



SAFETY NOTICE

VSR-TSB-002

NHTSA Campaign Number: 13V-651

Vehicle Safety Recall - Technical Service Bulletin

PROMPT ACTION REQUIRED

Attention: Oshkosh Product Owner
Subject: S-Series Mixer Brake Pedal
Models Affected: S-Series Mixer
Date: January 2014

Purpose:

Oshkosh Corporation has decided that a defect which relates to motor vehicle safety exists in some Oshkosh S-Series Front Discharge Ready Mixed Concrete Trucks, produced between 5/1/2013 and 11/27/2013. The brake pedal bracket fasteners on certain Oshkosh S-Series Ready Mixed Concrete Trucks may be missing their lock washers. The absence of the lock washer may allow the fasteners to loosen, eventually causing the brake pedal to contact the floor of the cab. This situation will reduce the braking capability of the vehicle, which may cause a crash leading to personal injury or death. We are notifying you because our records indicate that you purchased one (or more) of the affected units. Most affected units will be repaired by Oshkosh/McNeilus service technicians at the customer's facility at no cost to the owner. A small number of units will be inspected and repaired using the customer's own technicians. The repairs should take approximately 1.0 hour.

Affected Vehicles:

The affected vehicle population is Oshkosh S-Series Concrete Mixers produced between 5/1/2013 and 11/27/2013. Please refer to the attached VIN list of affected vehicles.

Time Completion

Complete the enclosed S-Series brake pedal fastener inspection procedure for each affected unit. The time of accomplishment may vary due to a number of factors; however, the estimated time for completion of the procedure is 1.0 hour under normal circumstances.

Required Action:

1. Review and verify your ownership of all affected serial numbers of S-Series mixers. Please be reminded that it is a violation of Federal law for you to sell or lease the S-Series mixers covered by this notification until this recall has been performed on these vehicles. Substantial civil penalties apply to violations of this law.

Reimbursement of Costs:

The affected units will be inspected and repaired by Oshkosh/McNeilus service technicians at the customer's facility at no cost to the owner. A small number of units will be inspected and repaired using the customer's own technicians. The repairs should take approximately 1.0 hour.

Please contact McNeilus to submit a warranty claim.

Labor Reimbursement:

Claims are to be submitted through the warranty claim system. Claims must be received within 30 days of the repair. Claims must include the serial number, the customer asset number, and the number of this bulletin.

Parts Reimbursement:

Parts and part shipping will be provided at no cost to the customer.

Contacts:

If you have questions or need further information, please contact a National Service Representative - Mixer at 888-686-7278.

Enclosures:

S-Series brake pedal fastener inspection procedure
VIN list of affected vehicles

PROCEDURE: S-Series Brake Pedal Fastener Inspection

MODELS: S-Series

Tools and Equipment Required (Customer to supply own):

- Standard mechanic tools such as 9/16" wrench - see procedures for specific sizes
- Loctite 567

Parts Required (provided by Oshkosh):

Item	P/N	Qty.	Description
1	420AX1	2	SCR,CAP,HEX .38-16 X 1.00 G5 ZY
2	351AX	2	WASH,LK,SPLIT .38 X .68 X .09 ZY H
3	362AX	2	WASH,FLT .38 X .81 X .07 ZY
4	3143190	1	BRKT, TREADLE VALVE

Inspection Procedure

1. Place unit on a flat surface and block truck tires. Shut off engine and remove keys.
2. Enter the cab to view the brake pedal.
3. Determine if hardware is missing from the upper slots on the brake pedal bracket (Figure 1).

Hardware that should be present is:

- (2) Bolts
- (2) Lock Washers
- (2) Flat Washers

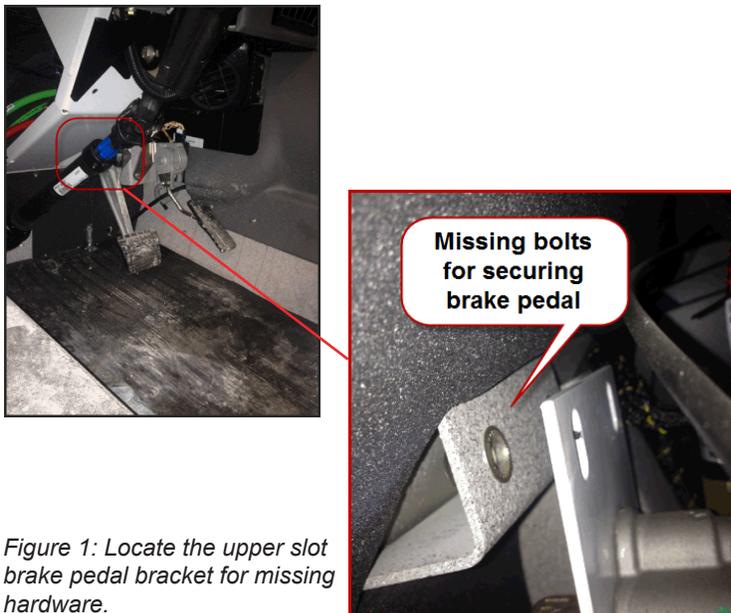


Figure 1: Locate the upper slot brake pedal bracket for missing hardware.

