STANLEY

TURNING YOUR HOUSE INTO A HOME

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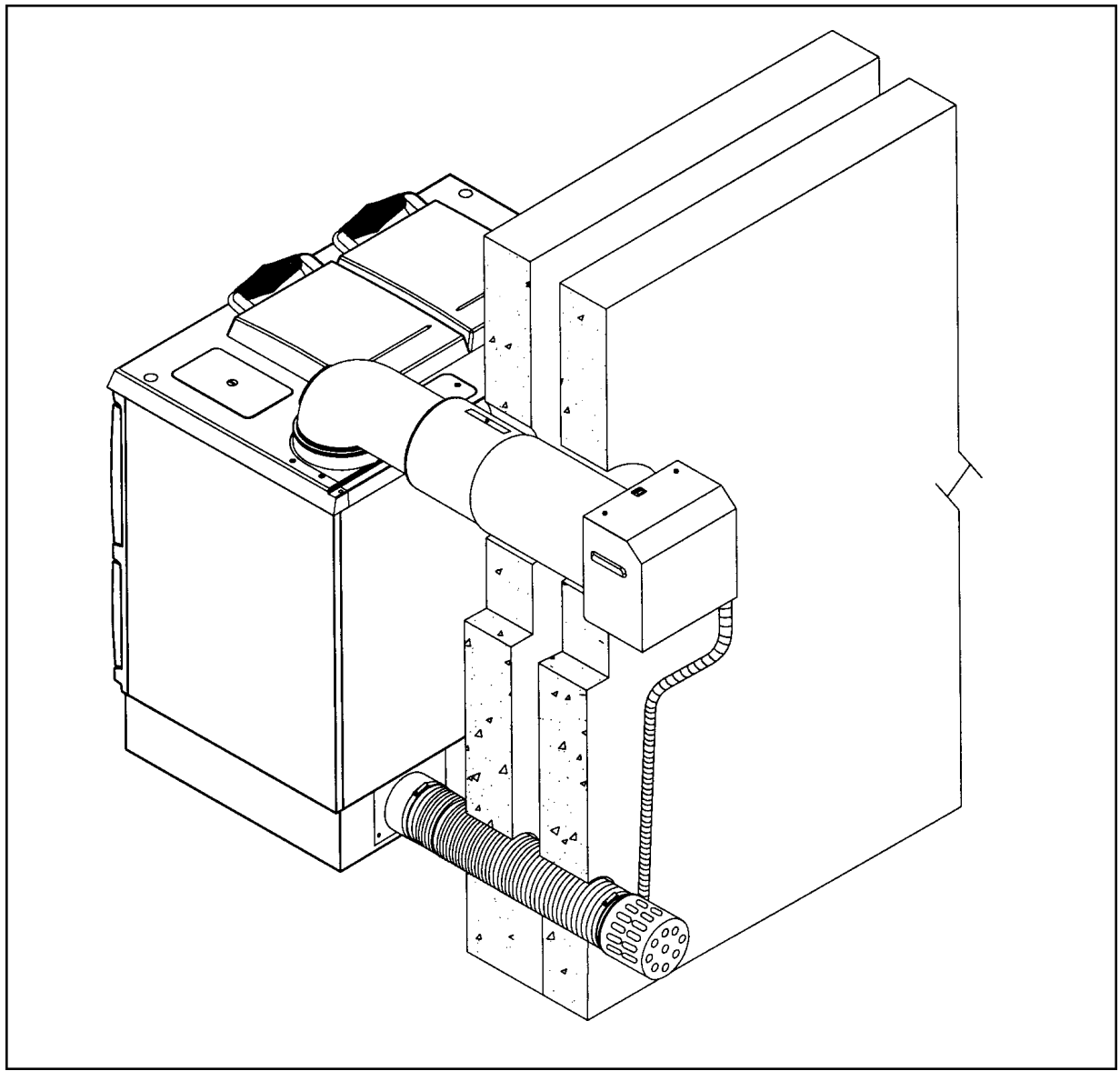
FT20 G FAN FLUE FOR BRANDON GAS COOKERS FITTED WITH PREMIX BURNERS



