



UNIT 1 VALENTINES BUILDING  
AINTREE RACECOURSE  
BUSINESS PARK  
AINTREE  
LIVERPOOL  
L9 5AY

**JEWEL**  
**SUNRISE/PETIT/CUBE**  
DECORATIVE FUEL EFFECT GAS FIRE

THIS APPLIANCE IS CAT I<sub>2H</sub>  
FOR USE WITH NATURAL GAS  
ONLY  
G20 AT 20mbar  
IN G.B. AND I.E.

**USERS**  
**INSTALLATION & SERVICING**  
**BOOK**

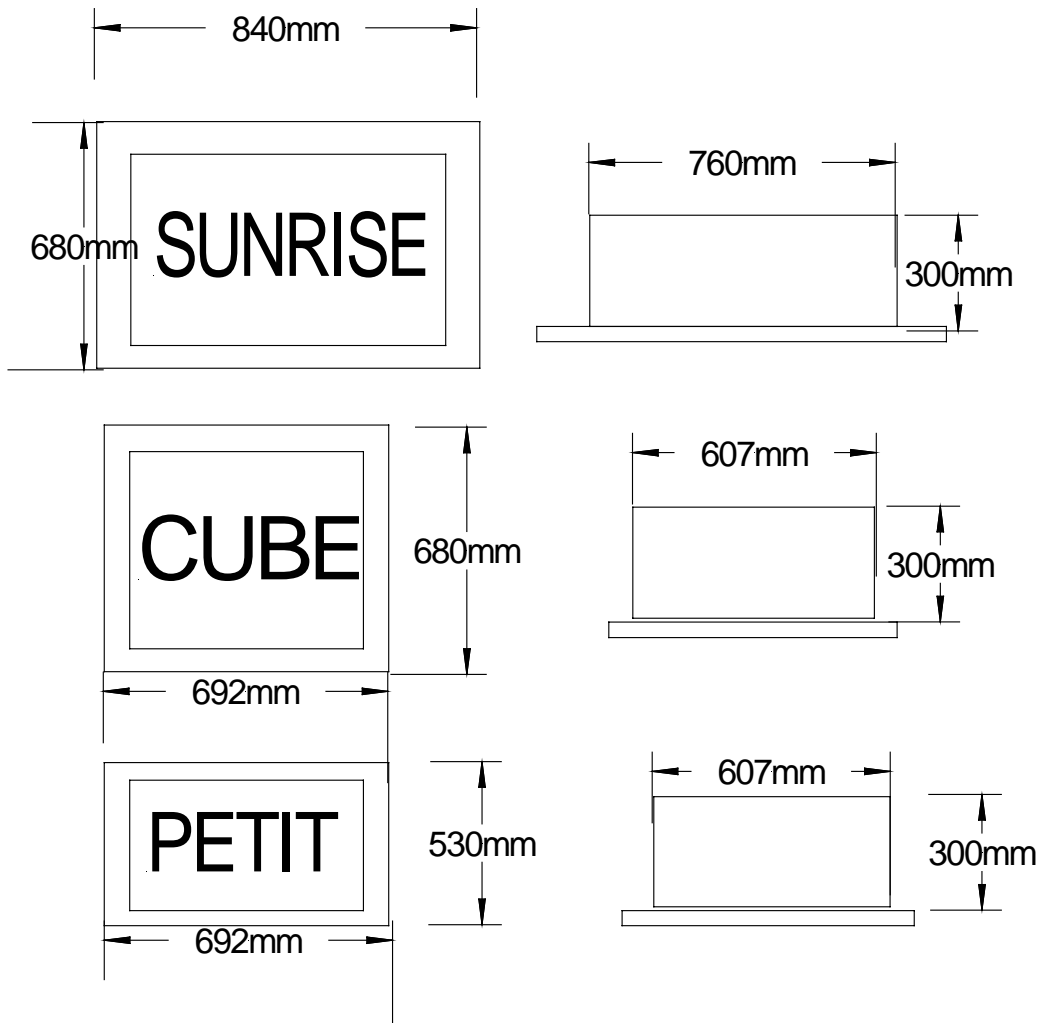
## INDEX

- FRONT COVER
- 2. INDEX
- 3. TECHNICAL DATA
- 4. INSTALLATION GENERAL
- 5. HEARTH
- 6. INSTALLATION
- 7. FIG A
- 8. INSTALLATION
- 9. INSTALLATION /ODS/ SERVICING
- 12. **USERS INSTRUCTIONS**
- 14. FUEL LAYOUT
- 22. REMOTE INSTRUCTIONS

NAME	MODEL No	GC No
SUPER HEATRAVE SUNRISE		

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE YOU START  
INSTALLING THE APPLIANCE KEEP THIS BOOKLET HANDY FOR FUTURE  
REFERENCE

.....TECHNICAL DATA.....



**SIZES INCLUDING TRIM**

GAS TYPE: G20 NATURAL  
 GAS PRESSURE : 20 MBAR  
 CONNECTION: 8mm OD TUBE  
 SPARK GAP: 2.5-4mm

INJECTOR :MANUAL TYPE CAT 82/460 BRAY  
 INJECTOR : REMOTE TYPE CAT 82/440  
 HEAT INPUT(GROSS)  
 HIGH : 6.9kW  
 LOW :4.1kW

CAT:1<sub>2H</sub>  
 DATA LABEL LOCATION FRONT BOTTOM SECTION OF APPLIANCE

INSTALLATION GENERAL

IMPORTANT NOTES

THE JEWEL SUNRISE IS DESIGNED AND TESTED TO THE REQUIREMENTS OF BSEN509:2000 AND IS FITTED WITH AN ATMOSPHERE SENSING DEVICE  
THE JEWEL SUNRISE CAN ONLY BE USED IN CONJUNCTION WITH A CONVENTIONAL CLASS 1 FLUE OR A 5" FLUE LINER WHEN INSTALLED WITH A CRYSTAL FLUE SPIGOT SHOWN IN FIG a

A NON COMBUSTABLE HEARTH MUST BE PROVIDED TO COMPLY WITH THE BUILDING REGULATIONS OR A SUITABLE PROPRIETARY FIRE SURROUND WITH A 100 DEGREES C RATING.

**UNLESS INSTALLED 300mm ABOVE FLOOR LEVEL(SEE SEPARATE PAGE)**

THE CHIMNEY OR FLUE(UNLESS NEW)MUST BE SWEEPED BEFORE INSTALLATION IF IT HAS BEEN USED FOR SOLID FUEL

\* INSTALLER

THE APPLIANCE MUST BE INSTALLED BY A COMPETENT PERSON ,IE A CORGI REGISTERED INSTALLER IN ACCORDANCE WITH THE CURRENT GAS SAFETY(INSTALLATION AND USE)REGULATIONS 1994 OR THE RULES IN FORCE.FAILURE TO DO SO COULD LEAD TO PROSECUTION

\*REGULATIONS

THE FOLLOWING ARE THE RELEVANT CODES OF PRACTICE AND BRITISH STANDARDS:

BS5781 PART 2 AND 3 1991 BS8303 1986 BS 5440 PART 1 1990 BS 6891 1988 BS 6461 PARTS 1 & 2 1984 BS 715 1989

THE BUILDING REGULATIONS ISSUED BY THE DEPARTMENT OF THE ENVIROMENT THE BUILDING STANDARDS(SCOTLAND)(CONSOLIDATION)REGULATIONS ISSUED BY THE SCOTTISH DEVELOPMENT OFFICE

\*VENTILATION

**GREAT BRITAIN**

NO SPECIAL VENTILATION BRICKS OR VENTS ARE NORMALLY REQUIRED INTO THE ROOM CONTAINING THE APPLIANCE,PROVIDED NORMAL ADVENTITIOUS ROOM VENTILATION EXISTS. THE INSTALLER MUST SATISFY THIS POINT BY CARRYING OUT A MANDATORY SPILLAGE TEST.

