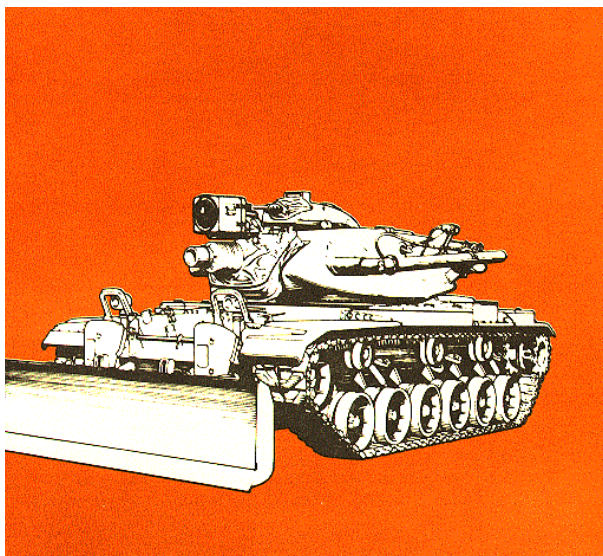


**OPERATOR'S MANUAL
OPERATION UNDER USUAL
AND UNUSUAL CONDITIONS**



OPERATION UNDER
USUAL
CONDITIONS
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OPERATION UNDER
USUAL
CONDITIONS
PAGE 2-608

**VEHICLE, COMBAT ENGINEER
FULL TRACKED: M728
(2350-00-795-1797)**

**This copy is a reprint which includes
current pages from Changes 1 through 9.**

HEADQUARTERS, DEPARTMENT OF THE ARMY

JANUARY 1981

TA133251

Technical Manual
No. 9-2350-222-10-2

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D.C. 12 January 1981

OPERATOR'S MANUAL
OPERATION UNDER USUAL AND UNUSUAL CONDITIONS
VEHICLE, COMBAT ENGINEER
FULL TRACKED, 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 202&2 located in the back of this manual direct to: Commander, U.S. Army Tank-Automotive Command, Attn: AMSTA-MBC Warren, MI 48397-5000. A reply will be furnished to you.

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*This manual, together with TM 9-2350-222-10-1, 12 January 1981, and TM 9-2350-222-10-3, 12 January 1981, supersedes TM 9-2350-222-10, August 1965 and TM 9-2350-222-ESC, 16 October 1972.

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PREPARE TO OPERATE VEHICLE (OPEN HATCHES)**To Open Loader's Hatch:
Equipment:**

Get key for hatch padlock.

1. Stand on turret over hatch.
2. Using key, unlock hatch padlock.
3. Grasp hatch handle (A).
4. Lift hatch (B) to position (C).

NOTE

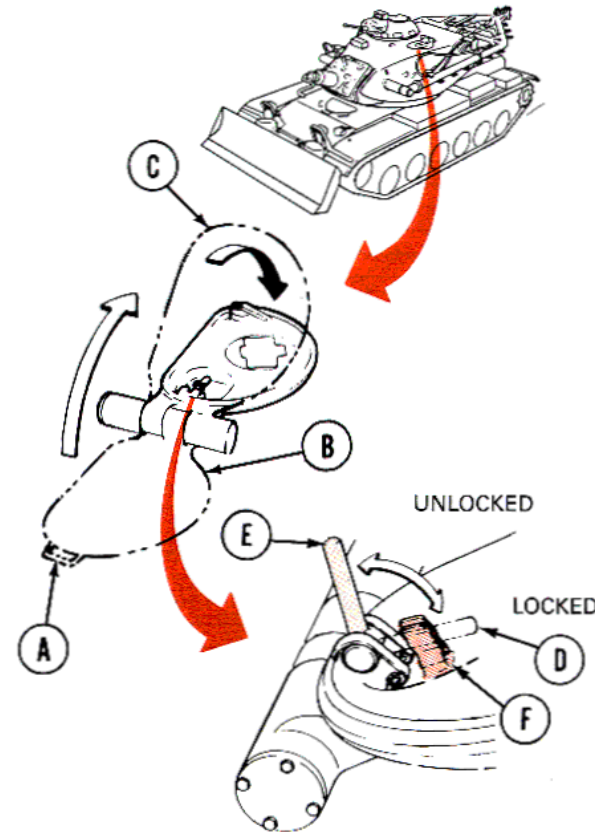
Spring-loaded lock will lock hatch in position (C).

