



MODEL

G12 (7 Series Sedan)	G30 M550i (5 Series)
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AFFECTED VEHICLES

This Service Action involves G12 and G30 vehicles produced from November 2016 to February 2017.

Vehicles which require this Service Action to be completed will show it as “Open” when checked either in AIR, the "Service Menu" of DCSnet (Dealer Communication System) or with the Key Reader.

SITUATION

This bulletin describes the procedures to inspect and if necessary replace the following components:

- Turbo charger oil feed lines (leaking)
- Charge air coolers (corrosion)

PROCEDURE

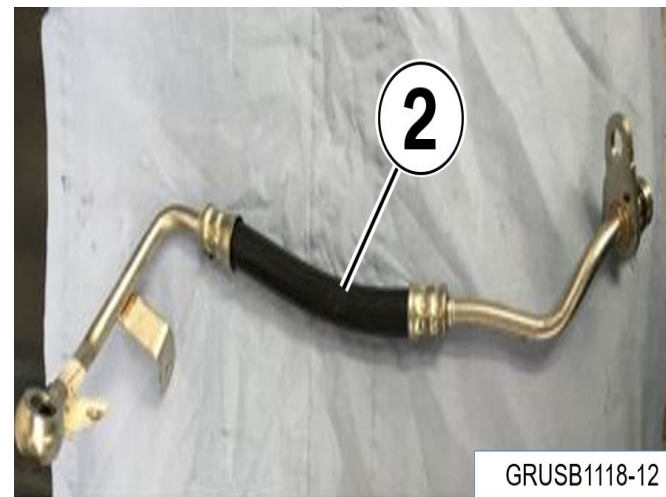
Section 1: Inspect and Replace the Turbocharger Oil Feed Lines

Turbocharger oil feed line overview:

The oil feed line locations are shown with red highlight

Oil feed line construction overview:

Stainless steel flexible section. This is the new design and should not be replaced.

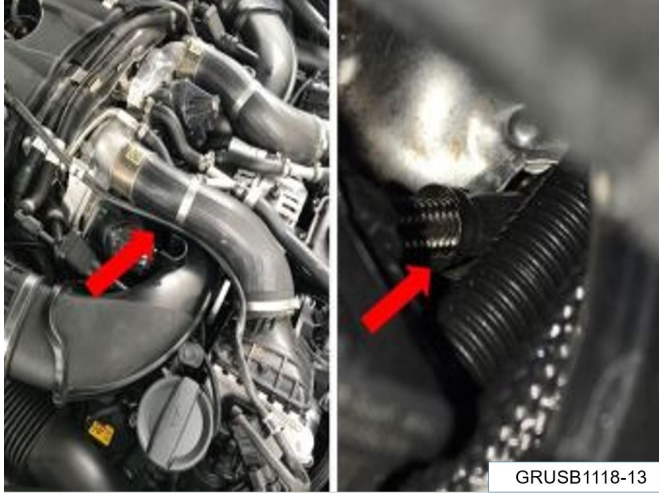


(2) Black rubber flexible section. This line should be replaced.

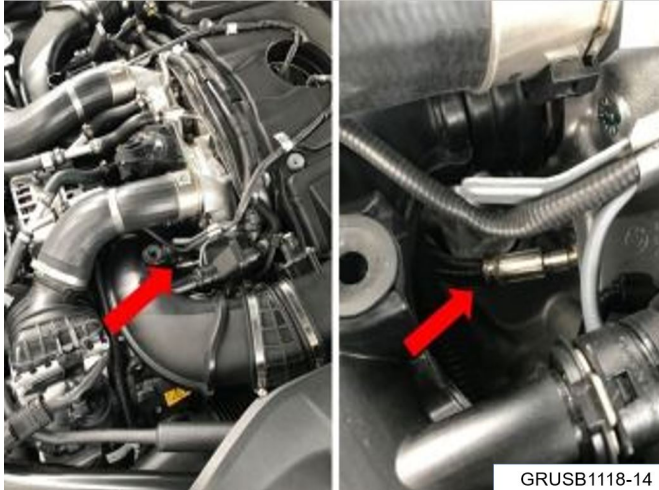
Remove and install the engine acoustic cover as per Repair Instructions 11 12 070 “Removing & installing/replacing the acoustic cover”

Refer to Repair Instruction 11 42 200 “Remove and install / renew the oil feed line for the exhaust turbocharger N63O2”

Do not remove the turbochargers!



