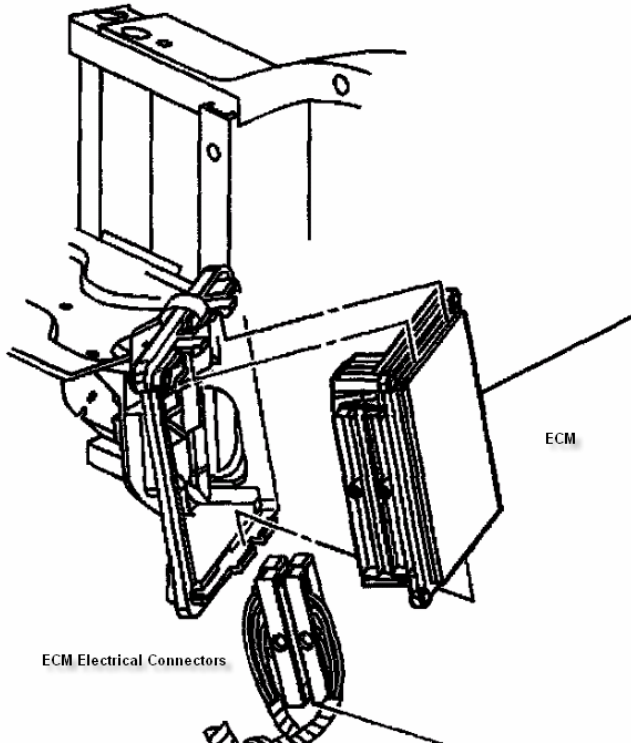


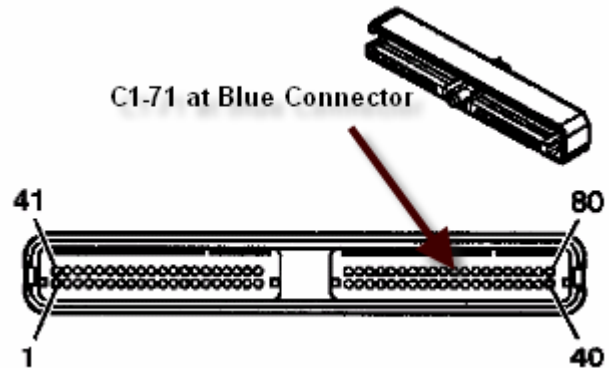
2001-2004 LB7 Fast Idle Instructions



Fast Idle provides an elevated engine speed control to one setting. It is not to be used if any hydraulic application is intended. Fast Idle requires hard-wiring into the Powertrain Control Module (PCM) and the use of a momentary type switch. The ECM is easy to access and does not require removal of the TCM. A 7mm bolt retains each of the two connectors to the ECM.

1. A terminal GM part #12084913 (5 per package) and 10ft of 20 gauge wire will be added to the ECM at terminal position **C1- 71**.

The Blue 'insert' connector is the C1 connector.



2. You'll need to gently squeeze the retainers holding the clear 'blue' sleeve from the C1 white insert so you can slide the terminal and wire to location 71 on C1 from the harness side of the C1 connector. Re-install the blue sleeve making sure that your added pin has retained its new location. Reconnect your blue connector C1 to the ECM when you've finished.

Find a suitable position for your fast idle switch. You will be supplying 12 volts through your toggle switch to pin C1-71 when the switch is on. We recommend you fuse this circuit with a 2 AMP inline fuse.

HIGH IDLE OPERATION

- 1) Start the truck normally using the ignition key. If using a remote start, the high idle may not work unless a 12V un-switched source was used as the power lead to the high idle switch.
- 2) Set the parking brake. The parking brake **MUST** be set in manual transmission equipped trucks.
- 3) Transmission should be in PARK or NEUTRAL for Allison equipped trucks.
- 4) Vehicle speed must be 0 MPH and the brake pedal or clutch pedal is not depressed.
- 5) Turn on the high idle switch. Turn on the cruise control switch.
- 6) The idle speed will increase to the **STANDBY** speed of ~850 RPM for 2001 Duramax diesel equipped trucks. If you have a 2002 or 2003, you **MAY NOT** see an increase in the idle speed to 850 RPM at this time.
- 7) Hit the cruise control **SET** button. The idle speed will increase to ~1250 RPM for 2001 – 2004 LB7 Duramax equipped trucks.
- 8) Engage the **RESUME** switch on the cruise control stalk. The idle speed will increase to ~1700 RPM for 2001 - 2003 trucks.
- 9) High Idle may not engage immediately if the engine is cold. Be patient.
- 10) Stepping on the brake pedal, clutch pedal, or shifting into gear will turn off the high idle. If the brake pedal or clutch pedal is released, the high idle speed will resume.
- 11) Shifting back to Park or Neutral will re-engage the high idle if the switch was left on. **DO NOT DRIVE** with the high idle switch in the ON position.