CORTEX EBC

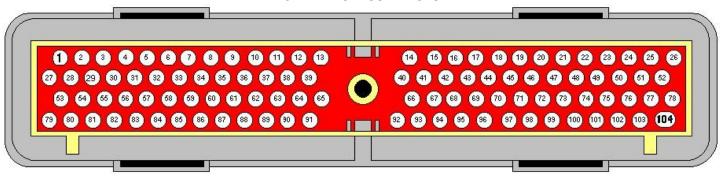
1999-2004 Mustang GT 4.6L Specific Instructions

Rev 3.0.0

WIRING

The 1999-2004 Mustang PCM is inside the vehicle behind the kick panel in the passenger side foot well near the door. The PCM has a single 104-pin connector. Power, ground, RPM, vehicle speed, and throttle position signals can be accessed at the PCM connector.

104-PIN PCM CONNECTOR



The Cortex EBC wiring harness can be connected to the 104-pin PCM connector as outlined in the following table. RPM and vehicle speed signals are required for boost by gear applications.

CORTEX EBC TO PCM CONNECTIONS

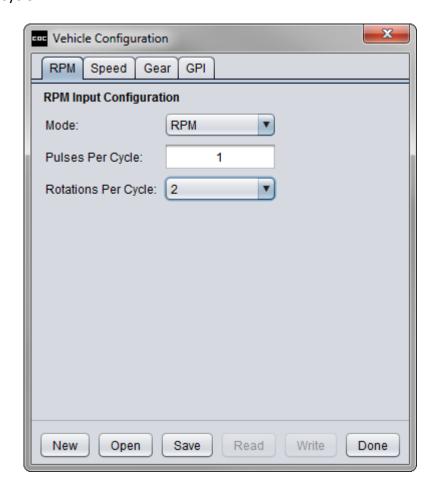
CORTEX SIGNAL	CORTEX WIRE COLOR	PCM SIGNAL	PCM PIN	PCM WIRE COLOR
+12V Power	Red	Switched PCM Power	71	Red
Ground	Black (x2)	Connect to Chassis Near EBC	N/A	N/A
Engine Speed	Pink	Camshaft Position Sensor	85	Dark Blue / Orange
Vehicle Speed	Green	Vehicle Speed Output	68	White / Orange
General-Purpose	Orange	Throttle Position	89	Gray / White

VEHICLE CONFIGURATION SETTINGS

RPM DETECTION:

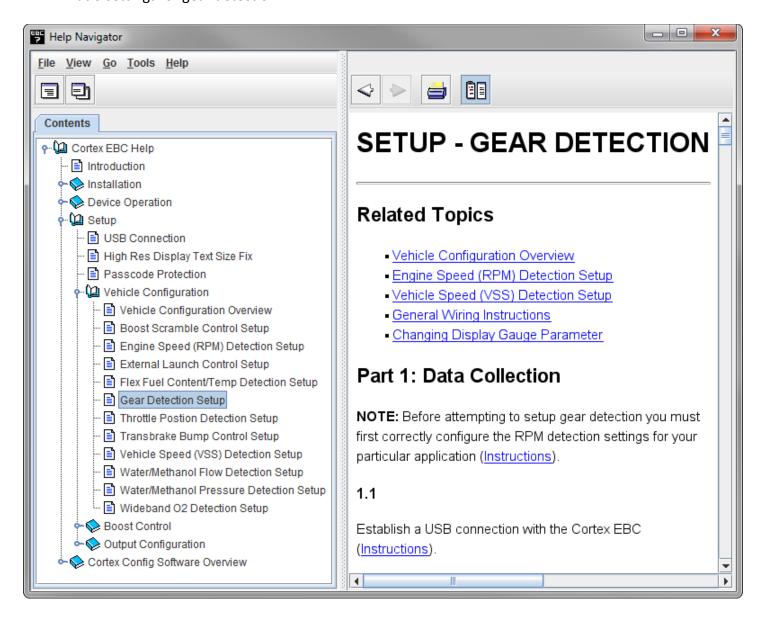
• Mode: RPM

Pulses Per Cycle: 1Rotations Per Cycle: 2



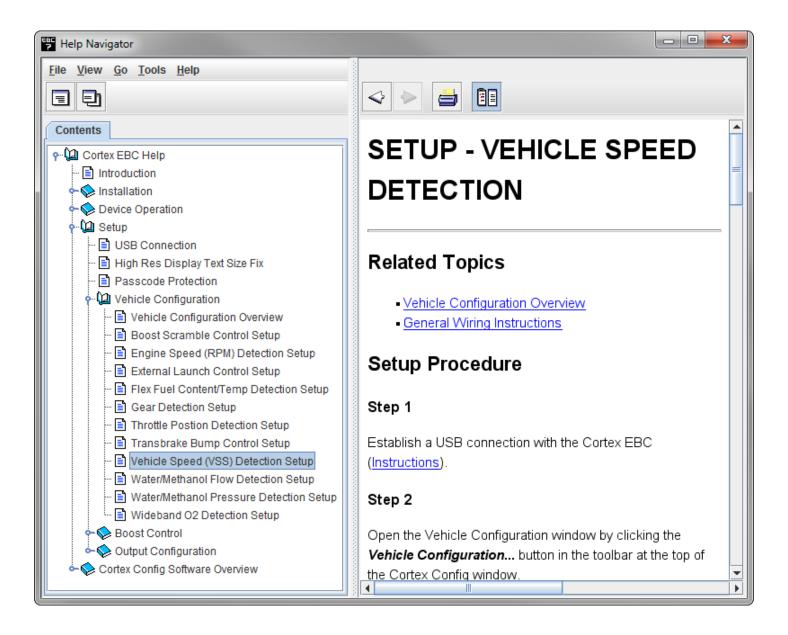
GEAR DETECTION:

• Follow the steps in the **Setup – Gear Detection** section of the Help utility to determine the correct EVS ratio settings for gear detection.



SPEED DETECTION:

- Follow the steps in the **Setup Vehicle Speed Detection** section of the Help utility to determine the correct Pulses Per Mile setting.
- NOTE: Gear detection setup should be performed before calibrating the Pulses Per Mile setting.



THROTTLE POSITION DETECTION:

• Follow the steps in the **Setup – Throttle Position Detection** section of the Help utility to determine the correct Closed TPS Voltage and Open TPS Voltage settings.