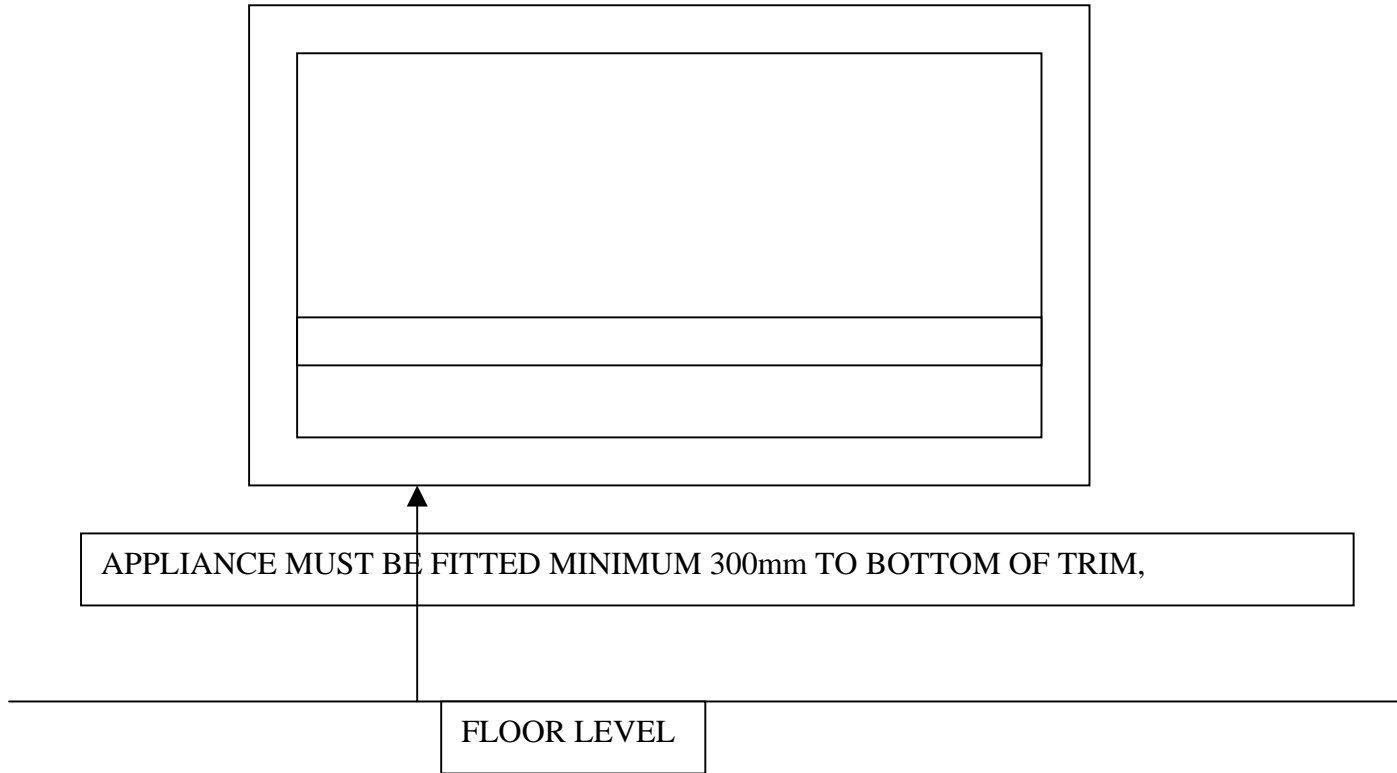
**IRELAND**

PURPOSE PROVIDED VENTILATION MUST BE PROVIDED AND MUST HAVE A MINIMUM FREE AREA OF 100CM<sup>2</sup>

\*WARNING

**THIS APPLIANCE HAS A NAKED FLAME,AS WITH ALL SUCH FIRES IT IS RECOMMENDED THAT A FIREGUARD SHOULD BE USED FOR THE PROTECTION OF CHILDREN,THE ELDERLY AND INFIRM.FIRE GUARDS SHOULD CONFORM TO BS 6539 (1984)(FIREGUARDS FOR USE WITH SOLID FUEL APPLIANCES).**

SUNRISE /CUBE/PETIT 4 SIDED ADDENDUM SHEET  
USERS INSTALLATION AND SERVICING INSTRUCTIONS



## **HEARTH**

**NO PURPOSE MADE HEARTH IS**  
**REQUIRED WITH THIS GAS**  
**APPLIANCE PROVIDING**  
**IT IS WALL MOUNTED AT A**  
**MINIMUM HEIGHT OF 300mm**  
**TO THE BOTTOM OF THE**  
**APPLIANCE TRIM**

INSTALLATION REQUIREMENTS

LOCATION AND FLUES

CONVENTIONAL CHIMNEY

A CONVENTIONAL BRICK OR STONE CHIMNEY AS USED FOR A SOLID FUEL APPLIANCE WITH A MINIMUM EFFECTIVE CROSS SECTIONAL DIMENSION OF 225 \* 225mm(9 \* 9 ins)WITH A MINIMUM OF 3 METRES EFFECTIVE HEIGHT.

A LINED FLUE WITH A MINIMUM DIAMETER OF 175 mm(7ins), OR A LINED FLUE WITH A MINIMUM DIAMETER OF 125mm when used with a crystal fires flue spigot.see fig.a

**Under no circumstances must a 125 mm liner be used without the crystal fires spigot**

THE CHIMNEY MUST BE SWEPT PRIOR TO INSTALLATION IF NOT NEW

**NOTE.**

THE FLUE MUST NOT BE RESTRICTED BY DAMPERS OR REGISTER PLATES.THE FLUE MUST SERVE ONLY ONE APPLIANCE AND NOT HAVE ANY BRANCHES OR TRAPS WHICH MAY IMPEDE THE NATURAL DRAUGHT.IF ANY TERMINAL IS FITTED IT MUST BE SUITABLE FOR THE PURPOSE.

HEARTH.

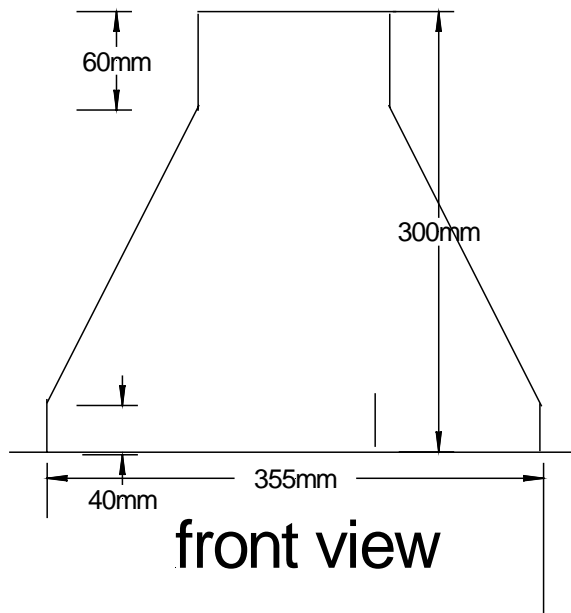
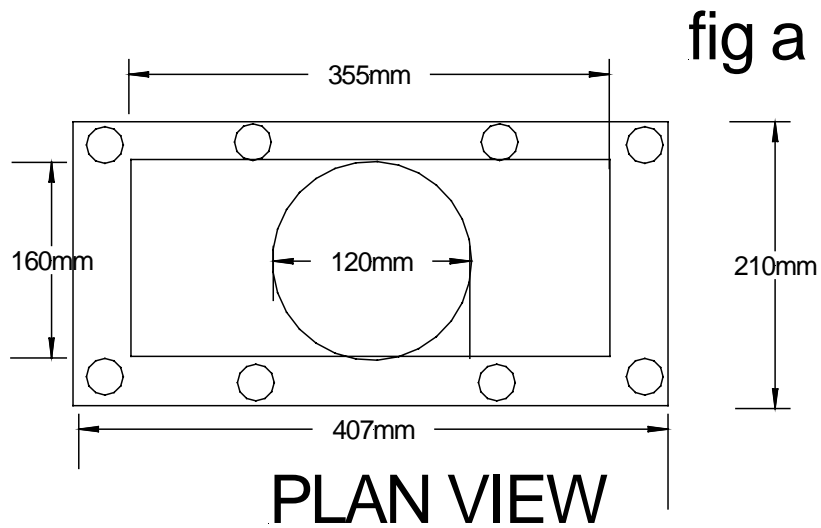
A NON COMBUSTIBLE HEARTH MUST BE PROVIDED BENEATH THE APPLIANCE WITHIN THE FIREPLACE OPENING.  
A FIRE RESISTING HEARTH MUST ALSO BE PROVIDED SYMMETRICALLY DISPOSED ABOUT THE FIREPLACE OPENING A MINIMUM THICKNESS OF 12 mm WITH THE PERIMETER 50mm ABOVE THE FLOOR LEVEL.  
THE WIDTH MUST EXTEND A MINIMUM OF 50mm EITHER SIDE OF THE FIREPLACE OPENING AND A DEPTH OF 300mm FROM THE FRONT OF THE FIREPLACE OPENING.

