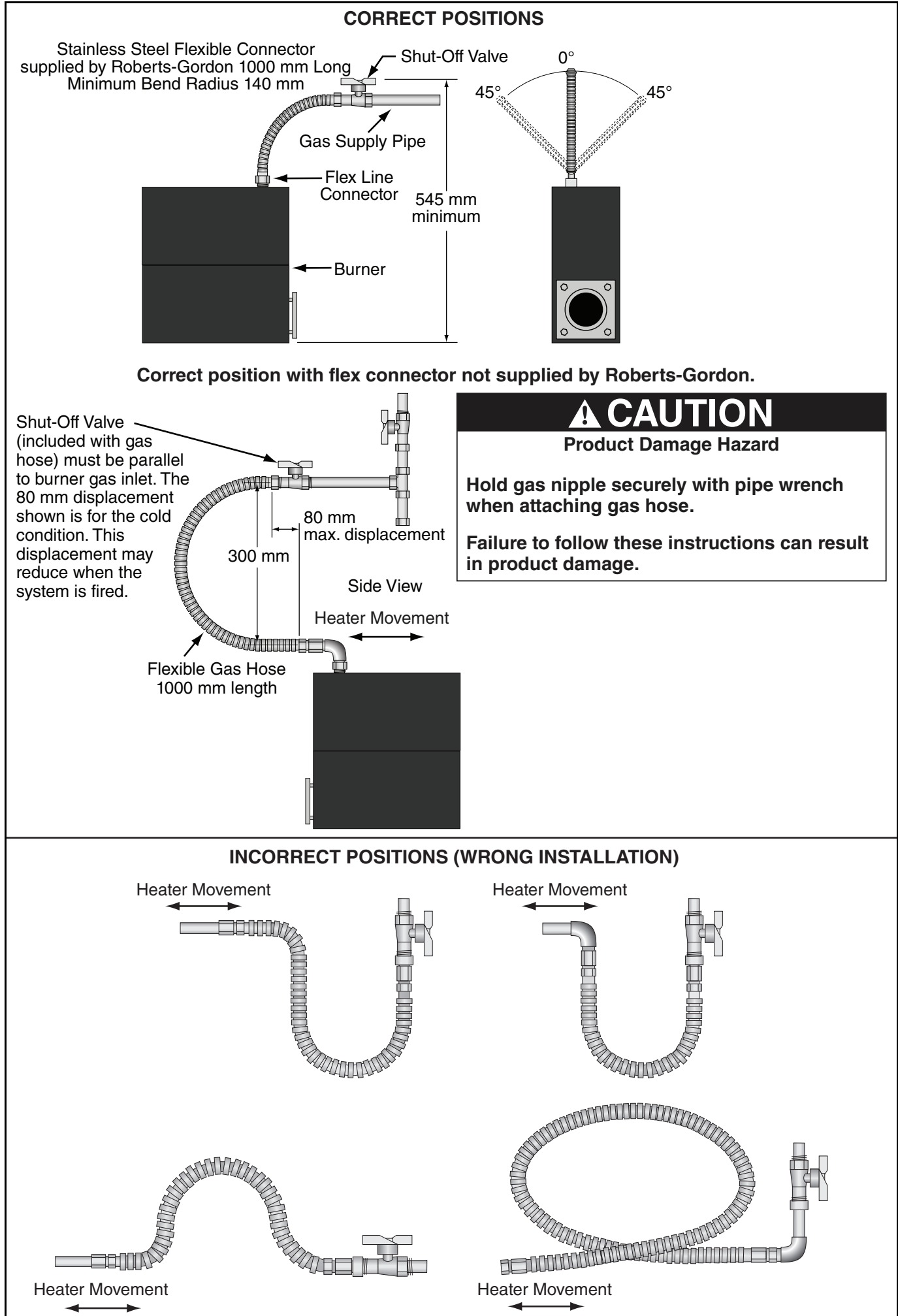
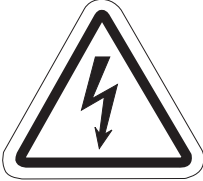


Figure 34: Gas Connection with Stainless Steel Flex Connector



SECTION 13: WIRING

⚠ DANGER



Electrical Shock Hazard

Disconnect electric before service.

