CORTEX EBC

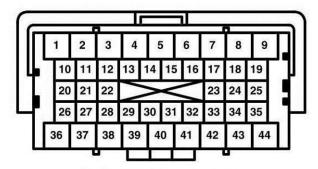
2006-2011 Honda Civic Si Specific Instructions

Rev 2.0.0

WIRING

The 2006-2011 Civic Si ECU is in the engine bay next to the battery. The ECU has three 44-Pin connectors (A, B, C). RPM, vehicle speed, and throttle position can all be accessed at the A connector.





Terminal side of female terminals

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

CORTEX EBC TO ECU CONNECTIONS

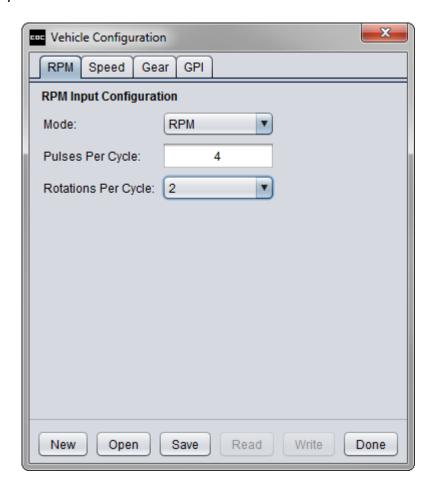
CORTEX SIGNAL	CORTEX WIRE COLOR	ECU SIGNAL	ECU PIN	ECU WIRE COLOR
Engine Speed	Pink	NEP (Engine Speed Pulse)	A-28	Blue
Vehicle Speed	Green	VSSOUT (Vehicle Speed Output)	A-29	Blue
General-Purpose	Orange	APSA (Accel Pedal Position A)	A-17	Yellow

VEHICLE CONFIGURATION SETTINGS

RPM DETECTION:

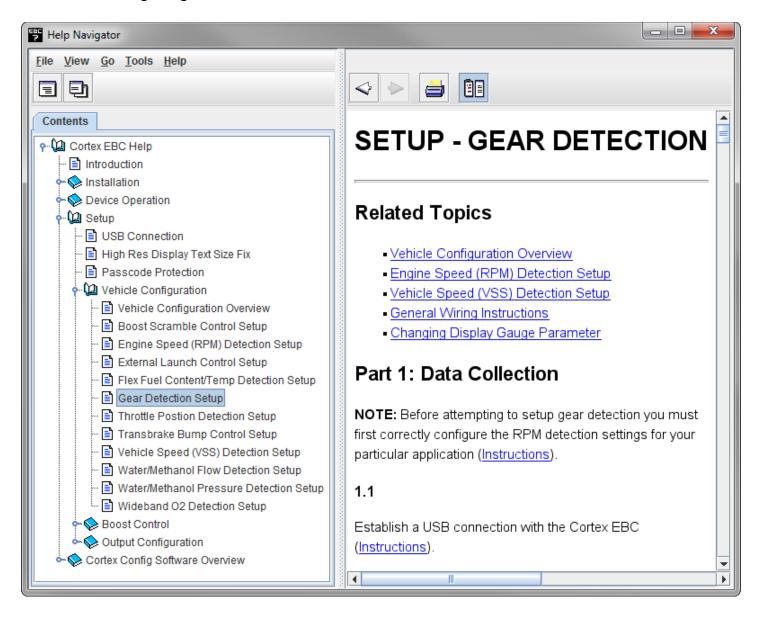
• Mode: RPM

Pulses Per Cycle: 4Rotations Per Cycle: 2



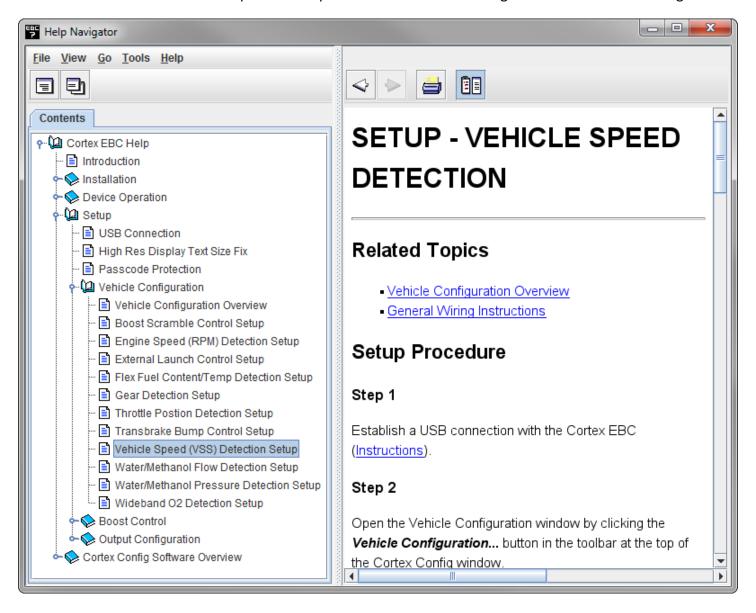
GEAR DETECTION:

• 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:

Mode: TPS

Closed TPS Voltage: 0.50Open TPS Voltage: 4.70