ANY COMBUSTABLE MATERIAL ABOVE THE OPENING MUST BE REMOVED UP TO A HEIGHT OF 1 METRE ABOVE THE HEARTH LEVEL.

INSTALLATION REQUIREMENTS

SOFT FURNISHINGS

CARE SHOULD BE TAKEN TO PREVENT ANY DAMAGE BEING CAUSED TO SURROUNDING SOFT FURNISHINGS OR DECORATION.E.G MANY EMBOSSED VINYL WALL COVERINGS MAY BECOME DISCOLOURED IF PLACED TOO CLOSE TO THE APPLIANCE.



$\pm 3\text{mm}$   
**sunrise/cube /petit flue spigot**

TO SUIT 125mm FLUE LINER  
 CONNECT FLUE LINER TO FLUE SPIGOT AND SECURE. LEAVE IN  
 BUILDERS OPENING 25mm ABOVE TOP OF SUNRISE BOX.  
 INSERT BOX INTO OPENING AND SECURE SPIGOT USING 8  
 SELF TAPPING SCREWS SUPPLIED.

INSTALLATION STEPS  
CHECK FLUE

CHECK THAT THE CHIMNEY CONFORMS TO THE REQUIRED SPECIFICATIONS AS  
PREVIOUSLY STATED

EXAMINE THE CONDITION AND CARRY OUT ANY REMEDIAL WORK IF THE FLUE  
HAS BEEN USED FOR SOLID FUEL IT SHOULD BE SWEEPED AND A SMOKE TEST  
CARRIED OUT TO CHECK THAT SATISFACTORY SMOKE CLEARANCE HAS BEEN  
ESTABLISHED

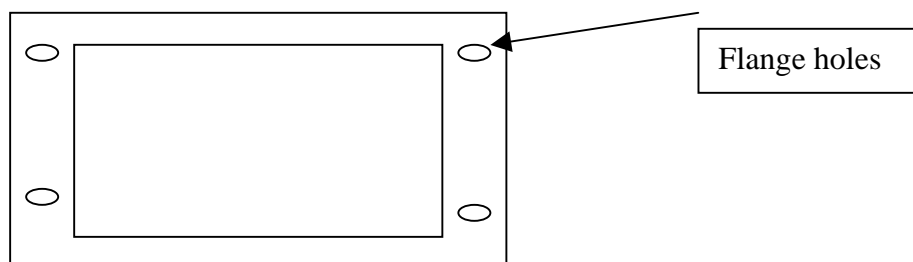
IF ALL THE SMOKE IS NOT DRAWN INTO THE FLUE ,PRE HEAT THE FLUE WITH  
A BLOW TORCH OR SIMILAR AND RE CHECK.IF THERE IS ANY UNCERTAINTY  
EXAMINE FOR THE CAUSE AND,IF NECCESARY SEEK EXPERT ADVICE.

GAS SUPPLY

IT IS RECCOMENDED A CONCEALED CONNECTION IS MADE USING RIGID OR  
SEMI RIGID TUBING, FROM THE REAR OF THE UNIT TAKING INTO ACCOUNT THE  
REQUIREMENTS OF BS 6891 1988 DEALING WITH ENCLOSED PIPES.  
A SUITABLE ISOLATING COCK SHOULD ALWAYS BE FITTED IN THE SUPPLY FEED  
TO THE FIRE TO FACILITATE SERVICING.

SECURE FIRE TO THE FIREPLACE

MARK POSITION OF FLANGE HOLES, DRILL AND PLUG AND FIX FIRE TO  
FIREPLACE ENSURING A GOOD SEAL IS MADE BETWEEN FIREBOX AND FIREPLACE  
USING FOAM SEAL SUPPLIED.



INSTALLATION STEPS

CONNECT GAS SUPPLY TO INLET ELBOW ,fuel BED ,SEE THESE INSTRUCTIONS.

CHECKING GAS PRESSURE AND SOUNDNESS

REMOVE THE PRESSURE TEST POINT SCREW FROM THE INLET ELBOW AND  
CONNECT PRESSURE GAUGE.

TURN ON GAS TO APPLIANCE.

ROTATE THE CONTROL TO THE IGNITION POSITION AND PUSH IN TO ALLOW THE  
AIR IN THE PIPEWORK TO BE PURGED.

PUSH IN PIEZO IGNITION SWITCH

CHECK THAT THE ELECTRODE IS SPARKING .

CONTINUE SPARKING UNTIL PILOT IGNITION IS ESTABLISHED.

TURN THE GAS CONTROL KNOB ON TO THE HIGH POSITION AND ALLOW TO RUN  
FOR FIVE MINUTES.

CHECK THE INLET PRESSURE IS 20 MBAR. +/- 1mbar

CHECK FOR GAS SOUNDNESS.

TURN OFF GAS SUPPLY, DISCONNECT PRESSURE GAUGE AND REPLACE PRESSURE  
TEST POINT SCREW.



INSTALLATION STEPS  
TEST FOR SPILLAGE

CHECK FOR SATISFACTORY CLEARANCE OF COMBUSTION PRODUCTS

CLOSE ALL DOORS AND WINDOWS IN THE ROOM CONTAINING THE FIRE.

TURN ON GAS SUPPLY, LIGHT THE FIRE AND SET THE CONTROLS TO HIGH

LEAVE THE FIRE BURNING FOR FIVE MINUTES AND INSERT A LIGHTED SMOKE MATCH ON A VERTICAL PLANE 50mm INSIDE THE CANOPY AND 180mm FROM EITHER SIDE OF THE OPENING  
ALL THE SMOKE MUST BE DRAWN INTO THE FLUE.

IF SPILLAGE OCCURS ALLOW A FURTHER TEN MINUTES.

SHOULD SPILLAGE STILL OCCUR TURN OFF THE FIRE AND SEEK EXPERT ADVICE

IF AN EXTRACTOR FAN IS SITUATED IN THE ROOM THIS TEST SHOULD BE REPEATED WITH THE FAN RUNNING

IF THERE IS A CONNECTED ROOM WITH AN EXTRACTOR FAN, THE TEST SHOULD BE REPEATED WITH ALL THE DOORS TO THAT ROOM OPENED AND THE EXTRACTOR FAN RUNNING.

INSTALLATION STEPS

**FITTING TRIMS**

FIT THE TRIM WITH FOUR MAGNETS PLACED ON THE VERTICAL SIDE FLANGES OF THE FIREBOX(ONE AT THE TOP AND ONE AT THE BOTTOM)

OFFER THE TRIM UP AND PUSH INTO POSITION

PLACE FRET CENTRALLY IN FRONT TO COVER THE CONTROLS

**INSTRUCT USER**

DEMONSTRATE THE LIGHTING AND EXTINGUISHING PROCEDURES TO THE USER AND REMOVAL AND REFITTING OF THE TRIM FOR CLEANING.

