STANLEY

TURNING YOUR HOUSE INTO A HOME

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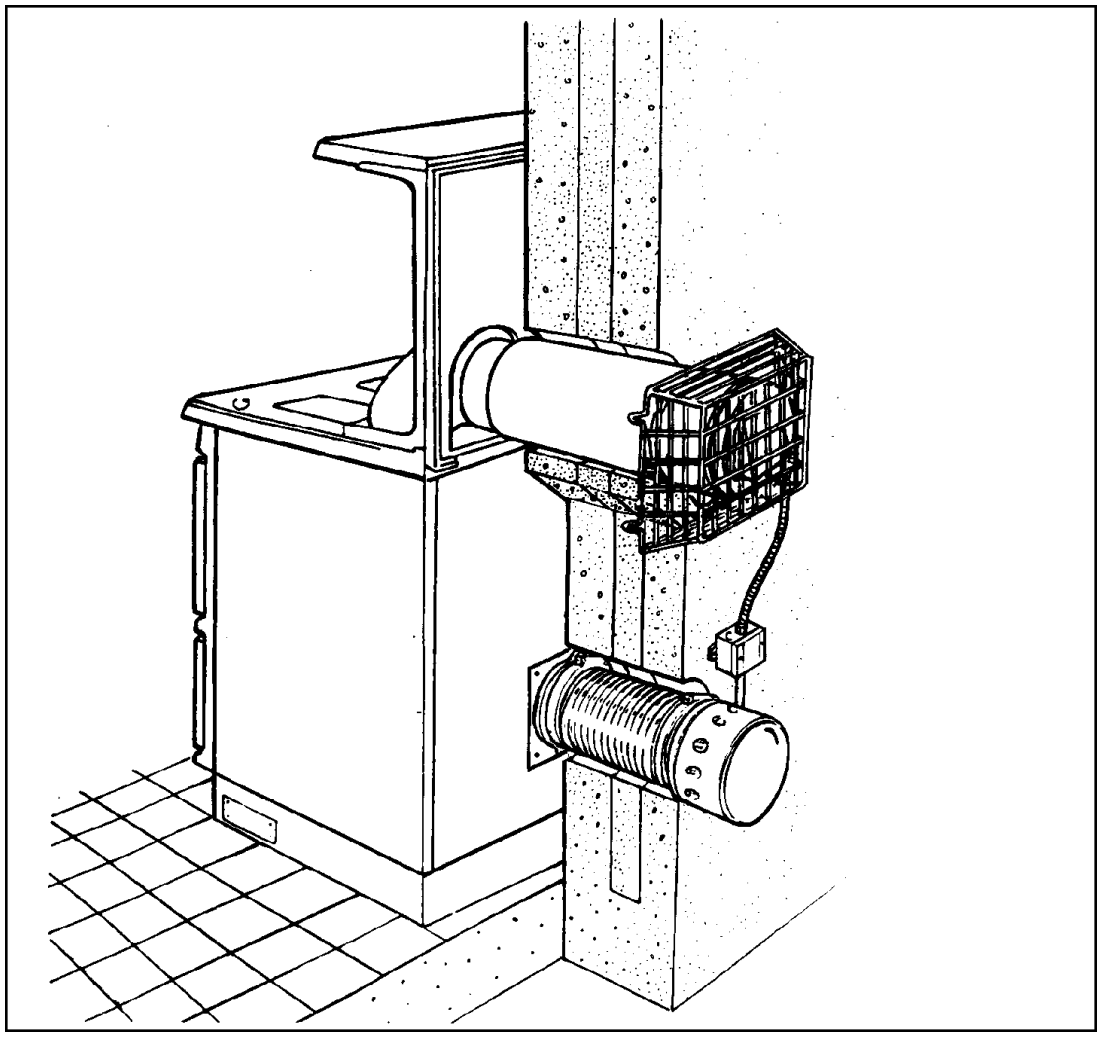
DONARD OIL & GAS FAN FLUE KIT

