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**WINDSHIELD BALLISTIC GLASS REPLACEMENT**

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**0017 00****THIS WORK PACKAGE COVERS**Removal, Cleaning and Inspection, Installation

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**INITIAL SETUP****Maintenance Level**

Unit

**References**

WP 0010 00

**Tools and Special Tools**

WP 0011 00

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

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

Dispenser, Sealant (Item 2, WP 0032 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)

**Materials/Parts**

Rag, Wiping (Item 7, WP 0033 00)

Sealant, Urethane (Item 8, WP 0033 00)

Locknut (21)

Lockwasher

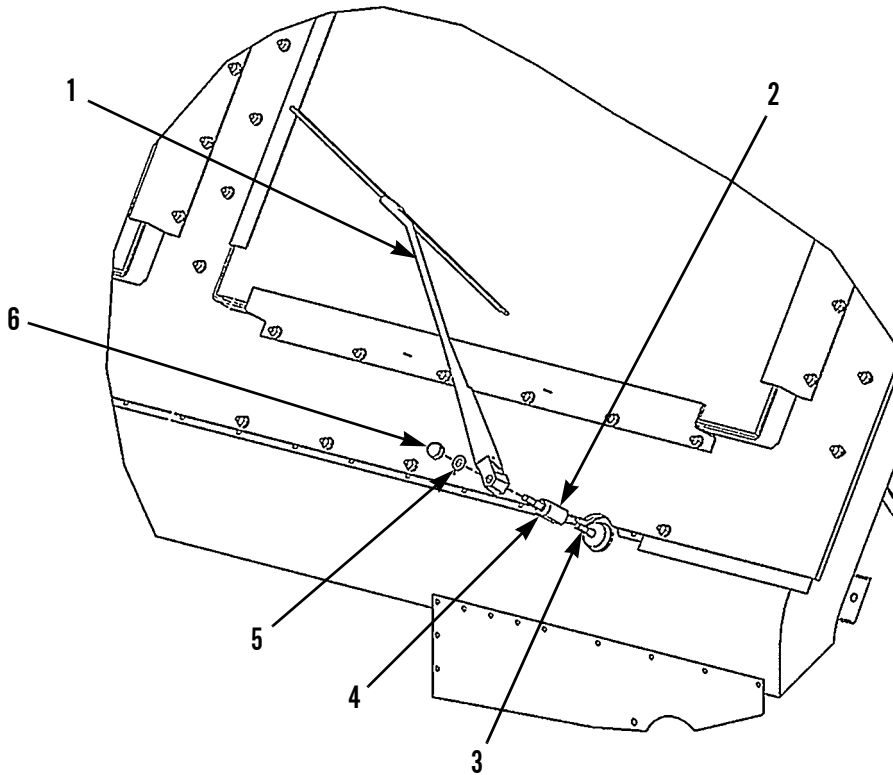
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**NOTE**

The following procedure is for left windshield ballistic glass. Right windshield ballistic glass is identical.

**WINDSHIELD BALLISTIC GLASS REPLACEMENT - CONTINUED****0017 00****REMOVAL**

1. Disconnect windshield washer hose from fitting on upper brush guard.
2. Remove nut (6), lockwasher (5), and wiper arm (1) from wiper extension (4). Discard lockwasher.
3. Loosen setscrew (2) and remove wiper extension (4) from wiper shaft (3).



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**WINDSHIELD BALLISTIC GLASS REPLACEMENT - CONTINUED****0017 00****REMOVAL - CONTINUED**

4. Loosen five bolts (14) on underside of roof bracket (11).
5. Remove six locknuts (12), washers (13), and roof bracket (11). Discard locknuts.
6. Remove 10 locknuts (15), washers (16), and two side windshield ballistic glass brackets (7) from windshield ballistic glass frame (20). Discard locknuts.
7. Remove six locknuts (8), washers (9), and top windshield ballistic glass bracket (10) from windshield ballistic glass (19). Discard locknuts.
8. Loosen six locknuts (17) on both bottom windshield ballistic glass brackets (18).

