

**VALOR
RADIANT
GAS LOGS**
MODELS 484CN-18 INCH - 30,000 Btu/h
485CN-24 INCH - 40,500 Btu/h
For use with Natural Gas

MINIMUM FIREPLACE SIZES			
MODEL	HEIGHT	WIDTH	DEPTH
484CN	15"	22"	12"
485CN	15"	27"	12"

The minimum permanent free opening that must be provided by either the fireplace chimney or chimney damper to vent the flue gases must be in accordance with the table below. Any chimney damper must be fixed so that the minimum permanent vent opening will be maintained at all times (e.g. By screw, bolt at damper edge or hole in damper.).

**MINIMUM PERMANENT FREE
OPENING (Square inches)**

Chimney Height (ft)	Model	
	484CN 30,000 Btu/h	485CN 40,500 Btu/h
6	25	34
8	24	32
10	22	29
15	20	26 1/2
20	18 1/2	23 1/2
25	17 1/2	23
30	16 1/2	22

For your guidance, the areas of standard round flues are as follows:-

DIAMETER (Ins)	AREA (Sq. ins)
5	19.6
6	28.3
7	38.4
8	50.25

FOR YOUR SAFETY

If you smell gas:

1. Open windows.
2. Don't touch electrical switches.
3. Extinguish any open flame.
4. Immediately call your gas supplier.

FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance

This appliance must be installed only in a non-combustible vented fireplace with a working flue and constructed of incombustible materials.

This appliance must only be used with natural gas with a pressure at the inlet between a maximum of 7in. W.C. and a minimum of 5in. W.C. Installation and the provisions for combustion and ventilation air must conform with the current CAN 1-B149.1 Installation Code (NaturalGas).

INSTALLATION

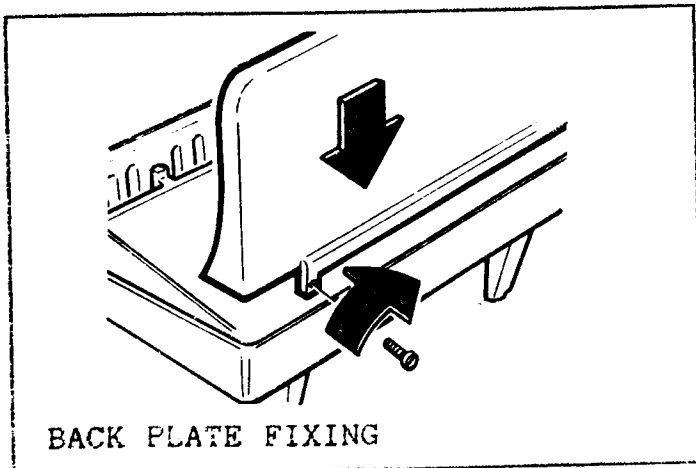
UNPACKING

This appliance is packed assembled except for the back plate, back plate clamping screws, logs and ceramic log support. Check that all the items are undamaged.

LOCATING

1. Place the back plate over the rear edge of the grate with its back edge outside the rear of the grate and the lugs at the sides of the back plate inside the back edge of the grate. Push the back plate down firmly over the grate.

Insert a screw into each of the two holes at the bottom rear of the back plate and tighten to clamp the back plate to the grate.



