

# MGB/DV/USC PILOT ASSEMBLY REPLACEMENT INSTRUCTION FOR PRE-2005 NATURAL, LP, STANDING, SPARK, AND HOT SURFACE PILOT ASSEMBLIES

Kit installation shall be completed by qualified agency.

## **⚠ WARNING**

Fire, explosion, asphyxiation and electrical shock hazard. Improper installation could result in death or serious injury. Read this instruction and understand all requirements, including requirements of authority having jurisdiction, before beginning installation. Installation not complete until appliance operation verified per Installation, Operation & Maintenance Manual provided with boiler.

## **PILOT REPLACEMENT INSTRUCTIONS**

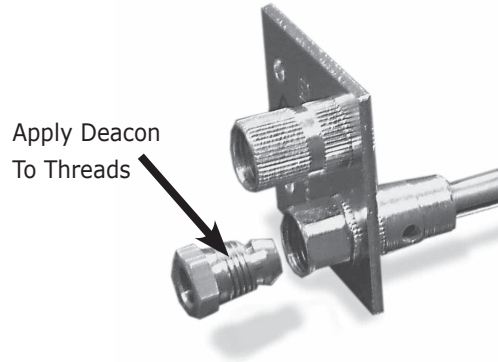
1. Follow instructions To TURN OFF GAS TO APPLIANCE found on Operating Instructions label on boiler or in Installation, Operation & Maintenance Manual. Verify all electrical power to boiler is turned off.

## **⚠ WARNING**

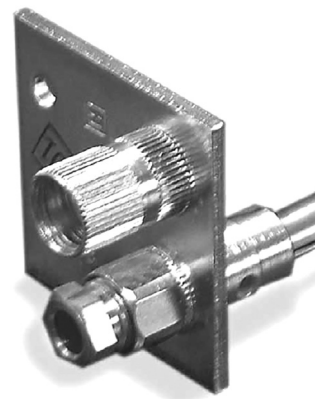
Electrical shock hazard. Turn OFF electrical power supply at service panel.

2. Remove front door panel from boiler.
3. Follow instruction TO TURN OFF GAS TO APPLIANCE. Verify electrical power is OFF.
4. Apply 3-4 drops of Deacon Sealant on compression fitting threads of pilot assembly. See Figure 1.
5. Verify pilot orifice (not shown) is in place. Insert compression fitting into pilot assembly and finger tighten. Pilot assembly should resemble Figure 2.
6. Insert pilot tube into pilot assembly through compression fitting and tighten with wrench. See Figure 3.
7. Install new pilot
8. Insert 1/8" compression fitting into gas valve and finger tighten. Sealant is NOT required at connection. See Figure 4.
9. Insert other end of pilot assembly through fitting on gas valve and tighten with wrench. See Figure 5.
10. Check for leaks in all connections with soap and water solution.

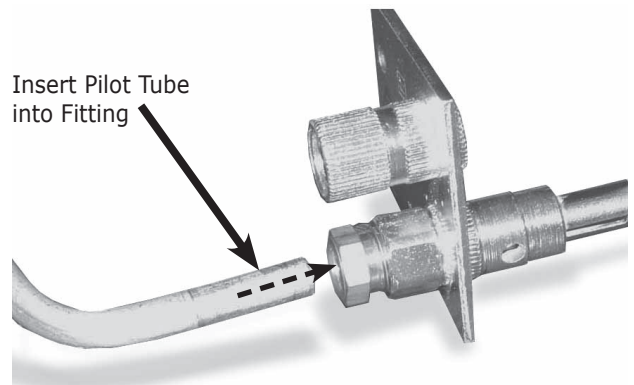
**Figure 1 - Pilot Assembly**



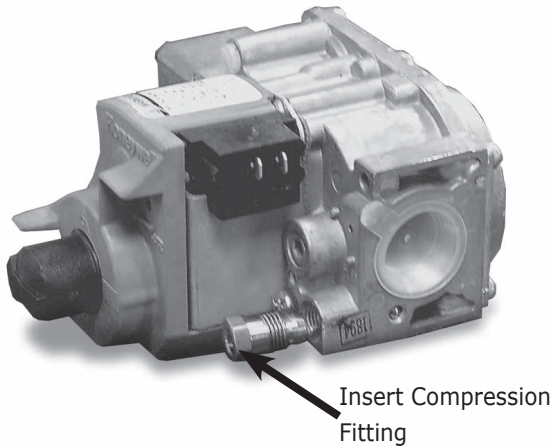
**Figure 2 - Pilot Assembly With Compression Fitting In Place**



**Figure 3 - Pilot Assembly With Pilot Tube Insertion Into Compression Fitting**

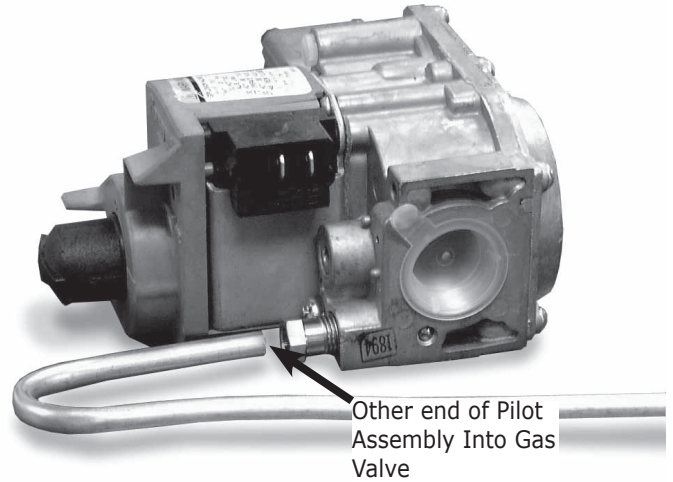


**Figure 4 - Gas Valve With Compression Fitting**



Gas valve may not look as shown. Refer to specific application for more information.

**Figure 5 - Gas Valve With Pilot Tube Insertion Into Compression Fitting**



KIT #	KIT DESCRIPTION	PART NO.	DESCRIPTION
2380002	Kit, Pilot Tube Assy, Nat. Stdg. 20½" MGB	PB-011.03	Pilot, Standing Q380A1005 HW Nat.
2380003	Kit, Pilot Tube Assy, Nat. Spark 20½" MGB/DV	PB-011.01	Pilot, Spark Q381A1003 HW Nat.
2380004	Kit, Pilot Tube Assy, Nat. Hot Surface 24¼" USC	PB01401	Pilot, Hot Surface Q3450B1039 HW Nat.
2380005	Kit, Pilot Tube Assy, LP Stdg. 20½" MGB	PB-011.04	Pilot, Standing Q380A1005 HW LP
2380006	Kit, Pilot Tube Assy, LP Spark 20½" MGB/DV	PB-011.02	Pilot, Spark Q381A1011 HW LP
2380007	Kit, Pilot Tube Assy, LP Hot Surface 24¼" USC	PB01402	Pilot, Hot Surface Q3450B1112 HW LP

**COMPONENTS LISTED BELOW ARE COMMON TO ALL SIX (6) KITS IN THIS INSTRUCTION.\***

KIT #	PART NO.	DESCRIPTION
2380002, 2380003, 2380004 2380005, 2380006, 2380007	14662087	Fitting, 1/8" Gas Valve (2)
	1265043	Instruction Card, Deacon Sealant
	1440010	Sealant, Deacon 770 L - ½ oz.
	14615005	Pilot Tube 1/8" x 24" ALUM

**\* Pilot orifices are included as part of individual pilot assemblies.**