

CORTEX EBC

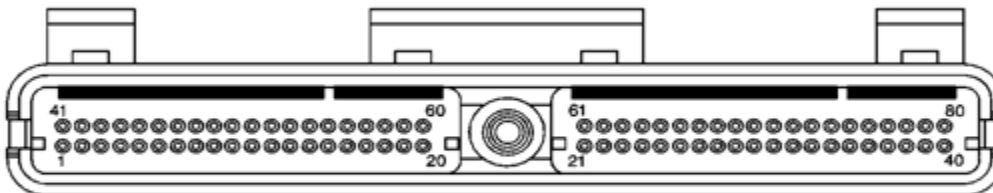
2004 GTO Specific Instructions

Rev 1.0.0

WIRING

The GTO PCM is in the driver side of the engine bay under the radiator overflow bottle and next to the exhaust manifold. The 2004 LS1 powered GTO PCM has two large 80-pin connectors. Power, RPM, vehicle speed, and TPS signals can be accessed at these connectors.

GREEN PCM CONNECTOR

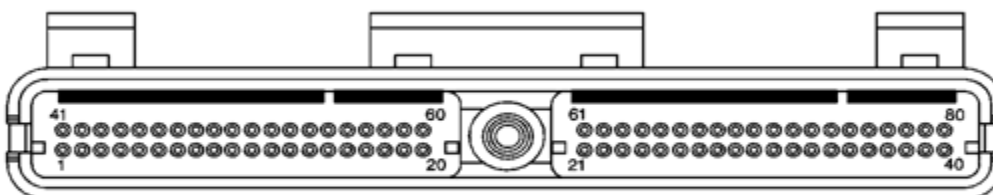


The Cortex EBC wiring harness should be connected to the **green** PCM connector as outlined in the following table.

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

* 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	Orange
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).