2. The unit can be levelled by adjusting the bolts at back of the grate.

3. Set the unit as far back as possible to the rear wall of the firepit.

GAS CONNECTION

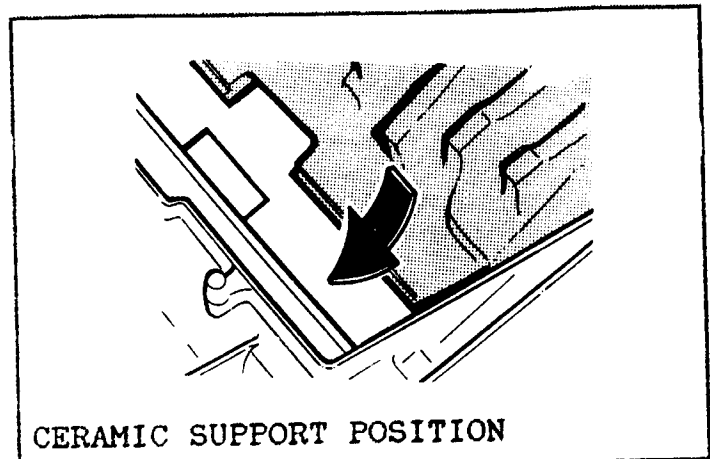
Gas connection is 1/2 in. N.P.T. After making connection, test for leaks with a soap and water solution. Do not use open flame.

LOG ASSEMBLY-MODEL 484CN

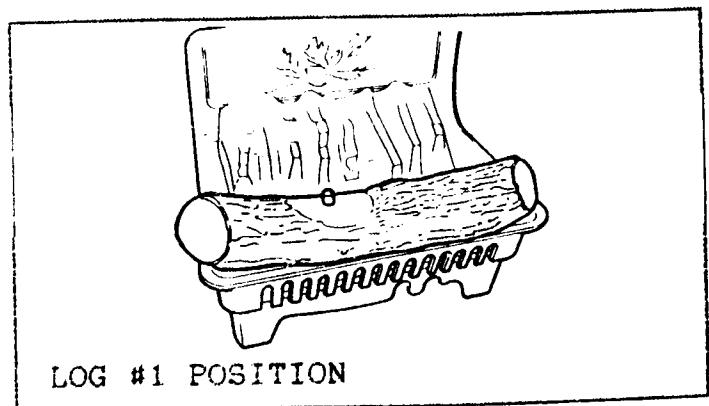
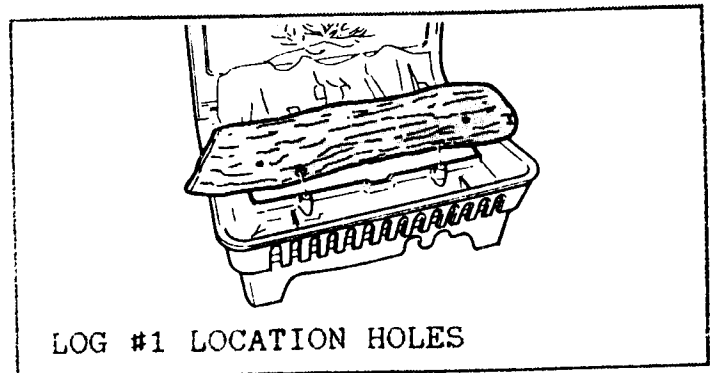
(For Model 485CN see below)

1 Place the support in the grate with the front edge of the support located inside the metal channel situated behind the

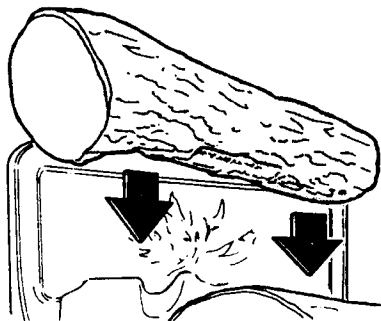
burner. The back of the support should rest against the back plate.



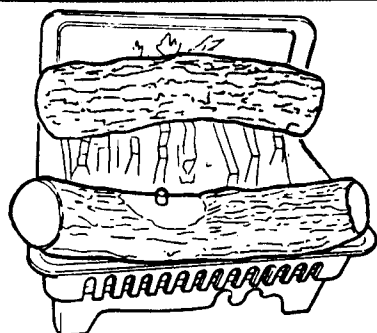
2. Place Log #1 at the front of the grate. The large holes underneath the log should locate over the raised locating lugs on the grate casting. The locating lug at top of the log should be to the left of center.



3. Place Log #2 centrally over the ridges at back of the ceramic support
The holes in the log should face down. The knuckle shaped lump on the log should be to the left side.

