

CHECK ENGINE LIGHT (CEL) ON AND LOW COOLANT INDICATOR LAMP LIGHTS UP

TECHNICAL SERVICE BULLETIN

Reference Number(s): LI01.30-P-051567 Version 1, Date of Issue: April 14, 2011

Mercedes-Benz: M156 up to engine # 569xx 60 060658

Design Group: 01.30 Cylinder head

Reason For Change:

Related Ref Number(s): LI01.30-P-051567

ARTICLE BEGINNING

COMPLAINT

CEL illumination, engine misfire, stalling, rough running low coolant indicator lights up.

No external coolant loss detectable. Coolant in the engine oil and/or in the combustion chamber

CAUSE

Cylinder head bolt broken. Engine coolant enters into engine oil. Coolant might be present in the combustion chamber. Affected engine number up to 1569xx 60 060658

REMEDY

1. Remove cylinder heads.
2. Measure piston deck height (specified value: 0.18 mm +/- 0.05 mm). If the measurement from the top surface of the cylinder crankcase to the top surface of the piston is outside of the specification (the maximum deck height is 0.23 mm), the affected connecting rod with piston and bearings must be replaced.
3. Replace all cylinder head bolts.
4. Replace all hydraulic tappets.
5. Change engine oil and filter and replenish engine coolant.
6. Another oil change must be performed after about 15 mile test drive (engine must run at operating temperature).

SYMPTOMS

SYMPTOMS

Power generation / Engine lubrication/oil cooling function / Oil level too high / Engine lubrication/oil cooling /
Power generation / Cooling system indicator lamp / Illuminates yellow / Engine cooling /
Power generation / Cooling system indicator lamp / Illuminates red / Engine cooling /
Power generation / Cooling system function / Coolant level too low / Engine cooling /
Power generation / Cooling system display / Coolant - Serviced Required / Engine cooling /

PARTS**PARTS**

Part number	Designation	Qty	Note	EPC	Non- EPC
N 000000 005754	Bolt	4		X	
A 156 016 07 69	Bolt	20		X	
A 156 016 04 20	Left cylinder head gasket	1		X	
A 156 016 00 20	Right cylinder head gasket	1		X	

WORK UNITS**WORK UNITS**

Op. no.	Operation text	Time	Damage code	Note
			01203 06	

WIS-REFERENCES**WIS-REFERENCES**

Document number	Title	Note	Allocation
AP18.00-P-0101GZS	Engine oil and filter change	M156 in model series 209, 164, 251	Remedy
AP18.00-P-0101SMG	Engine oil and filter change	M156 in model series 216, 221	Remedy
AP18.00-P-0101TMG	Engine oil and filter change	M156 in model series 211, 219	Remedy
AR01.30-P-5800GZS	Remove/install cylinder head	M156 in model series 164, 251	Remedy
AR01.30-P-5800SMG	Remove/install cylinder head	M156 in model series 221, 216	Remedy
AR01.30-P-5800TMG	Remove/install cylinder head	M156 in model series 211, 219, 209	Remedy

© 2008 Mitchell Repair Information Co., LLC.