulic system warning light.
   c. Check hydraulic pressure read between 1,500 to 1,700 psi.

4. Check hydraulic reservoir fluid level.

5. Operate bilge pump.

6. Ensure task is performed to acceptable standards.
   a. Inspect hydraulic hoses and hydraulic components for leaks.
   b. Ensure tools and equipment are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Performed administrative action. a. Selected and used applicable technical publications. b. Selected and used applicable tools and TMDE. c. Practiced shop safety and maintenance discipline.	____	____
2. Inspected hull hydraulic system components. a. Checked quick disconnect on pump. b. Checked hydraulic break accumulator.	____	____

Performance Measures	GO	NO-GO
3. Performed diagnostic procedures of Hull Hydraulic System. a. Checked for loose electrical connectors, obvious damage to harnesses and leaks. b. Checked hydraulic system warning light. c. Checked hydraulic pressure read between 1,500 to 1,700 psi.	___	___
4. Checked hydraulic reservoir fluid level.	___	___
5. Operated bilge pump.	___	___
6. Ensured task is performed to acceptable standards. a. Inspected hydraulic hoses and hydraulic components for leaks. b. Ensured tools and equipment are properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	
DA PAM 750-8	
TM 9-2350-388-10-1	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	

Perform Battlefield Damage Assessment and Repair of the M1 Series Track Vehicle

091-91A-3066

Conditions: In a field or garrison environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; additional tools, DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Perform Battlefield Damage Assessment and Repair of the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform battlefield damage assessment and repair (BDAR) of track vehicle armament/automotive systems. Document required maintenance actions. Supervise and assist personnel assigned to perform BDAR to ensure repair is performed to acceptable standards, with equipment being capable of functioning in a battlefield environment. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Review work request/commander's directive.
2. Ensure applicable technical publications are available.
3. Inspect vehicle to diagnose damages.
4. Determine necessary BDAR repairs.
5. Ensure proper tools are available to perform BDAR for track vehicle armament/automotive systems.
6. Assign personnel to assist in BDAR.
7. Ensure all safety precautions and procedures are followed.
8. Ensure task is performed in accordance with appropriate TMs and references.
9. Conduct an in-process inspection.
10. Perform a final inspection to ensure the vehicle armament/automotive systems are capable of functioning in a battlefield environment.
11. Critique personnel on performance of the task.
12. Ensure maintenance forms are completed, as required.
13. Ensure tools and equipment are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Reviewed work request/commander's directive.	____	____
2. Ensured applicable technical publications were available.	____	____
3. Inspected vehicle to diagnose damages.	____	____

Performance Measures	GO	NO-GO
4. Determined necessary BDAR repairs.	___	___
5. Ensured proper tools are available to perform BDAR for track vehicle armament/automotive systems.	___	___
6. Assigned personnel to assist in BDAR.	___	___
7. Ensured all safety precautions and procedures are followed.	___	___
8. Ensured task is performed in accordance with appropriate TMs and references.	___	___
9. Conducted an in-process inspection.	___	___
10. Performed a final inspection to ensure the vehicle armament/automotive systems are capable of functioning in a battlefield environment.	___	___
11. Critiqued personnel on performance of the task.	___	___
12. Ensured maintenance forms are completed, as required.	___	___
13. Ensured tools and equipment are properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA PAM 750-8	
LO 9-2350-256-12	
LO 9-2350-264-12	
TM 9-2350-256-10	
TM 9-2350-256-20	
TM 9-2350-388-10-1	
TM 9-2350-388-23-1-1	
TM 9-2350-388-23-1-2	
TM 9-2350-388-23-1-3	
TM 9-2350-388-23-1-4	
TM 9-2350-388-23-1-5	
TM 9-243	

Maintain the Turret Drive Angle Unit on a M1 Series Track Vehicle

091-91A-3068

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Maintain the Turret Drive Angle Unit on a M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of the turret drive unit angle, in accordance with applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Perform administrative actions.
   a. Select and use applicable technical manuals.
   b. Select and use applicable tools and test measurement, and diagnostic equipment (TMDE).
   c. Practice shop safety and maintenance discipline.

2. Inspect Turret Drive Angle Unit.
   a. Inspect hydraulic system components for leaks.
   b. Inspect electrical connectors and obvious damage to harnesses.
   c. Inspect hydraulic manifolds.

3. Replace hydraulic filters.
   a. Replace elevation and traverse servo filters.
   b. Replace hydraulic reservoir filters.

4. Ensure task is performed to acceptable standards.

5. Ensure tools and equipment are properly maintained.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Performed administrative actions. a. Selected and used applicable technical manuals. b. Selected and used applicable tools and test measurement, and diagnostic equipment (TMDE). c. Practiced shop safety and maintenance discipline.	____	____
2. Inspected Turret Drive Angle Unit. a. Inspected hydraulic system components for leaks. b. Inspected electrical connectors and obvious damage to harnesses. c. Inspected hydraulic manifolds.	____	____
3. Replaced hydraulic filters. a. Replaced elevation and traverse servo filters. b. Replaced hydraulic reservoir filters.	____	____

Performance Measures	GO	NO-GO
4. Ensured task is performed to acceptable standards.	___	___
5. Ensured tools and equipment are properly maintained.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	
DA PAM 750-8	
TM 9-2350-388-10-1	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	

Repair the Turret Race Ring Assembly on the M1 Series Track Vehicle

091-91A-3073

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Repair the Turret Race Ring Assembly on the M1 Series Track Vehicle "; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of turret ring assembly, in accordance with applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Perform administrative actions.
   a. Select and use applicable technical manuals.
   b. Select and use applicable tools and test measurement, and diagnostic equipment (TMDE).
   c. Practice shop safety and maintenance discipline.
2. Diagnose the turret race ring assembly and determine maintenance action to be performed.
3. Ensure all safety precautions and procedures are followed.
4. Replace defective components, as necessary.
5. Perform a final operational test to verify that the cannon assembly malfunction is corrected to specification.
6. Complete The Army Maintenance Management System (TAMMS) forms, as required.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Performed administrative actions. a. Selected and used applicable technical manuals. b. Selected and used applicable tools and test measurement, and diagnostic equipment (TMDE). c. Practiced shop safety and maintenance discipline.	____	____
2. Diagnosed the turret race ring assembly and determined maintenance action to be performed.	____	____
3. Ensured all safety precautions and procedures were followed.	____	____
4. Replaced defective components, as necessary.	____	____
5. Performed a final operational test to verify that the cannon assembly malfunction(s) were corrected to specification.	____	____

Performance Measures	GO	NO-GO
6. Completed The Army Maintenance Management System (TAMMS) forms, as required.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	
DA PAM 750-8	
TM 9-2350-388-10-1	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	

