



S-Series™
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SAFETY NOTICE

VSR-TSB-035

NHTSA Campaign Number: 22V-378

Vehicle Safety Recall - Technical Service Bulletin

PROMPT ACTION REQUIRED

Attention: Oshkosh Product Owner
Subject: Alternator and Hood Pump Cable Routing
Models Affected: Oshkosh S-Series 2.0 Front Discharge Mixer
Model Year: 2019-2022 (VIN 788727 - 814106)
Date: June 2022

Purpose:

A concern affecting safety exists in some Oshkosh S-Series 2.0 Front Discharge Mixers. Vehicles have been identified that have alternator cables routed that may rub against components and over time wear cable sleeve or insulation exposing cable wires. The defect may cause a thermal event if the positive alternator cable is worn and makes contact with the vehicle's sub frame. This bulletin provides instruction on rerouting the alternator cables.

Affected Vehicles:

The affected vehicle population is Oshkosh S-Series 2.0 Front Discharge Mixers produced in 2018-2022.

Units Affected: S-Series 2.0 Front Discharge Mixers within the following VIN range: 788727 - 814106

Please refer to the attached VIN list of affected vehicles. **Perform the procedure to and make a warranty claim against only the vehicles on this VIN list.**

Time Completion:

Complete the enclosed procedure for each affected vehicle. The time of accomplishment may vary due to a number of factors; however, the estimated time for inspection and cushion clip reorientation is 0.5 hours.

Required Action:

Review and verify your ownership of all affected serial numbers of Oshkosh vehicles. Oshkosh records indicate that you are the owner of one or more affected vehicles, a VIN 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 vehicles shall be repaired using the customer's own qualified service technicians - at no cost to the owner. The repair should take approximately 0.5 hour with reimbursement of 1.0 hour.

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 S-Series Service Support at 888-686-7278

Enclosures:

Procedure

VIN List of Affected Vehicles (review this list and perform this procedure only on the vehicles in this list)

Reference Part Numbers [only required if inspection shows wear to cable(s)]

Item	Part Number	Description	Qty.
1	A000F361	CABLE, ALTERNATOR, NEGATIVE	1
2	A000F362	CABLE, ALTERNATOR, POSITIVE	1

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

Preparation

1. Park truck on flat, level 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. Battery Disconnect Switch

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.

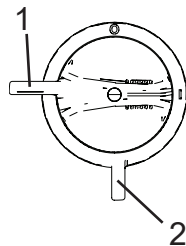


Figure A

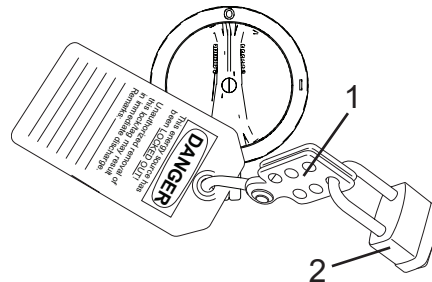


Figure B

Cable and Hose Inspection

3. Inspect alternator positive and negative cables for signs of wear to cable sleeve or insulation along front side edges of rear engine crossmember. See Figure 1.
4. If either cable shows signs of sleeve or insulation wear during inspection replace cable. If there are no signs of wear continue to Step 5 for updated cable routing and cushion clip positioning.