Heater must be properly grounded.

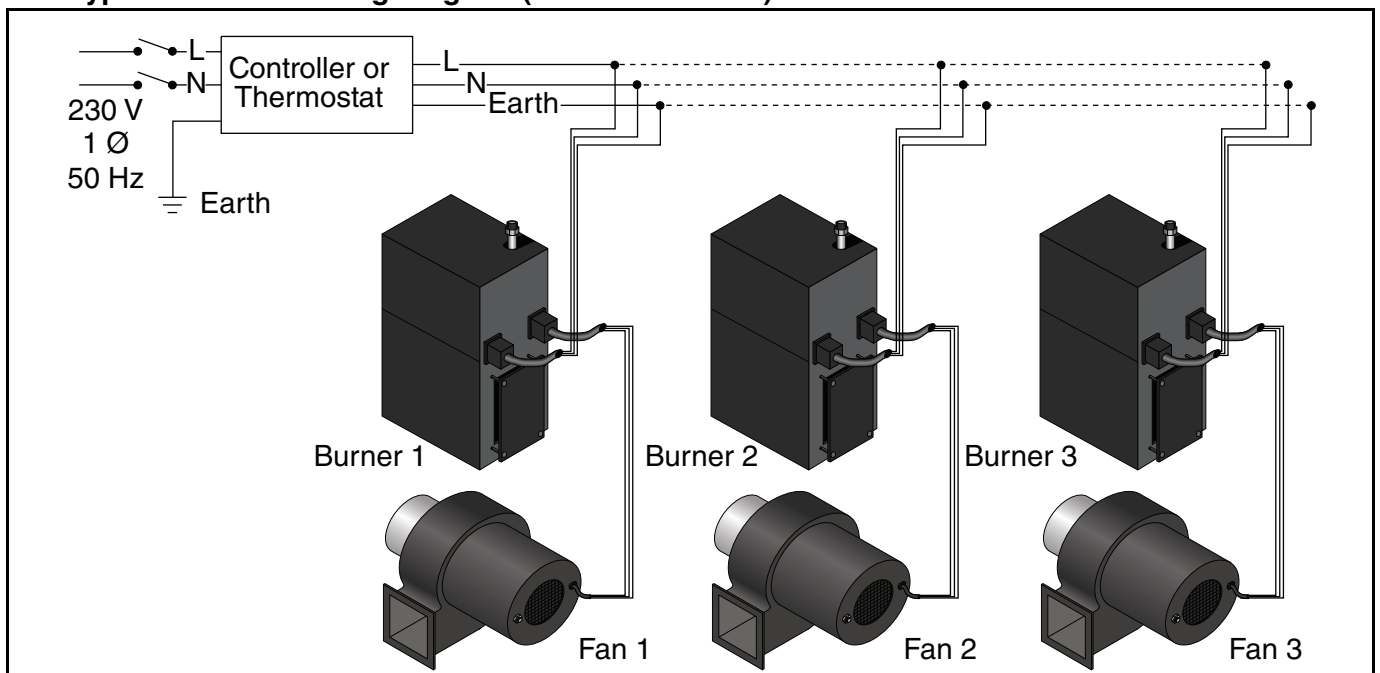
Failure to follow these instructions can result in death or electrical shock.

Connect to the electrical supply using a 3 pin plug via a locally mounted double pole fused switch having a minimum disconnection of 3 mm on each pole. This switch should be fused to 3 amps. The burner is fused at 2 amps. There are no control connections in the standard burner. Control is affected by interruption of the main power inlet. See Page 55, Section 13.1 through Page 56,