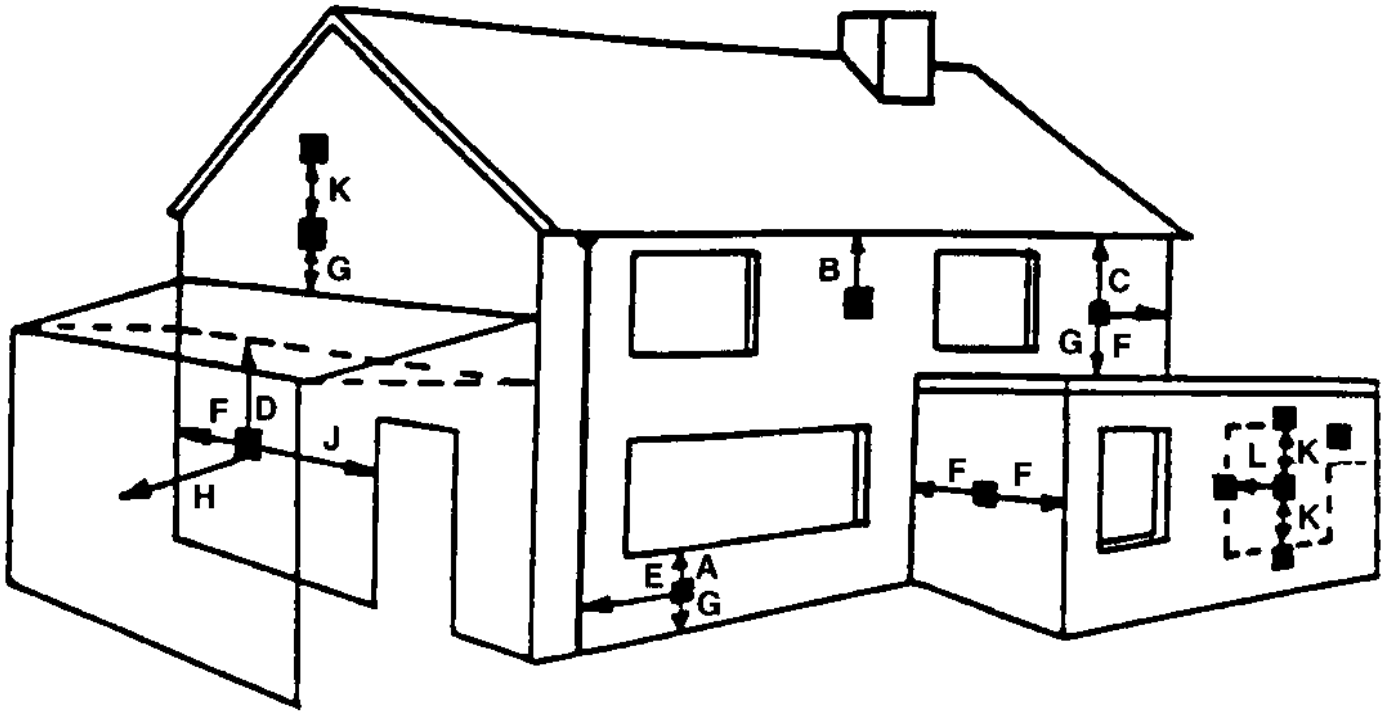


CONTENTS OF KIT:

1. Fan flue terminal.
2. Terminal Guard.
3. Fixing Brackets.
4. Primary air inlet spigot.
5. Air inlet duct.
6. Air Inlet terminal.
7. Jubilee clips.
8. Front bottom panel.
9. Self tapping screws.
10. 4 No. of M6 nuts and bolts.
11. Installation Manual.
12. Junction box and flexible cable tubing.
13. Burner connection cable.

IMPORTANT.
Fan Flue Terminal Kit is **NOT** to be connected to an appliance burning 35 Sec. fuel.

