# 2009 Mercedes Benz ML63 AMG Check Engine Light and Low Coolant Light On

The AERA Technical Committee offers the following information regarding the engine malfunction light and low coolant lamp on. Customers may experience and check engine light on or engine misfire, stalling rough running or low coolant indicator light on.

There have been no reports of external coolant leakage but, it may be possible depending on severity of this condition. Coolant has been reported in the engine oil and/or in the combustion chamber. The cause of this issue has been traced back to a broken head bolt(s). Broken bolts reduce clamping load, allowing coolant to enter the engine and/or the combustion chamber.

Solution:

- Remove valve covers, verify broken head bolts.
- Remove cylinder heads.
- Measure piston deck protrusion (specified value: .0051-.0090 (.13-.23 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 .0090" (.23 mm), the affected connecting rod with piston and bearings must be replaced.
- Replace all cylinder head bolts.
- Replace all hydraulic tappets.
- Change engine oil and filter and replenish engine coolant.
- Another oil change must be performed after about a 15-mile test drive (engine must run at operating temperature).

| Part Number | Designation | Quantity |
|---|---|---|
| N 000000 005754 | Bolt | 4 |
| A 156 016 07 69 | Bolt | 20 |
| A 156 016 04 20 | Left Cylinder Head Gasket | 1 |
| A 156 016 00 20 | Right Cylinder Head Gasket | 1 |