- If the lock washers are present, confirm torque of the bolts is 23 ft-lbs. If the torque is incorrect, torque to specifications.
- If the lock washers are missing, replace all hardware: bolts, lock washers, and flat washers. See steps below for installation of hardware (Procedure 2).
- If the bolts are missing, replace the treadle valve bracket and all hardware (bolts, lock washers, flat washers). See steps below for installation (Procedure 1).

Hardware Installation/Replacement Procedure

Hardware and Bracket Installation

- If the bracket and hardware need to be installed, refer to Procedure 1 to remove the existing bracket and install the new bracket and new hardware.
- If only the hardware (not the bracket) needs to be installed, skip Procedure 1 and start with Procedure 2 below.

Procedure 1: Removing Existing and Installing New Treadle Valve Bracket

1. Release air from the air system via the drain cocks on the driver's side of the truck (Figure 2).



Figure 2: Location of air valves on driver's side to release all air.

2. Disconnect the electrical harness by removing the four (4) nuts from both stop light switches on the left side of the treadle valve (disconnect harness in four places) (Figure 3).

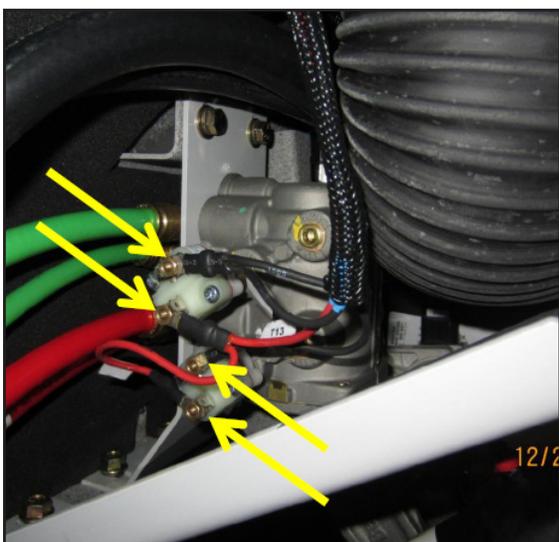


Figure 3: Disconnect the electrical harness by removing four nuts from both stop light switches on the left side of the treadle valve.

3. Disconnect air lines from the left side of the treadle valve (Figure 4).

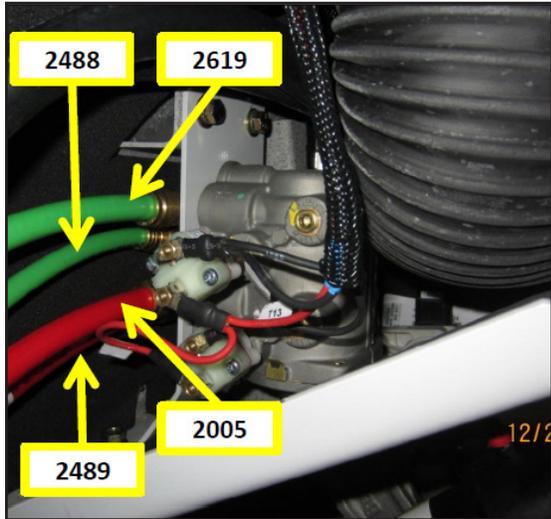


Figure 4: Disconnect air lines 2619, 2488, 2005, and 2489 from the treadle valve.