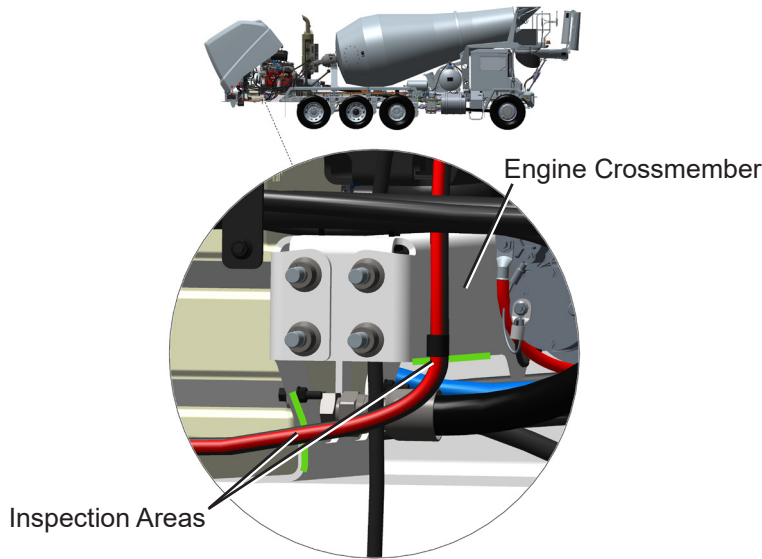


Figure 1

Cable Routing

5. Locate cushion clip securing engine alternator cables to engine mount. See Figure 2.
6. Loosen and remove 0.25-20 x 1.0 inch screw and lock nut securing cushion clip to engine mount. See Figure 2.
7. Rotate cushion clip removed in Step 6 180 degrees and reinstall on front side of engine mount. See Figure 2.
8. Reinstall 0.25-20 x 1.0 inch screw and lock nut to secure cushion clip to engine mount. See Figure 2. Final tighten cushion clip mounting hardware to 9 ft. lbs.

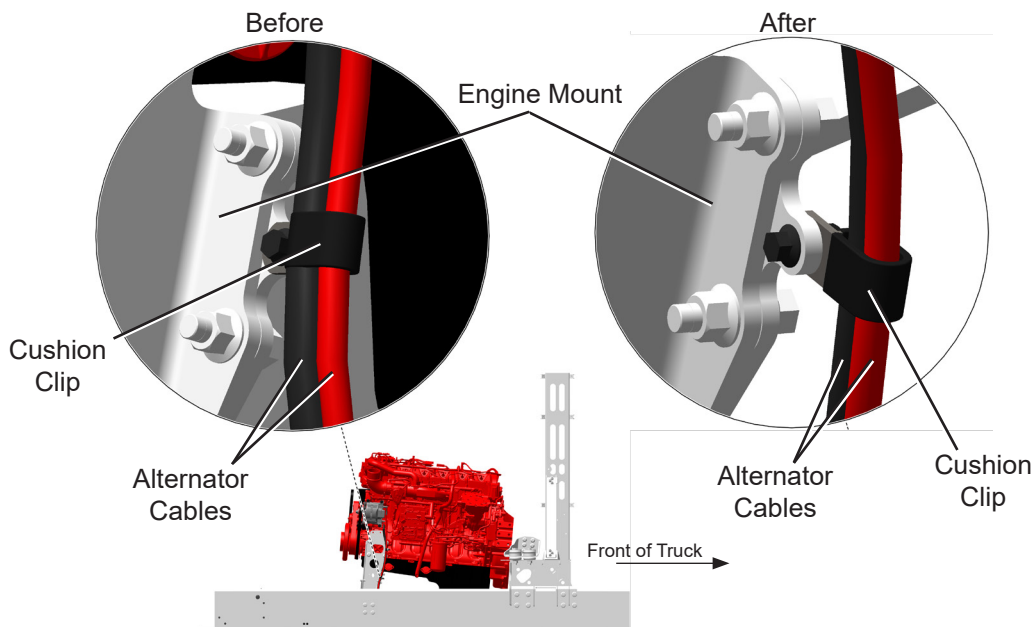


Figure 2

9. Locate cushion clip securing engine alternator cables to rear engine crossmember. See Figure 3.
10. Loosen and remove 0.25-20 x 1.0 inch screw and lock nut securing cushion clip to rear engine crossmember. See Figure 3.

