

Engine Tune-up

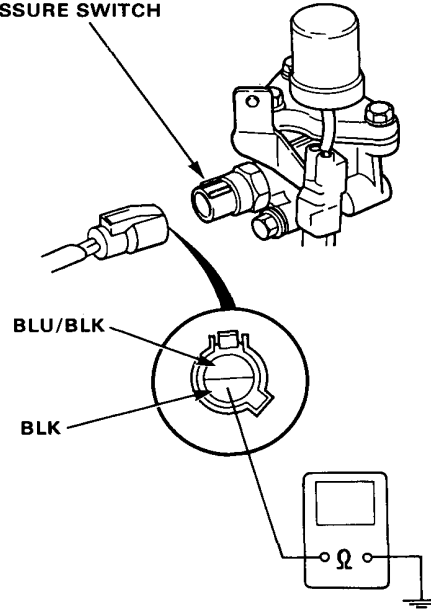
Troubleshooting Flowchart — Oil Pressure Switch

22 Self-diagnosis LED indicates code 22: A problem Oil Pressure Switch circuit.

Disconnect the 2P connector from the oil pressure switch.

Check for continuity between BLK terminal and body ground.

OIL PRESSURE SWITCH



Does continuity exist ?

NO

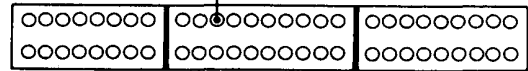
Repair open in BLK wire between 2P connector and body ground.

YES

Connect the ECU test harness.

Check for continuity between BLU/BLK terminal and B5 terminal.

B5



Does continuity exist ?

NO

Repair open in BLU/BLK wire between ECU and 2P connector.

YES

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(From page 5-34)

Remove 10 mm sealing bolt and connect oil pressure gauge (for AT oil pressure test).

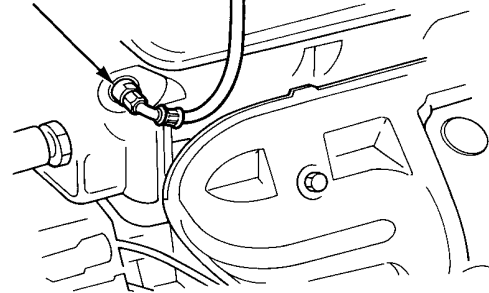
Connect a tachometer (page 5-23).

Start the engine and warm it up to normal operating temperature.

Check oil pressure at engine speeds of 1,000 min⁻¹ (rpm), 3,000 min⁻¹ (rpm) and 5,000 min⁻¹ (rpm).

LOW PRESSURE GAUGE
07406-0070000

GAUGE JOINT
ADAPTOR
07LAK-PR30100



NOTE:
Keep measuring time as short as possible because engine is running with no load (within one minute).

Is pressure below 49 kPa (0.5 kg/cm², 7 psi) ?

NO

Inspect the spool valve.

YES

Check for continuity between the 2 terminals on the oil pressure switch.

Does continuity exist ?

NO

Replace oil pressure switch.

YES

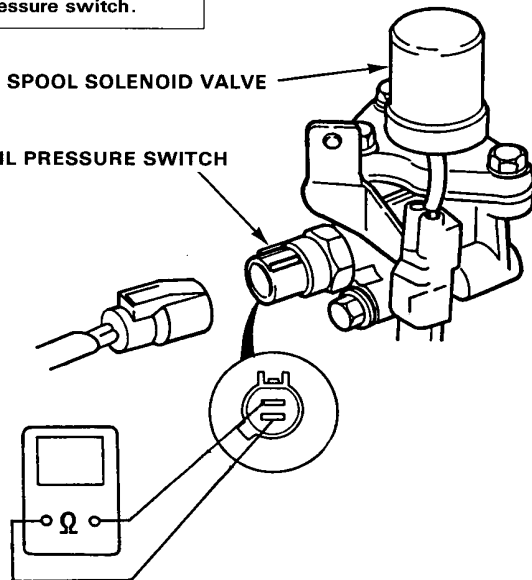
Disconnect the 2P connector from the spool solenoid valve.

Attach the battery positive terminal to the GRN/WHT terminal.

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SPOOL SOLENOID VALVE

OIL PRESSURE SWITCH



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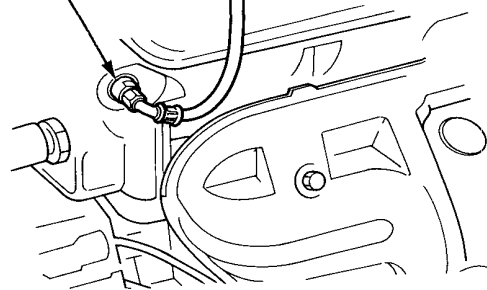
Troubleshooting Flowchart — Oil Pressure Switch (cont'd)

(From page 5-35)

Start the engine and check oil pressure at engine speeds of $5,000 \text{ min}^{-1}$ (rpm).

LOW PRESSURE GAUGE
07406-0070000

GAUGE JOINT
ADAPTOR
07LAK-PR30100



NOTE:

Keep measuring time as short as possible because engine is running with no load (within one minute).

Is pressure above 392 kPa (4 kg/cm², 57 psi) ?

NO

Inspect the spool valve.

YES

Check for continuity between the 2 terminals on the oil pressure switch under above condition.

Does continuity exist ?

NO

Replace oil pressure switch.

YES

Substitute a known-good ECU and recheck. If symptom/indication goes away replace the original ECU.