

Idle Control System

Troubleshooting Flowchart — Alternator (ALT) FR Signal

This signals the ECM or PCM when the Alternator (ALT) is charging.

Inspection of Alternator FR signal.

Connect the test harness between the ECM or PCM and connector. Disconnect "D" connector from the main wire harness only, not the ECM or PCM (page 11-37).

Turn the ignition switch ON.

Measure voltage between D9 (+) terminal and A26 (-) terminal.

Is there approx. 4.5 V?

NO

Substitute a known-good ECM or PCM and recheck. If prescribed voltage is now available, replace the original ECM or PCM.

YES

Turn the ignition switch OFF.

Reconnect "D" connector to the main wire harness.

Warm up engine to normal operating temperature (the radiator fan comes on).

Measure voltage between D9 (+) terminal and A26 (-) terminal.

Does the voltage decrease when headlights and rear defogger are turned on?

NO

Turn the ignition switch OFF.

YES

Alternator FR signal is OK.

(To page 11-89)



