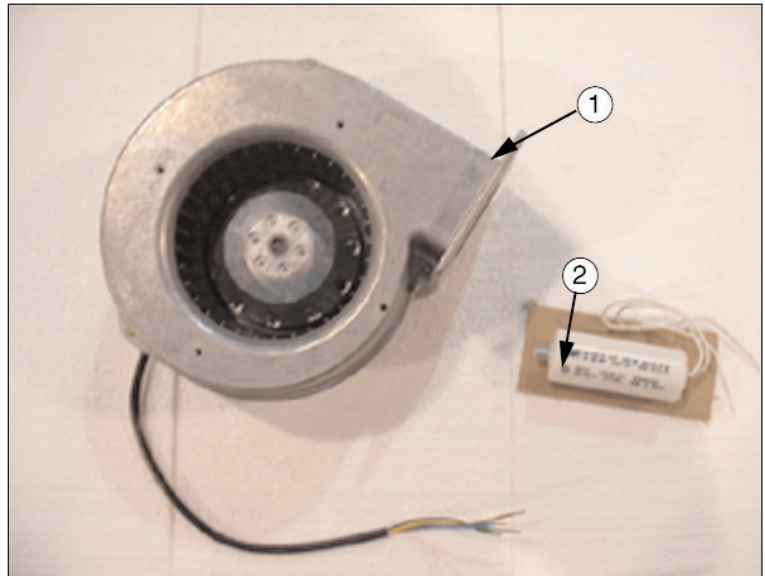

HMG Delta CLASSIC Blower & Capacitor Replacement Kit



Kit Part Numbers: PGRKIT30

Parts List

- 1- Blower
- 2- Capacitor



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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Blower & Capacitor Replacement Kit

Removal of Blower Assembly

1. Ensure power to the unit has been disconnected prior to removal of the blower and capacitor.
2. Turn the main manual gas shut-off valve at the unit to the OFF position.
3. 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.

4. 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.
5. 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.
6. 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.

WARNING

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

NOTICE

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

WARNING

Inspect and ensure pilot hood assembly is free of damage. Replace as needed.

WARNING

Inspect the burner plate insulation gasket. If the burner plate insulation is damage or show signs of deterioration, replace the insulation gasket. Failure to replace a damage insulation gasket can cause flue gas leakage for the burner assembly, resulting in severe personal injury or death

8. Remove the (4) mounting screws securing the front cover plate of the windbox. Set the front cover plate and screws aside.
9. Remove the mounting nut and washer to dismount the capacitor from the windbox.
10. Remove the mounting screws and cover plate on the snap-set plug assembly on the side of the windbox.
11. Remove the wire leads from the top four terminals on the snap-set plug. These terminals are located on the orange side of the snap-set assembly.
12. Dismount the blower assembly from the windbox by removing the (4) mounting screws using a L-key wrench.
13. Remove the air inlet flange and retainer ring from the old blower. Do not discard as they will be used on the new blower.

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Blower & Capacitor Replacement Kit

Installing Blower Assembly

1. Place the air inlet flange and retainer ring onto the new blower and secure with screws.
2. Mount the blower assembly onto the windbox using the existing (4) mounting screws. Ensure screws are tight and blower is secure.
3. Mount the new capacitor onto the windbox and secure with the existing nut and washer.
4. Attach the wire leads to the snap-set terminals as follows:
 - Green blower lead to B4 terminal
 - Tan blower lead to S3 terminal
 - White capacitor lead to S3 terminal
 - White capacitor lead to T2 terminal
 - Black blower lead to T2 terminal
 - Blue blower lead to T1 terminal

NOTICE

The snap-set terminal are arrange with B4 at the top terminal followed by S3, then T2, and finally T1.

5. Replace the snap-set cover plate and secure with existing screws.
6. Replace the front cover plate of the windbox and secure with the (4) existing screws.
7. Remount the burner assembly into the combustion chamber. Use care not to damage the burner mounting plate insulation, pilot gas 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.

8. Secure the burner assembly using the (2) 17mm 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 gasket and the combustion chamber opening.

NOTICE

Additional insulation on the tank body located behind the blower assembly may need to be remove to avoid interference.

9. Re-seat the combustion air inlet tube onto the blower flange. Reconnect the air inlet piping to the unit as needed.
10. Reconnect the snap-set on the right 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.