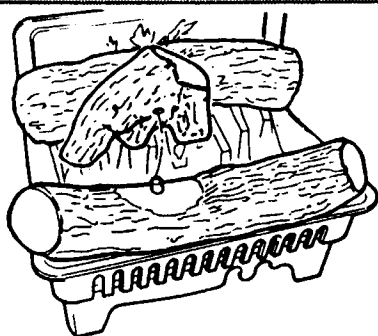


LOG #2 LOCATION

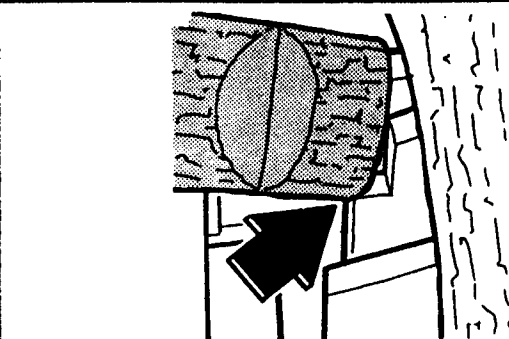


LOG#2 POSITION

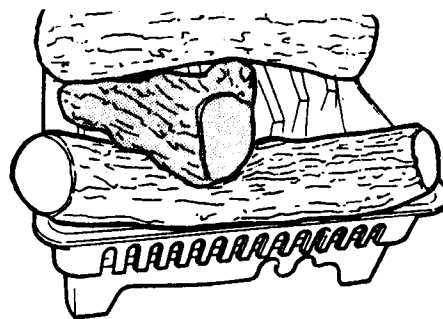
4. Place Log #3 over Log #1 with the raised locating lug at left of center on Log #1 locating into the hole under Log #3.
The back edge of the right side branch of Log #3 should rest on the fourth from right ridge of the ceramic support.



LOG #3 FRONT LOCATION

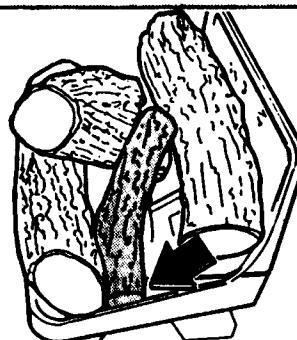


LOG #3 BACK LOCATION

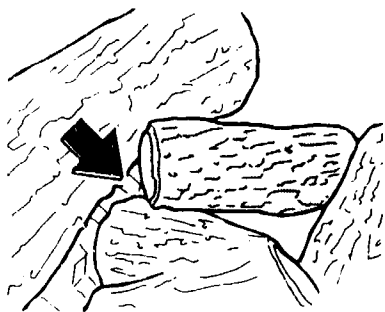


LOG #3 POSITION

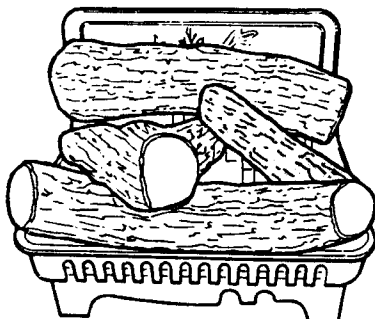
5. Place Log #4 between Logs 1 & 2 and at right side of Log #3.
Hold Log #4 so that the number on the log is underneath and the sharper of its ends is at the left side. Rest the right end of the log against the outer rim at the right side of the grate casting.
The log should touch the inner surface of the rim and touch the back of Log #1.
The left side of the log should rest over the "V" notch in the right branch of Log #3.



