

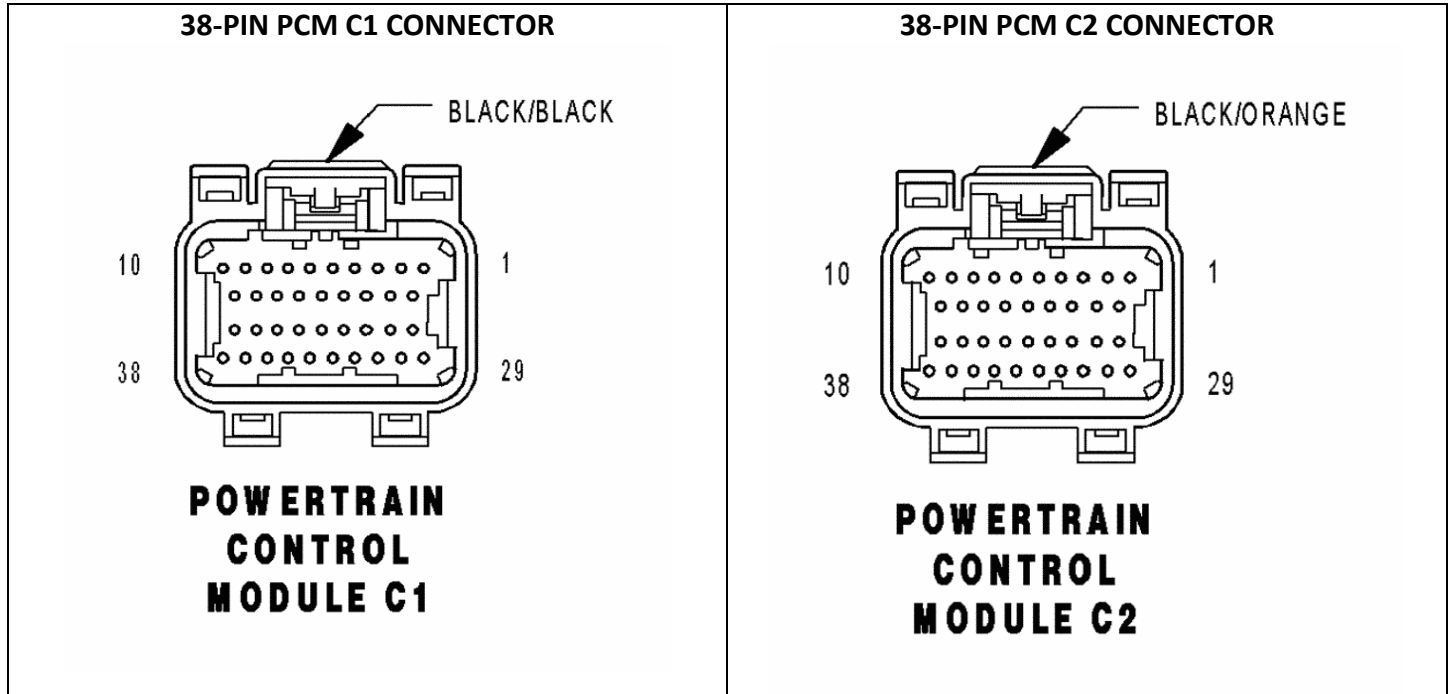
CORTEX EBC

2003-2005 Neon SRT4 Specific Instructions

Rev 2.0.0

WIRING

The 2003-2005 Neon SRT4 PCM is in the front of the driver side of the engine bay under the airbox. The PCM has four connectors. Power, RPM, vehicle speed, and TPS signals can be accessed at these connectors.



The Cortex EBC wiring harness should be connected to the PCM C1 and C2 connectors as outlined in the following table.

CORTEX EBC SIGNAL	PCM SIGNAL	PCM PIN #	PCM WIRE COLOR
+12V Power	Switched PCM Power	C1-11	Dark Blue / Red
Ground	Connect to Chassis Near EBC	N/A	N/A
Engine Speed (RPM)	Cam Position Signal	C2-34	Tan / Yellow
Vehicle Speed	Vehicle Speed Signal	C1-13	White / Orange
TPS*	Throttle Position Signal	C2-21	Orange / Dark Blue

* Optional for TPS based boost control and output activation

VEHICLE CONFIGURATION SETTINGS

RPM DETECTION:

- Pulses Per Cycle: 7
- Rotations Per Cycle: 2

SPEED DETECTION:

- Pulses Per Mile: Calibrate using speedometer or GPS. 8,000 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).