



**S-Series**  
BACKED BY McNEILUS

## SAFETY NOTICE

**VSR-TSB-024**

NHTSA Campaign Number: 19V-486

# Vehicle Safety Recall - Technical Service Bulletin

## ***PROMPT ACTION REQUIRED***

**Attention:** Oshkosh Product Owner  
**Subject:** Hydraulic Steering Pump Hoses Routing Inspection  
**Models Affected:** Oshkosh S-Series Front Discharge Mixer  
**Model Year:** 2018-2019  
**Date:** July 2019

### **Purpose:**

A concern affecting safety exists in some Oshkosh S-Series Front Discharge Mixers. Trucks have been identified that are equipped with Cummins X12 engines with two hydraulic hardline routings that may have been connected incorrectly. Both hydraulic hose fittings are the same size so they may have been switched and installed to the incorrect location on the rear hardline assembly. If the hoses are switched, there is a possibility that the driver will have limited or no steering assist. This bulletin describes how to inspect for incorrect hose routing.

**Important:** Do not run or use the vehicle if the hoses are routed incorrectly. Contact S-Series Service Support at 888-686-7278 immediately.

### **Affected Vehicles:**

The affected vehicle population is Oshkosh S-Series Front Discharge Mixers with Cummins X12 engines produced between 2018 and 2019. Please refer to the attached VIN list of affected vehicles.

### **Time Completion:**

Complete the enclosed procedure for each affected truck. The time of accomplishment may vary due to a number of factors; however, the estimated time for completion of the procedure is 30 minutes under normal circumstances.

### **Required Action:**

Review and verify your ownership of all affected serial numbers of Oshkosh vehicles. If Oshkosh records indicate that you are the owner of one or more affected trucks, a Serial Number List is enclosed. **Please be reminded that it is a violation of Federal law for you to sell or lease the vehicles 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 trucks shall be inspected using the customer's own qualified service technicians - at no cost to the owner. The inspection should take approximately 30 minutes.

**Parts/Labor Reimbursement:**

In order to receive credit, claims are to be submitted through the normal warranty claim system. Claims must be received within 30 days of the repair. Claims must include the Oshkosh VIN of the vehicle, the customer asset number, and the number of this bulletin.

**Contacts:**

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

**Enclosures:**

Procedure

VIN List of Affected Vehicles

**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.

## PROCEDURE: Steering Pump Hose Inspection

### Preparation and Inspection

**Important:** Do not run or use the vehicle if the hoses are routed incorrectly. Contact S-Series Service Support at 888-686-7278 immediately.

1. Park vehicle on flat, level surface. 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. Chock wheels.
2. Battery Disconnect Switch

If your vehicle is equipped with a BATTERY DISCONNECT switch, it is located near 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.

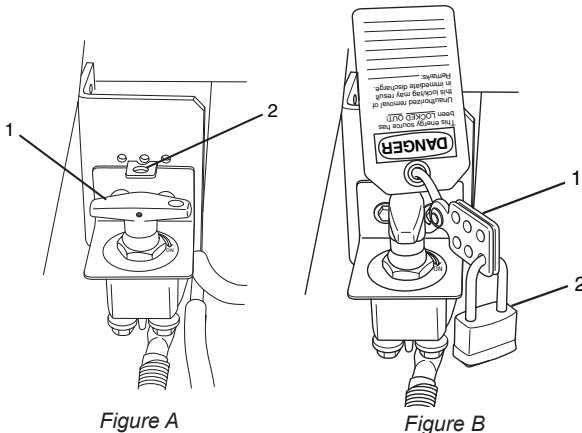


Figure A

Figure B

### **WARNING**

**For trucks without a battery disconnect switch, to prevent accidental vehicle start-up, which could cause death or serious injury, disconnect battery cables (negative cable first) before proceeding.**

**Disconnect negative (-) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury.**

3. Locate the three hardline to hose connections located on the right-hand side frame rail next to the transmission bell housing. See Figure 1. Use the aluminum code identification tags affixed to the hose to identify the hoses.
4. Check that the hose closest to the right-hand frame rail has a “2276” hose code identification tag. Hose “2276” is shown in yellow in Figure 1.
5. Check that the hose closest to the transmission bell housing has a “2274” hose code identification tag. Hose “2274” is shown in green in Figure 1.

