



S-Series  
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## SAFETY NOTICE

VSR-TSB-031

NHTSA Campaign Number: 21V-125

# Vehicle Safety Recall - Technical Service Bulletin

## *PROMPT ACTION REQUIRED*

**Attention:** Oshkosh Product Owner  
**Subject:** Dana Axle Output Shaft  
**Models Affected:** Oshkosh S-Series Front Discharge Mixer  
**Model Year:** 2020-2021  
**Date:** March 2021

### Purpose:

A concern affecting safety exists in some Oshkosh S-Series Front Discharge Mixers. Trucks have been identified that may be equipped with a Dana forward rear axle with an output shaft that might have been improperly heat treated, which can cause the shaft to fracture at the transition of the shaft splines to the threads. This bulletin provides instruction on inspecting the output shaft date code and the steps required if the output shaft requires replacement.

**Important:** Do not run or use the vehicle if the output shaft is identified as defective. Contact Dana Warranty/Service at 877-777-5360 immediately.

### Affected Vehicles:

The affected vehicle population is Oshkosh S-Series Front Discharge Mixers produced in 2020-2021.

**Units Affected:** SN 800235, 800894 - 800947

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 inspection is 1.5 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 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 1.5 hours.

### 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

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: Dana Axle Output Shaft Inspection**

***Preparation and Inspection***

**Important:** Do not run or use the vehicle if the Dana axle output shaft is identified as defective. Contact Dana Warranty/Service at 877-777-5360 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

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.

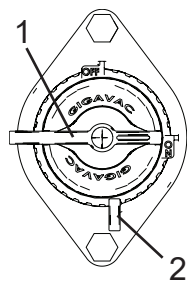


Figure A

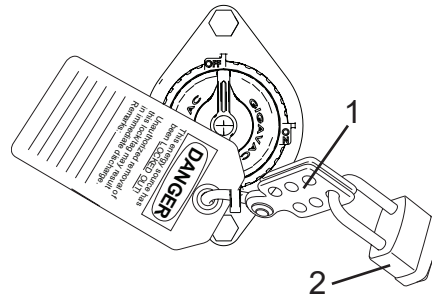


Figure B

3. Locate the axle identification tag on the forward drive axle, See Figure 1.

If the axle serial number matches one of the serial numbers in the Figure 1 table continue to Step 4.

If the axle serial number does not match one of the serial numbers in the Figure 1 table axle inspection is complete and no further action is required.

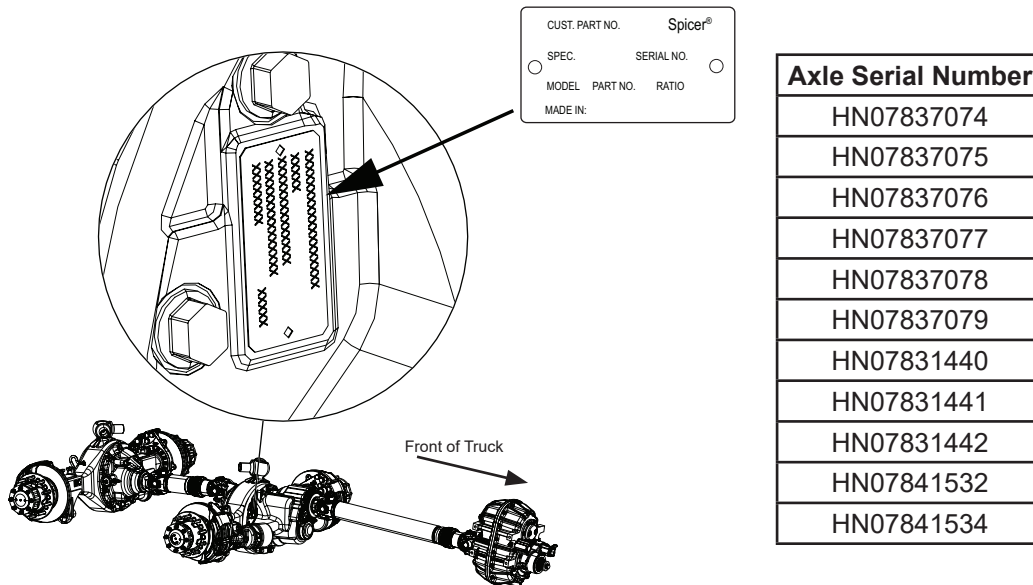


Figure 1

4. Remove the four 12 point flanged screws securing the two bearing retainers to the forward rear drive axle output shaft yoke, see Figure 2.

