HM G Delta Classic
Pilot Tubing Replacement Kit

Kit Part Numbers: PGRKIT36

Parts List
1. Pilot Tubing
2. Compression Fittings
3. 2 - Phillips head screw.

WARNING

Indicates a potentially hazardous situation which, if ignored, can result in serious injury or substantial property damage.

NOTICE

Indicates special instructions on installation, operation or maintenance, which are important to equipment but not related to personal injury hazards.

WARNING

Failure to follow instructions below can result in severe personal injury or damage if ignored.

- Instructions are for a qualified installer/ service technician.
- Read all instructions before proceeding.
- Follow instructions in proper order.

WARNING

For your safety, turn off electrical power supply at service panel before proceeding to avoid possible electrical shock hazard. Failure to do so can cause severe personal injury or death.

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Removal of the Burner

1. Ensure power to the unit has been disconnected prior to removal of the burner assembly.

2. Disconnect the snap-set plug located on the bottom right side of the windbox. Depress the tab and grip the body of the snap-set to prevent damage to the incoming wire leads when disconnecting.

3. Disconnect the 24v wire leads to the burner control module located on the lower left side of the windbox.

4. Lift and remove the air inlet tube from the blower housing flange. If necessary, disconnect any air inlet piping connected to the unit prior to removing the air inlet tube.

5. Turn the main manual gas shut-off valve at the unit to the OFF position.

6. Disconnect the gas supply piping at the inlet of the gas valve.

WARNING

Failure to disconnect electrical supply and close the gas shut-off valve can cause severe personal injury, death or substantial property damage

7. Dismount and remove the burner assembly from the unit by removing the (2) 17mm mounting nuts located to the left and right side of the windbox.

NOTICE

The service technician may need to remove the burner control module from the top of the windbox to allow ease of removing the burner assembly from the combustion chamber.

WARNING

Care must be taken when removing the burner assembly from the unit as not to damage the pilot assembly and burner insulation.

WARNING

Inspect and ensure the pilot hood assembly and insulation gasket are free of damage. Replace as needed.

8. Remove the (4) mounting screws securing the front cover plate of the windbox. Set the front cover plate and screws aside.

9. Disconnect the pilot gas tube from the gas valve.

10. Disconnect the pilot tube from the pilot assembly bracket. Use care not to damage the pilot assembly or the ignition cable.

11. Remove pilot tubing from the burner assembly

Installing New Pilot Tubing and the Burner Assembly

1. Guide the new pilot tubing from the gas valve through the windbox and burner plate to the pilot assembly. Ensure the tubing is free of sharp bends and is not pinched.

NOTICE

To guide the tubing through the windbox penetration do not have the fittings on the tubing ends.

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WARNING

Prior to re-installing the pilot tubing onto the gas valve and pilot assembly, ensure the burner plate insulation gasket is free of deterioration and damage. Replace as needed. Failure to replace a damage insulation gasket can cause potential flue gas leakage.

2. Reconnect the pilot tubing to the pilot assembly. Ensure the brass fitting is tight. No pipe sealant is required.

3. Reconnect the pilot tube to the gas valve. Ensure fitting is tight. No pipe sealant is required.

4. Use silicon sealant to reseal around the pilot tubing penetration of the windbox.

5. Mount the front cover plate onto the windbox and secure with existing (4) screws.

6. Remount the burner assembly into the combustion chamber. Use care not to damage the burner mounting plate insulation gasket, pilot tubing or the spark ignition cable when inserting the burner assembly into the combustion chamber.

WARNING

Extreme care must be given when inserting the burner assembly into the combustion chamber to prevent damage to the insulation gasket, pilot gas tubing and ignition cable.

7. Secure the burner assembly using the (2) 17m mounting nuts located to the left and right side of the windbox.

WARNING

Check the perimeter of the burner mounting plate and ensure a seal exist between the insulation and the combustion chamber opening.

8. Re-seat the combustion air inlet tube onto the blower flange. Reconnect the air inlet piping to the unit as needed.

9. Reconnect the snap-set on the right side of the windbox.

10. Reconnect the burner control 24v wire leads on the lower left side of the windbox.

11. Reconnect the gas supply piping to the gas valve.

12. Open the main gas valve shut-off valve and perform a leak test at all gas piping connections near the unit.

WARNING

Do not check for gas leaks with an open flame. Use a gas detector or a bubble test. Failure to check for gas leaks can cause severe personal injury, death or severe property damage.

13. Reconnect electrical power to the unit returning the unit back into service.