

RETROFITTING THE DELCO REMY 1118437 REGULATOR WITH THE NEW DELCO REMY 10503805, 10503806 or 10503807 VOLTAGE REGULATOR

WARNING!!! ALWAYS USE PROPER EYE PROTECTION WHEN PERFORMING ANY MECHANICAL REPAIRS TO A VEHICLE – INCLUDING, BUT NOT LIMITED TO, REMOVAL AND INSTALLATION OF THE DELCO REMY REGULATORS. FAILURE TO USE PROPER EYE PROTECTION CAN LEAD TO SERIOUS AND PERMANENT EYE DAMAGE.

Only perform the mechanical functions that you are properly qualified to perform. Mechanical repairs that are beyond your technical capabilities should be handled by a professional installation specialist.

GENERAL: The 50VR series regulators are available for installation as a "high side" regulator only. This means that the regulator is located between B+ and the field as opposed to a "low side" regulator (1118437 - 24V) located between the field coil and B- (ground). In order to replace a "low side" 50RD with the 50VR, a simple modification must be made to the 50DN alternator. No alternator modifications are required when replacing a "high side" regulator (1118447 - 24V or 1118443 - 12V) with the 50VR.

Modifying the 50DN:

1. Disconnect the battery(s) from the vehicle.
2. Remove and discard the jumper plate from the alternator B+ post to the F1 terminal.
3. Disconnect the field lead from F2 and connect it to F1.
4. Install the new jumper plate provided between F2 and ground. The ground connection is made by removing the thru-bolt nearest the F2 and installing the star washer and jumper under the thru-bolt. The star washer should be placed between the aluminum housing and the jumper. Torque the thru-bolt to 65-85 lb in and the F1 and F2 nuts to 60-70 lb in (hold the bottom nut when tightening F1 and F2).

Installing the 50VR:

1. Disconnect, separate and label the Ground, Field, Battery and Ignition leads from the 1118437 terminals and remove the regulator.
2. Install the 50VR regulator by the mounting tangs nearest the terminal block. If additional strength is needed, drive self-tapping screws through the rear mounting tangs. Torque mounting screws as needed.
3. Connect the Ground, Field, Battery and Ignition leads to the 50VR. Torque regulator terminal screws to 14-18 lb in. *See Diagram 1.*
4. Connect the Sense terminal (optional) from the regulator to the battery. It is recommended to use the sense terminal when the regulator battery lead is longer than 10 feet. Torque regulator terminal screw to 14-18 lb in. *See Diagram 1.*
5. Connect the vehicle battery(s).

The voltage can be set per your standard voltage setting procedure by accessing the screw through the opening on the front of the 50VR.

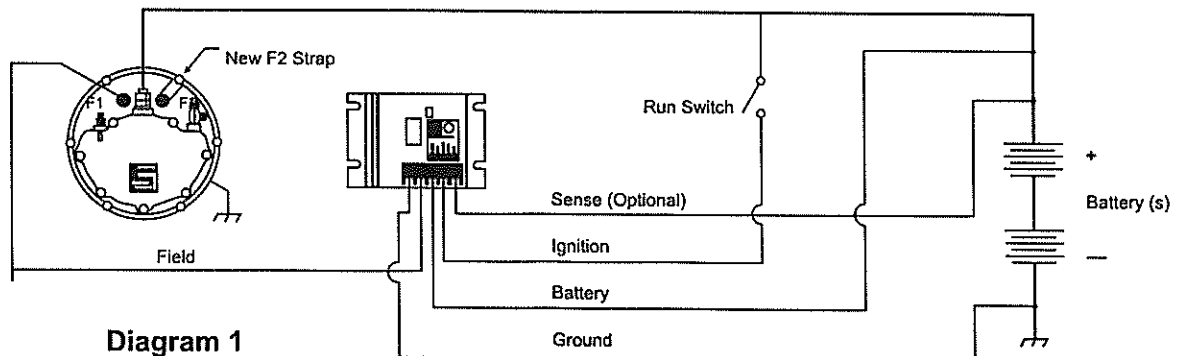


Diagram 1

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