**Series 100 Alternators**

**Voltage Regulator Upgrade**

**Installation Instructions**

**CAUTION**

This symbol is used in these instructions to indicate presence of hazards that will or can cause minor personal injury or property damage.


1. Remove alternator cover and existing voltage regulator. Also remove heat sink from front of alternator.

2. From rear of alternator, feed non-crimped end of new green wire through slot near R terminal on new regulator.
   - **A1-165 and N1088** — green jumper wire is not required. Connect black E lead from shell E terminal to R terminal of new regulator. **Y terminal connection is not used.**

3. Cut wire to proper length. Install sleeve, strip wire, then crimp and solder larger terminal to end of wire.

4. Re-install heat sink, connect new green wire to phase terminal closest to output terminal. Do not attach this wire to phase terminal with more than two wires already attached.

5. Install new regulator on alternator and finish wiring as shown in Figure 1.

6. At rear of alternator, attach new green wire to back of R terminal.

7. On INSIDE of alternator cover, use supplied template (II0005A) to cut new opening in cover:
   - a) Drill 1/8” pilot hole, then 9/16” hole.
   - b) Deburr new hole to prevent damaging new switch on new circuit board.

8. Re-install alternator cover.

---

**Voltage Select Switch Position**

<table>
<thead>
<tr>
<th>Voltage Select Switch Position</th>
<th>A2-436 and A2-437 Regulators</th>
</tr>
</thead>
<tbody>
<tr>
<td>Position 1</td>
<td>13.8 V</td>
</tr>
<tr>
<td>Position 2</td>
<td>14.2 V</td>
</tr>
<tr>
<td>Position 3</td>
<td>14.6 V</td>
</tr>
<tr>
<td>Position 4</td>
<td>14.6 V</td>
</tr>
</tbody>
</table>

---

**Figure 1 - Series 100 Wiring**

---

**CAUTION**

Do not allow Y terminal to touch alternator cover upon reassembly. Replace existing terminal with smaller terminal included in package. Install sleeve, then crimp and solder smaller terminal to wire.