CORTEX EBC

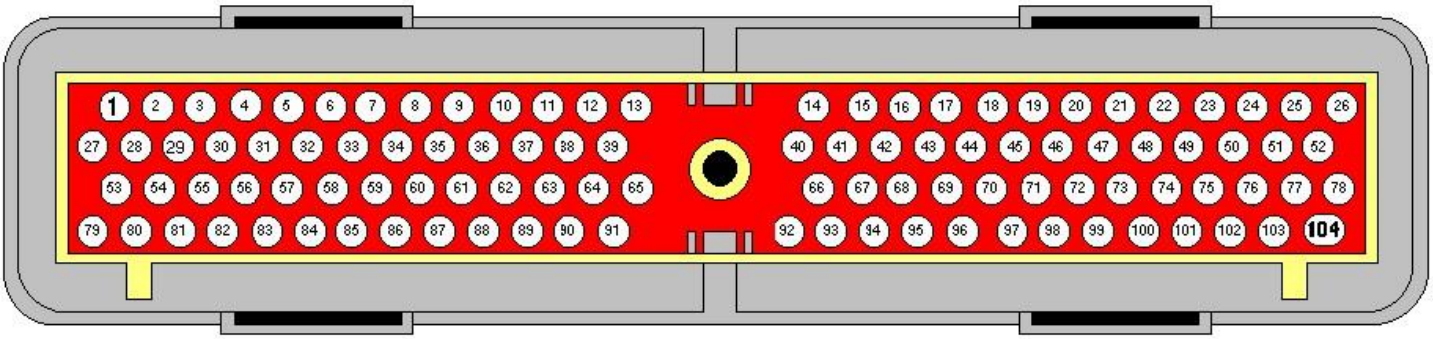
1996-1998 Mustang GT 4.6L Specific Instructions

Rev 2.0.0

WIRING

The 1996-1998 Mustang PCM is inside the vehicle behind the kick panel in the passenger side foot well near the door. The PCM has a single large 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 and Speed Sensor Adapter V2 can be connected to the 104-pin PCM connector as outlined in the following tables. RPM and vehicle speed signals are required for boost by gear applications. The Speed Sensor Adapter V2 can be connected to the same power and ground source as the Cortex EBC if desired.

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	Tachometer Signal	48	Orange / White
General-Purpose	Orange	Throttle Position	89	Gray / White