INSTALLATION & COMMISSIONING INSTRUCTIONS

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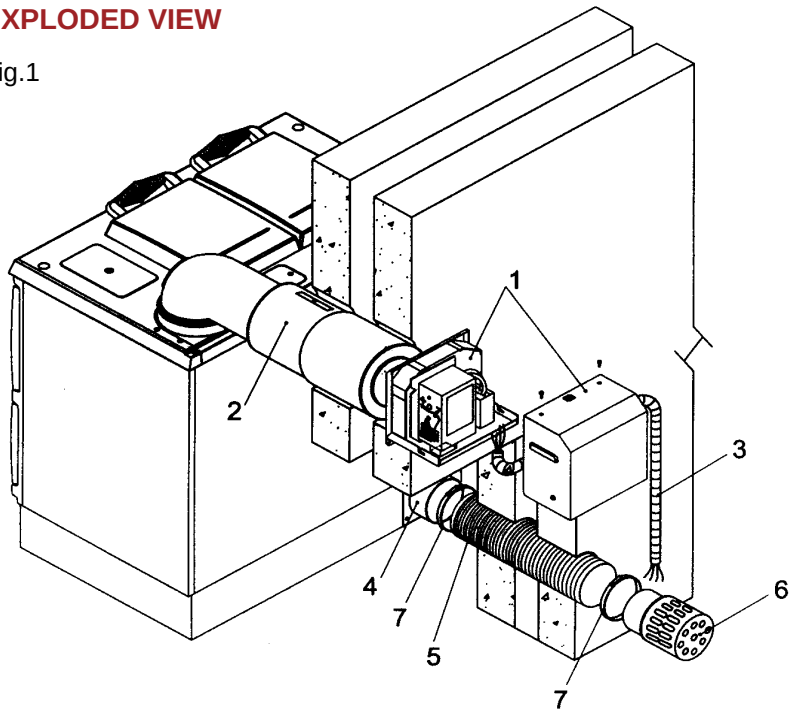
EXPLODED VIEW

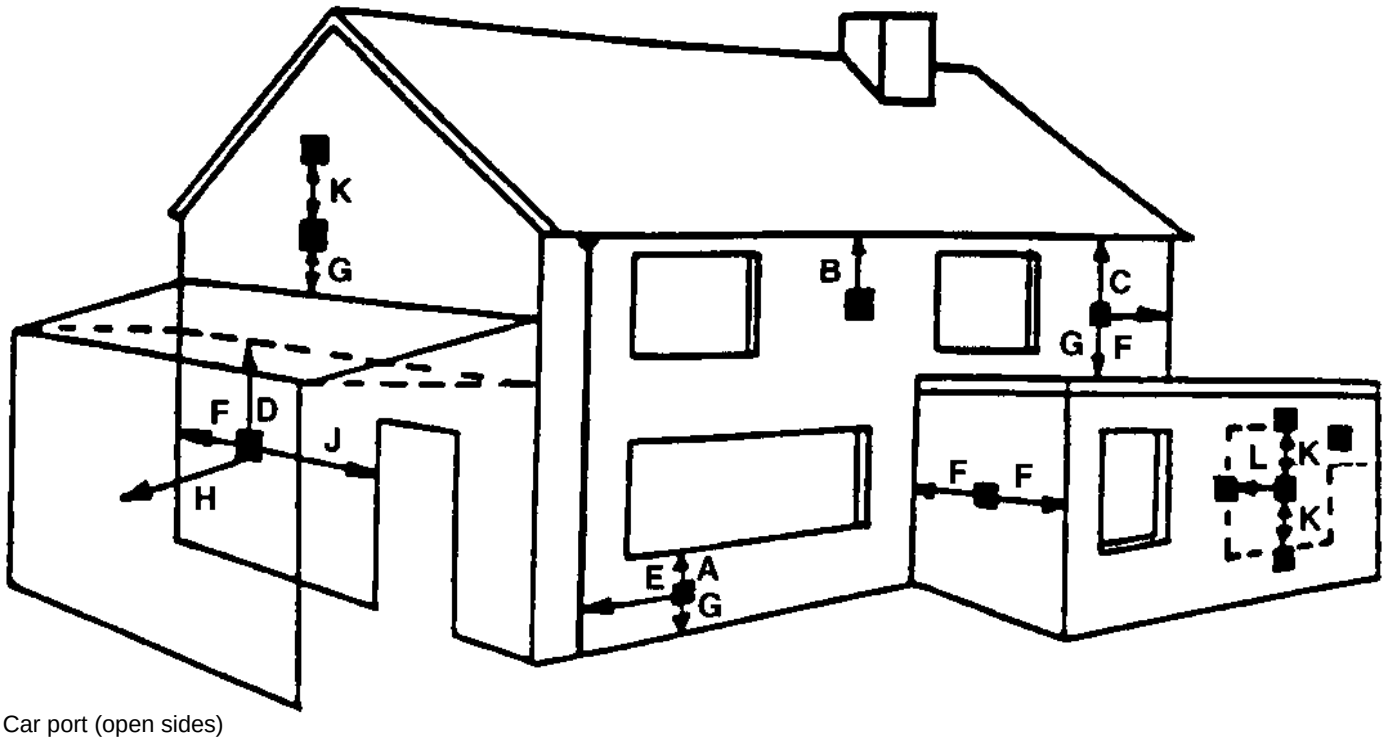
Fig.1



CONTENTS OF KIT:

1. FT20 G Fan flue terminal Complete with Cover.
2. Twin wall adjustable section of flue.
3. Connection Cable.
4. Primary air inlet spigot.
5. Air Inlet Duct.
6. Air Inlet terminal.
7. Jubilee Clips.
8. Self tapping screws.
9. Installation Manual.
10. 3 Mode Speed Controller

POSITION OF FT 20 G POWER FLUE 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.

FT 20 G POWER FLUE KIT ASSEMBLY

SEE EXPLODED VIEW (FIG 8) WHEN ITEM NUMBERS ARE REFERRED TO:

INSTALLATION

STEP 1.

(a) Remove the air inlet plate on the bottom right hand corner on the front of the cooker.

(b) Remove the blanking plate on the bottom left hand corner on the rear of the cooker.

(c) Fix the blanking plate to the front of the cooker. (See Fig. 2 & 3).

Fig.2

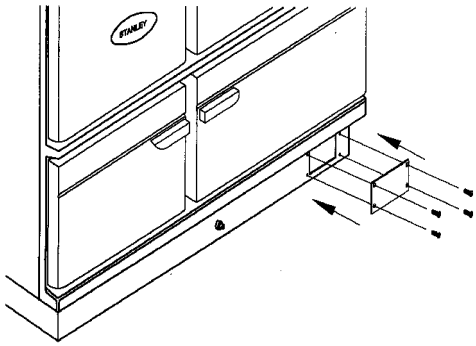
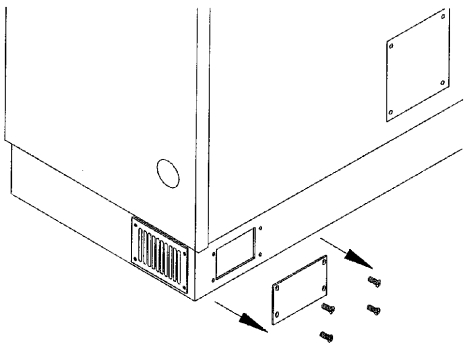


Fig.3

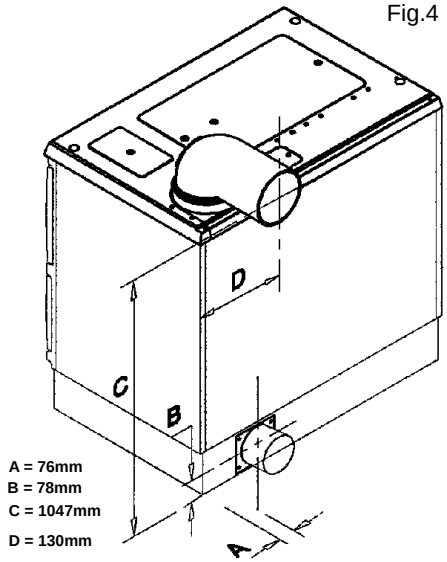


STEP 2.

(a) Fit the primary air spigot (item 4) to the back of the cooker.

(b) 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 twin wall insulated section of flue connector. See (Fig.4) for fixing centres.

Fig.4



A = 76mm
B = 78mm
C = 1047mm
D = 130mm

STEP 3.

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

(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 provided. (item 7)

STEP 4.

(a) Fit cast iron bend to the cooker.

(b) Connect the telescopic section of flue connector to the cast iron bend by passing it through the wall.

(c) Measure the length of flue necessary to connect from the bend on the cooker to the fan flue. Cut the section of twin wall insulated flue to the required length and refit the end piece.

(d) Connect the section of flue to the cast iron bend by passing it through the wall.

