



The adapter temp/voltage sense harness may be installed in-line on dual alternator applications equipped with “smart” regulators, where temp/voltage compensation was not previously implemented. When installed, the regulator compensates charge voltage based on battery temperature. Line loss voltage compensation is limited to 1V above nominal set point.

**Follow these instructions to properly install Adapter Harness**

**NOTICE**

Illustration is used for reference

1. Disconnect vehicle J1939 harness from regulator.
2. Attach vehicle J1939 harness to J1 connector on Adapter harness.
3. Attach other end of Adapter harness into J1939 connector of regulator as shown in Figure 1.
4. Connect black wire with sensor from Adapter harness to the B- terminal on battery.
5. Connect red wire from Adapter harness to B+ terminal on battery.

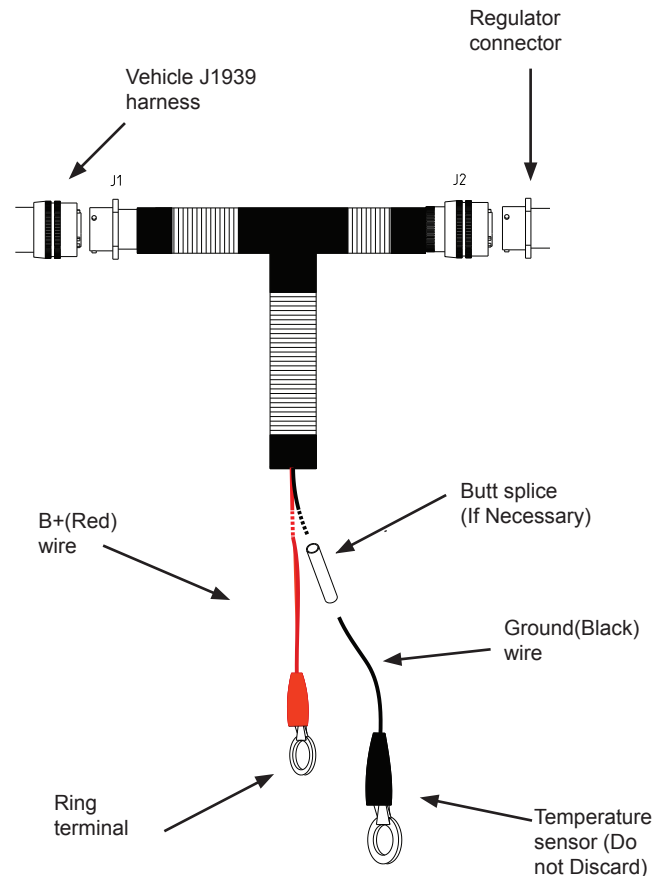
**Note - If wires are not of sufficient length, follow steps below.**

**Black:**

1. Cut wire six inches from B- ring terminal, which includes the Temperature-Voltage sensor.
2. Strip 1/4” from the adapter wire on the harness. Crimp and splice ends with heat shrinkable butt splice.
3. Re-connect sensor terminal wire to harness, with heat shrinkable butt splice.
4. Use heat gun to seal wire with splice.

**Red:**

1. Cut off ring terminal.
2. Strip 1/4” from the harness and new wire leads. Use butt splice to connect two leads.
3. Choose proper size ring terminal and splice at end of wire.
4. Use heat gun to seal butt splice.



**Figure 1: Adapter Harness**