



GM Fuel Pump/Module Assembly Connector Replacement

1. Disconnect the battery.
2. Disconnect the electrical connector that plugs into the top of the fuel pump/module assembly located on top of the fuel tank (fuel tank removal may be required).
3. Remove approximately 8 inches (220 mm) of tape and black plastic conduit from the vehicle's fuel pump body harness.
4. Remove the 4 pin Metri Pack 150 (see Figure 1) electrical connector from the vehicle's body harness.
5. Stagger the 4 leads of the body harness wiring by 1.5 inches (40 mm) and remove approximately 5/16 inches (7.5 mm) of insulation from each of the 4 body harness leads.
6. When installing the new 4 leads of the new 4 pin GT280 (see Figure 2) connector on the vehicle's body harness, it will be necessary to maintain the approximate length of the vehicle's body harness. Align the approximate colors and stagger the 4 leads of the new 4 pin GT280 connector to correspond to the vehicle's body harness.
7. Remove approximately 5/16 inches (7.5 mm) of insulation from each of the leads on the new GT280 connector.
8. Connect the new GT280 connector to the body harness of the vehicle with the 4 butt splice connectors contained in the kit. Use the blue splices on the black and gray leads and the red splices on the purple and orange/black leads. Crimp the splices in place with the appropriate crimp tool. If the vehicle body harness wiring colors and sizes are not identical to the new GT280 electrical connector wiring, review the wiring diagrams below and determine which combination matches your vehicle application.
9. Making sure the fuel tank is sealed and no fuel vapors are present, shrink the insulation of the butt splices, using the heat gun, until a small amount of sealant comes out of the end of the splice tube.
10. Re-install the black plastic conduit and re-tape as before.

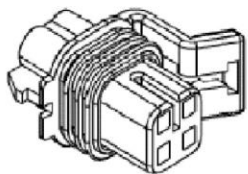


Figure 1: Metri Pack 150 Connector

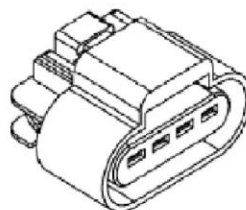
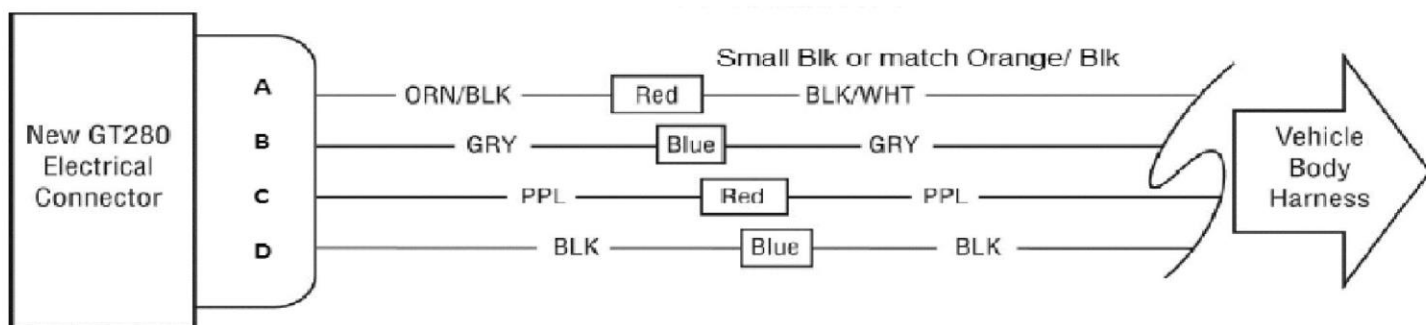


