

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

Topic number	LI20.10-P-063817
Version	5
Function group	20.10 Coolant pump, coolant thermostat
Date	03-26-2018
Validity	Engine 270 and engine 274 with engine manufacturing date as of 06/2016.
Reason for change	Udated Damage Codes
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:

NOTE: In vehicles prior to production date 05/2017: Reprogram engine control unit with BD/DVD 05/2017 or higher

REMEDY: Erase fault memory and perform a test drive when the engine has cooled down.

If the fault re-occurs afterwards:

- Perform guided test "Check component 'R48 (coolant thermostat heating element)'"
- Generate a new quick test (with fault freeze frame data)
- Create a PTSS case and send it with attachment's from above with respective results to market support.

Symptoms
Power generation / Engine cooling system / Function / Does not reach operating temperature
Body / Air conditioning / Heater / Insufficient heat output
Power generation / Engine management / Indicator lamp / Engine diagnosis / lit

Control unit/fault code		
Control unit	Fault code	Fault text
N3/10 - Motor electronics 'MED40' for combustion engine 'M274' (ME)	P012800	The coolant temperature is below the coolant thermostat specified temperature. _

XENTRY TIPS

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
54-1011	PERFORM QT		54575 90	If test "Check component 'R48 (coolant thermostat heating element)'" is OK
54-0991	PROGRAM CONTROL UNIT (AFTER QUICK TEST)		54575 90	
54-0650	12V			
07-0641	GUIDED TEST			

Validity		
Vehicle	Engine	Transmission
*	270	*
*	274	*