Fig.5

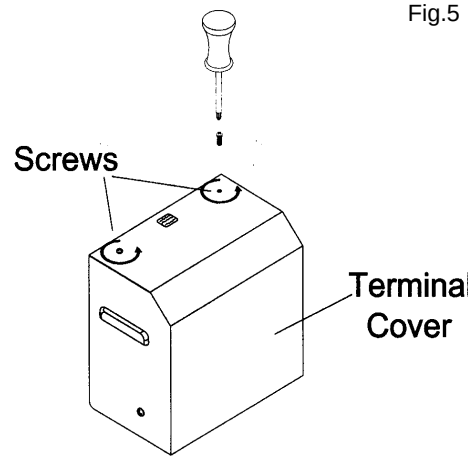
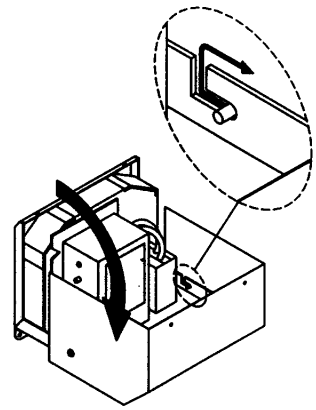


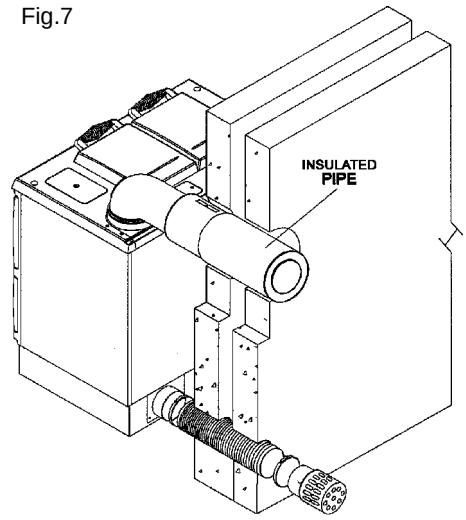
Fig.6



STEP 5

(a) Remove the fan cover by unscrewing the two corner screws as shown in fig.5. This will allow the cover to be lifted off. (see Fig.6)

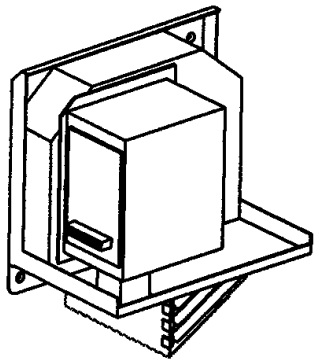
Fig.7



(c) Connect the fan to the insulated flue section and fix to the wall as per Fig.8.

Note: Seal around the joints where the fan interfaces with the horizontal flue section.

Fig.8



STEP 7.

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

ELECTRICAL CONNECTION

ALL ELECTRICAL CONNECTIONS SHOULD BE CARRIED OUT BY QUALIFIED ELECTRICIANS.

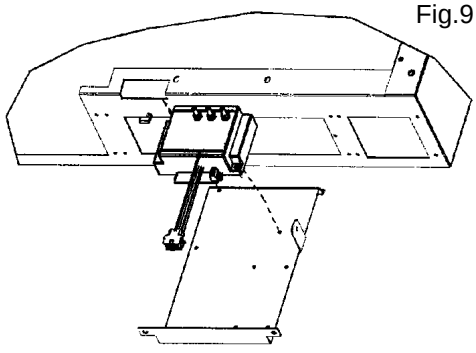
STEP 1.

Isolate the mains supply to the cooker.

STEP2.

Open the right hand side of the cooker and pull out the control tray which holds the printed circuit board. Fix the speed controller to the tray as shown in Fig.9.

Fig.9



STEP 3.

Feed the connection cable through the air inlet terminal until it can reach both the fan flue terminals and the speed controller terminals. It is recommended to protect the section of connection cable from the fan flue to the air inlet terminal with galvanised trunking.

STEP 4.

Connect the speed controller to the cooker loom by first removing the blanking 6-way connector and then replacing it with the 6-way connector coming from the speed controller. Connect the live (brown wire) and neutral (blue wire) to the two terminals on the speed controller and also to terminals 1 & 2 on the fan flue. Connect the earth wire to the eyelet provided on the fan flue and to the earth connection block on the printed circuit board near to the speed controller.

STEP 5.

Reinstate the electrical supply.

COMMISSIONING

STEP 1.

Turn the 3 speed controllers to the max position (fully clockwise).

STEP 2.

Turn on the boiler burner on its own and adjust the draught to .04" wg (1mm wg) using the speed controller marked boiler.

Turn on both burners together and adjust the draught to the above requirement using the speed controller marked boiler & oven. Turn off the boiler burner leaving the oven burner running on its own, adjust the draught to the above requirement.

STEP 3

Run both burners for approximately 10-15 minutes, repeat Step 2. as the draught will change as the appliance heats up.