4. Disconnect air lines 2041 and 2610 from the right side of the treadle valve (Figure 5).

5. Disconnect the pressure switch from the cab electrical harness (Figure 5).

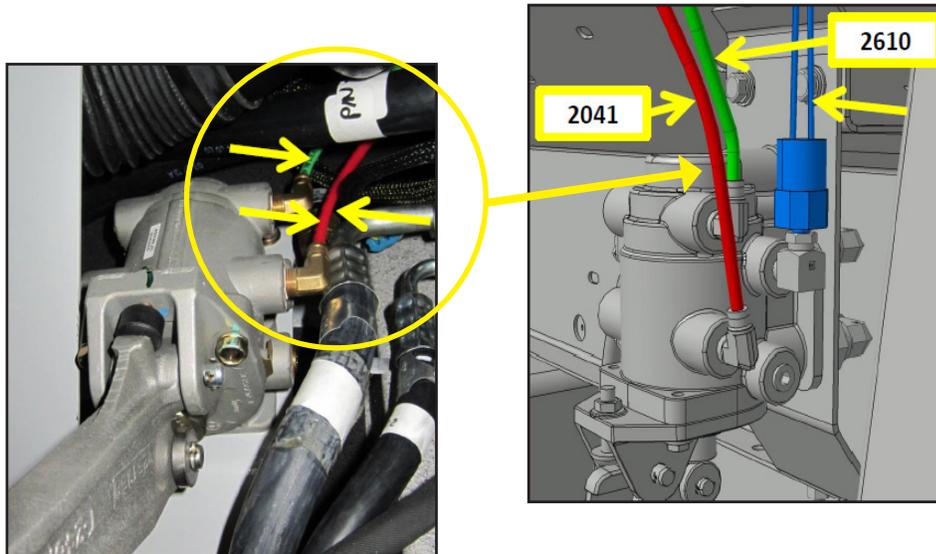


Figure 5: Disconnect air lines 2041 and 2610 from the right side of the treadle valve. Disconnect the pressure switch from the cab electrical harness (unmarked arrow shown above).

6. Remove and retain the two (2) sets of 3/8" bolts and nuts from the bottom of the treadle valve (Figure 6).

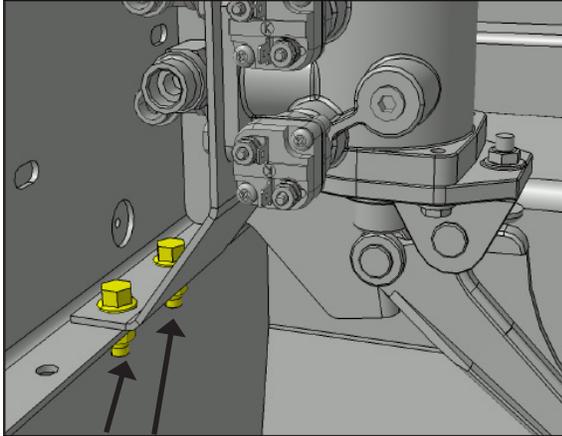


Figure 6: Remove the two sets of 3/8" bolts and nuts from the bottom of the treadle valve.

7. Remove and discard the 3/8" bolts, lock washers, and flat washers from the top of the bracket. There are no nuts on the back side of these bolts (Figure 7).

After this step, the treadle valve and bracket are free from any connections and can be removed from the cab.

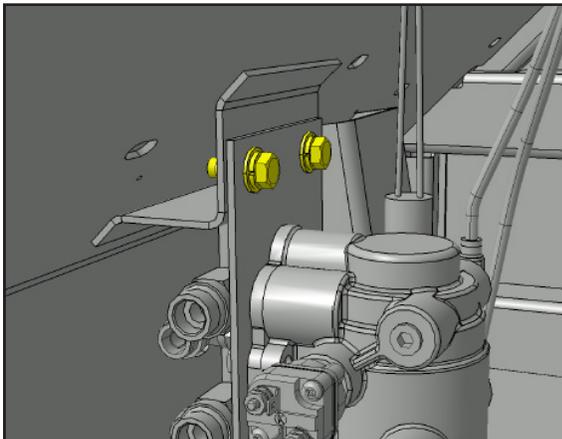


Figure 7: Remove the two sets of 3/8" bolts, lock washers, and flat washers from the top of the bracket.

8. With the treadle valve and bracket loose, remove and retain the two (2) 90° push-to-connect fittings shown in Figure 8.

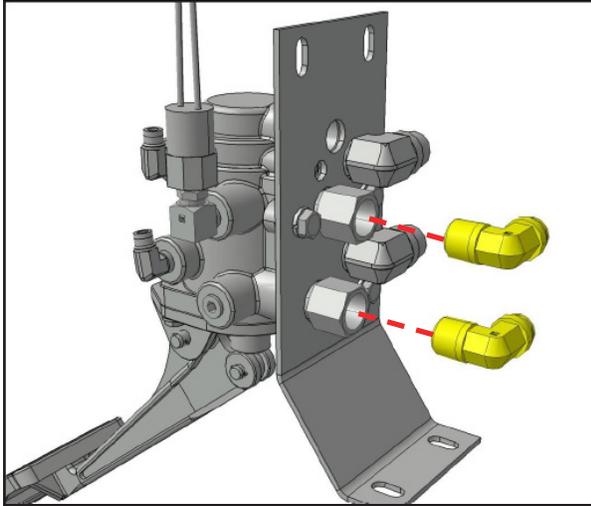


Figure 8: Remove and retain the two 90° push-to-connect fittings.