Repair Elevating Mechanism Assembly on the M1 Series Track Vehicle

091-91A-3082

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Repair Elevating Mechanism Assembly on the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of elevating systems in accordance with applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Perform administrative actions.
   a. Select and use applicable technical manuals.
   b. Select and use applicable tools and TMDE.
   c. Practice shop safety and maintenance discipline.
2. Inspect the elevating system component(s).
3. Replace hydraulic turret valve.
   a. Torque turret valve to specification.
   b. Ensure all four electrical connectors are locked in place.
   c. Tighten all hydraulic hoses and tubes a half turn past the point of firm resistance.
4. Replace elevation servo mechanism fluid filter.
5. Bleed air from hydraulic system.
6. Prime the manual elevation hand pump assembly.
7. Bleed air from the manual elevation hand pump assembly.
8. Adjust the zero degree elevation switch.
9. Perform troubleshooting malfunction of gun elevation subsystem.
10. Replace and charge main hydraulic accumulator.
11. Replace and charge manual hydraulic accumulator.
12. Perform a final operational test to verify that the elevating system malfunction(s) is corrected to specification.
13. Complete The Army Maintenance Management System (TAMMS) forms, as required.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Performed administrative actions. a. Selected and used applicable technical publications. b. Selected and used applicable tools and TMDE. c. Practiced shop safety and maintenance discipline.	___	___
2. Inspected the elevating system component(s).	___	___
3. Replaced hydraulic turret valve. a. Torqued turret valve to specification. b. Ensured all four electrical connectors were locked in place. c. Tightened all hydraulic hoses and tubes a half turn past the point of firm resistance.	___	___
4. Replaced elevation servo mechanism fluid filter.	___	___
5. Bleed air from hydraulic system.	___	___
6. Primed the manual elevation hand pump assembly.	___	___
7. Bleed air from the manual elevation hand pump assembly.	___	___
8. Adjusted the zero degree elevation switch.	___	___
9. Performed troubleshooting malfunction of gun elevation subsystem.	___	___
10. Replaced and charged main hydraulic accumulator.	___	___
11. Replaced and charged manual hydraulic accumulator.	___	___
12. Performed a final operational test to verify that the elevating system malfunction(s) were corrected to specification.	___	___
13. Completed The Army Maintenance Management System (TAMMS) forms, as required.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA PAM 750-8	
LO 9-2350-264-12	
TM 9-1000-202-14	
TM 9-2350-388-10-1	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-264-24-2	
TM 9-243	

Replace Rod End Bearing, Plain on the M1 Series Track Vehicle

091-91A-3083

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Replace Rod End Bearing, Plain on the M1 Series Track Vehicle "; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of cannon assemblies in accordance with applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Perform administrative actions.
   a. Select and use applicable technical manuals.
   b. Select and use applicable tools and test measurement, and diagnostic equipment (TMDE).
   c. Practice shop safety and maintenance discipline.

2. Diagnose the plain rod end bearing and determine maintenance action to be performed.
   a. Remove safety wire and hose clamp from rod end.
   b. Push dust and moisture seal boot back to uncover wrench flats.
   c. Loosen nut, hold piston, pull away key washer and remove rod end.

3. Ensure all safety precautions and procedures are followed.

4. Replace defective components, as necessary.

5. Perform rod end bearing adjustment.
   a. Measure distance must be 12.75 in (32.39 cm).
   b. Install required two clamps and replace old screws and lock washers.
   c. Torque screws between 250 to 300 lb-ft.
   d. Do not install safety wire screws until operation of elevation mechanism is tested in manual mode.
   e. Verify proper operation of elevation mechanism and Install boot and safety wire bolts.

6. Perform a final operational test to verify that the rod end bearing malfunction is corrected to specification.

7. Complete The Army Maintenance Management System (TAMMS) forms, as required.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Performed administrative actions. a. Selected and used applicable technical manuals. b. Selected and used applicable tools and test measurement, and diagnostic equipment (TMDE). c. Practiced shop safety and maintenance discipline.	____	____

Performance Measures	GO	NO-GO
2. Diagnosed the plain rod end bearing and determined maintenance action to be performed. a. Removed safety wire and hose clamp from rod end. b. Pushed dust and moisture seal boot back to uncover wrench flats. c. Correctly removed rod end.	___	___
3. Ensured all safety precautions and procedures were followed.	___	___
4. Replaced defective components, as necessary.	___	___
5. Performed rod end bearing adjustment. a. Measured distance between rod end and cylinder rod (12.75 in /32.39 cm). b. Installed required two clamps and replaced old screws and lock washers. c. Torqued screws between 250 to 300 lb-ft. d. Did not install safety wire screws until operation of elevation mechanism was tested in manual mode. e. Verified proper operation of elevation mechanism and Installed boot and safety wire bolts.	___	___
6. Performed a final operational test to verify that the cannon assembly malfunction(s) were corrected to specification.	___	___
7. Completed The Army Maintenance Management System (TAMMS) forms, as required.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-388-34-2-1	
TM 9-2350-388-34-2-2	

Repair Gun Mount Assembly on the M1 Series Track Vehicle

091-91A-3085

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Repair Gun Mount Assembly on the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of cannon assemblies in accordance with applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Perform administrative actions.
   a. Select and use applicable technical manuals.
   b. Select and use applicable tools and test measurement, and diagnostic equipment (TMDE).
   c. Practice shop safety and maintenance discipline.
2. Diagnose the gun mount assembly and determine maintenance action to be performed.
3. Ensure all safety precautions and procedures are followed.
4. Replace defective components, as necessary.
5. Perform a final operational test to verify that the cannon assembly malfunction is corrected to specification.
6. Complete The Army Maintenance Management System (TAMMS) forms, as required.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Performed administrative actions. a. Selected and used applicable technical manuals. b. Selected and used applicable tools and test measurement, and diagnostic equipment (TMDE). c. Practiced shop safety and maintenance discipline.	____	____
2. Diagnosed the gun mount assembly and determined maintenance action to be performed.	____	____
3. Ensured all safety precautions and procedures were followed.	____	____
4. Replaced defective components, as necessary.	____	____
5. Performed a final operational test to verify that the cannon assembly malfunction is corrected to specification.	____	____

Performance Measures	GO	NO-GO
6. Completed The Army Maintenance Management System (TAMMS) forms, as required.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-388-34-2-1	
TM 9-2350-388-34-2-2	

Repair Door Assembly, Ammunition on the M1 Series Track Vehicle

091-91A-3088

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Repair Door Assembly, Ammunition on the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of ammunition door assembly in accordance with applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Perform administrative actions.
   a. Select and use applicable technical manuals.
   b. Select and use applicable tools and test measurement, and diagnostic equipment (TMDE).
   c. Practice shop safety and maintenance discipline.
2. Diagnose the ammunition door assembly and determine maintenance action to be performed.
   a. Troubleshoot Door Electrical System.
   b. Troubleshoot Door Hydraulic System.
3. Ensure all safety precautions and procedures are followed.
4. Replace defective components, as necessary.
5. Perform a final operational test to verify that the cannon assembly malfunction is corrected to specification.
6. Complete The Army Maintenance Management System (TAMMS) forms, as required.

