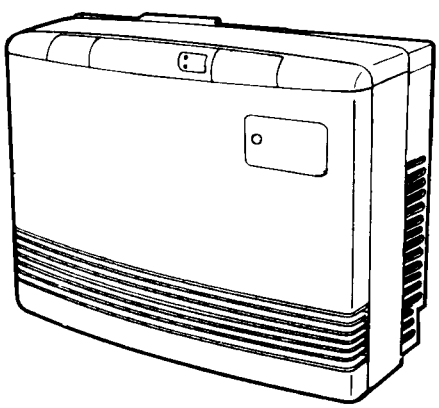
How to use your Space Heater

Energysaver RHFE-556FDT

Rinnai



OPTIONAL
Programmable fixed time period operation available. Ideal for school installations.
Refer page one.

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SERVICE CONTACTS

VIC (03) 9271 6699 SA (08) 8345 0292 QLD (07) 3209 4622
NSW/ACT (02) 9609 2600 WA (08) 9478 3345

FIXED TIME PERIOD OPERATION

The Energysaver RHFE-556FDT includes an option so that operation of the appliance automatically stops after a fixed time period.

It is possible to choose any one of seven time periods. The periods are: 1, 2, 3, 6, 8, 10 or 12 hours.

This option must be activated by a qualified person or trained Rinnai service person.

Fixed time period operation is ideally suited to classroom situations, clubs, meeting halls, and other areas where a limit is required on the length of time the appliance operates.

The feature can provide substantial energy savings in cases where users are likely to forget to turn the appliance off when they leave the room after meetings or lessons.

If a power failure occurs at any time during operation, the appliance will remain OFF once the power is re-instated. The ON/OFF button must be pressed to re-ignite the appliance.

Contact Rinnai on one of the telephone numbers listed on the back cover of this booklet for further advice.

RINNAI GUARANTEE OF QUALITY

As the purchaser of this high quality model RHFE-556FDT Rinnai product you are provided with the following guarantee:

	Free Labour	Free Parts
Heat Exchanger	1 Year	10 Years pro rata*
Fan	1 Year	2 Years
All other parts	1 Year	1 Year

*Full Heat Exchanger replacement (parts only) in the first year, thereafter reducing at 10% per year.

The benefits conferred by this guarantee are in addition to all other rights and remedies in respect of the product which you have under the Trade Practices Act and other State and Territory Laws. This guarantee does not cover cleaning and normal wear and tear, calls of this nature may be chargeable. Please check the fault finding charts on pages 12, 13, and 14, before asking for a service call. You may be able to overcome the problem without a service call, or the heater may be operating normally. Service calls to a heater which is operating normally may be chargeable, even when the heater is under guarantee.

The Installer is responsible for your heater's correct installation. There is no requirement to post the following information back to Rinnai. However we advise that you keep it in a safe place as your record.

Date of purchase:	Date of installation:
Retailers name:	Installers name:
Address:	Address:
Telephone:	Telephone:
	Licence number:

IMPORTANT

This appliance shall be installed in accordance with:

Manufacturer's Installation Instructions
Local Gas Fitting Regulations
Municipal Building Codes
A.G.A. Installation Code for Gas Burning Equipment
Any other relevant Statutory regulation
This appliance must only be installed, serviced and removed by an Authorised Person

This appliance must be installed correctly by an Authorised Person. The installation of gas, and electricity must conform to local regulations.

The installation must also conform with the instructions supplied by Rinnai. Your Energysaver has been approved by the Australian Gas Association.

A.G.A. Approval Number: 5209

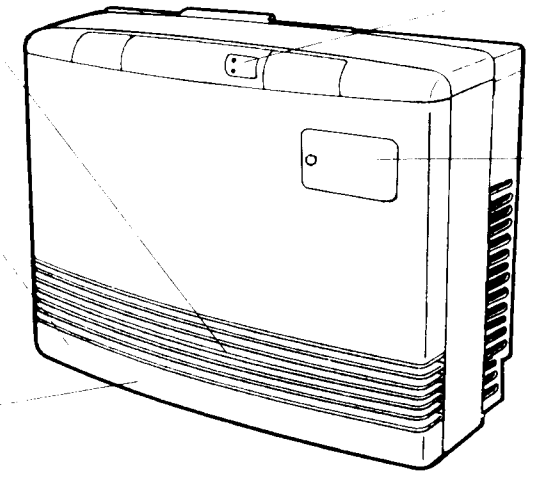
Please keep this instruction booklet in a safe place for future reference.
All dimensions referred to in these instructions are in millimetres, unless otherwise specified.

GETTING TO KNOW YOUR NEW RHFE-556FDT

LOUVRE
Warm air discharge duct.

HUMIDIFIER TRAY
Built into the warm air discharge duct. Humidifies the warm air flow.

BOTTOM TRIM
Pulls off to allow filling of humidifier tray.



INDICATOR DISPLAY
Power ON/combustion Filter

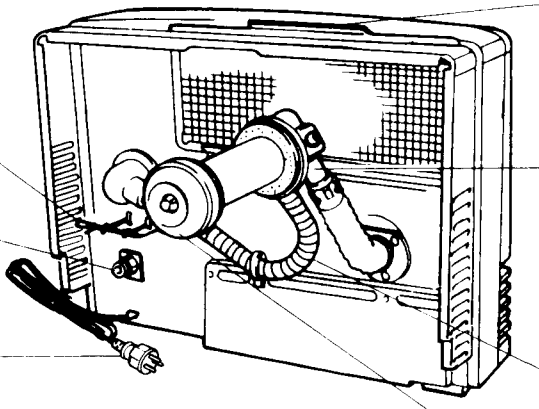
CONTROL PANEL
Concealed panel with ON OFF switch, room and pre-set temperature selection. Temperature and appliance error codes are shown here.

AIR FILTER
Helps to protect the interior of the appliance and fan from dust particles.

ROOM TEMPERATURE SENSOR

GAS CONNECTION

ELECTRICAL CORD



EXHAUST OUTLET
Exhausts flue products to the outside of the building.

AIR INLET TUBE
Carries air for combustion

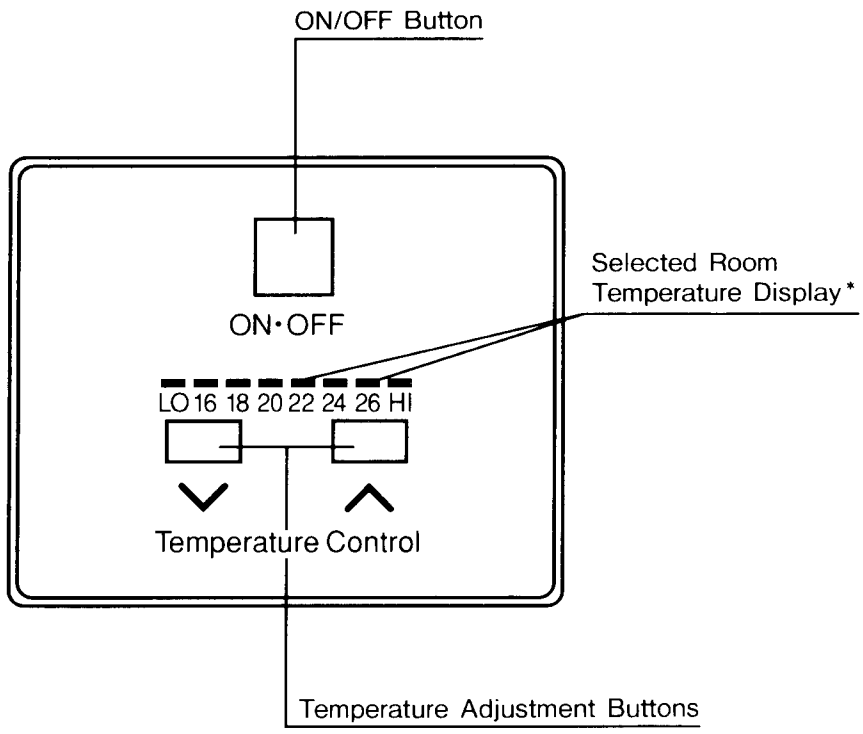
FLUE SYSTEM
(Supplied Separately)

The Australian Gas Association
Proudly a member of the AGA
All of our gas products are AGA tested and approved

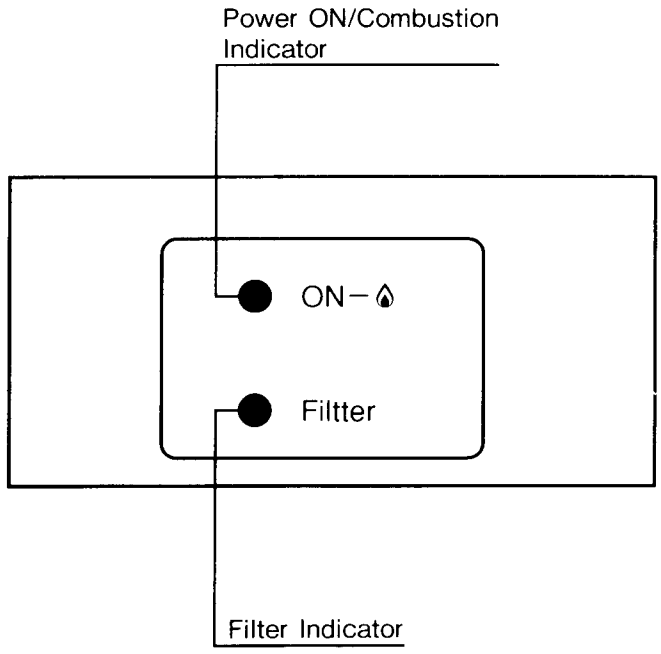
Quality System
Quality Endorsed Company
ISO 9002 Lic 4983
Standards Australia

Distributed and Serviced in Australia under a Quality System certified as complying with ISO 9002 by Standards Australia Quality Assurance Services

CONTROL PANEL LAYOUT



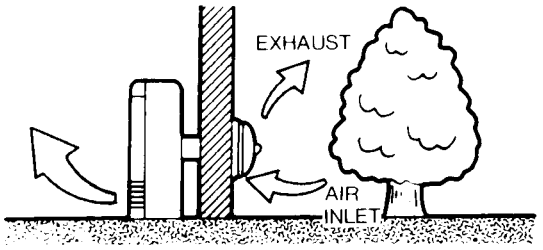
* Flashing LED is room temperature.
Steady LED is selected temperature.