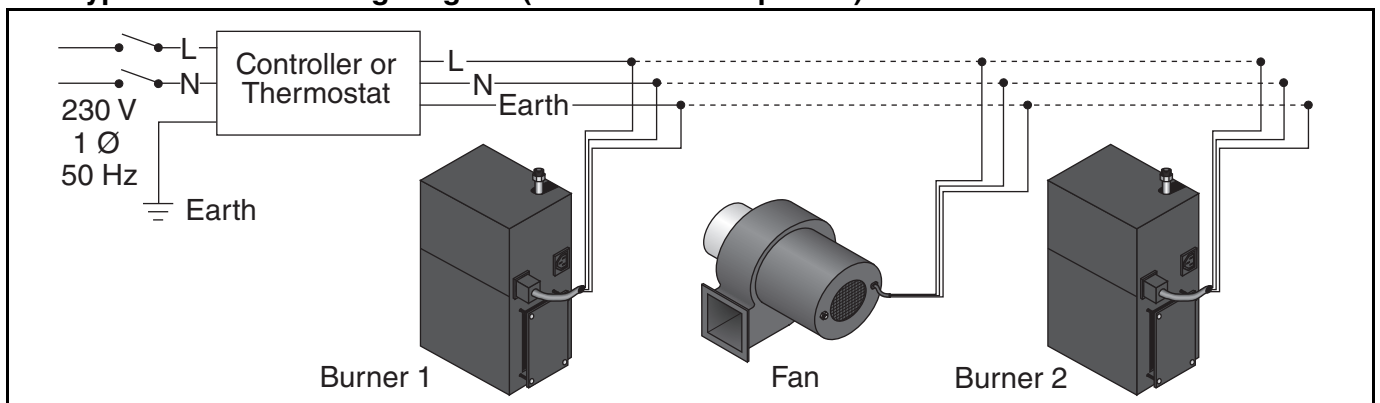
Section 13.4 for the external wiring details for the single-burner, double linear and multiburner heater systems.

All wiring must comply with current wiring regulations and any local regulations which may apply. Always switch off the supply to the burner and disconnect by removing the plug before removing the burner side panel.

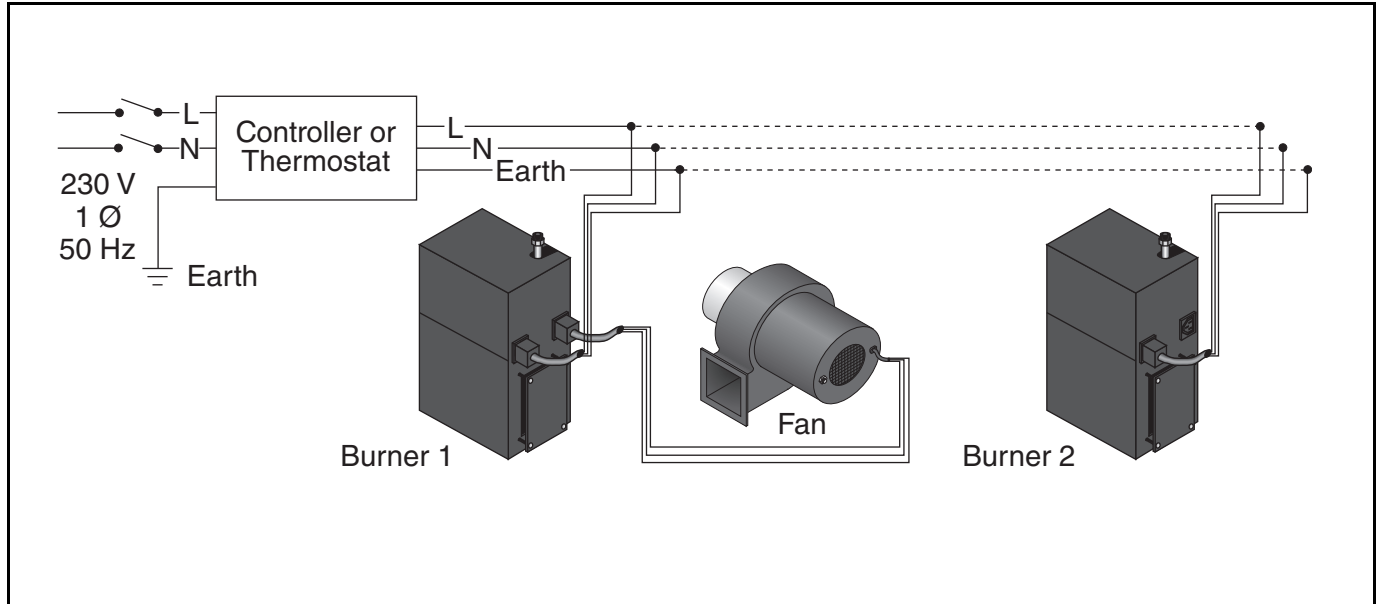
13.1 Typical External Wiring Diagram (Linear or U-Tube)