Evaluation Preparation: All operations will be performed to protect and preserve Army personnel and property against accidental loss. Procedures will provide for public safety incidental to Army operations and activities and safe and healthful workplaces, procedures, and equipment. Observe all safety and/or environment precautions regarding electricity, fuel, lubricants, and high pressures. Provide ventilation for exhaust fumes during equipment operation and use hearing protection when required in accordance with AR 385-10, the Clean Air Act (CAA), and the CAA amendments, and the OSHA Hazard Communication standard.

Performance Measures	**GO**	**NO-GO**
1. Performed administrative actions. a. Selected and used applicable technical manuals. b. Selected and used applicable tools and test measurement, and diagnostic equipment (TMDE). c. Practiced shop safety and maintenance discipline.	____	____
2. Diagnosed the ammunition door assembly and determined maintenance action to be performed. a. Diagnosed Door Electrical System. b. Diagnosed Door Hydraulic System.	____	____
3. Ensured all safety precautions and procedures were followed.	____	____
4. Replaced defective components, as necessary.	____	____

Performance Measures	GO	NO-GO
5. Performed a final operational test to verify that the cannon assembly malfunction was corrected to specification.	___	___
6. Completed The Army Maintenance Management System (TAMMS) forms, as required.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-388-10-1	
TM 9-2350-388-10-2	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	

Maintain the 120MM Gun Cannon on the M1 Series Track Vehicle

091-91A-3090

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Maintain the 120MM Gun Cannon on the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Perform diagnostic procedures of cannon assemblies in accordance with applicable technical publications. When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than military occupational specialty (MOS) 91A personnel are identified.

Performance Steps

1. Perform administrative actions.
   a. Select and use applicable technical manuals.
   b. Select and use applicable tools and test measurement, and diagnostic equipment (TMDE).
   c. Practice shop safety and maintenance discipline.
2. Diagnose the 120MM gun cannon and determine maintenance action to be performed.
   a. Replace operating shafts and bearings.
   b. Repair breechblock.
   c. Repair closing piston assembly.
   d. Perform breechblock function check.
3. Ensure all safety precautions and procedures are followed.
4. Replace defective components, as necessary.
5. Perform a final operational test to verify that the cannon assembly malfunction is corrected to specification.
6. Complete The Army Maintenance Management System (TAMMS) forms, as required.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	GO	NO-GO
1. Performed administrative actions. a. Selected and used applicable technical manuals. b. Selected and used applicable tools and test measurement, and diagnostic equipment (TMDE). c. Practiced shop safety and maintenance discipline.	____	____
2. Diagnosed the 120MM gun cannon and determine maintenance action to be performed. a. Replaced operating shafts and bearings. b. Repaired breechblock. c. Repaired closing piston assembly. d. Performed breechblock function check.	____	____

Performance Measures	GO	NO-GO
3. Ensured all safety precautions and procedures are followed.	___	___
4. Replaced defective components, as necessary.	___	___
5. Performed a final operational test to verify that the cannon assembly malfunction is corrected to specification.	___	___
6. Completed The Army Maintenance Management System (TAMMS) forms, as required.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA PAM 750-8	
LO 9-2350-264-12	
TM 9-1000-202-14	
TM 9-2350-388-10-1	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-264-24-2	

Replace the Turret on the M1 Series Track Vehicle

091-91A-3092

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Replace the Turret on the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Replace the turret on the M1 Series Track Vehicle, and all applicable components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Perform administrative actions.
   a. Select and use applicable technical manuals.
   b. Select and use applicable tools and test measurement, and diagnostic equipment (TMDE).
   c. Practice shop safety and maintenance discipline.

2. Diagnose turret and determine maintenance action to be performed.
   a. Prepare turret for removal.
      (1) Disconnect hydraulic lines.
      (2) Remove traverse gear box.
      (3) Remove required electrical components and cables.
      (4) Unbolt turret form vehicle hull.
   b. Inventory applicable special tools required.
      (1) Over head lift/crane.
      (2) Turret sling.
      (3) Turret stand.

3. Ensure all safety precautions and procedures are followed.

4. Replace defective components, as necessary.

5. Perform final operational test to verify the faults have been corrected.

6. Complete The Army Maintenance Management System (TAMMS) forms, as required.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Performed administrative actions. a. Selected and used applicable technical manuals. b. Selected and used applicable tools and test measurement, and diagnostic equipment (TMDE). c. Practiced shop safety and maintenance discipline.	____	____
2. Diagnosed turret and determined maintenance action to be performed.	____	____

Performance Measures	GO	NO-GO
a. Prepared turret for removal. (1) Disconnected hydraulic lines. (2) Removed traverse gear box. (3) Removed required electrical components and cables. (4) Unbolted turret form vehicle hull. b. Inventoried applicable special tools required. (1) Over head lift/crane. (2) Turret sling. (3) Turret stand.		
3. Ensured all safety precautions and procedures were followed.	___	___
4. Replaced defective components, as necessary.	___	___
5. Performed final operational test to verify the faults have been corrected.	___	___
6. Completed The Army Maintenance Management System (TAMMS) forms, as required.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
DA FORM 5988-E	
DA PAM 750-8	
TM 9-2350-388-10-1	
TM 9-2350-388-23-2-1	
TM 9-2350-388-23-2-2	
TM 9-2350-388-23-2-3	
TM 9-2350-388-23-2-4	
TM 9-2350-388-34-2-1	
TM 9-2350-388-34-2-2	

Replace the Main Gun Tube on the M1 Series Track Vehicle

091-91A-3094

Conditions: In a contemporary operational environment (COE) given an applicable vehicle; repair parts; tool kit, multi-capable; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) stating "Replace the Main Gun Tube on the M1 Series Track Vehicle"; test, measurement, and diagnostic equipment (TMDE); and equipment as indicated in technical manuals (TMs); applicable technical publications; and supervision/assistance.

Standards: Replace the Main Gun Tube on the M1 Series Track Vehicle, replace all applicable components in accordance with the applicable technical publication procedures and specifications. (See Maintenance Allocation Chart for exact procedures authorized for each military occupational specialty (MOS) and skill level (SL).) When this task is completed, the vehicle or equipment is fully mission-capable or maintenance actions required to be performed by other than MOS 91A personnel are identified.

Performance Steps

1. Perform administrative actions.
   a. Select and use applicable technical manuals.
   b. Select and use applicable tools and test measurement, and diagnostic equipment (TMDE).
   c. Practice shop safety and maintenance discipline.

2. Diagnose main gun tub and determine maintenance action to be performed.
   a. Prepare gun tube for removal.
      (1) Remove all applicable sub-components.
      (2) Remove thermal shrouds.
      (3) Unbolt gun mount.
   b. Inventory applicable special tools.
      (1) Spanner wrench.
      (2) Lifting slings.

