

These instructions describe the installation of 8 functions wireless remote kit.

Read these instructions thoroughly before beginning the procedure.



CAUTION

Use all applicable safety precautions while working on, around, or under any machinery.



WARNING

Failure to follow all safety precautions when working on this equipment could cause death, serious injury, or damage to property and equipment.

REVISION LOG

- **A** - February 2025

MODELS AFFECTED

- **MPL-NG**
SN 0230011755 to Present including 0230009801, 0230010717, 0230011072 to 0230011326, 0230011488 to 0230011512 and 0230011597 to 0230011611
- **MPL-NGS**
SN 0230008307 to Present
- **MPL-40**
SN 0230011584 to Present including 0230010532, 0230010924 to 0230010930, 0230011032, 0230011121 to 0230011129, 0230011301 to 0230011319, 0230011491 to 0230011510
- **MPL-60**
SN 0230011584 to Present including 0230010929, 0230011078, 0230011268, 0230011269 and 0230011581

REQUIRED TOOLS

- Standard Mechanic Tools
- Medium Strength Threadlocking Compound
- Liquid Electrical Tape or Appropriate Paint

REQUIRED PERSONNEL

- Qualified Equipment Mechanic

PROHIBITED OPTIONS/ITEMS

- None

REQUIRED OPTIONS/ITEMS

- None

PARTS LIST

Verify kit contents and inspect for damage.

Item	Part Number	Description	Qty
1	-	Not Used	-
2	0681608	Bolt, 3/8-16 x 1 LG	1
3	4711600	Washer, 3/8	1
4	1001297178	Control, Remote, 8 Functions, Pocket*	1
5	1001300459	Bracket, Remote Receiver Mount	1
6	7114100818	Screw, #10-24 x 1 LG	4
7	7115181064	Bolt, 1/2-13 x 1 1/4 LG	2
8	7552000384	Harness, 8 Functions Wireless Remote, MPL 40	1
9	7660102604	Locknut, #10-24 UNC SS	4
10	7660160001	Nut, 0.38"-16 NC	1
11	7660182601	Locknut, 0.50"-13 NC GR5 Hex Nylo	2
12	7894000004	Strap, Tie	3
13	7950100143	Washer, 0.19"	4
14	7950180153	Washer, 0.50"	2

Note: *8 Functions remote control (4) includes transmitter (4A) and receiver (4B).

Note: Kit parts to be installed on vehicle are indicated numerically (1, 2, 3, 4, etc.). Parts referenced on or removed from vehicle are indicated alphabetically (A, B, C...AA, AB, AC, etc.).

Note: Some components are hidden for clarity in illustrations.

Note: Do Not apply dielectric grease to module connections or cable connections unless noted otherwise.

Note: Do Not tighten the tie straps until installation is complete.

MACHINE PREPARATION

1. Park the vehicle on a firm level surface, engage park brake and lower the boom(s).
2. Turn the vehicle OFF and properly disconnect the battery.
3. Remove key and tag machine out of service.

