

TECHNICAL MANUAL

OPERATOR'S MANUAL
FOR
NIGHT VISION SIGHT,
INDIVIDUAL SERVED WEAPON AN/PVS-2
(5855-087-2947), ANIPVS-2A
(5855-179-3708), AND ANIPVS-2B
(5855-760-3869)

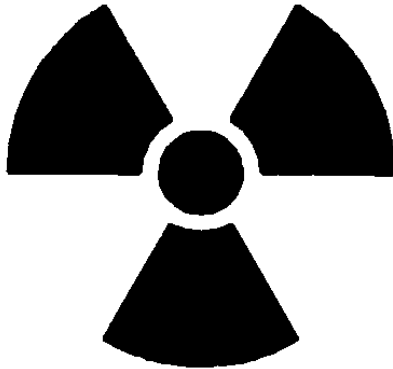
This reprint includes all changes in effect at the time of publication; changes 1 and 2.

HEADQUARTERS, DEPARTMENT OF THE ARMY

AUGUST 1974

WARNING

RADIATION HAZARD



RADIOACTIVE MATERIAL

THORIUM-232

THE OPTICAL GLASS IN THE NIGHT VISION SIGHT MAY CONTAIN THORIUM AND PRESENT A POSSIBLE EYE HAZARD. A GREEN KNURLED RING, JUST FORWARD OF THE EYESHIELD INDICATES THAT THE NIGHT VISION SIGHT IS SAFE TO USE.

CHANGE

NO 1

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON DC 13 *April 1976*

**Operator's Manual
For
NIGHT VISION SIGHT,
INDIVIDUAL SERVED WEAPON
AN/PVS-2 (5855-087-2947),
AN/PVS-2A (5855-179-3708), AND
AN/PVS-2B (5855-760-3869)**

TM 11-5855-203-10, 29 August 1974, is changed as follows:

Page 4, paragraph 1-3, line 1. Change "AMSEL-MA-S" to read "DRSEL-MA-Q"

Page 16. paragraph 2-4 After paragraph 2-4. and paragraph 2-4.1.

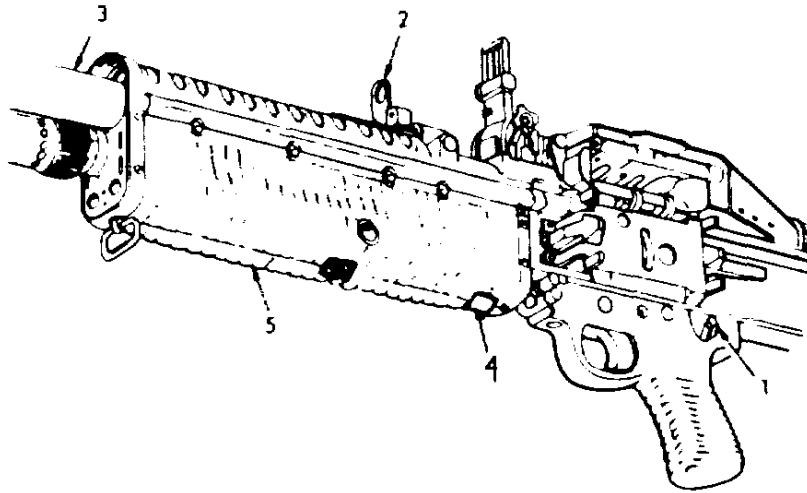
2-4.1. Installation on M60 Machine Gun

(fig. 2-4.1)

- a. Refer to figure 2-4.1 for installation of the M60 adapter assembly on the M60 machine gun

- b.* Rotate the lock knobs of the boresight mount assembly forward (toward objective lens) until they come to a stop on the pins on the assembly.
- c.* Slide the boresight mount assembly onto the guide rail of the M60 adapter assembly from the rear until it is positioned against the pin stop of the guide rail.
- d.* Lock the night vision sight on the M60 adapter assembly by rotating the two locking knobs of the boresight mount assembly in a rearward direction.