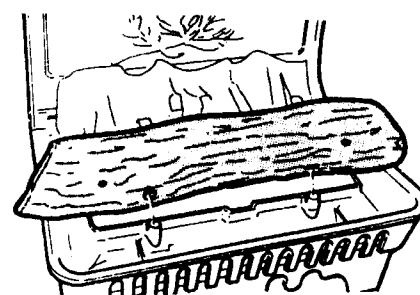
LOG #4 RIGHT SIDE LOCATION



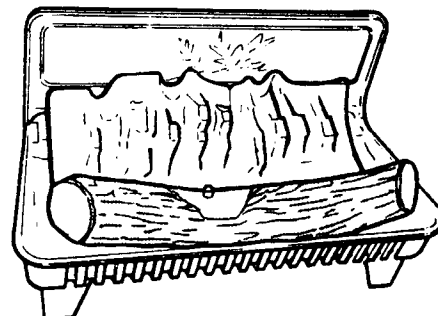
LOG #4 LEFT SIDE LOCATION



LOG #4 POSITION



LOG #1 LOCATION HOLES



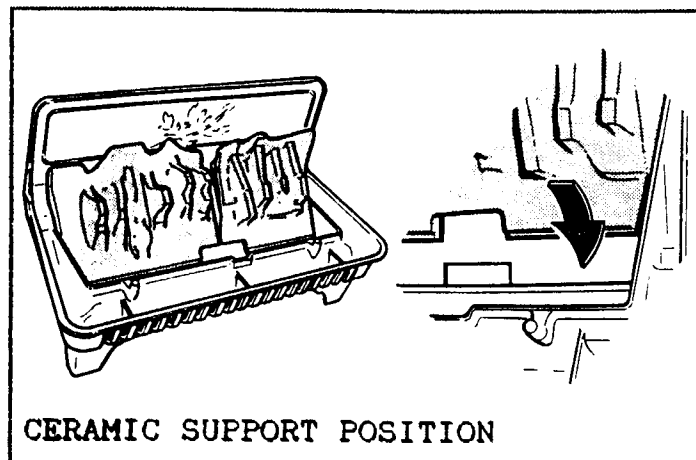
LOG #1 POSITION

LOG ASSEMBLY-MODEL 485CN

(For model 484CN see above)

- 1 The ceramic log support is in two halves.

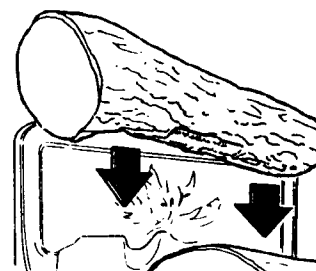
Place the larger support in the grate at the left side with the front edge of the support located inside the metal channel situated behind the burner. The back of the support should rest against the back plate. Then place the smaller support in a similar manner in the grate at the right side.



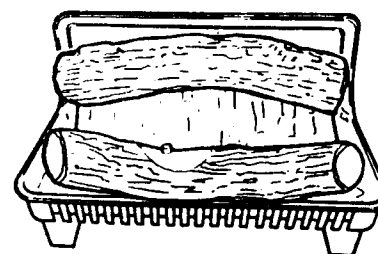
CERAMIC SUPPORT POSITION

3. Place Log #2 centrally over the ridges at back of the ceramic supports

The holes in the log should face down. The knuckle shaped lump should be to the left side.



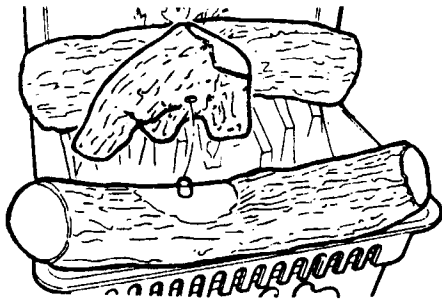
LOG #2 LOCATION



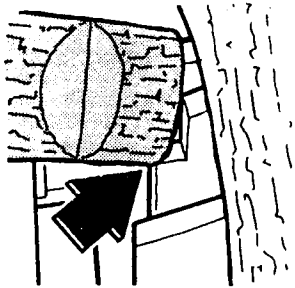
LOG#2 POSITION

2. Place Log #1 at the front of the grate. The large holes underneath the log should locate over the raised locating lugs on the grate casting. The locating lug at top of the log should be to the left of center.