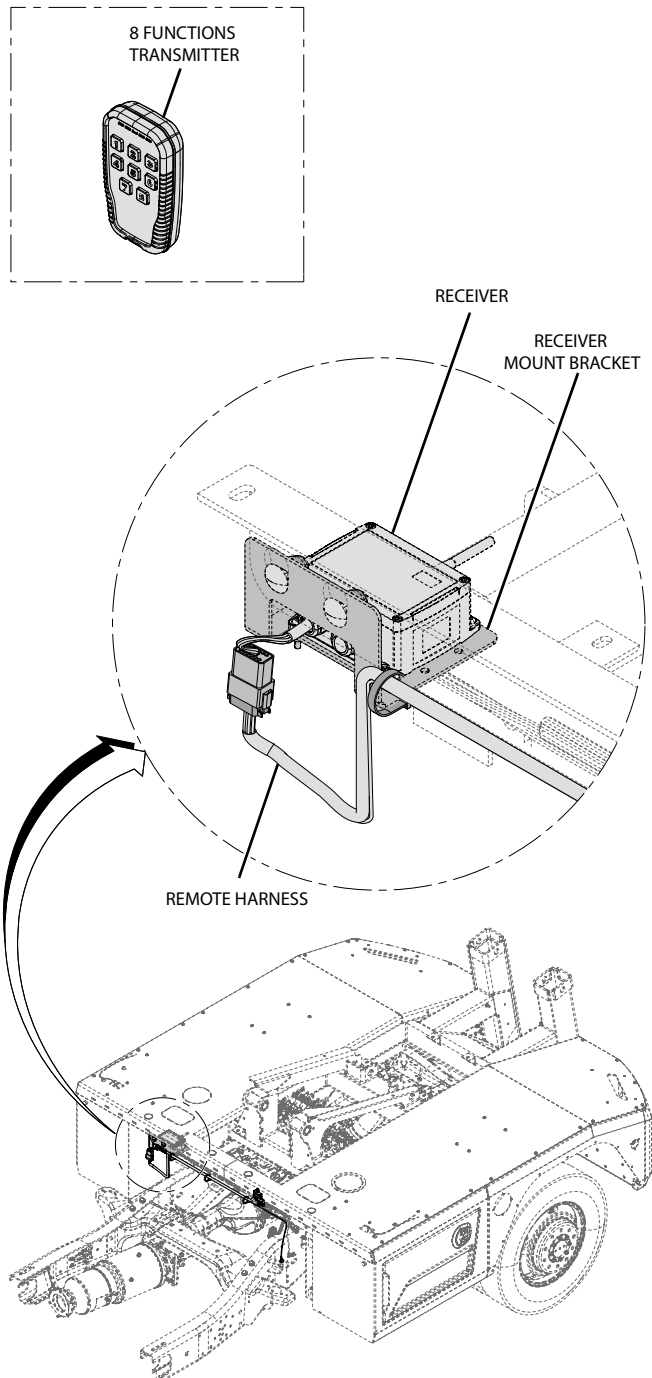
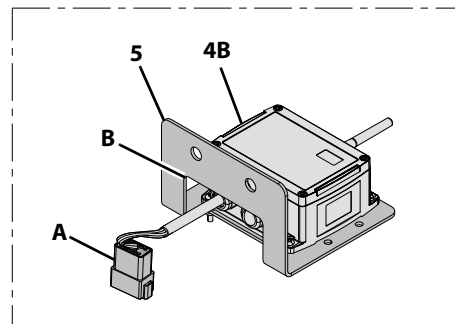
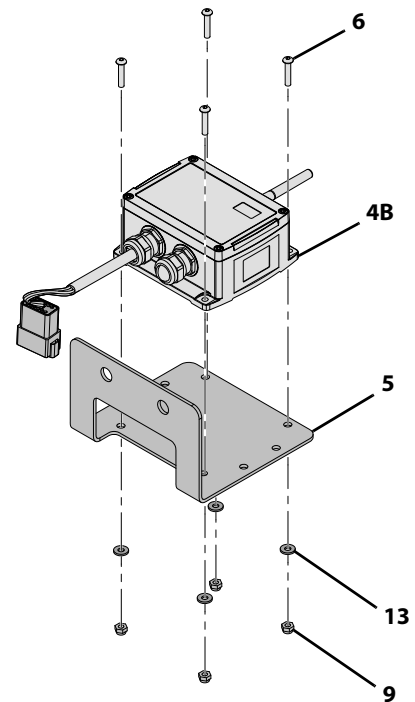


