

ROUTINE

The MWO effective date is 1 December 1997 and the completion date is 30 November 2001.

MODIFICATION WORK ORDER

**MODIFICATION OF HOWITZER, MEDIUM,
SELF-PROPELLED: 155MM, M109A6
(NSN 2350-01-305-0028) (EIC: 3FC)**

**Headquarters, Department of the Army, Washington, D.C.
1 SEPTEMBER 1998**

REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS You can help improve this MWO. If you find any mistakes or if you know of a way to improve these procedures, please let us know. Mail your letter or DA Form 2028, Recommended Changes to Publications and Blank Forms, direct to Director, Armament and Chemical Acquisition and Logistics Activity, ATTN: AMSTA-AC-NMLI, Rock Island, IL 61299-7630. A reply will be provided to you.

DISTRIBUTION STATEMENT A. This publication is approved for public release; distribution is unlimited.

- 1. PURPOSE.** This MWO prescribes procedures for installing a segment board cleaning mechanism. The segment board cleaning mechanism is a permanently installed assembly that makes cleaning the segment board easier.
- 2. PRIORITY.** This modification is classified ROUTINE.
- 3. END ITEM(S) OR SYSTEM(S) TO BE MODIFIED.** See Table 1.

Table 1. End Item or System to be Modified.

NOMENCLATURE	NSN	PART NO.	MODEL	CAGEC	SERIAL NO RANGE
Howitzer, Medium, Self-Propelled: 155 MM	2350-01-305-0028	12553195	M109A6	19200	1-645

- 4. MODULE(S) (COMPONENTS, ASSEMBLIES, SUBASSEMBLIES, BOARDS, AND CARD(S) TO BE MODIFIED).**
Not applicable.
- 5. PARTS TO BE MODIFIED.** The parts listed in Table 2, whether installed or in depot stock, shall be modified. Stocked parts shall be modified prior to issue and shall be marked so that it can be easily determined that modification has been accomplished. The electrical shield part number and NSN change when the electrical shield is modified.

Table 2. Parts to be Modified.

NOMENCLATURE	NSN	CAGEC	PART NO.	ITEM NO.
Shield, Electrical	5999-01-324-2208	19200	12910552	10

6. APPLICATION.

a. Time Compliance Schedule: The MWO effective date is 1 December 1997 and the completion date is 30 November 2001.

b. Level of Maintenance: Unit maintenance is the lowest level of maintenance authorized to apply this MWO.

c. Work Force and Man-hour Requirements.

REQUIREMENTS

WORK FORCE/SKILLS	MAN-HOURS	MAN-HOUR W/O DISASSEMBLY
Armament Repairer (MOS. 45D)	1.25 hour	1.00 hour

d. MWOs to be Applied Prior to or Concurrently with this MWO. None.

e. Additional Information. None.

7. TECHNICAL PUBLICATIONS AFFECTED/CHANGED.

TM 9-2350-314-10
TM 9-2350-314-20-2
TM 9-2350-314-24P-2

8. MWO KIT(S)/PART(S) AND THEIR DISPOSITION.

a. Kit(s)/Part(s) Needed to Apply the MWO. See Table 3.

Table 3. Kits/Parts Required.

NOMENCLATURE	NSN	CAGEC	PART NO.	QTY	ITEM NO.
Washer, Lock	5310-00-209-0786	96906	MS35335-33	12	2,5,12
Washer, Lock	5310-00-584-5272	96906	MS35338-48	1	18
Washer, Lock	5310-00-637-9541	96906	MS35338-46	1	26
Lifting Assembly	TBD	19200	12984448	1	32
Shield, Electrical	TBD	19200	12984447	1	33
Screw	5305-01-309-4781	96906	MS24678-42	4	35
Washer, Flat	5310-01-280-5796	96906	MS27183-57	4	36
Cleaning Block Assembly	TBD	19200	12984454	1	37

b. Contents of MWO Kits. Not applicable.

c. Bulk and Expendable Material. See Table 4.

Table 4. Bulk and Expendable Material

NOMENCLATURE	NSN	CAGEC	PART NO.
Alcohol, Isopropyl	6810-01-190-2538	81348	TT-1-735

d. Parts Disposition. Parts that are not used on the modified howitzer are listed in Table 5. Follow special disposition instructions provided by the item manager.

Table 5. Parts Disposition

NOMENCLATURE	NSN	CAGEC	PART NO.	QTY	ITEM NO.
Washer, Lock	5310-00-209-0786	96906	MS35335-33	12	2,5,12
Shield, Electrical	5999-01-324-2208	19200	12910552	1	10
Washer, Lock	5310-00-584-5272	96906	MS35338-48	1	18
Washer, Lock	5310-00-637-9541	96906	MS35338-46	1	26

9. SPECIAL TOOLS; TOOL KITS; JIGS; TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT. None.

10. MODIFICATION PROCEDURES.

WARNING

Use caution when rotating-the turret to avoid personal injury and/or equipment damage.

a. Setup.