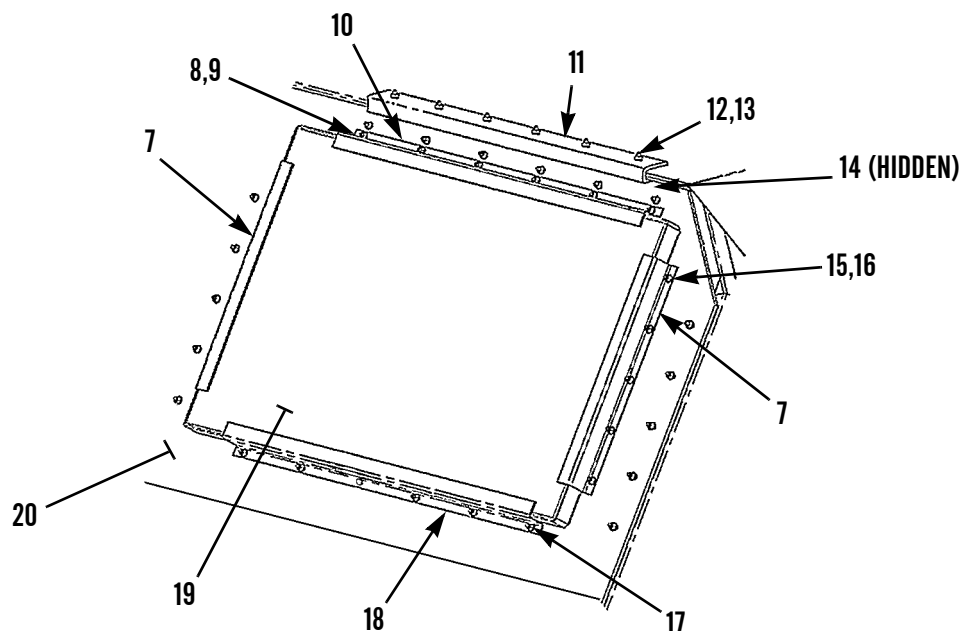
**WARNING**

Use caution when handling heavy parts. Provide adequate support and use assistance during procedure. Keep clear of heavy parts supported only by lifting device. Failure to follow this warning may cause injury or death to personnel.

**NOTE**

Windshield ballistic glass weighs 114 lb (52 kg).

9. With assistance, remove windshield ballistic glass (19) from lower windshield ballistic glass bracket (18).



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**WINDSHIELD BALLISTIC GLASS REPLACEMENT - CONTINUED****0017 00****CLEANING AND INSPECTION**

1. Clean and inspect all parts IAW *General Maintenance Instructions* (WP 0011 00).
2. Ensure all existing sealant is removed from windshield ballistic glass frame (20).

**INSTALLATION****WARNING**

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.

1. Apply sealant to outside opening of windshield ballistic glass frame (20).

**WARNING**

- Use caution when handling heavy parts. Provide adequate support and use assistance during procedure. Failure to follow this warning may cause injury or death to personnel.
- For proper threat protection, windshield ballistic glass must be correctly installed onto windshield ballistic glass frame. During installation, ensure that decal “INSTALL THIS SURFACE TOWARDS THREAT” is located on outside of cab. Improperly installed windshield ballistic glass will not protect occupants. Failure to follow this warning may cause injury or death to personnel.

**NOTE**

Windshield ballistic glass weighs 114 lb (52 kg).

2. With assistance, position windshield ballistic glass (19) in lower windshield ballistic glass bracket (18), with “INSTALL THIS SURFACE TOWARDS THREAT” decal facing outside of cab.
3. Install top windshield ballistic glass bracket (10) on windshield ballistic glass (19) with six washers (9) and new locknuts (8). DO NOT fully tighten locknuts.
4. Install two side windshield ballistic glass brackets (7) on windshield ballistic glass frame (19) with 10 washers (16), and new locknuts (15).