FEATURES

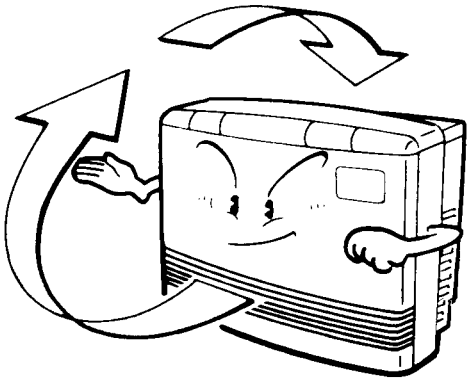
FORCED FLUE SYSTEM

Air for combustion is taken from outside the room and the flue products are exhausted outside, keeping the room air clean.



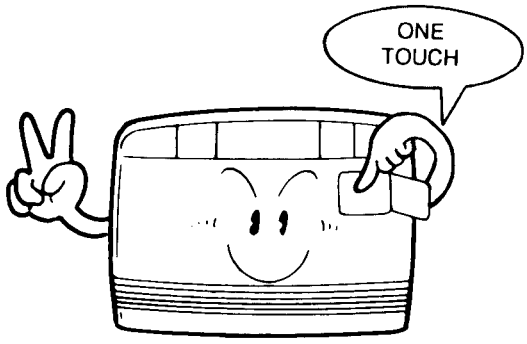
WARM AIR DISCHARGE

Warm air flows from the bottom of the appliance through the louvres, assisting in even heat distribution. An integral humidifier tray is built into the warm air discharge duct.



PUSH BUTTON IGNITION

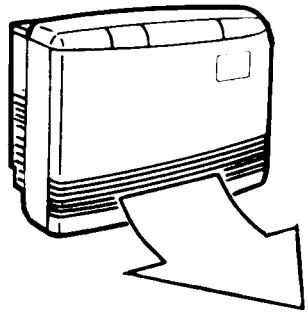
Only one touch of the ON/OFF switch is required to operate the heater.



(See page 9)

ROOM TEMPERATURE DISPLAY/ADJUSTMENT

The gas modulating control system controls the gas and hot air to keep the room at a comfortable temperature.
Pre-set room temperature and current room temperature are displayed by indicators.



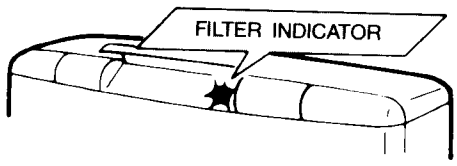
Error messages also displayed via the room temperature indicators.

(See page 10)

FEATURES

FILTER INDICATOR

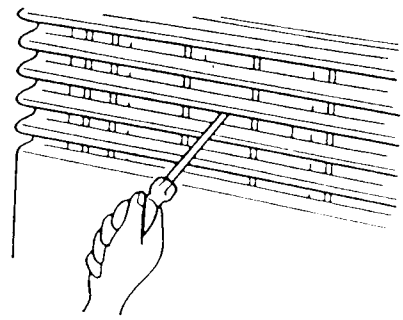
When the fan filter becomes covered with dust and the temperature inside the appliance rises, the filter indicator will flash. The filter should be vacuumed at regular intervals to avoid unnecessary strain on the appliance.



(See page 10)

VERTICAL LOUVRE ADJUSTMENT

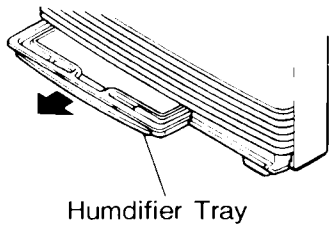
The louvre can be adjusted to alter the direction of the air flow by using a screw driving or similar tool by gently bending the vertical louvre(s) to the left or right.



(See page 11)

HUMIDIFIER TRAY

The integral humidifier tray can be filled with water as required to raise the humidity level in the room.



Humdifier Tray

(See page 11)

FIXED TIME OPERATION

This feature will automatically stop the appliance after a fixed time period.

It is possible to choose any one of seven time periods. The periods are: 1, 2, 3, 6, 8, 10 or 12 hours.

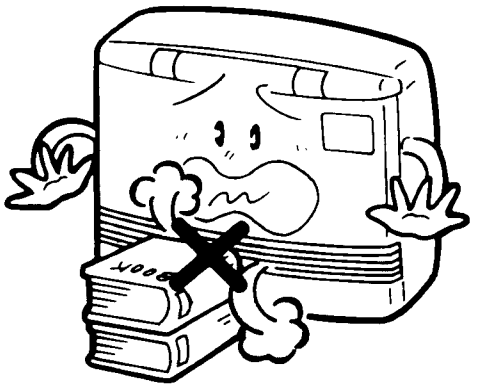
This feature can provide substantial energy savings in cases where users are likely to forget to turn the appliance off when they leave the room after meetings or lessons.

MEMORY

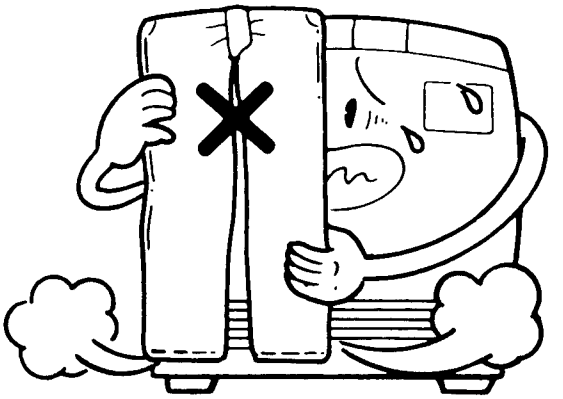
The micro-computer records selected pre-set temperature, to maintain comfort levels, so your preferred temperature always remains in place.

SAFETY POINTS

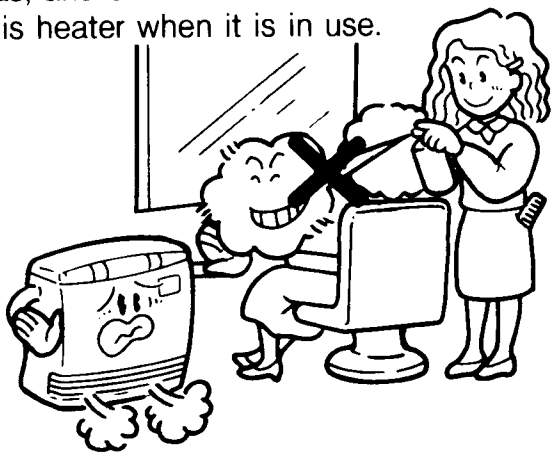
Do not restrict the warm air discharge by placing articles in front of the heater.



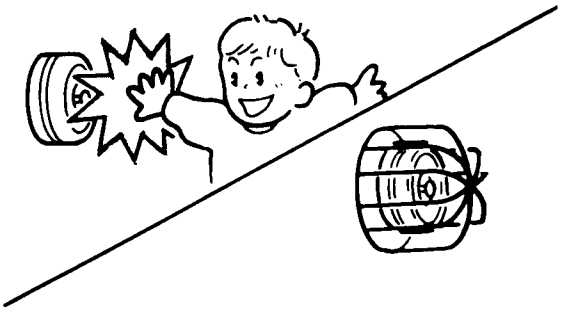
This appliance must not be used for any purpose other than heating.



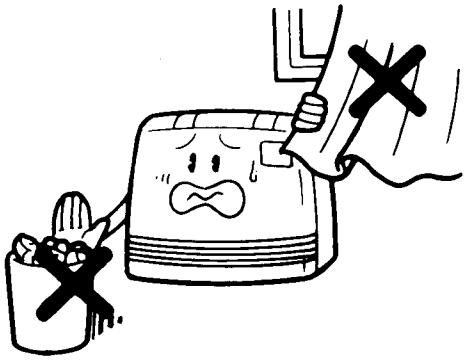
Do not spray aerosols whilst the heater is operating. Most aerosols contain butane gas, and can be a fire hazard if used near this heater when it is in use.



Flue guard is recommended where children may be able to touch the flue terminal.



Do not allow curtains or other flammable or combustible materials to come into contact with the heater.

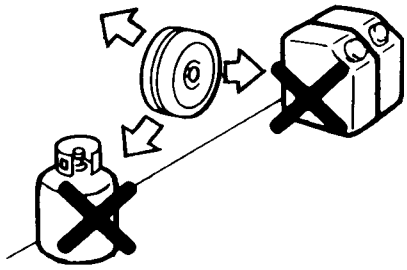


Combustible materials must not be placed where the heater could ignite them.

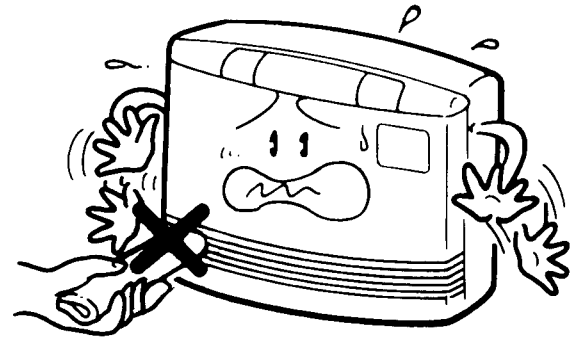
Do not allow anyone to sit on or lean against the appliance.

SAFETY POINTS

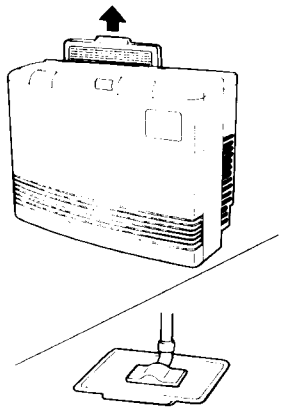
Keep flammable materials, trees, shrubs, etc, away from the flue terminal.



Do not allow anyone to post articles through the louvres.

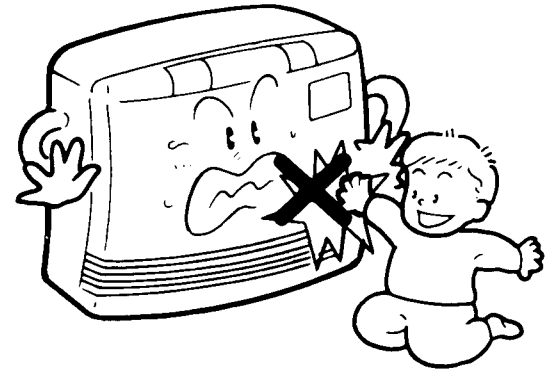


Filter should be cleaned at regular intervals. See Page 10.