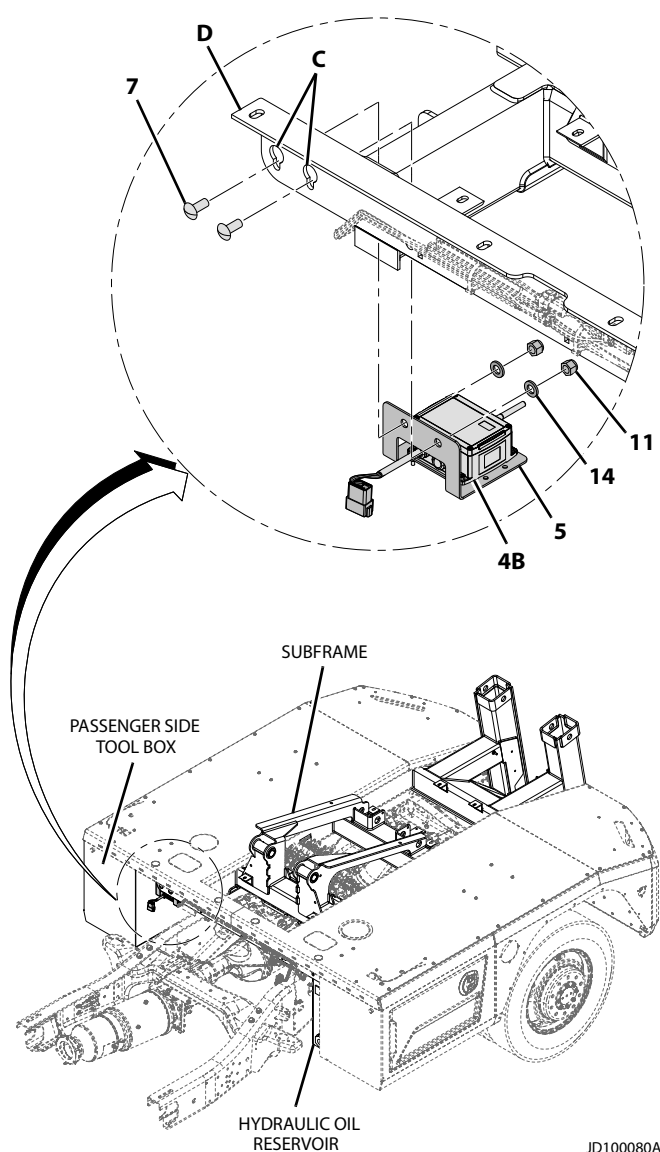
Figure 1. Component Identification

INSTALLATION PROCEDURE



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1. Install receiver (4B) on receiver mount bracket (5) with screws (6), washers (13) and locknuts (9).
2. Route electric connector (A) of receiver (4B) through the cutout (B) of receiver mount bracket (5) as shown.

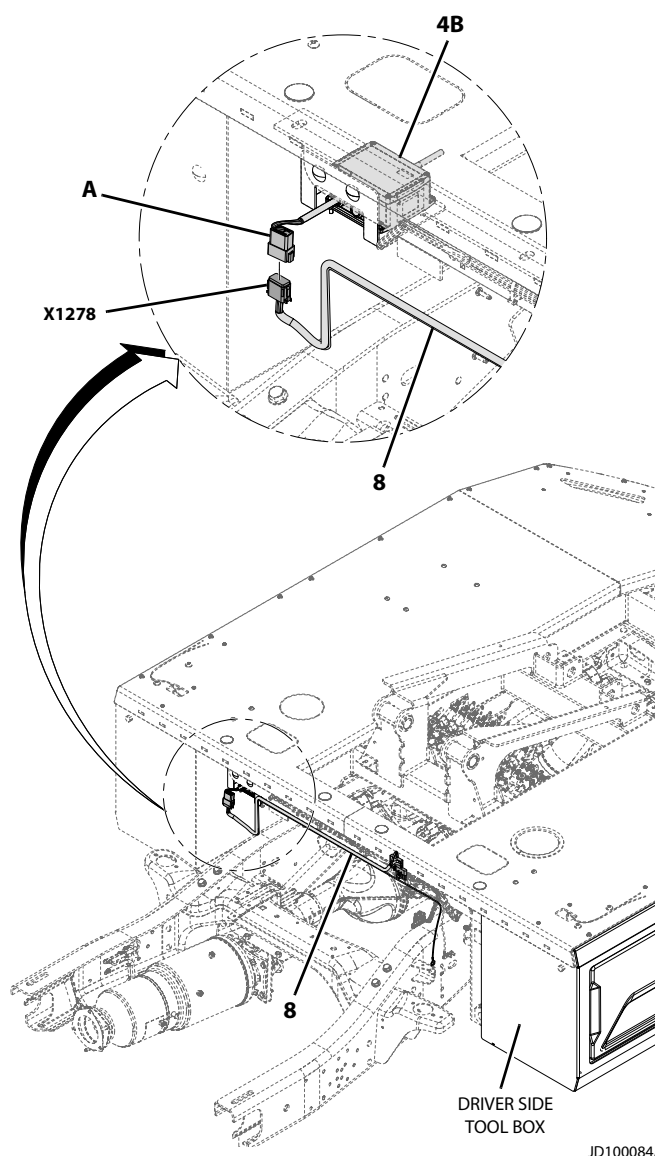


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3. Locate mounting holes (C) on angle plate (D) of subframe near passenger side tool box at the shown location.

