



SIB 11 19 18

2020-02-11

DELIVERY STOP: N63R AND N63M ENGINE – CHECK HIGH TEMPERATURE COOLANT SYSTEM FOR CONTAMINATION

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 (Revision 5) replaces SI B11 19 18 **dated February 2019**.

What's New (Specific text highlighted):

- Parts section is updated, the parts ordering restrictions are removed (text removed)
- Warranty

MODEL

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

AFFECTED VEHICLES

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 ISPA NEXT.

SITUATION

The engine oil to coolant heat exchanger may have an internal leak resulting in engine oil contamination of the high temperature cooling system.

CORRECTION

Inspect the high temperature engine cooling system and replace the engine oil to coolant heat exchanger.

PROCEDURE

Refer to Repair Instruction 17 00 ... **“Notes for working on the cooling system.”**

Risk of scalding: only carry out repairs on the cooling system after the engine has cooled down!

1. Inspect the high temperature cooling system expansion tank (1) for contamination of engine oil.
 - If **NO** contamination is found then go to step 2.
 - If contamination is found then go to step 3.
2. If **NO** engine oil contamination is found,
 - Replace the heat exchanger as per Repair Instruction 11 44 000 **‘Removing and installing, sealing engine oil to coolant heat exchanger’**
 - Refer to Repair Instruction 17 00 008 **‘Draining and topping up coolant for high-temperature circuit.’**
3. **Only if engine oil contamination is found in the high temperature cooling system.**

Replace the heat exchanger as per Repair Instruction 11 44 000 **'Removing and installing, sealing engine oil to coolant heat exchanger.'**

Carry out the standard scope of service, and refer to Repair Instruction 00 00 105.

Perform an oil service as per the Repair Instruction 00 00 252 **'BMW engine oil service without supplementary service.'**

Fill the high temperature circuit with water only and flush it.

- Refer to Repair Instruction 17 00 008 **'Draining and topping up coolant for high-temperature circuit.'**
- Repeat this procedure two times.

Fill the high temperature circuit with the proper mixture ratio of antifreeze and water a final time and bleed the system as per refer to Repair Instruction 17 00 008 **'Draining and topping up coolant for high-temperature circuit.'**

PARTS INFORMATION

Only use and invoice the part numbers below that apply.

Performing a part number look-up in ETK (EPC) by VIN or model in place of using/invoicing the following part numbers may result with the wrong part numbers being invoiced and installed, this could delay the payment of claim.

| Part Number | Description | Quantity |
|--------------------|---|-----------------|
| 07 11 9 963 201 | Gasket ring | 8 |
| 18 30 9 909 376 | Hex bolt | 2 |
| 07 11 9 905 693 | Hex bolt with washer | 7 |
| 07 12 9 905 536 | ISA screw | 6 |
| 07 12 9 905 423 | Torx bolt with washer | 4 |
| 07 12 9 905 386 | ISA screw | 2 |
| 07 11 9 904 024 | Hex nut | 2 |
| 11 62 8 693 121 | Exhaust manifold to cylinder head gasket | 2 |
| 11 42 8 624 158 | Gasket asbestos free | 2 |
| 11 53 8 607 960 | Hollow bolt | 4 |
| 11 44 8 603 429 | Profile gasket | 1 |
| 11 44 8 603 427 | Profile gasket | 1 |
| 11 62 8 600 289 | Exhaust manifold to turbocharger gasket | 2 |
| 18 30 7 793 766 | Muffler clamp | 2 |
| 06 32 7 651 203 | Fillister head screw | 12 |
| 11 42 7 648 914 | Heat exchanger | 1 |
| 11 65 7 620 507 | V-band clamp | 2 |
| 11 65 7 620 508 | V-band clamp | 2 |
| 11 62 7 576 992 | Hex nut with flange | 16 |
| 07 14 7 483 888 | Hex bolt | 6 |
| 07 14 7 413 212 | Hexagon screw washer assembly | 6 |
| 31 10 6 859 809 | Torx screw with collar | 4 |
| 11 42 7 844 986 | Exhaust turbocharger oil return line Cyl. 1-4 | 1 |
| 11 42 7 844 987 | Exhaust turbocharger oil return line Cyl. 5-8 | 1 |
| 11 42 7 578 079 | O-ring | 2 |
| 11 12 8 680 222 | Self-locking stud bolt | 16 |