3. Ensure all safety precautions and procedures are followed.

4. Replace defective components, as necessary.

5. Perform final operational test to verify the faults have been corrected.

6. Complete The Army Maintenance Management System (TAMMS) forms, as required.

Evaluation Preparation: WARNING: The following safety precautions must be adhered to when performing the tasks listed in this manual: Do not remove a radiator cap or surge tank cap unless the engine is cool. While working on electrical systems, remove all rings, watches, and jewelry. Before working on the exhaust system, make sure it is cool. Disconnect the negative battery cable prior to performing any electrical system maintenance or when performing repairs in the locality of electrical components. When working around engines that are operating, wear hearing protection. When removing components over 75 pounds, two personnel are required.

Performance Measures	**GO**	**NO-GO**
1. Performed administrative actions. a. Selected and used applicable technical manuals. b. Selected and used applicable tools and test measurement, and diagnostic equipment (TMDE). c. Practiced shop safety and maintenance discipline.	____	____
2. Diagnosed main gun tub and determined maintenance action to be performed. a. Prepared gun tube for removal. (1) Removed all applicable sub-components.	____	____

Performance Measures	GO	NO-GO
(2) Removed thermal shrouds.		
(3) Unbolted gun mount.		
b. Inventoried applicable special tools.		
(1) Spanner wrench.		
(2) Lifting slings.		
3. Ensured all safety precautions and procedures were followed.	___	___
4. Replaced defective components, as necessary.	___	___
5. Performed final operational test to verify the faults was corrected.	___	___
6. Completed The Army Maintenance Management System (TAMMS) forms, as required.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
TM 9-2350-388-34-2-1	
TM 9-2350-388-34-2-2	

Skill Level 4

Subject Area 9: COMMON LOGISTIC MANAGEMENT TASKS (SKILL LEVEL 4)

Perform Senior Rater Responsibilities for a Maintenance Section

091-CLT-4001

Conditions: In a contemporary operational environment (COE) given a noncommissioned officer evaluation report (NCOER) with the rater's portion completed, accompanying counseling statements, and Army regulation (AR) 623-3.

Standards: Perform senior rater's responsibilities in accordance with applicable references.

Performance Steps

1. Ensure all materials and references were available.
2. Review quarterly counseling that supported the NCOER.
3. Review the administrative data and rater's portions of the NCOER for accuracy and content.
4. Prepare the senior rater's portion of the NCOER.
5. Submit the NCOER for review and further processing.

Performance Measures	GO	NO-GO
1. Ensured all materials and references were available.	___	___
2. Reviewed quarterly counseling that supported the NCOER.	___	___
3. Reviewed the administrative data and rater's portions of the NCOER for accuracy and content.	___	___
4. Prepared the senior rater's portion of the NCOER.	___	___
5. Submitted the NCOER for review and further processing.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 623-3	

Supervise Platoon/Section Administrative Procedures

091-CLT-4002

Conditions: In a contemporary operational environment (COE) given Army regulation (AR) 25-400-2, AR 600-8-2, AR 614-200, AR 635-200, situation(s) requiring platoon/section administrative procedures supervision and applicable forms, records, and publications.

Standards: Supervise platoon or section administrative procedures in accordance with applicable references.

Performance Steps

1. Establish files using the Army Records Information Management System (ARIMS).
   a. Prepare file folders and guides
   b. Arrange file folders and guides.
   c. Prepare file drawer labels.
   d. Prepare a list of file numbers
2. Process a recommendation for award.
3. Process and update a flag on records.
4. Verify the accuracy of Suspension of Favorable Action Report.
5. Process and update a bar to reenlistment.
6. Process a chapter action.
   a. Select appropriate type of chapter action and identify separation guidelines.
   b. Initiate and follow up on the chapter action.
7. Process a recommendation for advancement/promotion.
8. Verify accuracy of Enlisted Promotion Report (AAC-C01).
9. Assist a subordinate noncommissioned officer (NCO) who had received notice of selection to be released under the Qualitative Management Program (QMP).

Performance Measures	**GO**	**NO-GO**
1. Established files using the Army Records Information Management System (ARIMS). a. Prepared file folders and guides. b. Arranged file folders and guides. c. Prepared file drawer labels. d. Prepared a list of file numbers.	____	____
2. Processed a recommendation for award.	____	____
3. Processed and updated a flag on records.	____	____
4. Verified the accuracy of Suspension of Favorable Action Report.	____	____
5. Processed and updated a bar to reenlistment.	____	____
6. Processed a chapter action. a. Selected appropriate type of chapter action and identified separation guidelines. b. Initiated and followed up on the chapter action.	____	____
7. Processed a recommendation for advancement/promotion.	____	____

Performance Measures	GO	NO-GO
8. Verified accuracy of Enlisted Promotion Report (AAC-C01).	___	___
9. Assisted a subordinate noncommissioned officer (NCO) who had received notice of selection to be released under the Qualitative Management Program (QMP).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
AR 25-400-2	
AR 600-8-2	
AR 614-200	
AR 635-200	

Manage Combat Stress

091-CLT-4003

Conditions: In a contemporary operational environment (COE) given a situation requiring stress management and Field Manual (FM) 6-22.5.

Standards: Manage combat stress in accordance with applicable reference.

Performance Steps

1. Identify sources of combat stress.
2. Identify the signs and classifications of battle fatigue.
3. Identify signs of stress in self, others, and the unit.
4. Take appropriate steps to reduce and/or prevent stress.

Performance Measures	GO	NO-GO
1. Identified sources of combat stress.	___	___
2. Identified the signs and classifications of battle fatigue.	___	___
3. Identified signs of stress in self, others, and the unit.	___	___
4. Took appropriate steps to reduce and/or prevent stress.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
FM 6-22.5	

Coordinate Support for the Maintenance Platoon/Section

091-CLT-4006

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 4-30.3, an operation order (OPORD)/maintenance situation, a maintenance platoon or section with personnel and equipment, standing operating procedure (SOP), and applicable references.

Standards: Coordinate support for the maintenance platoon or section in accordance with SOP and applicable references.

Performance Steps

1. Evaluate the tactical situation and OPORD requirements.
2. Determine support needed at each location.
3. Notify parent and support units of support requirements.
4. Follow up to ensure support had been coordinated and was being provided.
   a. Notify appropriate parent and support units to resolve any problems.
   b. Address problems in After Action Review (AAR).

Performance Measures	GO	NO-GO
1. Evaluated the tactical situation and OPORD requirements.	___	___
2. Determined support needed at each location.	___	___
3. Notified parent and supported units of support requirements.	___	___
4. Followed up to ensure support had been coordinated and was being provided. a. Notified appropriate parent and supported units to resolve any problems. b. Addressed problems in After Action Review (AAR).	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
FM 4-30.3	

Integrate Automated Logistics Support Systems
091-CLT-4010

Conditions: In a contemporary operational environment (COE) given a Unit Level Logistics System-Ground (ULLS-G) computer system with software and equipment data base in a unit-level maintenance shop, a Standard Army Maintenance System-1 (SAMS-1) computer system with software and database in a direct support (DS)-level maintenance shop, a Standard Army Maintenance System-2 (SAMS-2) computer system with software and data base in a support operations section, Automated Information Systems Manual (AISM)-25-L21-AHN-ZZZ-EM, AISM-25-L26-AHO-ZZZ-EM, Army Regulation (AR) 710-2, Department of the Army (DA) Pamphlet 710-2-1, DA Pamphlet 750-8, and applicable publications.

