ROOF ARMOR REPLACEMENT

0023 00

THIS WORK PACKAGE COVERS

Removal, Cleaning and Inspection, Installation

INITIAL SETUP

Maintenance Level

Unit

Tools and Special Tools

Tool Kit, General Mechanic's (Item 10, WP 0032 00)

Shop Equipment, Common No. 1 (Item 8, WP 0032 00)

Sling (Item 9, WP 0032 00)

Lifting Device (500-lb capacity)

Materials/Parts

Adhesive, Thread (Item 1, WP 0033 00)

Rag, Wiping (Item 7, WP 0033 00)

Sealing Compound, Urethane (Item 8, WP 0033 00)

Locknut (40)

References

WP 0011 00

Personnel Required

Two

Equipment Conditions

Vehicle parked on level ground (TM 9-2320-364-10)

Parking/Emergency Brake applied (TM 9-2320-364-10)

Engine off (TM 9-2320-364-10)

If equipped, Battery Disconnect Switch in OFF position (TM 9-2320-364-10)

Escape Hatch Assembly removed (WP 0022 00)

0023 00

REMOVAL

- 1. Loosen 10 bolts (15) on two front roof brackets (14).
- 2. Remove 12 locknuts (17), washers (16), and two front roof brackets (14). Discard eight locknuts.
- 3. Reinstall two locknuts (17) on both stud plates (18) to keep stud plates attached to roof armor (19) during removal. Hand tighten locknuts.
- 4. Remove 20 locknuts (20), washers (21), and two spacers (13) from around the escape hatch opening. Discard locknuts.
- 5. Remove eight bolts (2), washers (3), locknuts (4), and washers (5) from two antenna brackets (1). Discard locknuts.



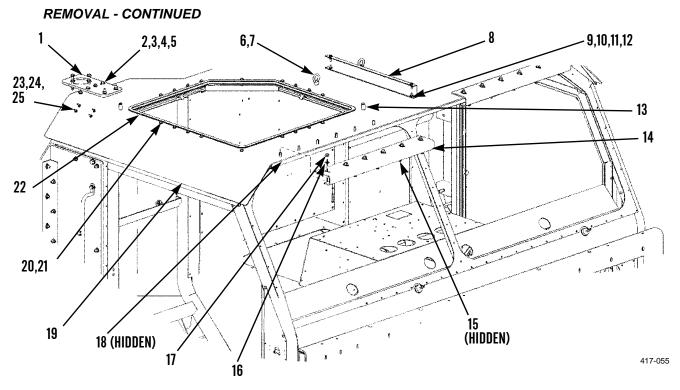
WARNING

Use extreme caution when handling heavy parts. Provide adequate support and use assistance during procedure. Ensure that any lifting device used is in good condition and of suitable load capacity. Keep clear of heavy parts supported only by lifting device. Failure to follow this warning may cause injury or death to personnel.

NOTE

Roof armor weighs 219 lb (99.3 kg).

- 6. Attach sling and lifting device to lifting eyes (6) on roof armor (19).
- 7. Using lifting device, lift roof armor (19) from cab roof and place on flat surface.
- 8. Remove sling and lifting device from lifting eyes (6).
- 9. Remove four locknuts (17) and two stud plates (18) from front of roof armor (19). Discard locknuts.
- 10. If damaged, remove escape hatch seal (22) from roof armor (19).
- 11. Remove four locknuts (23), washers (24), and stud plate (25) from roof armor (19).
- 12. Remove four locknuts (9), washers (10), bolts (12), washers (11), and two storage brackets (8) from roof armor (19).
- 13. If necessary, remove two lifting eyes (6) and stud plate (7) from roof armor (19).



CLEANING AND INSPECTION

Clean and inspect all parts IAW General Maintenance Instructions (WP 0011 00).

INSTALLATION

- 1. If removed, install stud plate (7) and two lifting eyes (6) on roof armor (19).
- 2. Install two storage brackets (8), four washers (11), bolts (12), washers (10), and new locknuts (9) on roof armor (19).
- 3. Install stud plate (25), four washers (24), and new locknuts (23) on roof armor (19).
- 4. If removed, install new escape hatch seal (22) on roof armor (19).
- 5. Install two stud plates (18) on front edge of roof armor (19). Hold stud plates to roof armor with two loosely installed locknuts (17) on each stud plate.



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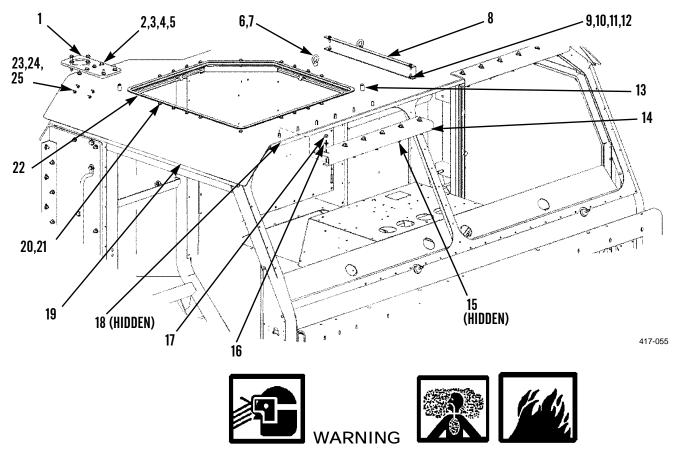
NOTE

Roof armor weighs 219 lb (99.3 kg).

6. Attach sling and lifting device to two lifting eyes (6).

INSTALLATION - CONTINUED

- 7. Use lifting device to install roof armor (19) on cab roof, aligning holes in right side of roof armor with holes in cab roof.
- 8. Remove sling and lifting device from roof armor (19).
- 9. Install 20 washers (21), new locknuts (20), and two spacers (13) around escape hatch opening.
- 10. Remove two loosely installed locknuts (17) from two stud plates (18).
- 11. Install two roof armor brackets (14), 12 washers (16), and new locknuts (17) on roof armor (19).
- 12. Tighten 10 bolts (15) on roof armor brackets (14).
- 13. Install eight washers (5), bolts (2), washers (3), and new locknuts (4) on two antenna brackets (1).



Use caution when using adhesives and sealants. Prolonged inhalation of vapors can cause lung irritation. Contact with skin can cause dermatitis. Wear gloves and safety goggles and use product in a well-ventilated area away from open flame. If ingested, keep individual calm and seek medical attention. DO NOT induce vomiting. If contact with skin or eyes is made, flush thoroughly with water. Dispose of cleanup rags IAW local policy and ordinances. Failure to follow this warning may cause injury to personnel.

- 14. Apply bead of sealing compound around escape hatch opening between roof armor (19) and existing roof.
- 15. Install escape hatch assembly (WP 0022 00).

END OF WORK PACKAGE