5. Disconnect the rear prop shaft from the forward rear drive axle output shaft yoke, see Figure 2.

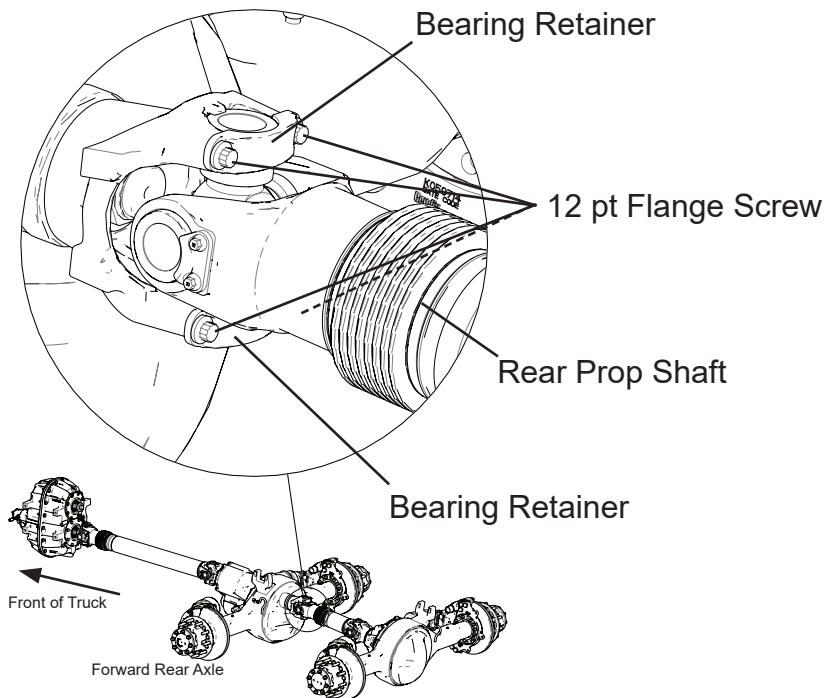


Figure 2

6. Clean off the end of the forward rear drive axle output shaft, see Figure 3.

7. Locate the date code stamped on the end of the output shaft, see Figure 3.

If the date code stamped in the end of the output shaft is listed in the Figure 3 table contact Dana Warranty/Service at 877-777-5360 for information on replacing the output shaft.

If the output shaft does not include a date code listed in the Figure 3 table go to Step 8.

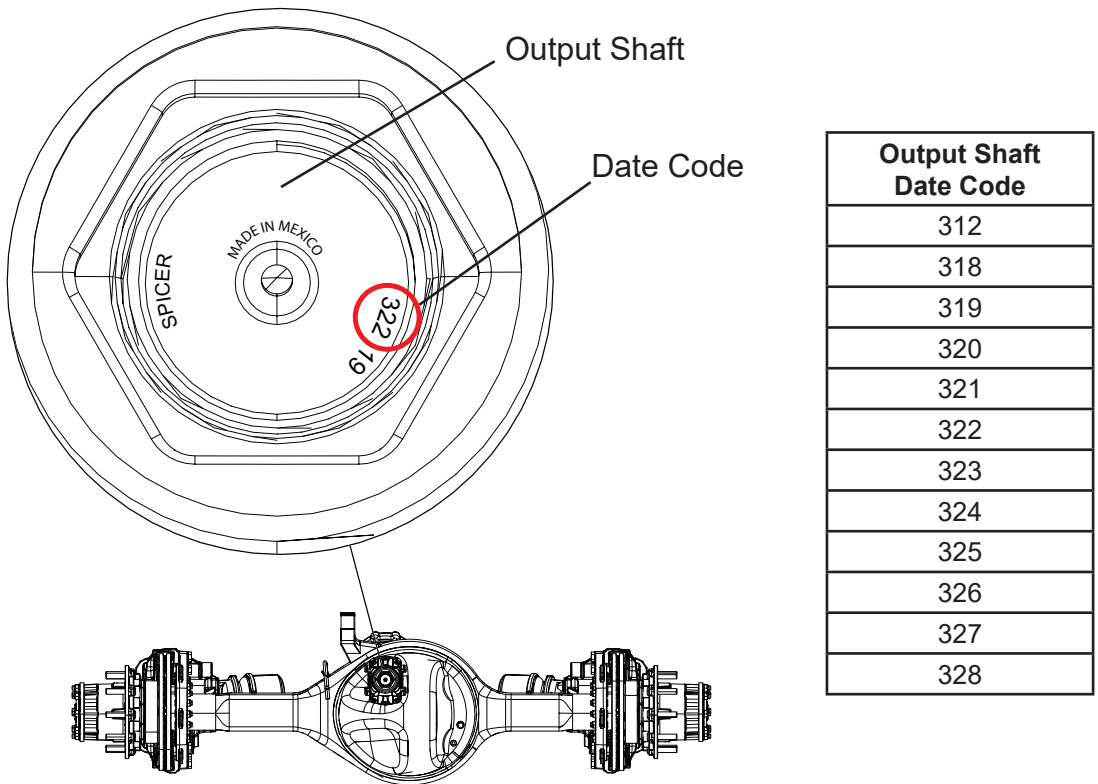


Figure 3

8. Reinstall the rear propshaft onto the forward rear drive axle output shaft yoke.
9. Reinstall the two bearing retainers and four 12 point flanged screws. Final tighten screws to 115-125 ft. lbs.
10. Remove lockout/tagout.

### 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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