9. Remove and retain the two (2) straight fittings (Figure 9).

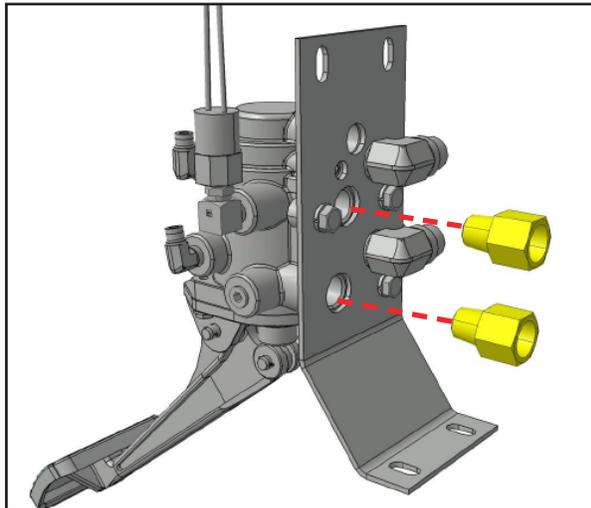


Figure 9: Remove and retain the two straight fittings.

10. Remove and retain the final two (2) 90° push-to-connect fittings (Figure 10).

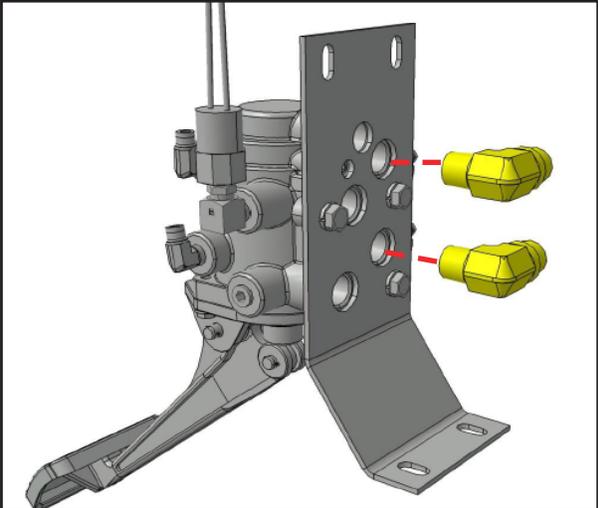


Figure 10: Remove and retain the two remaining 90° push-to-connect fittings.

11. Remove and retain the three (3) sets of 3/8" bolts and lock washers to disconnect the bracket from the treadle valve (Figure 11).

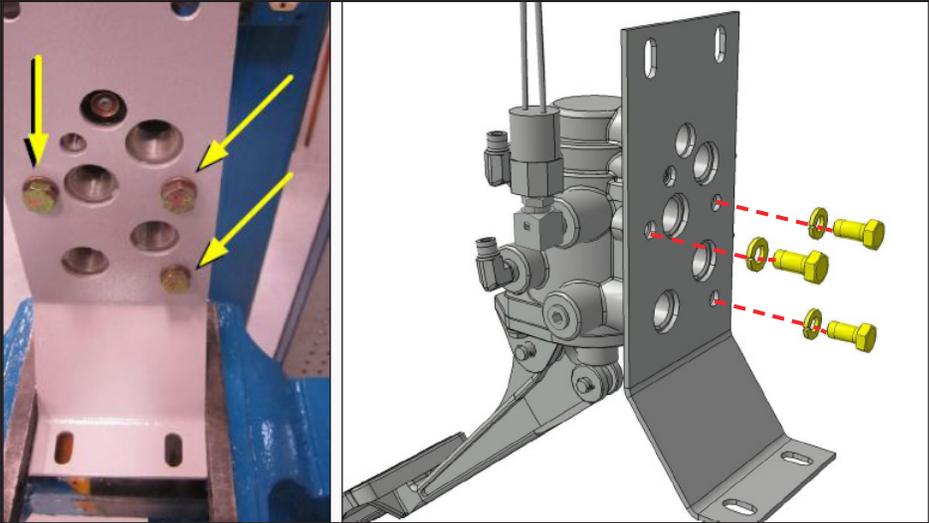


Figure 11: Remove and retain bolts and nuts to disconnect the bracket from the treadle valve.

12. Install the new bracket (P/N 3143190) on the existing treadle valve.
13. Reinstall and finger tighten the three sets of 3/8" bolts and lock washers from step 11 (Figure 12).
14. Torque to 23 ft-lbs.

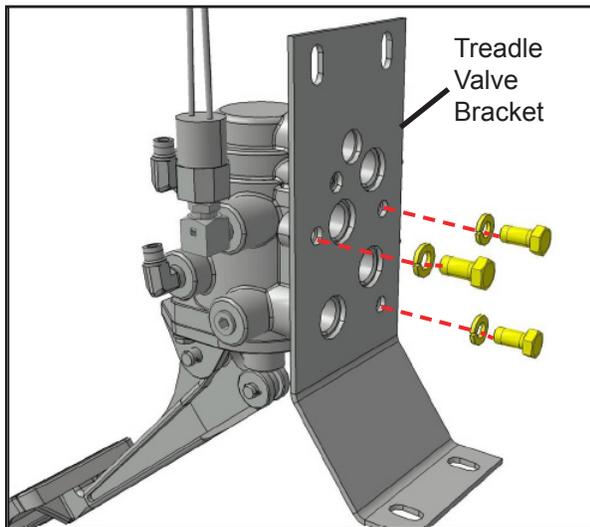


Figure 12: Reinstall bolts and nuts to connect the new bracket (P/N 3143190) to the treadle valve.