POSITION OF FAN FLUE TERMINAL FOR GAS FIRED COOKERS

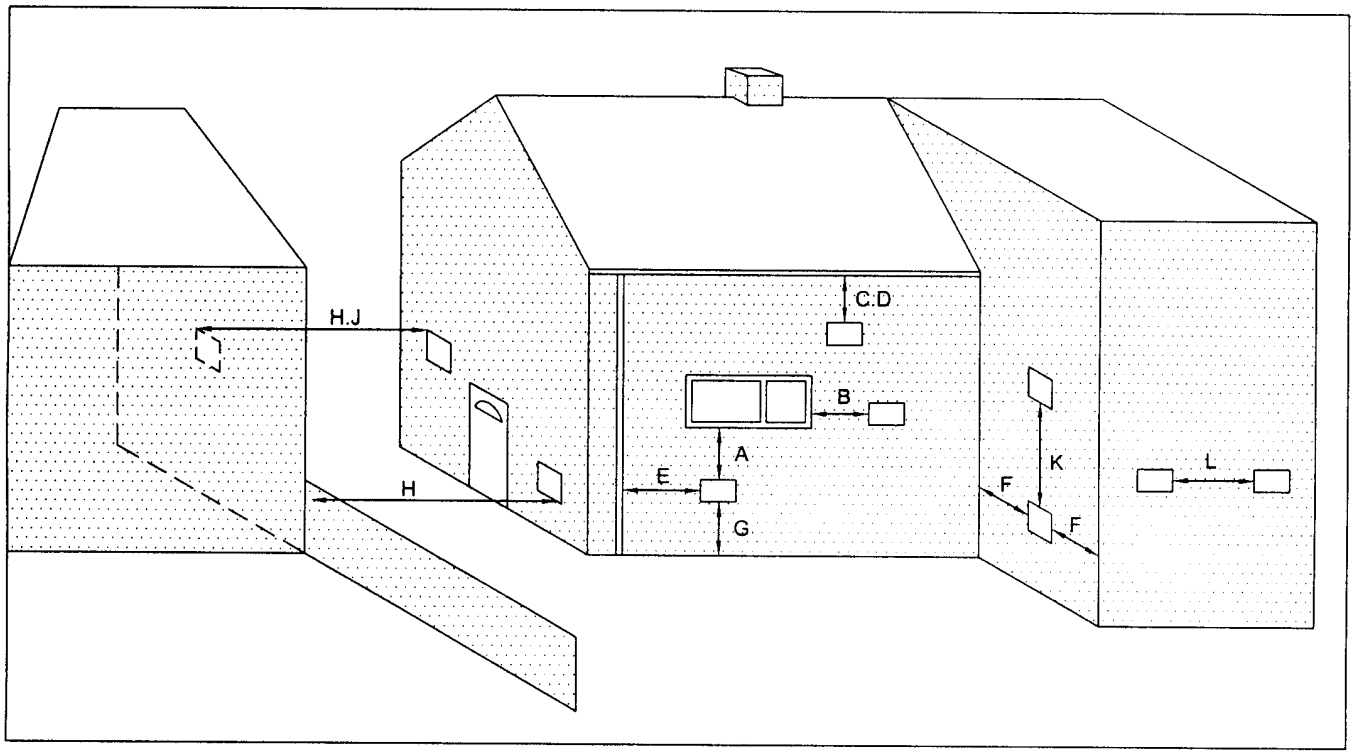


Car port (open sides)

GAS FIRED COOKERS - MINIMUM DISTANCES TO TERMINALS ARE AS FOLLOWS:		
A.	Directly below an opening, air brick, window etc.	300
B.	Below a gutter, eaves or balcony with protection.	75
C.	Below a gutter or a balcony without protection.	200
D.	Below balconies or car port roof.	200
E.	From vertical drain and sanitary pipe work.	75
F.	From an internal or external corner.	300
G.	Above ground or balcony level.	300
H.	From a surface or boundary facing the terminal.	600
I.	From a terminal facing a terminal.	1200
J.	Horizontally to an opening, air brick, window etc.	1200
K.	Vertically from a terminal on the same wall.	1500
L.	Horizontally from a terminal on the same wall.	300

Refer to Part J of the Building Regulations, England & Wales, Irish Building Regulations. B.S. 5440 Part 2 and Part F of the Building Standards (Scotland) Regulations.

POSITION OF FAN FLUE TERMINAL FOR OIL FIRED COOKERS



OIL FIRED COOKERS		
A	Directly below an opening, air brick, window etc..	600
B	Horizontally to an opening, air brick, window etc..	600
C	Below a gutter, eaves or balcony with protection	75
D	Below a gutter or a balcony without protection	600
E	From vertical sanitary pipework	300
F	From an internal or external corner	300
G	Above ground or balcony level	300
H	From a surface or boundary facing the terminal	600
J	From a terminal facing the terminal	1200
K	Vertically from a terminal on the same wall	1500
L	Horizontally from a terminal on the same wall	750

Refer to Part J of the Building Regulations England and Wales, Irish Building Regulations. B.S. 5410 Part 1, and Part F of the Building Standards (Scotland) Regulations.

FT10 FAN FLUE KIT ASSEMBLY AND INSTALLATION WITH DONARD GAS COOKER

SEE EXPLODED VIEW (FIG.7) WHEN ITEM NUMBERS ARE REFERRED TO:

STEP 1.

(a) Remove the cover plate from the Air inlet back panel by removing the fixing screws (fig. 1).

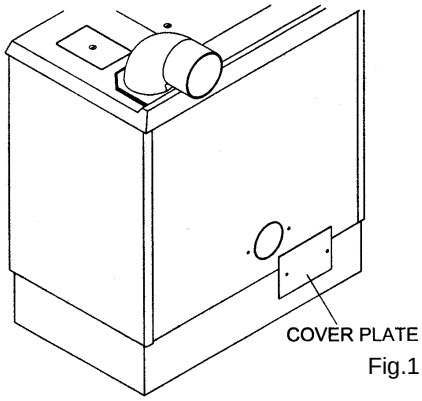


Fig.1

(b) Fix the cover plate over the air vents on the lower right hand side of the cooker, using the original fixing screws. (fig. 2).

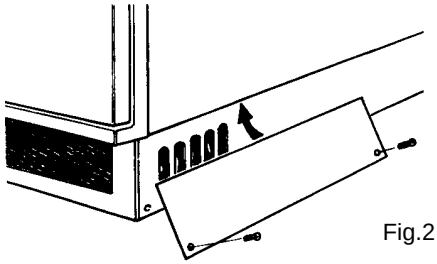


Fig.2

(c) Remove insulation from inside of primary air inlet opening ensuring that the orifice is completely clear (fig.3).

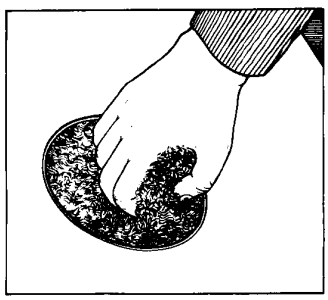


Fig.3

STEP 2.

(a) Fit the primary air spigot (item 4.) over the opening with the self tapping screws provided. (item 9.).

(b) Cut the air inlet duct (item 5.) to the required length, allowing for the connection to the cooker, the cooker wall clearance and air inlet terminal. (item 6.).

(c) Push on Air inlet duct (item 5.) over the primary air spigot (item 4) and secure using one of the jubilee clips. (item 7.)