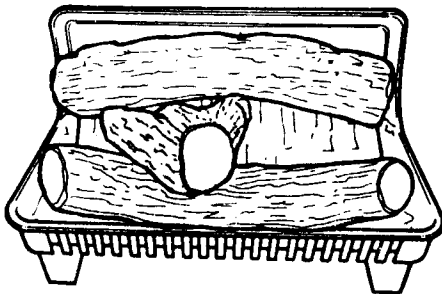
4. Place Log #3 over Log #1 with the raised locating lug near the center of Log #1 locating into the hole under Log #3. The back edge of the right side branch of Log #3 should rest on the fifth from right ridge of the ceramic supports.



LOG #3 FRONT LOCATION

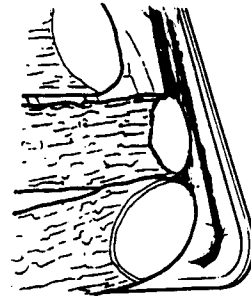


LOG #3 BACK LOCATION

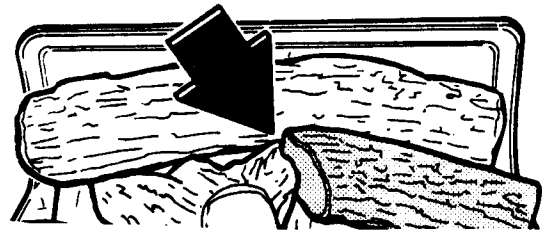


LOG #3 POSITION

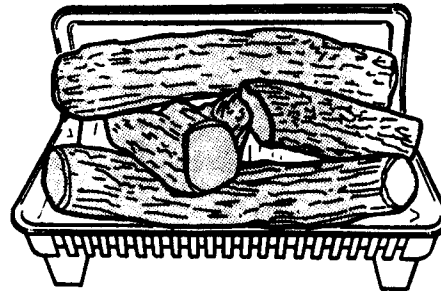
5. Place Log #4 between Logs 1 & 2 and at right side of Log #3. Hold Log #4 so that the number on the log is at the rear and the sharper of its ends is at the left side. Rest the right end of the log against the inner rim at the right side of the grate casting. The log should touch the inner surface of the rim and touch the back of Log #1. The pointed left side of the log should rest in the "V" notch in the right branch of Log #3.



LOG #4 RIGHT SIDE LOCATION



LOG #4 LEFT SIDE LOCATION
MODEL 485CN



LOG #4 POSITION MODEL 485CN

CONTROL OPERATION CHECK

Check ignition and all control positions for correct operation-See operating section.

HEAT INPUT

Maximum heat input is:-

Model 484CN (18")-30,000 Btu/h.

Model 485CN (24")-40,500 Btu/h.

BURNER AERATION

These appliances have been certified to the applicable combustion standards with fixed aeration. No adjustments are provided or necessary.

GAS PRESSURE CHECK

The burner pressure is controlled by the regulator and should be checked at the pressure test point which is located immediately downstream from the regulator. The pressure should be checked with the appliance burning

and the control set at position 3. The burner pressure should be 3.5". The pressure regulator is pre-set and locked to avoid tampering. If the pressure is not as specified, change the regulator (Part # 548729 for Model 484CN, Part # 551219 for Model 485CN).

TEST FOR FLUE SPILLAGE

A "spillage" test must be made before the installed appliance is left with the customer. Carry it out as follows:-

- (a) Close all doors and windows in the home.
- (b) Light the unit and set control

OPERATING INSTRUCTIONS

IMPORTANT

A fireplace screen must be in place when the appliance is operating. Do not operate unit with glass doors closed, if fitted.

Keep the appliance area clear and free from combustible materials, gasoline and other flammable vapors and liquids.

LIGHTING

Note: If the appliance has only just been turned off wait 5 minutes before re-lighting.

