

CORTEX EBC

2006 GTI 2.0T Specific Instructions

Rev 2.0.0

WIRING

RPM, vehicle speed, and TPS signals are accessed at three separate locations on the 2006 GTI. This document provides instructions for accessing each signal.

NOTE: A VSS signal may be available behind the dash on 2007 models manufactured before April.

SPEED SIGNAL

A speed signal wire is available on the gauge cluster connector and can be accessed by removing the gauge cluster. The speed signal is carried by the white/purple wire in the cluster connector harness. It is connected to pin 28 of the harness connector.

RPM SIGNAL

An RPM signal is available on the cylinder 1 coil trigger wire. The easiest place to access this signal is at the ignition coil wiring harness near the camshafts on the driver side of the cylinder head. You will need to remove some of the looming covering the wires. The cylinder 1 coil trigger signal is carried by a violet/gray wire.

TPS SIGNAL

A TPS signal is available at the accelerator position sensor connector on the gas pedal which can be accessed by removing the cover above the gas pedal. The connector can be disconnected by unlocking the red lock tab and then squeezing. The accelerator position signal is carried by the white/blue wire that terminates at pin 4 of the connector.

VEHICLE CONFIGURATION SETTINGS

RPM DETECTION:

- Pulses Per Cycle: 1
- Rotations Per Cycle: 2

SPEED DETECTION:

- Pulses Per Mile: Calibrate using speedometer or GPS (6,000 is a good starting point).
- 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).