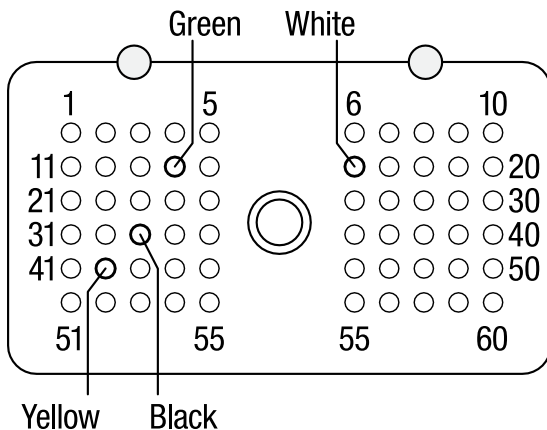


'03-'04 Ram Turbo Diesel Manual Transmission APPS Replacement Harness Installation

Start by disconnecting both batteries. Next, remove the inner fenderwell on the driver's side. This will make it much easier to access the ECM main plugs. There is a 60 pin connector and a 50 pin connector, the 60 pin is toward the front of the truck. On both connectors the #1 pin will start on the upper left corner and proceed to the right. Then drop to the next row pin #11 will start to row and higher number pins will continue to the right and so on. Remove the center bolt in the plug to remove it from the ECM. The APPS sensor is located under the battery tray.

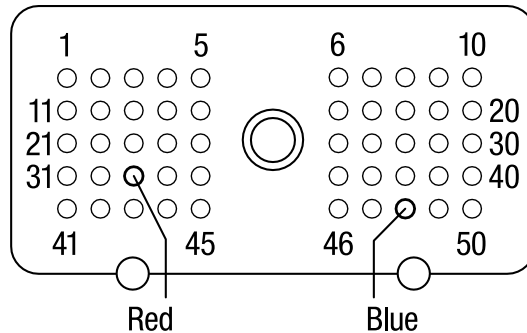
Look below to see which wires you will be removing. Next use the red extraction tool and slide it onto the wire and into the back of the main plug to RELEASE the locking tab inside so the wire can be pulled out. It may help to straighten out a paperclip and insert it in the ECM side of the plug and push on the pin as you wiggle the RED extraction tool trying to get the locking tab to RELEASE.

The 60 pin connector is called C1



**ENGINE CONTROL MODULE C1
(DIESEL)**

The 50 pin connector is called C2



**ENGINE CONTROL MODULE C2
(DIESEL)**

APPS sensor pin number and color of wire	ECM bank	ECM pin number
#1 white	C1	#16 APPS signal #2
#2 Red	C2	#33 5 volt supply
#3 Yellow	C1	#42 5 volt supply
#4 Blue	C2	#48 Ground
#5 Green	C1	#14 APPS signal #1
#6 Black	C1	# 33 Ground

The only two wires going into the 50 pin connector will be the RED and BLUE.

WHEN YOU ARE INSERTING THE NEW WIRES INTO THE ECM PLUG CAREFULLY LISTEN FOR A “**CLICK**” AS THE PIN IS FULLY INSERTED!

The old wires can just be wrapped up with electrical tape out of the way, The wires will just be dead in the old harness.

After you are all done with the wires, hook the batteries back up and turn the key ON. Now press the pedal slowly to the floor then let up slowly then you can start the truck.