Figure 2: GT280 Connector

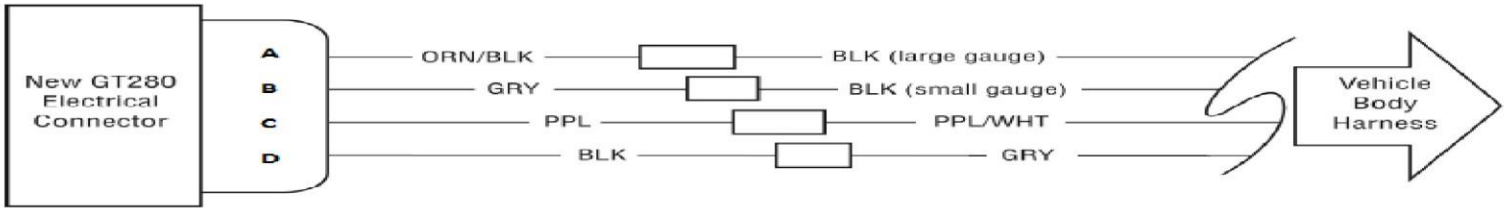
Combination 1

Fits most 2001 and older models. Also applicable to some newer than 2001 models



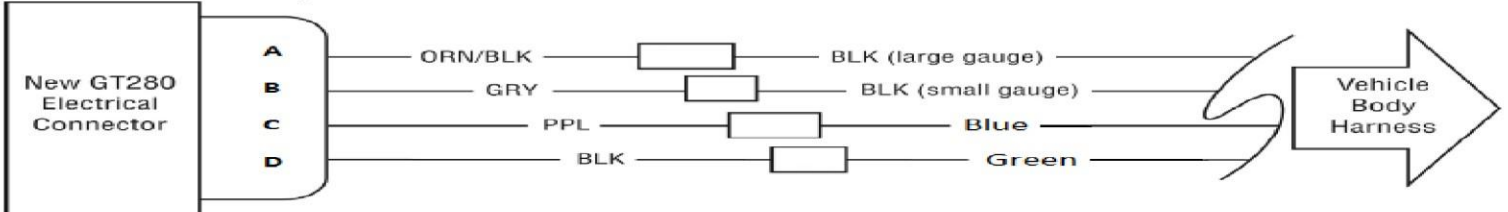
Combination 2

For some 2002 and 2003 model trucks, and also for 2004 and newer trucks.



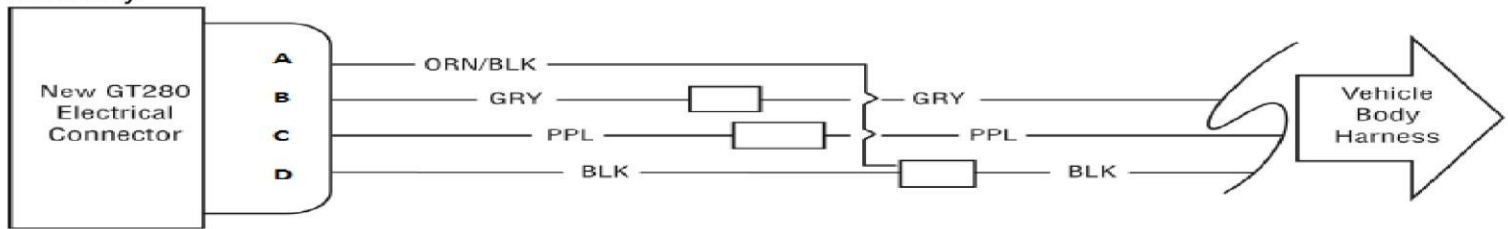
Combination 3

Truck and Van secondary tanks.



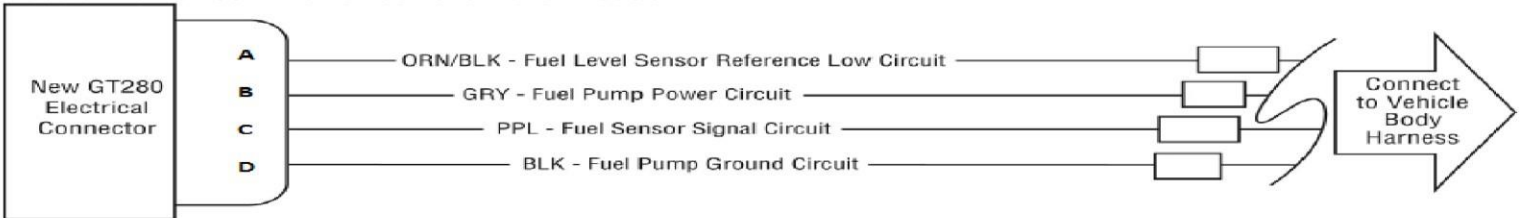
Combination 4

Important: Combination 4 requires the Orange/Black and Black leads from the new GT280 electrical connector to be installed into one end of a blue wire splice. Failure to do this will cause the fuel pump or fuel level sensor to operate incorrectly.



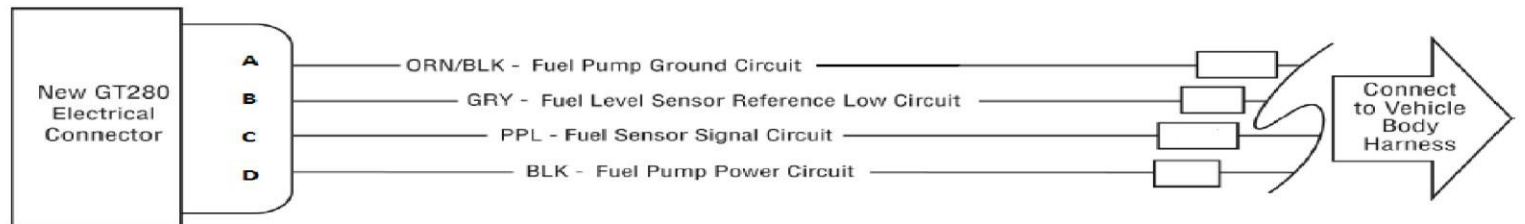
Wiring Identification Diagram

Models Prior to 2002 - Some 2002 and Newer Models



Wiring Identification Diagram

Some 2002 & 2003 Model Trucks - All 2004 Forward Trucks



Note: If the vehicle body harness does not match any of the combinations shown above, refer to these wiring identification diagrams above, and always use the vehicle service manual or equivalent to determine the correct wiring alignment for the new GT280 electrical connector.