

Summary Report for Individual Task
551-88M-2302
Operate the APU on the M1000 Semitrailer
Status: Approved

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

Destruction Notice: None

Foreign Disclosure: FD5 - This product/publication has been reviewed by the product developers in coordination with the Fort Lee, VA foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

Condition: In an operational environment, given a Heavy Equipment Transporter (HET) semitrailer with functioning auxiliary power unit (APU), hearing protection, semitrailer basic issue items (BII), and level ground to operate.

Standard: Perform all required startup procedures without error for the APU without injury to personnel or damage to equipment.

Special Condition: None

Safety Risk: Medium

MOPP 4:

Task Statements

Cue: You are required to provide power to the M1000 semitrailer to support a recovery operation.

DANGER

None

WARNING

None

CAUTION

None

Remarks: None

Notes: None

Performance Steps

1. Perform a composite risk assessment.
 - a. Identify hazards.
 - b. Assess hazards to determine risk.
 - c. Develop controls.
 - d. Implement controls.
 - e. Supervise.
 - f. Evaluate.

CAUTION

CAUTION

The hydraulic tank oil valve must be open prior to starting the APU or serious damage to the hydraulic pump may result.

WARNING

HEARING PROTECTION IS REQUIRED WITHIN 10 FEET (3M) OF THE APU WHEN THE APU IS RUNNING OR INJURY TO PERSONNEL MAY RESULT.

CAUTIONS

_ Oil pressure light must go out within 15 seconds. If oil pressure light stays lit, shut down the APU immediately or damage to equipment may result

_ If the APU fails to start within 15 seconds, release the switch from the START position to prevent overheating of the starter motor. Allow the starter motor to cool 1 to 2 minutes before trying again. If the APU fails to start after four tries, notify unit maintenance

_ Do not rotate START switch to the START position while the starter motor is still turning from the previous try

_ After starting the APU, rotate switch to OFF position or damage to equipment may result

_ Do not subject the APU to any load until it has warmed up properly or premature failure may occur and life of the engine may be shortened.

2. Start the APU (normal conditions). Refer to TM 9-2330-381-14, paragraph 2-16, subparagraph a, pages 2-46 to 2-50 for applicable procedures.

3. Start the APU (cold weather starting). Refer to TM 9-2330-381-14, paragraph 2-17, page 2-52 for cold weather starting.

Note: The following procedures apply when ambient temperatures range from 40 degrees F to -25 degrees F (4 degrees C to -31 degrees C). When the temperature is below -25 degrees F (-31 degrees C), refer to Arctic APU Starting in paragraph 2-31 of the semitrailer TM.

4. Shutdown the APU. Refer to TM 9-2330-381-14, paragraph 2-16, subparagraph b, and pages 2-50 for proper shutdown procedures.

5. Shutdown APU for extended storage (short and long term). Refer to TM 9-2330-381-14, paragraph 2-16, subparagraph b (3), (4), (5) for extended storage procedures.

(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. Tell the Soldier what was done wrong and how to perform it correctly.

Evaluation Preparation: Setup: Provide the Soldier with an M1000 Semitrailer either coupled to an M1070 HET Tractor or uncoupled, level ground to operate.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Started the APU (normal conditions).			
2. Started the APU (cold weather starting).			
3. Shutdown the APU.			
4. Shutdown the APU for extended storage.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ATP 5-19	RISK MANAGEMENT http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp5_19.pdf	Yes	Yes
	TM 9-2330-381-14	OPERATORS, UNIT, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL FOR HEAVY EQUIPMENT TRANSPORTER SEMITRAILER, 70 TON, M1000 (NSN 2330-01-303-8832) (EIC: CXU) {TM 09295A-14/1}D	Yes	Yes

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.

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. CAUTION
The hydraulic tank oil valve must be open prior to starting the APU or serious damage to the hydraulic pump may result.

WARNING:

Hearing protection is required within 10 feet (3m) of the APU when the APU is running or injury to personnel may result.

CAUTION

Oil pressure light must go out within 15 seconds. If oil pressure light stays lit, shut down the APU immediately or damage to equipment may result.

CAUTION

If the APU fails to start within 15 seconds, release the switch from the START position to prevent overheating of the starter motor. Allow the starter motor to cool 1 to 2 minutes before trying again. If the APU fails to start after four tries, notify unit maintenance.

Do not rotate START switch to the START position while the starter motor is still turning from the previous try. After APU has started, rotate switch to OFF position or damage to equipment may result.

CAUTION

Do not subject the APU to any load until it has warmed up properly, or premature failure may occur and life of the engine may be shortened.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks :

Task Number	Title	Proponent	Status
551-88M-2377	Unload a Tracked Vehicle From a Heavy Equipment Transporter (HET)	551 - Transportation (Individual)	Proposed

Supported Collective Tasks :

Task Number	Title	Proponent	Status
55-2-0024(Step: 1.)	Transport Crew Members and Overweight Vehicles or Oversized Cargo	55 - Transportation (Collective)	Approved
55-2-0024	Transport Crew Members and Overweight Vehicles or Oversized Cargo	55 - Transportation (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 88M - Motor Transport Operator	Enlisted	MOS: 88M
MOS 88M - Motor Transport Operator SL4	Enlisted	MOS: 88M, Skill Level: SL4
MOS 88M - Motor Transport Operator SL 1-4	Enlisted	MOS: 88M
MOS 88M - Motor Transport Operator SL3	Enlisted	MOS: 88M, Skill Level: SL3
MOS 88M - Motor Transport Operator SL2	Enlisted	MOS: 88M, Skill Level: SL2