

Yellow coolant warning displayed, Faults P0A0500, P00B700, or P0C7300 stored

Topic number	LI20.00-P-074205
Version	1
Function group	20.00 - General
Date	7/19/24
Validity	205, 213, and 253 vehicles with engine M264
Reason for change	

Complaint

Yellow Coolant warning comes on in cluster

Fault codes below are current or stored in MED41

P0A0500- The actuation of the circulation pump for the low-temperature circuit has an open circuit.

P00B700- The coolant flow is too low.

P0C7300- Circulation pump 1 for the low-temperature circuit has a malfunction.

Cause

Air may be trapped in the coolant circuit for transmission cooler

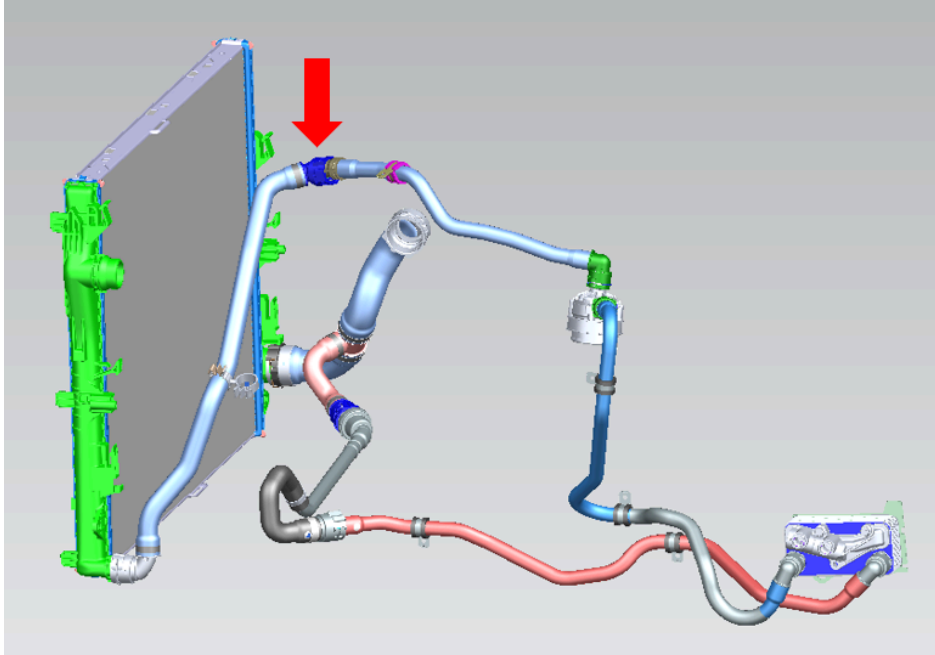
Remedy

Check coolant level.

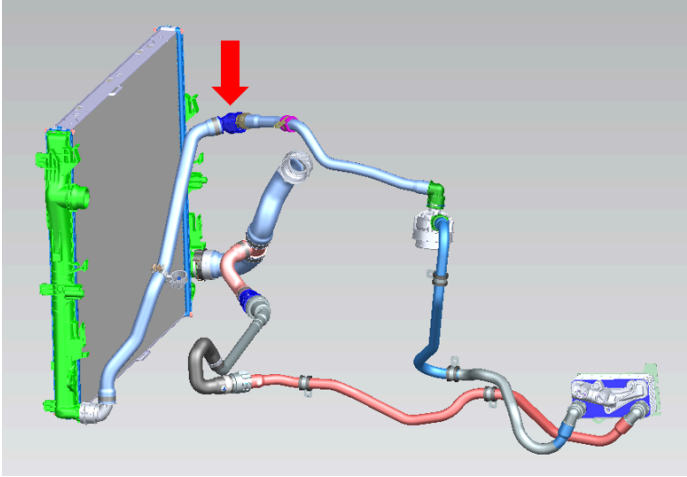
-If coolant level is low, locate source of leak and correct.

-If coolant level is ok, perform procedure in attached instructions to bleed the coolant circuit to transmission cooler.

1. Allow cooling system to cool to ambient temperature.
2. Fill coolant reservoir completely.
3. Slightly open coolant connection shown in attachment (red arrow) to allow air to escape.
4. Once coolant flows out, close connection and correct coolant level.
5. Clear fault codes and check for further symptoms.



Note: Cooling system should always be filled with vacuum procedure described in WIS AR20.00-P-1142-04OLC.

Attachments	
File	Description
Coolant connection.PNG	Disconnection point
	

Disclaimer

NOTE: The information contained in this document is intended for use by trained, professional technicians with the knowledge to properly and safely perform diagnosis and repairs on Mercedes-Benz vehicles, using Mercedes-Benz approved tools and equipment. It informs service technicians about conditions that could occur in certain vehicles and provides information that could assist in proper vehicle diagnosis, service, or repair. It does not indicate that a defect is present in any vehicle referenced in this document nor does it imply warranty coverage. DO NOT assume that a symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or groups of vehicles, or that a described repair applies to any particular vehicle or groups of vehicles. There can be multiple causes resulting in the same or similar symptoms or conditions described in this document, and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis. The information contained in this document does not guarantee warranty coverage nor does it extend the vehicle's warranty in any way.

XENTRY Tips

Symptoms

Power generation > Engine cooling system > Indicator lamp > Illuminates yellow

Control unit/fault code

Control unit	Fault text
N3/10 - Motor electronics 'MED41' for combustion engine 'M260/M264' (ME) (MED41)	P0C7300 - Circulation pump 1 for the low-temperature circuit has a malfunction. _
N3/10 - Motor electronics 'MED41' for combustion engine 'M260/M264' (ME) (MED41)	P0A0500 - The actuation of the circulation pump for the low-temperature circuit has an open circuit. _ P00B700 - The coolant flow is too low. _

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
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