INSTALLATION INSTRUCTIONS FOR M60 MACHINEGUN ADAPTER ASSEMBLY

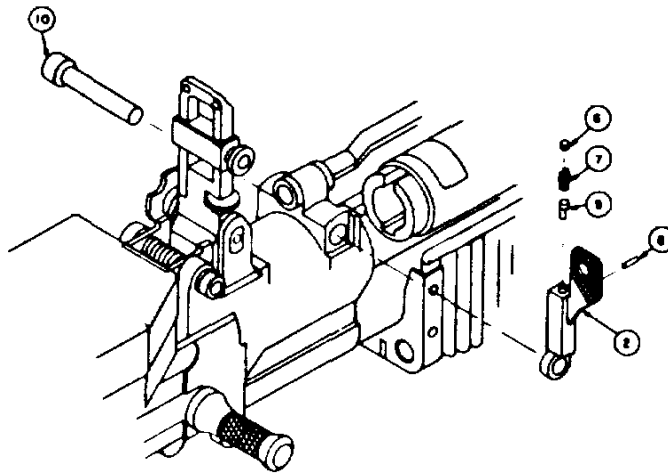


BARREL AND HEAT SHIELD REMOVAL

- | | |
|---------|--|
| STEP 1. | PLACE SAFETY (I) ON SAFE. |
| STEP 2. | RAISE BARREL LOCK LEVER (1). |
| STEP 3. | PULL BARREL (3) STRAIGHT FORWARD TO REMOVE. |
| STEP 4. | INSERT HOSE OF CARTRIDGE INTO HOLE (4) AND
DEPRESS HEAT SHIELD LATCH. |
| STEP 5. | WITHDRAW AND REMOVE HEAT SHIELD |

EL855 -203 -10-C -TM-10①

Figure 2-4.1 1. Installation of M60 adapter assembly (sheet (1) of 4).



RELEASE LEVER AND SHAFT REMOVAL

CAUTION

THE DETENT PLUNGER (6) AND DETENT SPRING(7) ARE SPRING TENSION LOADED BEFORE REUOVING LOCK PIN (8) PLACE AND OVER TOP OF BARREL RELEASE LEVER (2) SO THAT PARTS WILL NOT BE LOST UPON REMOVAL OF LOCK PIN

STEP 6

REMOVE LOCK PIN (8) DETENT PLUNGER (6). DETENT SPRING (7) AND DETENT PIN (9) FROM BARREL RELEASE LEVER (2)

STEP 7-

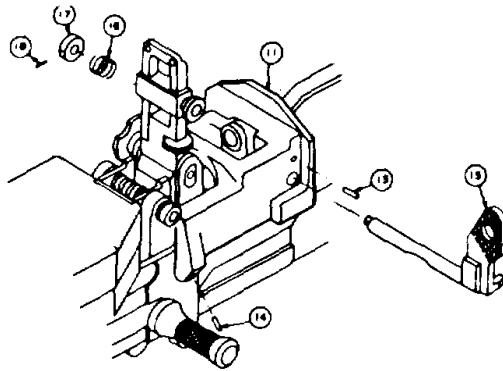
REMOVE BARREL RELEASE LEVER (2) AND WITHDRAW BRARREL LOCK SHAFT (10)

NOTE

THE BARREL LOCK SHAFT (10) AND THE BARREL RELEASE LEVER (2) INCLUDING LOCK PIN (8). DETENT PLUNGER (6), DETENT SPRING (7), AND DETENT PIN (9) ARE REPLACED WITH A COMBINATION BARREL LOCK SHAFT AND RELEASE LEVER (15) THAT IS SUPPLIED WITH THE WEAPON ADAPTER BRACKET ASSEMBLY

EL5855-203-10-CI-TM-10(2)

Figure 24.1 (2). Installation of M60 adapter assembly (sheet 2 of 4).



SADDLE BLOCK INSTALLATION

NOTE: BEFORE INSTALLING SADDLE BLOCK (11) ON GUN REMOVE ADAPTER BRACKET (12) LOOSEN FOUR SET SCREWS (13) AND (14) (TWO SET SCREWS ARE LOCATED ON EACH SIDE OF SADDLE BLOCK) AND REMOVE BARREL LOCK SHAFT (15) FROM SADDLE BLOCK

STEP 8 PLACE SADDLE BLOCK (11) DOWN INTO POSITION ON GUN

STEP 9 INSTALL BARREL LOCK SHAFT (15) INTO SADDLE BLOCK PLACE COMPRESSION SPRING (16) WITH RETAINING COLLAR (17) OVER END OF SHAFT AND INSTALL SPRING PIN (18) THROUGH COLLAR AND SHAFT. PUT RELEASE LEVER END OF BARREL LOCK (15) IN VERTICAL POSITION TO RECEIVE BARREL

