

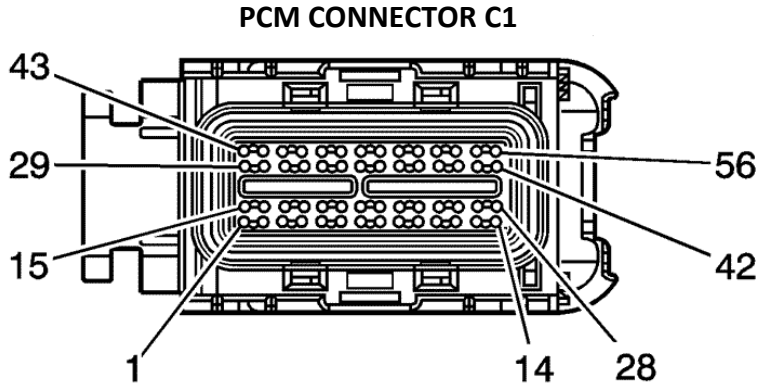
CORTEX EBC

2005-2006 GTO Specific Instructions

Rev 1.0.0

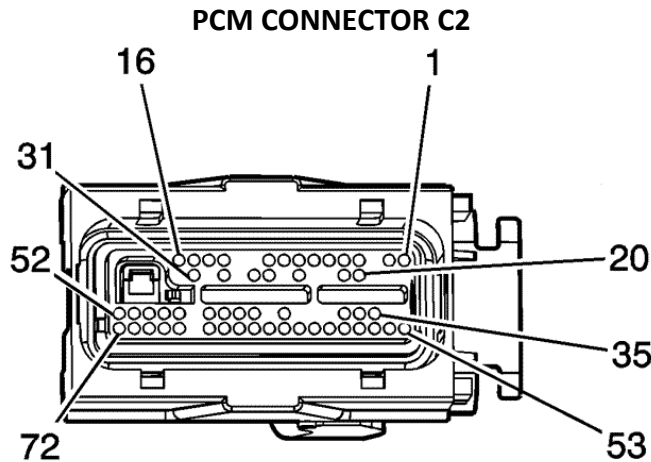
WIRING

The GTO PCM is in the driver side of the engine bay under the radiator overflow bottle and next to the exhaust manifold. The 2005-2006 LS2 powered GTO PCM has three large connectors. Power, RPM, vehicle speed, and TPS signals can be accessed at the 56-pin C1 connector and 72-pin C2 connector.



The Cortex EBC wiring harness should be connected to the 56-pin C1 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
Engine Speed (RPM)	Tachometer Output	48	Brown
Vehicle Speed	VSS Output	21	Purple / White



The Cortex EBC wiring harness should be connected to the 72-pin C2 PCM connector as outlined in the following table.

CORTEX EBC SIGNAL	PCM SIGNAL	PCM PIN #	PCM WIRE COLOR
TPS*	TPS Input	31	Green

* Optional for TPS based boost control and output activation.

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).