



## SAFETY NOTICE

VSR-TSB-010

NHTSA Campaign Number: 15V-193

# Vehicle Safety Recall - Technical Service Bulletin

### ***PROMPT ACTION REQUIRED***

**Attention:** Oshkosh Product Owner  
**Subject:** Rear Pedestal Air Tank  
**Models Affected:** Oshkosh S-Series Mixers

**Date:** April 2015

#### **Purpose:**

Oshkosh has decided that Oshkosh S-Series Front Discharge Concrete Mixers were built with an air tank that fails to comply with Federal Motor Vehicle Safety Standard 121 Air Brake Systems. Some mixer vehicles configured with 7-axles and ISX diesel engines were built with an undersized air tank that fails to comply with FMVSS 121 because the combined volume of all supply reservoirs is less than the required 12 times the combined volume of all service brake chambers. The result is that the primary braking system may not achieve the level of performance required increasing the risk of a crash.

#### **Affected Vehicles:**

The affected vehicle population was assembled by Oshkosh between September 2013 and November 2014.

#### **Time Completion:**

Affected units shall be repaired using Oshkosh qualified service technicians - at no cost to the owner. The time of accomplishment may vary due to a number of factors; however, the estimated time for completion of the procedure is 1.5 hours under normal circumstances.

#### **Required Action:**

Review and verify your ownership of all affected serial numbers of trucks. If Oshkosh records indicate that you are the owner of one or more affected units, a Serial Number List is enclosed. 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:**

Affected units shall be repaired using Oshkosh qualified service technicians - at no cost to the owner. The repair should take approximately 1.5 hours.

**Labor Reimbursement:**

In order to receive credit, claims are to be submitted through the McNeilus Warranty claim system. Claims must be received within 30 days of the repair. Claims must include the Oshkosh serial number of the truck, the customer asset number, and the number of this bulletin.

**Parts Reimbursement:**

Parts and ground shipping will be reimbursed to the customer. Parts necessary for this repair must be ordered from McNeilus/Oshkosh Parts at 888-686-7278.

Claims are to be submitted through the McNeilus Warranty claim system. Claims must be received within 30 days of the repair. Claims must include the Oshkosh serial number of the truck, the customer asset number, and this bulletin's number.

**Contact:**

If you have questions or need further information, please contact a National Service Representative at 1-888-686-7278.

**Enclosures:**

Rear Pedestal Air Tank Replacement Procedure

VIN List of Affected Vehicles

**SAFETY NOTICE**

Before entering vehicle's body or drum or performing maintenance to the vehicle, read and follow OSHA Regulations concerning entry and working in "CONFINED SPACE" OSHA 1910.146 and "LOCKOUT/TAGOUT" OSHA 1910.147.

Follow OSHA Regulations while performing any work to the vehicle.

Follow all safety instructions in your manual.

Shut off truck engine, lock cab doors, and keep keys in your pocket before entering vehicle's body or drum or performing any work to the vehicle.

Place magnetic "DANGER" signs on both cab doors. Failure to do so can result in serious personal injury or death.

If you have any questions regarding this notice or require further assistance, call McNeilus at 888-686-7278.

**⚠ WARNING**

Wear proper Personal Protective Equipment (PPE) such as hard hats, safety glasses or goggles, sturdy gloves, hearing protection, steel toed boots, and snug fitting sturdy long-sleeve shirt and long pants when operating, fueling, defueling, or maintaining the truck.

Reflective clothing is recommended for drivers and employees.

Serious personal injury or death can result without proper PPE.

**PROCEDURE: Air Tank Replacement**

Read the entire procedure before beginning.

**Tools and Equipment Required:**

- Torque wrench
- Leak detection solution
- Machinist's marker

**Parts Required (order from Oshkosh):**

Item	Part Number	Description	Qty.
1	3924249	TANK, AIR, 5100 CI, CYL, 150, ST	1
2	117971A	SCR, FLG, HEX .50-13X1.00 G8 PO	4
3	65270AX	LOCTITE #242	— — —
4	1589180	FITTING, PLUG	2
5	46642AX	SEALANT, LOCTITE	— — —

**Procedure A: Preparation and Inspection**

1. Place unit on a flat surface, block truck tires, set parking brake, and observe all conditions of the Safety Notice concerning Lockout/Tagout posted in this bulletin and in the service manual. Contact Oshkosh/McNeilus Truck and Manufacturing, Inc. at 888-686-7278 if you have any questions.
2. Drain the air system on the rear pedestal air tank by opening the valves on the system.
3. If necessary, remove and retain the exhaust heat shield to access the air tank and rear pedestal.
4. Mark the location and direction of the air line fittings.
5. Disconnect and retain the air lines (see Figure 1).
6. Disconnect and retain clamps and hardware that secure the air lines on the tank bracket (Figure 2).

