



SI B17 01 18
Cooling Systems

April 2018
Technical Service

HEATER HOSE IS CONTACTING THE STEERING SHAFT

MODEL

G12 (740 Li and 740 Li xDrive Sedans)	G30 (540i and 540i xDrive Sedan)	G32 (640 xDrive GT)	
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With the B58 engine

SITUATION

The customer may complain of a coolant leak from the front of the vehicle, or a noise when turning the steering wheel. The customer may also complain of a low coolant check control message.

CAUSE



The steering shaft can contact the heater hose, possibly wearing through the hose.

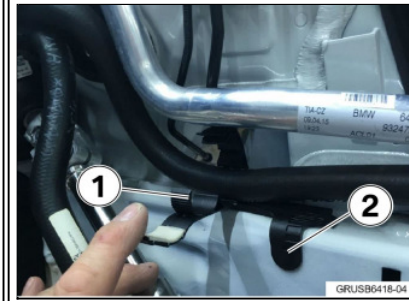
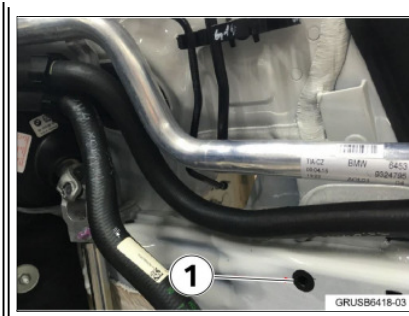
CORRECTION

Install a hose retaining bracket to position the hose away from the steering shaft. Replace the heater hose if already damaged.

PROCEDURE

1. Remove the DME control unit box following Repair Instruction **REP 12 90 150 "Remove and install/replace control unit box."**

1. Remove the plug (1) from the driver side body rail.



2. Install the hose bracket (1) and secure it with a push rivet (2). If the heater hose is not damaged, continue to Step 5.

- 3. If the heater hose is damaged, replace the heater hose. Remove the expansion valve to gain access to the hose clamp at the heater core, following Repair Instructions **64 51 525 “removing and installing/replacing expansion valve (without drawing off, evacuating and filling)”**.
- 4. Bleed the cooling system after replacing the hose following Repair Instruction **17 00 039 Vent the cooling system and check for watertightness with the special tool**.



5. Secure the heater hose and A/C line into the bracket (1).

PARTS INFORMATION

Part Number	Description	Quantity
64 21 9 128 983	Hose clamp, double (bracket)	1
And if hose is damaged:		

Refer to ETK	Coolant hose, return	1
Refer to ETK	Expansion valve gasket ring	1
Refer to ETK	Expansion valve gasket ring	1
Refer to ETK	Refrigerant line gasket ring	1
Refer to ETK	Refrigerant line gasket ring	1
Bulk Materials		
83 19 2 287 039	Refrigerant R1234yf (1 oz. unit)	# As needed
83 22 2 339 920	Refrigerant oil	As needed
82 14 1 467 704	Antifreeze	As needed

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Only one Main labor operation can be claimed per repair visit. All other labor operations on the same line or other lines must be claimed using Plus or Associated code labor operations

Defect Code:	6421004800	
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Installing the Hose Bracket only

Labor Operation:	Labor Allowance:	Description:
64 99 000	10 FRU (G12); 8 FRU (G30, G32)	Work time to install the hose bracket (Main work)
Or:		
64 99 000	9 FRU (G12); 7 FRU (G30, G32)	Work time to install the hose bracket (Plus work)

Or:

Installing Hose Bracket and Replacing a Damaged Heater Hose

G12 (740 Li and 740 Li xDrive Sedans)

Labor Operation:	Labor Allowance:	Description:
64 21 071	Refer to KSD2	Replacing warm water (supply) hose for heater (Includes removing and installing expansion valve discharging, evacuating and filling air conditioner, replacing the "drained quantity" of coolant and installing the hose bracket) (Main work)
Or:		

64 21 571	Refer to KSD2	Replacing warm water (supply) hose for heater (Includes removing and installing expansion valve discharging, evacuating and filling air conditioner, replacing the “drained quantity” of coolant and installing the hose bracket) (Plus work)
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Or, for the:

G30 (540i and 540i xDrive Sedan) and the G32 (640 xDrive GT) - Temporary Procedure

Labor Operation:	Labor Allowance:	Description:
64 50 010	Refer to KSD2	Discharging, evacuating and filling air conditioner (Main work)
Or:		
64 50 510	Refer to KSD2	Discharging, evacuating and filling air conditioner (Plus work)
And:		
64 51 525	Refer to KSD2	Removing and installing expansion valve
And:		
64 99 000	27 FRU	Work time for replacing warm water (supply) hose for heater (Includes replacing the “drained quantity” of coolant and installing the hose bracket) (Associated work with 64 50 010/510 and 64 51 525)

Work time labor operation code 64 99 000 in the temporary procedure 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. However, it still requires an explanation on the repair order and in the claim comments section.

Flat rate labor operation codes (Main and Plus) for the G30 and G32 work procedure will be included in the KSD2 05/18 release. When they become available, please use and submit for the one that applies in place of claiming the labor operations that are provided in the temporary procedure above.

And:

Sublet – Bulk Materials for Hose Replacement

Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for the repair-related bulk materials (excluding R1234yf), please, do not use these 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 was 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.

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