

All M176 and M177 Engines With Oil Leaks At Cylinder Head Cover Area

Topic number	LI01.20-P-080884
Version	1
Function group	01.20 - Crankcase ventilation, cylinder head cover
Date	8/12/26
Validity	All M176 and M177 Engines in all models
Reason for change	

Complaint

Oil leaks found on M176 or M177 engines diagnosed to be from the cylinder head cover area

Cause

Unknown (under investigation)

Remedy

If oil leaks are found at left or right cylinder head cover area please collect the following information and open TIPS case.

1. Collect photos of the leak
2. Include close up and wide view photos to accurately represent the location
3. Include if the vehicle has a "check oil level" Light on in the cluster or fault codes
4. Check oil level as per WIS to verify level and calculate possible oil loss from the leak
5. Identify and communicate the severity of the leak and provide supporting documentation
6. Open a TIPS case with the above information and submit to the Powertrain team for processing

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.

Symptoms

Power generation > Engine lubrication/oil cooling > Leakage > External oil loss

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
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