

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

**MAINTENANCE AND REPAIR INSTRUCTIONS
WARNING DECALS FOR
MORTAR, 120MM: TOWED M120
(NSN: 1015-01-226-1672) (EIC: 4SL)
AND
MORTAR, 120MM: CARRIER MOUNTED M121
(NSN: 1015-01-292-3801) (EIC: 4SE)**

15 June 2003

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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WARNING

Dry cleaning solvents (SD), alcohol swabs, and paint thinners are highly flammable. Do not clean parts near an open flame or in a smoking area. Dry cleaning solvents and paint thinners evaporate quickly and have a drying effect on the skin. Do not use these solvents without protective gloves.

Solvents used in this procedure produce toxic vapors. Do not use in confined areas and always ensure adequate ventilation is available. Avoid long periods of breathing toxic vapors and contact with the skin.

When handling strong cleaning solvents, always wear safety glasses and/or chemical splash goggles and know where nearest eye wash station is located.

For first aid data, see FM 21-11.

1. PURPOSE. The purpose of this TB is to provide instructions for maintenance and repair of warning decals added by MWO 9-1015-250-30-2. These warning decals are designed to attract the attention of mortar crews and to serve as a reminder of the need to correctly position the safety mechanism during weapon operations.

2. APPLICABILITY. The TB applies to warning decals applied to the following components and assemblies.

<u>Nomenclature</u>	<u>NSN</u>	<u>FSCM</u>	<u>P/N</u>	<u>Location (see note)</u>
Extractor, Cartridge	1015-01-433-4471	19206	12901167	Mortar BII
Step, Platform	1015-01-387-0584	19206	12901121	Mortar Turntable
Rack Assembly, Rifle	1095-01-347-7609	19207	12381826	Mortar Carrier
Rack, Ammunition, Storage	2590-01-354-5431	19207	12369618	Mortar Carrier

Note:

Mortar COEI = Component of End Item of M120 and M121 Mortar

Mortar BII = Basic Issue Item of M120 and M121 Mortar

Mortar Turntable = Item is located on turntable within mortar carrier

Mortar Carrier = Item is component of mortar carrier

3. PARTS REQUIRED. The following are the decals applicable to this TB.

<u>Item</u>	<u>Nomenclature</u>	<u>NSN</u>	<u>FSCM</u>	<u>P/N</u>	<u>Qty</u>
1	Decal, Warning (Step and Racks)	TBA	19200	13001229	4
2	Decal, Warning (Extractor, Cartridge)	TBA	19200	13001228	3
3	Graphical Training Aid, Misfire Procedure	TBA	19200	13002078	4

4. BULK AND EXPENDABLE MATERIAL. The following items are required. All items specified below are authorized expendable/durable items for the 120mm mortar.

<u>Item</u>	<u>Nomenclature</u>	<u>NSN</u>	<u>P/N</u>	<u>UI</u>
1	Rag, Wiping, Cotton	7920-00-205-1711	A-A-2522	EA
2	Solvent, Dry Cleaning	6850-00-281-1985	A-A-711	GL

5. SPECIAL TOOLS REQUIRED. None.

6. REPAIR PROCEDURES.

NOTE

All areas where decals are to be applied must be free of excess oil and dirt. Cleaning with dry cleaning solvent and rags is required. Inspect all locations for decals and replace damaged or missing decals as appropriate.

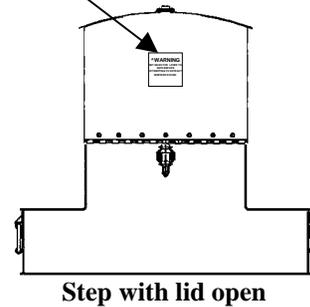
a. Following four decals are applicable to M121 Mortar only.

(1) **Step, Platform.** Applicable to M121 Mortar only. The step is located on the turntable of the M1064 series Mortar Carrier. One (1) decal is applied to the underside of the lid.

(a) Open lid of step. Remove existing decal if damaged. With rag and dry cleaning solvent (item 1 and 2, paragraph 4), clean the area in the approximate middle of the underside of the lid. Area cleaned must be large enough to accommodate the decal to be applied.

(b) Peel off backing from decal and carefully apply as illustrated. Apply firm pressure over surface of decal.

