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TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE MANUAL

VOLUME III - PART 2

MAINTENANCE

TURRET FOR COMBAT ENGINEER VEHICLE, M728 (2350-00-795-1797)

This copy is a reprint which includes current pages from Changes 1 and 2.

HEADQUARTERS, DEPARTMENT OF THE ARMY
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Technical Manual

Organizational Maintenance Manual

Volume III - Part 2
Maintenance

TURRET
FOR
COMBAT ENGINEER VEHICLE,
M728
(2350-00-795-1797)

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know.

Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual directly to:

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U. S. Army Armament, Munitions and Chemical Command
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Rock Island, IL 61299-6000

A reply will be furnished to you.

*This manual in conjunction with TM 9-2350-222-20-2-1, TM 9-2350-222-20-2-2-1, TM 9-2350-222-20-2-2-2, TM 9-2350-222-20-2-3-1, TM 9-2350-222 -20-2-3-3 supersedes the turret portion of TM 9-2350-222-20, September 1965, including all changes.

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CHAPTER 15

IR PERISCOPE SPARE HEAD STOWAGE BOX

15-1. MAINTENANCE PROCEDURES INDEX

Equipment Item	Tasks			
	Removal	Installation	Disassembly	Assembly
IR Periscope Spare Head Stowage Box	15-2	15-3	15-4	15-5

15-2. IR PERISCOPE SPARE HEAD STOWAGE BOX REMOVAL PROCEDURE

TOOLS: Cross tip screwdriver (Phillips)
7/16" open end wrench

PERSONNEL: One

REFERENCES: TM 9-2350-222-10 for procedure to:
Traverse turret
Set traverse lock to LOCKED

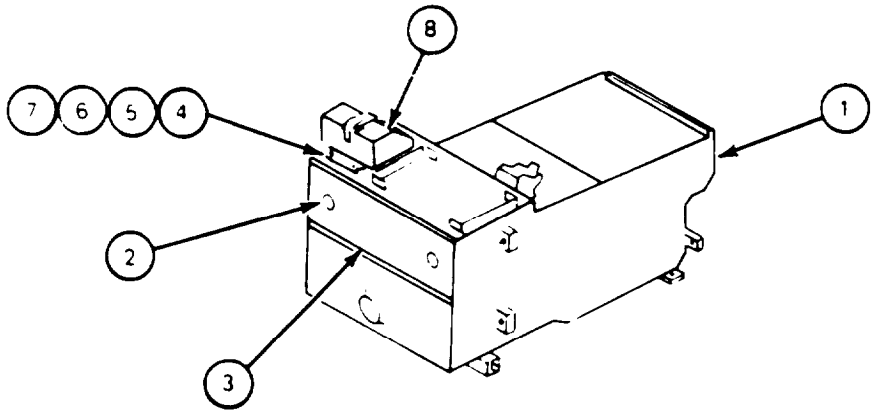
EQUIPMENT LOCATION INFORMATION:

EQUIPMENT	FOLDOUT	CALLOUT
Driver 's Master Control Panel	FO-3	11
Turret Traverse Lock	FO-3	7
Periscope Stowage Box	FO-4	9

EQUIPMENT CONDITION: Driver's master control panel MASTER BATTERY switch set to OFF
IR periscope spare head removed from stowage box

FRAME 1

Step	Procedure
1.	Traverse turret until periscope stowage box (1) can be reached from driver's compartment (TM-10).
2.	Set turret traverse lock to LOCKED (TM-10).
3.	Open two latches (2) and open door (3).
4.	Using screwdriver and wrench, remove four screws (4). four Iockwashers (5), four flat washers (6), and four nuts (7) that hold IR periscope spare head stowage box (8) on periscope stowage box (1). Remove IR periscope spare head stowage box.
5.	Close door (3) of periscope stowage box (1).
	END OF TASK



15-3. IR PERISCOPE SPARE HEAD STOWAGE BOX INSTALLATION PROCEDURE

TOOLS: Cross tip screwdriver (stubby) (Phillips)
7/ 16“ open end wrench
3/8” drive torque wrench (0 to 150 inch-pounds)
7/16’” socket (3/8” drive)

PERSONNEL: One

REFERENCES: TM 9-2350-222-10 for procedures to:
Traverse turret
Set turret traverse lock to LOCKED

EQUIPMENT LOCATION INFORMATION:

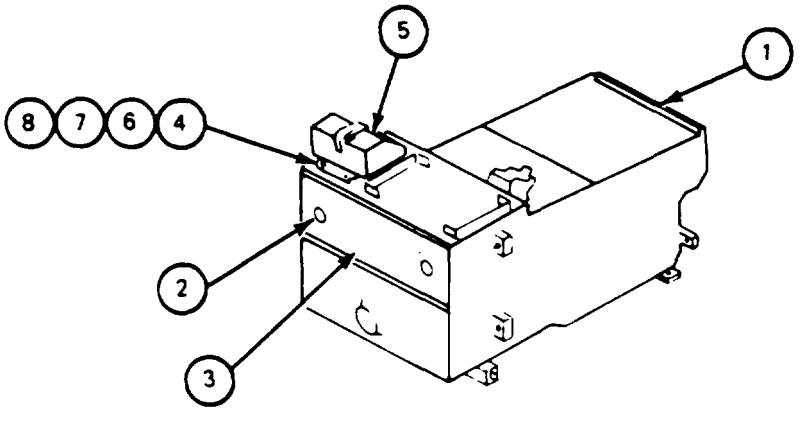
EQUIPMENT	FOLDOUT	CALLOUT
Turret Traverse Lock	FO-3	7
Periscope Stowage Box	FO-4	9