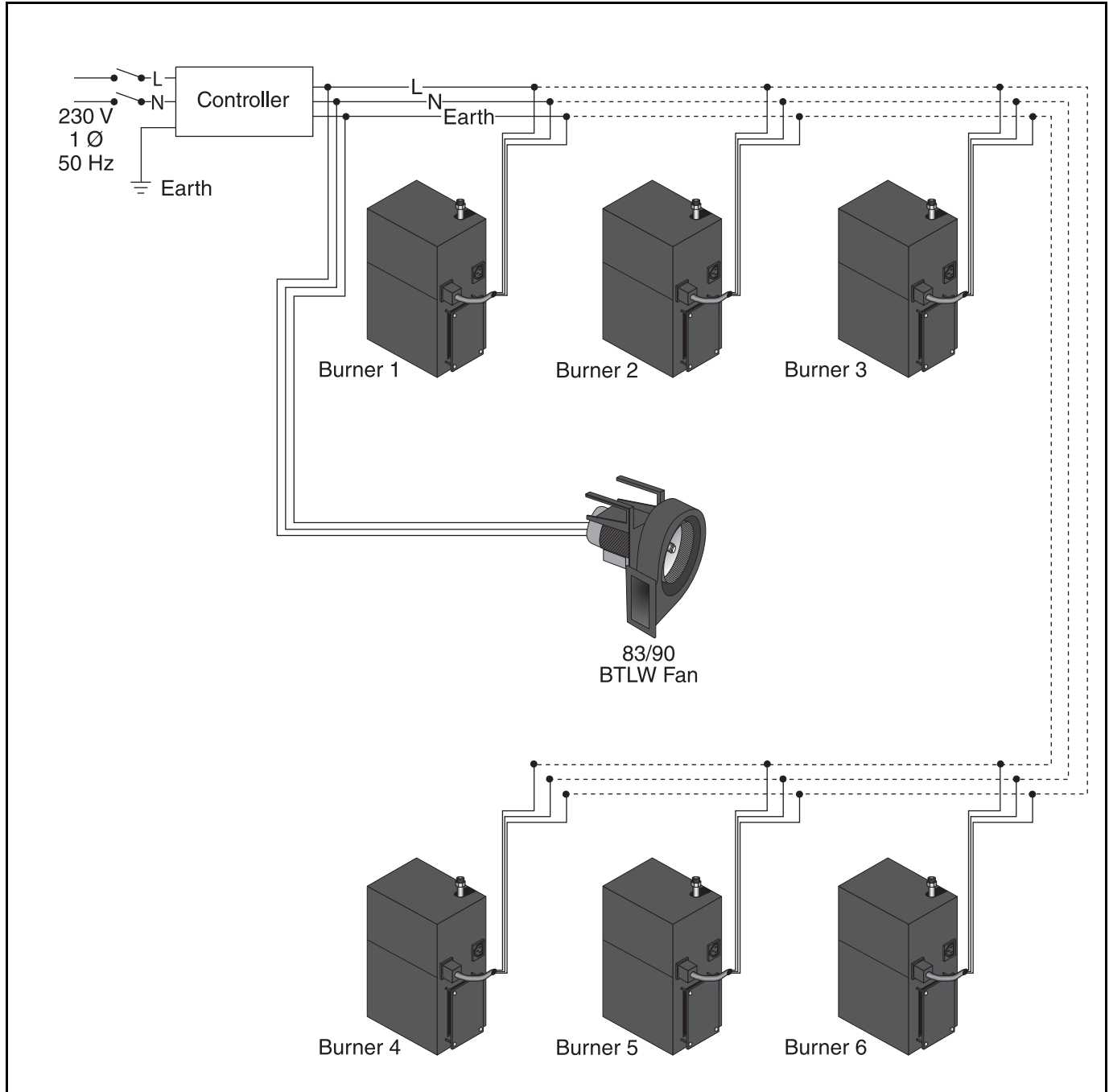
13.2 Typical External Wiring Diagram (Double Linear Option 1)



