
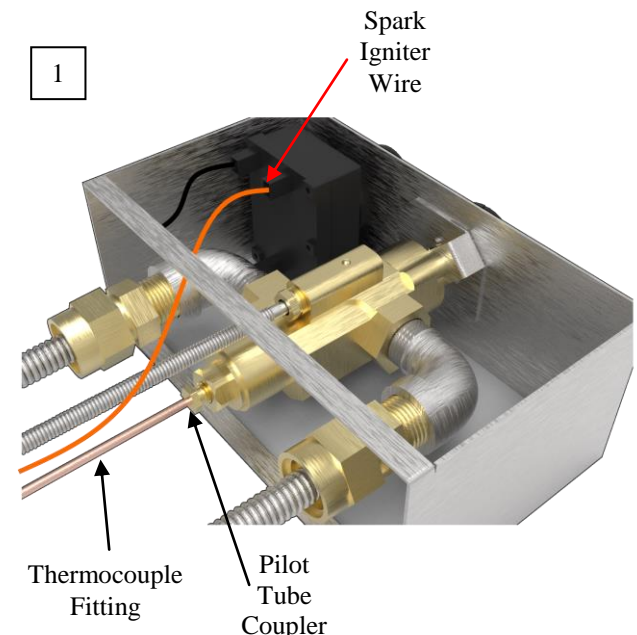




Caution- Repair must be performed by a qualified service technician.

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 7/16" wrench 5/16" nut driver Phillips screw driver <p>Removing old pilot assembly:</p> <ol style="list-style-type: none"> Shut off fuel before proceeding Use a 3/8" wrench to remove thermocouple Use a 7/16" wrench to remove pilot tube Disconnect spark igniter from igniter module <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 <p>Installing new pilot assembly:</p> <ol style="list-style-type: none"> Connecting pilot tube to valve <ol style="list-style-type: none"> Install new 433 compression fitting Insert tube into compression fitting until it stops. (Fig. 1) Tighten the compression fitting using a 7/16" wrench 1 full turn (or until compression is tight) <ol style="list-style-type: none"> As a guide make a mark on the compression nut to help assist the amount of rotations. Pull and twist pilot tube to ensure that tube is tight. Connect the thermocouple to the valve <ol style="list-style-type: none"> Tighten to snug using a 3/8" wrench. <ol style="list-style-type: none"> Ensure thermocouple nut adaptor is installed to ensure correct threads (if applicable) Over tightening will damage the connection <ul style="list-style-type: none"> Hand tighten, then using a 3/8" wrench tighten 2 flats on nut or until snug fit Connect spark igniter to spark module <ol style="list-style-type: none"> Ensure that connector is fully seated onto module Turn on fuel <p> Caution:</p> <ol style="list-style-type: none"> Thoroughly check connections for leaks with leak detector. No thread sealer is required for installation. 	<p>Graphics/Key Points</p> <p>1</p>  <p>2</p> 