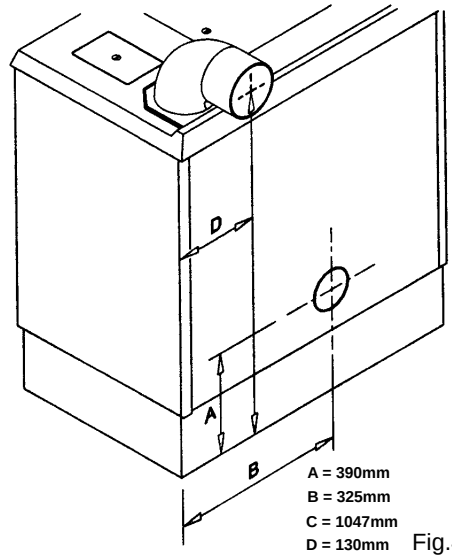


Fig.4

STEP 3.

(a) Make two openings through the wall, one a 150mm (6") and one 250mm (10") diameter, where the cooker is to be located. The 150mm (6") opening is for the primary air inlet duct. The 250mm (10") is for the telescopic section of flue connector. See (fig. 4) for fixing centres.

STEP 4.

(a) Position cooker against wall allowing for the minimum clearance. (See cooker clearances in instruction manual).

STEP 5.

(a) Fit cast iron bend to cooker hob.

(b) Connect the fan flue terminal assembly (item 1.) to the cast iron bend, by passing it through the wall.

(c) Make sure that all joints are tight and fully secured.

(d) Seal the primary air inlet duct and fan flue terminal to wall, using either an approved refractory or suitable fire cement.

STEP 6.

(a) Connect the air inlet terminal (item 6.) to the flexible duct (item 5.) and secure using remaining jubilee clip (item 7).

(b) Screw the 4 terminal guard fixing brackets to the wall and bolt terminal wire guard (item 3.) to the brackets.

STEP 7.

(a) Remove the cooker bottom grill panel (item 14. and fig 5.) by un-screwing four screws. (see A).

(b) Dis-assemble the bottom grill panel (item14.) from casting by removing two screws (see B) taking care not to chip the enamelling (see figs. 5 & 6).

(c) Re-assemble in reverse order using the panel supplied. (see fig. 6).

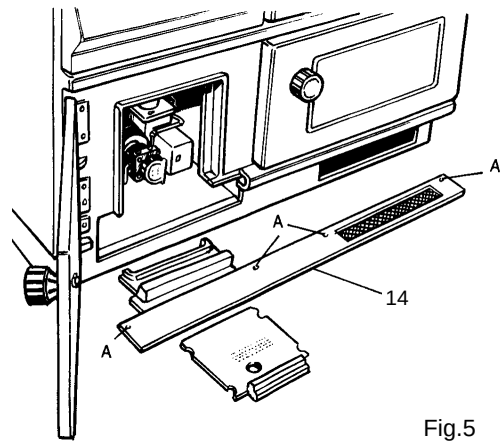


Fig.5

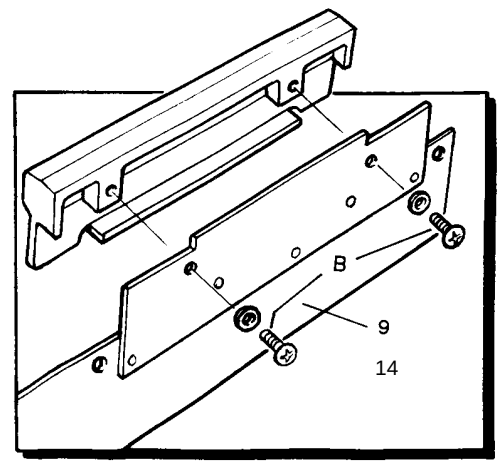
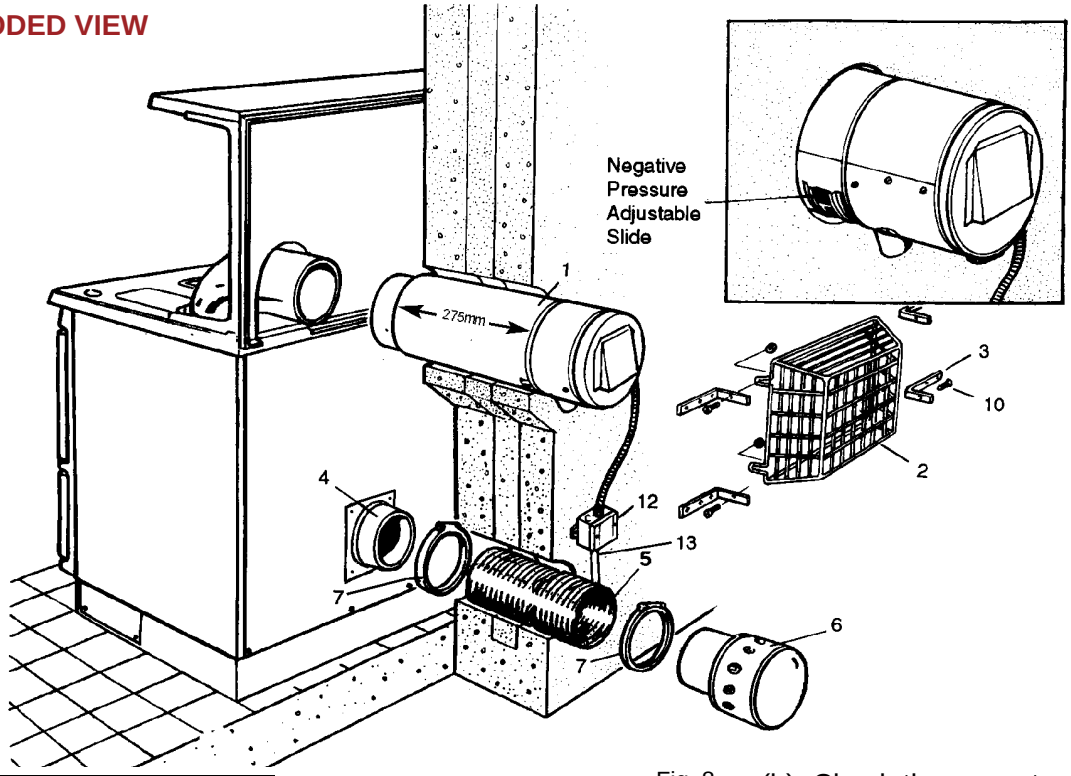