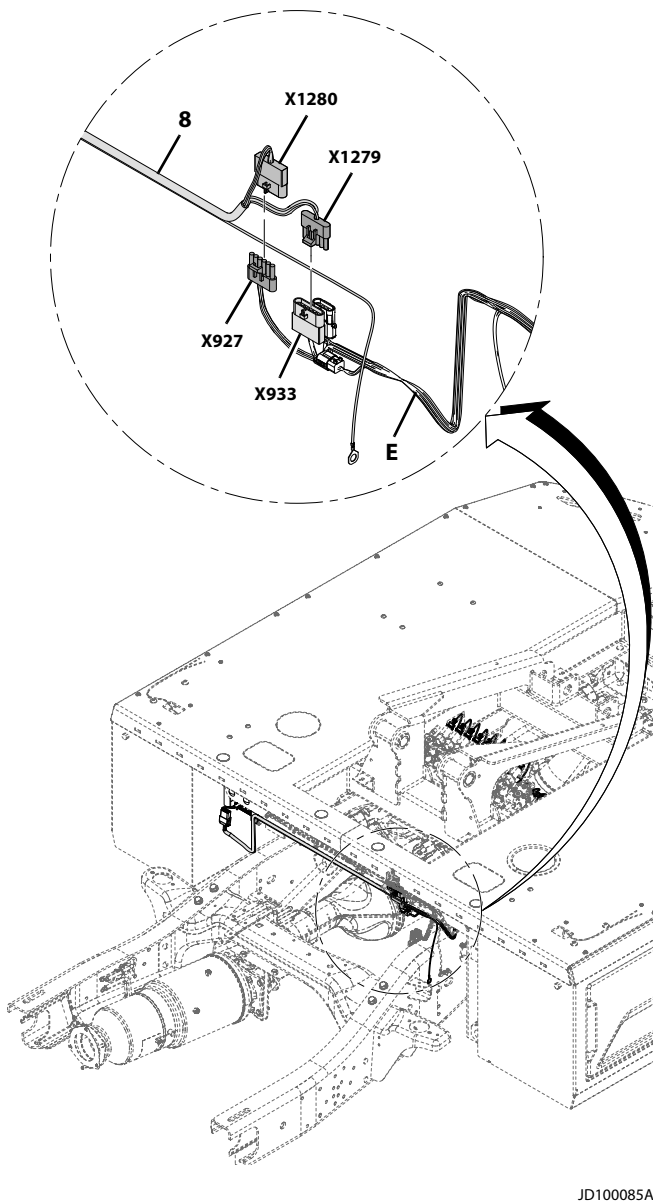
Note: Receiver mount bracket (5) must be mounted on opposite side of existing hydraulic oil reservoir.

4. Install receiver mount bracket (5) along with receiver (4B) on holes (C) on angle plate (D) with bolts (7), washers (14) and locknuts (11).



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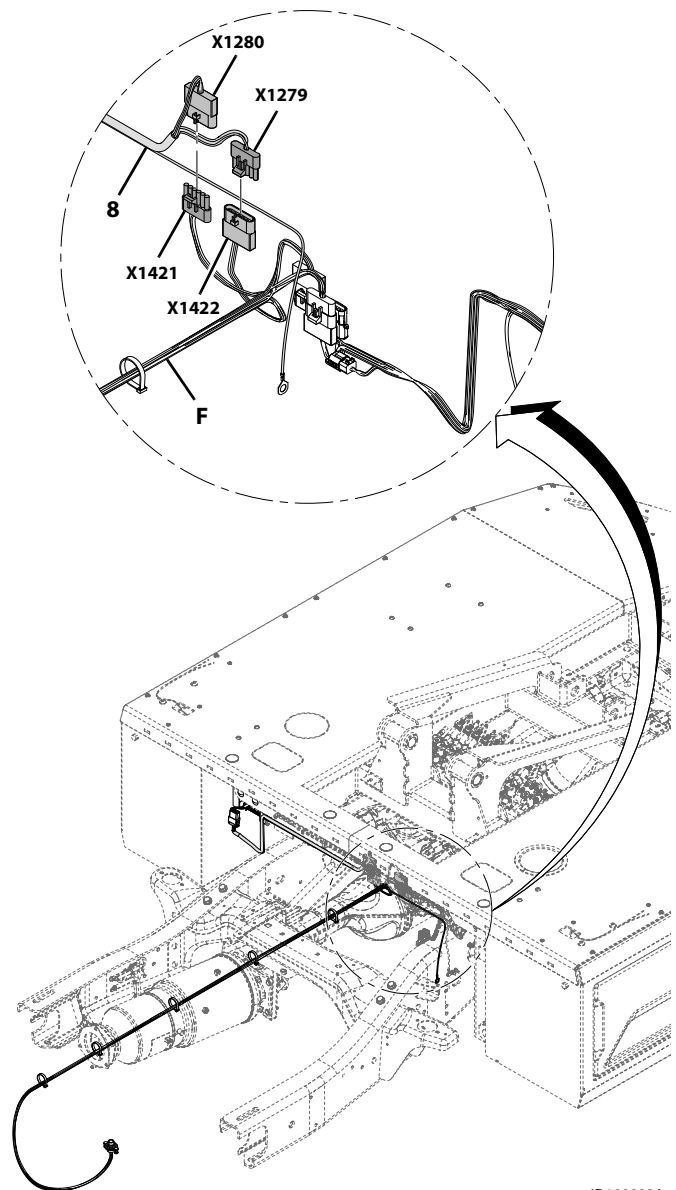
5. Route remote harness (8) with electrical connector (X1278) from driver side tool box to receiver (4B) as shown.
6. Connect electrical connector (X1278) of remote harness (8) to electric connector (A) of receiver (4B).



