



SIB 24 02 22

2022-12-08

## METALLIC CRACKING NOISE IN DRIVELINE DURING LOAD REVERSAL

### MODEL

|                                  |                                  |                                |                      |
|----------------------------------|----------------------------------|--------------------------------|----------------------|
| G01 (X3 Sports Activity Vehicle) | G05 (X5 Sports Activity Vehicle) | G06 (X6 Sports Activity Coupe) | G12 (7 Series Sedan) |
| G14 (8 Series Convertible)       | G15 (8 Series Coupe)             | G16 (8 Series Gran Coupe)      | G20 (3 Series Sedan) |
| G22 (4 Series Coupe)             | G23 (4 Series Convertible)       | G26 (4 Series Gran Coupe)      | G29 (Z4 Roadster)    |
| G30 (5 Series Sedan)             | G42 (2 Series Coupe)             |                                |                      |

**Rear Wheel Drive Variants only with the 8HP51 automatic transmission (No xDrive models)**

### SITUATION

A cracking, metallic noise from under the center of the vehicle. The noise can occur under the following situations:

- While driving: When there is a load reversal from off-throttle to on-throttle mode or vice versa, from on-throttle to off-throttle mode.
- While stationary: When changing gear from D to R or vice versa, from R to D.

### CAUSE

Unfavorable tolerances of the output flange to the automatic transmission.

### CORRECTION

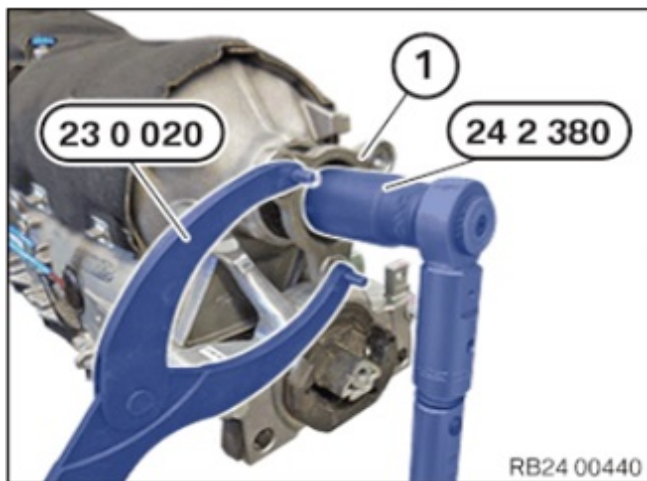
Replace and re-torque the collar nut on the transmission output flange.

### PROCEDURE

Depending on model, access the collar nut for the output flange following Repair Instruction:

- **24 13 026 Replacing radial shaft seal for output flange, or**
- **24 13 029 Replacing radial shaft seal for output flange.**

**NOTE: Do not remove the flange!**



Replace the collar nut (1) and tighten to 60 Nm. Peen the nut with an 8 mm punch.

### PARTS INFORMATION

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

| Part Number   | Description          | Quantity |
|---------------|----------------------|----------|
| 24 20 7588761 | Collar nut (M27X1,5) | 1        |

Also refer to EPC for additional fasteners, bolt sets, gaskets and seals that may needed to perform the repair outlined in this bulletin.

## CLAIM INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

|                     |                   |   |
|---------------------|-------------------|---|
| <b>Defect Code:</b> | <b>2420003700</b> | <b>Automatic transmission output flange Loose</b> |
|---------------------|-------------------|---|

For labor operations 24 20 NNN or 24 13 NNN- Refer to AIR for the corresponding flat rate labor operation code and FRU allowance for the applicable rear-wheel drive variants with the 8HP51 automatic transmission.

| Labor Operation           | Description  | Labor Allowance |
|---------------------------|--|-----------------|
| 24 20 NNN or<br>24 13 NNN | Replacing output flange or replacing radial shaft seal for output flange (Main work) that is listed in AIR                             | Refer to AIR    |
| Or:                       |  |                 |
| 24 20 NNN or<br>24 13 NNN | Replacing output flange or replacing radial shaft seal for output flange (Plus work) that is listed in AIR                             | Refer to AIR    |
| Or:                       |  |                 |
| 24 20 NNN or<br>24 13 NNN | Replacing output flange or replacing radial shaft seal for output flange (Associated work, transmission removed) that is listed in AIR | Refer to AIR    |
| And, as necessary:        |  |                 |
| 24 00 010*                | Checking automatic transmission for function (Work time)   | WT              |
| Or                        |  |                 |
| 00 58 500*                | Diagnosis Worktime Flat Rate (See below)   | 2 FRU           |

If you are using a Main labor code for another repair, use the Plus code labor operation, or the Associated code labor operation, when applicable, instead.

Work time labor operation codes 24 00 010 and 00 58 500 are not considered a Main labor operations.

## 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   |