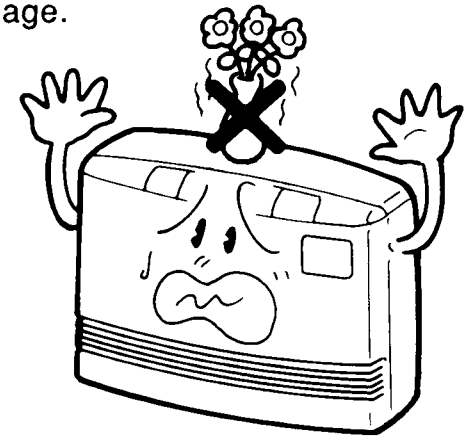


Clean with vacuum cleaner, weekly.

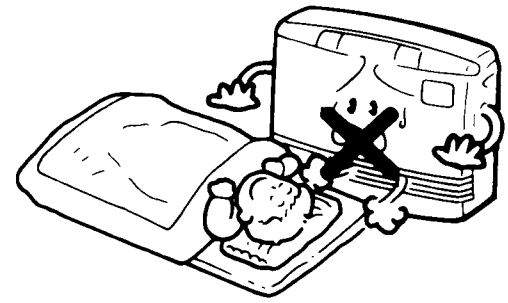
Young children should be supervised at all times. Hand or body contact with the louvres should be avoided.



Do not place articles containing liquids on top of the heater. Liquids spilt on the controls may cause extensive damage.



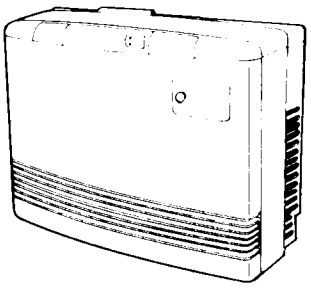
Do not allow young children or the infirm to sleep directly in front of the heater.



OPERATING YOUR NEW RHFE-556FDT

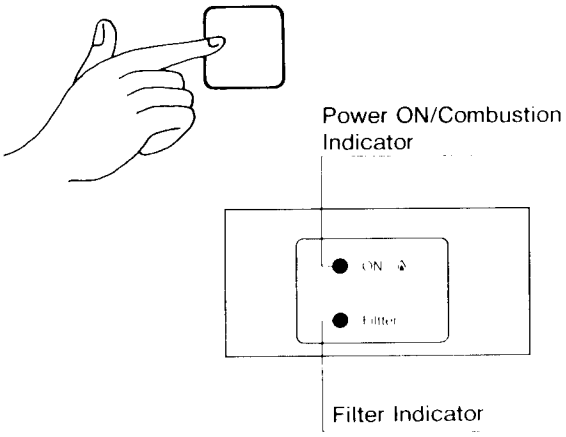
■ TO OPEN THE CONTROL PANEL

Using a finger, pull door lightly forward from the centre catch point on the left hand side of the control panel cover. The control panel cover will open forward to an angle.



■ TURNING ON

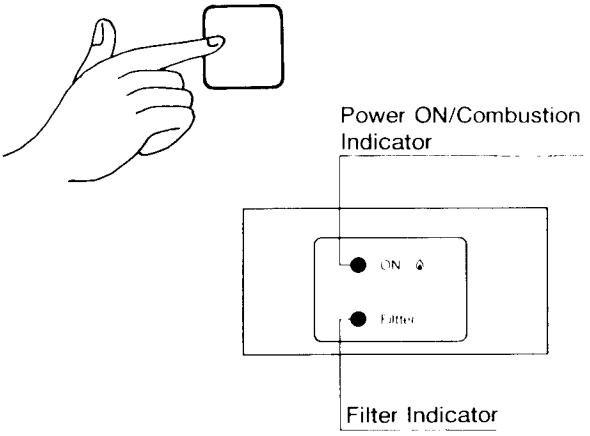
Press the ON/OFF button to operate the heater. The ON indicator will glow green. After approximately 20 seconds the spark generator will be heard before the burner ignites and the ON indicator glows red, indicating that the burner is alight. **Warm air can be felt coming from the louvres approximately 15 seconds later.**



If the heater does not ignite on initial use, this may be due to air remaining in the gas supply line, and the temperature display will flash. The spark generator will only continue for 15 seconds. After this it will be necessary to press the ON/OFF button, then ON again.

■ TURNING OFF

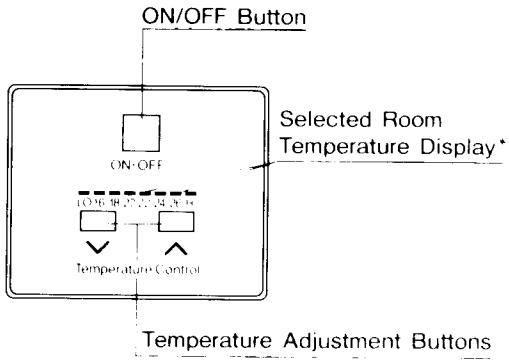
Simply press the ON/OFF button to switch off the heater. The ON indicator will go out. The convection fan will continue to operate for several minutes after the burner has gone out in order to cool the appliance. **Do not unplug the appliance while the convection fan is running.**



DO NOT turn heater off by unplugging at the power point.
The convection fan will continue to run until the appliance cools.

■ ROOM TEMPERATURE ADJUSTMENT

The room temperature and pre-set temperatures can only be displayed and adjusted when the heater is running.



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Press the "^" button to increase the temperature setting or "v" button to decrease the temperature setting.

The Temperatures can be preset to:

a) [L] low (about 10°C)
b) [16°C] to [26°C] in 2° C steps
c) [H] (continuously high)

* Flashing LED is room temperature.
Steady LED is selected temperature.

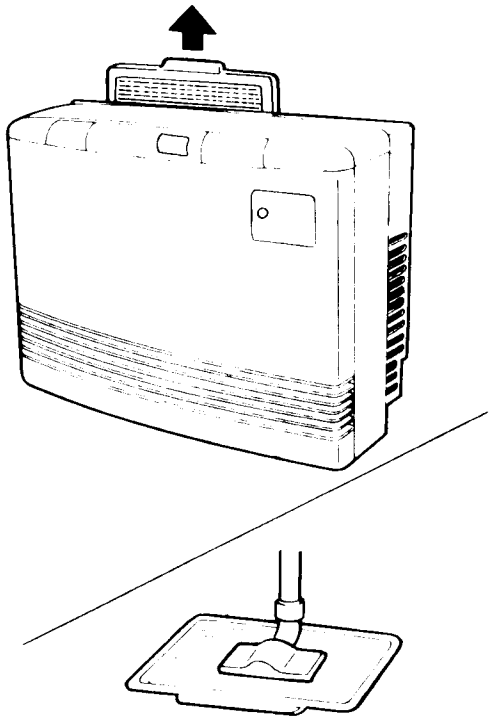
If the heater does not ignite then the pre-set temperature may not be set to a setting which is higher than the room temperature. The ON indicator will change colour from red to green when the heater reaches the pre-set temperature and stops running. The heater will operate at eight minute intervals to maintain warmth in a room.

■ FAN FILTER

To protect the room air fan from dust particles or lint, a filter is situated at the rear of the appliance. When this filter becomes blocked, the filter indicator will flash to indicate that it should be cleaned. Clean the filter weekly during the heating season to avoid unnecessary strain on the appliance.

Do not remove filter when appliance is operating. When the filter requires cleaning, clean filter before using the appliance, or whilst the appliance is not operating.

If you do not clean the filter at regular intervals and the filter indicator is allowed to remain flashing, then the appliance will stop and [20] will flash on the Digital Display signifying that the inbuilt safety device has functioned. You must clean the filter before operating the heater again.

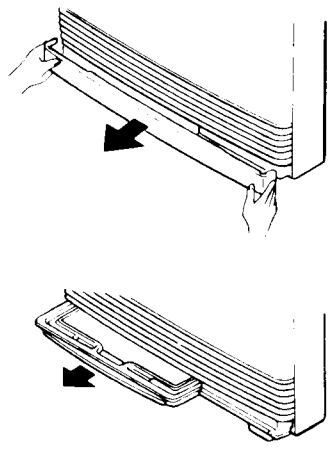


■ HUMIDIFIER TRAY

So that you can humidify the air, your Rinnai RHFE-556FDT is fitted with an enamelled tray at the bottom of the heater. If you choose to make use of the humidifier tray, it will need filling about once a day during the heating season. **Do not fill the humidifier tray while the heater is running.**

1 To fill the humidifier tray:

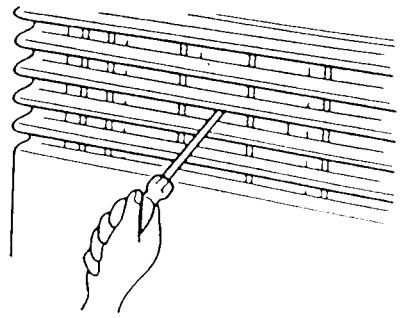
Remove the bottom trim panel, below the louvres, by pulling on both sides. Simply pull the tray forward to allow it to be filled with water. The warm air will be humidified as it passes over the water in the tray. Refit the bottom trim panel after filling the tray. The RHFE-556FDT is a very high efficiency appliance, during operation a small amount of condensation is produced in the flue system, this drains into the enamelled humidifier tray.



The humidifier has the benefit (when filled with water) of raising the humidity in the air. With increased humidity, the heater can actually be run at a lower temperature while still maintaining the same level of comfort.

■ VERTICAL LOUVRE ADJUSTMENT

The warm air flow direction may be altered by inserting a screwdriver or similar tool and gently bending the vertical louvre(s) either to the left or the right.
Note: these louvres are not designed to be adjusted more than 6 times.



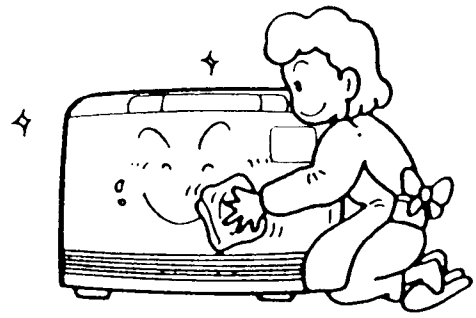
CARING FOR YOUR NEW RHFE-556FDT

This appliance is controlled by a micro computer. If there is something wrong with the appliance then it will stop, as it is protected by the following safety devices.

- Ignition Safety Device
- Burner Safety Device
- Overheat Safety Device
- Power Failure Safety Device
- Power Surge Safety Device
- Fan Delay Safety Device

Your RHFE-556FDT requires very little maintenance, simply clean the rear fan filter once a week and wipe the outer case and louvre section with a damp cloth.

