

Summary Report for Individual Task
091-91A-0049
Replace the Elevation Mechanism Assembly on the M1 Series Track Vehicle
Status: Approved

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD7 - This product/publication has been reviewed by the product developers in coordination with the Ft. Lee foreign disclosure authority. This product is NOT releasable to students from foreign countries.

Condition: In an operational environment (OE) given an M1 series Main Battle Tank; repair parts; general mechanics tool kit, multi-capable; additional tools; DA Form 5988-E (Equipment Inspection and Maintenance Worksheet) describing equipment malfunction; necessary tools and equipment as indicated in the TMs; test, measurement, and diagnostic equipment (TMDE); applicable publications and supervision/assistance. Some iterations of this task should be performed in MOPP. Standard MOPP 4 conditions do not exist for this task. See the MOPP 4 statement for specific conditions.

Standard: Replace the Elevation Mechanism 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.

Special Condition: None

Safety Risk: Low

MOPP 4: N/A

Task Statements

Cue: None

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes: Task may be taught, supported and evaluated in multiple lessons. Equipment identified at the task may not reflect what is required at formal training environment.

Performance Steps

DANGER

Keep away from main gun assembly when elevation travel lock is in unlocked position and gun is in operation. Ensure the traverse travel lock is in the locked position before conducting any work. You can be crushed or killed if struck by gun or caught between turret and hull.

WARNING

FRH hydraulic fluid may contain tricresyl phosphate which, if taken internally, can produce paralysis. Hydraulic fluid may be absorbed through the skin. Wear long sleeves, gloves, goggles, and faceshield. If FRH gets in eyes, wash them immediately and get medical aid immediately. If FRH gets on skin, thoroughly wash with soap and water. Wash hands thoroughly prior to eating or smoking. Application of these measures is considered an effective control of the hazard.

Always wear safety glasses when working on the hydraulic system. If hydraulic fluid gets in your eyes, you can be blinded. TM 9-2350-264-23-2-3.

1. Review work request.

Note: Read all safety messages carefully before proceeding.

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.

5. Remove/Install the elevation mechanism assembly.

6. Ensure all safety precautions and procedures are followed.

7. Perform an inspection to ensure the elevation mechanism assembly is fully mission-capable.

8. Ensure maintenance forms are completed, as required.

9. Ensure tools, equipment, and TMDE are properly maintained.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all performance measures are passed. Score the Soldier NO-GO if any performance measure is failed. Explain any failed performance measure and how to do it correctly.

