

DB406P

The ultimate upgrade made from Silicon Nitride, robust and durable. This direct drop in upgrade replaces Lochinvar PLT3400

- 3 year warranty
- Simple to fit
- Direct drop in replacement
- Used in following
- Replaces the following Part Number; Lochinvar PLT3400, Glowcore HSRK-5,1950006 and Spiral Igniter FY011

Replaces
Lochinvar
PLT3400,

Glowcore
HSRK-5
1950006

Spiral Igniter
FY011

Used in the following appliances

Charger
Charger (CNR/CLR 125-75 thru 501-080)
Charger (CNR/CLR 625-080 thru 726-080)
Charger DV (DNR/DLR/DNA, DLA)
Charger Power DV (PNR Models)

Copper-Fin
Copper-Fin (CB/CW 495-745 Beginning Serial ##G04H00166418)
Copper-Fin (CB/CW 986-2066)
Copper-Fin (CB/CW/CS 985-2065 Starting Serial # A950000)
Copper-Fin (CB315-500 CW90-500) Copper-Fin
(CW/CB/CS 475-3080)
Copper-Fin II (CH-CF 991-2071)
Copper-Fin II (CH/CF/CP 300-750)
Copper-Fin II (CH/CF/CP 401-751 After Serial # L03H00160759)
Copper-Fin II (CH/CF/CP 401-751 Before Serial # L03H0016XXX)
Copper-Fin II (CH/CP/CF 990-2070 Beginning Serial # G936199)
Copper-Fin2 Pool Heater (CP 991-2071)

Copper-Pak

Copper-Pak (RW Discontinued Models)

Custom Hi-Power
(CHP/HHP/HH/HV)

Efficiency
Efficiency+ (EB/EW 100-300 Starting Serial # A05H00172365)
EfficiencyPac (EP150-300 Starting Serial # A05H00172365)

Electric Booster
Electric Booster (SB) EnergyRite2 (ER151-401)

Intelli-Fin
Intelli-Fin (IB/IW 1500-2000) KNIGHT Boiler
(KB 80-500)

KNIGHT
KNIGHT Heating Boiler

Mini-Fin/
Mini-Fin/Copper-Fin (RB/RW 045-360)
Mini-Fin/Copper-Fin (RB/RW 399-500)

Power-Fin
Power-Fin (PB/PF 1500-2000 Starting Serial #F05H00176841)
Power-Fin (PB/PF 1500-2000)
Power-Fin (PB/PF 250-1000)
Power-Fin (PB/PF 501-1300 Starting Serial #A05H00172528)
Power-Fin (PF/PB 501-1300 Starting Serial #A05H00172528)

Pumps Residential Electric
Pumps Residential Electric (ET/ES/EC/MT/JR/ST/SS/SC)

Residential Gas
Residential Gas (ES/ET/SS/ST/DD)
Residential Gas Direct Vent (DV 030, 040, 050, 075)
Residential Gas Direct Vent/Balanced Flue (BF 040-050)
Residential Gas FVIR (LS, LT, XS, XT Models)
Residential Gas Manufactured Home (MD 30-40)
Residential Gas Oil Fired (BRE)
Residential Gas Power Direct Vent (PRN/L & SRN/L) Residential Gas Power Vented (DV 041-051)
Residential Gas Power Vented (DV 052-076, PV 050-075)

Solution Boiler
Solution Boiler (CB45-260) Standard
Hi-Power (HS/HC) TurboCharger
(TNR Models)

The logo for Direct Brand features the word "direct" in a lowercase, orange, sans-serif font, followed by "brand" in a lowercase, black, sans-serif font. A small orange flame icon is positioned above the letter 'i' in "direct". A trademark symbol (TM) is located at the top right of the word "brand".

directbrand™

Warranty

Direct Brand will, during the period of warranty from the date of purchase, replace the igniter, free of charge, where it is faulty due to defective materials or workmanship.

This warranty is only valid in the United States of America and Canada, 3 years from date of purchase, and on production of the original sales receipt or invoice together with the faulty product.

You may not claim under this warranty when the igniter is damaged as a result of accident, commercial use, fair wear and tear or misuse (including, without limitation failure to use the igniter for its normal purpose, in accordance with the instructions or use in a manner inconsistent with applicable local technical or safety standards).

Any adaptation or adjustment to, or alteration of, the igniter carried out for any reason, whether properly carried out or not. Where permitted under applicable law, this warranty will be your sole and exclusive remedy for breach of any warranty, guarantee or condition, express or implied, in respect of this product and neither Direct Brand nor their suppliers will be liable for any incidental or consequential loss or damage.

Fitting Instructions



Fitting Instructions

Please read all these instructions to the end carefully before beginning installation.

1. Identify which type of hot surface igniter is inside your appliance.
2. Unplug your existing igniter, retaining all fittings, and match it up with diagrams above (this can also be done by comparing the top end view of the base type).
3. Compare the position of the ridge on your existing igniter carefully to the top view diagram. Ensure that you have the correct igniter type. Take your time to identify this carefully.
4. Referring to the centre bottom diagram, break off the tabs indicated, preferably with thin nose pliers.
5. Cut off the plug from your appliance, as close to the plug as possible. Make sure there is enough lead to work with. Bare one quarter of an inch of wire.
6. Fit the universal adaptor to the appliance using existing screws.
Once the universal adaptor is fitted, screw the igniter into the adaptor, as per the final diagram, using the screw provided.
7. Attach the wires from the appliance onto the igniter, by twisting the bared ends together, matching one wire from the igniter, to one wire from the controller (please refer to diagram).

8. Finally, take the terminal caps provided and screw down tight over the joined bare wires, ensuring that no bare wires are showing. If necessary, the igniter wires can be cut to length.
9. Check installation is secure and safe, routing leads away from the burner.

Commissioning 1. Turn on the gas supply and electrical supply to the appliance.

2. Set the room thermostat for heat.
3. Test furnace for proper ignition and operation.
4. Verify that the Power-On LED, on the power module, is on during the Glo-Stix™ igniter warmup.
5. During igniter warm-up, using a true RMS voltmeter, measure the voltage across the igniter. Voltage should be between 50 VAC and 120 VAC.
6. Make sure the Glo-Stix™ igniter does not remain energized in the flame for more than a few seconds.
7. Replace the burner compartment door.
8. Place Glo-Stix™ upgrade label on front of the appliance, write the date of installation and your contact details.

We strongly recommend that the installation is carried out by a qualified gas appliance engineer.

Take care to follow the recommended fitting instructions carefully. Failure to do so will void the warranty and may lead to personal injury or damage to property.

Fire Hazard

Under no circumstances exceed the specified voltage of 120 volts. Ensure that components do not come into direct contact with water (for example, spray, dripping water or rain). Improper and dangerous operation can result from wiring errors. Ensure that wiring is routed securely, and away from any flame.

Shock Hazard Always turn off electric power before working on any appliance. Ensure proper connection of line hot wires.

Explosion Hazard Shut off main gas to appliance before installation begins, and do not reconnect until installation is complete.