

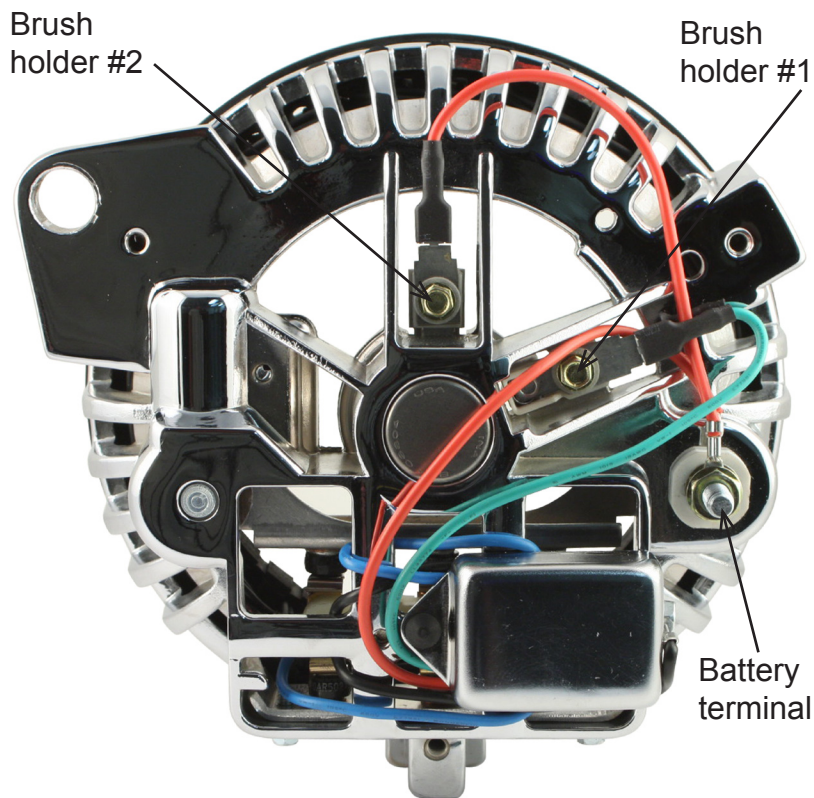


# 7530B REPLACEMENT 1-WIRE VOLTAGE REGULATOR FOR 7509 CHRYSLER ALTERNATORS

**CAREFULLY READ THESE INSTRUCTIONS BEFORE ATTEMPTING ANY MODIFICATIONS!**

Proper modification of this alternator is the responsibility of the installer. Improper modification or installation will void your warranty and may result in vehicle damage or personal injury. If you have any installation questions, call our Tech Service personnel at 216-961-1800 from 7am to 4pm EDT.

Early 1st Gen

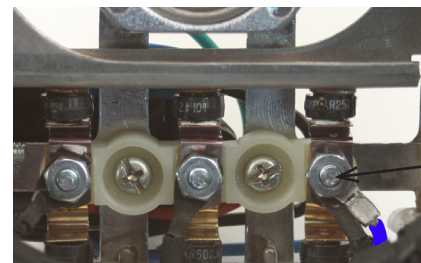


## Wire Color Coding

- Red wire with ring terminal - attaches to the main battery post
- Red wire with slide terminal - attaches to brush holder #2
- Green wire - attaches to brush holder #1
- Blue wire - attaches to the right rectifier/stator terminal
- Black wire - ground - attaches to case.

## DISASSEMBLY

- Disconnect both battery cables and remove alternator from vehicle.
- Scribe or mark a line across the case sides to note the case index position.
- Remove the brush holders.
- Remove the three bolts securing the cases. The stator must remain in the rear case and the rotor will remain in the front case.



Blue wire to right rectifier terminal

Inside case

## ASSEMBLY

- Mount the voltage regulator as shown in the photo.
- The voltage regulator has 4 wires and they should be connected as follows:
  - Red wire with large ring terminal – attaches to the main battery terminal post.
  - Red wire with slide-on terminal - which is connected to above red wire – attaches to brush holder #2 (farthest tab from battery post).
  - Green wire – attaches to Brush holder #1, (closest tab to battery terminal).
  - Blue wire – route through alternator case and attach it to the right rectifier/stator terminal. Make sure that there is no excess blue wire inside the case. It needs to exit the case as shown.
  - Black wire - ground - attached to case.
- Reassemble the cases – verify that the cases are indexed properly and that the rotor spins freely. Reinstall the case bolts - do not over tighten the bolts.
- Reinstall the brush holders: attach the red wire to brush holder #2 (farthest tab from the battery post) and attach the Green wire to brush holder #1 (closest tab to the battery post).
- Reinstall alternator, reattach the wiring and tension the belt, then check that the alternator is charging. Using a VOM meter, verify that the alternator is charging 13.8 volts at 1,000 RPM.