Evaluation Preparation: 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. Ensure the pressure is reduced to zero when working on the hydraulic system. 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	N/A
1. Reviewed work request.			
2. Ensured task is within shop capability and authorization.			
3. Ensured applicable technical publications are available.			
4. Ensured proper tools, equipment, and TMDE are available and inspected, repaired/replaced, and test the elevation mechanism assembly.			
5. Removed/Installed elevation mechanism assembly.			
6. Ensured all safety precautions and procedures are followed.			
7. Performed an inspection to ensure the elevation mechanism assembly is fully mission-capable.			
8. Ensured maintenance forms are completed, as required.			
9. Ensured tools, equipment, and TMDE are properly maintained.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	DA FORM 5988-E	Equipment Inspection Maintenance Worksheet	Yes	No
5.	TM 9-2350-264-23-2-1	Field Maintenance Manual for Tank, Combat, Full-Tracked: 120 MM Gun, M1A1 (NSN 2350-01-087-1095) (EIC: AAB) General Abrams Turret Volume 1 of 7	No	No
5.	TM 9-2350-264-23-2-2	Field Maintenance Manual for Tank, Combat, Full-Tracked: 120 MM Gun, M1A1 (NSN 2350-01-087-1095) (EIC: AAB) General Abrams Turret Volume 2 of 7	No	No
5.	TM 9-2350-264-23-2-3	Field Maintenance Manual for Tank, Combat, Full-Tracked: 120 MM Gun, M1A1 (NSN 2350-01-087-1095) (EIC: AAB) General Abrams Turret Volume 3 of 7	No	No
5.	TM 9-2350-264-23-2-4	Field Maintenance Manual for Tank, Combat, Full-Tracked: 120 MM Gun, M1A1 (NSN 2350-01-087-1095) (EIC: AAB) General Abrams Turret Volume 4 of 7	No	No
5.	TM 9-2350-264-23-2-5	Field Maintenance Manual for Tank, Combat, Full-Tracked: 120 MM Gun, M1A1 (NSN 2350-01-087-1095) (EIC: AAB) General Abrams Turret Volume 5 of 7	No	No
5.	TM 9-2350-264-23-2-6	Field Maintenance Manual for Tank, Combat, Full-Tracked: 120 MM Gun, M1A1 (NSN 2350-01-087-1095) (EIC: AAB) General Abrams Turret Volume 6 of 7	No	No
5.	TM 9-2350-264-23-2-7	Field Maintenance Manual for Tank, Combat, Full-Tracked: 120 MM Gun, M1A1 (NSN 2350-01-087-1095) (EIC: AAB) General Abrams Turret Volume 7 of 7	No	No
5.	TM 9-2350-264-24P-2	Unit, Direct Support, and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts) for Tank, Combat, Full-Tracked: 120-MM Gun, M1A1 (NSN 2350-01-087-1095) (EIC: AAB) General Abrams Turret {T	No	No
5.	TM 9-2350-388-23-2-1	TANK, COMBAT, FULL-TRACKED: 120-MM GUN, M1A2 SYSTEM ENHANCEMENT PACKAGE (SEP) (NSN2350-01-328-5964)(EIC: AAF) GENERAL ABRAMS TURRET	No	No
5.	TM 9-2350-388-23-2-2	TANK, COMBAT, FULL-TRACKED 120-MM GUN, M1A2 SYSTEM ENHANCEMENT PACKAGE (SEP)(NSN 2350-01-328-5964)(EIC: AAF) GENERAL ABRAMS TURRET	No	No
5.	TM 9-2350-388-23-2-3	TANK, COMBAT, FULL-TRACKED: 120-MM GUN, M1A2 SYSTEM ENHANCEMENT PACKAGE (SEP)(NSN 2350-01-328-5964)(EIC: AAF) GENERAL ABRAMS TURRET	No	No

5.	TM 9-2350-388-23-2-4	FIELD MAINTENANCE MANUAL FOR TANK, COMBAT, FULL-TRACKED: 120-MM GUN, M1A2 SYSTEM ENHANCEMENT PACKAGE (SEP) (NSN: 2350-01-328-5964) (EIC: AAF) GENERAL ABRAMS TURRET VOLUME 4 OF 5	No	No
5.	TM 9-2350-388-23-2-5	FIELD MAINTENANCE MANUAL FOR TANK, COMBAT, FULL-TRACKED: 120-MM GUN, M1A2 SYSTEM ENHANCEMENT PACKAGE (SEP) (NSN: 2350-01-328-5964) (EIC: AAF) GENERAL ABRAMS TURRET VOLUME 5 OF 5	No	No
5.	TM 9-2350-388-24P-2	FIELD AND SUSTAINMENT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS)FOR TANK, COMBAT, FULL-TRACKED 120-MM GUN, M1A2, SYSTEM ENHANCEMENT PACKAGE (SEP)(NSN 2350-01-328-5964) (EIC: AAF) GENERAL ABRAM	No	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. All operations will conform to the Army Environmental Policy, local, state, and federal environmental regulations, AR 385-10, the Clean Air Act (CAA), and CAA amendments.

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. 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 work places, procedures, and equipment. Observe all safety and/or environmental precautions regarding electricity, fuel, lubricants, and high pressures. Provide ventilation for exhaust fumes during equipment operation and use hearing protection when required IAW AR 385-10, the Clean Air Act (CAA), the CAA amendments, and the OSHA Hazard Communication standard. Observe all safety precautions when using lifting devices and handling heavy parts.

Prerequisite Individual Tasks : None

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
091-91A-0043	Replace Elevation Servo Assembly of the M1 Series Track Vehicle	091 - Ordnance (Individual)	Approved

Supported Individual Tasks : None

Supported Collective Tasks :

Task Number	Title	Proponent	Status
43-2-4564	Conduct Unit-Level Maintenance Operations	43 - Maintenance (except missile) (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
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91A10 - M1 ABRAMS TANK SYSTEM MAINTAINER - SEP 2013	Enlisted	MOS: 91A, Skill Level: SL1, Duty Pos: OLK, SQI: Y
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