

## INSTALLATION OF CAPACITOR ON DELCO REMY 50VR VOLTAGE REGULATOR

**INTRODUCTION:** This capacitor and harness assembly can be used in conjunction with the Delco Remy 50VR Voltage Regulator when a vehicle application is experiencing higher than normal systems voltage related to excessive electrical noise (erratic voltages) in the application. The addition of the capacitor will reduce the noise to the regulator, allowing it to function properly.

**WARNING!!!** ALWAYS USE PROPER EYE PROTECTION WHEN PERFORMING ANY MECHANICAL OR ELECTRICAL REPAIRS TO A VEHICLE – INCLUDING, BUT NOT LIMITED TO, ANY INSTALLATION AND OR REPAIRS TO THE DELCO REMY REGULATOR. FAILURE TO USE PROPER EYE PROTECTION CAN LEAD TO SERIOUS AND PERMANENT EYE DAMAGE. Only perform the functions that you are properly qualified to perform. Any 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 attempting to install the capacitor assembly. The regulator battery (+) terminal is always live (“hot”). If the cable to the negative (-) battery terminal is not disconnected, a tool accidentally touching this terminal and ground can quickly get hot enough to cause metal splatter. The splatter can cause skin burn or damage to the tool and surrounding parts.

### INSTALLATION PROCEDURES (See illustrations)

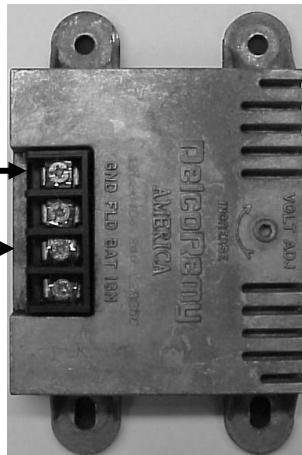
1. Ensure vehicle batteries are disconnected for reasons described above in “DANGER!!!” section.
2. Remove the screw from the 50VR Regulator battery (+) terminal [identified on cover].
3. Place either one of the capacitor lead eyelets on top of the existing battery (+) regulator lead. Replace the screw and torque to 1.4-1.7 Nm (12-15 lb in).
4. Remove the screw from the 50VR Regulator ground (-) terminal [identified on cover].
5. Place the other capacitor lead on top of the existing negative (-) regulator ground lead. Replace the screw and torque to 1.4-1.7 Nm (12-15 lb in).
6. Find a suitable location for the capacitor and routing for the capacitor leads.
7. Attach the capacitor to something suitable, such as heavy wiring and secure with cable ties. The capacitor leads must also be secured to protect the capacitor and harness assembly from vibration.
8. Connect the vehicle batteries.

### CAPACITOR & HARNESS

### 50VR VOLTAGE REGULATOR TYPES



GRD (-)  
 BAT (+)



GROUND (-)  
 BATTERY (-)



Technical support: USA 800 854 0076, Mexico 01 800 000 7378, Brazil 0800 703 3526, South America 55 11 2106 6510 or visit [delcoremy.com](http://delcoremy.com)

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