



SI B11 09 16
Engine

May 2016
Technical Service

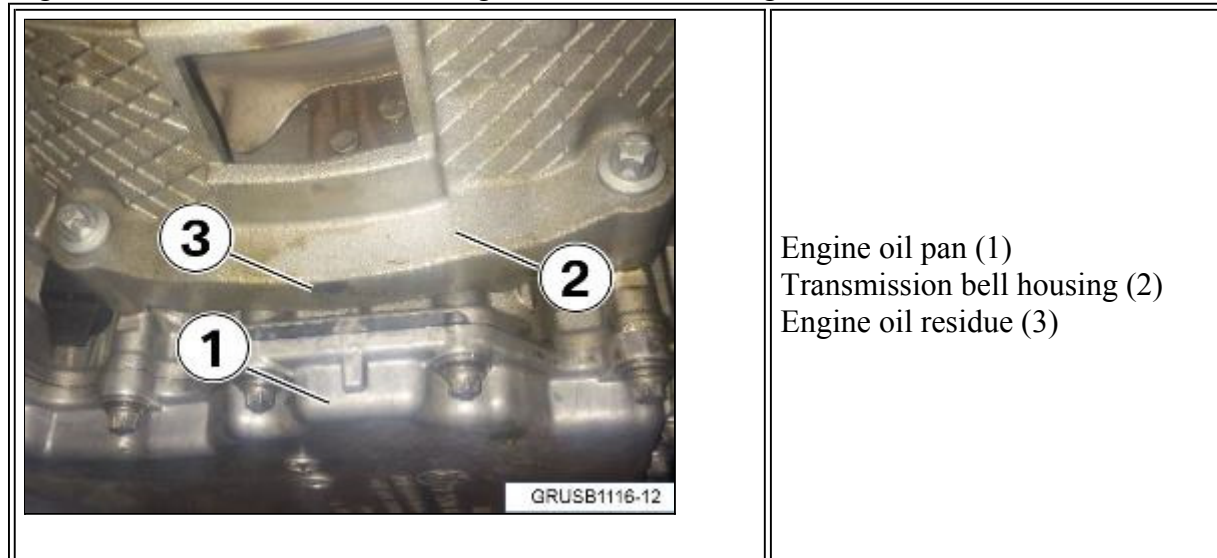
N63, N63TU, S63 and S63TU Engines: Oil Leak from the Rear of the Engine and Transmission Bell Housing

MODEL

E70 (X5)	E71 (X6)	E70 (X5M)	E71 (X6M)
E72 (ActiveHybrid X6)	F01 (7 Series Sedan)	F01 (ALPINA B7)	F02 (7 Series Sedan LWB)
F02 (ALPINA B7 LWB)	F04 (Active Hybrid 7)	F06 (6 Series Gran Coupe)	F06 (ALPINA B6 GC)
F07 (Gran Turismo)	F10 (5 Series Sedan)	F12 (6 Series Convertible)	F13 (6 Series Coupe)
F10 (M5 Sedan)	F12 (M6 Convertible)	F13 (M6 Coupe)	

SITUATION

Customer complains that engine oil is leaking from the center of the vehicle. When verified, the engine oil residue can be seen leaking from between the engine and the transmission bell housing.



PROCEDURE

Refer to the attached procedure for diagnosis steps and repair procedures.

PARTS INFORMATION

If the engine oil leak diagnosis described in the attachment supports the removal of the transmission, replacement of the end cover, rear and the crankshaft seal.

Part Number	Description	Quantity

11 14 2 446 298	Updated, end cover, rear kit	1
11 14 7 583 221	Cap with rear seal (crankshaft seal)	1
83 21 2 365 946	Motor Oil SAE 5W-30 Long-life (1 liter)	Up to 2 for topping
82 14 1 467 704	Antifreeze	As needed per the Repair Instructions
UPDATE! Refer to ETK	Transmission Fluid	1 liter

Refer to the ETK and the repair instructions for one time use fastener and component information regarding additional screws, gaskets and seals.

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:	11 14 02 48 00
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All except the ALPINA models

Labor Operation:	Labor Allowance:	Description:
11 65 180	Refer to KSD2	Removing and installing heat shield at top
And:		
11 99 000	5 FRU	Diagnosis work time to verify engine oil leak location
And:		
11 14 750	Refer to KSD2	Removing, installing and replacing rear coolant end cover

Labor operation code 11 65 180 is a Main labor operation. If you are using a Main labor code for another repair, use the Plus code labor operation 11 65 680 instead.

Work time labor operation code 11 99 000 is not considered a Main labor operation. Also, since the “work time” FRU allowance to be claimed is specified, a separate punch time is not required.

Or for the:

ALPINA models

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Labor Operation:	Labor Allowance:	Description:
11 99 000	See below*	Work time to diagnosis and replace the rear coolant end cover

***ALPINA Work Time Calculation:** Using the “non-APLINA version” of the vehicle being repaired, claim 5 FRU (diagnosis) plus the sum total for the KSD2 listed “FRU allowances” for labor operations 11 65 180 or 11 65 680 and 11 14 750. Explain and itemize this work time on the repair order and in the claim comments.

And:

Defect Code:	11 14 04 48 00
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All except the ALPINA models

Labor Operation:	Labor Allowance:	Description:
11 14 605	Refer to KSD2	Replacing rear crankshaft radial oil seal (transmission removed)

Or for the:

ALPINA models

Labor Operation:	Labor Allowance:	Description:
11 99 000	See below**	Work time to replace the rear crankshaft radial oil seal (transmission removed)

****ALPINA Work Time Calculation:** Using the “non-APLINA version,” claim the KSD2 listed “FRU allowance” for labor operation 11 14 605. Explain and itemize this work time on the repair order and in the claim comments.

Sublet – Bulk Materials

Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for the repair-related bulk materials (BMW part number, please do not use the part numbers for claim submission)
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Sublet reimbursement calculation for claiming the “used quantities” of repair-related bulk materials (BMW part numbers) is at dealer net plus your center’s handling.

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

One gallon (3.78 liters) of Antifreeze/Coolant provides 2 gallons or 8 quarts (7.57 liters) when mixed with water to create a 50/50 recommended mixture.

Overlapping Labor – Associated and/or Other Repairs

If invoicing KSD2 flat rate labor operation codes for the additional repair work results in overlapping labor being claimed, invoice work time labor operation 00 50 000 for the additional time (FRU) minus the overlap instead.

On the repair order and in the claim comment section, please identify the labor operations that labor operation code 00 50 000 replaces and itemize the claimed FRU amount.

Work time labor operation code 00 50 000 is not considered a Main labor operation.

Associated Repairs: When work time labor operation 00 50 000 is used as an extension of the repair outlined in this bulletin, a separate defect code and punch time(s) are not required.

Other Repairs: When work time labor operation 00 50 000 is used for work that will be claimed under a different defect code, separate punch time(s) are required.

ATTACHMENTS

View PDF attachment [B110916 oil leak diagnosis and repair](#).

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