

Engine Does Not Heat Up To Operating Temperature

Topic number	LI20.00-P-063327
Version	4
Function group	06.50 Cooling
Date	08-14-2017
Validity	All vehicles with an M133 engine
Reason for change	
Reason for block	

Complaint:

Check Engine Light/ Engine does not heat up

NOTE:

Check engine light may illuminate with possible fault code: P012800 - "The coolant temperature is below the coolant thermostat specified temperature." stored in the engine control unit.

Cause:

Various causes

Remedy:

Perform the following operations:

1.) Perform guided test for fault code: P012800

Strict compliance with operation steps in XENTRY/DAS is absolutely essential.

Note:

Use Xentry/DAS version 07/2017 with AddOn 8036 or higher

Regardless of the result:

Check software release of engine control unit; update if necessary

2.) If complaint still exists or vehicle returns with the same complaint:

- Drain coolant, check condition of coolant and take photos
- Thoroughly flush cooling system; it is essential to flush heater cooler in both directions.
- Remove coolant thermostat and document production date or take photo
- Replace coolant thermostat

Note:

XENTRY TIPS

Please attach the photos, the results of the coolant check and the production date of the thermostat with the repair order/ claim.

Symptoms
Power generation / Engine cooling system / Function / Does not reach operating temperature

Control unit/fault code		
Control unit	Fault code	Fault text
N3/10 - Motor electronics 'MED40AMG' for combustion engine 'M133' (ME)	P012800	The coolant temperature is below the coolant thermostat specified temperature. _

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 270 200 06 15			Coolant thermostat	1		X

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			20102 52	