

CORTEX EBC

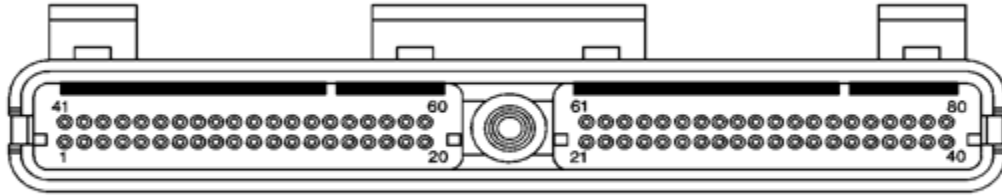
2003-2007 Chevrolet Silverado or GMC Sierra 4.8L/5.3L/6.0L Gen III Vortec Specific Instructions

Rev 2.0.0

WIRING

The Silverado PCM is in the driver side of the engine bay next to the battery. The PCM has two large 80-pin connectors. Power, RPM, vehicle speed, and TPS signals can be accessed at these connectors.

GREEN PCM CONNECTOR

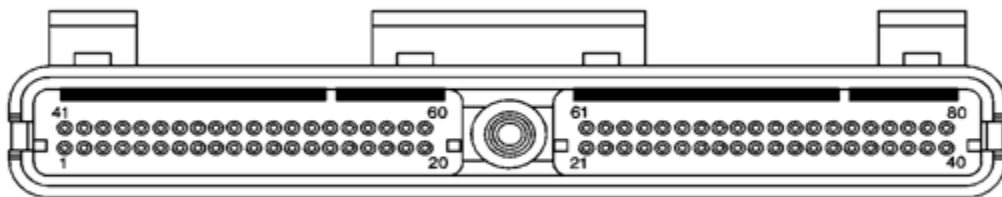


The Cortex EBC wiring harness should be connected to the **green** PCM connector as outlined in the following table.

CORTEX EBC SIGNAL	PCM SIGNAL	PCM PIN #	PCM WIRE COLOR
Engine Speed (RPM)	Tachometer Output	10	White
TPS*	TPS Input	24	Blue
Vehicle Speed	VSS Output	50	Dark Green / White

* Optional for TPS based boost control and output activation.

BLUE PCM CONNECTOR



The Cortex EBC wiring harness should be connected to the **blue** PCM connector as outlined in the following table.

CORTEX EBC SIGNAL	PCM SIGNAL	PCM PIN #	PCM WIRE COLOR
+12V Power	Switched PCM Power	19	Pink
Ground	Connect to Chassis Near EBC	N/A	N/A

VEHICLE CONFIGURATION SETTINGS

RPM DETECTION:

- Pulses Per Cycle: 4
- Rotations Per Cycle: 2

SPEED DETECTION:

- Pulses Per Mile: 4,000
- VSS Scaler: None

GEAR DETECTION:

- EVS Ratios: Determine using EVS Ratio displayed by logger while driving in each gear.

GPI CONFIGURATION FOR TPS:

- Mode: TPS
- Min TPS Voltage: Enter GPI Raw displayed by logger when throttle is closed (around 0.0 V).
- Max TPS Voltage: Enter GPI Raw displayed by logger when throttle is open (around 5.0 V).