



S-Series™

2.0 Transmission High Temperature Warning

Date: April 5, 2023
Bulletin Name: FDM-TSIB-041
Model: Oshkosh S-Series
Units Affected: 2.0 Front Discharge Mixers

Purpose

This bulletin provides information on topics specific to transmission high temperature warnings reported in the field. The topics listed were helpful in preventing transmission high temperature warning conditions.

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.

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.

⚠ WARNING

Pressurized Fluid Hazard.
Never open surge tank pressure cap when cooling system is HOT.
Cover surge tank pressure cap with heavy cloth and turn cap slowly.
Failure to comply could result in severe personal injury.

Tools and Equipment Required

Customer to supply:

- Hand tools
- Torque wrench (foot pounds and inch pounds)

Parts Required

Item	Part Number	Description	Qty.
1	A000V881	SENSOR, CLNT LEVEL	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.

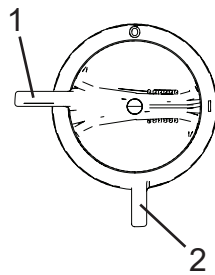


Figure A

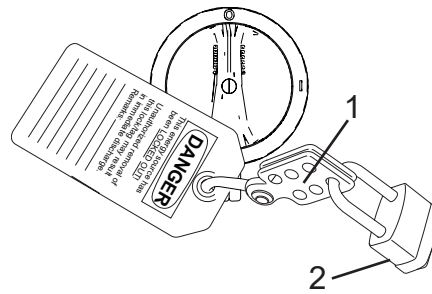


Figure B

Coolant Level

3. Check cooling system coolant level. The 2.0 vehicle's transmission cooler design is more sensitive to coolant levels than the legacy vehicle's system. See Figure 1. Add coolant as required.

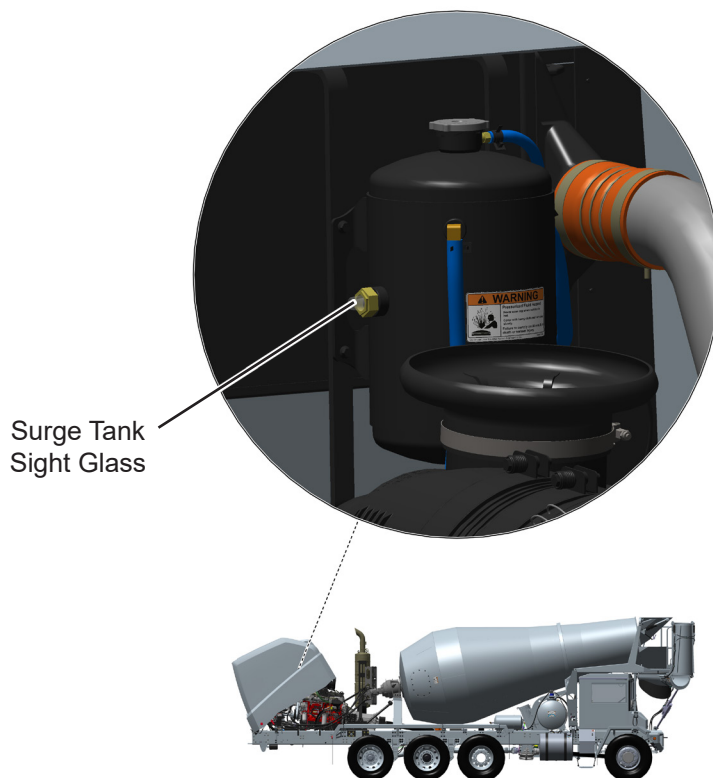


Figure 1

Coolant Level Sensor

4. Make sure cooling system surge tank has the latest coolant level sensor installed. See Figure 2. If surge tank does not have latest coolant level sensor installed, remove and replace with latest sensor (A000V881).
 - a. Allow cooling system to completely cool.
 - a. Drain coolant from the cooling system to bring coolant level below surge tank level sensor.
 - a. Install new sensor (A000V881) hand tight.
 - b. Torque sensor to 26 in lbs. using hex area of sensor.
 - c. Clock sensor an addition 1/4 to 3/4 turn so the sensor connector is vertical.
 - d. Refill cooling system.

