

PREVOST

ENREGISTRÉ - REGISTERED
ISO 9001 & ISO 14001

MAINTENANCE INFORMATION Mi06-04



DATE : MAY 2006	SECTION : 06 - Electrical
SUBJECT : INSTALLATION OF A CAPACITOR ON DELCO REMY 50VR VOLTAGE REGULATOR	

IMPORTANT NOTICE

This modification is recommended by PrevoSt Car to increase your vehicle's performance. Note that NO REIMBURSEMENT will be awarded for carrying out this modification.

APPLICATION

Model	VIN
XLII MTH Model Year : 2004 - 2006	From 2PCY3349741028165 up to now
H3-45 VIP Model Year : 2004 - 2006	From 2PCV3349441014758 up to now

DESCRIPTION

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.

MATERIAL

Part No	Description	Qty
564017	Capacitor and Harness assembly	1

NOTE

Material can be obtained through regular channels.

PROCEDURE

⚠ WARNING ⚠

Park vehicle safely, apply parking brake, stop engine and set battery master switch(es) to the OFF position prior to working on the vehicle.

⚠ 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.

⚠ DANGER ⚠

To avoid injury or damage, always disconnect the negative (-) cable at the battery before attempting to install the capacitor and harness 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.

1. Ensure vehicle batteries are disconnected for reasons described above in **⚠ DANGER ⚠** paragraph.
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.

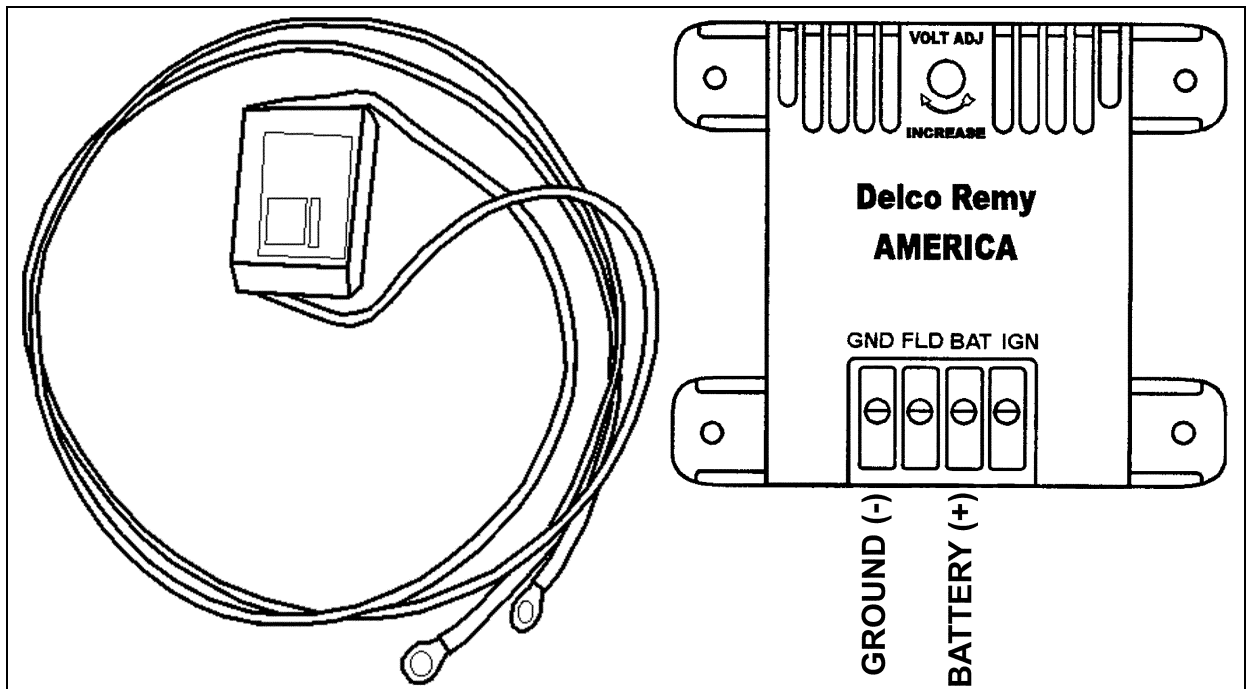


FIGURE 1: 4-TERMINAL VOLTAGE REGULATOR

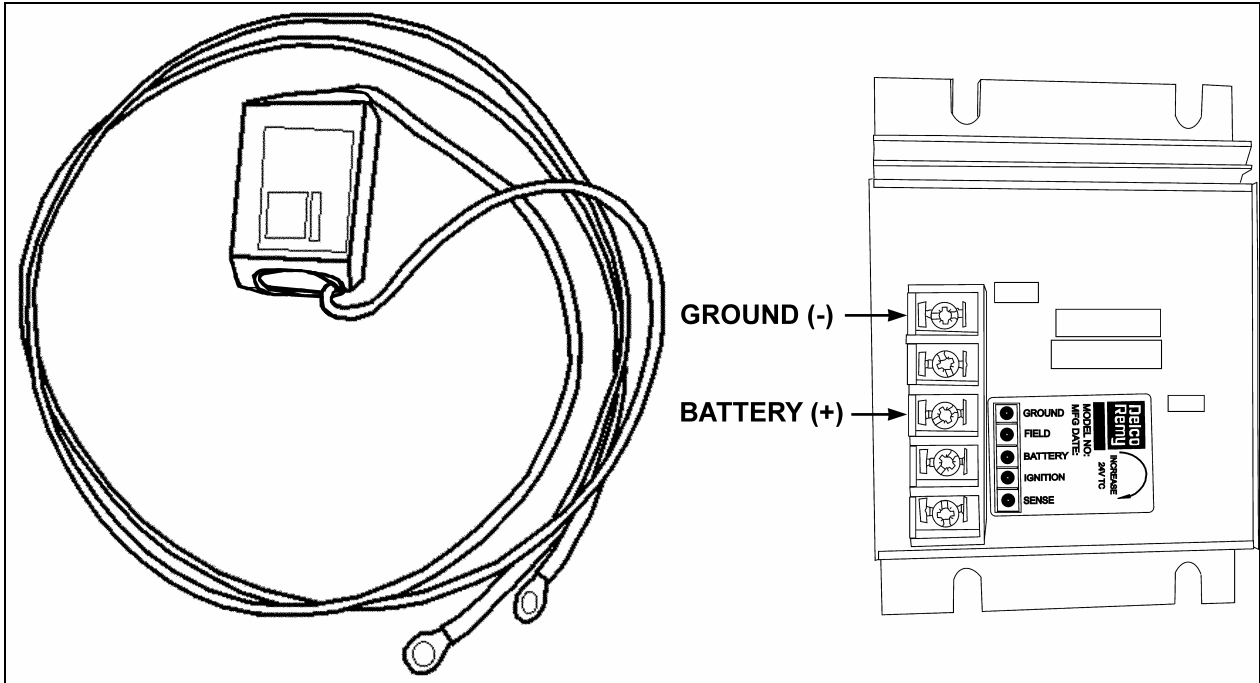


FIGURE 2: 5-TERMINAL VLTAGE REGULATOR

Waste disposal:

Discard according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)