Standards: Integrate automated logistics support systems in a maintenance shop in accordance with applicable references.

Performance Steps

1. Identify the architecture and interface of Army automated logistics systems.
2. Supervise ULLS-G functions in a unit level maintenance shop.
3. Supervise SAMS-1 functions in a DS level maintenance shop.
4. Supervise SAMS-2 functions in a support operations section.
5. Interface with Standard Army Retail Supply System-Objective (SARSS-O) for supply functions.

Performance Measures	**GO**	**NO-GO**
1. Identified the architecture and interface of Army automated logistics systems.	___	___
2. Supervised ULLS-G functions in a unit level maintenance shop.	___	___
3. Supervised SAMS-1 functions in a DS level maintenance shop.	___	___
4. Supervised SAMS-2 functions in a support operations section.	___	___
5. Interfaced with Standard Army Retail Supply System-Objective (SARSS-O) for supply functions.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
AISM-25-L26-AHO-ZZZ-EM	
AR 710-2	
DA PAM 710-2-1	
DA PAM 750-8	

Plan Logistics Support for Maintenance Operations

091-CLT-4011

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 4-30.3, an operation order (OPORD)/maintenance situation, maintenance personnel and equipment, and applicable references.

Standards: Plan logistics support for maintenance operations in accordance with applicable references.

Performance Steps

1. Assess the combat situation.
2. Determine support needed.
   a. People (skills and numbers).
   b. Equipment (transportation, tools, test, measurement, and diagnostic equipment [TMDE], and communications).
   c. Supplies (components, assemblies, and repair parts).
3. Organize resources to provide needed support.
4. Follow these planning considerations:
   a. Number and type of units supported.
   b. Stock levels for repair parts.
   c. Forward displacement of maintenance support teams and maintenance collection points.
   d. Channels and procedures for recovery, collection, evacuation, and disposition of captured or abandoned materiel.

Performance Measures	**GO**	**NO-GO**
1. Assessed the combat situation.	____	____
2. Determined support needed. a. People (skills and numbers). b. Equipment (transportation, tools, test, measurement, and diagnostic equipment [TMDE], and communications). c. Supplies (components, assemblies, and repair parts).	____	____
3. Organized resources to provide needed support.	____	____
4. Followed these planning considerations: a. Number and type of units supported. b. Stock levels for repair parts. c. Forward displacement of maintenance support teams and maintenance collection points. d. Channels and procedures for recovery, collection, evacuation, and disposition of captured or abandoned materiel.	____	____

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
FM 4-30.3	

Prepare Standing Operating Procedures for Maintenance Operations

091-CLT-4021

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 4-30.3, higher headquarters standing operating procedure (SOP), and commander's guidance.

Standards: Prepare a maintenance shop internal or external SOP for the commander's review, comment, and approval in accordance with cited references.

Performance Steps

1. Ensure applicable publication was available.
2. Prepare a maintenance shop internal or external SOP.
3. Ensure unit policies and commander's guidance were followed.
4. Ensure shop operation policies were adequately addressed.
5. Update the shop SOP, as required.

Performance Measures	GO	NO-GO
1. Ensured applicable publication was available.	___	___
2. Prepared a maintenance shop internal or external SOP.	___	___
3. Ensured unit policies and commander's guidance were followed.	___	___
4. Ensured shop operation policies were adequately addressed.	___	___
5. Updated the shop SOP, as required.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
FM 4-30.3	

Supervise the Deployment of Company Maintenance Team/Recovery Support Team/Maintenance Support Team

091-CLT-4022

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 1-02, FM 3-34.170, FM 4-30.3, a request for maintenance support/maintenance situation, map, operational overlay, grid coordinates of destination, vehicle(s), equipment, maintenance personnel, and applicable references.

Standards: Supervise the deployment of company maintenance team and recovery support teams in accordance with the maintenance situation or request for maintenance support and cited reference.

Performance Steps

1. Review the request for maintenance support or maintenance situation.
2. Ensure personnel and equipment were available to perform the mission.
3. Ensure resources for the company maintenance team, recovery support team, and/or maintenance support team, including personnel with applicable MOS, vehicles, tools, test equipment, publications, repair parts, time, and facilities were appropriately identified.
4. Ensure requirements for defending the teams had been properly determined and arranged.
5. Ensure team leaders were briefed on the mission.
   a. Review the operational overlay.
   b. Conduct a map reconnaissance of the route and destination.
6. Ensure the company maintenance team, recovery support team, and/or maintenance support team was deployed.

Performance Measures	GO	NO-GO
1. Reviewed the request for maintenance support or maintenance situation.	___	___
2. Ensured personnel and equipment were available to perform the mission.	___	___
3. Ensured resources for the company maintenance team, recovery support team, and/or maintenance support team, including personnel with applicable MOS, vehicles, tools, test equipment, publications, repair parts, time, and facilities were appropriately identified.	___	___
4. Ensured requirements for defending the teams had been properly determined and arranged.	___	___
5. Ensured team leaders were briefed on the mission. a. Reviewed the operational overlay. b. Conducted a map reconnaissance of the route and destination.	___	___
6. Ensured the company maintenance team, recovery support team, and/or maintenance support team were deployed.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
FM 1-02	
FM 3-34.170	

References

Required	**Related**
FM 4-30.3	

Conduct a Route Reconnaissance for a Maintenance Mission

091-CLT-4023

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 3-34.170, FM 4-30.3, a maintenance situation/operation order (OPORD), operational overlay, grid coordinates for a proposed route, map, vehicle with personnel, and applicable references.

Standards: Conduct a route reconnaissance for a given route identifying distances/times, problem areas along the route, possible bypasses or alternate routes, and prepared strip maps in accordance with the maintenance situation/OPORD and applicable references.

Performance Steps

1. Ensure necessary equipment and publications were available.
2. Determine the route to be used for the maintenance mission.
3. Perform a map reconnaissance of the route.
4. Contact units along the route and coordinated passage.
5. Select personnel to conduct the reconnaissance.
6. Conduct a reconnaissance of the route by identifying the following key features.
   a. Potential problem areas (that is, possible enemy contact, trafficability, and so forth).
   b. Possible bypasses and alternate routes.
7. Record information on a strip map for use by the maintenance team.
8. Advise the commander or staff officer on use of the route for maintenance missions.