Fig.6

Fig.7 **EXPLODED VIEW**



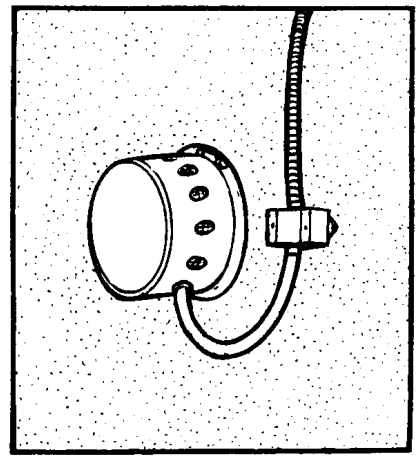
N.B. The fan flue assembly is suitable for a 275mm (11") wall and cannot be reduced, or extended. If it is installed through a wall less than 275mm (11") the terminal will protrude accordingly and must have fitted a suitable terminal guard.

There is an extended flue assembly available (to order) that is suitable to be installed through wall thickness of 368mm (14.5") 444mm (17.5") 495mm (19.5") and a maximum of 558 (22").

To reduce the length of the assembly from the maximum of 550 (22") wall thickness, undo the band retaining the end reducer and remove the reducer taking care that no damage occurs. Select the thickness required and cut through the assembly on the inner most of the paired groves. Care must be taken to cut straight and to remove all sharp edges. Place the reducer in position at the inner most end of the flue assembly and fix into position by relocating the band on the remaining grove and lock into place.

Install the air duct as normal cutting the flexible liner to the correct length in accordance with the wall thickness.

Fig. 8



STEP 8.
Fit the junction box to the wall adjacent to the primary air inlet terminal and pass flexible cable through the grommet in the inlet terminal to the burner. (See wiring diagram and fig. 7,8,9,10,11 & 12).

IMPORTANT: All electrical connections should only be carried out by qualified electricians.

STEP 9.
Fit bottom plinth/panel to cooker.

STEP 10.
(a) Check that all fastenings and joints are tight, fully secured and sound.
(b) Check the correct cooker clearances and terminal locations are adhered to. (see Installation Instructions)

STEP 11.
When commissioning the cooker check the negative pressure in the flue and adjust the slide to obtain 0.025" w.g. minimum. To reduce the readings open the slide and to increase close. A draught reading of between 0.025" w.g. and 0.04" w.g. should be achieved. Ensure that the pressure switch operates correctly. (see fig. 7)

FAN FLUE MUST BE EARTHED

CONNECT FAN FLUE TO COOKER

(a) Isolate from mains supply before carrying out any work.
(b) Remove control box by undoing the clips on each side of the control box (Landis & Gyr) centre screw (Satronic).
(c) Feed fan flue wiring into base of the Cooker as shown in Fig.8.

CONNECTION - CONTROL BOX

(a) Remove wire from terminal 4 (Landis & Gyr) terminal 5 (Satronic) and replace it with either of the blackwires.

(b) Connect the remaining black wire with the wire removed from terminal 4 (Landis & Gyr) by using terminal 32 on the control box base if available or terminal 5 (Satronic) using a small connector.

(c) Connect the brown wire into the outgoing side of the internal fuse block (see Fig.9) of the incoming supply external to the control box.

(d) Connect the blue wire to the neutral and the yellow/green wire to earth.

(e) Replace the control box, ensuring that no wires are trapped, reinstate the elec tricity supply and test.

