INSTALLATION INSTRUCTIONS
FULLY POPULATED FST HARNESS
PART NUMBER 17-0024

READ AND UNDERSTAND THESE INSTRUCTIONS COMPLETELY BEFORE BEGINNING INSTALLATION

The fully populated wiring harness was designed for one internal fuel surge tank fuel pump only. Connections are straight forward as each cable end is labeled.

Find a location to secure the water resistant "FUSE" and "RELAY" mounting tabs (hardware not included).

Line up the "PUMP" connector keyway with the FST bulkhead connector. Gently insert and screw clockwise until tight.

Connect the "GROUND" ring terminal to a clean bare metal chassis surface preferably the (-) battery terminal.
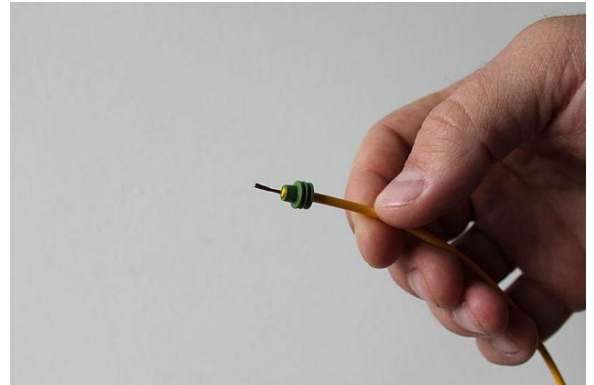
The 12V "POWER" ring terminal should be connected to the (+) battery terminal. If the battery is not accessible, connect to a high current 12VDC source. This circuit is what powers the internal FST fuel pump.

Because of how this harness is configured, the "TRIGGER" wire must come from a 12V source. It is recommended to connect the "TRIGGER" wire to the primary fuel pump relay. This activation will enable both pumps to work simultaneously and protect the vehicle from a potential fire hazard. See the instructions below to properly assemble the included weather pack "TRIGGER" connector. This will make the fuel surge tank electrical system modular.
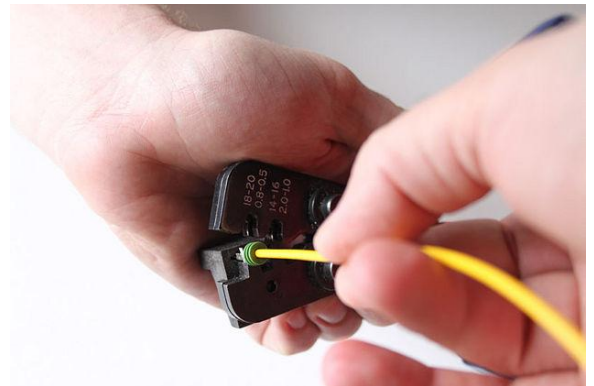
Strip the wire about 3/16".

Slip the included seal over the wire's insulation. It should fit kind of snug on the wire so it will not try to slip when you crimp it.

A high quality Weather Pack Crimping tool (not included) is ideal for a good crimp.

Slip the already stripped wire and seal assembly into the terminal. The smaller portion of the seal should be inside the tangs of the terminal. That way once crimped, the tangs grab the seal and hold it tightly.
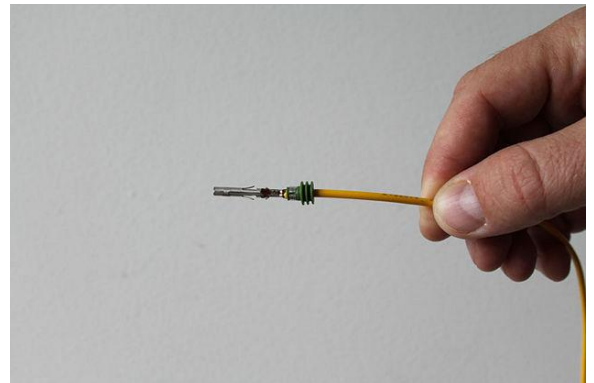
Squeeze the Weather Pack Connector tool's grip to crimp the terminal.

After the terminal has been crimped, the ratcheting mechanism of the crimping tool will release and allow the tool to open, releasing the crimped terminal/wire.

Shown at the right is a properly crimped terminal/seal/wire assembly.

Now you can insert the crimped terminal/wire/seal assembly into the back side of the WeatherPack housing.

Once you've inserted the terminal properly, you will feel it 'click' into place, and it will not pull back out easily due to the retainer tangs.

To remove the terminal at this point you need a Weather Pack Removal tool which makes it very easy to remove the terminals.

Rotate the black plastic retaining hinge tab and lock into place.

The picture shown at the right is how the finished connector should look.