OSHKOSH | S-Series BACKED BY McNEILUS

Service Kit Bulletin

2.0 Mixer Pump Valve Replacement

Date: July 13, 2022
Bulletin Name: FDM-SVC-011
Model: Oshkosh S-Series
Units Affected: 2.0 Front Discharge Mixers

Purpose:

This bulletin provides instruction for installing a new updated mixer pump plug valve. Installing the new updated mixer pump plug valve will eliminate drum pulsing/surging at low drum speeds.

Notice:

- This bulletin should be read and understood in its entirety before performing this procedure.
- All procedures outlined in the bulletin must be performed by skilled service personnel. Refer to the product service manual for descriptions of maintenance procedures.

⚠ WARNING

Hydraulic systems are hot. DO NOT TOUCH! Serious personal injury may result from hot oil. When you have completed working on the hydraulic systems, thoroughly clean any spilled oil from the equipment. Do not spill any hydraulic fluids on the ground. Clean any hydraulic fluids from your skin as soon as you have completed your maintenance and repairs. Dispose of used oil and filters as required by law.

⚠ WARNING

All hydraulic pressures must be relieved from the hydraulic system prior to removing any components from the system to prevent oil from spraying or functions and systems from failing.

⚠ WARNING

Hydraulic systems operate under high pressure—only experienced persons should attempt repairs or troubleshooting on hydraulic systems.

⚠ WARNING

Never remove hydraulic pipes/tubing, fittings, and adapters until all pressure has been relieved from the hydraulic system.

SAFETY NOTICE

Perform your company's Lockout/Tagout procedure. If your company does not have a Lockout/Tagout procedure, follow OSHA 1910.147 and 1910.146 Confined Space as appropriate.

SAFETY NOTICE

Use appropriate Personal Protective Equipment (PPE) as required by your company.

Tools and Equipment Required:

Customer to supply:

- Hand tools
- Torque wrench - ft. lbs.
- Oil drain pan

Parts Required:

Item	Part Number	Description	Qty.
1	A000Y981	VALVE, PLUG, MIXER PUMP, SVC	1

Procedure:

Lockout/Tagout

1. Place unit on a flat surface, engage parking brake, chock truck tires, and perform your company's Lockout/Tagout procedure. If your company does not have a Lockout/Tagout procedure, follow OSHA 1910.147 and 1910.146 Confined Space as appropriate.

2. The vehicle's BATTERY DISCONNECT switch is located on the left-hand side of the battery box. Use the battery disconnect switch when performing any maintenance so the vehicle cannot accidentally be started.

a. Turn the battery disconnect switch (Figure A, Item 1) counterclockwise so the hole on the switch aligns with the hole in the bracket (Figure A, Item 2).

b. Install the safety lockout device ring (Figure B, Item 1) through the holes on the battery disconnect switch and the bracket.

c. Install a padlock (Figure B, Item 2) onto the safety lockout device ring, lock it, and put the key in your pocket. If more than one person is working on the vehicle, each person must install his or her own padlock.

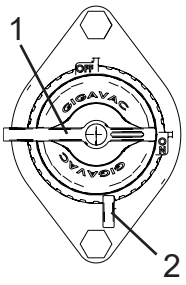


Figure A

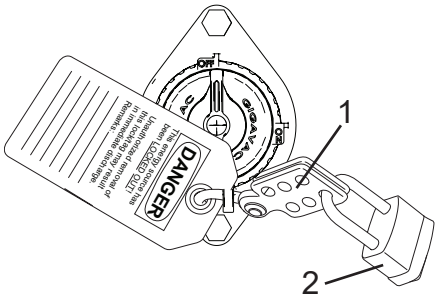


Figure B

Plug Valve Installation

3. Locate the mixer pump neutral valve, see Figure 1.

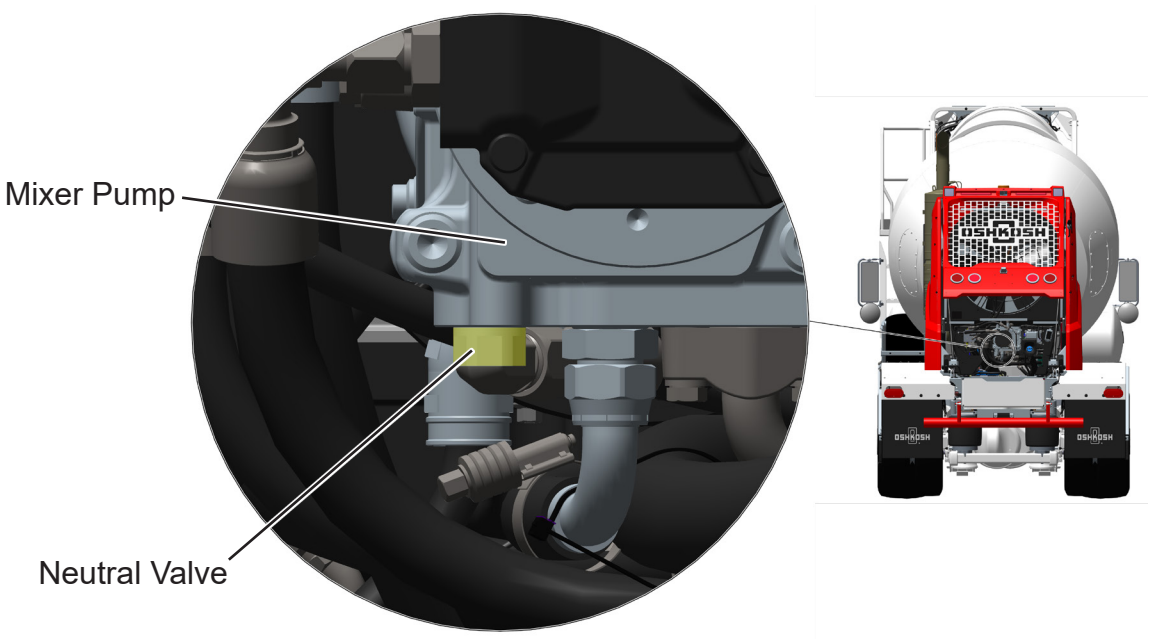


Figure 1

NOTE
Hydraulic oil will drain from the mixer pump when the existing neutral valve is removed. Have the new plug valve ready for installation after removing the existing valve to minimize mixer pump hydraulic oil loss.

NOTE
The new plug valve replaces the neutral valve funtionality of mixer pump. Drum creep/drift may be witnessed when hydraulic system temperature is below 100˚ F after installing plug valve.

4. Place an oil drain pan below existing mixer pump neutral valve.
5. Loosen and remove existing mixer pump neutral valve.
6. Install new mixer pump plug valve (A000Y981) in mixer pump and final tighten to 95 ft. lbs, see Figure 2.

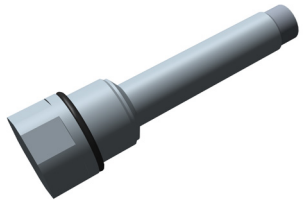


Figure 2

7. Remove oil drain pan and dispose of hydraulic oil as required by law.
8. Remove lockout/tagout and tire chocks.

Continuous Improvement:

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

McNeilus's quality policy is providing customer satisfaction through innovative products, dedicated service, and a constant focus on continuous improvement.

STREET SMART SERVICE BY McNEILUS

(888) 686-7278

www.streetsmartparts.com