### ***Inspection Results and Actions***

- A. If hoses 2274 and 2276 are installed correctly, this procedure is complete and no further action is required. Remove 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. Remove the wheel chocks. Return the vehicle to service.
- B. If the hoses are incorrectly installed, **Do not run or use the vehicle**, maintain your company’s Lockout/Tagout on the vehicle, and contact S-Series Service Support at 888-686-7278 immediately.



**Hose Code 2276**

P/N 4397998 / 4408030 / 4405777 / 4408033



**Hose Code 2274**

P/N 4397996 / 4535762 / 4405776 / 4408031

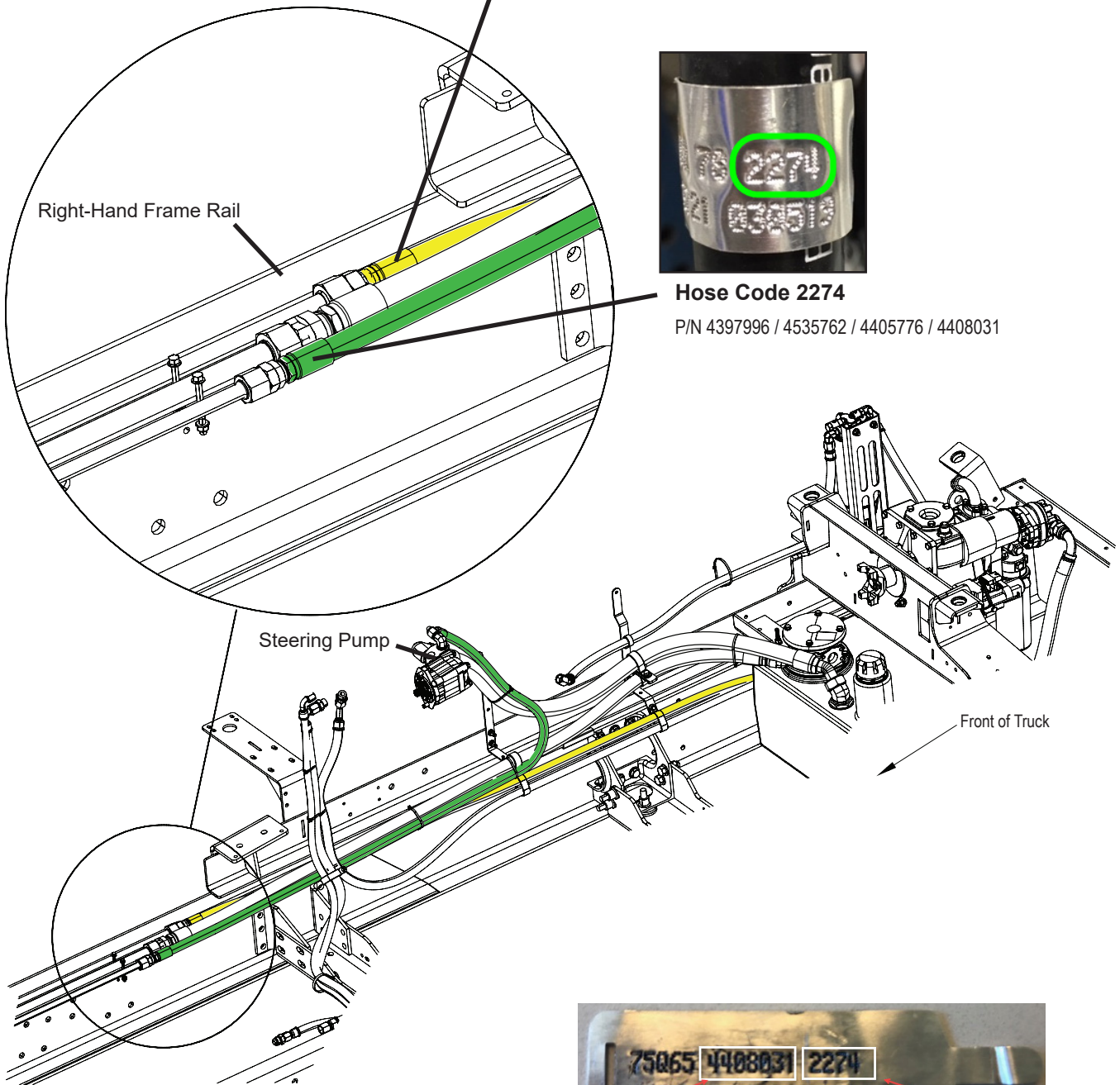


Figure 1

**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.*



**(888) 686-7278**

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