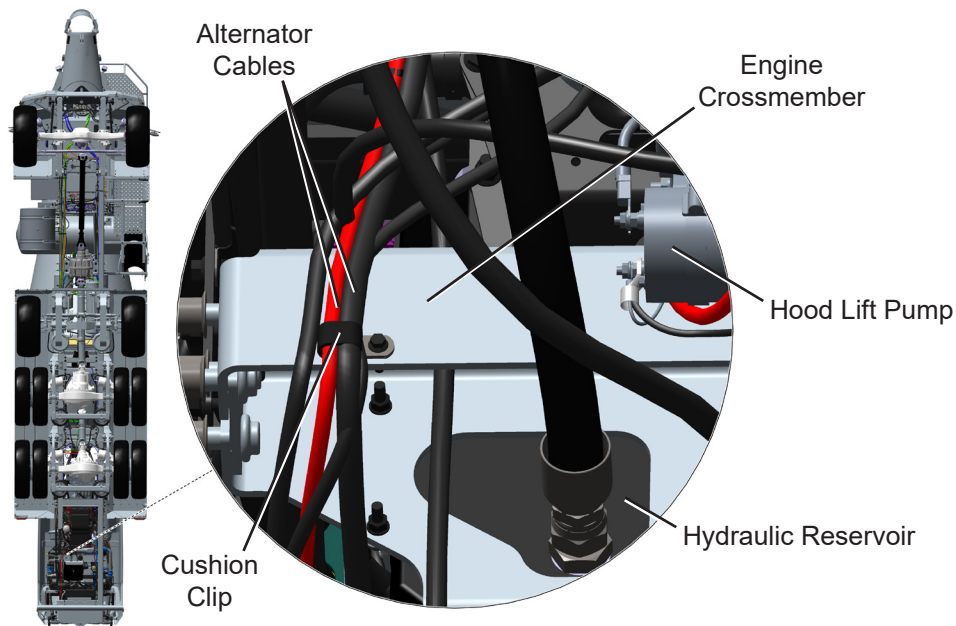


Figure 3

11. Rotate cushion clip removed in Step 10 180 degrees and reinstall on engine alternator cables. See Figure 4.
12. Reinstall 0.25-20 x 1.0 inch screw and lock nut to secure cushion clip to rear engine crossmember. See Figure 4. Final tighten cushion clip mounting hardware to 9 ft. lbs.

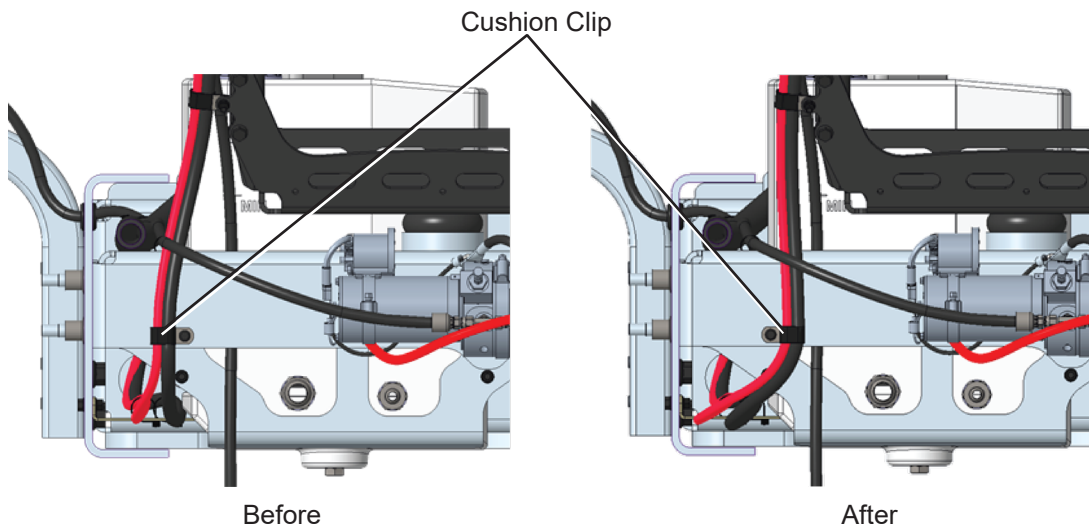


Figure 4

13. Make sure there is clearance between hood lift pump hydraulic line and engine alternator cables. See Figure 5. Adjust cushion clip and engine alternator cables as required to provide clearance.
14. Make sure there is clearance between bottom of engine crossmember and engine alternator cables. See Figure 5 and Figure 6. Adjust cushion clip and engine alternator cables as required to provide clearance.
15. Make sure hydraulic and fuel line bundle is securely zip tied to front engine crossmember. See Figure 5.

