



SIM 33 01 22

2022-05-03

HUMMING, CREAKING OR JERKING FROM THE REAR WHEN CORNERING

MODEL

E-Series	Model Description	Production Date	Affected Option Code
F60	MINI Countryman	Vehicles built 11/1/2014 – 5/1/2020	With ALL4 and not PHEV

SITUATION

The following complaints may be noticed while slow maneuvering with a steering input of 80-100% (at or near full lock, e.g., parking lot maneuvers) or accelerating with a medium to large steering angle:

- Humming or creaking noises from the rear area
- Slight vibrations, also noticeable from the driver's seat
- The vehicle may also jerk slightly

CAUSE

Water ingress in the hang-on clutch (HOC) through a leaky O-ring of the HOC ventilation line to the rear axle differential housing.

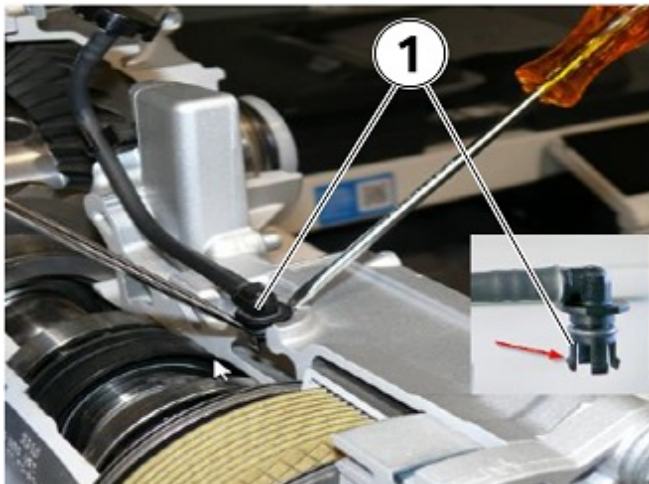
CORRECTION

Drain all the oil from the HOC and replace the HOC vent line **without** replacing the HOC.

Vehicle programming and encoding is not required after performing the repair described in the Procedure section.

PROCEDURE

- To drain the HOC oil, refer to Repair Instruction **33 10 700 Replace clutch of rear axle differential** (for access, the process of changing the transmission oil on the hang-on clutch is described here)
- Ensure that all oil is properly drained and then disposed of per your dealer's local regulations



- Carefully pinch the tabs on the old vent line and pry it out of the housing (1).

- Lubricate the O-ring on the new vent line with HOC oil and carefully seat the new vent line into the HOC housing
- Reinstall the HOC/diff following the repair instructions (filled with proper amount of oil)
- **NOTE:** There is no need for programming when changing oil in the HOC

PARTS INFORMATION

Obtain and confirm the part numbers for your specific vehicle by entering the chassis number in either ETK or AIR which takes into account specific equipment and/or options.

Part Number	Description	Quantity
33 10 8663987	Breather	1
33 10 8696083	Gasket ring	1
83 22 2 413 513	BMW Group HOC Oil 850 mL	Sublet as needed

CLAIM INFORMATION

Covered under the terms of the MINI New Passenger Car Limited Warranty.

Defect Code:	3310113900	Crackling/creaking in the HOC rear axle differential under 10 km/h Unpleasant noises
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Refer to AIR for the corresponding flat rate unit (FRU) allowances.

Labor Operation	Description	Labor Allowance
00 00 006	Performing vehicle test (with vehicle diagnosis system – checking faults) (Main work)	Refer to AIR
Or:		
00 00 556	Performing vehicle test (with vehicle diagnosis system – checking faults) (Plus work)	Refer to AIR
And:		
61 21 528	Support voltage of the vehicle electrical system / recharge vehicle electrical system battery	Refer to AIR
And:		
33 10 700	Remove and install clutch of rear axle differential (For access, programming only applies to HOC replacements!)	Refer to AIR
And:		
00 71 924	Replacing the rear axle differential ventilation line (hang-on clutch removed)	1 FRU

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead of 00 00 006, or exclude (including 61 21 528) when the Vehicle Test is included in another repair.

And, as needed:

Sublet – Bulk Materials (RO and Claim Comments Required)

Sublet Code 4	See the sublet reimbursement calculations below	Reimbursement for the repair-related bulk material (Do not use the MINI part number for claim submission)
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Sublet reimbursement calculation for claiming the applicable repair-related bulk material (MINI part number) is at the dealer net price amount for the quantity used plus your dealer's handling.

Enter this material cost in sublet and itemize the amount on the repair order and in claim comment section.

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.

FEEDBACK REGARDING THIS BULLETIN

Technical Feedback	To submit feedback for the technical topics 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