5. Pull lock handle (D) to unlocked position (E). Hold.
6. Lower hatch to deck.
7. Release lock handle.

WARNING

Be sure lock handle is secured in spring clip (F) when hatch is open.

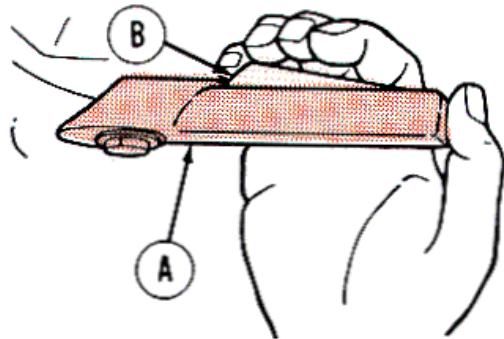
8. Push lock handle (D) into spring clip (F) when hatch is opened.



PREPARE TO OPERATE VEHICLE (OPEN HATCHES) - Continued

To Open Cupola Hatch Cover:

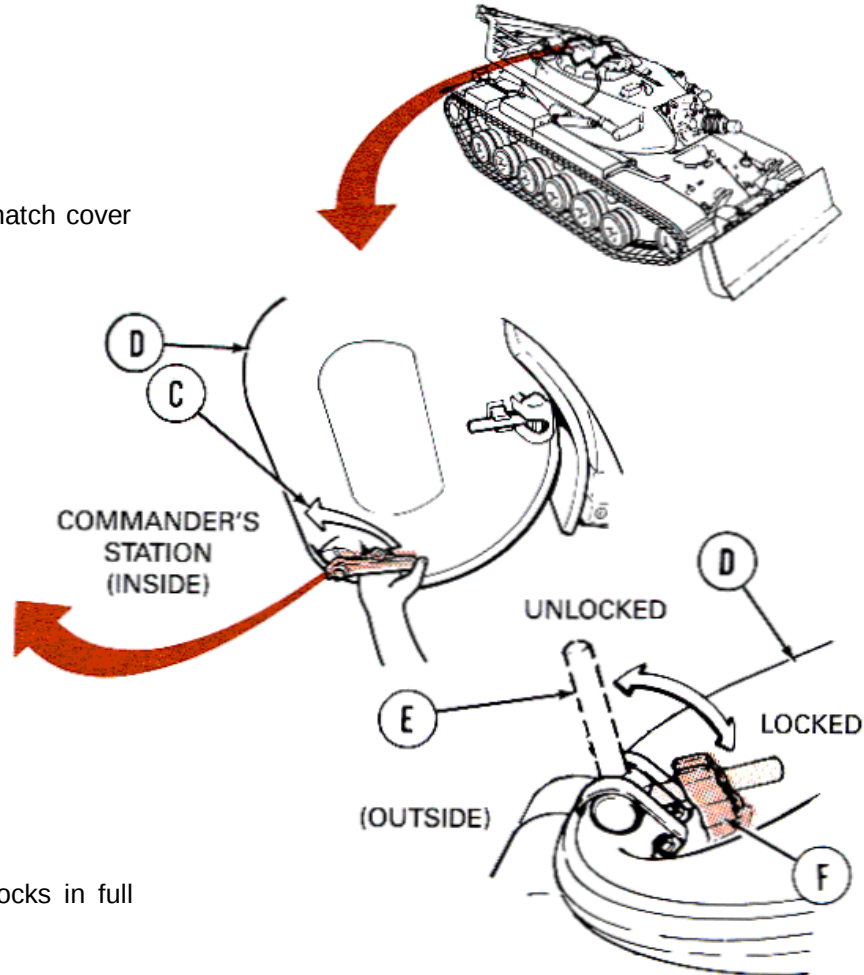
1. Grip hatch release handle (A).
2. Squeeze plate (B) to unlock.
3. Push handle counterclockwise (C) to unlock hatch cover (D). Cover will spring slightly.



WARNING

Be sure hatch cover is in the locked (fully open) position before releasing cover.

4. Push hatch cover (D) upward until it spring locks in full open position.
5. Push hold-open lock (E) into spring clip (F).



