AP63458 APPS Replacement Instructions

REMOVAL

1. Remove the black APPS (accelerator pedal position sensor) assembly cover.
2. Remove the six mounting bolts (figure 1 on reverse) and partial pull the assembly away from the engine. Be sure not to place excessive strain on cables or electrical connector.
   Note: The cables do not need to be removed from the assembly
3. Disconnect the electrical connector from the APPS assembly (figure 2 on reverse).
4. Remove the two torx screws and remove the sensor.

INSTALLATION

1. Install the new sensor. Tighten the torx screws just tight enough to hold the sensor in place.
2. Connect the electrical connector to the new sensor.
3. Turn the key to the run position, do not start the engine. Monitor the APPS voltage with the scan tool. APPS voltage can also be monitored by back probing pin #3 on the APPS electrical connector (figure 3 on reverse).
4. Rotate the sensor until APPS voltage reads 0.55V +/– 0.05V. The set screws (figure 1 on reverse) should not be adjusted. Tighten the torx screws to a final torque of 50 in. lbs. Verify that the reading is still within the specified range after the torx screws have been tightened. Turn the key to the off position.
5. Reposition the assembly to the engine with the six mounting bolts. Tighten the bolts to a torque of 105 in. lbs.
6. Reinstall the black APPS assembly cover.

CALIBRATION

1. Turn the key to the run position, do not start the engine. Press the pedal slowly to the full throttle position and release slowly back to the idle position one time.
2. Clear any DTC's that may have set during the installation procedure.

© 2012 Alliant Power

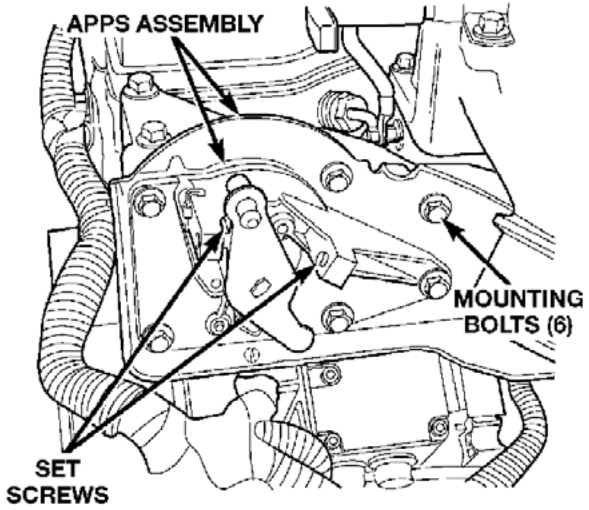


Figure 1

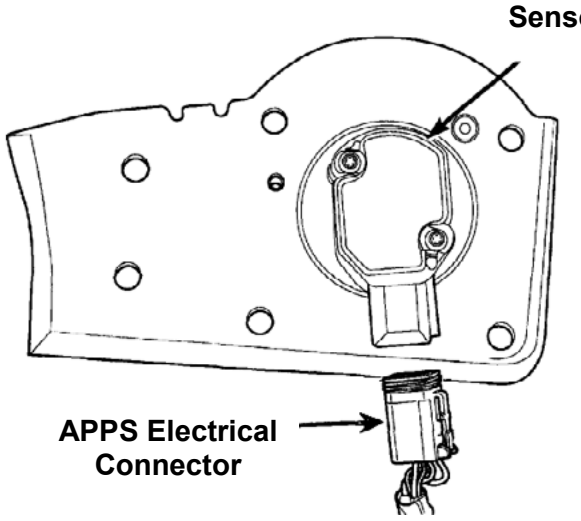
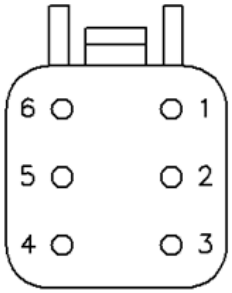


Figure 2



View from Harness Side of Connector

Figure 3

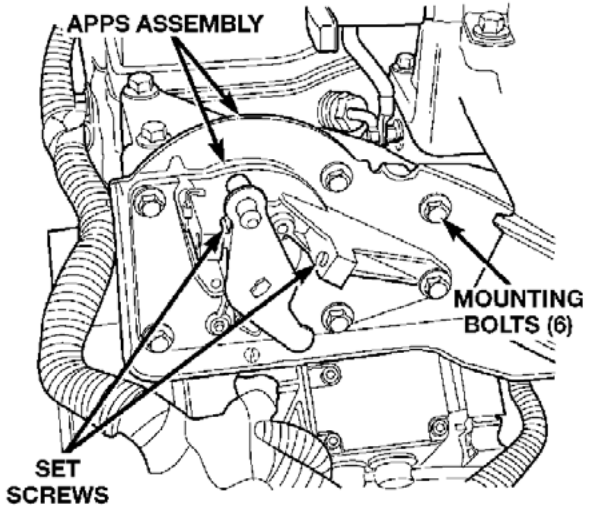


Figure 1

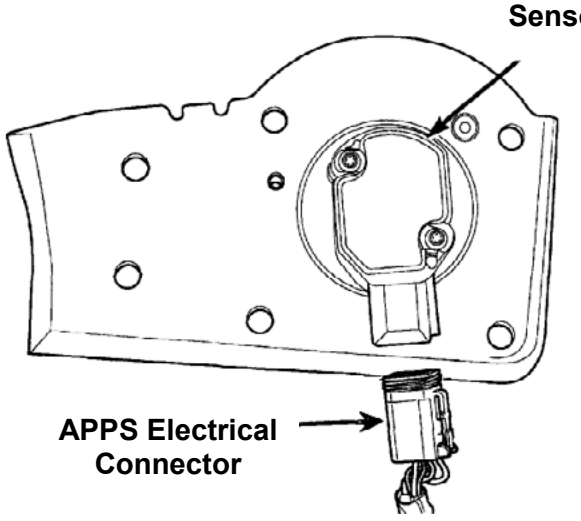
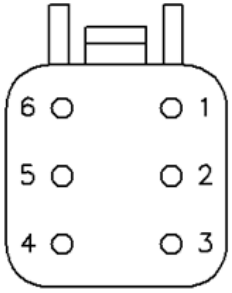


Figure 2



View from Harness Side of Connector

Figure 3