TECHNICAL BULLETIN



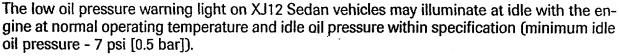
Engine Oil Pressure – Incorrect Low Oil Pressure Warning – Repair Procedure

MODEL XJ12 Sedan 1994 MY ON

DATE 1/95

88-20

ISSUE:



Energy efficient engine oils are thinner and may cause the low oil pressure warning system to illuminate at idle when the oil pressure is within specification.

ACTION:

If a customer complains of a low oil pressure warning at idle and the oil pressure is within specification, replace the existing oil pressure transducer with an oil pressure sensor switch.

NOTE: The oil pressure switch will affect the operation of the oil pressure gauge. The oil pressure gauge will read at mid-scale under all normal driving conditions. It will only move (to zero) if a low oil pressure warning occurs.

Follow the procedure below to replace the oil pressure transducer with an oil pressure sensor switch.

ENGINE OIL PRESSURE TRANSDUCER REPLACEMENT PROCEDURE

- 1. Check engine oil level.
- At normal operating temperature, check that engine idle speed and oil pressure are within specification.

Engine idle speed:

 $700 \pm 25 \text{ rpm}$

Engine oil pressure at idle:

7 psi (0.5 bar) minimum.

- 3. If the idle speed and oil pressure are within specification, replace the engine oil pressure transducer with an engine oil pressure sensor switch (part number LMC 5642AA).
- Connect an engine harness link lead (part number LMD 3325AA) between the oil pressure sensor switch and the engine harness transducer connector. Tape the link lead to the harness.
- 5. Run the engine at idle (normal operating temperature). The pressure gauge should be at mid-scale and there should be no low oil pressure warning.

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PARTS INFORMATION:

PART NUMBER	DESCRIPTION	QTY
LMC 5642AA	Oil pressure sensor switch	1
LMD 3325AA	Engine harness link lead	1

WARRANTY INFORMATION:

FAULT <u>CODE</u>	R.O. NUMBER	DESCRIPTION	TIME <u>ALLOWANCE</u>
MC DB FW	88.25.07	Renew oil pressure transmitter	0.50 hrs.