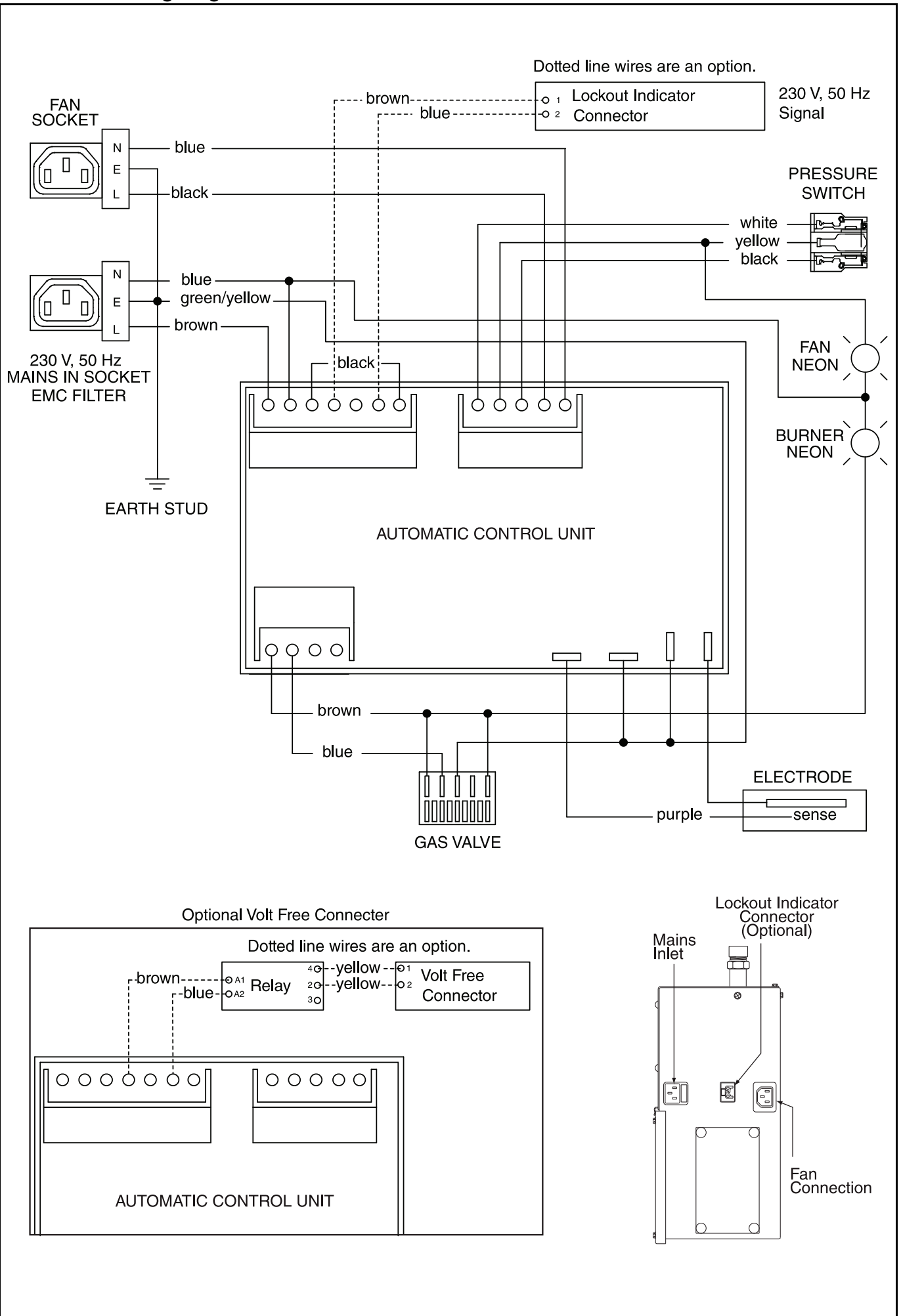
13.3 Typical External Wiring Diagram (Double Linear Option 2)



