

SB-10053584-1434



SI B11 05 13
Engine

September 2013
Technical Service

SUBJECT

Turbocharger Coolant Return Pipe Leaking

MODEL

F06 M6

F10 M5

F12 M6

F13 M6

Produced to 2/27/2013

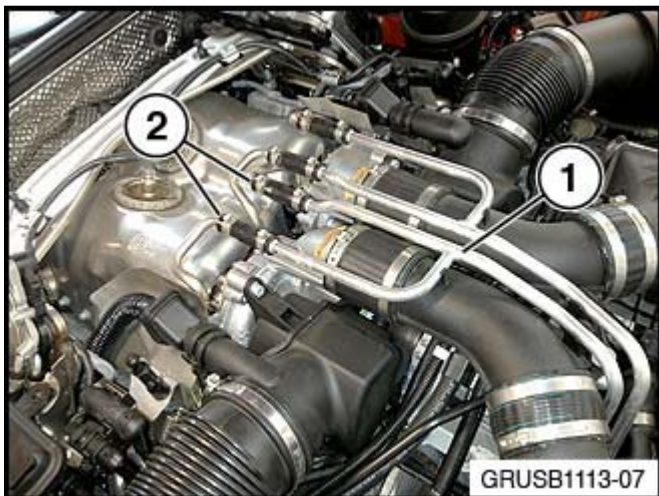
With S63T engine

SITUATION

A Check Control message for low coolant level is displayed. There are traces of coolant leaking in the engine compartment at the turbochargers.

CAUSE

The auxiliary coolant pump for the turbochargers does not run during an MSA shutdown. Frequent MSA starts and stops could result in excessive temperatures in the cooling circuit of the turbochargers.

CORRECTION

Verify the coolant leak is coming from the coolant return line of the turbochargers (1). Replace the line and clamps (2).

Reprogram the vehicle with ISTA/P 2.49.0 or higher. This latest programming will enable the auxiliary coolant pump to run during an MSA shutdown.

Note that ISTA/P will automatically reprogram and code all programmable control modules that do not have the latest software.

For information on programming and coding with ISTA/P, refer to Center Net / Aftersales Portal / Service / Workshop Technology / Vehicle Programming.

Note: When the ISTA system message displays: Battery voltage only “XX.XX” V. Please connect charger. Please note the displayed battery voltage reading in the repair order comments section. This documentation is not necessary when part of an approved Technical Service repair procedure; the battery charger is required to be attached before performing the Vehicle Test.

PARTS INFORMATION

Part Number	Description	Quantity
11 53 7 844 269	Coolant return pipe	1
32 41 1 131 346	Hose clamp	2

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty.

Defect Code:	11 53 14 48 00	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
and if necessary, also		
61 21 528	Refer to KSD2	Charging battery
and		
11 53 946	Refer to KSD2	Replace coolant return hose
and		
17 00 508	Refer to KSD2	Draining and refilling cooling system
and		
61 00 730	Refer to KSD2	Programming/encoding control unit(s)
and		
Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for replacing the drained quantity of antifreeze/coolant (bulk container reference BMW P/N 82 14 1 467 704, one gallon container. Do not use this part number for claim submission.)

Labor operation code 00 00 006 is a main labor operation. If you are using a main labor code for another repair, use the plus code labor operation 00 00 556 instead.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowance. Enter the Chassis Number, which consists of the last 7 digits of the Vehicle Identification Number (VIN). Click on the “Search” button, and then enter the applicable flat rate labor operation in the FR code field.

Sublet calculation: Replacing the quantity of BMW antifreeze/coolant (bulk container reference P/N 82 14 1 467 704) that had to drained to replace the coolant return pipe (50/50 mixture) at dealer net plus handling. Enter this material cost in sublet and itemize the amount in the claim comment section.

If a control module, which was working properly and/or had no stored faults prior to programming, fails to program correctly or requires initialization, this additional work must be claimed with separate labor operations under the defect code listed above; refer to KSD2.

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