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

Major Steps | Graphics/Key Points
---|---
Tools needed to replace or install new igniter assembly
a. 3/8" wrench
b. 9/16" wrench
c. 5/16" nut driver
d. Phillips screw driver

Removing old pilot assembly:
2) Shut off power and fuel before proceeding.
3) Using a 3/8" wrench to remove thermocouple.
4) Release Molex plug by pulling back on the white clip then press in the black tab then pull back and remove plug. (Fig. 3)
   a. This may be difficult. Be careful not to damage the connector.

New pilot assembly with use of transition plate:
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.
5) Attach transition plate to existing hole for pilot in pan
6) Slide new pilot assembly through hole of transition plate and mount pilot assembly to plate
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.