Turntable Step
Decal 1 (see paragraph 3)

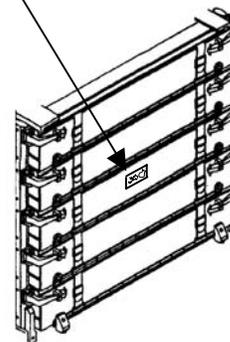


(2) **Rack, Ammunition.** Applicable to M121 Mortar only. There are three (3) ammunition racks inside the M1064 series Mortar Carrier. Decals are applied to one rack on each side of the carrier.

(a) Remove existing decal if damaged. With rag and dry cleaning solvent (item 1 and 2, paragraph 4), clean the area in the approximate middle of the center access cover of each rack selected for decal application. Area cleaned must be large enough to accommodate the decal to be applied.

(b) Peel off backing from decal and carefully apply. Apply firm pressure over surface of decal.

Ammunition Rack
Decal 1 (see paragraph 3)

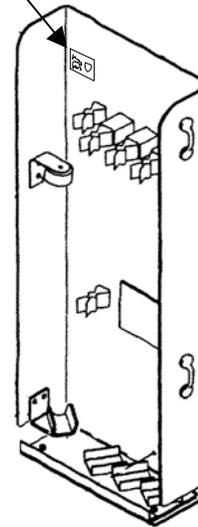


(3) **Rack, Rifle.** Applicable to M121 Mortar only. The rifle rack is located in front of the turntable in the M1064 series Mortar Carrier. One (1) decal will be applied.

(a) Remove existing decal if damaged. With rag and dry cleaning solvent (item 1 and 2, paragraph 4), clean the area in the upper left portion of the rifle rack. Area selected should be visible if/when rifles and sight extension are stowed. Area cleaned must be large enough to accommodate the decal to be applied.

(b) Peel off backing from decal and carefully apply. Apply firm pressure over surface of decal.

Rifle Rack (typical decal location)
Decal 1 (see paragraph 3)



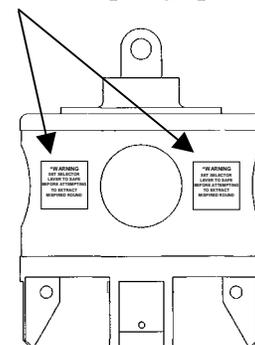
b. Following decals are applicable to both the M120 and M121 Mortars.

Basic Issue Item - Cartridge Extractor. There are three (3) decals that should be present on the cartridge extractor. Replace any damaged or missing decals.

(a) Locate three (3) areas between the large 1.5 inch holes on side of extractor body. With rag and dry cleaning solvent (item 1 and 2, paragraph 4), clean these areas. **DO NOT USE PART NUMBERED AREA.** Areas cleaned must be large enough to accommodate the decals to be applied.

(b) Peel off backing from decal and carefully apply. Apply firm pressure over surface of decal.

Extractor - 2 of 3 decals shown.
Decal 2 (see paragraph 3)



<p>c. Graphical Training Aid, Misfire Procedure. Mortar crewmembers are provided laminated cards for personal use. Replace missing or damaged cards as necessary (item 3, paragraph 3).</p>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Front</p> </div> <div style="text-align: center;">  <p>Back</p> </div> </div>
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7. REFERENCES.

- a. MWO 9-1015-250-30-2, Modification of: Mortar, 120MM: Towed M120 (NSN: 1015-01-226-1672) and Mortar, 120MM: Carrier Mounted M121 (NSN: 1015-01-292-3801).
- b. TM 9-1015-250-23&P, Unit and Direct Support Maintenance Manual (including Repair Parts and Special Tools List) for Mortar, 120MM: Towed M120 and Mortar.120MM: Carrier-Mounted M121.
- c. TM 9-2350-277-34, Direct Support and General Support Maintenance for Carrier, Mortar, M1064A3 (and other vehicles).
- d. TM 9-2350-277-24P, Unit, Direct Support and General Support Maintenance (including Repair Parts and Special Tools List) for Carrier, Mortar, M1064A3 (and other vehicles).
- e. TM 9-2350-261-34, Direct Support and General Support Maintenance for Carrier, Mortar, M1064A3 (and other vehicles).
- f. TM 9-2350-261-24P, Unit Maintenance, Direct and General Support Maintenance (including Repair Parts and Special Tools List) for Carrier, Mortar, M1064A3 (and other vehicles).

By Order of the Secretary of the Army:

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