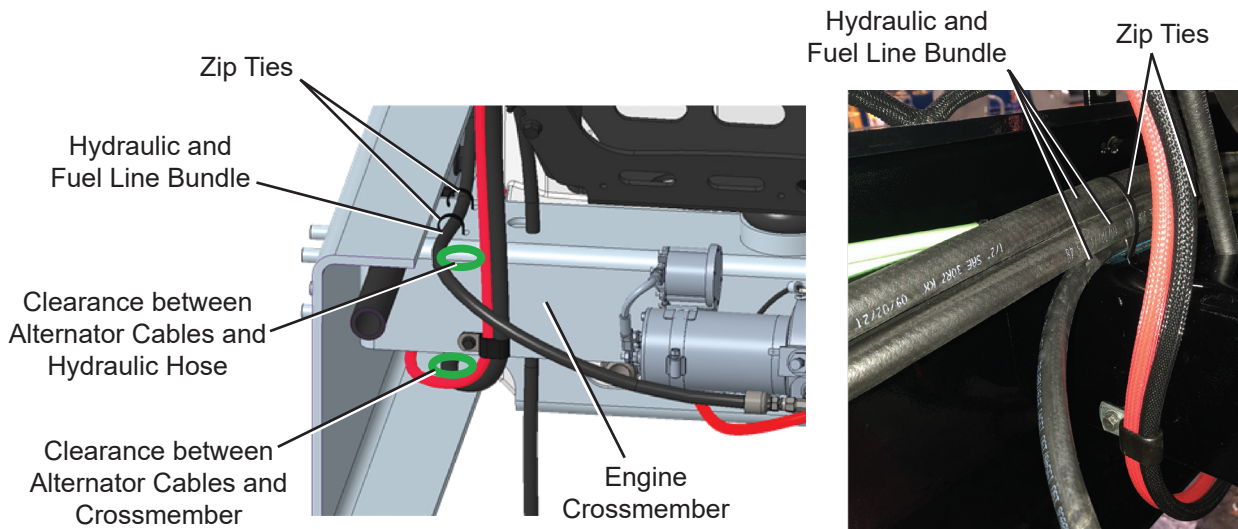


Figure 5

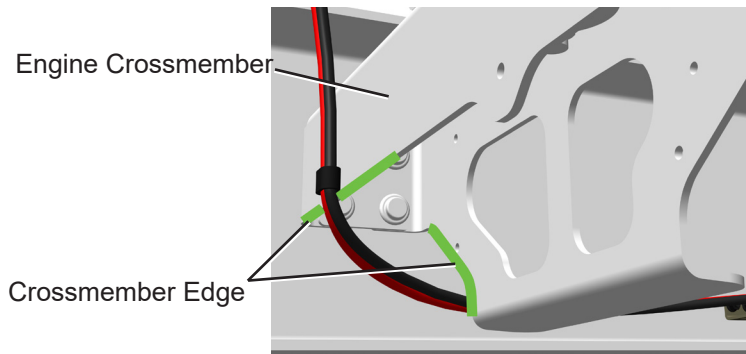


Figure 6

16. Inspect hood lift pump cables and hoses for signs of wear. Replace any cable(s) and hose(s) that show signs of wear. See Figure 7.
17. Make sure hood lift pump cables and hoses are routed and secured correctly. See Figure 7.
18. Make sure there is clearance between hood lift pump positive cable and hydraulic tank return hose. See Figure 7.

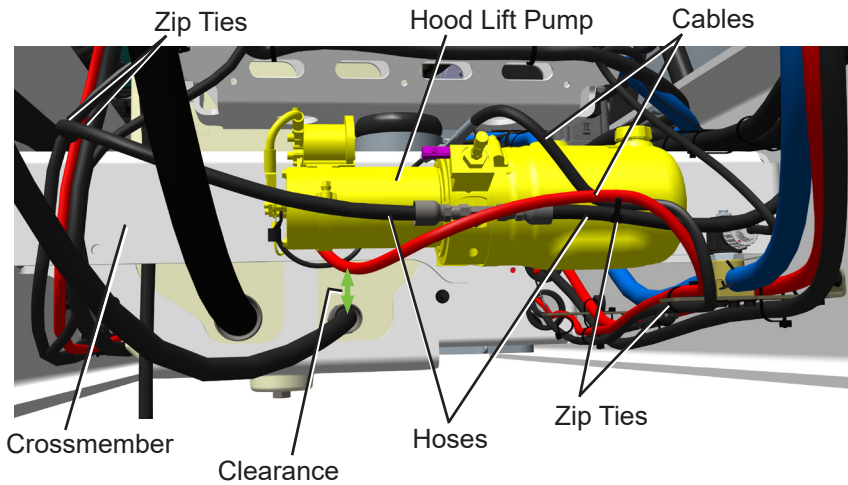


Figure 7

19. 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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