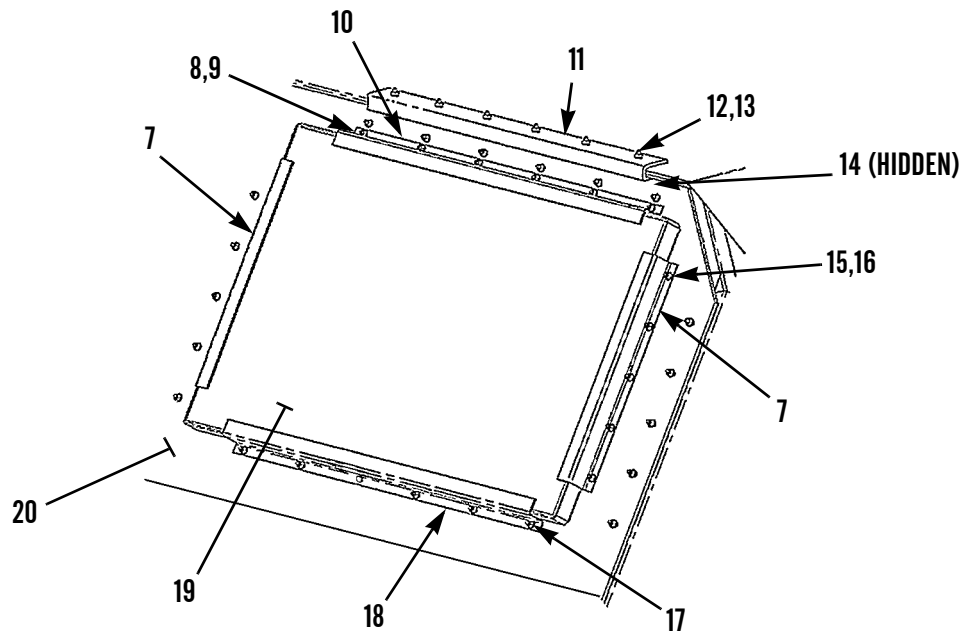
**WINDSHIELD BALLISTIC GLASS REPLACEMENT - CONTINUED****0017 00****INSTALLATION - CONTINUED**

5. Tighten locknuts (8, 15, and 17) to 108 lb in (12 Nm).

**NOTE**

Slide roof bracket rearward to ensure roof bracket is tight against front edge of roof.

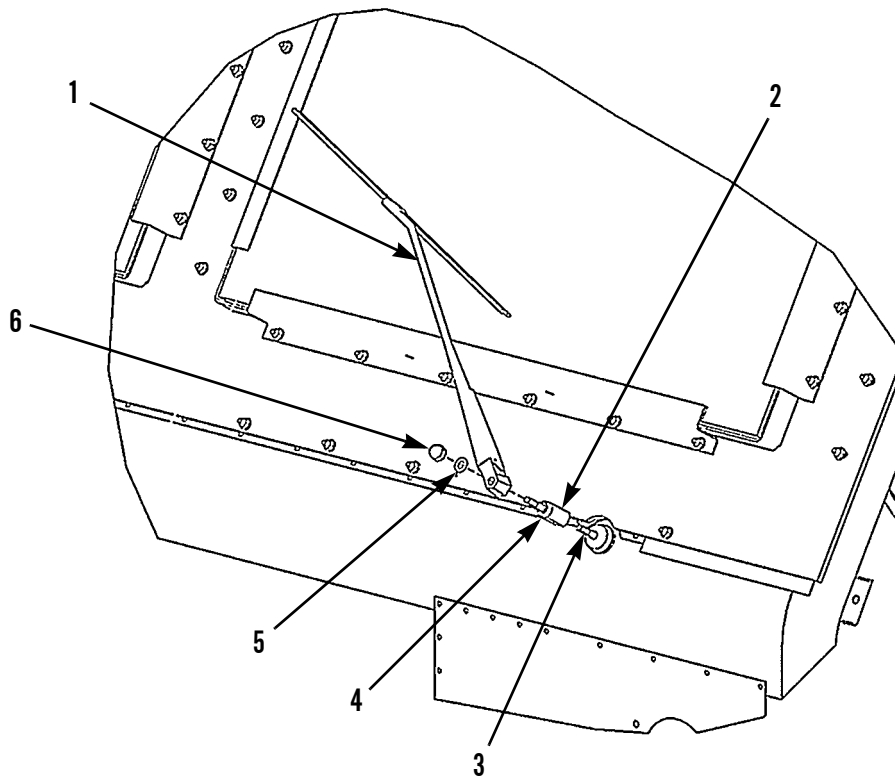
6. Install roof bracket (11), six washers (13), and new locknuts (12) on roof.  
7. Tighten five bolts (14) on underside of roof bracket (11).



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**WINDSHIELD BALLISTIC GLASS REPLACEMENT - CONTINUED****0017 00****INSTALLATION - CONTINUED**

8. Install wiper extension (4) on wiper shaft (3) and tighten setscrew (2).
9. Install windshield wiper arm (1) on wiper extension (4) with new lockwasher (5) and nut (6).
10. Connect windshield washer hose to fitting on upper brush guard.
11. Remove decal and clean windshield ballistic glass (WP 0010 00).
12. Check windshield ballistic glass for leaks.



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**END OF WORK PACKAGE**