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7. If Not Equipped with 10 Functions Wired Remote:

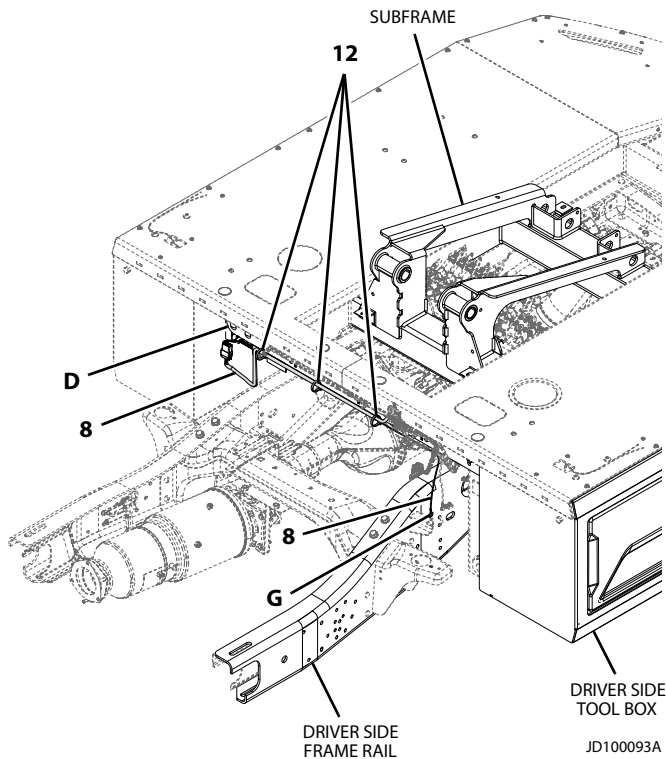
- Connect electrical connector (**X1279**) of remote harness (**8**) to electric connector (**X933**) of EH control main harness (**E**).
- Connect electrical connector (**X1280**) of remote harness (**8**) to electric connector (**X927**) of EH control main harness (**E**).



