



SI B33 03 15
Rear Axle

November 2015
Technical Service

SUBJECT

Leaking Rear Differential (QMVH)

MODEL

F85 – X5M

F86 – X6M

SITUATION

There is an oil leak from the rear differential housing.

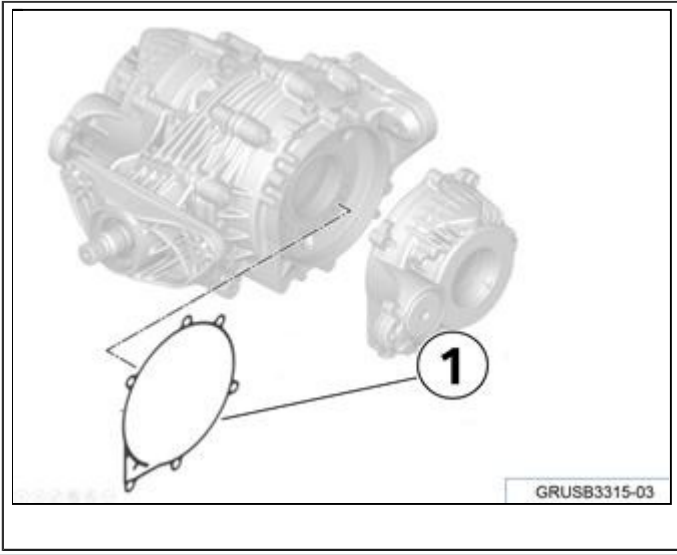
CAUSE

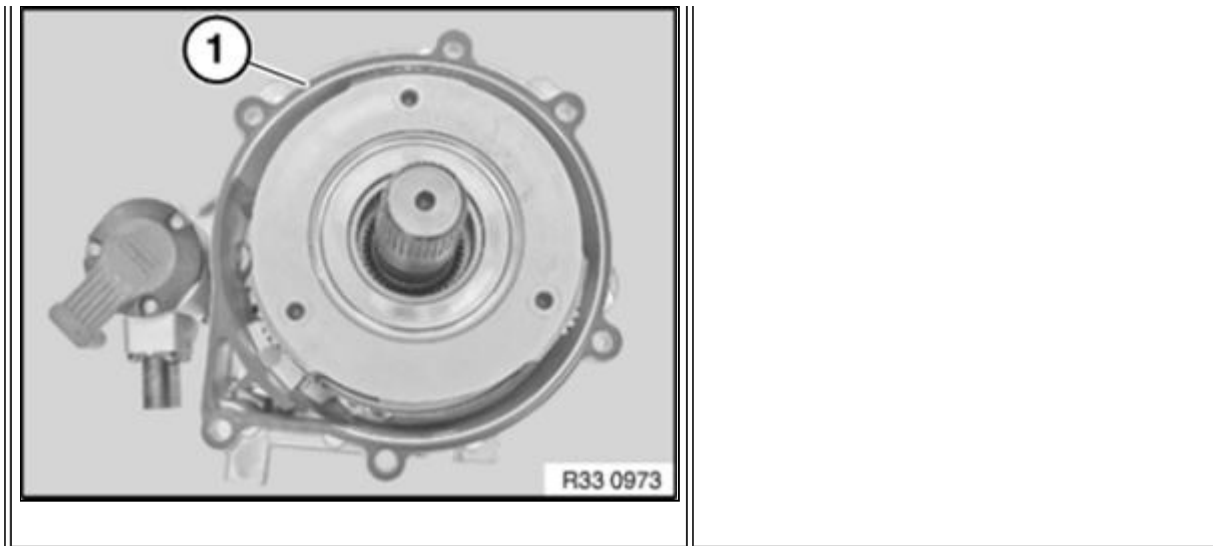
The liquid-type sealer used between the main differential housing and the outer superimposing gear units has failed.

CORRECTION

Replace the gaskets between the superimposing gear cases and the main differential housing.

PROCEDURE

| | |
|--|---|
|  | <p>Gaskets are available through EPC (PN 33 10 7 601 264) for resealing the superimposing gear cases to the main differential housing (1)</p> |
| | <p>Both halves of the QMVH (1) will need to be resealed during the repair (do not repair only the side that is leaking).</p> |



Refer to the Repair Instruction 33 11 694 Overview of rear axle final drive (Dynamic Performance Control) for complete resealing instructions.

PARTS INFORMATION

| Part Number | Description | Quantity |
|-----------------|-----------------------------------|----------|
| 33 10 7 601 264 | Gasket | 2 |
| 33 11 7 525 064 | Drain/Fill plug | 6 |
| 33 20 7 572 716 | Output shaft screws | 12 |
| 33 20 7 850 144 | Output shaft screw reinforcements | 6 |
| 18 30 8 632 362 | Exhaust clamp | 2 |
| 18 20 7 524 215 | Exhaust bracket bolts | 4 |
| 07 11 9 905 528 | Exhaust bracket bolts | 2 |
| 07 14 3 413 174 | Exhaust bracket nuts | 4 |
| 33 12 7 607 158 | Repair kit insert nut | 1 |

Bulk Materials

| Part Number | Description | Quantity |
|-----------------|--|----------------|
| 07 51 2 293 972 | Oil - Center differential (SAF-XO) (Synthetic OSP) | Up to 2 liters |
| 83 12 0 445 832 | Oil – Superimposing gear units (SAF-CARBON) (500 ml) | Up to 2 liters |

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

| | | |
|---------------------|-----------------------|--|
| Defect Code: | 33 11 00 48 00 | |
| | | |

| Labor Operation: | Labor Allowance: | Description: |
|-------------------------|-------------------------|--|
| 33 10 018 | Refer to KSD | Removing and installing rear axle differential |
| And: | | |
| 33 11 694 | Refer to KSD | Sealing off rear axle differential |

If you are using a Main labor code for another repair, use the Plus code labor operation 33 10 518 instead.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowances.

Sublet – Bulk Materials

| | | |
|---------------|--|---|
| Sublet Code 4 | See sublet reimbursement calculation below | Reimbursement for the repair-related bulk materials (BMW PN 07 51 2 293 972 and 83 12 0 445 832, please do not use these part numbers for claim submission) |
|---------------|--|---|

Sublet reimbursement calculation for claiming the “used quantities” of repair-related bulk materials (BMW PN 07 51 2 293 972 and 83 12 0 445 832) is at dealer net plus your center’s handling.

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

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