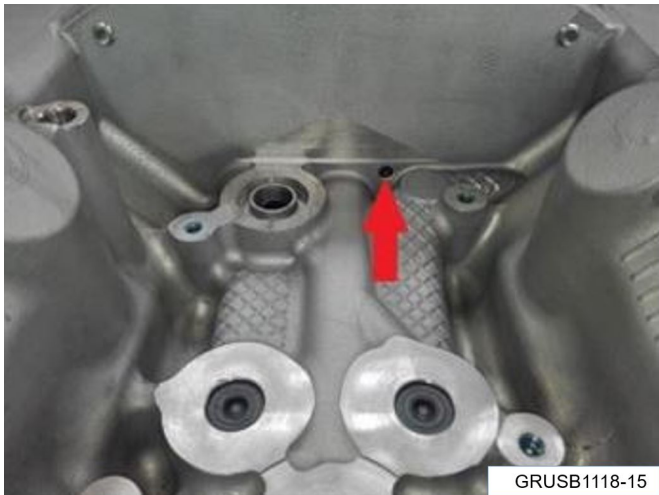
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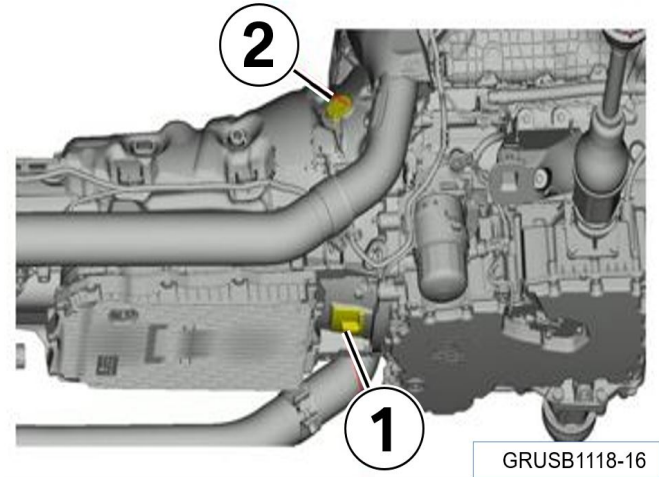
Refer to Repair Instruction 11 42 200 “Remove and install / renew the oil feed line for the exhaust turbocharger N63O2”

Do not remove the turbochargers!



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Only if the oil feed lines were actively leaking oil. Check the engine block (V-space) for engine oil residue and clean as needed. If there is leakage, the exhaust system, both exhaust turbochargers, the lower heat shield, the complete exhaust manifold and the oil-to-coolant heat exchanger needs to be removed to clean this area. Refer to the following repair instructions: 11 62 060 “Removing and installing/replacing the left exhaust manifold (bank 5-8)” 11 62 065 “Removing and installing/replacing the right exhaust manifold (bank 1-4)” 11 44 000 “Removing and installing/replacing the oil-to-coolant heat exchanger” Wipe dry with a shop towel and rinse the residual oil with cleaner via the drain hole and flush it out (see arrow).



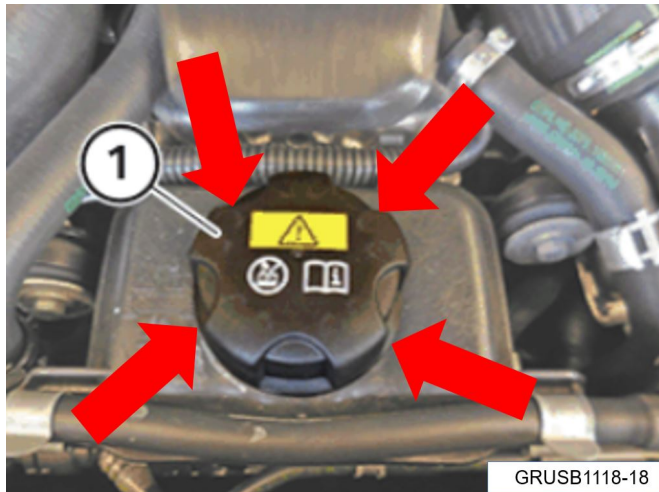
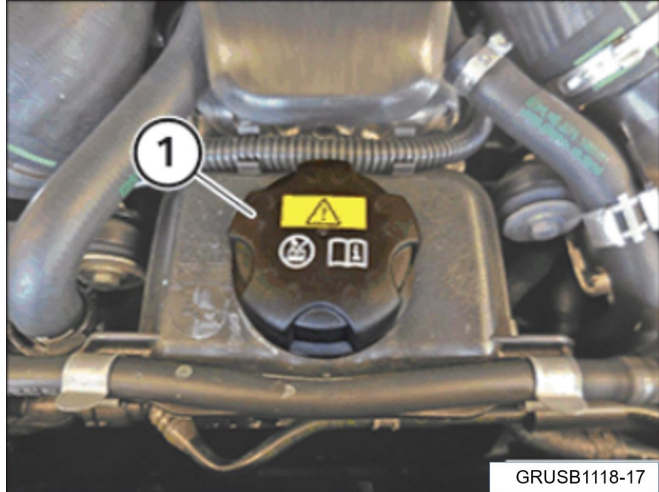
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If the lower transmission housing also has oil residue present then it has to be cleaned via the opening (1). To do so, remove the sealing cap (1) and sealing cap (2) and flush out the excess engine oil residue. The sealing cap (2) may be located on the left or the right side of the transmission housing. Reinstall both sealing caps when finished.