Performance Measures	**GO**	**NO-GO**
1. Ensured necessary equipment and publications were available.	___	___
2. Determined the route to be used for the maintenance mission.	___	___
3. Performed a map reconnaissance of the route.	___	___
4. Contacted units along the route and coordinated passage.	___	___
5. Selected personnel to conduct the reconnaissance.	___	___
6. Conducted a reconnaissance of the route by identifying the following key features. a. Potential problem areas (that is, possible enemy contact, trafficability, and so forth). b. Possible bypasses and alternate routes.	___	___
7. Recorded information on a strip map for use by the maintenance team.	___	___
8. Advised the commander or staff officer on use of the route for maintenance missions.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
FM 3-34.170	

References

Required	**Related**
FM 4-30.3	

Conduct an Area Reconnaissance for a Maintenance Mission

091-CLT-4024

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 3-34.170, FM 4-30.3, a maintenance situation/operation order (OPORD), operational overlay, grid coordinates for a proposed occupation area, map, vehicle with personnel, and applicable references.

Standards: Perform an area reconnaissance, selecting the most appropriate location to establish a maintenance site in accordance with the maintenance situation or OPORD and cited reference.

Performance Steps

1. Ensure necessary equipment and publications were available.
2. Perform a map reconnaissance of the area.
3. Select personnel to conduct the reconnaissance.
4. Conduct a reconnaissance of the area to determine suitability for maintenance operations, accessibility in and out of the site, defendable, and actions required for the safety of personnel and equipment.
5. Advise the commander or staff officer on occupying the area of operations based upon the reconnaissance.

Performance Measures	GO	NO-GO
1. Ensured necessary equipment and publications were available.	___	___
2. Performed a map reconnaissance of the area.	___	___
3. Selected personnel to conduct the reconnaissance.	___	___
4. Conducted a reconnaissance of the area to determine suitability for maintenance operations, accessibility in and out of the site, defendable, and actions required for the safety of personnel and equipment.	___	___
5. Advised the commander or staff officer on occupying the area of operations based upon the reconnaissance.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
FM 3-34.170	
FM 4-30.3	

Manage Battlefield Maintenance Support

091-CLT-4025

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 4-30.3, an operation order (OPORD)/maintenance situation, maintenance personnel, equipment, and applicable references.

Standards: Manage battlefield maintenance support in accordance with cited reference.

Performance Steps

1. Assess the combat situation and organized and prioritized support based on the type of operation.
   a. Offensive operation.
   b. Defensive operation.

2. Plan for and execute appropriate maintenance support.
   a. Identify requirements.
   b. Identify available resources.
      (1) Personnel and skills.
      (2) Publications.
      (3) Time.
      (4) Facilities.
      (5) Test, measurement, and diagnostic equipment (TMDE) and tools.
      (6) Parts.
   c. Manage resources for maximum return, with priority on the following:
      (1) Maintenance support forward.
      (2) Commander's guidance.
      (3) Battle damage repair.
      (4) Controlled exchange.
      (5) Cannibalization.
      (6) Evacuation.
      (7) Recovery.

3. Follow priorities for repair of battle damaged systems.
   a. Most essential for completion of the immediate mission.
   b. Least amount of time to repair.
   c. Reparable, but not in time to continue the immediate mission.

Performance Measures	GO	NO-GO
1. Assessed the combat situation and organized and prioritized support based on the type of operation. a. Offensive operation. b. Defensive operation.	___	___
2. Planned for and executed appropriate maintenance support. a. Identified requirements. b. Identified available resources. (1) Personnel and skills. (2) Publications. (3) Time. (4) Facilities. (5) Test, measurement, and diagnostic equipment (TMDE) and tools. (6) Parts. c. Managed resources for maximum return, with priority on the following: (1) Maintenance support forward. (2) Commander's guidance.	___	___

Performance Measures	GO	NO-GO
(3) Battle damage repair. (4) Controlled exchange. (5) Cannibalization. (6) Evacuation. (7) Recovery.		
3. Followed priorities for repair of battle damaged systems. a. Most essential for completion of the immediate mission. b. Least amount of time to repair. c. Reparable, but not in time to continue the immediate mission. d. Damaged beyond repair candidate for cannibalization.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
FM 4-30.3	

Perform Support Operations NCO Duties

091-CLT-4026

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 4-30.3, FM 100-16, a position as a support operations maintenance noncommissioned officer (NCO) and applicable references.

Standards: Perform the duties of a support operations maintenance NCO, ensuring that the direct support (DS) maintenance mission is effectively coordinated and integrated within the battalion or support group.

Performance Steps

1. Provide guidance on maintenance priorities within the unit.
2. Set objectives for maintenance shop production.
3. Monitor maintenance shop workflow and status of repair part
4. Supervise, control, and direct the operation of battalion units for the below.
   a. DS maintenance.
   b. Evacuation.
   c. Repair parts supply.
   d. Reparable exchange (RX).
   e. Technical assistance.

Performance Measures	GO	NO-GO
1. Provided guidance on maintenance priorities within the unit.	___	___
2. Set objectives for maintenance shop production.	___	___
3. Monitored maintenance shop workflow and status of repair part requisitions.	___	___
4. Supervised, controlled, and directed the operation of battalion units for the below. a. DS maintenance. b. Evacuation. c. Repair parts supply. d. Reparable exchange (RX). e. Technical assistance.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	Related
FM 100-16	
FM 4-30.3	

Manage Maintenance Operations at a Maintenance Collection Point

091-CLT-4027

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 4-30.3, an operation order (OPORD)/maintenance situation, a maintenance collection point (MCP) site, maintenance personnel and equipment, and applicable references.

Standards: Manage maintenance operations at an MCP in accordance with the OPORD and cited references.

Performance Steps

1. Set up the MCP.
2. Manage flow of equipment for repair.
   a. Focus efforts toward repairing systems for current battle or start of next battle.
   b. Fix 4 to 6 hour jobs at unit maintenance collection point (UMCP).
   c. Evacuate other equipment to brigade MCP or farther rear location.
   d. Maximize battlefield damage assessment repair (BDAR), cannibalization, and controlled exchange at central MCP.
3. Manage company maintenance teams, recovery support teams, and maintenance support teams held at MCP.
4. Manage Prescribed Load List (PLL) assets for forward combat units.
5. Relocate forward (as necessary) to continue fix-forward support.

Performance Measures	**GO**	**NO-GO**
1. Set up the MCP.	___	___
2. Managed flow of equipment for repair. a. Focused efforts toward repairing systems for current battle or start of next battle. b. Fixed 4 to 6 hour jobs at unit maintenance collection point (UMCP). c. Evacuated other equipment to brigade MCP or farther rear location. d. Maximized battlefield damage assessment repair (BDAR), cannibalization, and controlled exchange at central MCP.	___	___
3. Managed company maintenance teams, recovery support teams, and maintenance support teams held at MCP.	___	___
4. Managed Prescribed Load List (PLL) assets for forward combat units.	___	___
5. Relocated forward (as necessary) to continue fix-forward support.	___	___

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
FM 4-30.3	

Provide Maintenance Support During Tactical Operations

091-CLT-4028

Conditions: In a contemporary operational environment (COE) given Field Manual (FM) 4-30.3, an operation order (OPORD)/maintenance situation, maintenance personnel and equipment, and applicable references.

Standards: Provide maintenance support during tactical operations in accordance with the OPORD and cited reference.

