



## SIM 31 01 24 DIAGNOSING FRONT AXLE ISSUES

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2024-09-24

This Service Information Bulletin (Revision #2) replaces SI M31 01 24 **dated May 2024**.

### What's New (Specific text highlighted):

- New Model U25 Added

## MODEL

F54 (Cooper Clubman, Cooper S Clubman)	F55 (Cooper, Cooper S 4-door Hardtop)	F56 (Cooper, Cooper S 2-door Hardtop)	F57 (Cooper Convertible, Cooper S Convertible)
F60 (Cooper, Cooper S, JCW Countryman)	F66 (Cooper S 2-door Hardtop)	U25 (Cooper, Cooper S, JCW Countryman)	

## SITUATION

During inspection and/or diagnosis there is noticeable dirt/grease buildup on the axles near the inner and/or outer CV boots.

## CAUSE

Surface contamination during component assembly.

Additionally, over time under normal operation of the vehicle, grease builds up on the axle shafts' CV boots.

## CORRECTION

**Surface contamination and/or grease build-up is normal. Do not replace the CV boot (inner) or axle half-shaft (outer).**

Only replace a CV boot (inner) or axle half-shaft (outer) under the following circumstances:

- There is a crack or tear in the CV boot
- There is a clamp missing from the CV boot
- The clamps can be easily moved/rotated (outside boot)
- There is visible grease slinging onto the components around the CV joint rotation area

## PROCEDURE

Inspecting the axle CV boots-

- Check for all clamps (Two for each boot)
- Check that the clamps are secure to the boot
- Clean the boots with a shop rag; if the contamination is dried on, use silicone spray to remove the contamination for a better inspection (do not use brake cleaner or solvents, which have an aggressive effect on rubber)
- Examine the boots for damage (cuts, tears, or punctures)

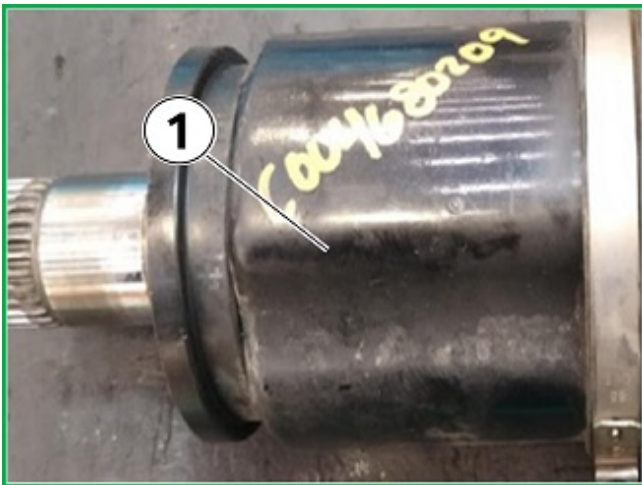
**A. The following are examples of good axles/boots. Do not replace.**



Example of dirt/contamination from outside influence (1).



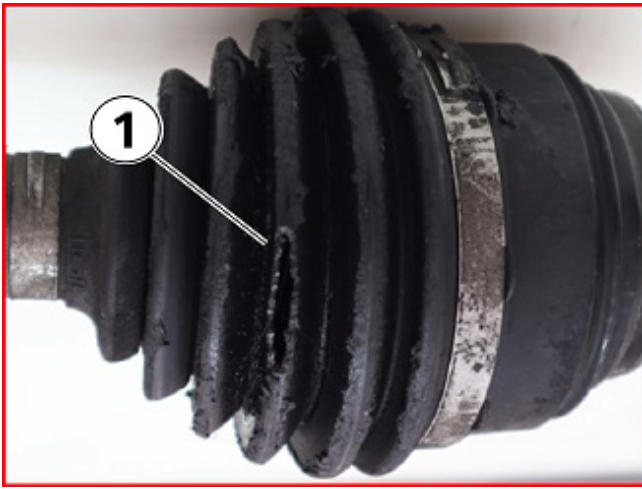
Example of dirt/contamination from outside influence (1).



Example of dirt/contamination from outside influence (1).

Or:

**B. The following are examples of torn and/or leaking CV boots that require the necessary corresponding repair to be performed (CV boot/bellows repair kit installation or axle/output shaft replacement)**



Tear in the boot (1).



Tear or cut in the boot (1).



Tear or cut in the boot (1).

The below example is a boot that is dispersing grease around the outer carrier (1).



## PARTS INFORMATION

When applicable, to determine the part number that applies to the specific vehicle being repaired, enter the VIN/chassis number into either ETK or AIR, this will consider the specific equipment and/or options that are fitted to the vehicle.

## CLAIM INFORMATION

This Service Information Bulletin provides technical and diagnosis-related information.

### **Eligible and Covered Work/Repairs**

An eligible repair to address a verified defect in materials and/or workmanship with the vehicle component/assembly described in this Service Information Bulletin is covered under the terms of the MINI New Passenger Limited Warranty.

Damaged CV boots/bellows and axle/output shafts (front and rear), or other issues caused by outside influences, are not covered under the MINI limited warranties or program coverage that applies to the vehicle.

To submit a claim, please following the established and applicable warranty policy and procedures (Labor/Part/Sublet) that apply to the repair being performed.

Refer to AIR to obtain and assign the RO line item's Repair Code. For the corresponding repair that was performed, obtain the flat rate labor operation codes (\*including the diagnosis that applies) and their corresponding flat rate unit (FRU) allowances

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Only one Main labor operation code can be claimed per repair visit.

Based on which one applies to your dealer, please refer to **SI M01 01 20** or **M01 04 20** for the applicable procedure for documenting, claiming, and explaining, on the RO and in the claim comments, your diagnosis work time (WT), job/repair work time (WT), and the vehicle repairs your dealer performed, unless otherwise required by State law.

### **BMW Group's AIR Application Resource for Flat Rate Labor Operation Codes**

To obtain the corresponding flat rate unit (FRU) allowance information from the BMW Group AIR application resource, start by entering the Chassis Number (the last seven (7) characters of the VIN, select the applicable Model if two or more vehicle choices show), or enter the full VIN (17 characters), click on the "Search" button. Next, click on the "Flat Rate Units" button and enter the flat rate labor operation code in the field to the right, click "Search" to display the Flat Rate Unit Group detail choices.

### **FEEDBACK REGARDING THIS BULLETIN**

Technical Feedback	To submit feedback for the technical topic of this bulletin: Submit your feedback in the rating box at the top of this bulletin
Warranty Feedback	To submit feedback for the CLAIMS section of this bulletin: Submit an IDS ticket to the Warranty Department, or use the chat available in the Warranty Documentation Portal
Parts Feedback	To submit feedback for the PARTS section of this bulletin: Submit an IDS ticket to the Parts Department