15. Place a small amount of Loctite 567 on the threads of the fittings and reinstall the two (2) 90° push-to-connect fittings as shown in Figure 13.
16. Torque 2-3 turns past hand tight, and orientate as shown in Figure 13.

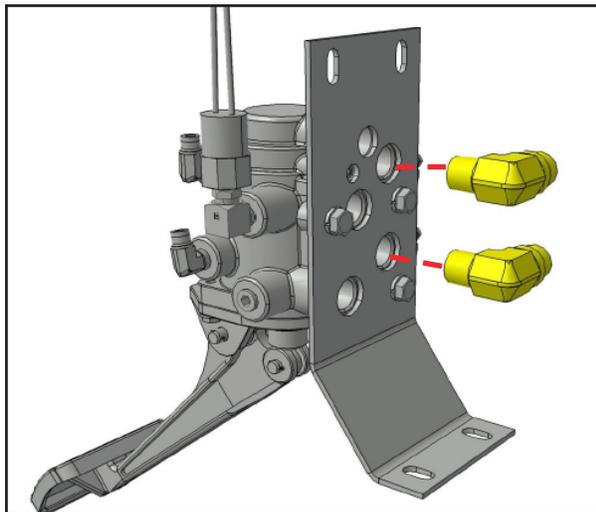


Figure 13: Reinstall two 90° push-to-connect fittings as shown.

17. Place a small amount of Loctite 567 on the threads of the fittings and reinstall the two (2) straight fittings as shown in Figure 14.
18. Torque 2-3 turns past hand tight.

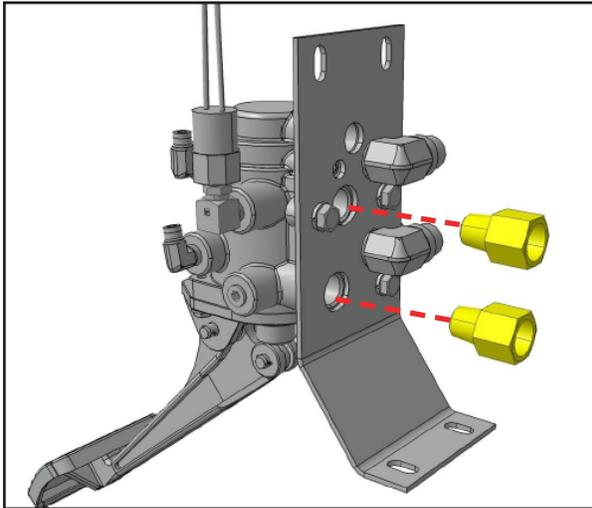


Figure 14: Reinstall the two straight fittings.

19. Place a small amount of Loctite 567 on the threads of the fittings and reinstall the two (2) 90° push-to-connect fittings as shown in Figure 15.
20. Torque 2-3 turns past hand tight, and orientate as shown in Figure 15.

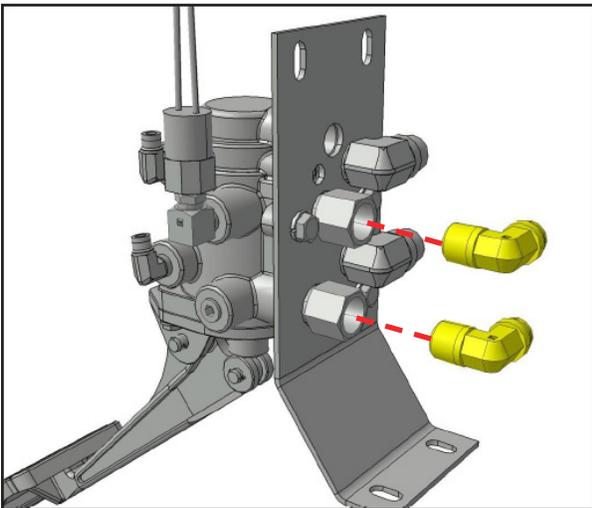


Figure 15: Reinstall the two 90° push-to-connect fittings.

21. Install and finger tighten the two (2) **new** sets of 3/8" bolts (420AX1), lock washers (351AX), and flat washers (362AX) at the top of the bracket (Figure 16). There are no nuts on the back side of these bolts.
22. Torque to 23 ft-lbs.