PRELIMINARY PROCEDURES: Install periscope stowage box (para 19-3)

15-3. IR PERISCOPE SPARE HEAD STOWAGE BOX INSTALLATION PROCEDURE (CONT)

FRAME 1

Step	Procedure
1.	Traverse turret until periscope stowage box (1) can be reached from driver's compartment (TM-10).
2.	Set turret traverse lock to LOCKED (TM- 10).
3.	Open two latches (2) and **open** door (3).
	NOTE Put in four screws (4) with screw head inside periscope stowage box (1).
4.	Using screwdriver and wrench, attach IR periscope spare head stowage box (5) to periscope stowage box (1) with four screws (4), 'four lockwashers (6). four flat washers (7), and four nuts (8). Torque four nuts (8) to between 48 and 60 inch-pounds.
5.	Close door (3) of stowage box (1).
	END OF TASK



15-4. IR PERISCOPE SPARE HEAD STOWAGE BOX DISASSEMBLY PROCEDURE

TOOLS: Putty knife

PERSONNEL: One

PRELIMINARY PROCEDURES: Remove IR periscope spare head stowage box (para 15-2)

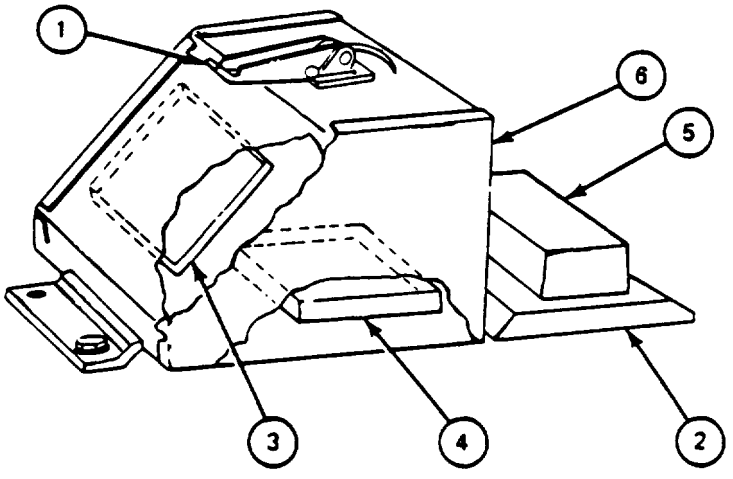
GENERAL INSTRUCTIONS:

NOTE

Only parts that are bad and need to be replaced should be removed.

FRAME 1

Step	Procedure
1.	Operate latch (1) and open door (2).
2.	Using putty knife, remove pad (3), pad (4), and pad (5) from box (6) as required.
	END OF TASK



15 -5. IR PERISCOPE SPARE HEAD STOWAGE BOX ASSEMBLY PROCEDURE

SUPPLIES: Adhesive (item 4, App. A)
Brush (item 5, App. A)

PERSONNEL: One

REFERENCES: JPG for procedure to use adhesives

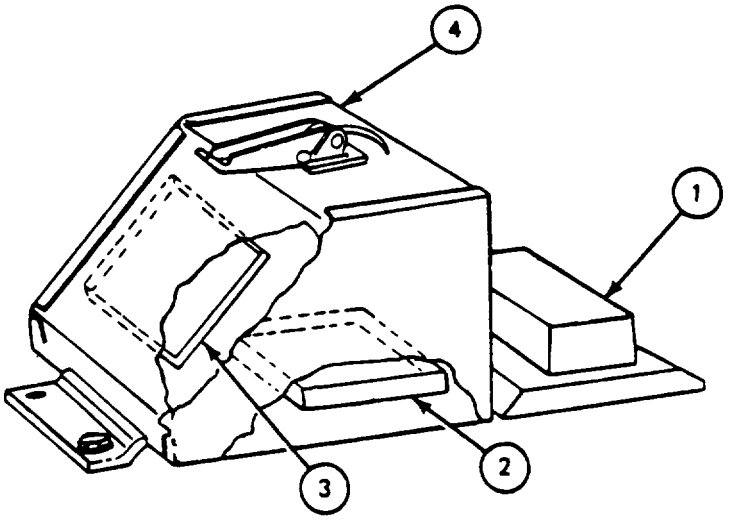
GENERAL INSTRUCTIONS:

NOTE

Only parts that are being replaced should be installed.

FRAME **1**

Step	Procedure
1.	Using brush and adhesive, install pad (1), pad (2), and pad (3) in box (4) as required (JPG).
	NOTE
	Follow-on Maintenance Action Required:
	Install IR periscope spare head stowage box (para 15-3).
	END OF TASK



CHAPTER 16

DRIVER'S NIGHT VIEWER STOWAGE BOX

16-1. MAINTENANCE PROCEDURES INDEX

Equipment Item	Tasks			
	Removal	Installation	Disassembly	Assembly
Driver's Night Viewer Stowage Box	16-2	16-3	16-4	16-5

16-2. DRIVER'S NIGHT VIEWER STOWAGE BOX REMOVAL PROCEDURE

TOOLS: 9/16" combination wrench

PERSONNEL: One

REFERENCES: TM 9-2350-222-10 for procedures to:
Depress main gun
Traverse turret
Set turret traverse lock to LOCKED

EQUIPMENT LOCATION INFORMATION:

EQUIPMENT	FOLDOUT	CALLOUT
Driver's Master Control Panel	FO-3	11
Turret Traverse Lock	FO-3	7

EQUIPMENT CONDITION: Driver's master control panel MASTER BATTERY switch set to OFF
All loose equipment removed from driver's night viewer stowage box

PRELIMINARY PROCEDURES: Remove oddment stowage box (para 2 1-2)
Remove rations box (para 18-2)