13.4 Typical External Wiring Diagram (Multiburner)



13.5 Internal Wiring Diagram



SECTION 14: OPERATION





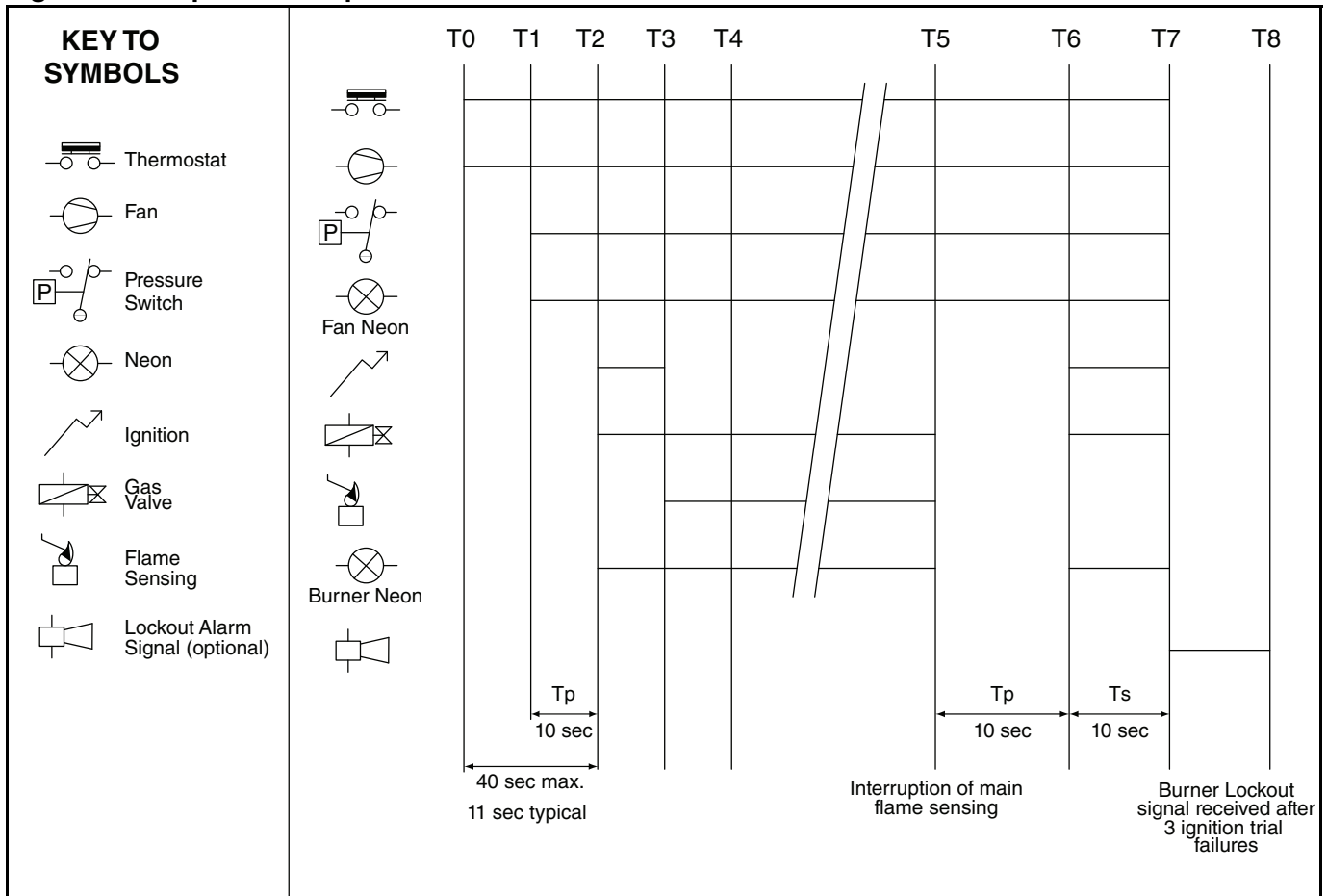
⚠ DANGER		⚠ WARNING	
			
<p>Electrical Shock Hazard</p> <p>Disconnect electric before service.</p> <p>More than one disconnect switch may be required to disconnect electric from heater.</p> <p>Heater must be connected to a properly grounded electrical source.</p>	<p>Explosion Hazard</p> <p>Turn off gas supply to heater before service.</p>	<p>Burn Hazard</p> <p>Allow heater to cool before service.</p> <p>Tubing may still be hot after operation.</p>	<p>Cut/Pinch Hazard</p> <p>Wear protective gear during installation, operation and service.</p> <p>Edges are sharp.</p>
<p>Failure to follow these instructions can result in death, electric shock, injury or property damage.</p>			

Figure 35: Sequence of Operation Chart



NOTE: If the heater operates for more than 24 hours continuously, the ignition module will automatically recycle the burner to ensure that all safety functions are still in working condition.

14.1 Heater Lockout Indication (Optional)

In case of flame loss during operation of the heater, the burner control unit goes to lockout mode after three ignition trials. At this stage a signal or closed relay will enable the ROBERTS GORDON® controller, BMS

system, etc. to indicate precisely which heater has failed. This can be done by two options.

14.1.1 Heater Lockout Indicator by Connector

A 230 V signal is provided which enables the ROBERTS GORDON® controller, BMS system, etc. to indicate the heater that has failed. An additional wire has to be installed from the heater lockout indicator connector to the monitoring computer. See *Page 57, Section 13.5*.

Description	Part Number
Connector male - Lockout Indicator	91324000
Connector female - Lockout Indicator	91324001
Wire Blue 12"	91300011
Wire Brown 12"	91300012

14.1.2 Heater Lockout Indicator by Volt Free Connector

A volt free contact relay is closed which enables the ROBERTS GORDON® controller, BMS system, etc. to indicate the heater that has failed. An additional wire has to be installed from the heater volt free connector to the monitoring computer. See *Page 57, Section 13.5*.

Description	Part Number
