

**RETROFITTING THE DELCO REMY 19020402, 19020403, 19020404, 1118443 or 1118447 WITH THE NEW DELCOREMY 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 VOLTAGE 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.

**DANGER!!!** To avoid injury or damage, always disconnect the negative cable at the battery before removing or replacing the voltage regulator.

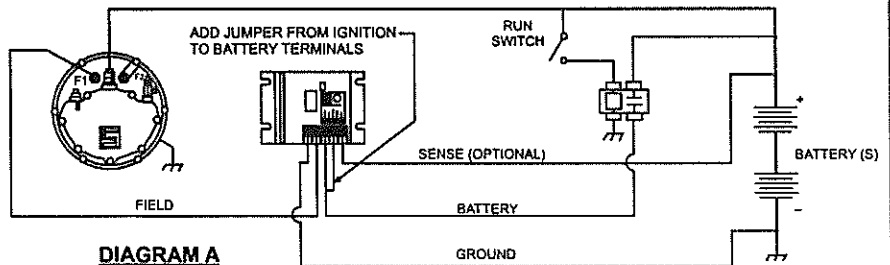
**GENERAL:** No alternator modifications are required when replacing a "high side" regulator [19020403, 1118443 (12V) or 19020402, 19020404, 1118407 (24V)] with the 50VR series [10503807 (12V) or 10503805 (24V), 10503806 (24V)].

**INSTALLING THE 50VR**

1. Disconnect the vehicle battery(s).
2. Disconnect, separate and label the Ground, Field, Battery and Ignition leads from the 19020402, 19020403 or 19020404 terminals, and remove the regulator.
3. Install the 50VR regulator by the mounting tangs nearest the terminal block. If additional strength is needed, drive self tapping screws in the rear mounting tangs. Torque mounting screws as needed.
4. Connect the Ground, Field and Battery leads to the 50VR. Do not torque at this time.
5. 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. Do not torque at this time.

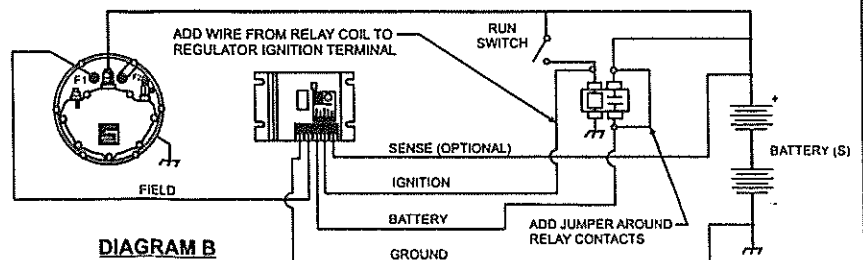
**Option One - Retaining the present relay (See Diagram A):**

1. Connect the jumper strap (supplied) between the new regulator Battery and Ignition terminals.



**Option Two - Removing the present relay (See Diagram B):**

1. Connect a wire between the relay coil positive and new regulator Ignition terminal.
2. Connect an appropriate gauge wire across the relay contacts. The relay may now be removed.



**Continue installing from either option:**

1. Torque each regulator terminal screw to 1.6-2.0 Nm (14-18 lb in).
2. Re-connect the vehicle battery(s).
3. The voltage can be set per your standard voltage setting procedure by accessing the screw through the opening on the front of the 50VR.

**NOTICE** - Only licensed Remy Inc. product and component parts should be used, and the use of other parts or modifications not approved by Remy Inc. will void all applicable warranties. The failure to carefully follow these Installation Instructions, set forth above, will void all applicable warranties. Delco Remy® is a registered trademark of General Motors Corporation, licensed to Remy Inc., Pendleton, IN 46064.