Fig.9

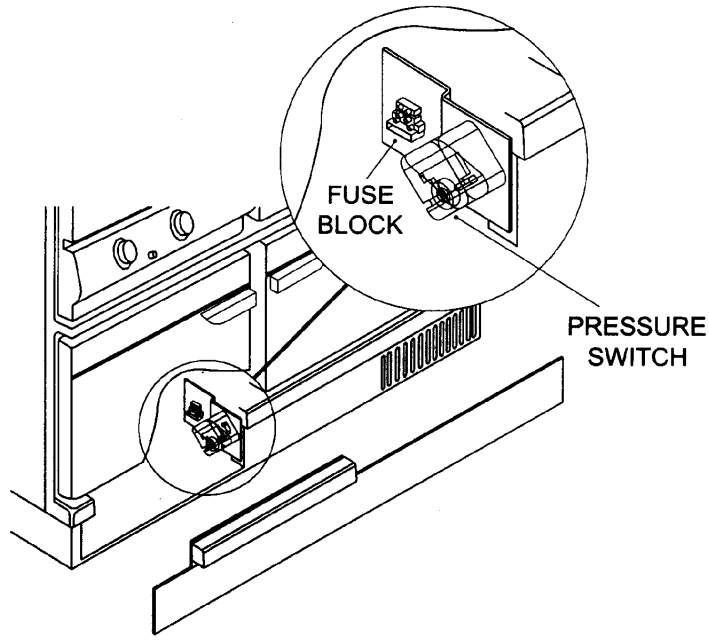


Fig.10

WATERFORD STANLEY

WIRING DIAGRAM (FAN FLUE)

60K & 80K **DONARD GAS**

220/240V A.C. 50Hz

FPS – FAN PRESERVE SWITCH
FM – FAN FLUE MOTOR
LT – HIGH LIMIT THERMOSTAT
BT – BOILER THERMOSTAT
OT – OVEN THERMOSTAT
RB – RUNNING LAMP
LB – LOCK OUT LAMP
LP – AIR PRESSURE SWITCH
TR – TRANSFORMER
M – BURNER MOTOR
TL – PROBE CIRCUIT TEST LINK
E – IONISATION PROBE
EVG1 – LOW FIRE SOLENOID VALVE
EVG2 – HIGH FIRE SOLENOID VALVE
AL – ALARM
SF – SUPPRESSION FILTER
F – FUSE BLOCK COMPLETE WITH 3 AMP FUSE
PL – 13 AMP PLUG TOP

