PREVOST

Instruction Sheet IS-97104B

REPLACEMENT OF A 3-TERMINAL OR 4-TERMINAL VOLTAGE REGULATOR WITH A 5-TERMINAL MODEL

REVISION : B

ADDITION OF THE PROCEDURE FOR THE INSTALLATION OF A CAPACITOR ON DELCO REMY 50VR VOLTAGE REGULATOR

MATERIAL

Kit #064717 includes the following parts.

Part No.	Description	Qty
563439	Voltage regulator, 24 volts (5-terminal model)	1
064577	Jumper	1
564017	Capacitor and Harness Assembly	1
IS-97104B	Instruction Sheet	1
FI-97104B	Feuille d'instructions	1

PROCEDURE FOR REPLACING A 3-TERMINAL VOLTAGE REGULATOR WITH A 5-TERMINAL MODEL

⚠ 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.

1. Identify at ''NEG'' terminal of existing regulator, the black wire identified ''0AA'' (or simply ''0'' on some vehicles), disconnect it then reconnect to ''GND'' terminal on new regulator. Tighten terminal screw to 12-15 Lbf-in (Refer to figure 1).

2. Identify at ''FLD'' terminal of existing regulator, the red wire identified ''107'', disconnect it then reconnect to ''FLD'' terminal on new regulator. Tighten terminal screw to 12-15 Lbf-in (Refer to figure 1).

3. Identify at ''POS'' terminal on existing regulator, the red wire identified ''108'' (or ''90F'' on some vehicles), disconnect it then reconnect to ''BAT'' terminal on new regulator. Do not completely tighten terminal screw (Refer to figure 1).

4. Install a jumper #064577 between ''BAT'' and ''IGN'' terminals as illustrated in figure 1 on reverse. Tighten terminal screws to 12-15 Lbf-in (Refer to figure 1).