Performance Steps

1. Provide maintenance support during offensive
2. Provide maintenance support during defensive
3. Provide maintenance support during retrograde operations.
4. Provide maintenance support during reconstitution operations.
5. Provide maintenance support during night operations.
6. Provide maintenance support in a chemical, biological, radiological, nuclear (CBRN) environment.
7. Provide maintenance support during stability and support operations (SASO).
   a. Peace operations.
   b. Humanitarian operations.
   c. Disaster relief operations.
8. Provide maintenance support in adverse conditions.
   a. Desert operations.
   b. Cold weather operations.
   c. Jungle operations.
   d. Mountain operations.
   e. Urban terrain operations.

Performance Measures	GO	NO-GO
1. Provided maintenance support during offensive operations.	____	____
2. Provided maintenance support during defensive operations.	____	____
3. Provided maintenance support during retrograde operations.	____	____
4. Provided maintenance support during reconstitution operations.	____	____
5. Provided maintenance support during night operations.	____	____
6. Provided maintenance support in a chemical, biological, radiological, nuclear (CBRN) environment.	____	____
7. Provided maintenance support during stability and support operations (SASO). a. Peace operations. b. Humanitarian operations. c. Disaster relief operations.	____	____
8. Provided maintenance support in adverse conditions. a. Desert operations. b. Cold weather operations. c. Jungle operations.	____	____

Performance Measures **GO** **NO-GO**

d. Mountain operations.
e. Urban terrain operations.

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required	**Related**
FM 4-30.3	

APPENDIX A -

FIELD EXPEDIENT SQUAD BOOK (DA FORM 5165-R)
INSTRUCTIONS
(Excerpted from STP 21-24-SMCT, Appendix C)

DA Form 5165-R (Field Expedient Squad Book) allows the trainer to keep a record of task proficiency for a group of soldiers.

Before evaluation:

1. Obtain a blank copy of DA Form 5165-R, which you may locally reproduce on 8 ½“ x 11“ paper.
2. Locally reproduce the partially completed form if you are evaluating more than nine soldiers.

During evaluation:

1. Enter the names of the soldiers you are evaluating, one name per column, at the top of the form.
2. Under STATUS, record (in pencil) the date in the GO block if the soldier demonstrated task proficiency to soldier's manual standards. Keep this information current by always recording the most recent date on which the soldier demonstrated task proficiency. Record the date in the NO-GO block if the soldier failed to demonstrate task proficiency to soldier's manual standards. Soldiers who failed to perform the task should be retrained and reevaluated until they can meet the standards. When the standards are met, enter the date in the appropriate GO block and erase the previous entry from the NO-GO block.

After evaluation:

1. Read down each column (GO/NO-GO) to determine the training status of an individual. This will give you a quick indication of which tasks a soldier needs training on.
2. Read across the rows for each task to determine the training status of all soldiers. You can readily see which tasks to focus training on.
3. Line through the STATUS column of any soldier who leaves the unit.

APPENDIX B -

FIELD EXPEDIENT SQUAD BOOK (DA FORM 5165-R) INSTRUCTIONS (Excerpted from STP 21-24-SMCT, Appendix C)

DA Form 5165-R (Field Expedient Squad Book) allows the trainer to keep a record of task proficiency for a group of soldiers.

Before evaluation:

1. Obtain a blank copy of DA Form 5165-R, which you may locally reproduce on 8 ½“ x 11“ paper.
2. Locally reproduce the partially completed form if you are evaluating more than nine soldiers.

During evaluation:

1. Enter the names of the soldiers you are evaluating, one name per column, at the top of the form.
2. Under STATUS, record (in pencil) the date in the GO block if the soldier demonstrated task proficiency to soldier's manual standards. Keep this information current by always recording the most recent date on which the soldier demonstrated task proficiency. Record the date in the NO-GO block if the soldier failed to demonstrate task proficiency to soldier's manual standards. Soldiers who failed to perform the task should be retrained and reevaluated until they can meet the standards. When the standards are met, enter the date in the appropriate GO block and erase the previous entry from the NO-GO block.

After evaluation:

1. Read down each column (GO/NO-GO) to determine the training status of an individual. This will give you a quick indication of which tasks a soldier needs training on.
2. Read across the rows for each task to determine the training status of all soldiers. You can readily see which tasks to focus training on.
3. Line through the STATUS column of any soldier who leaves the unit.

GLOSSARY

Section I
Acronyms & Abbreviations

AAR	after-action review; after-action report
AC	Active Component
AHU	air handling unit
AIM (1)	analog input module
AISM	automated information systems manual
AIT	Advanced Individual Training
SLC	Advanced Noncommissioned Officer Course
AOAP	Army Oil Analysis Program
APC	armored personnel carrier
app	appendix
APU	Auxiliary Power Unit
AR	Army regulation
aux	auxiliary
AZ	azimuth
BA	biannually
BDAR	battle damage assessment and repair
BICU	biocular image control unit
BII	basic issue items
BIT	built-in test
BL	low battery
ALC	Basic Noncommissioned Officer Course
BOB	Break-Out Box
BPS (1)	battery power source
BTY	battery
BW	biweekly

BX	box
CB(1)	Circuit Breaker
CCHA	commander's control handle assembly
CD (2)	compact disk
CDA (1)	controller diagnostic aid
CD-ROM	Compact Disk-Read Only Memory
CDU	control display unit
CDU (1)	commander's display unit
CEU	computer electronics unit
chap	chapter
CID (1)	commander's integrated display
CITV	commander's independent thermal viewer
CITV-EU	commander's independent thermal viewer-electronic unit
CKT	circuit
CLR	clear
CLT (1)	common logistic task
CMDR	commander
COAX	coaxial
COEI	components of end item
cont	continued; continuous
CTS	contact test set
cw (2)	clockwise
CWS	commander's weapon station
CWS-PCU	commander's weapon station power control unit
CWSS	commander's weapon station sight
D	Drive
DA	Department of the Army
DA Form	Department of the Army form

DA PAM	Department of the Army pamphlet
DACU	digital azimuth control unit
DB	data base
DID (1)	driver's integrated display
DMM	digital multimeter
DPO	removable disk pack
DPY	display
DS	direct support
DSPL	display (control)
DTS (1)	diagnostic test set
DVRS	Digital Voice Recorder System
e.g.	for example
Ea	each
ea (1)	each
ECU	electronic control unit
EDF	Equipment Data File
EIC	equipment identification code
EIC (1)	End Item Code
EL (1)	elevation
ETM	extension training material
ETM (1)	electronic technical manual
FCEU	fire control electronic unit
FIT	Fault Isolation Test
FLIR	forward looking infrared
FM (1)	field manual
FMC	fully mission capable
FOV	Field Of View
GCDP	gunner's control display panel

