

M256 Red coolant warning, Fault code U019F00 or U019F87 in MRG1

Topic number	LI20.10-P-075374
Version	1
Function group	20.10 - Coolant pump, coolant thermostat
Date	10/11/22
Validity	Passenger car with M256 before engine number 2569xx30 599756
Reason for change	

Complaint

Red coolant warning in instrument cluster.

Fault codes U019F00 or U019F87 current/stored in MRG1 control unit.

Cause

Various causes

Remedy

Perform guided test for fault code U019F with XENTRY diagnosis.

Verify the following connections are clean and tight. Correct any problems and retest pump actuation:

- 12V plug at M75/11
- 48V plug at M75/11
- 48V connector X192/4
- Connections at 48V fuse box F153/2
- Sockets 1,2, and 5 at connector 2 of MRG1 control unit
- M75/11 circuit 41 ground

If actuation and above connections are OK, but resistance between M75/11 and engine block is less than 2 ohms or heat shield touching coolant pump, proceed with below steps.

1-Modify engine insulation per attached instructions.

2-Remove engine control module and measure continuity within control unit between connector 2 pin 1 and connector 6 pin 2.

2a-If open circuit is found in control unit replace engine control unit (MRG1) and perform initial startup. Refer to XENTRY parts information group 54/054 item 300.

XENTRY TIPS

3-Clear faults and verify M75/11 operating normally.

Attachments	
File	Description
Repair instruction electrical coolant pump M256.pdf	

WIS-References		
Document number	Title	Note
AR20.10-P-1281MSA	Remove/install electric coolant pump	Models 213, 238, 257, 290
AR20.10-P-1281MSC	Remove/install electric coolant pump	Model 167
AR20.10-P-1281SB	Remove/install electric coolant pump	Model 223

Symptoms
Power generation > Engine cooling system > Indicator lamp > Illuminates red

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