



SI B11 16 18
Engine

December 2018
Technical Service

DELIVERY STOP: N63R AND N63M ENGINE - CHECK ENGINE OIL SUPPLY CIRCUIT FOR CONTAMINATION

New information provided by this revision is preceded by this symbol .

Please perform the procedure outlined in this Service Information on all affected vehicles before customer delivery. In the event the customer has already taken delivery of the vehicle, please perform the procedure the next time the vehicle is in the shop.

This Service Information bulletin replaces SI B11 16 18 **dated October 2018**

What's New:

- The G05 (X5) specific engine replacement labor claiming procedure has been clarified.

MODEL

G12 (7 Series) with N63R engine	G30 (5 Series) with N63R engine	G05 (X5) with N63M engine
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SITUATION

The engine oil pan and oil lubrication circuit may be contaminated with metal debris from the engine manufacturing process.

AFFECTED VEHICLES

This Recall Campaign involves G12, G30 and G05 vehicles produced from June 26th 2018 to September 24th 2018.

Vehicles which require this Recall Campaign 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

CORRECTION

Inspect the engine oil pressure sensor and solenoid valve for contamination. Repair as needed.

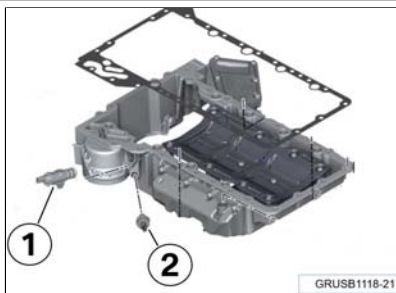
PROCEDURE

1. Remove the engine oil pressure sensor and the solenoid valve for oil pressure control as per the following repair instructions.

Repair Instruction 12 561 280 "Removing and installing/replacing oil pressure switch"

And

Repair Instruction “removing and installing/replacing solenoid (hydraulic) valve for oil pressure control”



The components are installed on the right side of the upper oil sump (oil pan)

Component overview:

- (1) Solenoid valve for oil pressure control
- (2) Oil pressure sensor

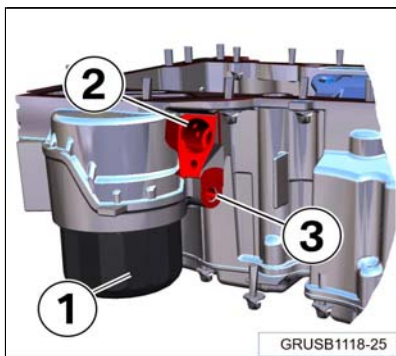


- 2. With the components removed inspect the surfaces for metallic debris.

Inspect the solenoid valve screens (1).

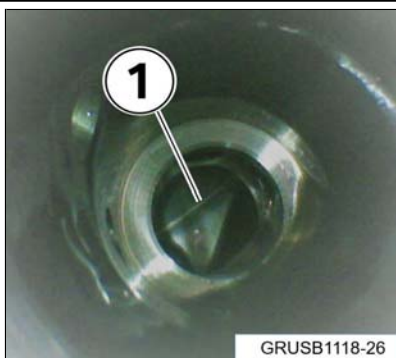
Inspect the hole in the pressure sensor (2).

The screen on the solenoid valve and the pressure sensor bore should be clean, no debris is allowed to be present.



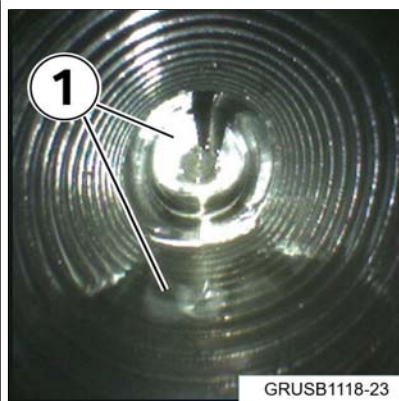
Inspection (location) overview:

- 1. Oil filter plastic cap
- 2. Solenoid valve for oil pressure control
- 3. Oil pressure sensor



- 3. Using a borescope inspect the solenoid valve machined bore in the upper oil pan.

This bore should be clean without any debris present.



4. Using a borescope inspect the oil pressure bore in the upper oil pan.

This threaded bore should be clean without any debris present.

If metallic debris is not found during the inspections (pass) then inspect the removed solenoid valve O-ring, if not damaged reinstall the solenoid valve as per the repair instructions. If the O-ring is damaged then the entire solenoid will need to be replaced using the part number found in the parts table.

Inspect the oil pressure sensor before reinstalling, if found damaged, install a new sensor using the applicable part number that is found in the parts table.

Reassemble the vehicle as per the applicable repair instructions.

If metallic debris is found during the inspections (fail) then the engine must be replaced.