DO NOT USE SOLVENTS.
Solvents may melt or distort plastic parts.



Problem / Cause	No ON indicator	Burner doesn't ignite	Unusual combustion	Combustion stops during operation	Smell of gas	Noisy Ignition	Takes too long to warm the room	Remedy
Not Plugged In	●	●						Plug In
Power Cut	●	●		●				Re-ignite manually after power is restored
(Initial Installation) Air in gas pipe		●						Purge air (Installer)
Gas Filter Blocked		●	●				●	Service Call
Miss Ignition	●	●						Service Call
Flue terminal obstructed			●	●		●		Clear obstruction
Flue manifold not connected						●		Service Call
Louvre obstructed				●			●	Clear obstruction
Air filter blocked				●			●	Clean filter (weekly)
Gas Escape					●			Service Call
Gas turned off at meter	●	●						Turn gas on

PRE-SERVICE CHECK

Before asking for a service call please check the following points.
These points are part of the normal operation of the unit.

■ At Ignition:

Heater does not operate.	→	Is the heater plugged in? Have the fuses or breaker blown at the switch board? Is there a power failure? Is the air filter blocked? Is anything blocking the outlet for the hot air? Is the flue blocked? Is the central timer turned off? (where fited)
Warm air does not flow when the burner lights.	→	The fan is started automatically after a short delay. This is to allow the heat exchanger to warm up, helping to avoid cold draughts.
Smoke or strange smells are produced on the first trial light up after installation.	→	This is caused by grease or oil and dust on the heat exchanger and will stop after a short time.
Sharp clicking noises at ignition, or when the unit cuts down on the thermostat, or goes out.	→	This is simply expansion noise from the heat exchanger.

■ During combustion:

Clunking noise when the thermostat operates.	→	This is the sound of the solenoid gas valves opening and closing.
Unit is not heating room.	→	Is the air filter blocked? Is the set temperature high enough? Is the warm air outlet blocked by anything? Are the doors and windows of the room closed?
Air filter is blocked or the louvres are blocked or obstructed.	→	Allow heater to cool, clean air filter, operate again.
Heater will not re-ignite after overheating.	→	Even after unit has cooled down the heater does not ignite again. Repair is necessary. Contact your local agent or Rinnai for a Service call.

■ When the unit is turned off:

Convection fan continues to run after turning OFF.	→	This is to remove the residual heat from the heat exchanger, the fan will stop when the heater cools down.

■ Other Points:

Steam is discharged from the flue terminal.	→	High efficiency appliances tend to discharge water vapour on cold days, this is normal.
Unit cuts off without apparent reason.	→	Check whether filters are blocked, dirty filters will cause the heater to overheat.
Power Failure.	→	Switch OFF, then ON again when power is restored to re-set controls.

ERROR MESSAGES

The Energysaver 556 has the ability to check its own operation continuously. If a fault occurs, an Error Message will flash on the control panel Display. This assists with diagnosing the fault, and may enable you to overcome a problem without a service call. Please quote the code displayed when enquiring about service.

Flashing LED	FAULT	REMEDY
16	Ignition failure	Check gas is turned ON. Service call if repeated.
LO	Flame failure	Check gas is turned ON. Service call if repeated.
20	Overheat	Clean filter Service call if repeated.
HI	Room overheat	Lower room temperature to less than 40°C.
22•24	Room Temperature Sensor faulty	Service call
24•26		
18•20•22	Overheat temperature Sensor faulty	Service call
20•22•24		
LO•16•18	Sparker failure	Service call
16•18•20	Combustion fan failure	Service call
18•20	Faulty ON/OFF switch	Service call
LO•16	Faulty solenoids	Service call
26	Faultly Flame Rod	Service call
22•24•26•HI	Communication Error	Turn heater OFF, then ON again.
LO~HI	Power failure	Turn heater OFF, then ON again.

In all cases, you may be able to clear the Error message simply by turning the heater OFF, then ON again. If the Error Message still remains or returns on the next operation, contact Rinnai or your nearest service agent and arrange for a service call.

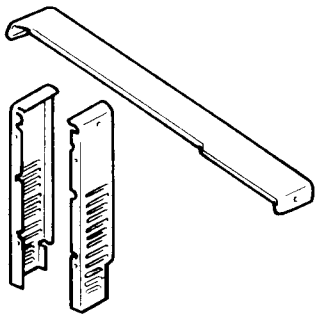
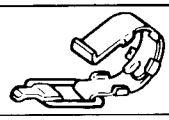
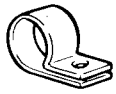
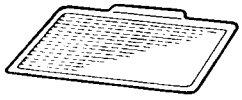
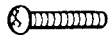
INSTALLATION INSTRUCTIONS

SPECIFICATION

Input: **23 MJ/h** Burner: Stainless Bunsen Type

Ignition: Continuous Spark Gas Inlet: R1/2 15 BSP Connection
Flue: Forced Flue (Components are supplied separately).
Gas Control: Rinnai Electronic Modulating Controls.
Electrical Supply: 240V, 50 Hz. This appliance is fitted with a supply lead and 3 pin plug. Replace only with Rinnai part number 90174772.

■ Remove parts from carton and check that all parts shown below are included in the installation kit.

Back Spacer Set		1	Flue Locking Clamp		1
			Flue Lock Stopper		1
			Insulation Clip		1
Wall Bracket		2	Hose Clip		2
Customers operating information and Installation Instructions		1	Plastic tie for air inlet		1
Air Filter		1	(M4 × 20)	 For Flue Lock Stopper	1
(M4)	 For Back Spacer Set	4	(M4)	 Flue Securing Screws	3
(M4)	 For Air Intake Clip	2	(M4.8 × 32) Wood Screws	 Wall Bracket Screws	2

Check the unit supplied is correct for the gas type in your area.
Refer to local gas authority for confirmation of gas type if in doubt.
Refer to data plate located inside the front panel.
Check for damage, if the unit is damaged contact your supplier or Rinnai.
Do not install a damaged unit before checking with your supplier.
Refer to an approved pipe sizing chart if in doubt about size of gas line.

15

LOCATION

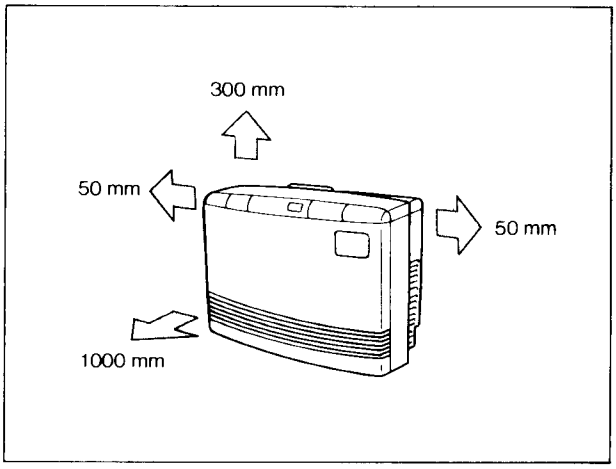
When positioning the heater the main points governing the location are:

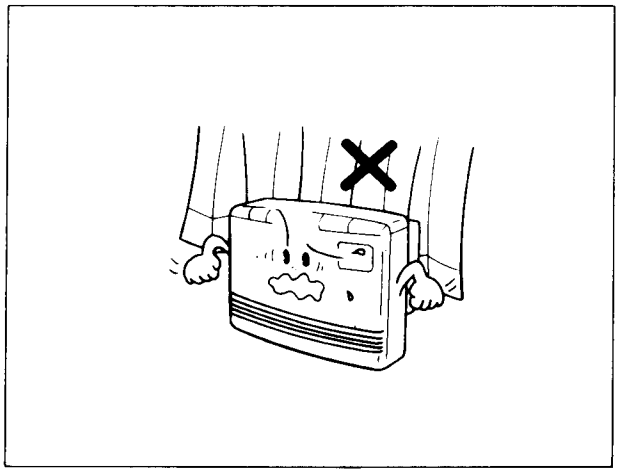
1. FIUEING

2. WARM AIR DISTRIBUTION

This heater must not be installed where curtains or other combustible materials could come into contact with it.
In some cases curtains may need restraining.

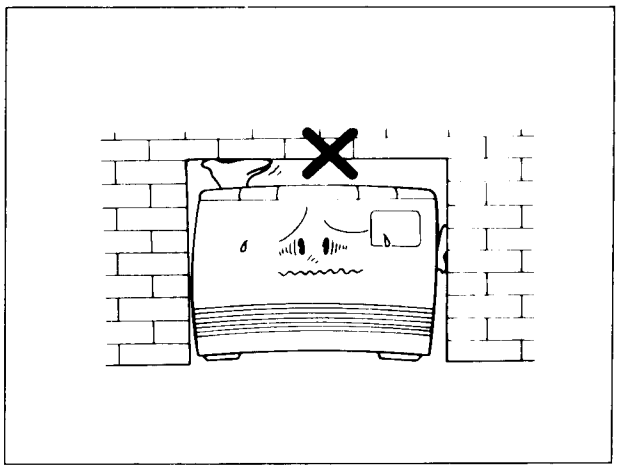
See diagram for other recommended clearances.



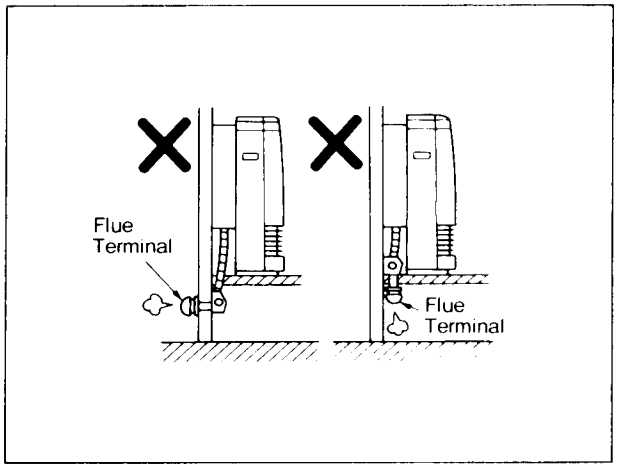


Flue fittings must be kept clear of flammable materials.

