

Electronic Engine Set RPM ECM Guide

Caterpillar Engine

ECM Model: Adam I (40 Pin Connector)

Pin# 3 - insert wire and proper pin into Pin# 8 at J1/P1 connector at the engine ECM.

Pin# 6 - insert wire and proper pin into Pin# 30 at J1/P1 connector at the engine ECM or connect to chassis ground.

Pin# 8 - Not Used.

Note: The J1/P1 connector is found on the driver's side of the engine on the ECM, the bottom connector is J1/P1.

Caterpillar Engine

ECM Model: Adam II, III (70 Pin Connector)

Pin# 3 - insert wire and proper pin into Pin# 56 at J1/P1 connector at the engine ECM.

Pin# 6 - insert wire and proper pin into Pin# 3 at J1/P1 connector at the engine ECM or connect to chassis ground.

Pin# 8 - Not Used.

Note: The J1/P1 connector is found on the driver's side of the engine on the ECM, the rear connector is J1/P1.

Cummins Engine (ISB,ISC,ISL)

ECM Model: Celect Plus

Pin# 3 - insert wire and proper pin into Pin# 46 at OEM connector at the engine ECM.

Pin# 6 - Connect to chassis ground.

Pin# 8 - Not Used.

Note: The OEM connector is found on the driver's side of the engine on the ECM. The front connector is the OEM connector.

Cummins Engine (ISM, Pre 2003 ISX)

ECM Model: Celect Plus

Pin# 3 - insert wire and proper pin into Pin# 34 at the OEM connector at the engine ECM.

Pin# 6 - Connect to chassis ground.

Pin# 8 - Not Used.

Note: The OEM connector is found on the driver's side of the engine on the ECM. The front connector is the OEM connector.

Cummins Engine (M11,N14)

ECM Model: Celect Plus

Pin# 3 - insert wire and proper pin into Pin# 15 at the OEM connector at the engine ECM.

Pin# 6 - Connect to chassis ground.

Pin# 8 - Not Used.

Cont'

Cummins Engine 2002/Present (ISB02, ISC02, ISL02, ISM02, ISX02) ECM Model:CM850/870/875

Pin# 3 - Insert wire and the proper pin into Pin# 4 at the OEM Connector at the engine ECM.
Pin# 6 - Connect to Chassis Ground
Pin# 8 - Not Used

Cummins Engine 2150 ECM

Pin# 3 - Insert wire and the proper pin into Pin# 18 at the OEM Connector at the engine ECM.
Pin# 6 - Connect to Chassis Ground
Pin# 8 - Not Used

Cummins Engine 2250 ECM

Pin# 3 - Insert wire and the proper pin into Pin# 39 at the OEM Connector at the engine ECM.
Pin# 6 - Connect to Chassis Ground
Pin# 8 - Not Used

International Navpak (T 444E, DT 466E, DT 466E HT, 530E, 530E HT)

Pin# 3 - Join both wire# 46B and wire# 97CB to the pin.
Pin# 6 - Join wire# 97DF to this pin.
Pin# 8 - Not Used.

Mack V-Mac III Electronic Engine

Pin# 3 - Tee into the J2-9 wire at the VECU
Pin# 8 - Tee into the J1-6 wire at the VECU
Pin# 6- Connect to the 12v key switch fused (10amp) power.

Volvo Vectro Electronic Engine Pre 2003

Pin# 3 - Join to the wire # 573 at the VECU. (Vehicle ECU pin - PA 29)
Pin# 8 - Join to the wire # 573 A at the VECU.(Vehicle ECU pin - PA 15)
Pin# 6- Connect to the 12v key switch fused (10amp) power.

Volvo Vectro Electronic Engine 2003/Present

Pin# 3 - Join to the wire # 573 at the VECU. (Vehicle ECU pin - PA 29)
Pin# 8 - Not Used
Pin# 6- Connect to the 12v key switch fused (10amp) power.

Mercedes-Benz Electronic Engine

Pin# 3 - To the VCU gray connector, insert the wire and terminal in pin# 10 cavity.
Pin# 6 - Connect to chassis ground.
Pin# 8 - Not Used.

Detroit DDEC III & IV

Pin# 3 - Connect to the 510 Wire, ECM Connector location is D1

Pin# 6 - Connect to the 528 Wire or the 544 Wire, ECM Connector location 528 is G1

Pin# 8 - Not Used

Detroit DDEC V

Pin# 3 - Connect to V23 at ECM Connector

Pin# 6 - Connect to chassis ground.

Pin# 8 - Not Used

Detroit DDEC VI - MBE CPC

Pin# 3 - Connect to 2/9 at CPC Grey Connector

Pin# 6 - Connect to chassis ground.

Pin# 8 - Not Used