Connector male - Volt Free	91324000
Connector female - Volt Free	91324001
Wire Blue 7"	91300004
Wire Brown 7"	91300005
Wire Yellow 12"	91300003
Screw #8 x 3/8 Hex Wshr PHH Type 23	94961406
Base relay P2RF05E	C1050B
Relay G2R1-SN IMO 220 V 10 A	C1049B

14.2 Testing

Establish that a satisfactory purged gas supply and an electrical supply is available to the heater. Ensure that all time clocks and thermostats are set to call for heat.

With the gas supply cut off at the appliance isolating cock and the electrical supply isolated by switching off at the local switch and removing the appliance inlet plug, open the control chamber secured by the two screws. Loosen the sealing screw from the pressure test point and remove the cover cap from the governor.

Turn on the gas supply and connect appliance electrical plug. Ensure that the timer or thermostat, if fitted, are set to call for full gas rate. Switch on at the local switch. The sequence as described should take place. If not, refer to detailed fault finding sequence. When flame is established, check the gas pressure reading and adjust if necessary. Refer to burner data label.

Check the gas pressure at the outlet of the gas valve. See *Page 74, Section 18.9.1* or *See Page 75, Section 18.9.2* for pressure settings or refer to the data plate.

Switch off the electrical supply (shutting down the heater), remove pressure gauge - tighten pressure test point screw, ensuring a tight gas seal. Replace governor cover cap. Close burner side cover.

14.3 Commissioning (Multiburner)

1. Establish that a satisfactory purged gas supply and an electrical supply is available to the heater.
2. ENSURE that all the dampers are in the fully open position.

3. With the gas supply off at each of the burners and the electrical supply isolated, open the control chamber secured by two self tapping screws.
4. Ensure that all time clocks and thermostats are set to call for heat.

5. Switch on the electrical supply at the main isolator. This will start the exhaust fan.

6. Balancing Cold Vacuum

Check each burner vacuum by connecting an inclined pressure gauge to the tee on the pressure switch inlet side in the burner. Adjust the damper so that the vacuum is 1.9 mbar. Repeat for each burner.