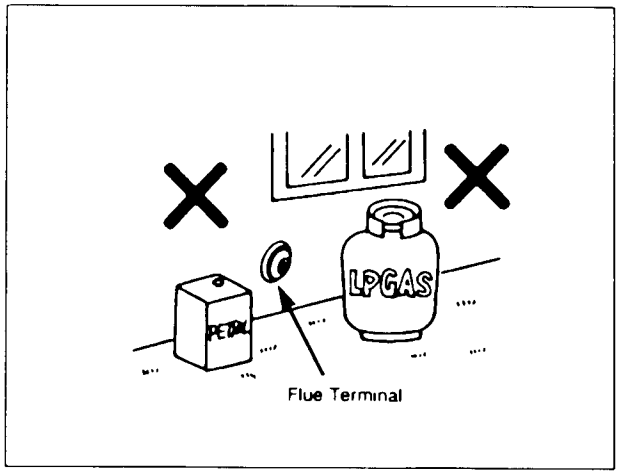
This heater is not designed to be built in.



The flue is not designed to be positioned under floors, or below the level of the heater.

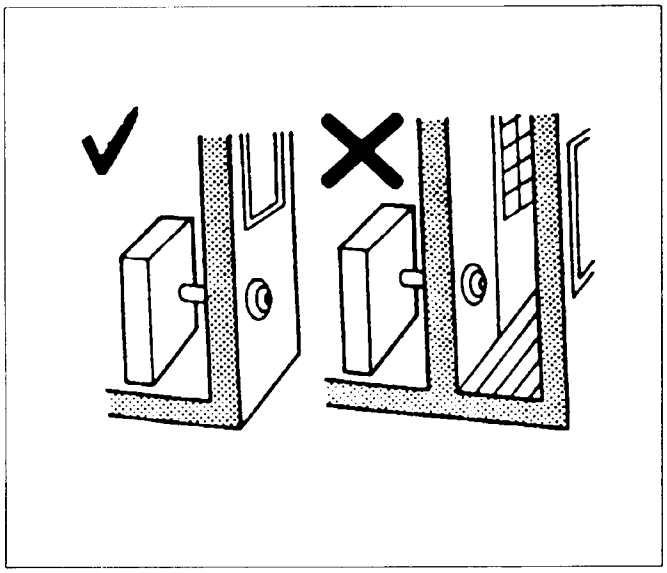


The flue terminal should be positioned away from flammable materials.



LOCATION

Do not flue into natural draught flues or fireplaces, this unit can only be used with one of the six types of Rinnai flue kits.
Do not flue unit into other rooms.
Flue terminal must be outside.



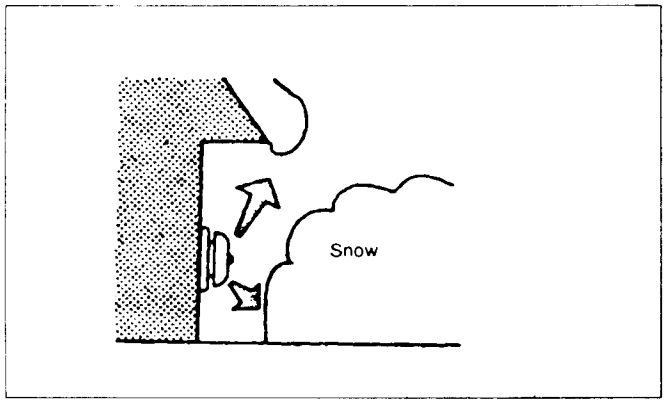
Flue may be positioned directly under opening windows, with a minimum clearance of 150 mm.

FLUE SIZES:

6 Flue lengths are available.

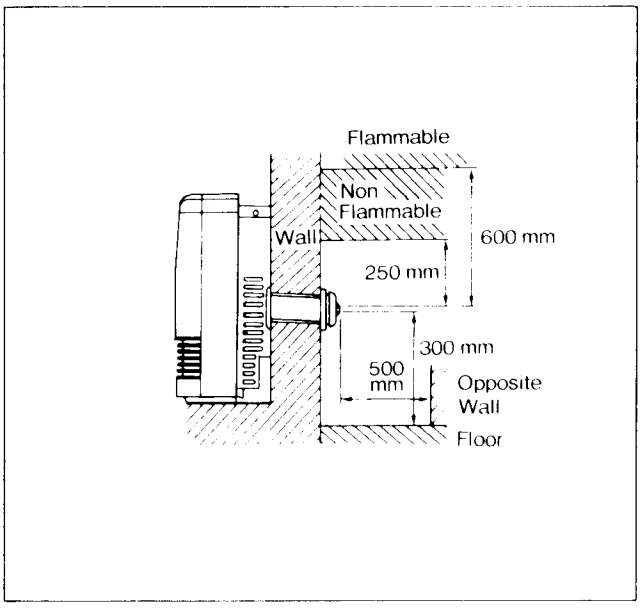
AA flue suits wall 75 - 115 mm
A flue suits wall 115 - 240 mm
B flue suits wall 240 - 400 mm
C flue suits wall 400 - 600 mm
D flue suits wall 600 - 800 mm
E flue suits wall 800 - 1000 mm
Co-ax flue also available.

SNOW AREAS

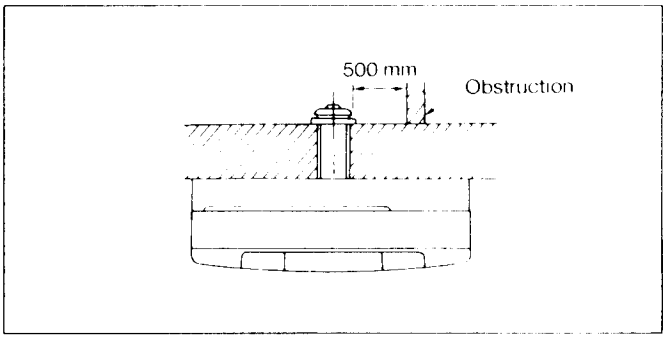


In areas subject to heavy snowfall, keep snow clear of flue terminal at all times.

STANDARD INSTALLATION OF FLUE MANIFOLD.
Diagram below shows minimum clearances and distances from obstructions. Also check local regulations.

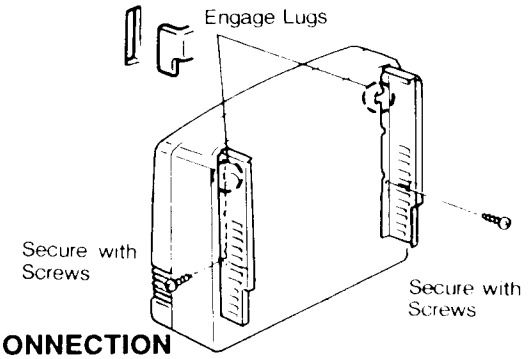


Side Clearances



FIT BACK COVERS (SIDES ONLY)

Fit back covers (sides only) as shown below.

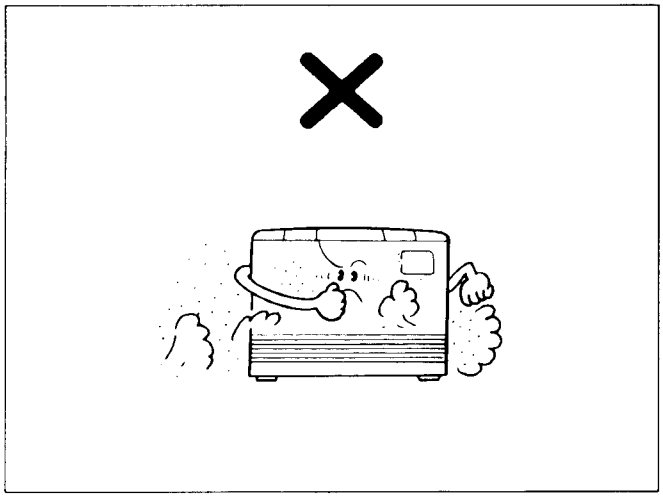


GAS CONNECTION

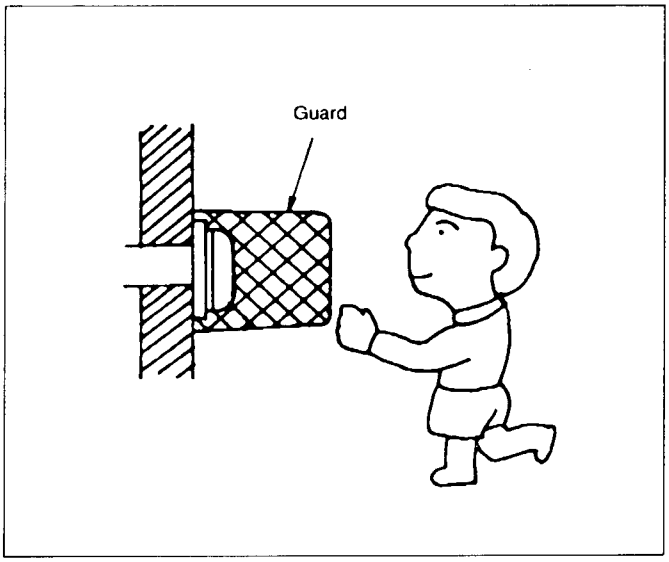
Fit suitable copper flare elbow to appliance inlet.

LOCATION

Do not install the heater in an unusually dusty area.



Use a flue guard if the terminal is easily accessible to children.
Check local regulations.
Guards are available as an optional extra.

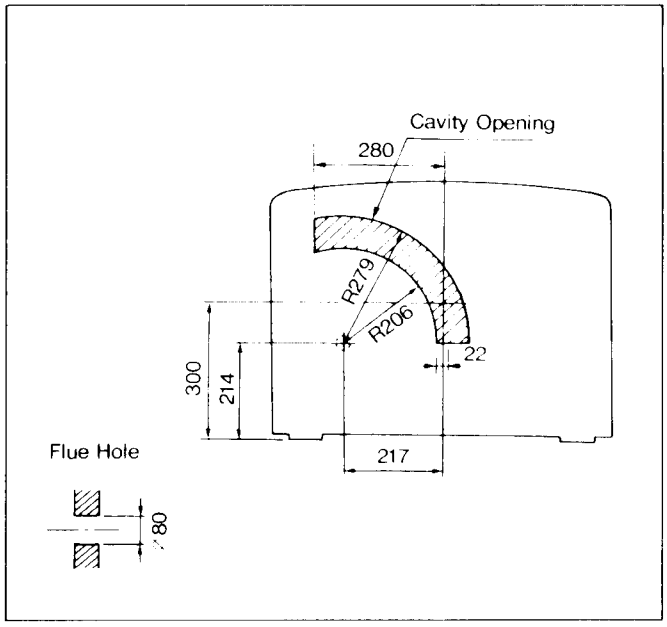


Floor must be level.
Do not use electrical extension cords to connect unit to power supply.
Keep the power cord away from the flue.