Engine authorization: Create an Engine TeileClearing PuMA case with pictures of the debris that was found and wait for a response.

If you need additional assistance to determine the proper diagnosis then create an Engine TeileClearing PuMA case with pictures and wait for a response.

Refer to the applicable repair instruction to perform the engine replacement.

PARTS INFORMATION

Monitor the Parts Matrix for ordering procedure.

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.

Vehicles that **pass** the inspection:

Part Number	Description	Quantity
07 14 6 886 617	Multi-purpose bolt ASA (G05 only)	10
31 10 6 870 648	Hex bolt with washer (G12 and G30 only)	10
11 41 7 639 993	Solenoid valve for oil pressure control Only order if damage is found	1 (Only if required)

12 61 8 614 494	Oil pressure sensor (G12 and G30 only) Only order if damage is found	1 (Only if required)
12 61 8 647 488	Oil pressure sensor (G05 only) Only order if damage is found	1 (Only if required)

Vehicles that **failed** the inspection and **are already** delivered to the customer:

Part Number	Description	Quantity
Refer to ETK using the vin number of the vehicle.	Remanufactured engine	1
07 14 6 886 617	Multi-purpose bolt ASA (G05 only)	10
31 10 6 870 648	Hex bolt with washer (G12 and G30 only)	10

Vehicles that failed the inspection and are **NOT** already delivered to the customer:

Part Number	Description	Quantity
Refer to ETK using the vin number of the vehicle.	New engine	1
07 14 6 886 617	Multi-purpose bolt ASA (G05 only)	10
31 10 6 870 648	Hex bolt with washer (G12 and G30 only)	10

WARRANTY INFORMATION

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

Defect Code:	0011990400	
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Completion “before” vehicle delivery to the customer or the vehicle is already in the workshop:

Labor Operation:	Labor Allowance:	Description:
00 67 531	11 FRU (G05); 6 FRU (G12 RWD); 9 FRU (G12 xDrive and G30 xDrive)	Check oil sump for swarf (metallic debris) (No repair is necessary) (Plus work) (G05, G12 and G30)
Or:		
00 67 532	303 FRU (G12 RWD); 305 FRU (G12 xDrive); 291 (G30 xDrive)	Check oil sump for swarf (metallic debris) and replace the engine (Plus work) (G12 and G30 only)

Or:

Completion after vehicle delivery to the customer (with no other Main work will be performed/claimed)

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Labor Operation:	Labor Allowance:	Description:
00 67 019	12 FRU (G05); 8 FRU (G12 RWD); 11 FRU (G12 xDrive and G30 xDrive)	Check oil sump for swarf (metallic debris) (No repair is necessary) (Main work) (G05, G12 and G30)
Or		
00 67 020	305 FRU (G12 RWD); 307 FRU (G12 xDrive); 293 (G30 xDrive)	Check oil sump for swarf (metallic debris) and replace the engine (Main work) (G12 and G30 only)

Or, for the

G05 Only (New in-stock/vehicles already in the workshop and after delivery vehicles)

Labor Operation:	Labor Allowance:	Description:
00 67 021	Up to 310 FRU* (G05)	Work time (WT) to check oil sump for swarf (metallic debris) and replace the engine (G05 only)

***Special work time labor operation code 00 67 021 punch times' must support the FRU amount claimed and include an explanation on the repair order and in the claim comments section.**

And:

Sublet – Bulk Materials

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

BMW Antifreeze/Coolant: Claim for the amount that is needed to replace what was drained with a “50/50 coolant/water solution.”

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

And, as applicable:

Alternative Mobility Solution (AMS) for Vehicle Owners

This 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.

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If invoicing the KSD2/AIR flat rate labor operation codes for other repair work results in overlapping labor, for

those flat rate labor operations that are affected, you are able to:

- Replace the stated KSD2 “FRU allowance” with a “reduced FRU value” to eliminate the overlapping labor.

For help in identifying the overlapping labor, please refer to the AIR FRU Plausibility Check (Overlapping Labor Tool) that is located in the AIR Client.

Eligible other repair work being claimed under a different defect code will require separate punch times.

On the repair order and in the claim comment section, please identify and itemize those labor operations being claimed with a “reduced FRU value.”

Posted: Monday, December 17, 2018

ATTACHMENTS

View PDF attachment [B111618 Delivery Stop Legal](#).

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Please be reminded that it is a violation of Federal law for you to sell, lease or deliver any vehicle covered by this notification until the delivery stop repair has been performed. This means that centers may not legally deliver new motor vehicles to a consumer until it is fixed or use/sell replacement equipment/parts subject to a delivery stop. Note also that substantial civil penalties apply to violations of this law.

Also, you should not sell, lease or deliver any Certified Pre-Owned or used vehicles subject to a delivery stop until the repair is completed.