

Check Engine Lamp Illuminated - DTC: P012800 - Thermostat sticks in open state

Topic number	LI20.10-P-063817
Version	3
Design group	20.10 Coolant pump, coolant thermostat
Date	06-19-2017
Validity	Engine 270 and engine 274 in vehicle production period 6/1/2015 to 03/ 31/2017
Reason for change	Model Validity Range Updated
Reason for block	

Complaint:

Check Engine Lamp Illuminates - The DTC: P012800 "The coolant temperature is below the coolant thermostat specified temperature" is stored in the engine control unit.

Cause:

Upon starting the engine; the engine coolant warms up at a slower rate than the specified curve stored in the engine control unit.

Remedy:

The coolant thermostat does not need to be replaced.

Make sure that the following versions of Xentry Diagnostics/ Xentry DAS are being used:

Use DVD (03/2016) + add-on 5554 or a higher Xentry Diagnostics/ DAS version.

Perform the guided test for fault code P012800.

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

Regardless:

Programming of the air conditioner control unit must be completed. Program air conditioner control unit and engine control unit with DVD 03/2016 or higher.

Note: Programing must be performed, but does not replace the steps in the diagnosis process of ensuring the functionality of the coolant pump and/or thermostat.

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

XENTRY TIPS

Control unit/fault code		
Control unit	Fault code	Fault text
N3/10 - Motor electronics 'MED40' for combustion engine 'M274' (ME) (GLK (204), CLS (218), A (176), E (213), E (212), B (242, 246), CLA (117), SLK/SLC 172, GLA (156), C (205), E (207), C (204), GLC (253))	P012800	The coolant temperature is below the coolant thermostat specified temperature. _

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
54-0650	12V			
54-1011	QT			
07-0641	GUIDED TEST			
54-0991	SOFTWARE			

Validity		
Vehicle	Engine	Transmission
*	274	*
*	270	*