FLUE MANIFOLD POSITION.

Centre of hole for flue manifold can be drilled anywhere within the shaded area. (To avoid studs etc.)

FOR WEATHERBOARD WALLS DRILL THROUGH CENTRE OF WEATHER BOARD FROM OUTSIDE, THEN DRILL FROM INSIDE THROUGH PLASTERBOARD.



Before drilling the flue hole, check for water and gas pipes as well as electric cables.

Use an 80 mm (8 cm) drill for hole through wall.

WALL MOUNTING BRACKETS

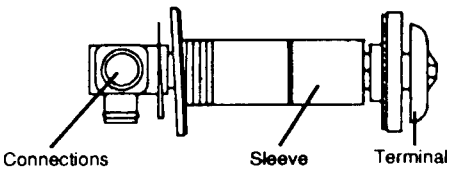
Place top back spacer in position. Mark the position of the top edge of the top spacer on the wall. Move the heater away from the wall. Mark centre lines 30 mm down from the top edge mark, and 40 mm in front the left and right hand sides of the top spacer. Attach wall brackets at the marked position. Remove right hand back cover.

SLEEVE AND MANIFOLD INSTALLATION

METHOD FOR STANDARD WALLS

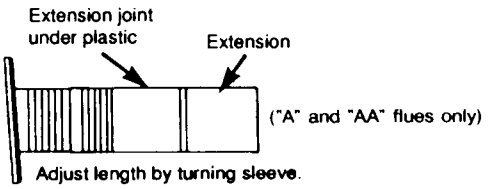
1. Dis-assemble Manifold from Sleeve.

   The flue consists of 3 parts, sleeve, inside connectors and tube, outside terminal; (dis-assemble by pulling hard on outside terminal and inner connections, then pull sleeve off outer terminal).



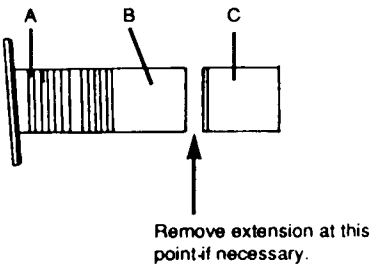
2. Adjustment of Sleeve Length.

   Measure wall thickness through previously drilled 80 mm hole.
   End of sleeve should protrude 5-10 mm from outside wall. Adjust sleeve length to wall thickness plus 5 -10 mm. (Sleeve is threaded for adjustment).



3. For A and AA flues only

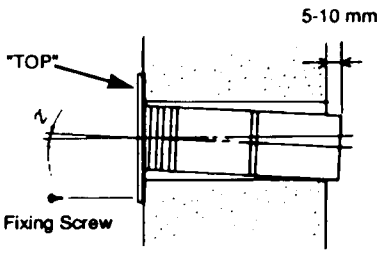
   Depending on flue set and wall thickness extension piece "C" may need to be removed.
   Cut plastic, remove extension, then follow instruction 2.
   This applies to "A" and "AA" flues only.
   There is no extension on other flues, they can be fully adjusted by turning the threaded section.



4. Fixing Sleeve.

   Fix to the wall, using the 3 screws provided.

   NOTE:
   The flange is marked "TOP", sleeve must be fitted with this mark UP.
   Check sleeve protrudes 5-10 mm on the outside.



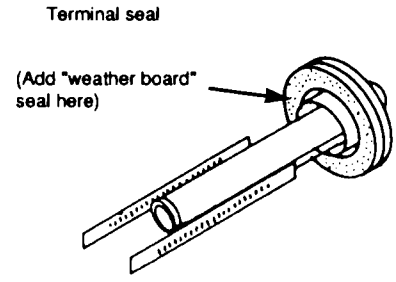
Don't remove green plastic covering from sleeve.

SLEEVE AND MANIFOLD INSTALLATION

METHOD FOR STANDARD WALLS

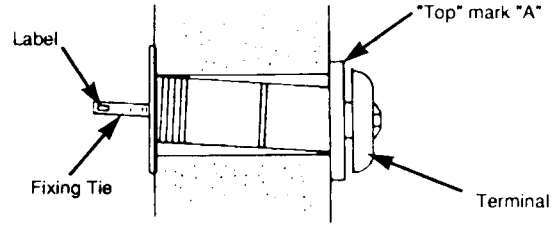
5. Check rubber seal is in place on terminal.

   * For weather board walls, add spare rubber seal provided to compensate for weatherboard angle.



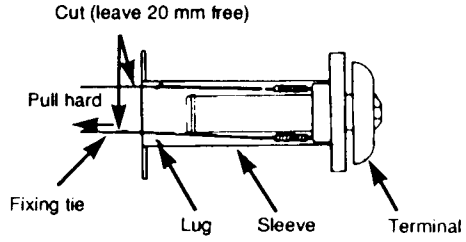
6. Installation of Terminal

   From outside, insert terminal into sleeve with the "A" mark at the top. Left hand side fixing tie is marked "LEFT" (from inside).

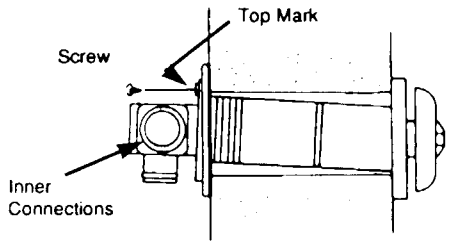


7. Attaching Ties

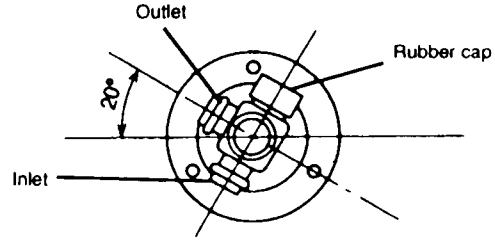
   Pull hard on left and right hand side ties, clip ties over lugs inside sleeve. You should be able to pull ties 2 or 3 slots past the starting point. Cut the ties, leaving about 20 mm past the lugs. Bend ties so they are parallel with the wall.



8. Insert Inner Connection Assembly. Push assembly into the terminal tube, make sure "TOP" mark is uppermost. Fix with 3 screws provided.

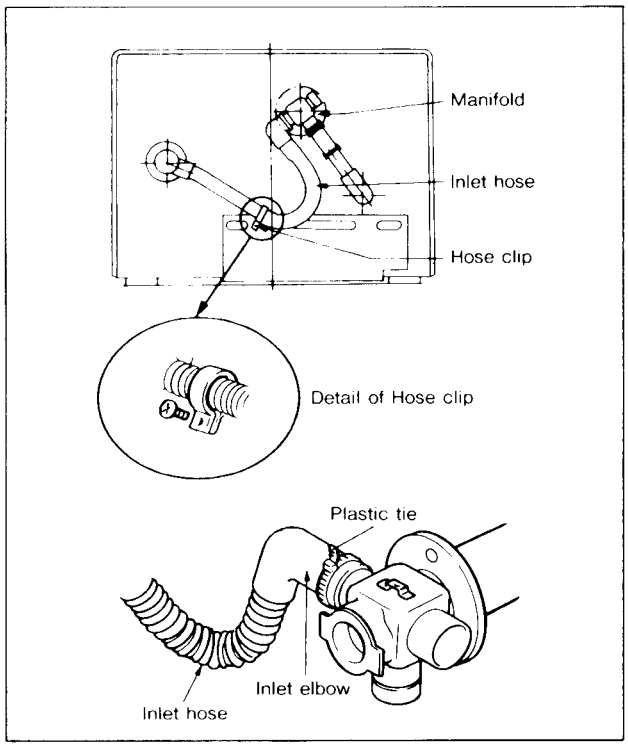


9. Manifold can still be turned after attaching.



FITTING UNIT

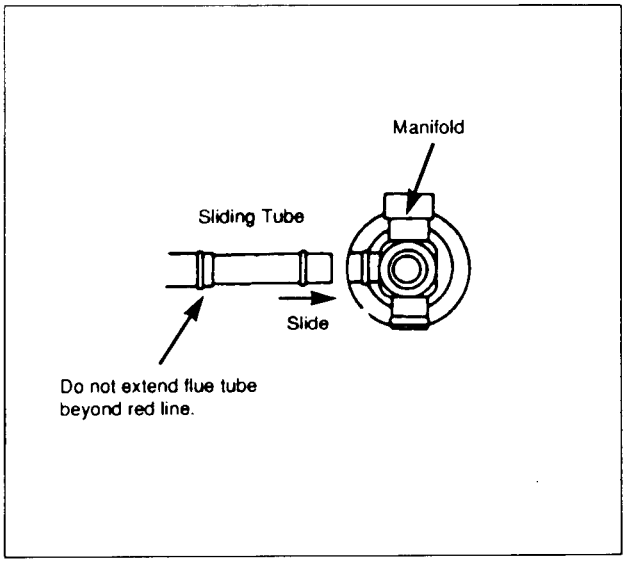
AIR INLET HOSE



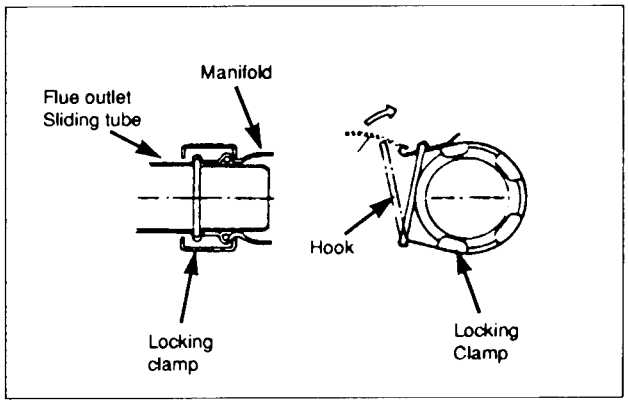
LOCKING CLAMP SCREW CLAMP AND INSULATION.

The following components can be fitted by reaching down the rear of the appliance as it is positioned against the wall.

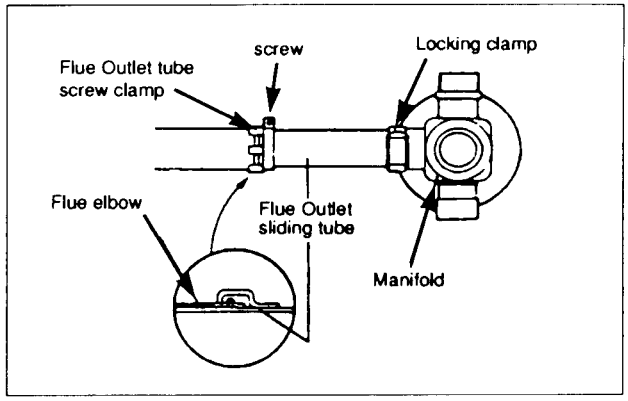
1. Connect the flue outlet to the manifold by extending the stainless steel sliding tube until it is fully inserted into the manifold.



