



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
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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
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
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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
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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 work)	119 FRU (G12); 107 FRU (G30); 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	130 FRU (G12); 118 FRU (G30); 128 FRU (G05)

		high-temperature coolant circuit (Main work)	
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)
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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 (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.