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PREPARE TO OPERATE VEHICLE (OPEN HATCHES) - Continued

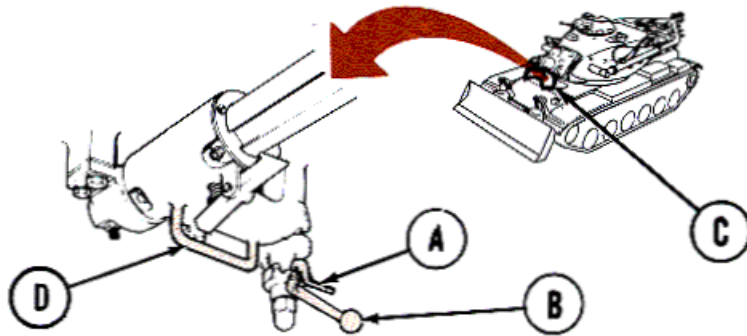
To Open Driver's Hatch

CAUTION:

Do not open driver's hatch if driver's IR periscope or night vision viewer is installed. To open driver's hatch could damage periscope or viewer.

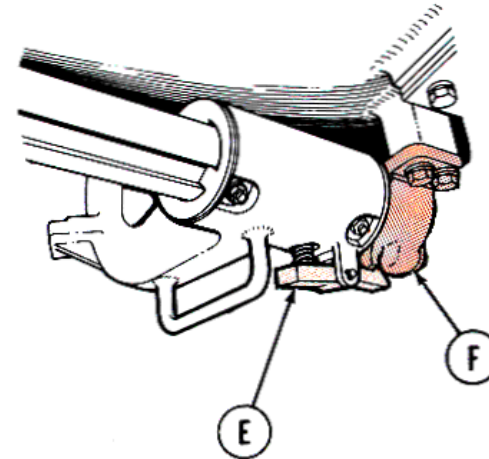
Make Sure:

•Driver's IR periscope (page 2-596) or night vision viewer (page 2 600.1) is removed from driver's hatch.



1. Sit in driver's seat.
2. With left hand, press latch (A).

3. Then push handle (B) forward to unlock hatch (C).
4. With both hands, reach upward and behind head. Grasp hatch handle (D).
5. Slide hatch (C) to right in one smooth motion.



6. Be sure that hold-open latch (E) is securely engaged to fixed bracket (F) when hatch is open.

PREPARE TO OPERATE VEHICLE (INSTALL AND TIE DOWN ANTENNA)**Equipment:**

Get from Stowage:

- Antenna bottom section (A).
- Antenna top section (B).
- Antenna tie down cord (C).

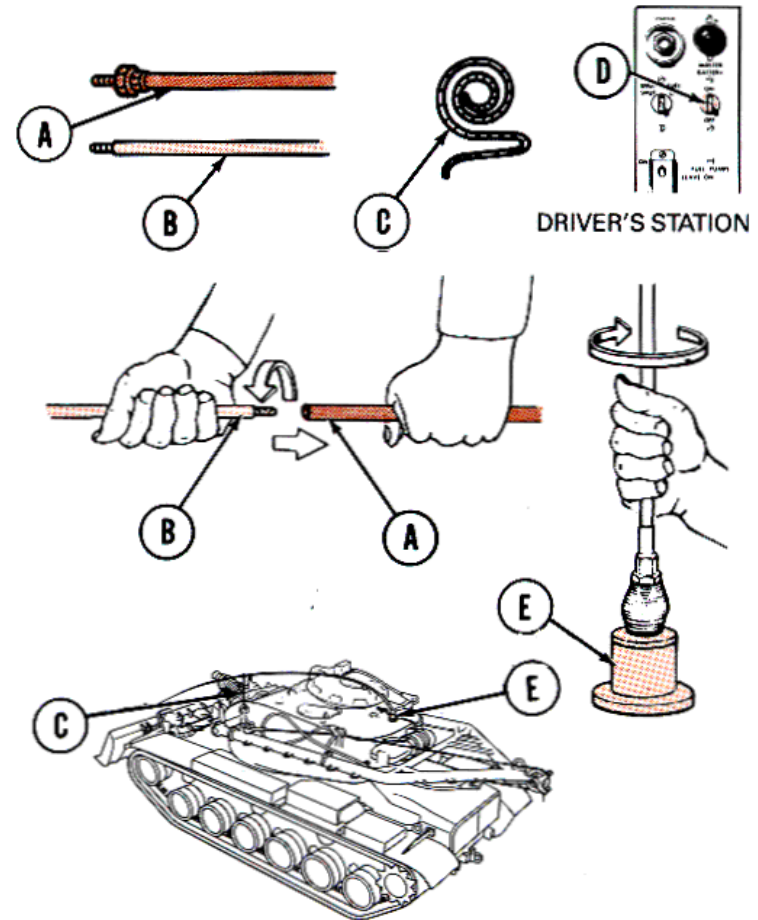
Make Sure:

- MASTER BATTERY switch (D) is set to OFF.
1. Join antenna bottom section (A) to antenna top section (B) by inserting section (B) into section (A) and rotating as shown until tight.
 2. Attach antenna to antenna base support (E) by rotating antenna clockwise.

NOTE

Antenna is to be tied down when vehicle is moving or when vehicle is operating in areas with high tension power lines. When antenna is tied down, do not operate radio on high power.

3. Using tie down cord (C), tie antenna to the turret so it does not prevent operation of the turret or cupola.



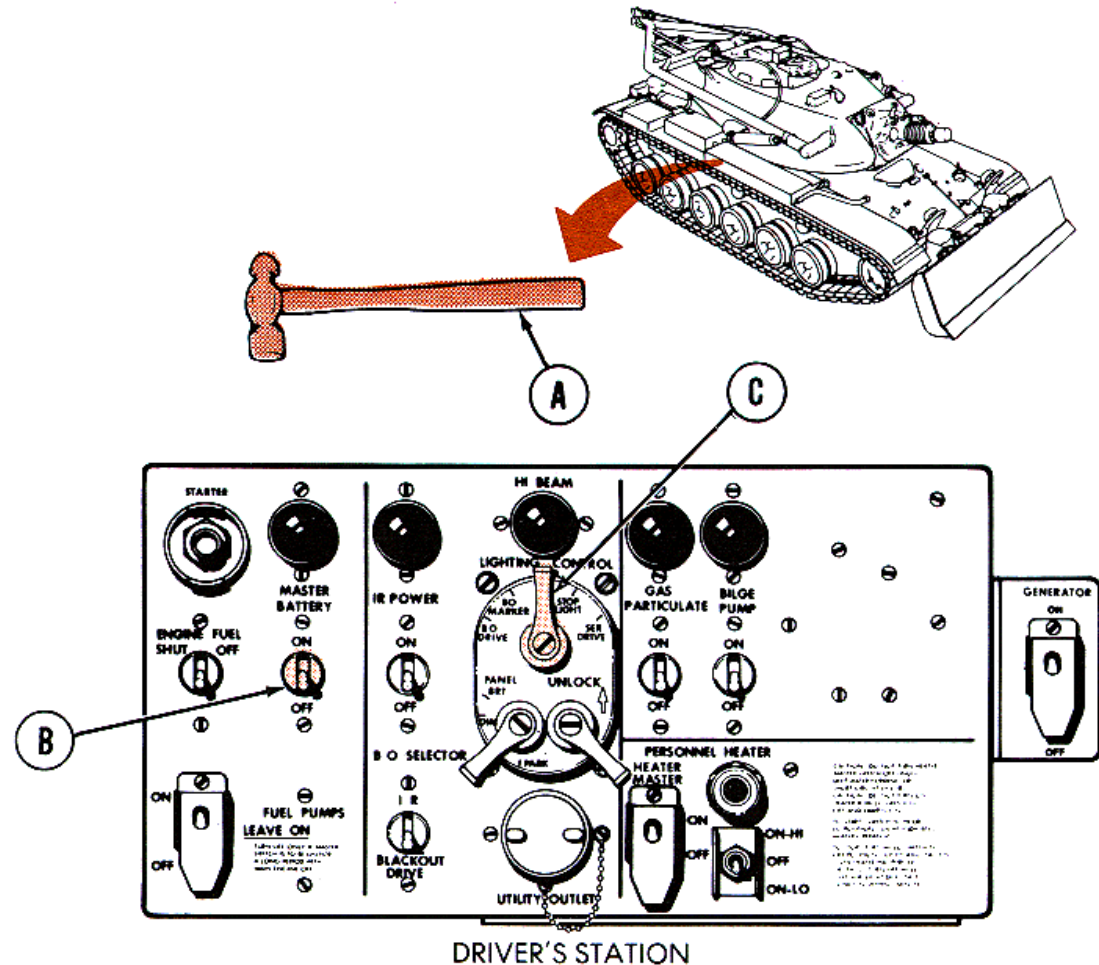
PREPARE TO OPERATE VEHICLE (INSTALL HEADLIGHT ASSEMBLIES) - Continued