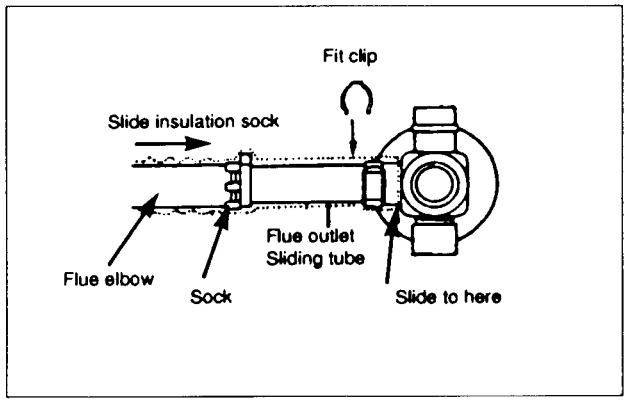
2. Fit the locking clamp over connection between sliding tube and manifold. Engage the hook and rotate it until it snaps against the body of the clamp.



3. Fit the screw clamp between the sliding tube and the flue elbow. Secure with the 4 mm screw supplied. The flue outlet is now locked into position.

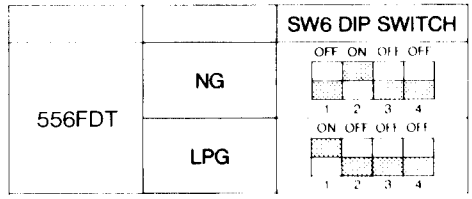


4. Slide the insulation sleeve up to the flue manifold, slip the securing clip over the sleeve as shown.



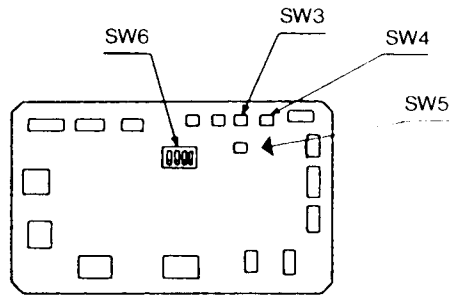
TESTING

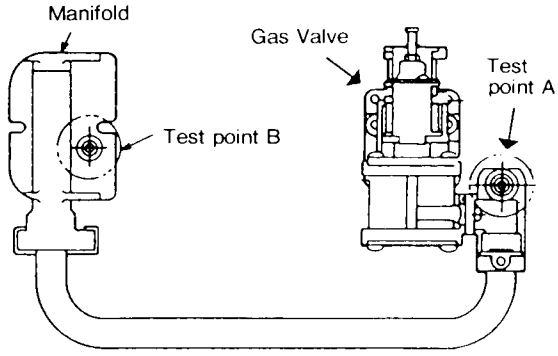
Purge air and swarf from gas line. Connect gas. Connection can easily be reached from the right hand side rear of the appliance.
Remove bottom trim (pulls off). Remove louvres (6 screws) and front panel.



PRESSURE CHECKING PROCEDURE:
Caution - 240 V inside appliance.

1. Check that SW6 (Dip switches) are correct for the gas type for which the appliance is to be used. (Refer to diagram opposite).
2. There are two test points, one on the heat exchanger, one on the gas manifold. Connect a pressure gauge between both test points. (Connect one side of the gauge to one point, the other side of the gauge to the other). If you are using an electronic manometer, connect the — side to the heat exchanger test point.
3. Press the ON/OFF button to operate the appliance.
4. With the appliance operating, press SW5 once.
5. Press SW4 to operate the appliance on forced low.
6. Check the pressure against the low pressure shown on the data plate. (Left hand side panel)
7. Press SW4 again.
8. Press SW3 to operate the appliance on forced high.
9. Check the pressure against the high pressure shown on the data plate.
10. Press SW3 again.
11. Press SW5 again to return the heater to normal operation.
12. Turn the heater OFF, remove the pressure gauge, and replace the test point screws.
13. Reassemble appliance and check appliance operation.

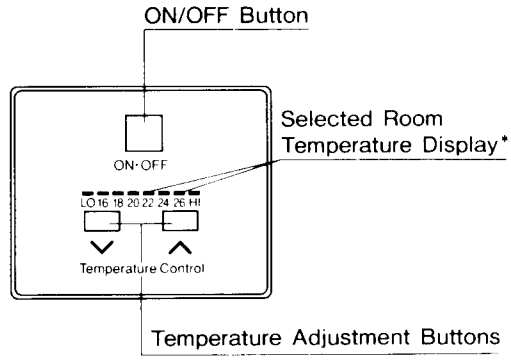




THE REGULATOR HAS BEEN FACTORY PRE-SET. IF THE PRESSURE IS INCORRECT, CHECK THE SUPPLY PRESSURE FIRST, BEFORE MAKING ANY ADJUSTMENT TO THE APPLIANCE.

IF THE PRESSURE NEEDS RE-SETTING FOLLOW THE INSTRUCTIONS BELOW:

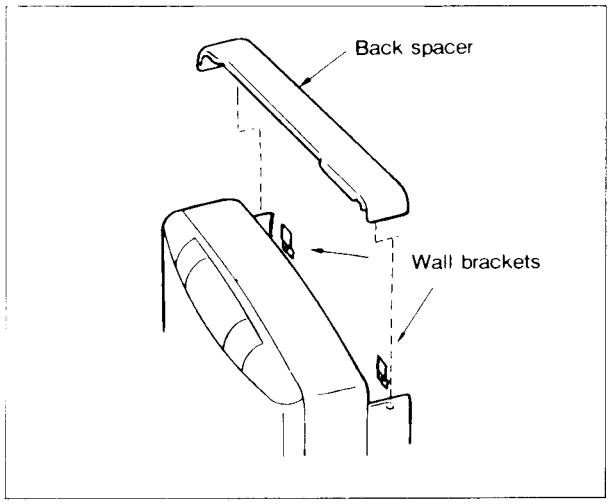
1. Follow checking procedure 1-6, reset the low pressure by using the "^" or "v" buttons on the control panel.
2. Press SW4 again to lock in the selected setting.
3. Follow checking procedure 8 and 9, reset the high pressure by using the "^" or "v" buttons on the control panel.
4. Press SW3 again to lock in the selected setting.
5. Press SW5 to return the heater to normal operation.
6. Turn the heater OFF, remove the pressure gauge, and replace the test point screws.
7. Reassemble appliance and check appliance operation.



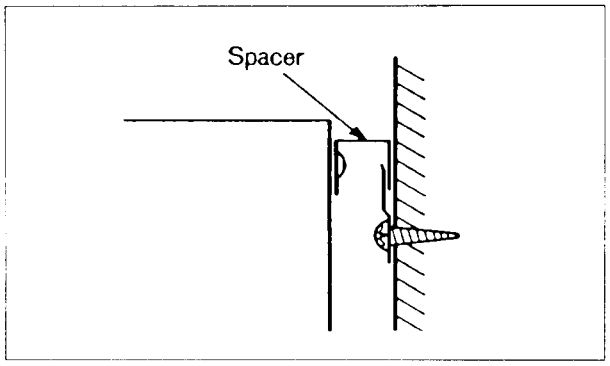
* Flashing LED is room temperature.
Steady LED is selected temperature.

FITTING TOP SPACER + WALL CLIP

■ SECURE HEATER TO WALL

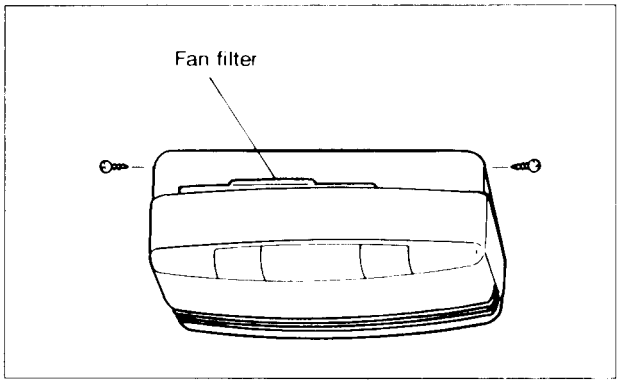


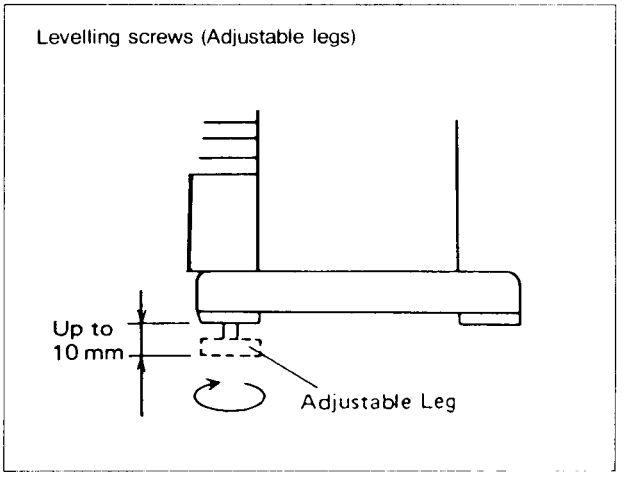
Replace top and right hand spacers, clipping the top spacer into the wall brackets at the same time as attaching it to the heater.
Secure top spacer with the screws provided. THE HEATER IS NOW SECURED TO THE WALL.



OPTIONAL FLOOR BRACKETS ARE AVAILABLE FOR COMMERCIAL INSTALLATIONS.

Tighten all screws, fit fan filter.





If necessary, the unit can be levelled using the adjustable legs under the front right and left hand side legs.

