ROUTINE

MWO effective date is 1 April 1992 and completion date is 30 September 1999.

MWO 9-2350-311-20-2

MODIFICATION WORK ORDER

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HOWITZER, MEDIUM SELF-PROPELLED
155MM, M109A2 (2350-01-031-0586) (EIC: 3EZ)
155MM, M109A3 (2350-01-031-8851) (EIC: 3E2)
155MM, M109A4 (2350-01-277-5770) (EIC: 3E8)
155MM, M109A5 (2350-01-281-1719) (EIC: 3E7)

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Headquarters, Department of the Army, Washington, DC

**14 April 1992**

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. Write a letter or complete and mail a DA Form 2028, Recommended Changes to Publications and Blank Forms, to: Commander, U.S. Army Armament, Munitions and Chemical Command, ATTN: AMSMC-MAS, Rock Island, IL 61299-6000. A reply will be provided to you.

1. PURPOSE.

This modification is reducing the infrared detectability of the Elbow Telescope used on the M109 Series Howitzers by replacing M118A2 Elbow Telescopes with M118A3 Elbow Telescopes.

2. PRIORITY.

This modification is classified ROUTINE.

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

3. END ITEM(S) OR SYSTEM(S) TO BE MODIFIED.

See table 1 for listing of end item(s) or system(s) to be modified.

Table 1. End Item(s) or System(s) to be Modified.

| Nomenclature | NSN | Part Number | FSCM | Type of Model No. | Serial No. Range |
|---|---|---|---|---|---|
| Howitzer, Self-Propelled Medium, 155MM, | 2350-01-031-0586 | 12012100 | 19204 | M109A2 | A1 |
| Howitzer, Self-Propelled Medium, 155MM | 2350-01-031-8851 | 12012200 | 19204 | M109A3 | A1 |
| Howitzer, Self-Propelled Medium, 155MM | 2350-01-277-5770 | 9399100 | 19200 | M109A4 | A1 |
| Howitzer, Self-Propelled Medium, 155MM | 2350-01-281-1719 | 12910870 | 19200 | M109A5 | A1 |

4. MODULE(S) (COMPONENTS, ASSEMBLIES, SUBASSEMBLIES, BOARDS AND CARDS) TO BE MODIFIED.

Not applicable.

5. PARTS TO BE MODIFIED.

Not applicable.

6. APPLICATION.

a. Time compliance schedule. The effective date of this MWO is 1 April 1992 and its completion date is 30 September 1999.

b. Level of maintenance. Organizational.

c. Work force and man-hour requirements for application of the MWO to a single unit, end item, or system.

| WORK FORCE SKILLS | MAN-HOURS |
|---|---|
| Self-propelled Field Artillery Mechanic 45D | 0.5 hrs |

Total man-hours required for a single application of this MWO is 0.5 hours.

d. MWO to be applied prior to or concurrently with the application of this MWO.
Not applicable.

e. Additional information. Refer to TM 750-116, Purging and Charging of Fire Control Instruments.

7. TECHNICAL PUBLICATIONS AFFECTED/CHANGED.

DMWR 9-1240-276 dated 6 DEC 83
TM 9-2350-311-10 dated 27 JUN 86
TM 9-2350-311-20-2 dated 30 JUN 86
TM 9-2350-311-20P-2 dated 15 Nov 89
TM 9-2350-311-34-2 dated 14 NOV 86
TM 9-1240-401-34 dated 22 MAY 87
TM 9-1240-401-34P dated 28 Jun 89

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

a. Kit(s)/part(s) needed to apply the MWO. See table 2.

Table 2. Kit/Parts Required.

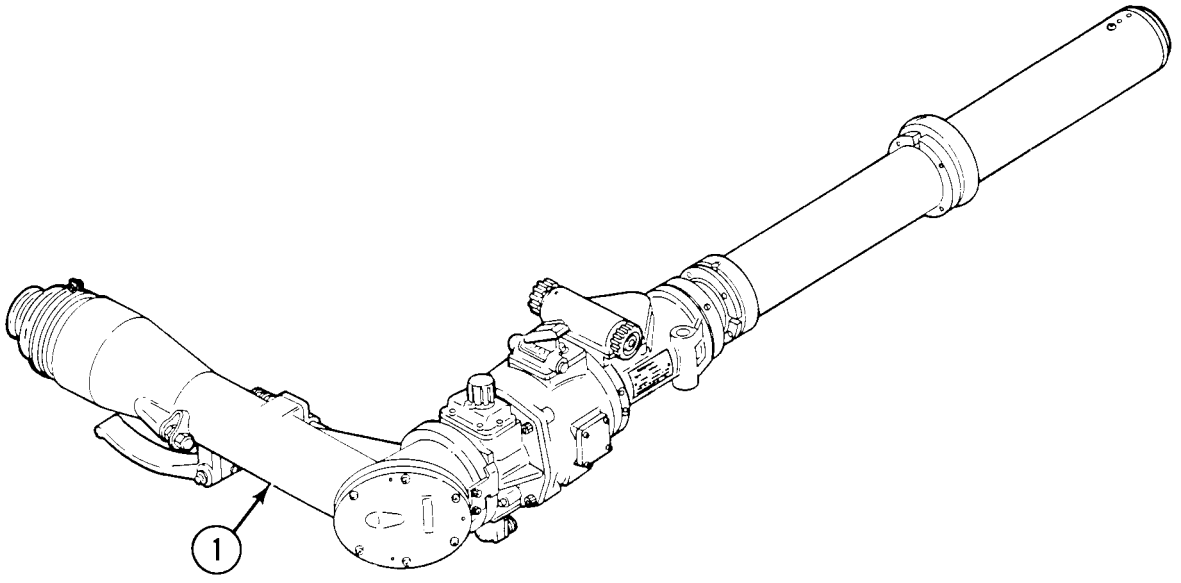
| NSN | Item Name and Part Number | FSCM | QTY | Figure and Item No. | |
|---|---|---|---|---|---|
| | | | | Fig. | Item |
| | Modification kit P/N N/A consisting of: | | | | |
| 1240-01-317-9241 | Elbow Telescope, M118A3 9356014 | 19200 | 1 | 1 | 1 |

b. Kit packaging See table 3 for listing of kit packaging.

Table 3. Kit Packaging.

| NSN | Weight | Dimensions | Cube | Security Classification |
|---|---|---|---|---|
| 1240-01-317-9241 | 70 lb | 3.69 x 1.85 x .92 FT | 6.28 CU FT | UNCLASSIFIED |

c. Contents of MWO kits. See table 2 for listing of kit/parts required. Illustration of kit is shown in figure 1.




LEGEND:

1. M118A3 Elbow Telescope 9356014

Figure 1. Modification Kit.

d. Bulk and expendable material. Not applicable.

e. Part disposition. Parts no longer required are listed in table 4 and will be disposed of in accordance with Modification Work Order Fielding Plan (MWOFP).

Table 4. Parts Disposition.

| Nomenclature | NSN | FSCM | Part Number | Q |
|---|---|---|---|---|
| Elbow Telescope, M118A2* | 1240-01-092-2693 | 19200 | 11829207 | 1 |

* Dispose according to SMR code PAODD.

9. SPECIAL TOOLS; TOOL KITS; JIGS; TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT (TMDE); AND FIXTURES REQUIRED.

Not applicable.