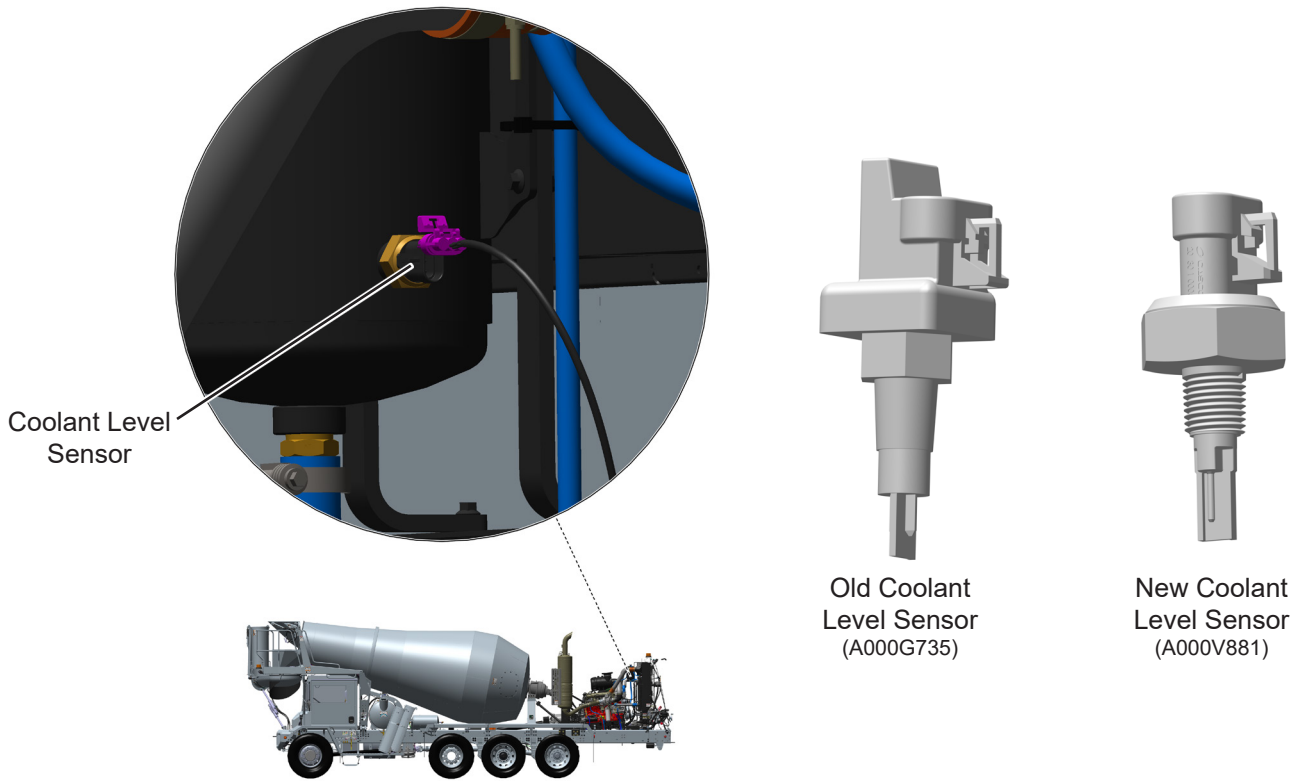


Figure 2

Vehicle Electrical Connections

5. Check vehicle electrical connections at various critical locations. Loose electrical connections can cause false readings. See instructions in bulletin FDM-TSIB-024.

Technical Service Information Bulletin

2.0 Electrical Connections

Date: May 12, 2021
Bulletin Name: FDM-TSIB-024
Model: Oshkosh S-Series
Units Affected: 2.0 Front Discharge Mixers

Purpose:
This bulletin provides instruction for checking electrical connections at various critical locations. Loose electrical connections can cause false readings and lead to electrical system errors.

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.

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
- Electrical sealant

Procedure:

Lockout/Tagout

1. Place unit on a flat surface, block 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.

1

Figure 3

Transmission Range Selection

6. Follow range selection guidelines as outlined in the vehicle's operator manual. See Figure 4.

10.2 Range Selection

The HI range is the default range to be used for general driving.

The LOW range is utilized for severe load and grade conditions, for off highway operation, or where creeping speed is required. When using LOW range for an extended grade condition, lock transmission in single gear.

Use suitable gear in main transmission to obtain desired speed and maintain momentum.

Figure 4

7. 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.



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