

Troubleshooting

Flowchart—Compressor

Compressor clutch does not engage.

Remove the compressor clutch relay from the under-hood relay box C.

Turn the ignition switch ON.

Measure voltage between the No. ④ terminal (+) and body ground (–).

Is there battery voltage?

YES

Measure voltage between the No. ③ terminal (+) and body ground (–).

Is there battery voltage?

YES

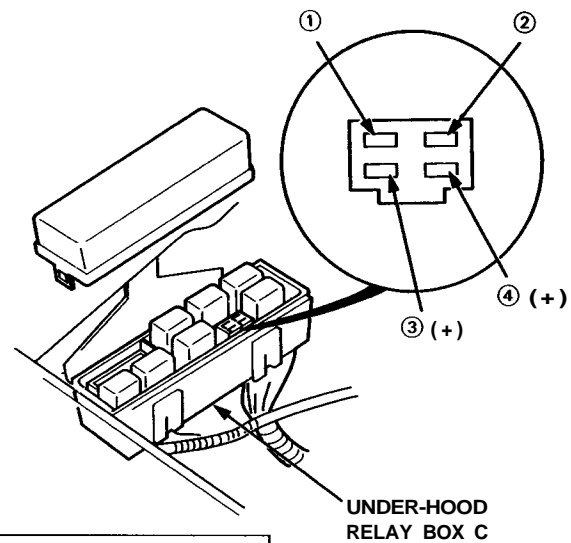
Turn the ignition switch OFF.

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NO

Repair open in the YEL/BLK wire between the compressor clutch relay in the under-hood relay box C and the No. 3 (15A) fuse in the under-dash fuse/relay box.

NO





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Using a jumper wire, connect the No. ① and No. ③ terminals.

Start the engine.

Does the compressor clutch engage?

NO

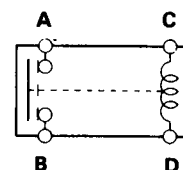
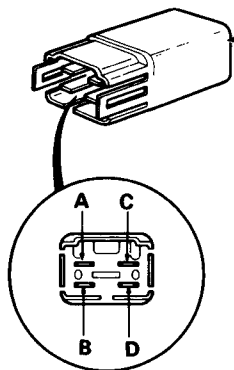
Check for an open in the RED wire between the compressor clutch relay in the under-hood relay box C and the compressor clutch. If the wire is OK, inspect the compressor clutch (see page 21-76), and adjust clearance between the pressure plate and the pulley or replace the field coil.

YES

Turn the ignition switch OFF.

Test the compressor clutch relay (see page 21-66).

COMPRESSOR CLUTCH RELAY



Is the relay OK?

NO

Replace the compressor clutch relay.

