

View Measure M**Measure no.**

29604954-01

Subject

Diagnostics for engine oil level sensor QLT/TÖNS

Release date (mm/dd/yy)

3/31/10

Status

Approved

Organization**Vehicles affected****E series**

E60 E61 E63 E64 E65
 E66 E67 E68 E70 E71
 E72 E81 E82 E83 E84
 E85 E86 E87 E88 E89
 E90 E91 E92 E93 F01
 F02 F03 F04 F07 F10
 F11

Engine

M47/T2 M47/TU M47DO2 N43 N45
 N45T N46 N46BO1 N46T N47
 N47DK0 N47S N47T N51 N52
 N52BO0 N52K N52T N53 N54
 N54T N55 N57 N57S N62/S
 N62/TU N63 N73 N73/TU N74
 S62 S63

Body**Production period (from/to)
(mm/dd/yy)**

/

Comment on production period**Feedback (all cases relating
to measure up to) (mm/dd/yy)****Complaint**

No customer complaint.

The oil level sensor is often replaced although it is not faulty.

Cause

Inadequate analysis, diagnostics not run, uncertainty about the actual engine oil level or the measuring method.

Measure

The oil level sensor must ONLY be replaced following UNAMBIGUOUS DIAGNOSIS OF A FAULT IN THE SENSOR. The test modules for the sensor must be worked through. These are considerably expanded from 6/10.

Reimbursement for wrongly replaced sensors will not be paid.

With the message "Top up oil":

Top up the engine oil to MAX. and check the oil level in accordance with the Owner's Handbook.

NOTE:

The measurement only takes place when the engine is running and can take some time, depending on the engine temperature.

-The "Minimum oil level" entry in the DME fault code memory is for information only. It is not an indication of a fault and can be deleted.

-The "Permittivity fault" entry (only up to 06/10) must be ignored and deleted.

Complaint

| Fault location: | Fault type: | Fault conditions: |
|---------------------------------|---|--------------------------|
| Oil dipstick | Fluid level too high | Engine on |
| Oil level sensor | Capacity: Fault | |
| Oil level sensor | Display: Fault, incomplete | |
| Oil level sensor | Electrical system/electronics: Fault, failure | |
| Oil level sensor | Electrical system: Not connected | |
| Oil level sensor | Malfunction, failure | |
| Oil level sensor to oil sump | Malfunction, failure | |

Cause

| Fault location: | Fault type: |
|------------------------|--------------------|
| Oil level sensor | |

| Area | Fault code |
|-------------|-------------------|
| Powertrain | |

Progman / DIS / ISTA / ISTA/P

| System | State | Version |
|---------------|--------------|----------------|
| ISTA | Fixed | D2.21.0 |

Assessment of the measure

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