STEP 10 REPLACE BARREL ON GUN BY INSERTING STRAIGHT BACK INTO RECEIVER WITH GAS CYLINDER NUT IN ALINEMENT WITH OPERATING ROD TUBE

STEP 11 LOWER BARREL LOCK RELEASE LEVER TO HORIZONTAL POSITION LOCKING BARREL IN PLACE

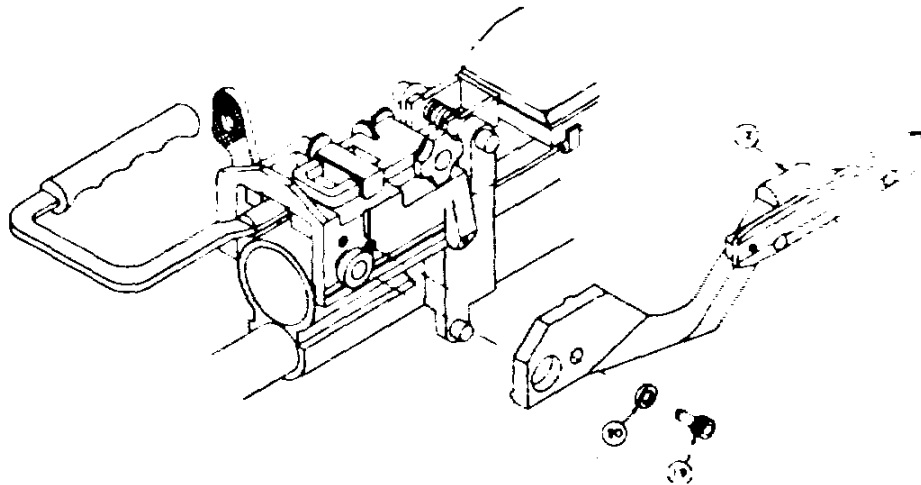
STEP 12 SNUG UP EVENLY BY ALTERNATE GRADUAL TIGHTENING THE TWO SET SCREWS (13). DURING THIS PROCEDURE CHECK FREE MOVEMENT OF BARREL LOCK SHAFT BY RAISING AND LOWERING BARREL RELEASE LEVER TO INSURE THAT SHAFT IS NOT BINDING. THEN SNUG UP EVENLY IN SIMLAR MANNER THE REMAINING TWO SET SCREWS (14)

STEP 11 RAISE BARREL LOCK RELEASE LEVER TO VERTICAL POSITION AND REMOVE BARREL

NOTE THE SADDLE BLOCK SHOULD BE LEFT ON THE GUN ONCE IT IS INSTALLED. INSTALL THE WEAPON ADAPTER BRACKET ON THE SADDLE BLOCK WHENEVER THE STARLIGHT SCOPE IS TO BE USED

ELS855-203-10-CI-TM-10 (3)

Figure 2-4.1 (3). Installation of M60 adapter assembly (sheet 3 of 4).



WEAPON ADAPTER BRACKET INSTALATION

- STEP 14 PLACE WEAPON ADAPTER BRACKET (12) IN PLACE AGAINST SADDLE BLOCK (11) AND TIGHTEN SCREW (19) THROUGH BLOCK WASHER (20) AND ADAPTER BRACKET INTO SADDLE BLOCK
- STEP 15 REPLACE HEAT SHEILD ON GUN BY GUIDING THE ASSEMBLY OVER THE OPERATING ROD TUBE TO INSURE THAT THE OPERATING ROD DOES NOT STRIKE THE BAFFLES INSIDE THE ASSEMBLY. ALINE THE RECESS IN THE HEAT SHIELD ASSEMBLY WITH THE END OF THE OPERATING ROD TUBE. TAP BOTTOM REAR OF THE ASSEMBLY FIRMLY WITH THE PALM OF THE HAND TO LOCK IT IN POSITON.
- STEP 16 REPLACE BARREL ON GUN FOLLOWING PROCEDURE GIVEN IN STEP 10 AND 11.

EL5855-203-10-CI-TM-10(4)

Figure 2-4.1 (4). Installation of M6O adapter assembly (sheet 4 of 4).

Page 35, Section III. Add the following in the appropriate column:

(1)	(2)	(3)	(4)
5855-405-0407	ADAPTER ASSEMBLY, M60 SSC645740 (80063)	EA	1

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FRED C WEYAND
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NG: State AG (3)

USAR: None

For explanation of abbreviations used, see AR 310-50.