

Task: Maintain a 60-mm Mortar**Number: 071-084-0002****Effective Date: 2002-May-06****Enlisted MOS:
11C Skill Level 1****STP:
CMF 11 (INFANTRY)
STP 7-11C14-SM-TG**

Conditions: As a member of a 60-mm mortar crew, given a 60-mm mortar and special tools, material, and equipment needed to perform the required maintenance.

Standards: Inspected, cleaned, spot-painted, and lubricated the mortar. For noncorrectable defects or for bipod or sight assemblies that had been immersed in water, the crew notified organizational maintenance immediately.

Performance Steps**1. Clean and Lubricate:**

NOTE: Do not use cleaner, lubricate, or preservative (CLP) to clean or lubricate the mortar.

- a. Spot-paint parts that are painted.
- b. Coat nameplates and serial numbers with clear lacquer.
- c. At least once every six months, check for application of modification work orders.

2. Canvas/plastic/vinyl items:

- a. Check for loose grommets, loose buckles, rips, mildew, rot, grease, and dirt.
- b. Remove mildew with a dry cloth. Remove oil, grease, and dirt with soap and warm water; rinse with clear water.

3. Barrel assembly:

- a. Inspect for dirt, carbon, and cracks/dents/bulges; remove firing pin and check for cracks/wear.
- b. Place firing selector at T, S, and D positions and check firing mechanism. Trigger should not fire with selector at "S."
- c. Remove dirt with rags and remove carbon with rifle bore cleaner.
- d. Oil barrels and bore.

4. Bipod assembly:

- a. Check for cleanliness and ensure that:
 - (1) Sliding bracket grips bipod leg firmly when locking nut is tightened.
 - (2) Adjusting nut precisely controls cross-leveling with a minimum of looseness.
 - (3) Elevating mechanism operates smoothly up and down.
 - (4) Traversing mechanism operates smoothly over entire range in both directions.
 - (5) Shock absorbers return to normal position when pulled down.
- b. Clean with dry rags.
- c. Lubricate with oily cloth; oil internal parts of elevating and traversing mechanism.

5. Baseplate assemblies, M7 and M8:

- a. Check the M7 for scratches or chipped surfaces, bent or broken ribs; check socket for smooth operation; and check the assembly for overall cleanliness.
- b. Check the M8 for scratches or chipped surfaces, bent or broken ribs; check socket latch for smooth operation.
- c. Lubricate moving parts.
- d. Clean with rags, and spot-paint.

NOTE: Notify immediate supervisor and the organizational mechanic if a defective item is detected that cannot be corrected by cleaning, lubricating, spot-painting, adjusting, or if the following items have been immersed in water. 1. Elevating mechanism (bipod). 2. Traversing mechanism (bipod). 3. Shock absorbers (bipod). 4. Optical parts (sight). **NOTE:** Conduct a check on learning and summarize the enabling learning objective.

Evaluation Preparation: **SETUP:** At the test site, provide all equipment and information given in the task condition statement.

BRIEF SOLDIER: Tell the soldier to perform operator maintenance on a 60-mm mortar and associated fire control equipment. Tell the soldier to inform you of any defect that he cannot correct.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Spot-painted parts that needed repainting.	_____	_____
2. Coated nameplates and serial numbers with clear lacquer.	_____	_____
3. Checked canvas items for rips, oil, grease, mildew, and dirt.	_____	_____
4. Checked barrel assembly for dirt, carbon, and cracks/dents/bulges.	_____	_____
5. Checked firing selector at "T," "S," and "D" positions.	_____	_____
6. Cleaned and oiled barrel and bore.	_____	_____
7. Checked and cleaned bipod assembly.	_____	_____
8. Checked and cleaned baseplate assembly.	_____	_____
9. Lubricated all moving parts.	_____	_____

Evaluation Guidance: Score the soldier GO if he passes all performance measures. Score him NO-GO if he fails any performance measure. If he scores NO-GO, show him what he did wrong and how to do it correctly.

References:

Number	Required	Title
TM 9-1010-223-10	N	Operator's Manual for Lightweight Company Mortar, 60-mm: M224

Certifications Required: None.

Supporting Individual Tasks: None.

Supported Drills: None.