THE APPLIANCE SHOULD BE OPERATED WITH THE GAS CONTROL NOT TURNED ON MORE THAN LOW FOR THE FIRST FIVE HOURS OF USE TO ALLOW THE FIBRE LOGS TO CURE SLOWLY.

THE CURING EFFECT OF HEATING THE LOGS AND OTHER CERAMICS COMPONENTS WILL CAUSE AN INITIAL ODOUR.

THE APPLIANCE SHOULD BE SERVICED ANNUALLY BY A COMPETENT PERSON IN ACCORDANCE WITH THESE INSTRUCTIONS AND THE APPLIANCE CHECKED FOR SPILLAGE IN ACCORDANCE WITH THE METHOD DETAILED IN THESE INSTRUCTIONS

HAND THESE INSTRUCTIONS TO THE USER.

## SERVICING NOTES

### **GENERAL NOTES.**

SERVICING SHOULD BE CARRIED OUT ANNUALLY BY A COMPETENT PERSON SUCH AS A CORGI REGISTERED PERSON IN ACCORDANCE WITH THE RELEVANT REGULATIONS ,TO ENSURE THE SAFE AND CORRECT OPERATION OF THE APPLIANCE

BEFORE COMMENING ANY SERVICE OR REPLACEMENT OF PARTS TURN OFF GAS SUPPLY TO FIRE

AFTER SERVICING CHECK FOR GAS SOUNDNESS

AT LEAST ONCE A YEAR CHECK FOR DEBRIS

IF SOOT HAS ACCUMULATED CHECK TO ESTABLISH CAUSE AND RECTIFY IF NECCASARY CLEAN FLUE OR CHIMNEY ACCORDINGLY

EXAMINE THE FUEL FOR SIGNS OF CRACKING AND REPLACE IF NECCESARY.SEE FUEL LAYOUT PROCEDURE BEFORE ATTEMPTING TO REPLACE FUEL WHICH SHOULD ONLY BE REPLACED AS A COMPLETE SET WITH NO EXTRA FUEL ADDED

### **1 REMOVAL OF FUEL**

REMOVE LOOSE FUEL

REMOVE FRONT FIBRE SET

REMOVE REAR FIBRE SET

### **2REPLACEMENT OF GAS CONTROL**

REMOVE FUEL SET AS 1

DICONNECT FIRE AT INLET ELBOW

REMOVE FIRE TRAY BY UNSCREWING TWO SCREWS AT FRONT BOTTOM SECTION OF FIRE TRAY

REMOVE CONTROL KNOB,DISCONNECT GAS CONNECTIONS TO VALVE INCLUDING PILOT CONNECTIONAND THERMOCOUPLE CONNECTION

REMOVE LOCKNUT HOLDING GAS CONTROL TO FRONT BOTTOM SECTION

RE ASSEMBLE IN REVERSE ORDER

TURN ON GAS SUPPLY,CHECK FOR SOUNDNESS AND RE COMMISSION APPLIANCE

### **3 REPLACEMENT OF INJECTOR**

REMOVE FUEL SEE 1

REPEAT 2 REMOVE GAS CONTROL

DISCONNECT GAS CONNECTIONS TO INJECTOR

UNSCREW INJECTOR WHILST AT THE SAME TIME HOLDING THE LOCKNUT WITH A SPANNER AND CLEAN OR REPLACE

RE ASSEMBLE IN REVERSE ORDER

TURN ON GAS SUPPLY .CHECK FOR SOUNDNESS AND RECOMMISSION THE APPLIANCE

### **4 REPLACEMENT OF OXY-PILOT ASSEMBLY**

DISCONNECT FIRE AT INLET ELBOW

REMOVE FIRETRAY BY UNSCREWING 5 SCREWWS AT FRONT OF TRAY AND TWO AT BACK

DISCONNECT THERMOCOUPLE FROM GAS VALVE

DISCONNECT GAS CONNECTION FROM PILOT ASSEMBLY

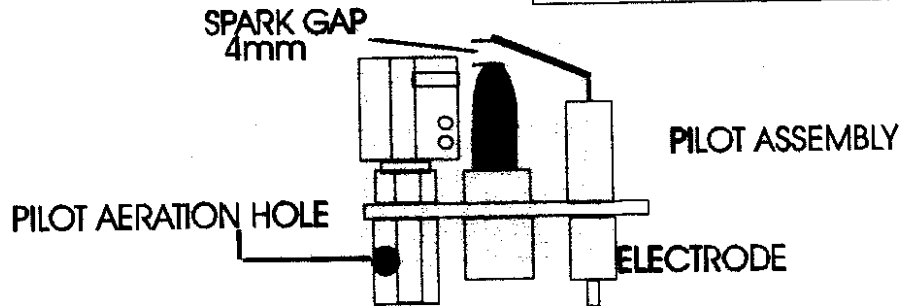
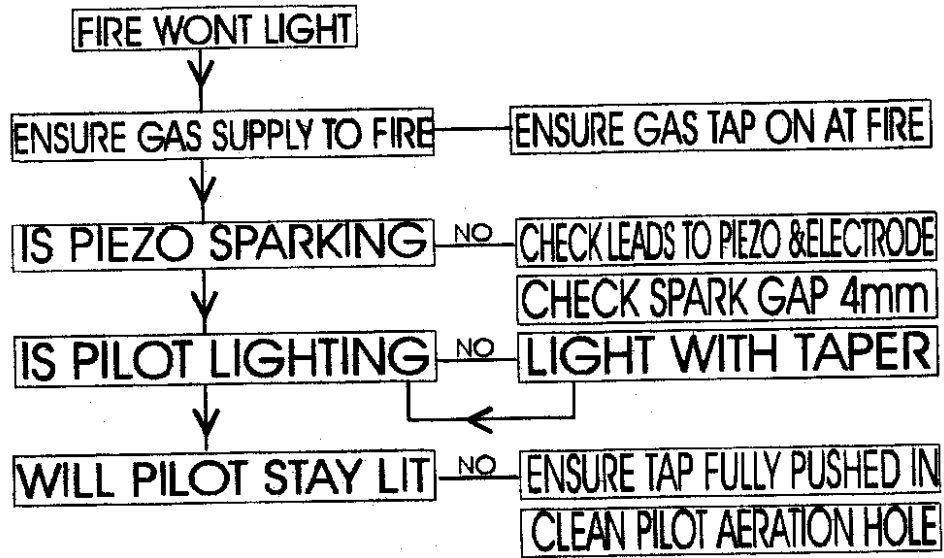
REMOVE IGNITOR LEAD FROM PILOT ASSEMBLY

UNDO SCREWS SECURING OXY-PILOT TO FIRETRAY

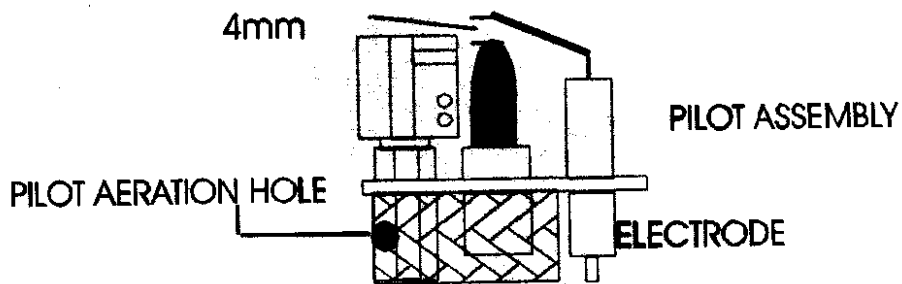
RE-ASSEMBLE IN REVERSE ORDER

TURN ON GAS SUPPLY ,CHECK FOR GAS SOUNDNESS AND RE-COMMISSION APPLIANCE .

# CRYSTAL FIRES ODS SERVICING GUIDE



IF FOR ANY REASON FIRE WILL NOT STAY LIT OR GOES OUT AFTER A SHORT PERIOD THE MAIN CAUSE IS DUST IN THIS HOLE, PETS SUCH AS DOGS OR CATS WILL MAKE DUST IN THIS HOLE MORE LIKELY.