Tools:

Get hammer (A) from right front fender box.

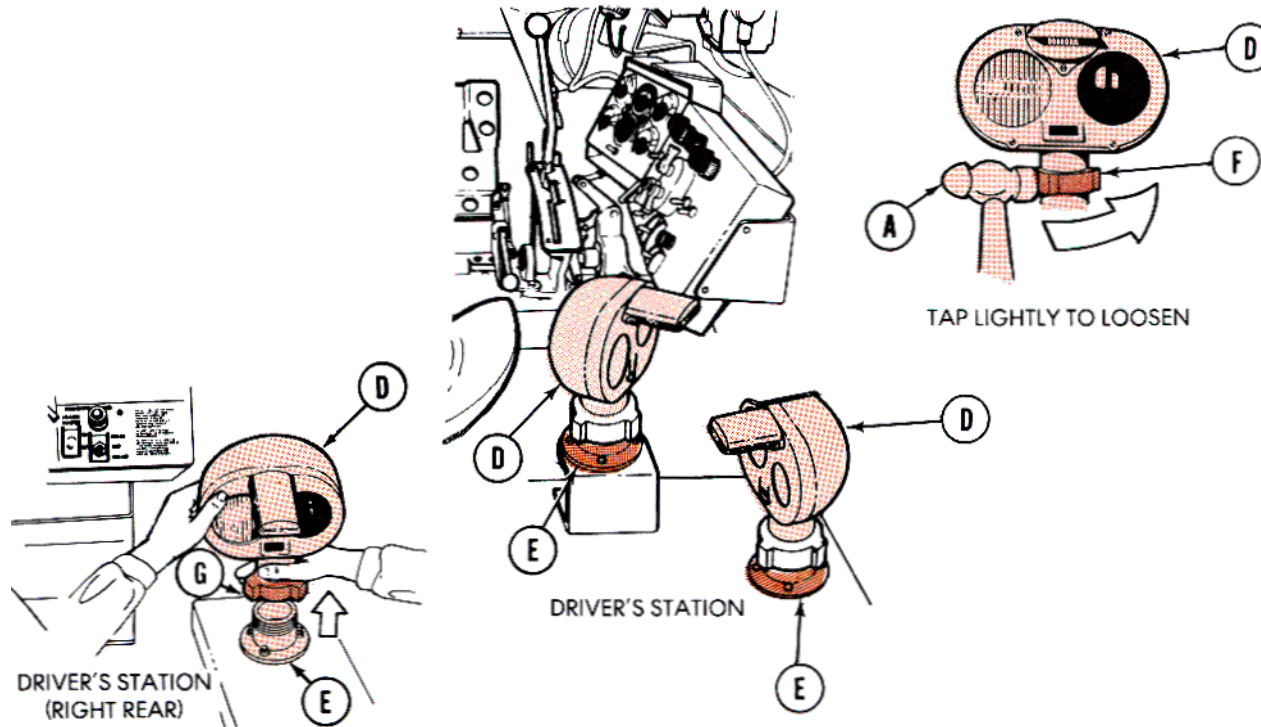
Make Sure:

- MASTER BATTERY switch (B) is set to OFF.
- LIGHTING CONTROL lever (C) is set to OFF.



PREPARE TO OPERATE VEHICLE (INSTALL HEADLIGHT ASSEMBLIES) - Continued

1. Locate headlight assemblies (D) on two inside stowage mounts (E).



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2. Unscrew retainer nut (F) from each mount. If necessary, tap lightly with hammer (A) to loosen.
3. Lift each headlight assembly (D) and remove from mount (E).