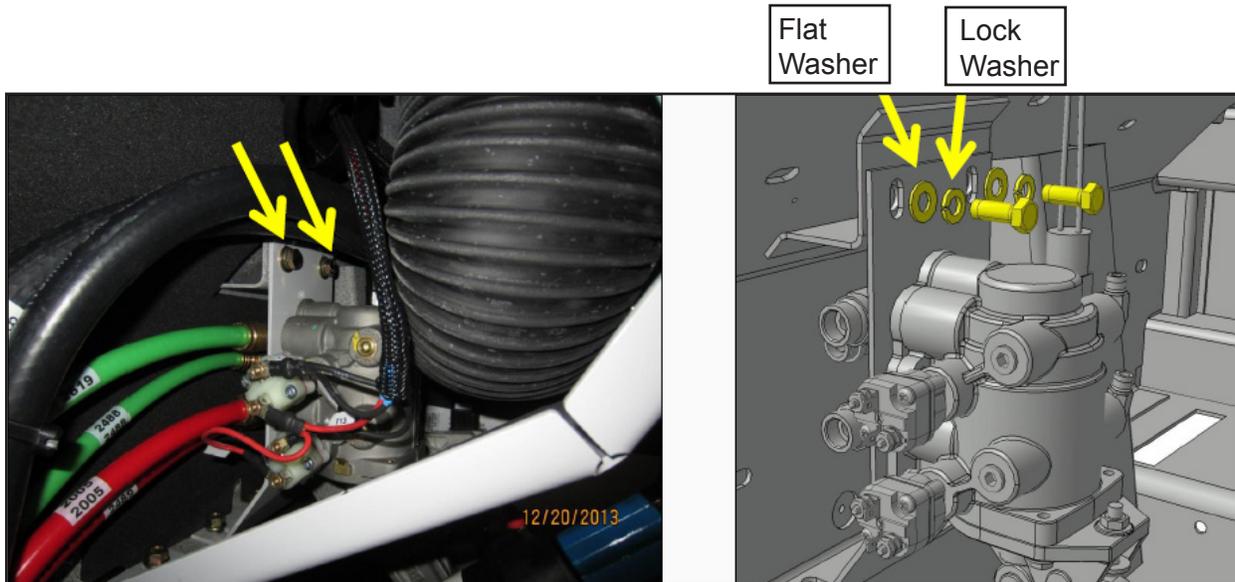


Figure 16: Reinstall 3/8" bolts and nuts on top of bracket.

23. Reinstall and finger tighten the two (2) sets of 3/8" bolts and nuts from the bottom of the bracket (Figure 17).
24. Torque to 23 ft-lbs.

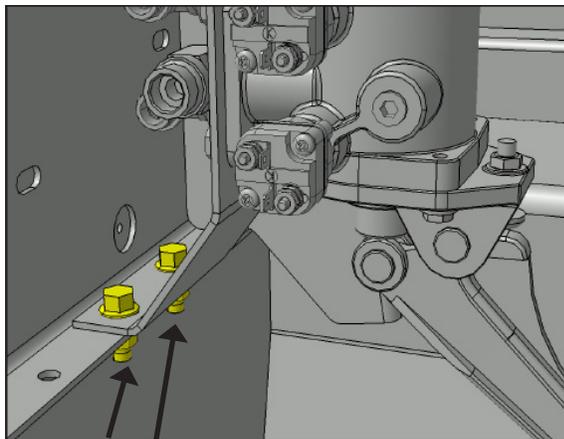


Figure 17: Reinstall the two sets of 3/8" bolts and nuts from the bottom of the treadle valve.

25. Reconnect air lines 2041 and 2610 to the right side of the treadle valve (Figure 18).
26. Reconnect the pressure switch to the cab harness (Figure 18).

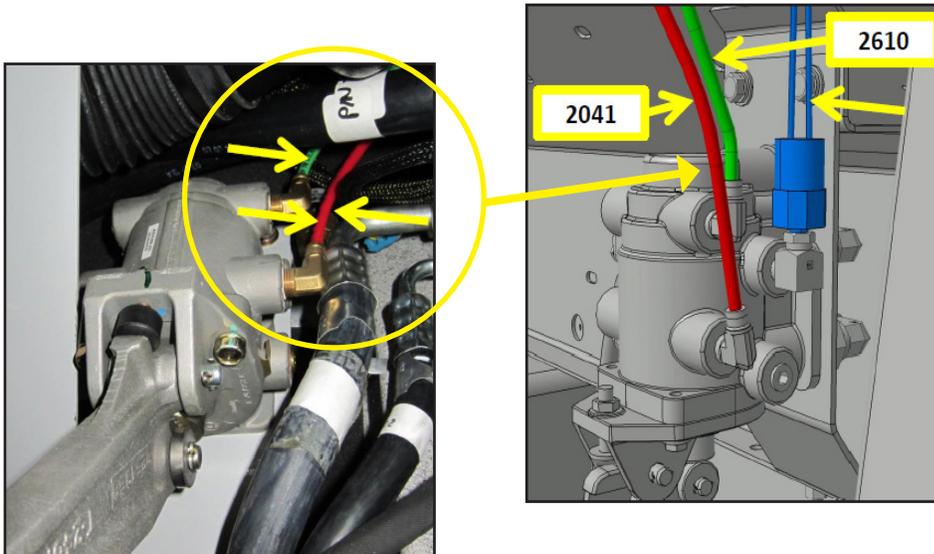


Figure 18: Reconnect air lines 2041 and 2610 on the right side of the treadle valve. Reconnect the pressure switch to the cab electrical harness (unmarked arrow shown above).