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| | | |
|-----------------|---|---|
| 11 42 7 578 079 | Sealing ring of engine oil duct | 2 |
| 18 30 7 553 601 | Exhaust turbocharger seal / catalytic converter | 2 |
| 11 42 7 558 936 | O-ring | 2 |
| 07 11 9 963 072 | Sealing ring | 4 |
| 07 11 9 907 874 | O-ring | 1 |

And:

Only for the G05 (X5) without option S3E3A

| Part Number | Description | Quantity |
|-----------------|------------------------|----------|
| 07 14 6 886 617 | Multi-purpose bolt ASA | 10 |

Or:

Only for the G05 (X5) with option S3E3A

| Part Number | Description | Quantity |
|-----------------|----------------------|----------|
| 07 14 9 229 516 | Hex bolt with washer | 10 |

And:

Bulk materials 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) | 10 liters |
| or | | |
| 83 21 2 405 849 | 0W-30 LL01FE (209 liter drum) | 10 liters |
| or | | |
| 83 21 2 449 994 | 0W-30 LL01FE (Tanker Delivery – Liters) | 10 liters |

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.

WARRANTY INFORMATION

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

| | | |
|---------------------|-------------------|---|
| Defect Code: | 0011090500 | G0x G1x G3x N63 Replace engine oil coolant, heat exchanger |
|---------------------|-------------------|---|

Completion before vehicle delivery to the customer or the vehicle is already in the workshop:

| Work Pkg | Labor Operation | Description (Plus work) | Labor Allowance |
|----------|-----------------|---|----------------------------------|
| # 1 | 00 67 659 | Check the coolant and replace the oil-to-water heat exchanger (Plus | 119 FRU (G12); 107 FRU (G30); |

| | | | |
|-----|-----------|--|---|
| | | work) | 117 FRU (G05) |
| Or: | | | |
| # 2 | 00 67 660 | Check the coolant, replace the oil-to-water heat exchanger, carry out the engine oil change and flush high-temperature coolant circuit (Plus work) | 128 FRU (G12); 116 FRU (G30); 126 FRU (G05) |
| Or: | | | |
| # 3 | 00 67 750 | The oil-to-water heat exchanger was replaced with another repair. (Example: engine replacement) (Plus work) | 1 FRU |

Or:

The vehicle arrives at your center and this Action shows open (No other Main work will be performed/claimed during this workshop visit)

| Work Pkg | Labor Operation | Description (Main work) | Labor Allowance |
|----------|-----------------|--|---|
| # 4 | 00 67 121 | Check the coolant and replace the oil-to-water heat exchanger (Main work) | 121 FRU (G12); 109 FRU (G30); 118 FRU (G05) |
| Or: | | | |
| # 5 | 00 67 122 | Check the coolant, replace the oil-to-water heat exchanger, carry out the engine oil change and flush high-temperature coolant circuit (Main work) | 130 FRU (G12); 118 FRU (G30); 128 FRU (G05) |
| Or: | | | |
| # 6 | 00 67 181 | The oil-to-water heat exchanger was replaced with another repair. (Example: engine replacement) (Main work) | 1 FRU |

Only one of the flat rate unit numbers above can be used for claim submission/reimbursement purposes.

Claim Repair Comments

Only reference the SIB number and the work package (Pkg) number performed in the RO technician notes and in the claim comments (For example: B11 19 18 WP 1), unless otherwise required by State law.

And:

Sublet – Bulk Materials (RO and Claim Comments Required)

| | | |
|----------------------|----------------|--|
| Sublet Code 4 | Up to \$100.00 | Reimbursement for the repair-related bulk materials (Do not use part numbers for claim submission) |
|----------------------|----------------|--|

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 (RO and Claim Comments Required)

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.