IF LINT ARRESTER IS FITTED (SHOWN) THIS WILL HAVE TO BE REMOVED CLEANED AND REPLACED.



1 VALENTINES BUILDINGS  
BECHERS DRIVE  
AINTREE RACECOURSE  
BUSINESS PARK  
AINTREE  
LIVERPOOL  
L9 5AY

JEWEL  
SUNRISE/CUBE /PETIT  
DECORATIVE FUEL EFFECT GAS FIRE

THIS APPLIANCE IS CAT I<sub>2H</sub>  
FOR USE WITH NATURAL GAS  
ONLY

G20 AT 20mbar  
IN G.B. AND I.E.

USERS INSTUCTIONS

## USERS INSTRUCTIONS FOR JEWEL GAS APPLIANCE

YOUR JEWEL GAS APPLIANCE IS A DECORATIVE LIVE FUEL EFFECT GAS FIRE ,DUE TO ITS NEWNESS THE FIRE MAY GIVE OFF SLIGHT SMELL FOR A SHORT PERIOD AFTER INSTALLATION .THIS IS QUITE NORMAL AND WILL DISAPPEAR AFTER A FEW HOURS OF OPERATION. THE APPLIANCE TO WHICH THESE INSTRUCTIONS APPLY MUST BE INSTALLED BY A COMPETENT PERSON(EG. A C.O.R.G.I MEMBER IN ACCORDANCE WITH THE CURRENT EDITION OF THE GAS SAFETY INSTALLATIONS AND USE REGULATIONS OR THE RULES IN FORCE)APPROVED BY THE HEALTH AND SAFETY EXECUTIVE AND MUST BE IN ACCORDANCE WITH THE INSTALLATION AND SERVICING INSTUCTIONS SUPPLIED.

SERVICING SHOULD BE CARRIED OUT REGULARLY BY A COMPETENT PERSON ( EG A C.O.R.G.I MEMBER)IN ACCORDANCE WITH THE CURRENT EDITION OF THE GAS SAFETY (INSTALLATION AND USE) REGULATIONS OR THE RULES IN FORCE.TO ENSURE THE CORRECT AND SAFE OPERATION OF THE APPLIANCE .DEBRIS SHOULD ALSO BE REMOVED FROM BEHIND THE APPLIANCE AT REGULAR INTERVALS.

BEFORE INSTALLATION OF THE APPLIANCE THE CHIMNEY MUST BE SWEPT AND THEN INSPECTED REGURLARLY TO ENSURE THAT IT REMAINS FREE OF OBSTRUCTION.

A FIRE GUARD COMPLYING TO BS8423 ,MUST BE FITTED IF THE ROOM WILL BE OCCUPIED BY YOUNG CHILDREN THE ELDERLY ,OR INFIRM PEOPLE. ON NO ACCOUNT MUST ANY RUBBISH BE THROWN ON TO THE FIRE OR THE LAYOUT OF THE FIREBED DISTURBED.

### OPERATING INSTRUCTIONS.

THE APPLIANCE DATA BADGE IS POSITIONED ON THE FRONT BOTTOM SECTION OF THE APPLIANCE AND CARRIES THE CONTROL KNOB POSITIONS.THE FULL LIGHTING PROCEDURE IS AS FOLLOWS.

- 1.PUSH CONTROL KNOB IN AS FAR AS POSSIBLE ON GAS CONTROL
- 2.TURN KNOB ANTICLOCKWISE TO IGNITION POSITION STILL KEEPING KNOB IN AS FAR AS POSSIBLE.
- 3.THE IGNITION BUTTON WILL IGNITE THE PILOT WITH THIS OPERATION **KEEP THE KNOB PRESSED IN FOR 15 SECONDS**.IF THE PILOT FAILS TO LIGHT TURN THE CONTROL KNOB CLOCKWISE TO THE OFF POSITION, WAIT 3 MINUTES AND REPEAT THE PROCEDURE
- 4.WHEN THE PILOT FLAME IS ALIGHT THE CONTROL KNOB SHOULD BE ALLOWED TO SPRING OUT SLIGHTLY.TURN THE KNOB FULLY ANTICLOCKWISE TO THE HIGH POSITION.THE PILOT FLAME WILL THEN IGNITE THE MAIN BURNER.THE PILOT FLAME CAN BE VIEWED TO THE RIGHT OF THE FIRE JUST BEHIND THE FRONT LOG SET
- 5.THE APPLIANCE CAN BE ADJUSTED BETWEEN HIGH AND LOW BY MOVING THE CONTROL KNOB TO SUIT,THE KNOB WILL NEED TO BE DEPRESSED SLIGHTLY TO MOVE FROM LOW HIGH AND IGNITION.
- 6.TO TURN THE FIRE OFF,DEPRESS THE KNOB SLIGHTLY AND TURN IT TO PILOT POSITION.
- 7.TO COMPLETELY EXTINGUISH THE FIRE DEPRESS THE KNOB SLIGHTLY AND TURN TO OFF POSITION.
- 8.SHOULD THE SPARK IGNITION FAIL TO OPERATE.TURN THE CONTROL KNOB TO THE OFF POSITION AND WAIT 3 MINUTES.TURN THE KNOB TO THE IGNITION POSITION AND THEN LIGHT THE PILOT WITH A TAPER."LIGHTING THE PILOT

WITH A TAPER IS AN EMERGENCY MEASURE ONLY AND THE APPLIANCE SHOULD BE SERVICED AS SOON AS POSSIBLE".AND THEN PROCEED AS STATED IN PARAGRAPHS 2/7.

**IMPORTANT .THIS APPLIANCE IS FITTED WITH AN OXYGEN DEPLETION SENSOR INCORPORATED INTO THE PILOT BODY.SHOULD THE FIRE REEATEDLY EXTINGUISH ITSELF THEN SPECIALIST ADVISE SHOULD BE SOUGHT,AS THIS MAY INDICATE SPILLAGE INTO THE ROOM OF COMBUSTION PRODUCTS.**

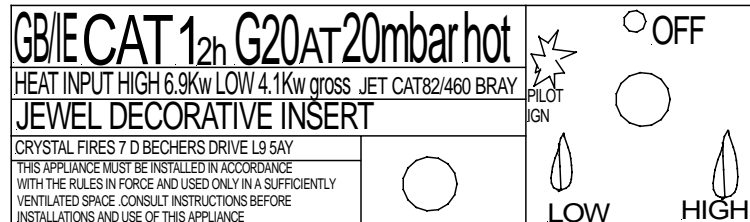


FIG 1

### **CLEANING**

BEFORE CLEANING ANY PART OF THE FIRE ,ENSURE THAT THE GAS IS TURNED OFF AND FIRE IS COOL.

#### **BLACK PAINT.**

USE ONLY CLEAN DAMP CLOTH ,DO NOT USE ANY CLEANING AGENTS

#### **BRASS TRIM**

USE BRASSO,ENSURING YOU REMOVE THE BRASS TRIM FROM THE APPLIANCE BEFORE CLEANING

#### **IMPORTANT**

THE PAINT AND BRASS FINISH ARE DURABLE BUT WILL BE DAMAGED IF PLASTER,CEMENT,OR WALLPAPER PASTE COMES IN CONTACT WITH IT

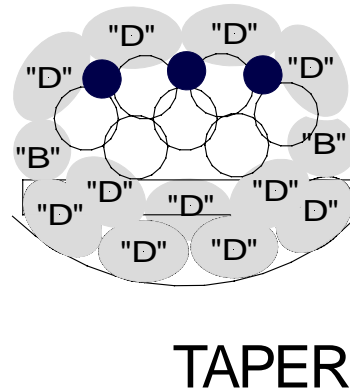
#### **COALS AND CERAMICS**

IF FOR ANY REASON IT IS NECCESARY TO REMOVE CERAMIC PARTS,THEN BEFORE REPLACEMENT THE BURNER SHOULD BE CHECKED THAT NO PARTICLES HAVE DEPOSITED ON THE BURNER AND IF NECCESARY VACUUM THEM CAREFULLY,THEN REFER TO INSTRUCTIONS FOR REPLACING CERAMICS.

