



Caution- Repair must be performed by a qualified service technician.

Major Steps	Graphics/Key Points
<p>Tools needed to replace or install new igniter assembly</p> <ol style="list-style-type: none"> 3/8" wrench 9/16" wrench 5/16" nut driver Phillips screw driver <p>Removing old pilot assembly:</p> <ol style="list-style-type: none"> Shut off power and fuel before proceeding. Using a 3/8" wrench to remove thermocouple. Release Molex plug by pulling back on the white clip then press in the black tab then pull back and remove plug. (Fig. 3) <ol style="list-style-type: none"> This may difficult. Be careful not to damage the connector. <p>New pilot assembly with use of transition plate:</p> <p>NOTE: The transition plate is only necessary if converting rectangular pilot shroud with smaller pilot shroud. See Fig. 2 for example of assembly stack up.</p> <ol style="list-style-type: none"> Attach transition plate to existing hole for pilot in pan Slide new pilot assembly through hole of transition plate and mount pilot assembly to plate 	<div data-bbox="933 472 1356 1024" data-label="Image"> </div> <div data-bbox="812 1165 1477 1911" data-label="Image"> </div>



Installing new pilot assembly:

- 7) Connecting pilot tube to valve box.
 - a. Ensure correct configuration of the ferrules. (Fig. 2)
 - b. Insert tube into coupler until it stops. (Fig. 1)
 - c. Hand tighten compression nut onto pilot tube coupler.
 - d. Tighten the compression fitting using a 9/16" wrench 1 ¼ turns.
 - a. As a guide make a mark on the compression nut to help assist the amount of rotations. (Fig. 2)
 - e. Pull and twist pilot tube to ensure that tube is tight.
- 8) Connect the thermocouple to the fitting.
 - a. Tighten to snug using a 3/8" wrench.
 - a. Over tightening will damage the connection.
 - Hand tighten then using a 3/8" wrench tighten 2 flats on nut or until snug fit
 - b. Do not spin fitting as this may cause the contacts to touch on the inside of the box.
- 9) Connect the Molex igniter wires.
 - a. Connect Molex until it snaps in place.
 - b. Push in the lock.
- 10) Turn on power and fuel.



Caution:

- 11) Thoroughly check connections for leaks with leak detector.
- 12) No thread sealer is required for installation.