IR – MAIN SWITCH
SK – 13 AMP SOCKET
} To be supplied by client

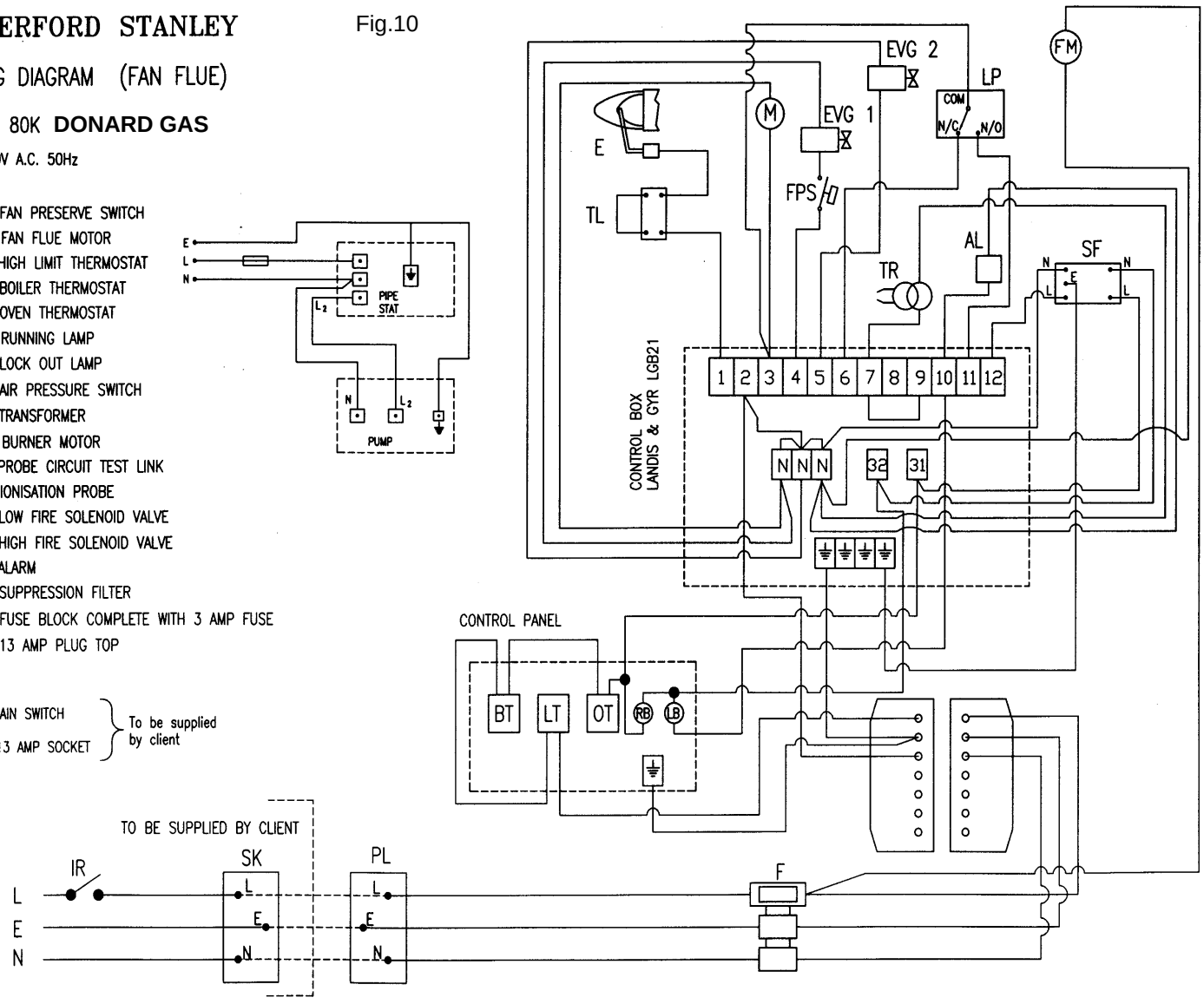
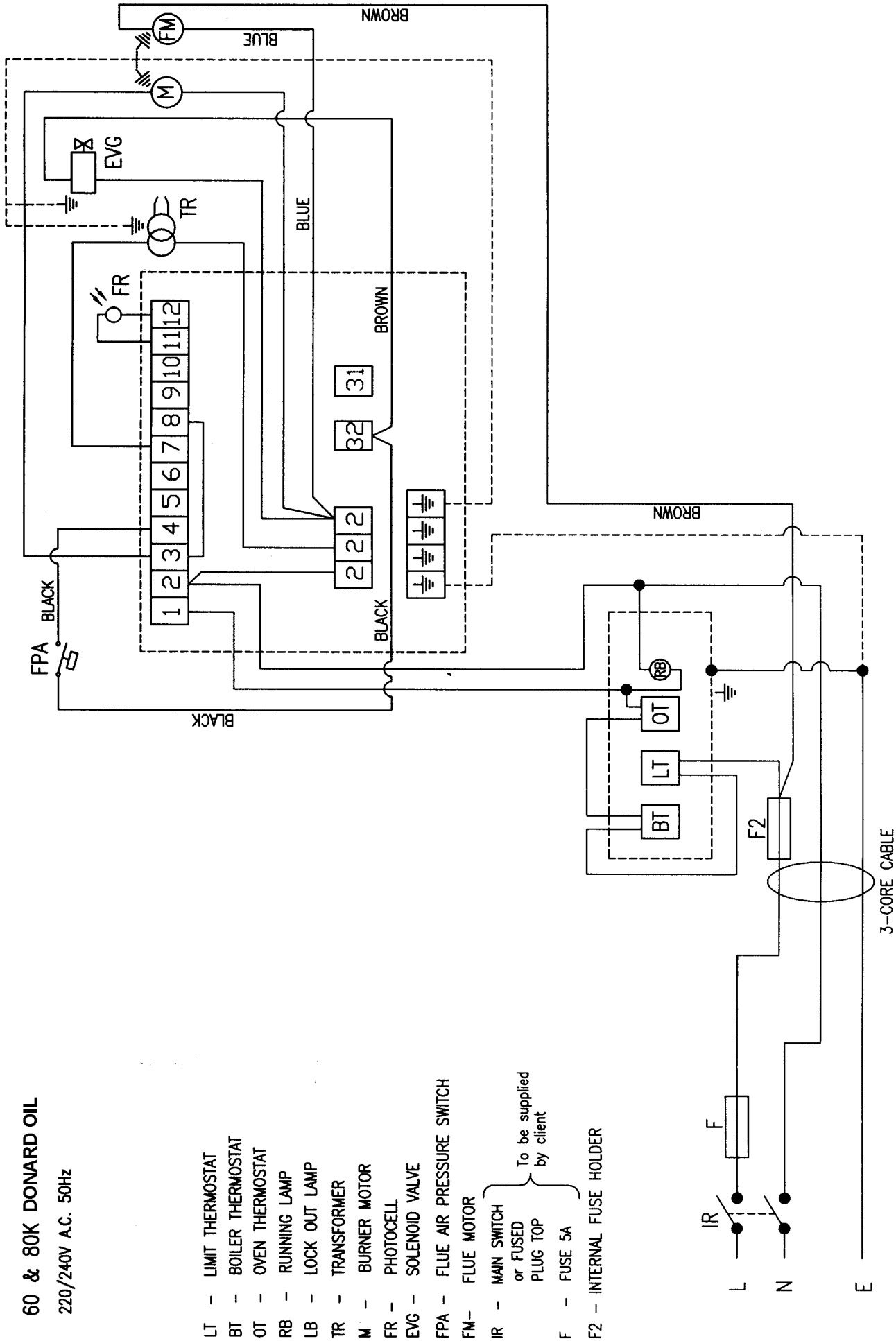


Fig.11

WIRING DIAGRAM (BALANCED FLUE)