CERAMICS SHOULD BE CLEANED WITH A SOFT BRUSH

# JEWEL GAS FIRE LIGHTING WITH TAPER

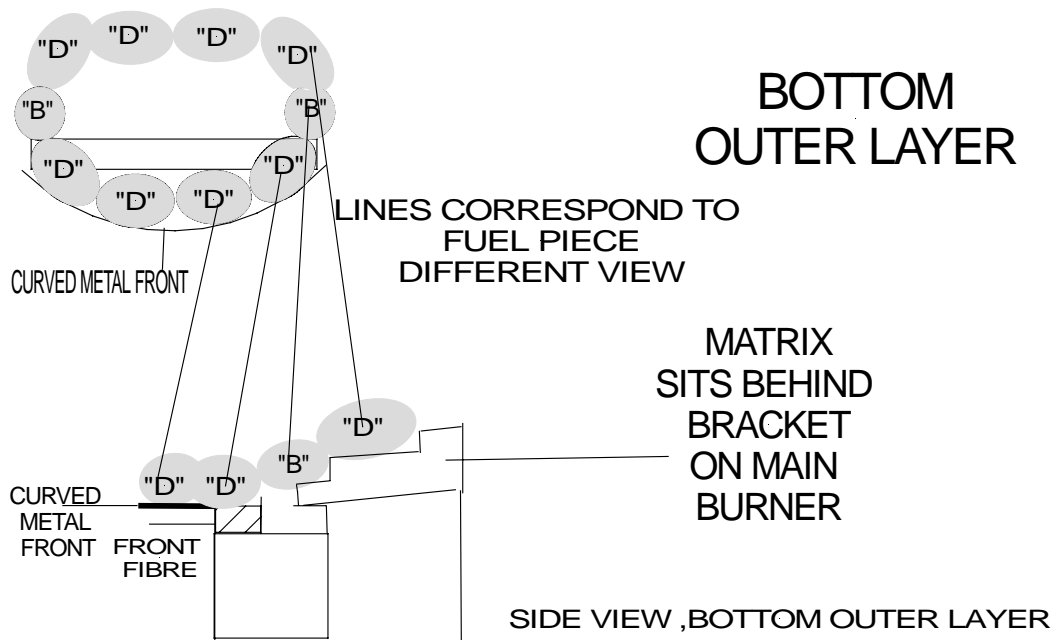
TO LIGHT WITH TAPER ,PUSH  
LIGHTED TAPER AS SHOWN  
WHILST FOLLOWING THE OPERATING  
INSTRUCTIONS



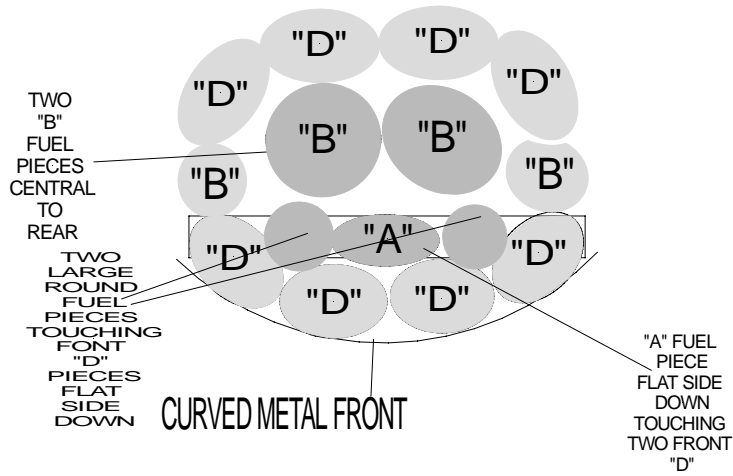
## COAL BED LAYOUT

PERIODICALLY SMALL DEPOSITS OF SOOT MAY GATHER ON THE FUEL  
BED AND BURNER, THIS MUST BE REMOVED BY REMOVING FUEL AND  
BRUSHING ANY DEPOSITS WITH A SOFT BRUSH AND VACUUMING THE  
BURNER, THEN REPLACE FUEL USING THE FOLLOWING PROCEDURE.

## JEWEL GAS FIRE FUEL BED LAYOUT TOP VIEW

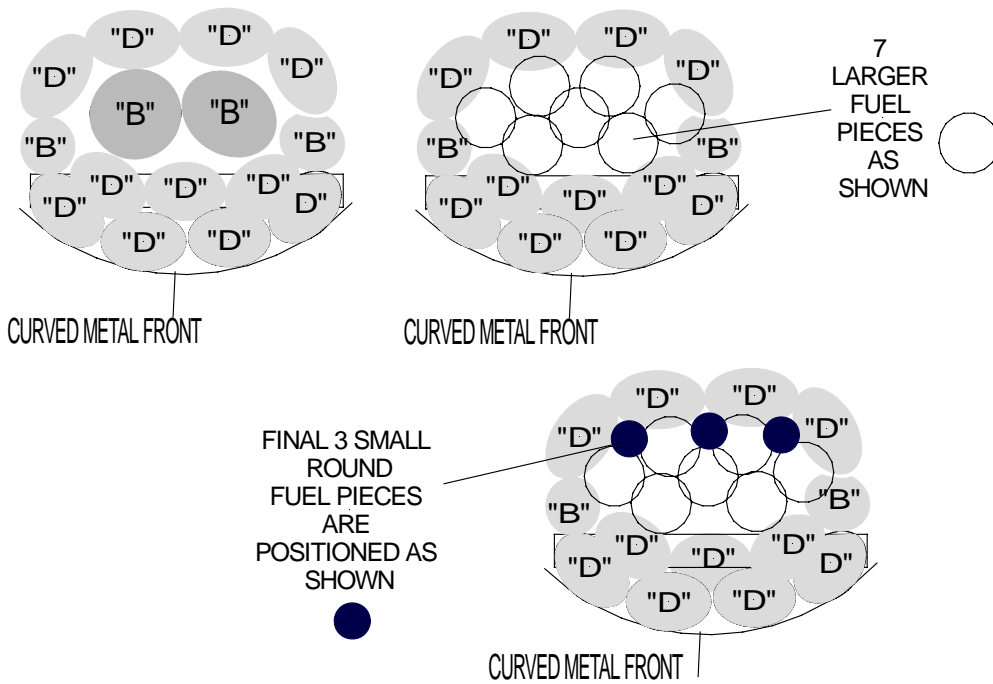


JEWEL GAS FIRE FUEL BED LAYOUT TOP VIEW  
MIDDLE FUEL PIECES



spss

JEWEL GAS FIRE FUEL BED LAYOUT TOP VIEW  
TOP FUEL PIECES

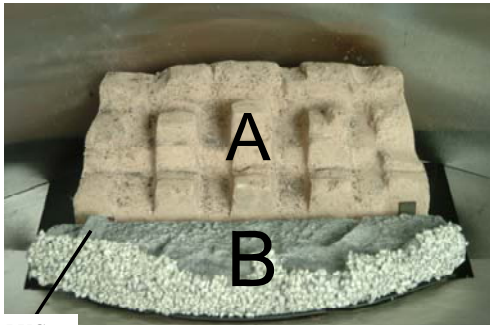


CUSTOMER SPARE PARTS

FUEL BED	JEW001	MAIN MATRIX	JEW002
FRONT FIBRE	JEW 003	INSTUCTIONS	JEW 004
BRASS TRIM	JEW 005		



# DRIFTWOOD SET UP FOR SUNRISE/JEWEL/SUPER AND LAGOON.



LUG

**ALL PIECES MARKED UNDERNEATH WITH A LETTER**

**LEFT**

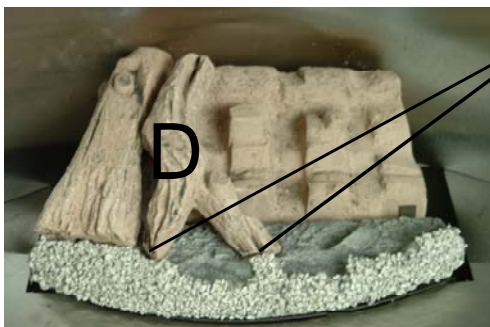
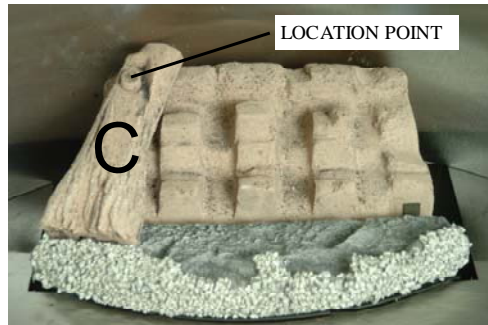
MAIN MATRIX (A) FITS AT REAR OF BURNER AS SHOWN, BEHIND THE TABS OF MATRIX BRACKET.

