



Regulator Harness Alternator Connector Replacement

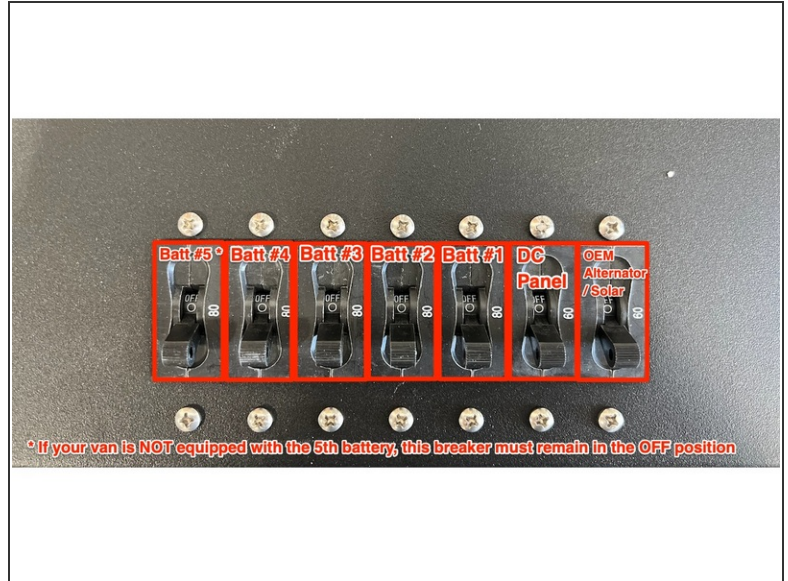
Written By: John Kronuch



 **TOOLS:**

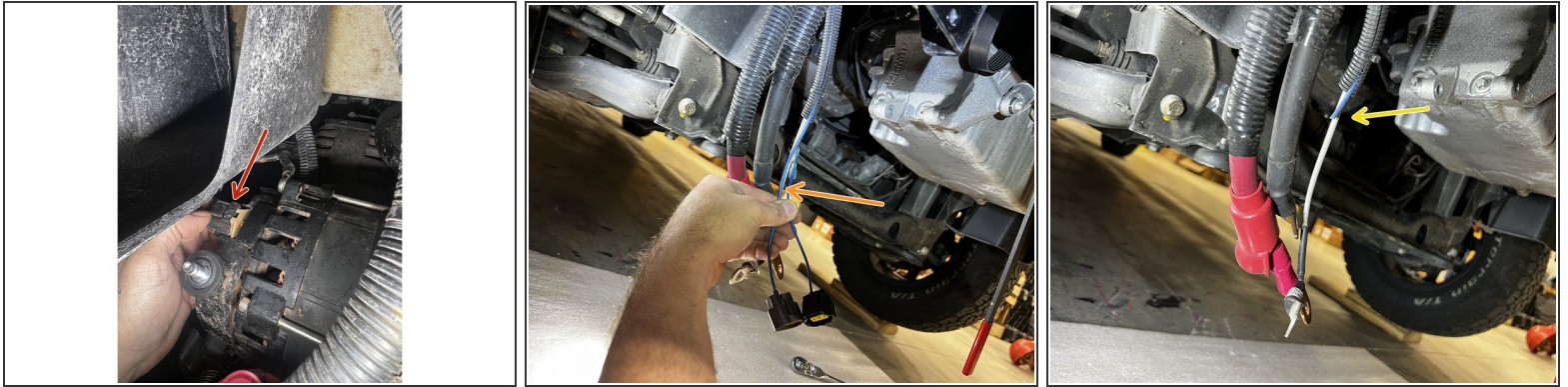
- [Wire Crimpers](#) (1)
 - [Wire Cutters](#) (1)
 - [Wire Strippers](#) (1)
 - [Heat Gun or Torch](#) (1)
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Step 1 — Battery Shut Down