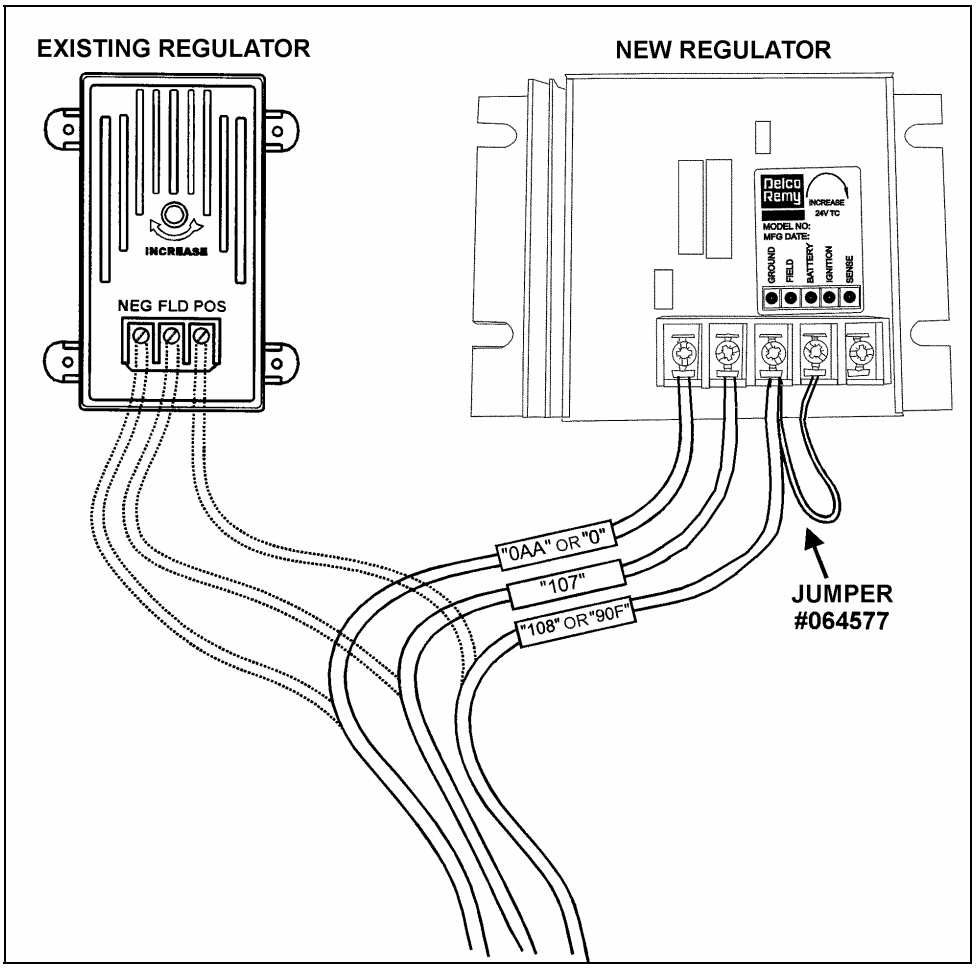


FIGURE 1

PROCEDURE FOR REPLACING A 4-TERMINAL VOLTAGE REGULATOR WITH A 5-TERMINAL MODEL

⚠ 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.

1. Identify at ''GND'' terminal of existing regulator, the black wire identified ''0AA'', disconnect it then reconnect to ''GND'' terminal on new regulator. Tighten terminal screw to 12-15 Lbf-in (Refer to figure 2).
2. Identify at ''FLD'' terminal of existing regulator, the red wire identified ''107'', disconnect it then reconnect to ''FLD'' terminal on new regulator. Tighten terminal screw to 12-15 Lbf-in (Refer to figure 2).
3. Identify at ''BAT'' terminal on existing regulator, the red wire identified ''90F'', disconnect it then reconnect to ''BAT'' terminal on new regulator. Tighten terminal screw to 12-15 Lbf-in (Refer to figure 2).
4. Identify at ''IGN'' terminal on existing regulator, the red wire identified ''85F'', disconnect it then reconnect to ''IGN'' terminal on new regulator. Tighten terminal screw to 12-15 Lbf-in (Refer to figure 2).