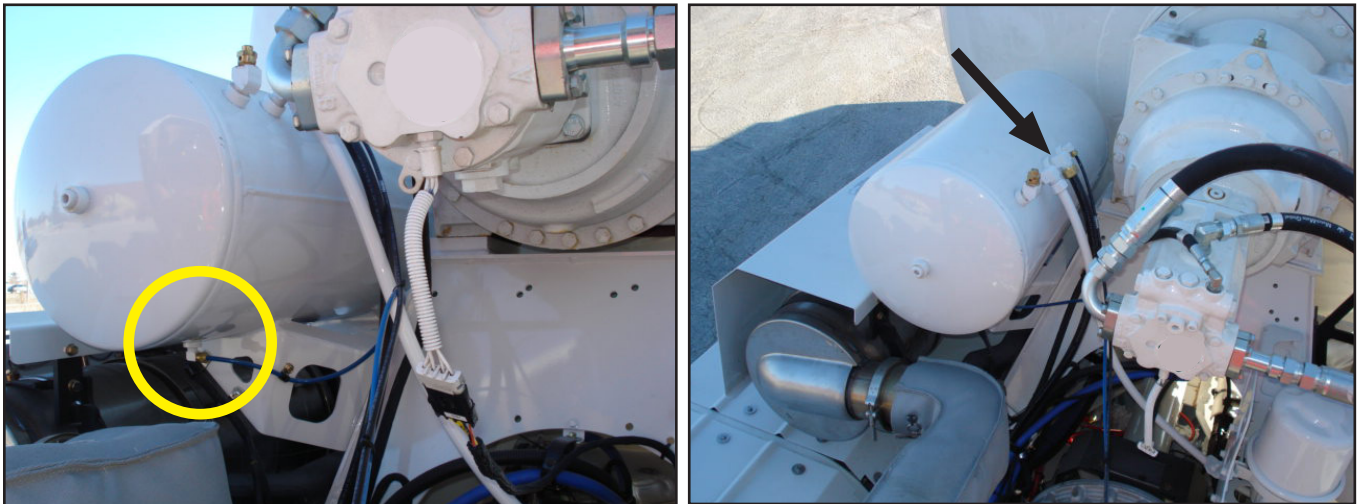


Figure 1: Disconnect the air lines from the air system.

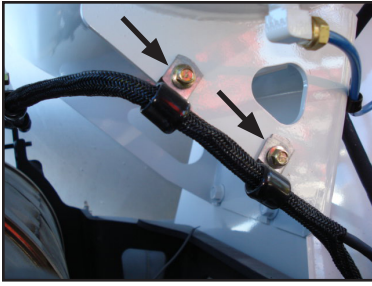


Figure 2:  
Disconnect  
clamps that  
hold the air  
lines to the  
air tank.

7. Unbolt and discard the (4) bolts that hold the air tank bracket to the rear pedestal (Figure 3).
8. Remove the air tank from the rear pedestal and place it on the ground.
9. Install the fitting, plug (P/N 1589180) using sealant, Loctite (P/N 46642AX) on each end of the new tank (P/N 3924249).
10. Place the new tank (P/N 3924249) into location on the rear pedestal.
11. Apply Loctite #242 (P/N 65270AX) onto each of the new (4) bolts (P/N 117971A).
12. Bolt the new air tank onto the rear pedestal (Figure 4 illustrates placement of the tank on the rear pedestal).

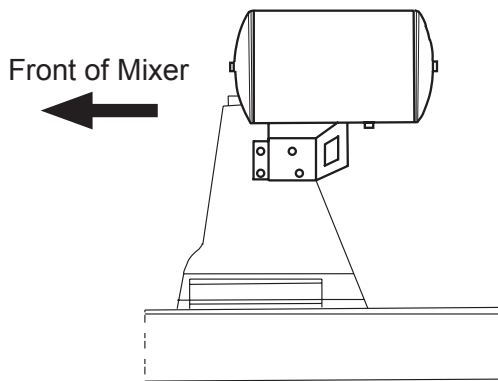


Figure 4: Bolt new air tank to rear pedestal.

13. Using a torque wrench, torque the bolts to 50 ft-lbs.
14. Reconnect the air lines to the air tank (see Figure 1). Follow the location and direction of the marks you made on the fittings before disassembly.
15. Reconnect the clamps and hardware that secure the air lines on the tank bracket (Figure 2).
16. If it was removed, reinstall the exhaust heat shield.
17. Fill the air system with air by closing all valves. Start the truck. Let the system build air pressure until the air dryer unloads. At this time, the system should be at maximum operating pressure.
18. Use leak detection solution and spray each connection. If leaks are found, retighten connections. If no leaks are found, continue the procedure.
19. Remove the conditions of lockout/tagout from the truck.

20. Test the service brakes.

1. Wait for normal air pressure, then release the parking brake.
2. Move the vehicle forward slowly (about 5 mph) and apply the brakes firmly using the brake pedal.
3. Note any instances of the vehicle “pulling” to one side, unusual feel, or delayed stopping action. If any of these occur, make sure the air lines are hooked up correctly and inspect the air line fittings.
4. Retest the service brakes by repeating the service brake test. If the brakes still do not properly operate, call McNeilus Truck and Manufacturing, Inc. at 888-686-7278.

21. The procedure is complete. Return truck to service.

**NOTE:** The McNeilus Service Branch will destroy the tank.

**VIN List for VSR-TSB-010**

769219	772304	772353
769220	772305	773355
772284	772306	773356
772283	772331	773357
772285	772332	773358
772286	772333	773756
772287	772334	774045
772302	772335	774046
772303	772352	