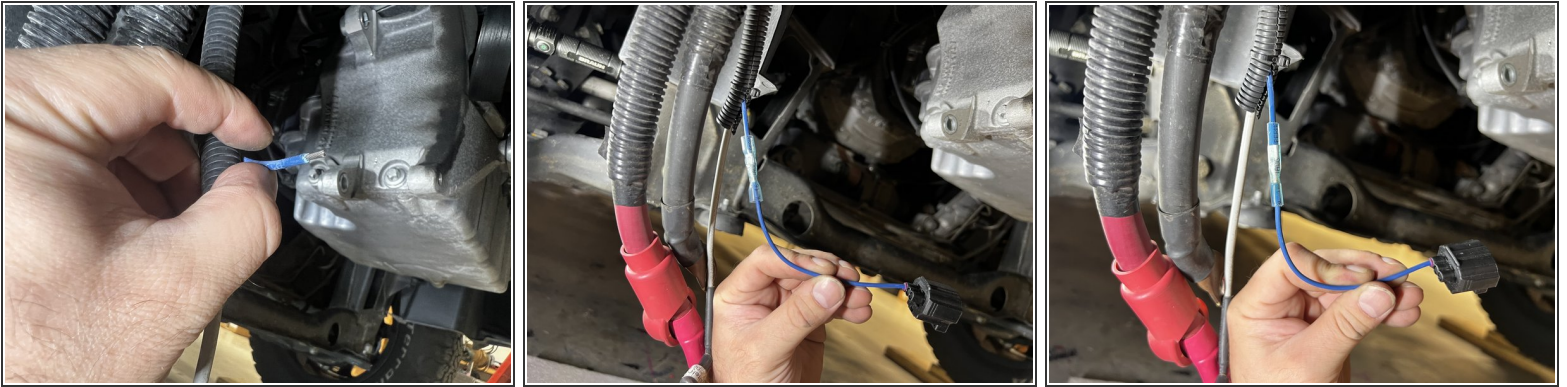
- Ensure your house batteries are off by turning all the breakers off.
- One a 1st Gen system the breakers are located on the front of the bench seat.
- On 2nd Gen and 3rd Gen systems, the breakers are located in the rear battery compartment.
- Ensure the van is NOT running before proceeding.

Step 2 — Regulator Harness - Field Wire Plug Removal



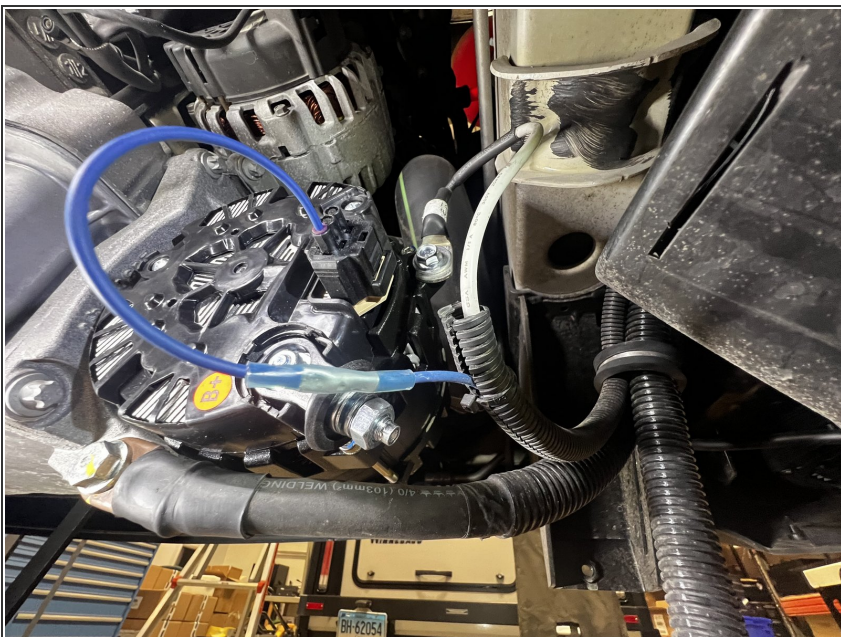
- ① In some images, the alternator is removed. You do NOT need to remove the alternator or disconnect any power/ground wires to install the new alternator pig tail.
- Remove the field wire connector from the back of the alternator by depressing the tab, and pulling the connector out from the alternator.
- Take the new pig tail connector and line up the connector to the original connector. Mark the original connector wire **BELOW** the butt connector. This is where we will cut the old connector off.
- Using a pair of wire cutters, cut the old connector off.

Step 3 — Installing New Connector



- Strip approx. 3/8" of insulation from the wire as shown.
- Slide the butt connector on the pigtail onto the wire you just cut until the wire is fully seated into the butt connector.
- Using a pair of wire crimpers, crimp the butt connector onto the wire. Ensure you have a good crimp, and tug the wire to make sure it does not pull out of the butt connector.
- After you have checked to ensure the crimp is good, use a heat gun or torch to heat shrink the butt connector.

Step 4 — Reinstalling the Connector into the Alternator



- Insert the connector into the alternator. Ensure the connector is fully seated into the alternator by giving the connector a slight tug.
- Once the connector is installed, you can turn all the breakers back on.