YES

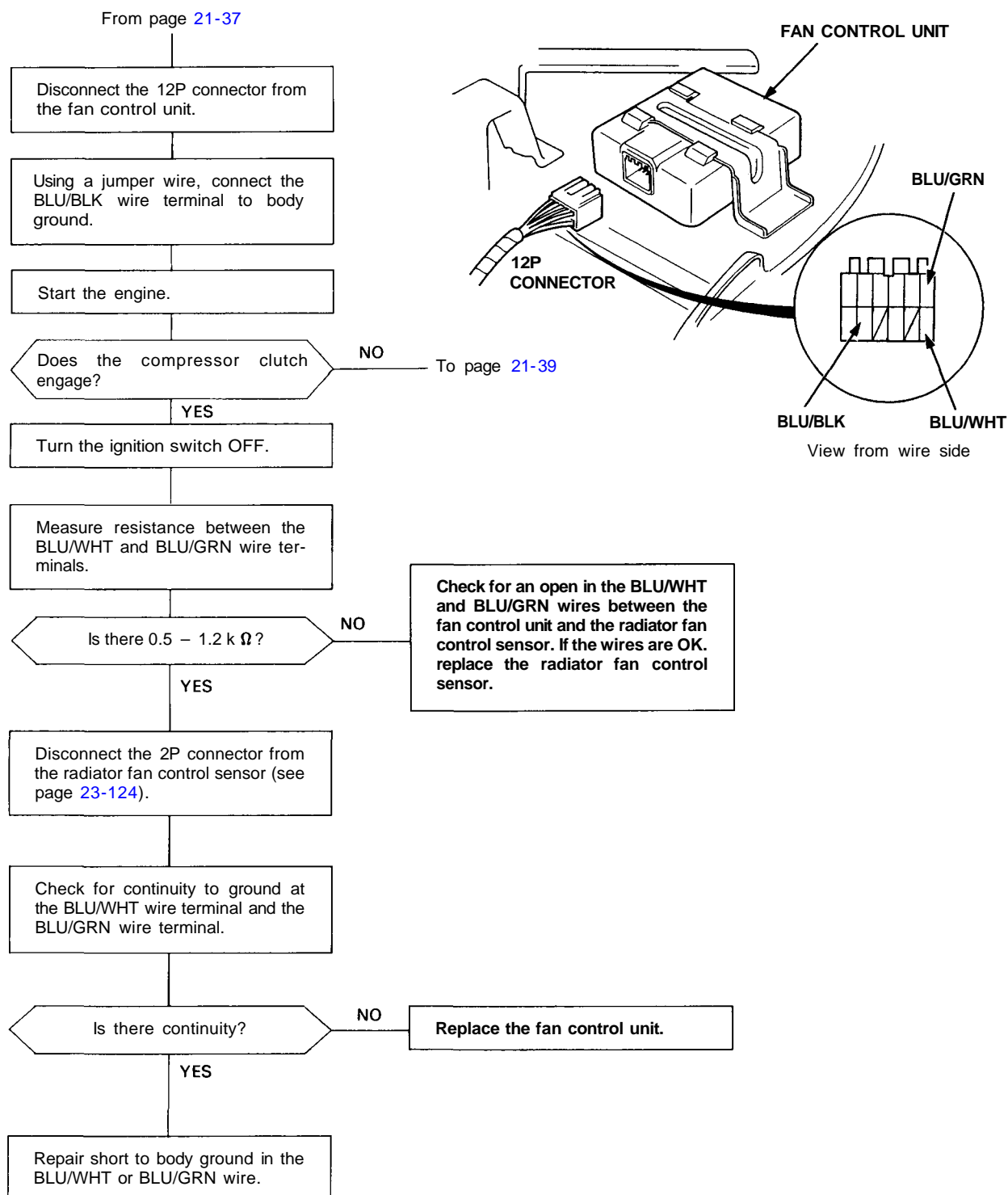
Reinstall the compressor clutch relay into the under-hood relay box C.

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(cont'd)

Troubleshooting

Flowchart — Compressor (cont'd)





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Turn the ignition switch OFF.

Disconnect the four connectors from the *ECM or PCM, then connect the test harness between them and *ECM or PCM.

Check for continuity in the BLU/BLK wire between the fan control unit and the C3 terminal of the test harness.

Is there continuity?

NO

Repair open in the BLU/BLK wire between the fan control unit and the *ECM or PCM.

YES

Turn the ignition switch ON.

Measure voltage between the A15 terminal (+) of the test harness and body ground (-).

Is there battery voltage?

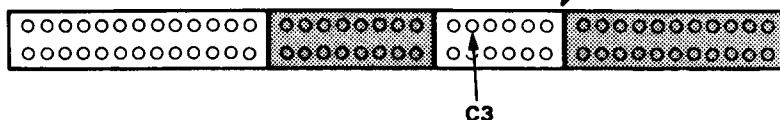
NO

Repair open in the RED/BLU wire between the compressor clutch relay and the *ECM or PCM.

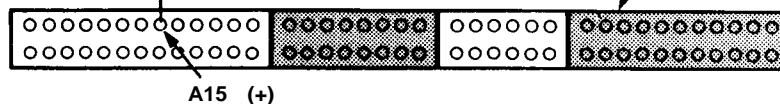
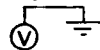
YES

Substitute a known-good *ECM or PCM and recheck. If symptom/indication goes away, replace the original *ECM or PCM.

TEST HARNESS
07LAJ-PT3010A



Battery voltage?



TEST HARNESS
07LAJ-PT3010A

*ECM for M/T
PCM for A/T