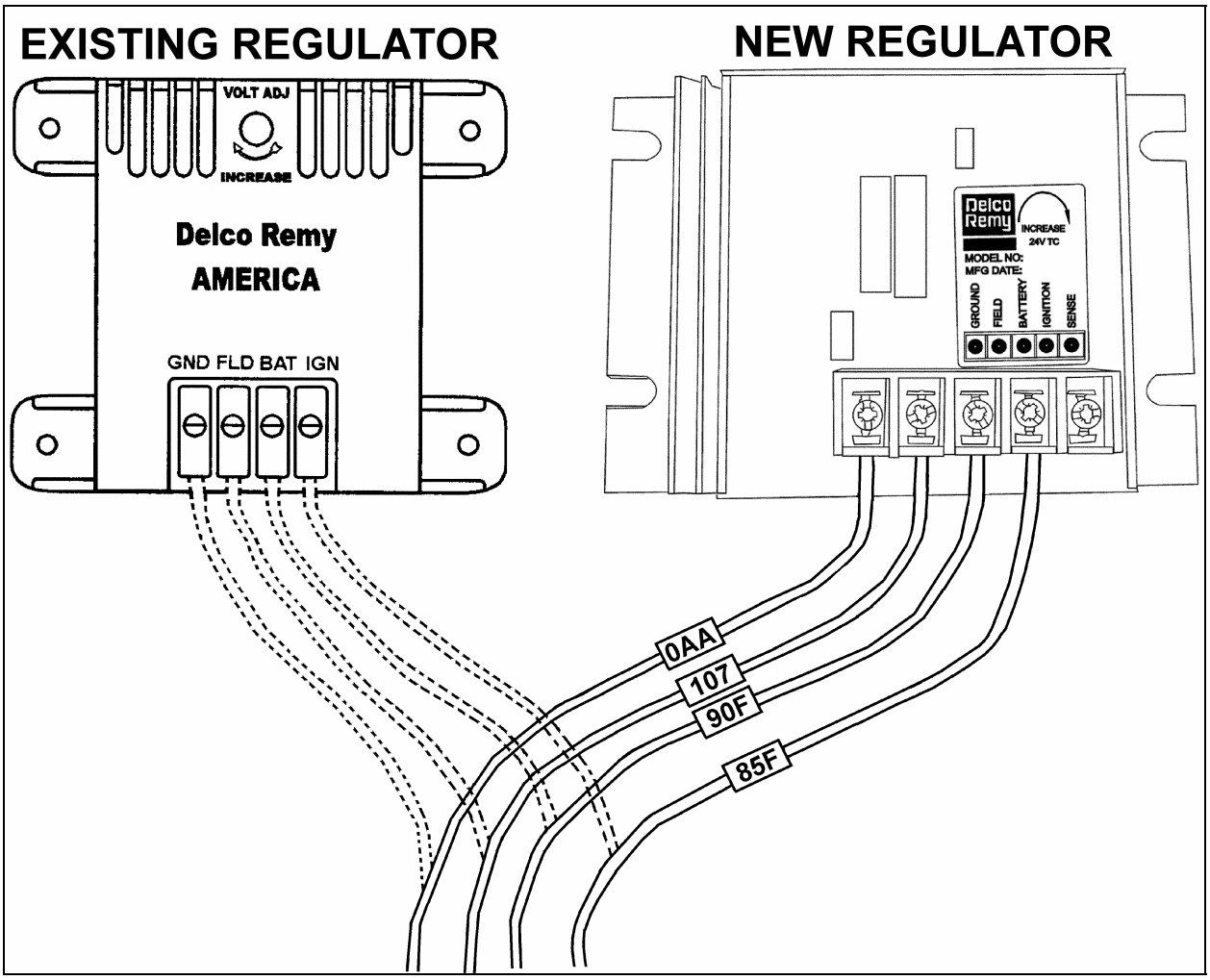


FIGURE 2

PROCEDURE FOR THE INSTALLATION OF A CAPACITOR ON DELCO REMY 50VR VOLTAGE REGULATOR

⚠ WARNING ⚠

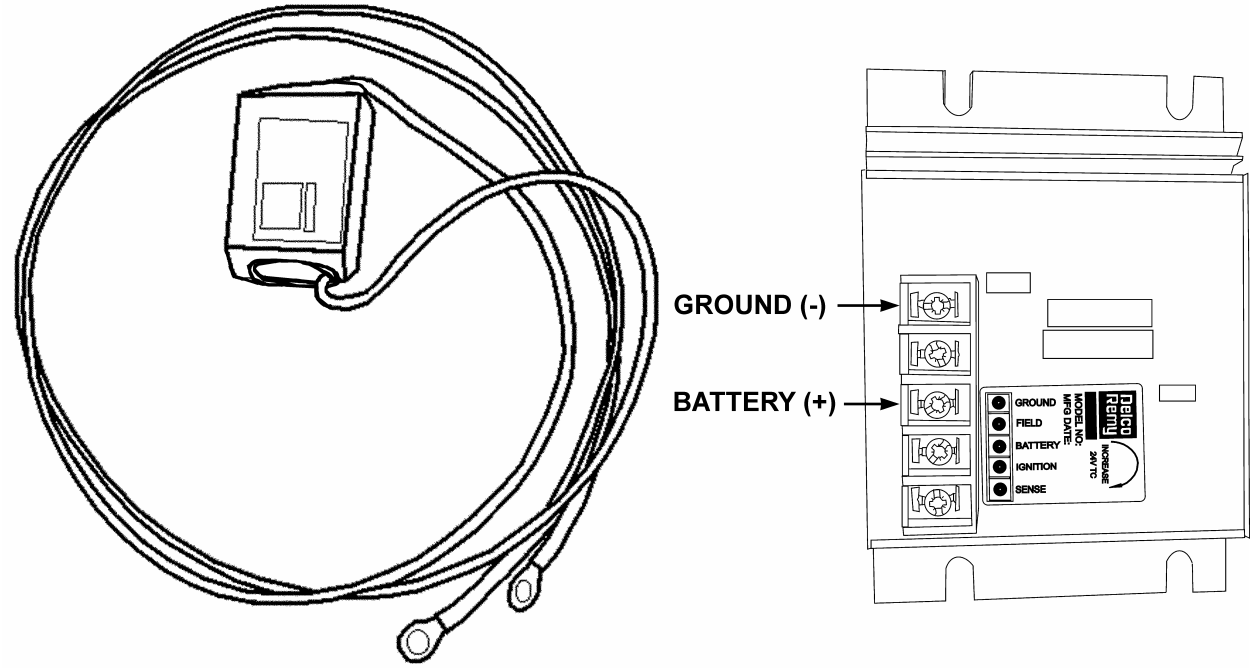
Always use proper eye protection when performing any mechanical or electrical repairs to a vehicle – including, but not limited to, any installation and or repairs to the Delco Remy regulator. Failure to use proper eye protection can lead to serious and permanent eye damage.

⚠ 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.



Waste disposal:

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