

Check engine light illuminated, Fault P012800. M274 Hybrid

Topic number	LI20.10-P-074508
Version	1
Function group	20.10 - Coolant pump, coolant thermostat
Date	7/13/22
Validity	Models 205 and 253 plug-in hybrid
Reason for change	

Complaint

Check engine lamp illuminated.

Fault code stored P012800-The coolant temperature is below the coolant thermostat specified temperature.

Cause

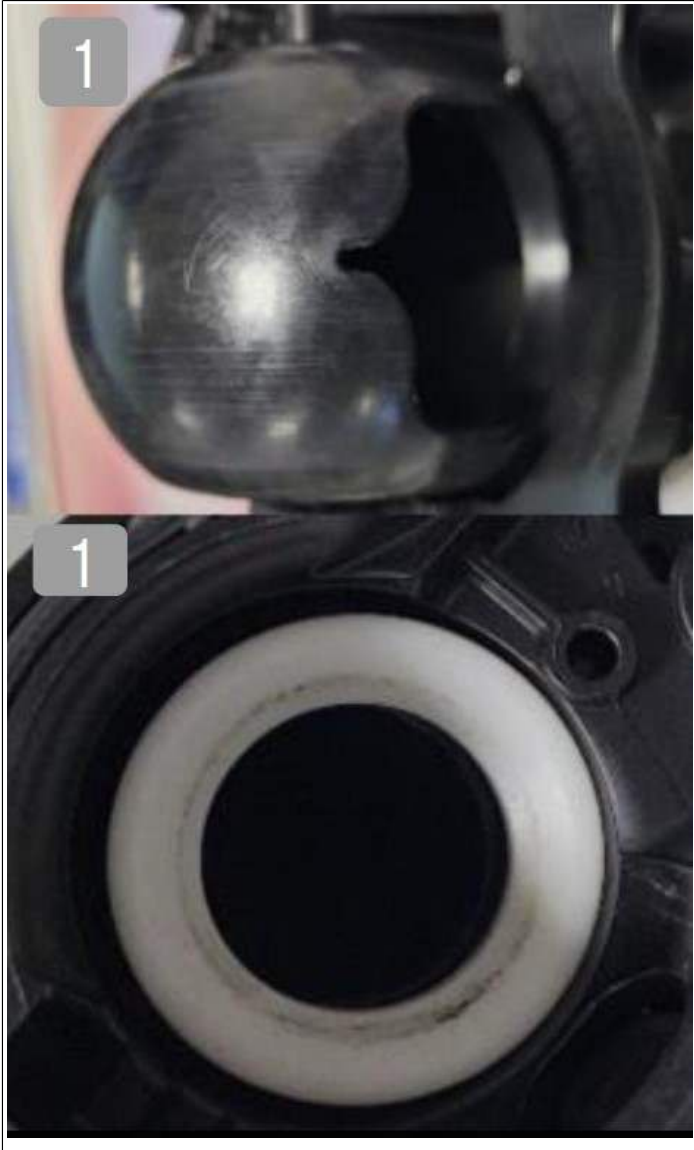
Various possible causes

Remedy

- 1- Update HVAC with latest software
 - 2- Perform guided test for fault P012800 and performed repairs per XENTRY diagnosis.
- If thermostat requires replacement flush cooling circuit in both directions with 150L of water.

Note- If the guided test passes no repair should be performed. SW update is in development for ME control unit to resolve this fault.

Attachments	
File	Description
Thermostat ball NOK.jpg	



WIS-References		
Document number	Title	Note
ar20.00-p-1142lw	Drain/pour in coolant	
ar20.10-p-2460mra	Remove/Install coolant thermostat	
ar15.60-p-2711mra	Remove/install coolant temperature sensor	

Symptoms	
Power generation > Engine cooling system > Function > Does not reach operating temperature	
Power generation > Engine management > Indicator lamp > Engine diagnosis > lit	
Control unit/fault code	
Control unit	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