1. Push in the control knob and turn to the 1/IGN position.
2. Hold the control knob in for a few seconds to allow gas to flow to the pilot
3. While still holding in the control knob, press in the igniter push button several times. This will cause a spark at the pilot which will ignite the pilot gas.

on full fire (#3)

- (c) After 3 minutes, test with a smoke match or cigarette at about 1 inch below the top of the opening (lintel) across the full width. If spillage occurs it will most likely be near the top center. Possible cures

are:-

1. Damper needs opening further.
2. Fireplace opening needs reducing by adding a drop panel across the top under the lintel.
3. Air supply from outdoors needs increasing.

IF NECESSARY, SEEK EXPERT ADVICE AND DO NOT OPERATE UNIT.

4. Hold the control knob in for a further 10 seconds to prevent the flame failure detector from shutting off the gas while its probe is warming up (* See below)
5. Depress the knob slightly and turn to the setting position you prefer. The setting positions are:-
 - 1/IGN Pilot ignition only.
 - 2 Low glow.
 - 3 Full flames.
 - 4 Reduced height flames.

*For your safety the appliance is fitted with a flame failure detector incorporating a probe which senses the heat from the pilot flame. If the probe is cool, the detector will shut off the gas supply.

SHUTTING DOWN

Depress the knob slightly and turn clockwise to the OFF position.

MAINTENANCE

CLEANING

All cleaning should be carried out when the appliance is cold. Periodically remove the logs and vacuum around the burner area.

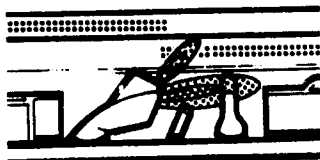
FLAME CHECK

A periodic visual check of the flames should be made. The pilot flame should always be present when the appliance is on and should

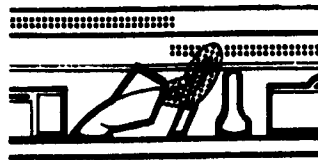
envelope the flame failure detector probe as shown in the diagram.

SERVICE & SPARES

For service and spares please call your local dealer. The repair parts are shown on the repair parts leaflet. Please always quote appliance model number, spare part number and description.