27. Reconnect air lines 2619, 2488, 2005, and 2489 to the treadle valve (Figure 19).

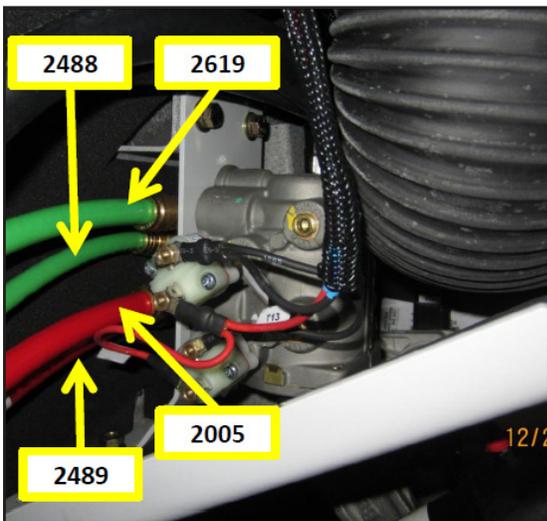


Figure 19: Reconnect air lines 2619, 2488, 2005, and 2489 to the treadle valve.

28. Reconnect the electrical harness by installing four nuts on both stop light switches on the left side of the treadle valve (it is reconnected in four places) (Figure 20).

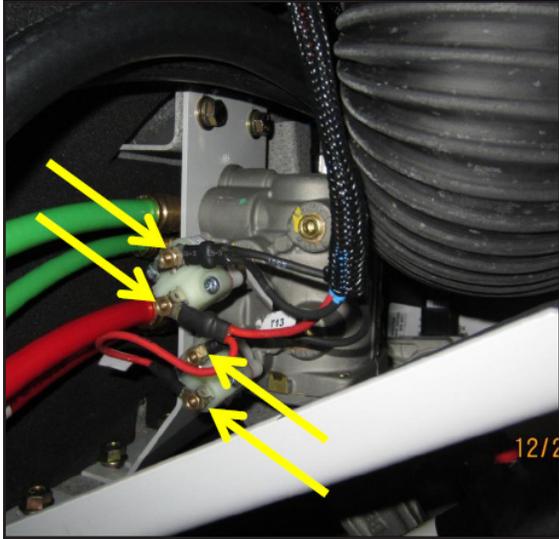


Figure 20: Reconnect the electrical harness by installing four nuts on both stop light switches on the left side of the treadle valve.

29. Close the air drain cocks.

NOTE: The truck's air system will be empty.

30. Proceed to Procedure 3: Test Procedure for Brake Pedal

Procedure 2: Installing New Hardware to Secure the Brake Pedal

1. Place a small amount of Loctite on the new bolt (P/N 420AX1).
2. Thread (1) lock washer onto the bolt (P/N 351AX).
3. Thread (1) flat washer onto the bolt (P/N 362AX).
4. Insert the bolt assembly through the top of the treadle valve brake pedal bracket into the front dash plate (Figure 21).
5. Torque the bolt to 23 ft-lbs.
6. Repeat for the other hardware.

NOTE: There are no nuts on the back side of these bolts.

