Notice Special Requirements

**CAUTION!** This Equipment must be installed, adjusted and started only by a qualified service technician – an individual or agency, licensed and experienced with all codes and ordinances, who is responsible for the installation and adjustment of the equipment. The installation must comply with all local codes and ordinances and with the National Fire Protection Standard for Liquid Fuel Equipment, NFPA 31 (or CSA B139-M91).

**Replacement Parts**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>GeniSys 7505 Replacement</td>
<td>7520U (Includes GeniSys 7505 &amp; 51950U)</td>
</tr>
<tr>
<td>AC Ready Kit</td>
<td>51950U (Includes 51970U &amp; 21905U)</td>
</tr>
<tr>
<td>Terminal Base only</td>
<td>51970U</td>
</tr>
<tr>
<td>Transformer only</td>
<td>21905U</td>
</tr>
</tbody>
</table>

**Specifications**

Transformer Input Voltage: 120 volts  
Transformer Output Voltage: 24 volts

**Installation Instructions**

1. Disconnect power before servicing burner.  
2. Remove existing control.  
3. Remove wiring box knock-out.  
4. Insert white & black wires of transformer, Part No. 21905, through knock-out and secure transformer to wiring box using supplied lock nut.  
5. Connect black wire L1 and white wire L2 to 120 volt power supply in wiring box using wire nuts.  
6. Place baseplate on wiring box. Pull connecting burner wires through main opening.  
7. Reconnect wires to the control (see primary control wiring diagrams for complete wiring instructions). Install control over baseplate and onto wiring box.  
8. Connect red transformer wire with fork connector to R terminal on AC/Ready terminal board. Connect black transformer wire with fork connector to C terminal on AC/Ready terminal board.  
9. Connect white low voltage wire from terminal board to TW on primary control. Connect red wire low voltage wire from terminal board to TR on primary control.  
10. Connect low voltage thermostat wires to AC Ready Kit terminals as shown in wiring illustration on reverse page.

---

**Wiring Illustration on Reverse ▶**
Wiring Requirements for New Installation, Or Direct Replacement

120 VAC Factory Wiring
120 VAC Field Wiring
24 VAC Field Wiring

Transformer

Fan Relay

AC Ready Terminals

AC Relay

Thermostat

Oil Primary

120 VAC Factory Wiring
120 VAC Field Wiring
24 VAC Field Wiring