FRONT BASE (B) FITS AS SHOWN ENSURING BOTTOM IN CHANNEL OF MAIN BURNER WITH CUT OUTS OVER SCREWS

FRONT AND BACK ARE ALIGNED WHEN

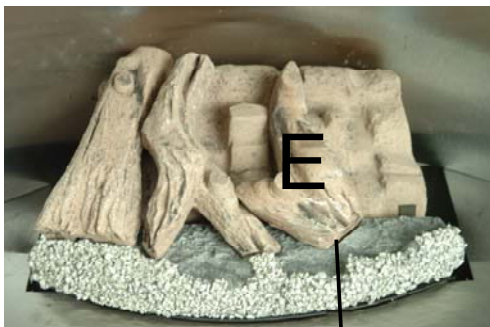
**RIGHT**

WITH MATRIX AND FRONT BASE FITTED PIECE (C) IS FITTED TO THE LEFT HAND SIDE, THE FRONT BASE HAS A LUG AND THE UNDERSIDE OF (C) HAS A SLOT, THE (C) PULLS FORWARD AS FAR AS POSSIBLE TO TOUCH THE FRONT OF THE BASE AS SHOWN, THE REAR HAS A GROOVE CUT AT THE BACK AND THE MATRIX CAN BE MOVED SLIGHTLY SO (C) FALLS IN AND HAS CORRECT POSITIONING, THIS PROCESS ENABLES THE REAR MATRIX THE FRONT MATRIX AND DRIFTWOOD (C) TO ENSURE ALL OTHER PIECES ALIGN CORRECTLY.



**LEFT**

DRIFTWOOD (D) IS FITTED WITH TWO POINTS AS SHOWN FULLY FORWARD AND AS CLOSE TO PIECE (C) AS POSSIBLE THE PIECE WILL JUST SIT LYING ON THE PILLAR OF THE REAR MATRIX AND WILL BE TWISTED TO THE RIGHT AS MUCH AS POSSIBLE AND FIRMLY POSITIONED.



SLOT TO THE SHAPE OF (E)



**ABOVE**

PIECE (F) SITS TO THE RIGHT OF (E) INTO SHAPE OF SLOT MATCHING SHAPE OF DRIFTWOOD PIECE (F), THE REAR OF THE PIECE (F) SLOTS INTO INDENTATION ON REAR MATRIX.

THE PIECE IS PULLED FULLY FORWARD TO FRONT BASE

**LEFT**

PIECE (E) SITS INTO SLOT ON FRONT PIECE FOLLOWING THE ANGLE WITH THE SHAPE OF PIECE (E) THE LEFT SIDE BRANCH JUST SITS ON (D) WITH THE BRANCH GOING TO THE REAR BETWEEN THE TWO PILLARS ON THE MAIN MATRIX.



**LEFT**  
 DRIFTWOOD PIECE (G),SITS AS SHOWN PIECE G HAS A ROUND CUT OUT TO THE REAR FRONT AND PIECE (D) HAS A LOCATING POINT ,THE CUT OUT FITS ONTO THE LOCATING POINT WITH THE BRANCH RUNNING TO THE REAR AND SLOTTING BETWEEN DRIFTWOOD PIECES (D) & (E).

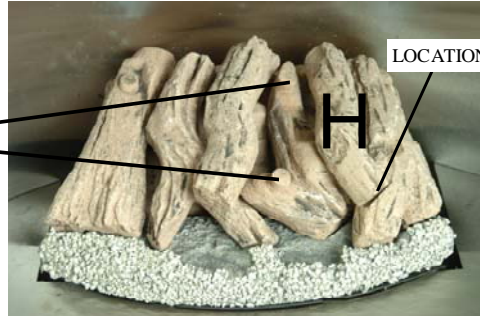
**LOCATION POINT ON PIECE (D) SEE PREVIOUS PICTURES**

**BELOW**

PIECE (H) SITS AS SHOWN ONTO THE LOCATION POINT & BETWEEN DRIFTWOOD PIECES (E) & (F).TWISTING FULLY TO THE RIGHT UNTIL FIRMLY POSITIONED

**BELOW**  
 PIECE (J)IS FITTED ON TOP OF PIECE (E) DIRECTLY ONTO LOCATING POINTS  
 PIECE I HAS TWO HOLES TO FIT DIRECTLY ON TO LOCATING POINTS FULLY DOWN AND FIRMLY IN PLACE

LOCATION POINTS



LOCATION POINT



**BELOW**

PIECE (I) FITS ON TOP OF PIECE(C) USING LOCATION POINT ON PIECE (C) AND HOLE IN PIECE (I). ENSURING IT IS FULLY LOCATED AND SITTING FIRM IN POSITION RESTING ON PIECE (C) AND PIECE (D) AS SHOWN BELOW

**BELOW**  
 SMALL PIECES (K) &(L) SIT AS SHOWN BELOW

WHEN ALL PIECES ARE FITTED THERE SHOULD BE LITTLE MOVEMENT OF ALL THE BOTTOM PIECES AND SOME SLIGHT MOVEMENT IF ANY ON THE TOP PIECES



OCCASIONALLY SMALL DEPOSITS OF SOOT MAY GATHER ON THE DRIFTWOOD PIECES,IF THIS HAPPENS PLEASE REMOVE WHEN COLD .ALL THE PIECES DUST WITH A SOFT PAINTBRUSH AND REPLACE IN ORDER USING THIS ARRANGEMENT .

## LOG SET LAYOUT



THE MATRIX FITS BEHIND BRACKETS, AND FRONT FIBRE IN WELL OF FRONT OF THE BURNER ,FLAT (BRCKETS MARKED WITH WHITE DOTS)  
THE MAIN FRONT LOG CAN NOW BE PUSHED CENTRAL UP TO TWO STOP POINTS ON THE BURNER SITTING ON CARRIER ON LEFT AND RIGHT.



ONCE MAIN LOG IS PUSHED UP TO LUGS .THE TWO SIDE LOGS CAN BE PLACED,THESE TWO SIDE LOGS ARE HOLLOW AND ARE FITED ON EACH SIDE OF THE MATRIX. AS SHOWN



THE TWO SIDES LIE ON THE MATRIX TOUCHING THE FRONT LOG WITH THE FLAT SIDES FACING UPWARDS.



THE LOG SET REAR CAN NOW BE PLACED ON TOP OF MATRIX CENTRAL BETWEEN THE SIDE LOGS AS SHOWN.



THE TWO FIR CONES CAN NOW BE PLACED ON THE MATRIX BETWEEN THE TWO SIDE LOGS AND TOUCHING THE MAIN FRONT LOG. WITH THE POINTS LOOKING OUT AS SHOWN.



THE TWO FRONT SMALL LOGS NOW SIT ON TOP OF MAIN LOG WITH THE BRANCHES LYING ON THE TWO SIDE HOLLOW LOGS. THERE SHOULD BE A 25mm GAP BETWEEN THE CENTRE OF THE TWO LOGS AS SHOWN.