60 & 80K DONARD OIL

220/240V A.C. 50Hz



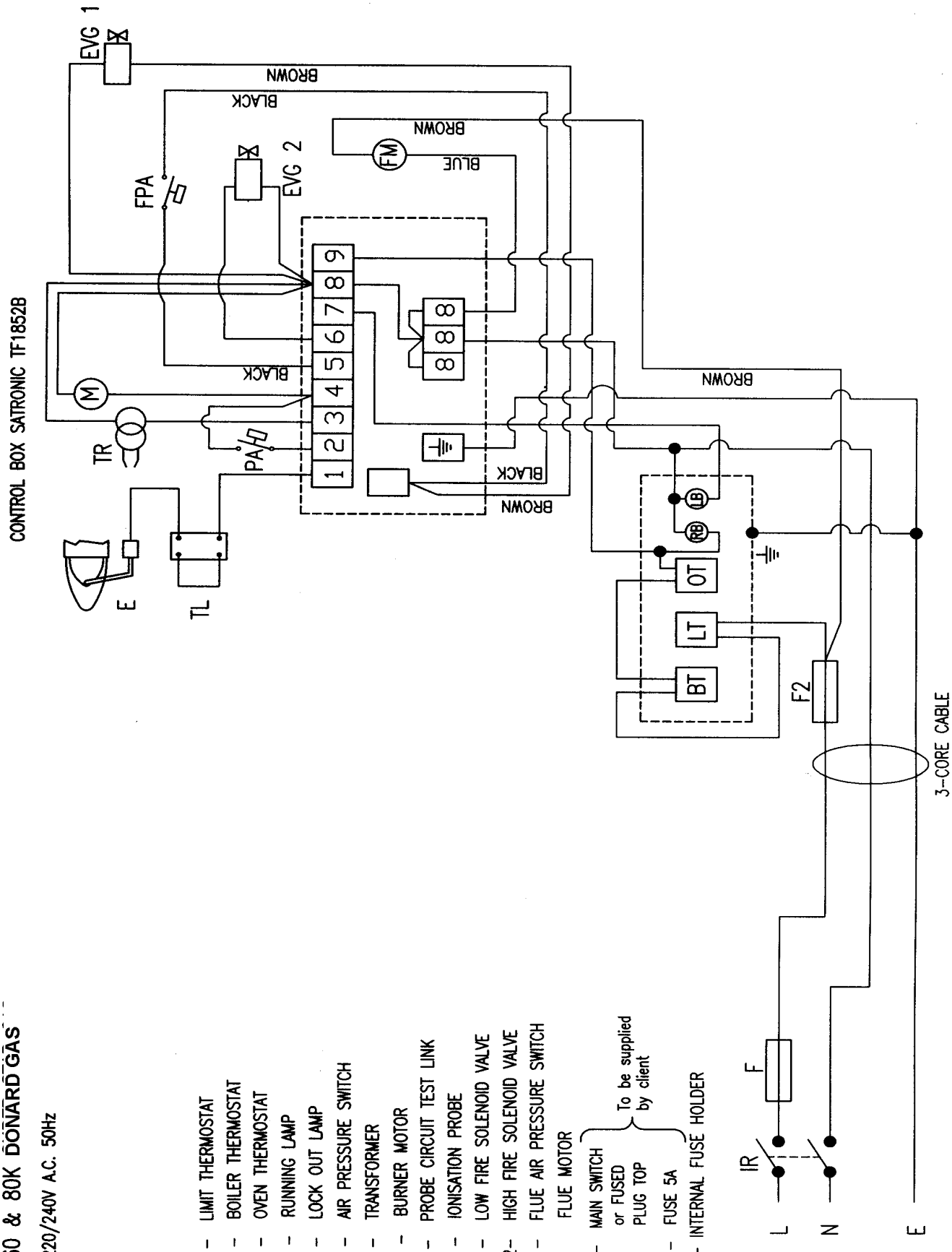
LT – LIMIT THERMOSTAT
BT – BOILER THERMOSTAT
OT – OVEN THERMOSTAT
RB – RUNNING LAMP
LB – LOCK OUT LAMP
TR – TRANSFORMER
M – BURNER MOTOR
FR – PHOTOCELL
EVG – SOLENOID VALVE
FPA – FLUE AIR PRESSURE SWITCH
FM– FLUE MOTOR
IR – MAIN SWITCH or FUSED PLUG TOP (To be supplied by client)
F – FUSE 5A
F2 – INTERNAL FUSE HOLDER

WIRING DIAGRAM (BALANCED FLUE)

Fig.12

60 & 80K BONARD GAS

220/240V A.C. 50Hz



LT – LIMIT THERMOSTAT
BT – BOILER THERMOSTAT
OT – OVEN THERMOSTAT
RB – RUNNING LAMP
LB – LOCK OUT LAMP
PA – AIR PRESSURE SWITCH
TR – TRANSFORMER
M – BURNER MOTOR
TL – PROBE CIRCUIT TEST LINK
E – IONISATION PROBE
EVG1– LOW FIRE SOLENOID VALVE
EVG2– HIGH FIRE SOLENOID VALVE
FPA – FLUE AIR PRESSURE SWITCH
FM– FLUE MOTOR
IR – MAIN SWITCH or FUSED PLUG TOP (To be supplied by client)
F – FUSE 5A
F2 – INTERNAL FUSE HOLDER

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