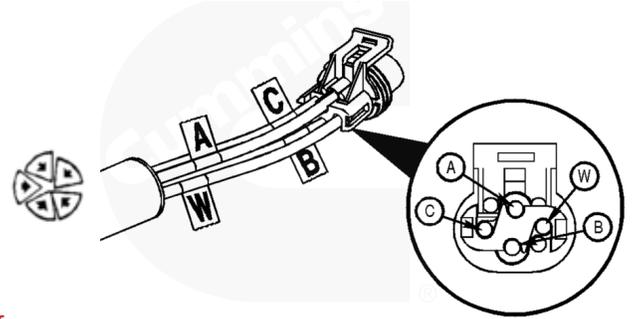


Electrical Repair Connector - Installation

Locate the wiring harness from the existing fuel pressure sensor. Attach one label to each of the four wires in the harness connector as described below:

- Label pin A with an A.
- Label pin B (common ground) with a B.
- Label pin C with a C.
- Label pin W with a W.

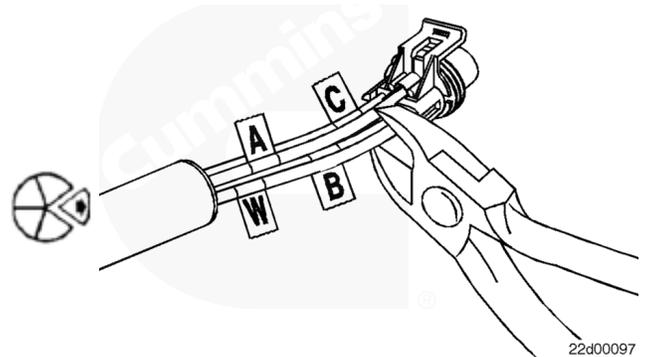


22d00096

NOTE: The illustration shows the labels of the wires from the rear of the connector.

Cut off all four wires from the fuel pressure sensor connector.

Strip the insulation from each of the wires.

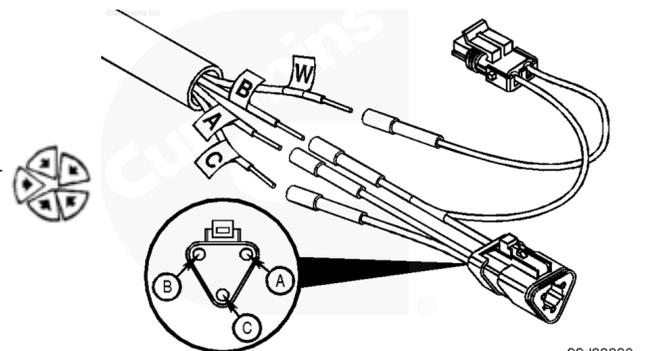


22d00097

Located on the electrical repair connector are the labels with the correct numbers and letters. Match the labeled wires together.

Make sure the electrical repair connector butt and the wire are fully installed before crimping.

- A connects to wire A (red-striped wire) on the electrical repair connector.
- B connects to wire B (solid black with splice) on the electrical repair connector.
- C connects to wire C (green-striped wire) on the electrical repair connector.
- W connects to wire W (white-striped wire) on the electrical repair connector.



22d00098

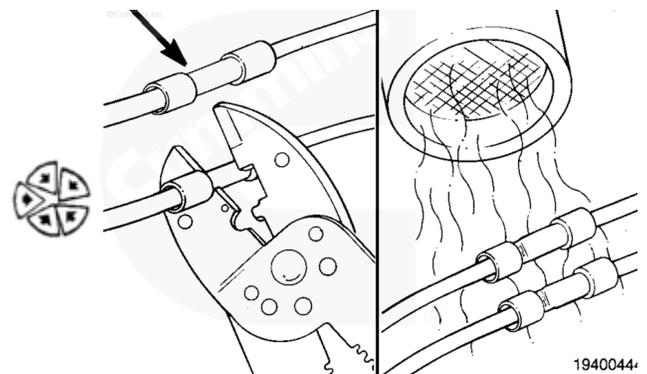
NOTE: The illustration shows the labels of the wires from the rear of the connector.

The wiring layout of the pressure sensor is not like other Cummins® pressure sensors. Crimp the wires together as follows:

- 5 VDC supply
- Return
- Signal.

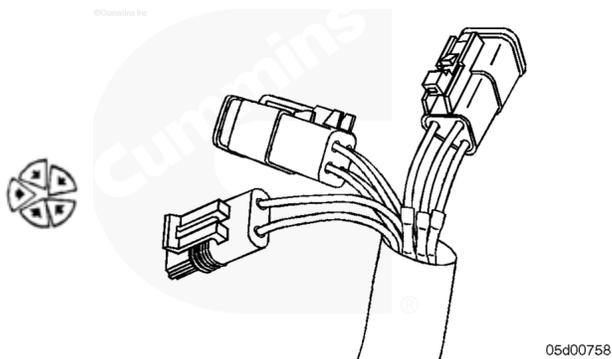
Crimp the matching wires together in the supplied butt connectors of the electrical repair connector.

Use the flameless shrink jet tool, Part Number 3163112, to heat the butt connectors and seal the connections.



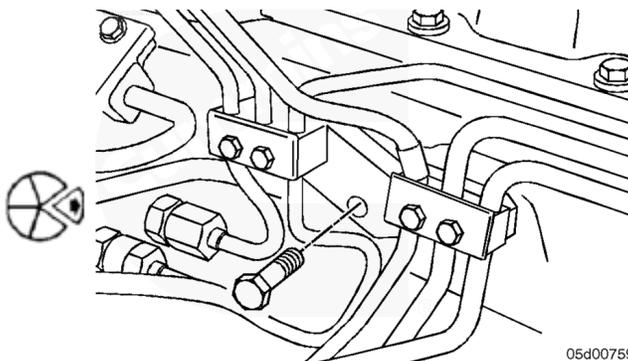
1940044

After installing the jumper harness, wrap the excess wires in electrical tape, then route the wires through the convolute's terminating end. Continue to wrap electrical tape around the convolute at least two times. This will make sure the wires do not fall out and short to ground, or chaff against the convolute's sharp edges.



Remove

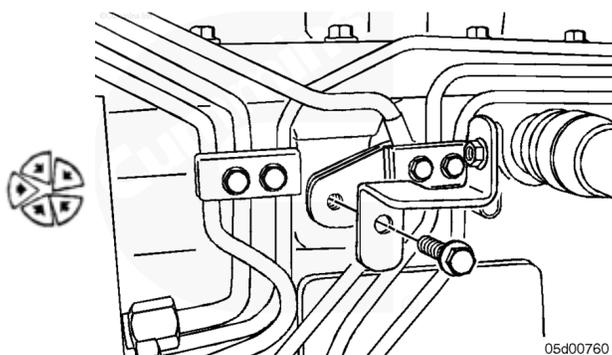
Remove the fuel line bracket 10-mm center capscrew and keep for reuse.



Install

Install the engine harness bracket, Part Number 3965194.

Torque Value: 24 n.m [212 in-lb]



The wiring layout of the pressure sensor is not like other Cummins® pressure sensors. Crimp the wires together as follows:

5 VDC supply

Return

Signal.

Crimp the matching wires together in the supplied butt connectors of the electrical repair connector.

Use the flameless shrink jet tool, Part Number 3163112, to heat the butt connectors and seal the connections.