THE THREE LARGE ROUND STONES FIT IN THE CENTRE OF THE MATRIX, WITH THE TWO SMALL STONES AT THE SIDES AS SHOWN.



THE REAR CURVED LOG CAN NOW BE PLACED TOUCHING THE REAR LOG ON TOP OF THE STONES. CENTRAL



THE TWO SIDE LOGS CAN NOW BE PLACED ON TOP OF THE FRONT SMALL LOGS CENTRE, AND ON TOP OF THE HOLLOW LOG AT THE SIDE, WITH THE CURVED BRANCH ALSO JUST TOUCHING AT THE BACK,



THE FOUR SMALL LOGS CAN NOW BE PLACED OVER THE CURVED LOG AND THE TWO SIDES ALLOWING GAPS FOR THE FLAMES. AS SHOWN.

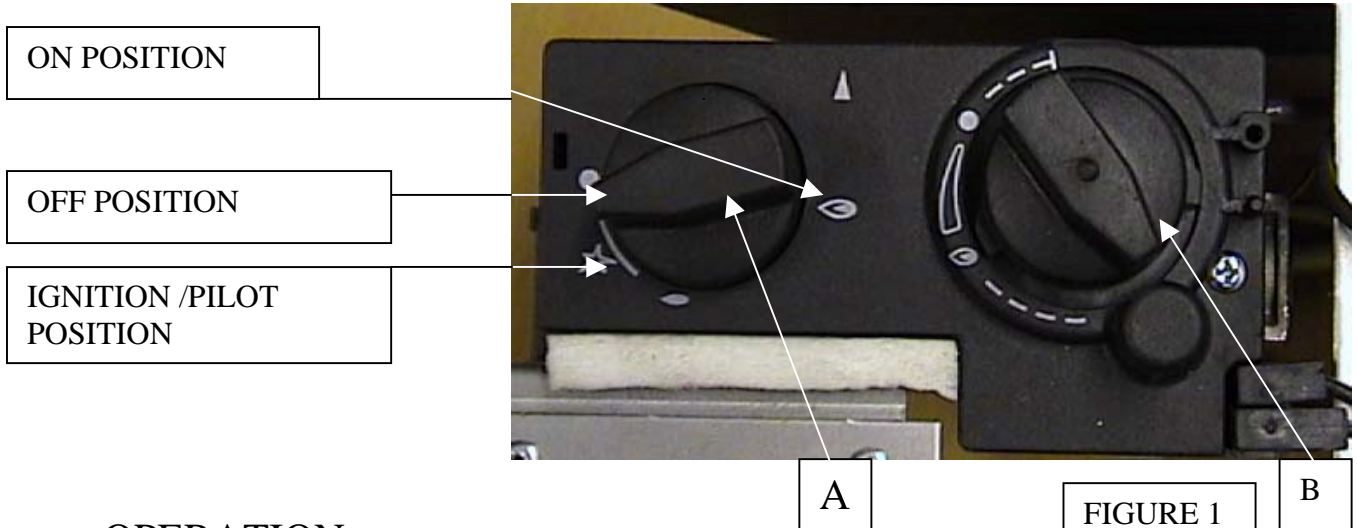


THE BAG OF EMBERS CAN NOW BE OPENED AND RANDOMLY SPREAD THEM AROUND THE BASE OF THE LOGS. THESE EMBERS ARE PURELY DECORATION USED TO COVER THE FRONT AND SIDES OF THE APPLIANCE AS SHOWN. YOU DO NOT HAVE TO USE THEM ALL. DO NOT LAY THEM OVER OR ON THE LOGS.

MERTIK MAXITROL REMOTE CONTROL SYSTEM

**ADDITIONAL INSTRUCTIONS**

THESE INSTRUCTIONS ARE FOR THE USE ON CRYSTAL FIRES REMOTE CONTROL RANGE OF GAS FIRES



**OPERATION**

**LIGHTING PROCEDURE**

1. TURN KNOB A (FIGURE 1) SLIGHTLY LEFT TOWARDS THE IGNITION POSITION(SHOWN IN FIG 1 ABOVE) UNTIL REACHING STOP,PRESS DOWN AND HOLD FOR FIVE SECONDS (ONLY PILOT GAS FLOWS)
2. CONTINUE PRESSING DOWN KNOB A WHILE TURNING FURTHER LEFT TO ACTIVATE PIEZO,CONTINUE TO HOLD DOWN FOR 10 SECONDS AFTER PILOT HAS BEEN LIT,IF PILOT DOES NOT LIGHT,STEPS 1 AND 2 CAN BE REPEATED IMMEDIATELY.
3. UPON LIGHTING,RELEASE KNOB A AND TURN FURTHER LEFT TO ON POSITION (SHOWN IN FIGURE 1 ABOVE)PILOT GAS FLOWS AND MAIN BURNER FLOWS IN ACCORDANCE TO THE FLAME SETTING(KNOB B AS SHOWN IN FIG 1 ABOVE)

**ADJUSTING THE FLAME SETTINGS**

TO TURN THE FIRE ON AND/OR TO ADJUST THE FLAME STTING, PRESS THE ON BUTTONS ON THE REMOTE HANDSET.CONTINUE PRESSING UNTIL DESIRED FLAME SETTING IS OBTAINED.PRESS AND HOLD THE OFF BUTTON TO REVERSE THE SETTING.THE RECEIVER IS EQUIPPED WITH A BUILT IN DELAY, RECOGNIZABLE BY THE FLICKERING LIGHT,TO FACILITATE FINE ADJUSTMENT OF THE FLAME  
**THE MOTORIZED VALVE IS EQUIPPED WITH A SLIP CLUTCH ,ALLOWING MANUAL ADJUSTMENT OF MAIN GAS BY TURNING KNOB B**

ON BUTTONS  
TO PRESS THE ON BUTTON YOU MUST PRESS THE 2 BUTTONS TOGETHER

OFF BUTTON



## SHUT OFF PROCEDURE

- 1.TURN KNOB A RIGHT UNTIL REACHING STOP. IN THIS POSITION ONLY PILOT GAS FLOWS
- 2.TO SHUT OFF VALVE COMPLETELY,PRESS DOWN SLIGHTLY AND CONTINUE TURNING RIGHT FROM PILOT POSITION TO THE OFF POSITION.THE SAFETY INTERLOCK PREVENTS RE-IGNITION OF THE PILOT FLAME UNTIL THERMOCOUPLE HAS COOLED DOWN SUFFICIENTLY(ELAPSED TIME WILL VARY BASED ON THERMOCOUPLE TYPE)
- 3.SWITCHING OFF THE REMOTE IS NOT NECCESARY.



THE SENSOR AND BATTERY HOLDER A INSERTED BENEATH THE RIGHT SIDE OF THE FIRE.TO REPLACE BATTERIES ALLOW FIRE TO COOL FOR AT LEAST 30 MINUTES THEN PULL OUT BATTERY HOLDER, THE COVER CAN SLIDE OFF AS ABOVE AND THE BATTERIES CAN BE REPLACED.(USE ONLY LIKE FOR LIKE ALKALINE AA BATTERIES)

### REPLACEMENT PARTS

BATTERY HOLDER AND SENSOR

CRYSMERTIKHOLDER

GAS VALVE

CRYSMERTIKVALVE

REMOTE HANDSET

CRYSMERTIKHANDSET

### INSTALLATION INFORMATION

GAS SUPPLY: THE GAS CONNECTION CAN BE FROM EITHER THE LEFT OR RIGHT HAND SIDE OF THE FIRE.ENSURE THAT THE GAS PIPE DOES NOT PREVENT THE REMOVAL OF THE BATTERY HOLDER AND SENSOR OR ACCESS TO OPERATE THE GAS CONTROL KNOBS

### MODIFIED TECHNICAL DATA

#### INJECTOR SIZES

SUPER HEATRAVE/SLIMLINE/RUBY/LAGOON CAT 82/460

SAPPHIRE

CAT 82/420

JEWEL

CAT 82/500