STEP 4

Check the combustion gas rate and the combustion and compare to the table below.

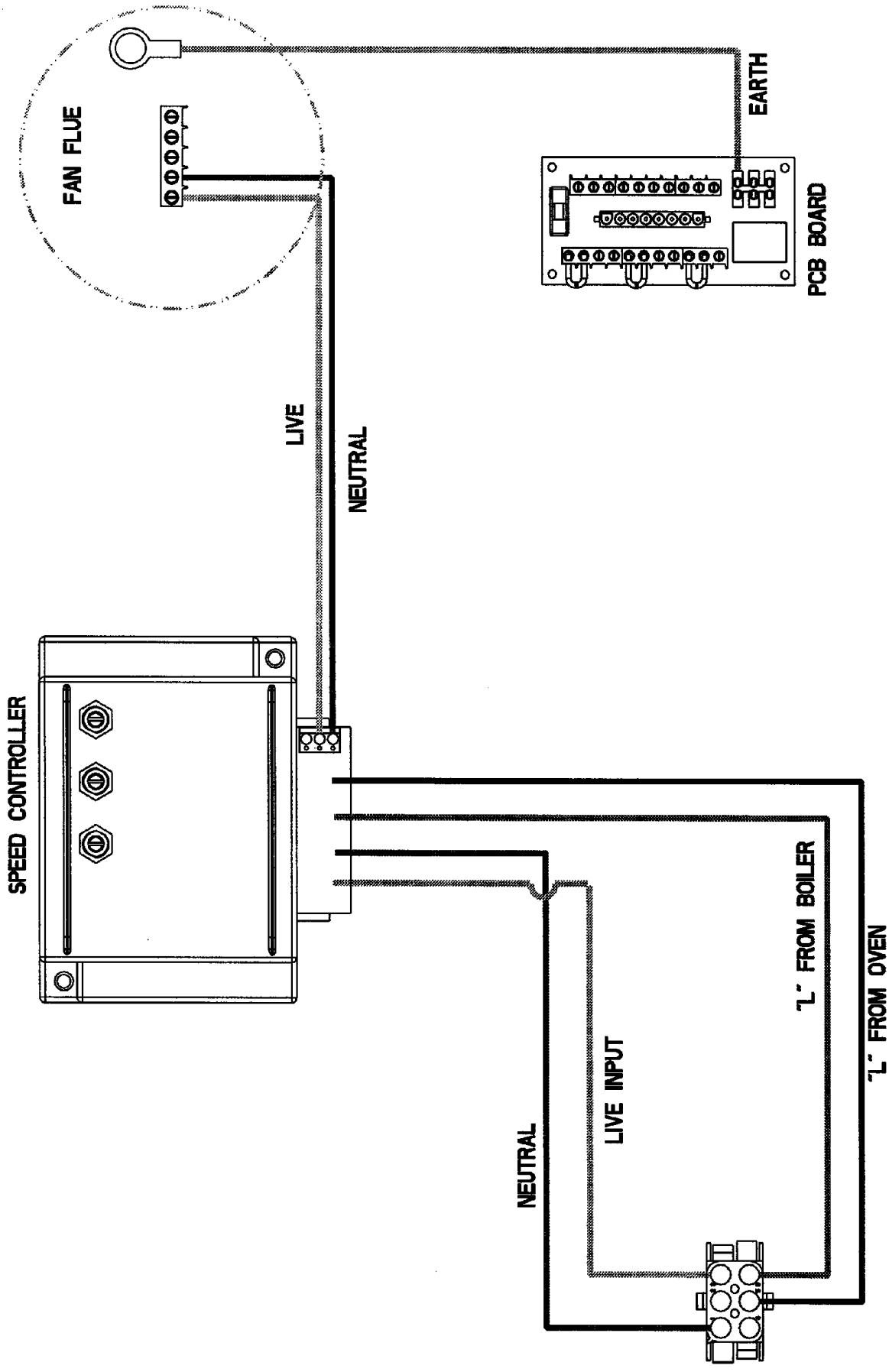
NOTE: It is essential that the draught be correctly set as it can effect the input rate of the appliance.

IMPORTANT: Air inlets to the appliance and FT20 must **NOT** be obstructed.

TABLE 2

	CO2 (%)	FLUE DRAUGHT (" wg)	GAS RATE LITRES/MIN
OVEN	9.3-9.9	.04	27.5
BOILER - 100K - 80K	8.5 - 9.3 9.3 - 9.9	.04 .04	52 42
DUAL		.04	

WIRING DIAGRAM - FT 20 G FAN FLUE



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