



SIB 12 33 14

2020-02-06

Fault Code 1D2008 Stored in DME

This Service Information Bulletin (Revision 5) replaces SI B12 33 14 **dated February 2016**.

What's New (Specific text highlighted):

- Part Information updated
- Warranty Information updated
- F31 added to Model

MODEL

F22 (2 Series)	F25 (X3 Sports Activity Vehicle)	F26 (X4 Sports Activity Coupe)	F30 (3 Series Sedan)
F31 (3 Series Touring)	F32 (4 Series Coupe)	F33 (4 Series Convertible)	F34 (3 Series Gran Turismo)
F36 (4 Series Gran Coupe)			
All with automatic transmission			

SITUATION

The Service Engine Soon light is on. Fault Code 1D2008: "Map thermostat: jammed open" is stored in the DME. There may also be a complaint of low heat output with lower outside temperatures.

CAUSE

During the engine warm-up, the engine coolant does not reach operating temperature within the DME's allowable time limits.

This is caused by either a faulty thermostat inside the transmission oil heat exchanger or a faulty engine characteristic map thermostat.

PROCEDURE

Note: The following checking procedure must be performed on a cold engine.



Remove the front underbody protection panel (tightening torque of screws is 3 Nm) to access the cooling lines to the transmission oil heat exchanger (1).

Note: All illustrations were taken on an F30 328xi N20.

Clamp off the outflow hose (1) on the cooler with special tool 81 64 2 184 117 (SI B04 07 11).



- The outflow hose is the softer (rubber) of the two cooling lines on the heat exchanger



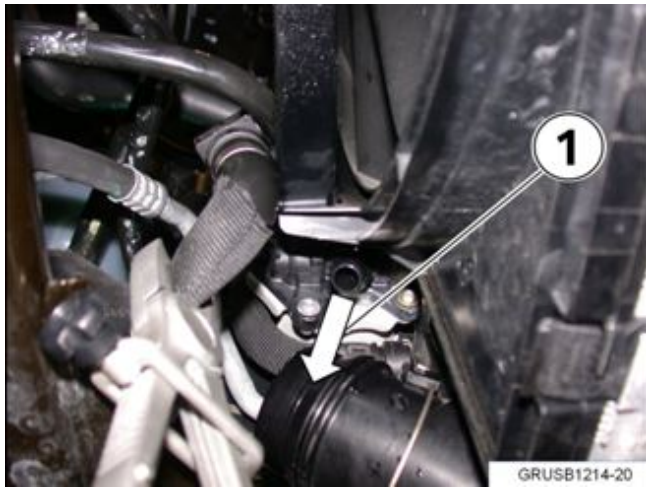
After clamping, remove the outflow hose from the heat exchanger (1).



Loosen the cap on the coolant expansion tank (1).

If any coolant starts leaking out of the transmission heat exchanger (1), the internal thermostat is jammed and the heat exchanger will need to be replaced.

Follow Repair Instruction RA 17 22 010, "Removing and installing/replacing transmission oil cooler for automatic transmission (N20, N26, N55)."



PARTS INFORMATION

Obtain and confirm the part numbers for your specific vehicle by entering the chassis number in either ETK or AIR which takes into account specific equipment and/or options.

Part Number	Description	Quantity
Refer to ETK	Heat exchanger (transmission 2, 3 or 4 Series)	1*
Or:		
Refer to ETK	Thermostat	1*

* If needed

Bulk Materials

Part Number	Description	Quantity
83 22 2 289 720	ATF 3+: up to 2 Liters	Qty in sublet
82 14 1 467 704	Antifreeze (1 Gallon)	Qty in sublet

WARRANTY INFORMATION

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

Defect Code:	1721014800	Heat exchanger, automatic transmission fluid, coolant not leaktight
Labor Operation	Description	Labor Allowance
17 22 010	Replacing heat exchanger for automatic transmission (Includes 00 11 237/500: checking/topping up automatic transmission fluid level which includes performing a Vehicle Test and charging the battery) (Main work)	Refer to AIR
Or:		
17 22 510	Replacing heat exchanger for automatic transmission (Includes 00 11 237/500: checking/topping up automatic transmission fluid level which includes performing a Vehicle Test and charging the battery) (Plus work)	Refer to AIR
And:		
17 99 000	Work time for checking the function of the thermostat in the transmission heat exchanger	4 FRU

If you are using a Main labor code for another repair, use the Plus code labor operation 17 22 510 instead of 17 22 010.

And, as needed:

Sublet – Bulk Materials

Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for the used quantity of transmission fluid (Bulk container reference P/N 83 22 2 220 439 for 20 liters or P/N 83 22 2 220 443 for one liter). Please do not use these part numbers for claim submission.
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Sublet calculation: Reimbursement for used quantities of transmission fluid (P/N 83 22 2 220 439 for 20 liters or P/N 83 22 2 220 443 for one liter) at dealer net plus handling.

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

Or:

Defect Code:	1153129600	Characteristic map, thermostat, heating fault in diagnostic memory (warning light lights up)
Labor Operation	Description	Labor Allowance
00 00 006	Performing vehicle test (with vehicle diagnosis system – checking faults) (Main work)	Refer to AIR
Or:		
00 00 556	Performing vehicle test (with vehicle diagnosis system – checking faults) (Plus work)	Refer to AIR
And:		
61 21 528	Connect an approved battery charger/power supply (indicated in AIR as Charging battery)	Refer to AIR
And		
17 99 000	Checking the function of the thermostat in the transmission heat exchanger	4 FRU
And:		
11 53 500	Replacing coolant thermostat	Refer to AIR

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead of 00 00 006.

And, additionally for the:

e-Vehicles

Labor Operation	Description	Labor Allowance
61 25 910	Recharging high-voltage battery unit (to high voltage charging socket)	Refer to AIR

Refer to AIR for the corresponding flat rate unit (FRU) allowance.

Labor operation code 17 99 000 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.

And, as needed:

Sublet – Bulk Materials

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. Please do not use this part number for claim submission.)
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Sublet calculation: BMW antifreeze/coolant (1 gallon bulk container reference P/N 82 14 1 467 704) for approximately 1 liter that is needed for this repair (50/50 mixture) at dealer net plus handling.

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