■ INSTRUCT CUSTOMER ON USE OF HEATER

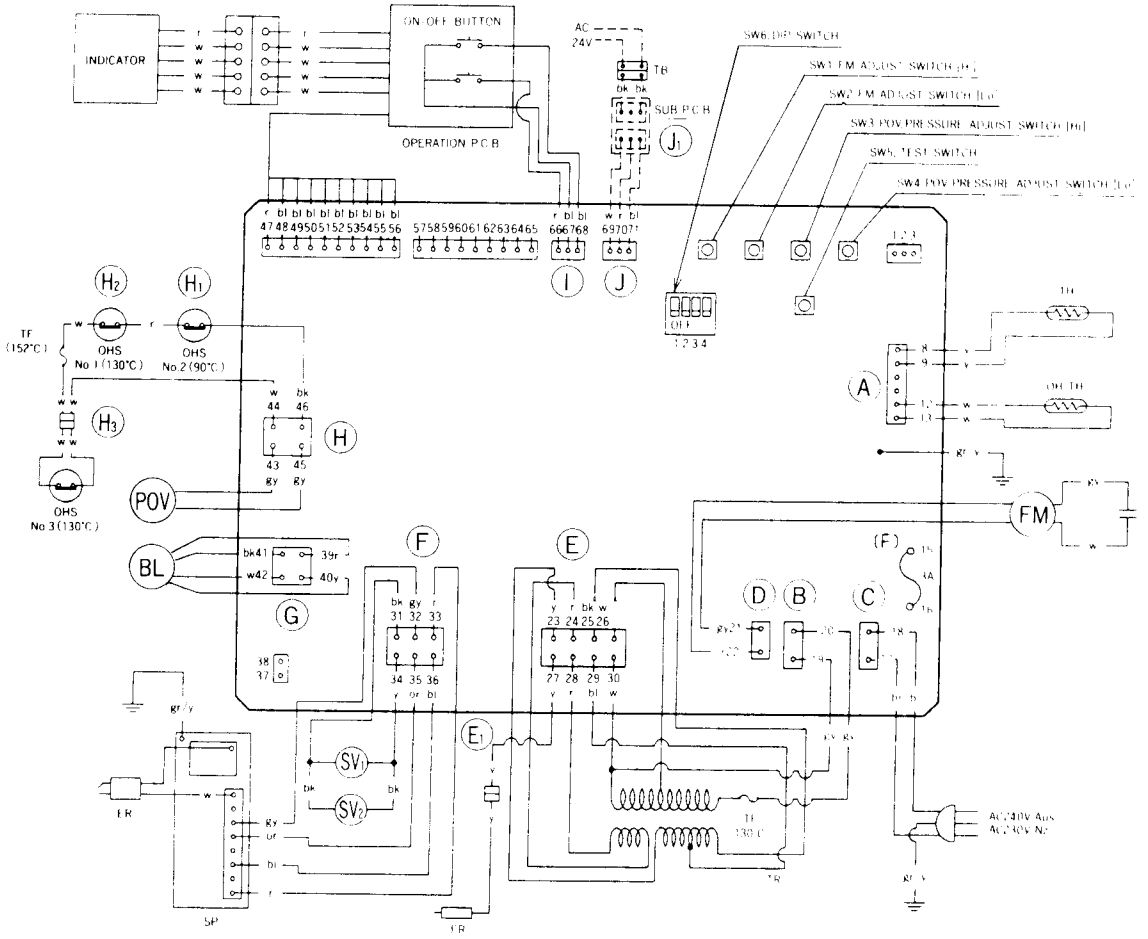
When you are satisfied that the appliance is operating correctly, explain operation of heater to the customer.

Fault-Failure Procedure

If unable to get the heater to operate correctly, contact Rinnai directly or your Agent or Gas Utility.

WIRING DIAGRAM

WIRING DIAGRAM

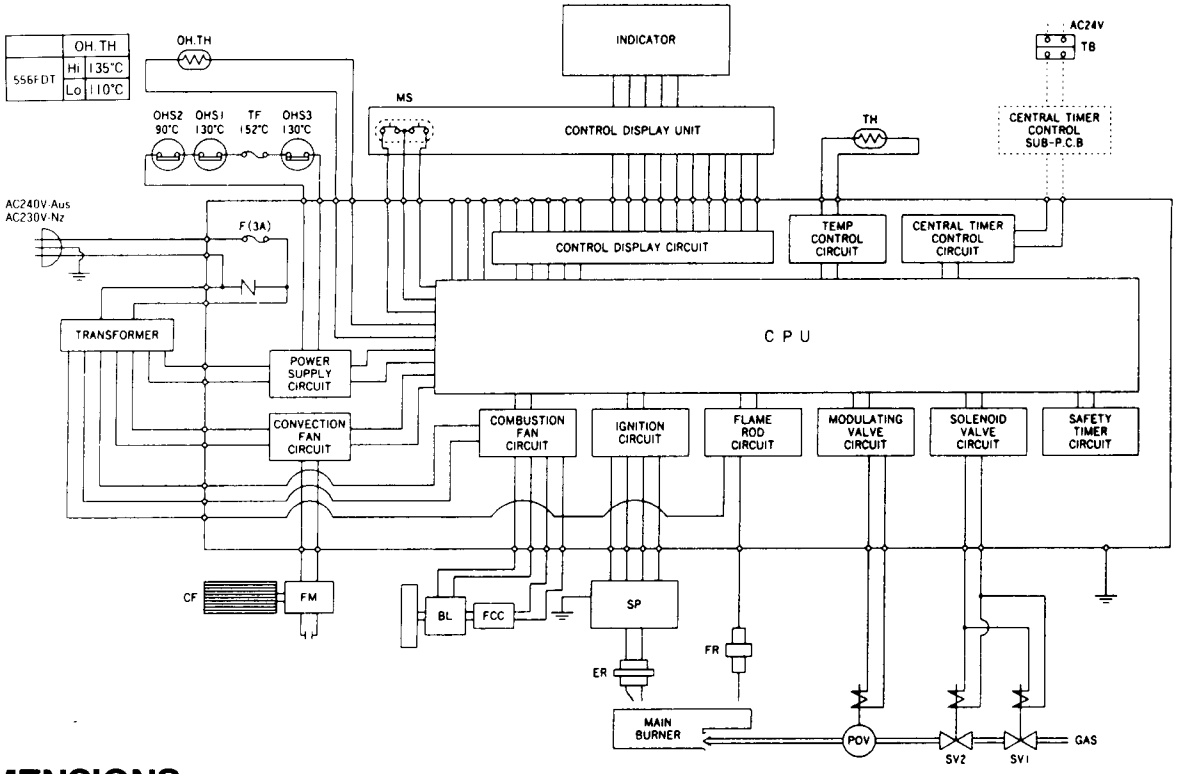


MARK	PART NAME
MS	MAIN SWITCH
TH	THERMISTOR
TF	THERMAL FUSE
F	FUSE
CF	CONVECTION FAN
FCC	FAN CONTROL CIRCUIT
ER	ELECTRODE
TR	TRANSFORMER
RCR	REMOTE CONTROL RECEIVER
TB	TERMINAL BLOCK
OH TH	OVER HEAT THERMISTOR
OHS1~3	OVER HEAT SWITCH 1~3
FM	FAN MOTOR
BL	COMBUSTION FAN MOTOR
SP	SPARKER
FR	FLAME ROD
SV1~2	MAIN SOLENOID VALVE 1~2
CPU	CENTRAL PROCESSING UNIT

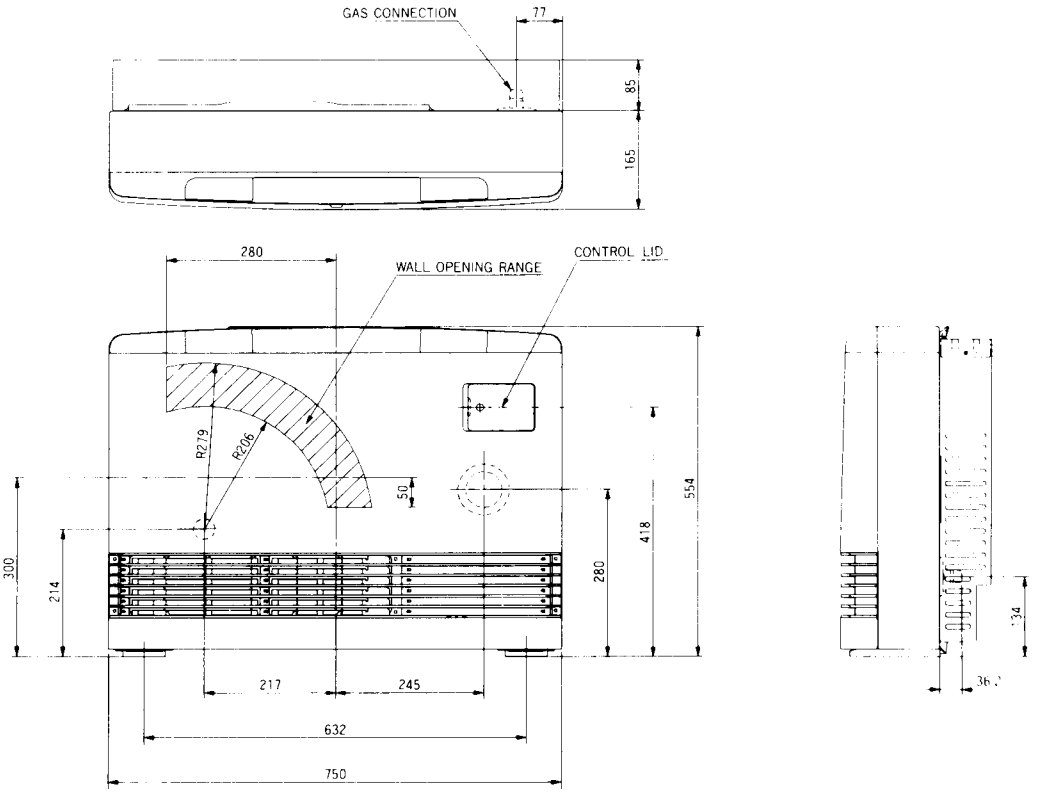
CODE	COLOUR
pl	purple
y	yellow
w	white
gr/y	green/yellow
gy	grey
bl	blue
r	red
bk	black
or	orange
br	brown
gr	green

BLOCK DIAGRAM and DIMENSIONS

BLOCK DIAGRAM



DIMENSIONS



SERVICE CONTACT POINTS

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Tel: (02) 9609 2111. Fax: (02) 9609 5260.
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SERVICE

RINNAI AUSTRALIA HAS A SERVICE AND SPARE PARTS NETWORK IN ALL STATES. OUR SERVICE NETWORK PERSONNEL ARE FULLY TRAINED AND EQUIPPED TO GIVE THE BEST SERVICE ON YOUR RINNAI APPLIANCE. IF YOUR APPLIANCE NEEDS SERVICE, PLEASE RING ONE OF THE SERVICE CONTACT NUMBERS ON THE BACK OF THIS BOOKLET.
RINNAI RECOMMEND THAT THIS APPLIANCE BE SERVICED EVERY 2 YEARS.

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