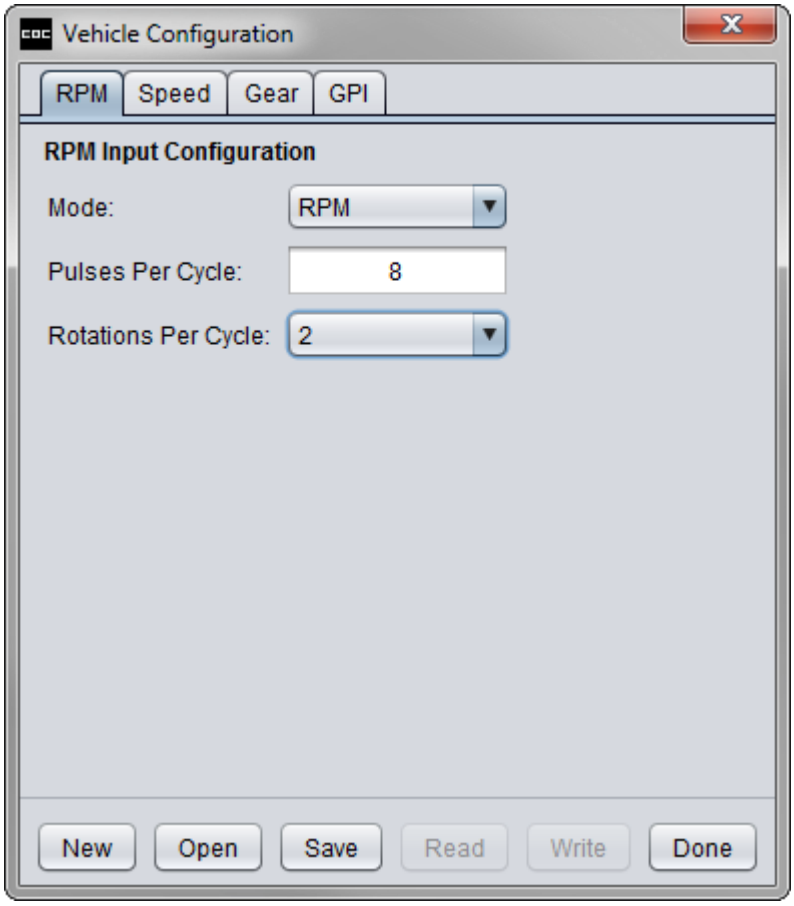
SPEED SENSOR ADAPTER V2 CONNECTIONS

SPEED SENSOR ADAPTER V2 SIGNAL	SPEED SENSOR ADAPTER V2 WIRE COLOR	PCM SIGNAL	PCM PIN	PCM WIRE COLOR
Sensor IN+	Green	VSS +	58	Gray / Black
Sensor IN-	Blue	VSS -	33	Pink / Orange
-	-	**CORTEX SIGNAL**	-	**CORTEX WIRE COLOR**
Output	White	Vehicle Speed	-	Green

VEHICLE CONFIGURATION SETTINGS

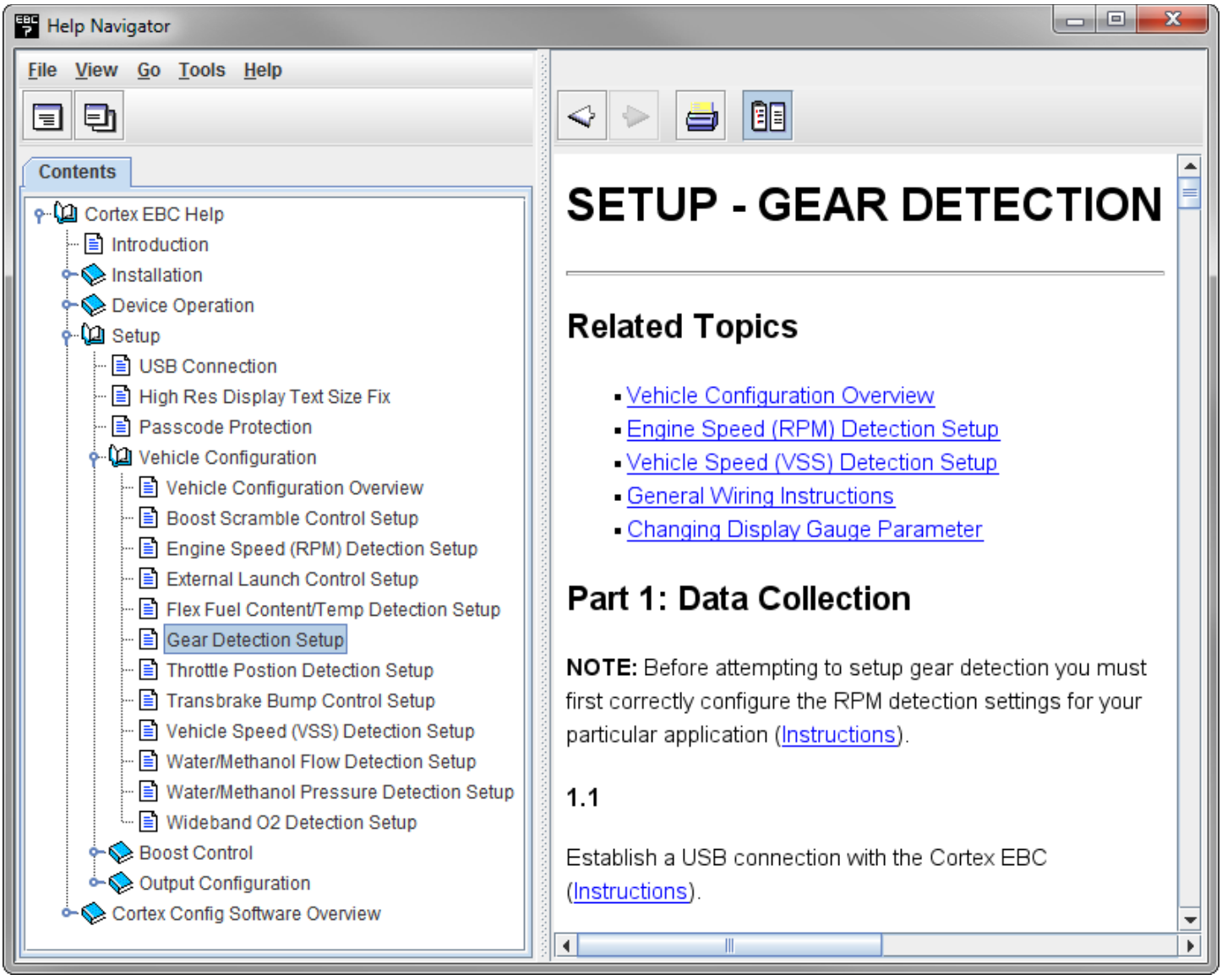
RPM DETECTION:

- Pulses Per Cycle: 8
- Rotations Per Cycle: 2



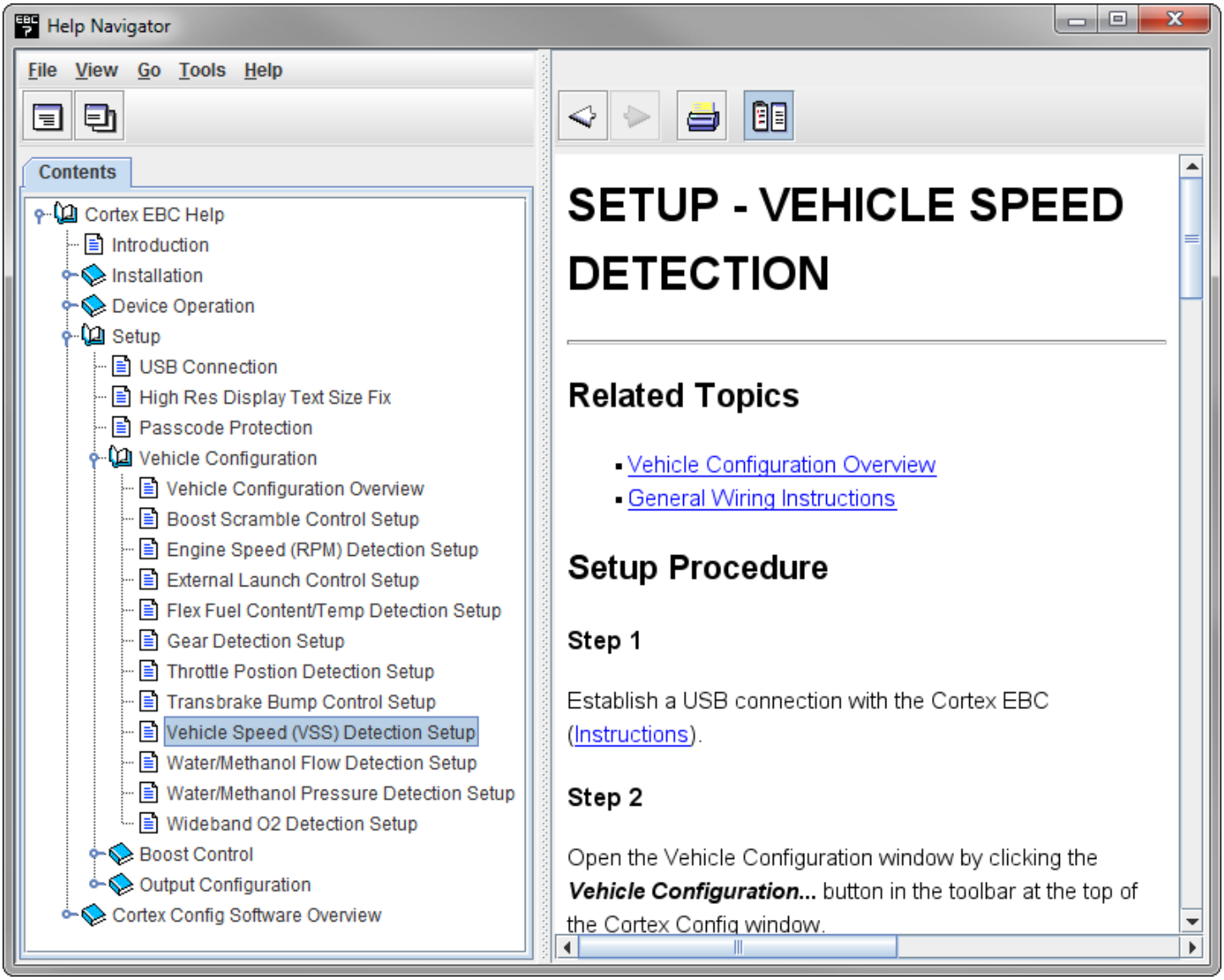
GEAR DETECTION:

- 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.