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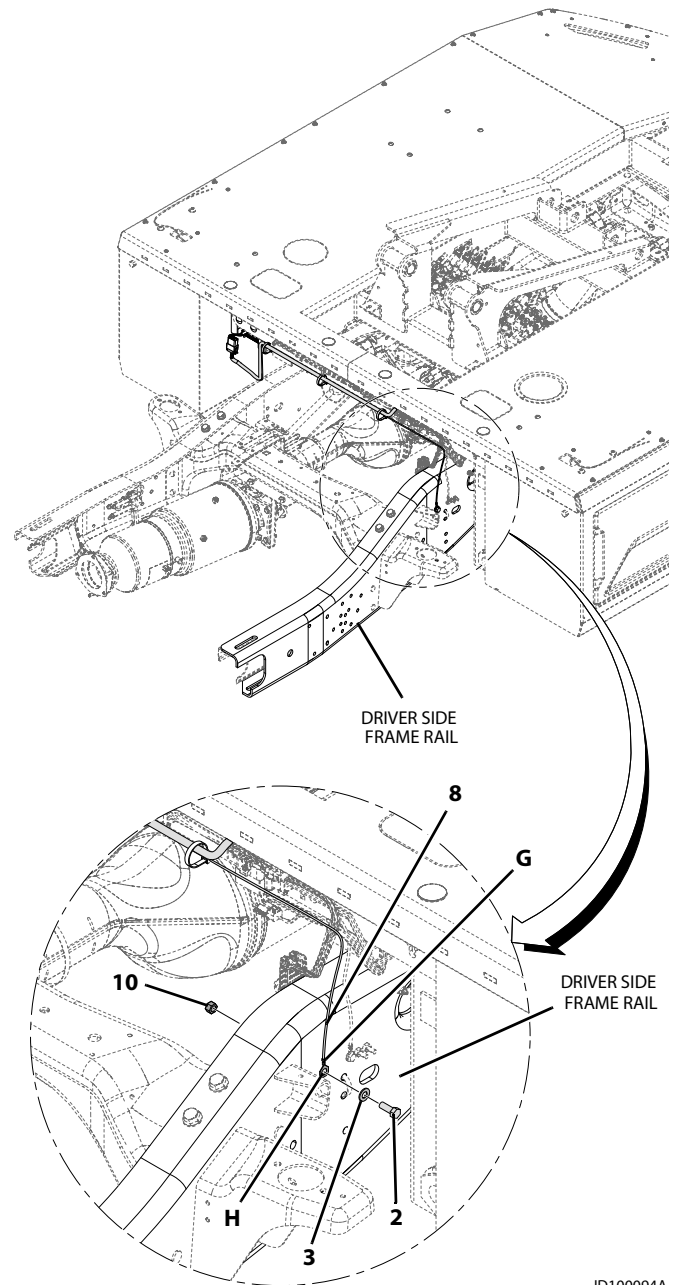
If Equipped with 10 Functions Wired Remote:

- Connect electrical connector (**X1279**) of remote harness (**8**) to electric connector (**X1422**) of wired remote harness (**F**).
- Connect electrical connector (**X1280**) of remote harness (**8**) to electric connector (**X1421**) of wired remote harness (**F**).



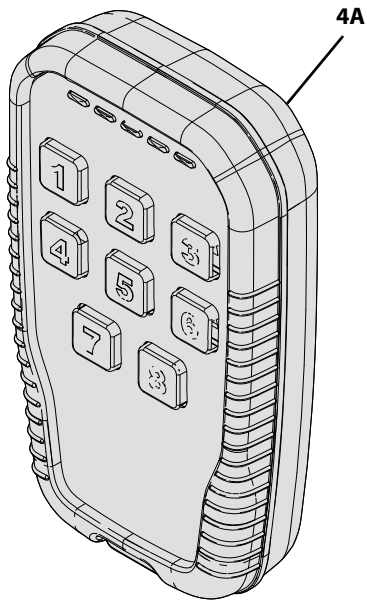
8. Route remote harness (8) with ring terminal (G) to driver side frame rail near driver side tool box as shown.
9. Secure remote harness (8) to angle plate (D) of subframe with tie straps (12) at the shown locations.

Note: If required, bundle excess remote harness (8) and secure with tie straps (12).



10. Locate a suitable existing hole (H) in the driver side frame rail for grounding.
 11. Remove all paint from and around hole (H).
- Note:** Bare spot around hole (H), after removal of paint must be at least 0.750 in. (19.05 mm).
12. Secure ring terminal (G) of remote harness (8) on around hole (H) of driver side frame rail with bolt (2), washer (3) and nut (10).
- Note:** Apply medium strength threadlocking compound to bolt (2) prior to installation.
13. Cover bare metal around hole (H) with liquid electrical tape or appropriate paint. Allow paint to dry.

14. Tighten and trim excess tie straps.
15. Reconnect battery power to the vehicle.
16. Re-insert key and start vehicle.



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17. Verify proper operation of wireless remote control.
Refer to Operation and Safety Manual.

Note: The transmitter (4A) and the receiver (4B), will be paired/synced at the manufacturer. In the event that they are not paired and the system does not work, the system will need to be paired/synced up. Refer to the Quick Start Guide supplied with the Remote System for pairing/syncing.

18. Store transmitter (4A) in cab.
19. Shut the vehicle OFF and remove the machine out of service tag.