

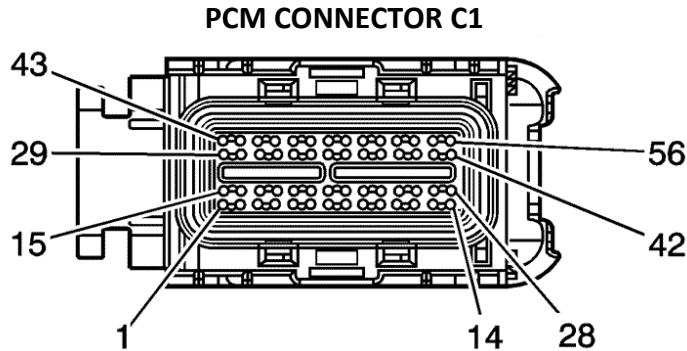
CORTEX EBC

2005 C6 Corvette Specific Instructions

Rev 1.0.0

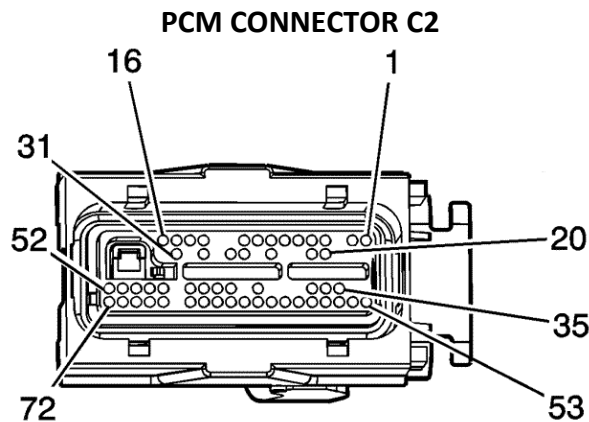
WIRING

The C6 Corvette PCM is in the passenger side wheel well and can be accessed by removing the expansion rivet fasteners from the panel cover in the wheel well. To remove the expansion rivets pry up the center pin with a pair of needle nose pliers or similar tool. The 2005 LS2 powered C6 Corvette PCM has three large connectors. Power, RPM, vehicle speed, and TPS signals can be accessed at the 56-pin C1 and 72-pin C2 connectors.



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	Pink
Ground	Connect to Chassis Near EBC	N/A	N/A
Engine Speed (RPM)	Tachometer Output	48	White
Vehicle Speed	VSS Output	21	Dark Green / 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	Dark 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).