CORRECT PILOT FLAME

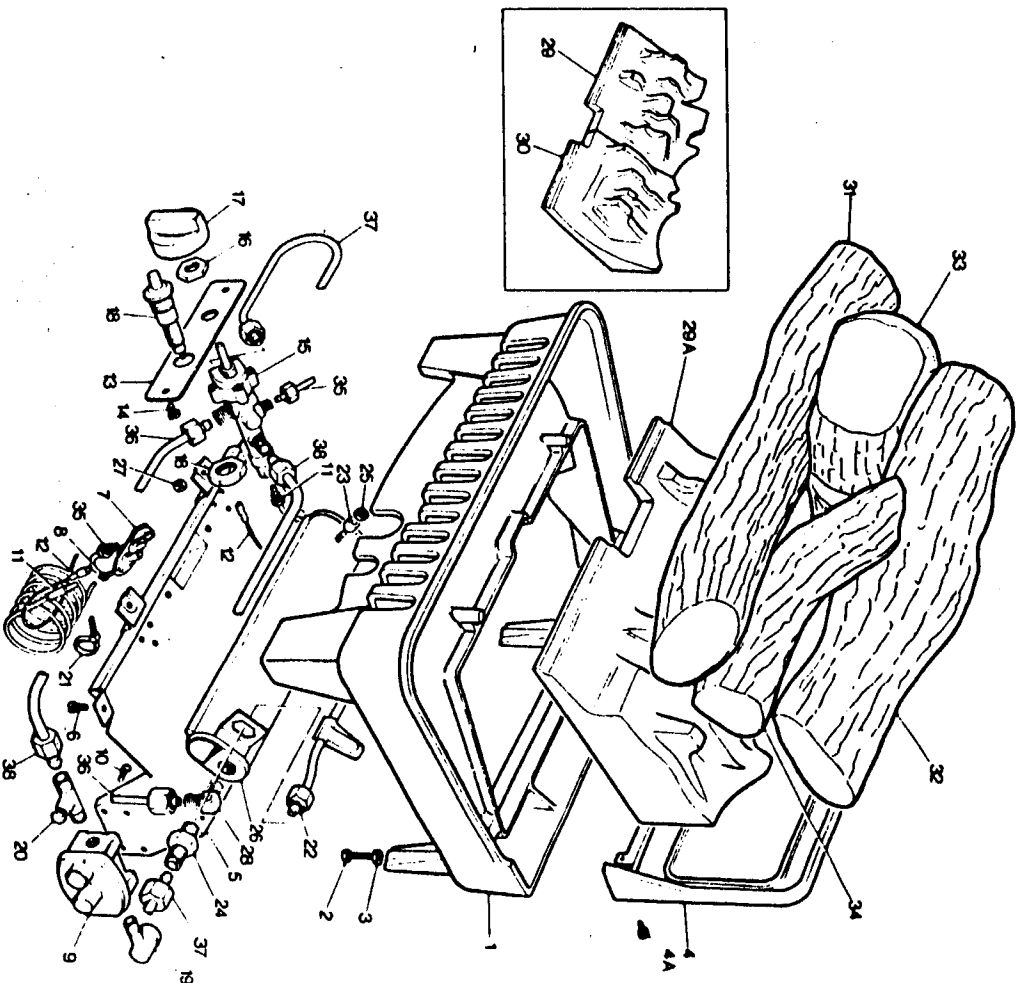


WRONG PILOT FLAME

VALOR HEATING LTD.
ERDINGTON
BIRMINGHAM
B24 9QP
ENGLAND

Distributed by
MILES INDUSTRIES LTD
829 THIRD STREET WEST
NORTH VANCOUVER B.C.
V7P 3K7

Key No.	Description	Part No.	Quantity per Appliance Model 484CN 485CN
1	Basket-Casting	552589C 552349C	1 —
2	Screw - Height Adjustment	534669C	2
3	Nut - Height Adjustment Locking	534679C	2
4	Backplate-Casting	552599C 552359C	1 —
4A	Screw - Back Clamping	535669C	2
5	Ceramic Support Rail Unit	552609C 552369C	1 —
6	Screw 5mm x 8mm	543719C	4
7	Assembly - Pilot and Electrode	551149C	1
8	Screw # 8 x 3/8" Tapping	511569C	2
9	Regulator	548729C 551219C	1 —
10	Screw # 6 x 1/4" Taprite 32 t.p.i.	548609C	4
11	Thermocouple	551179C	1
12	Lead - Electrode	552379C	1
13	Bracket - Gas Tap	552389C	1
14	Screw 3mm x 6mm	547299C	2
15	Gas Tap	552399C	1
16	Lock Nut	502739C	1
17	Control Knob	552409C	1
18	Piezo Generator	548859C	1
19	Elbow	503519C	1
20	T-Piece Pressure Test Point	503399C	1
21	Tie Cable	547699C	1
22	Burner Flame Effect	552619C 552419C	1 —
23	Spacer	552429C	1
24	Connector - Flame Burner Inlet	552439C	1
25	Nut 5mm	532279C	1
26	Burner - Main	552629C 552449C	1 —
27	Nut 5mm	532279C	2
28	Elbow - Main Burner Injector	552639C 552459C	1 —
29A	Pad - Ceramic Support	552649C	1
29	Pad - Ceramic Support L.H.	552469C	—
30	Pad - Ceramic Support R.H.	552479C	—
31	Log No. 1	552659C 552489C	1 —
32	Log No. 2	552669C 552499C	1 —
33	Log No. 3	552509C	1



Key No.	Description	Part No.	Quantity per Appliance Model 484CN 485CN
34	Log No. 4	552679C 552519C	1 —
35	Pipe Assembly - Tap to Pilot	552529C	1
36	Pipe Assembly - Tap to Main Burner	552539C	1
37	Pipe Assembly - Tap to Flame Burner	552549C	1
38	Pipe Assembly - Tap to Test	552569C	1