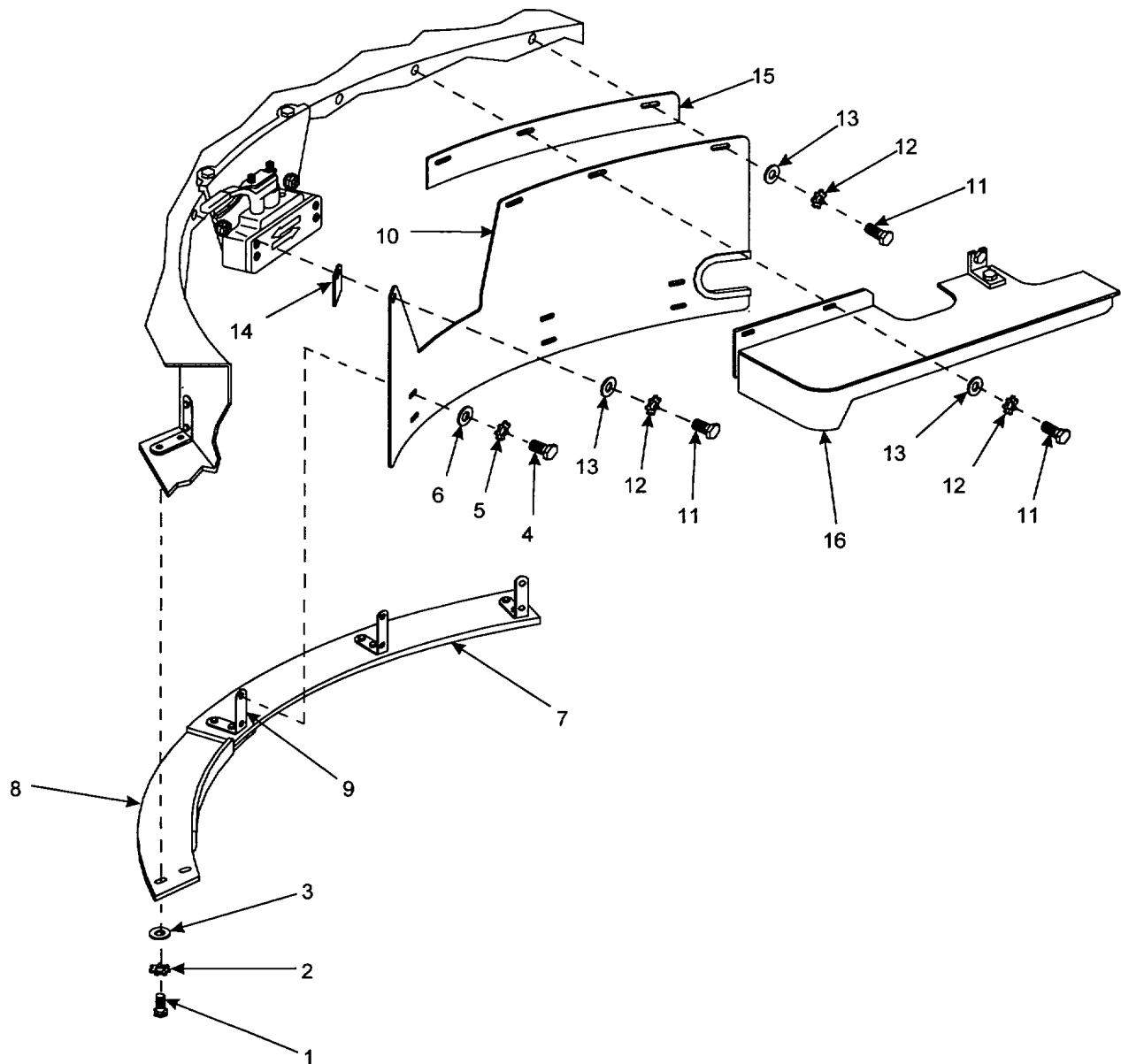
(1) Release the gun tube from the travel lock. Traverse the turret counterclockwise until the traverse lock is positioned directly above the non-hinged edge of the crew compartment door.

(2) Switch the MASTER power switch to the OFF position and disconnect the battery ground leads.

b. Removal of the Electrical Shield.

WARNING

Verify that the MASTER power switch is in the OFF position and the battery ground leads are disconnected. Failure to switch the MASTER power switch OFF and disconnect the battery ground leads can lead to serious personal injury.



(1) Remove two screws (1), two lock washers (2), and two flat washers (3). Set the two lock washers aside for disposition per paragraph 8.

(2). Remove six screws (4), six lock washers (5), and six flat washers (6) that secure electrical shield (7), electrical shield (8) and three hooks (9) to electrical shield (10). Remove, but do not disassemble electrical shield (7), electrical shield (8), and three hooks (9). Set the six lock washers aside for disposition per paragraph 8.

(3). Remove four screws (11), four lock washers (12), four flat washers (13), electrical shield (10), spacer (14), and spacer (15). The electrical shield slides down from behind mechanical drive guard (16) without removing the mechanical drive guard. Set the four lock washers and the electrical shield aside for disposition per paragraph 8.