



Mercedes Benz

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Revision:

**SUBJECT: MODELS 215.378 AND 220.178 WITH ENGINE M137
ENGINE RUNNING COMPLAINTS IN CONJUNCTION WITH BLUE SMOKE AND/OR HYDROCARBON
ODORS SMELLS DURING FIRST START UP**

If you receive customer reports in the above model vehicles equipped with engine M137 of engine running complaints in conjunction with blue smoke for several seconds during engine first start-up, hydrocarbon odors during engine first start-up, or an excessive amount of standing oil in the intake manifold, please refer to the following cause and remedy.

Cause: PCV (positive crankcase ventilation) System intake assembly (front cover, right cylinder head) oil condensation clogged with oil sludge. Refer to Figure 1 for part location.

Remedy: Remove and disassemble the front cover assembly of the right cylinder head. Refer to WIS document no. [AR01.30-P-6700L](#), up to and including step no. 14, for R&R of the front cover assembly of the right cylinder head. Inspect oil condensation drain for clogging (Figure 2) and clean out the oil sludge blocking the drain. Reassemble and reinstall the front cover assembly of the right cylinder head.



Figure 1

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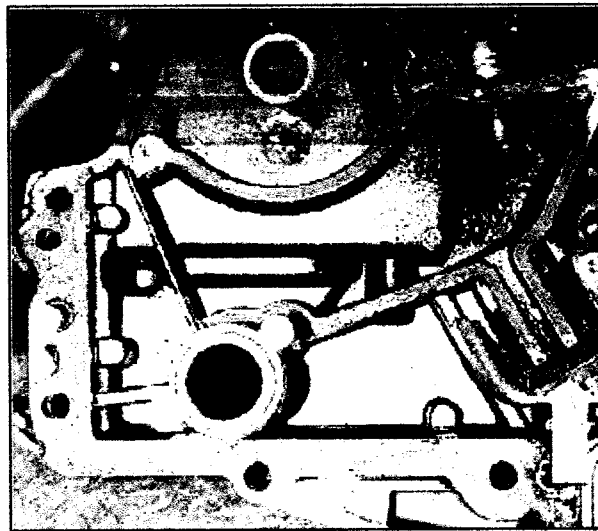


Figure 2

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i Note:

When performing oil and oil filter change, ensure not to overfill the crankcase with engine oil. Refer to the Approved