

Idle Control System

Troubleshooting Flowchart — Neutral Switch Signal (M/T)

This signals the ECM when the transmission is in neutral.

Inspection of neutral switch signal.

Connect the test harness between the ECM and connectors (see page 11-37).

Turn the ignition switch ON.

Measure voltage between B7 (+) terminal and A26 (-) terminal in neutral position.

Is there voltage?

YES

Disconnect the 3P connector on the neutral switch.

Connect LT GRN terminal to BLK terminal.

Is there voltage?

NO

Replace neutral switch (see section 13).

YES

Repair open in LT GRN wire between ECM (B7) and neutral switch or BLK wire between neutral switch and G101 (located at right middle of engine).

Shift transmission in gear.

Is there approx. 10 V?

NO

Disconnect "B" connector from engine wire harness only, not the ECM.

Is there approx. 10 V?

NO

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

YES

Reconnect "B" connector to engine wire harness and disconnect 3P connector on the neutral switch.

Is there approx. 10 V?

NO

Repair short in LT GRN wire between ECM (B7) and the neutral switch.

YES

Replace neutral switch (see section 13).

Neutral switch signal is OK.