GPS	global positioning system
GTD	gun turret drive
HMPU	hull mission processor unit
HNB	hull networks box
HPDU	hull power distribution unit
HTEU	hull/turret electronics unit
IEEE	Institute of Electrical & Electronics Engineers
IETM	interactive electronic technical Manual
IVIS	Vehicular Information System
LAN	Local Area Network
LCD	liquid crystal display
LOS (1)	line of sight
MACOM	major Army command
MARKS	Modern Army Record Keeping System
MCP	maintenance collection point
MCSR	Materiel Condition Status Report
MD	military deception
MMU (1)	mass memory unit
MOS	military occupational specialty
MOSC	military occupational specialty code
MSDS	Material Safety Data Sheet
NA	not applicable
NBC	nuclear, biological, and chemical
NCO	noncommissioned officer
NCOER	Noncommissioned Officer Evaluation Report
NMC	non-mission capable
OPORD	operations order
ORD	operational requirements document

pam	pamphlet
para	paragraph
PC (1)	Personnel Computer
PLL	Prescribed Load List
PMCS	preventive maintenance checks and services
POL	petroleum, oils, and lubricants
POS/NAV	position/navigation system
QA	quality assurance
QC	quality control
QMP	Qualitative Management Program
QT	quarterly
RDL	Reimer Digital Library
RIU	radio interface unit
RSM	remote switching module
RX	reparable exchange
SA (1)	semiannual
SAMS	Standard Army Maintenance System
SAMS-1	Standard Army Maintenance System-Level 1
SAMS-2	Standard Army Maintenance System-Level 2
SARSS-O	Standard Army Retail Supply System-Objective
SASO	stability and support operations
SC	supply catalog
SGCEU	second generation common electronics unit
SGSEU	second generation servo electronics unit
SGTRU	second generation thermal receiver unit
SKO	sets, kits and outfits
SL	skill level
SM	Soldier's Manual

SME	subject matter expert
SMI (1)	soldier machine interface
SOP	standing operating procedure
SPORT	Soldier's Portable On-system Repair Tool
STP	Soldier training publication
Suppl	supplement
TAMMS	The Army Maintenance Management System
TB	technical bulletin
TC (1)	training circular
TIS (1)	thermal imaging system
TM	technical manual
TMDE	test, measurement, and diagnostic equipment
TMPU	turret mission processor unit
TMS	thermal management system
TNB	turret networks box
TRADOC	Training and Doctrine Command
ULLS	Unit Level Logistics System
ULLS-G	Unit Level Logistics System-Ground
UMCP	unit maintenance collection point
USAMC	United States Army Materiel Command
UUAPU	under armor auxiliary power unit
VCSU	vapor compression system unit
VGA	Video Graphics Array

Section II
Terms

Class III
(supply) POL

MOS Training Plan (MTP)

The MTP addresses all skill levels (SL) of an MOS and all duty positions, to include additional skill identifiers (ASI), special qualifications identifiers (SQI), and language identifier codes (LIC), associated with each SL which has unique critical task training requirements. The MTP lists all MOS-specific and shared critical tasks for which the MOS is responsible.

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TC 9-237	Operator's Circular Welding Theory and Application 7 May 1993

Related Publications

Related publications are sources of additional information. They are not required in order to understand this publication.

Army Regulations

AR 385-10	The Army Safety Program 23 August 2007
AR 750-1	Army Materiel Maintenance Policy 20 September 2007
AR 750-10	Army Modification Program 24 February 2006
AR 750-43	Army Test, Measurement, and Diagnostic Equipment 3 November 2006

Department of Army Forms

DA FORM 2404	EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET 1 April 1979
DA FORM 5988-E	EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET 1 March 1991

Department of Army Pamphlets

DA PAM 750-8	The Army Maintenance Management System (TAMMS) Users Manual 22 August 2005

Technical Manuals

TM 11-5820-401-10-1	Operator's Manual for Radio Sets AN/VRC-12(NSN 5820-00-223-7412), AN/VRC-43(5820-00-223-7415), AN/VRC-44(5820-00-223-7417), AN/VRC-45(5820-00-223-7418), AN/VRC-46(5820-00-223-7433), AN/VRC-47(5820-00-223-7434), AN/VRC-48(5820-00-223-7435) 15 January 1986
TM 11-5820-401-10-2	Operator's Manual for Radio Sets, AN/VRC-12(5820-00-223-7412), AN/VRC-43(5820-00-223-7415), AN/VRC-44(5820-00-223-7417), AN/VRC-45(5820-00-223-7418), AN/VRC-46(5820-00-223-7433), AN/VRC-47 (5820-00-223-7434), AN/VRC-48(5820-00-223-7435) 23 November 1982
TM 11-5820-401-10-4	Operator's Quick Checks for Receiver-Transmitter, RT-246( )/VRC (NSN 5820-00-892-0623) and RT-524( )/VRC (5820-00-892-0622) 16 October 1980
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TM 9-2320-272-10	Operator's Manual for Truck, 5-Ton, 6X6, M939, M939A1, and M939A2 Series Trucks (Diesel), Truck, Cargo: 5-Ton, 6X6 Dropside, M923; M923A1; M923A2); M925; M925A1; M925A2; Truck, Cargo: 5-Ton, 6X6 XLWB, M927; M927A1; M27A2; M928; M928A1; M928 15 August 1996
TM 9-2320-366-10-1	Operator's Instructions Manual For M1083 Series, 5-Ton, 6X6, Medium Tactical Vehicles (MTV) Volume No. 1 OF 2 Truck, Car., MTV, M1083 W/WN, W/O WN; Truck, Car., MTV, W/Material Handling Equipment (MHE) M1084; Truck, Car., MTV, LWB, M1085 W/ 15 September 1998

TM 9-2320-366-10-2	Operator's Instructions Manual for M1083 Series, 5-Ton, 6X6, Medium Tactical Vehicles (MTV) Volume No. 2 of 2 Truck, Car., MTV, M1083 W/WN, W/O WN; Truck, Car., MTV, W/Material Handling Equipment (MHE) M1084; Truck, Car., MTV, LWB, M1085 W/ 15 September 1998
TM 9-2350-256-10	Operator's Manual for Recovery Vehicle, Full Tracked, Medium, M88A1 (NSN 2350-00-122-6826) 31 March 1998
TM 9-2350-388-23-1-1	Unit Maintenance Manual VOL 1 of 5 for Tank, Combat, Full-Tracked: 120-MM Gun, M1A1 (NSN 2350-01-087-1095) General Abrams, Hull (TM 08953A-20/2-1)(Reprinted W/Basic Incl C1-14)(This Item is Included on EM 0069) 5 March 2003
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TM 9-2350-264-24-1	Unit, Direct Support and General Support Maintenance Manual Systems Schematics Tank, Combat, Full-Tracked: 120-MM Gun, M1A1, General Abrams Hull (This Item is Included on EM 0069) 12 May 1999
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TM 9-243	Use and Care of Hand Tools and Measuring Tools TO 32-1-101; M6290-AJ-MAN-010; TM-10209-10/1 1 December 2004
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TM 9-8000	Principles of Automotive Vehicles 25 October 1985

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TC 43-35	Recovery Training	3 October 1995

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