Section 2: Inspect and Replace the Low-Temperature Expansion Tank (For Charge Air Cooler)

Locate and inspect the low temperature cooling system cap

(1) for traces of overflowing.



Do not remove the cap, if there are traces of wet or dried coolant around the cap surface then it is overflowing. If found overflowing, replace both charge air intercoolers. If not leaking, do not replace any parts and do not drain the cooling system.

PARTS INFORMATION

Refer to the ETK and the applicable repair instructions for one-time use fasteners and/or component information regarding additional or replacement screws, gaskets, and seals that need to be installed and claimed.

Section 1 Parts List:

Part Number	Description	Quantity
11 42 7 934 655	Exhaust turbocharger oil feed line, CYL 5-8	1
11 42 7 934 654	Exhaust turbocharger oil feed line, CYL 1-4	1
07 11 9 963 072	Sealing rings for oil feed line	4
07 11 9 963 201	Sealing rings for coolant line / exhaust turbocharger	6
07 14 7 413 212	Combination Allen bolt	2 (if needed)
13 71 7 601 067	Clean air pipe seal	2 (if needed)
11 42 8 627 197	Oil feed line banjo bolt	2
31 10 6 870 648	Screw with disc for stiffening plate	12 (if needed)
07 14 9 390 155	Screw with disc for strut brace	2
51 71 6 966 566	Screw with flange for strut brace	6
07 11 9 905 147	Screw with washer for bulkhead strut brace	4
11 15 1 726 339	Hose clamp for coolant line	2

Section 2 Parts List:

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Part Number	Description	Quantity
82 14 1 467 704	Antifreeze	As needed per the Repair Instructions
17 51 9 470 800	Charge air cooler, cylinder 1-4	1
17 51 9 470 801	Charge air cooler, cylinder 5-8	1

All repairs, as needed (Sublet code 4):

Part Number	Description	Quantity
82 14 1 467 704	Antifreeze	As needed per the Repair Instructions
83 21 2 365 950	0W-30 LL01FE (12 x 1 Liter case)	As needed
	or	
83 21 2 405 849	0W-30 LL01FE (209 liter drum)	As needed
	or	
83 21 2 449 994	0W-30 LL01FE (Tanker Delivery – Liters)	As needed

All parts from these repairs are subject to 100% return and inspection at the WPRC to ensure appropriate usage of parts. Returned parts which do not meet the correct replacement criteria as described in the procedures, will be debited.

WARRANTY INFORMATION

Reimbursement for this Service Action will be via normal claim entry utilizing the following information:

Defect Code:	0011810400	
Labor Operation:	Labor Allowance:	Description:
00 66 804	Refer to KSD2/AIR	Checking the oil feed lines of exhaust turbocharger; checking traces of overflow on the expansion tank (Plus work)
Or:		
00 66 805	Refer to KSD2/AIR	Checking the oil feed lines of exhaust turbocharger; checking traces of overflow on the expansion tank and replacing both charge air coolers (Plus work)
Or:		
00 66 806	Refer to KSD2/AIR	Checking the oil feed lines of exhaust turbocharger; checking traces of overflow on the expansion tank; both charge air coolers and replacing one oil feed line (Plus work)
Or:		
00 66 807	Refer to KSD2/AIR	Checking the oil feed lines of exhaust turbocharger; checking traces of overflow on the expansion tank; both charge air coolers and replacing both oil feed lines (Plus work)
Or:		
00 66 808	Refer to KSD2/AIR	Checking the oil feed lines of exhaust turbocharger; checking traces of overflow on the expansion tank and replacing one oil feed line (Plus work)
Or:		

00 66 809	Refer to KSD2/AIR	Checking the oil feed lines of exhaust turbocharger; checking traces of overflow on the expansion tank and replacing both oil feed lines (Plus work)
And, if needed:		
00 66 810	Refer to KSD2/AIR	Additional work, cleaning the engine block (V-space) and transmission housing (Associated work)

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

And, as applicable:

Alternative Mobility Solution (AMS) for Vehicle Owners

This Service Action repair qualifies for Alternative Mobility Solution (AMS) expense reimbursement, claim this item under the Defect Code noted above as follows:

- Sublet Code 2 - Itemize the AMS sublet amount on the repair order and in the claim comment section.

Please refer to SI B01 29 16 for additional information.

Posted: Tuesday, October 30, 2018