7. Proceed to Procedure 3: Test Procedure for Brake Pedal

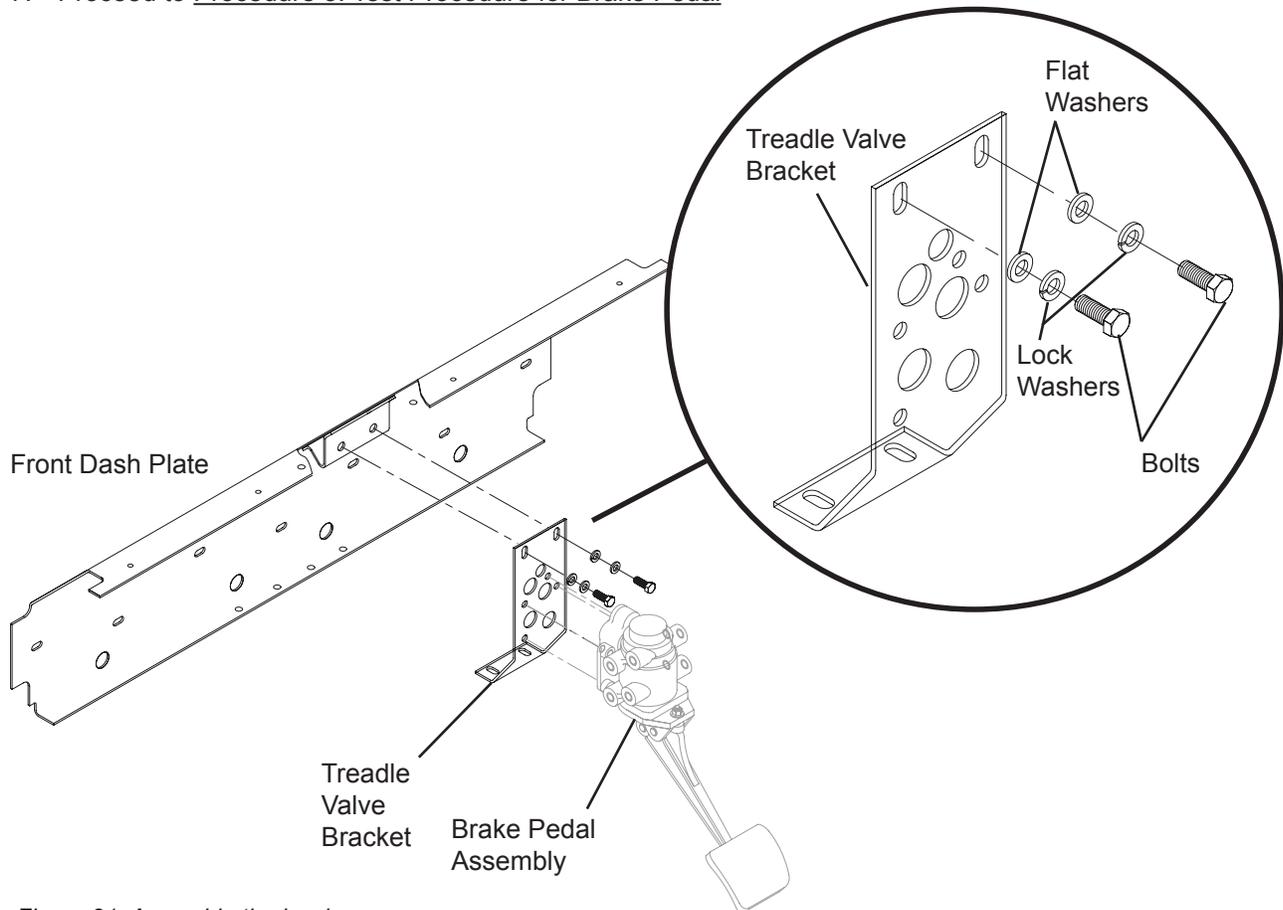


Figure 21: Assemble the hardware.

Procedure 3: Test Procedure for Brake Pedal

This is a simple test procedure to ensure the brake system is working properly after the air lines and wiring harness have been reconnected.

A second person is required to complete the test.

1. If the air lines were depleted of all air, wait until the air lines have air and the truck builds proper air pressure to operate the brakes, then conduct the test. If the truck does not build and maintain the proper air pressure, an air line connection could be missing or leaking.
2. The first person must be in the driver's seat.
 - The second person must be outside the truck, at a safe distance from the truck.
3. Have the first person press on the brake pedal.
4. The second person needs to verify the brake stop lamp comes on at the rear of the truck.
5. If the brake stop lamp comes on, the air lines, wiring harness, and hardware have been properly installed and are working correctly.
 - If the brake stop lamp does not come on, the air lines and wiring harness need to be re-examined for proper installation (see Steps 25-29 in Procedure 1).
6. Also ensure the brake pedal is working correctly during full travel before driving on public/high traffic roads.

Continuous Improvement:

The change included in this bulletin is part of the McNeilus® Continuous Improvement Process.

McNeilus® Company's quality policy is Providing Customer Satisfaction through Innovative Products, Dedicated Service, and a constant focus on Continuous Improvement.

"The Customer is our Boss!"



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VIN List for VSR-TSB-002

768085	768677	769151	770886
768086	768678	769152	770887
768087	768679	769153	770888
768088	768680	769154	770893
768089	768681	769160	771730
768090	768685	769161	
768100	768686	769162	
768101	768693	769163	
768102	768750	769200	
768103	768752	769201	
768621	768753	769202	
768622	768754	769203	
768623	768905	769204	
768624	768906	769209	
768625	768907	769210	
768626	768908	769211	
768627	768909	769213	
768628	768910	769218	
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768654	769061	770632	
768655	769062	770875	
768656	769063	770876	
768658	769131	770877	
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