7. Starting at the end burner (furthest from the exhaust fan), with the inclined pressure gauge connected as described above. Turn on the gas supply and connect appliance electrical plug, reset the pressure switch by removing vacuum from the inlet side of the pressure switch waiting several seconds and reconnecting. The start up sequence described on *Page 58, Section 14* should take place. If not, refer to detailed fault finding sequence. When flame is established, check the gas pressure reading and adjust if necessary. See data label.

Check the gas pressure at the outlet of the gas valve. See *Page 74, Section 18.9.1* or *See Page 75, Section 18.9.2* for pressure settings or refer to the data plate.

Switch off the electrical supply (shutting down the heater), remove pressure gauge - refit pressure test point screw, ensuring a tight gas seal. Replace governor cover cap.

Repeat this procedure for each burner in the system.

Close the control chamber and secure with two sheet metal screws.

8. Balancing Hot Vacuum

Reconnect all the burners on the system and allow them to reach full operating temperature (approximately 20 minutes). Return to each burner and recheck the hot vacuum at the tee on the inlet to the pressure switch. Readjust the damper so that the hot vacuum of 1.5 mbar (2.0 mbar for BH40EF) is achieved and lock the damper in position.

14.4 System Checks

Switch on again at the local switch to ensure smooth ignition. Carry out the following system checks:

When running, turn off the gas supply at the appliance. The heater will immediately shut down followed by three ignition attempts followed by lockout.





Linear and Double Linear only:

When running, disconnect the fan plug from the burner. The unit should shut down within three seconds, proving operation of the pressure switch.

14.5 User Instructions

After satisfactory testing, ensure that the client is fully aware of the operation of the system. Bring this manual to

SECTION 15: SERVICING INSTRUCTIONS

⚠ DANGER		⚠ WARNING	
			
<p>Electrical Shock Hazard</p> <p>Disconnect electric before service.</p> <p>More than one disconnect switch may be required to disconnect electric from heater.</p> <p>Heater must be connected to a properly grounded electrical source.</p>	<p>Explosion Hazard</p> <p>Turn off gas supply to heater before service.</p>	<p>Burn Hazard</p> <p>Allow heater to cool before service.</p> <p>Tubing may still be hot after operation.</p>	<p>Cut/Pinch Hazard</p> <p>Wear protective gear during installation, operation and service.</p> <p>Edges are sharp.</p>
<p>Failure to follow these instructions can result in death, electric shock, injury or property damage.</p>			

IMPORTANT: Never use the heater as a support for ladders or other access equipment. Always test for gas soundness with a suitable detection fluid after completing any servicing or exchange of gas carrying component. On completion of any service/fault finding tasks which require the breaking and remaking of electrical connections, the checks:- A:Earth Continuity, B:Polarity and C:Resistance to Earth must then be repeated.

15.1 Annual Procedure

Carry out the following procedure annually. The preferred time would be immediately before the winter heating period. If very dirty conditions arise, it may be necessary to carry out this procedure more often. If the unit takes in air through an air duct or filter assembly, more frequent service may be necessary.

15.1.1 Burner and Fan Removal

Isolate the heater from the gas and electrical supplies. Remove the fan plug from the burner. Unscrew the securing screws on the burner flange. The burner can now be removed. Take care not to disturb the gasket on the flanged burner tube. Unscrew the securing screw on the fan flange spigot. The fan can now be removed.

15.1.2 Burner and Fan Removal Maintenance

Remove the fan and burner independently to floor level and clean both items internally using a soft brush and compressed air, if available. Take care not to damage the internal parts of the burner. Check fan impeller for cleanliness and free rotation.

The electrodes are an integral part of the burner. To check spark gap, remove the securing screws on the electrode and withdraw it ensuring the gasket is not damaged. Spark gap on electrode should be approximately 3 mm.

15.1.3 Tube and Reflector Maintenance

With burner and fan removed, clean the outer surfaces of the tubes using a brush and wipe the inner surface of the reflector with a soft damp cloth - use a household detergent if necessary. Never use abrasive cleaners on the reflectors. Reassemble the burner and fan in reverse

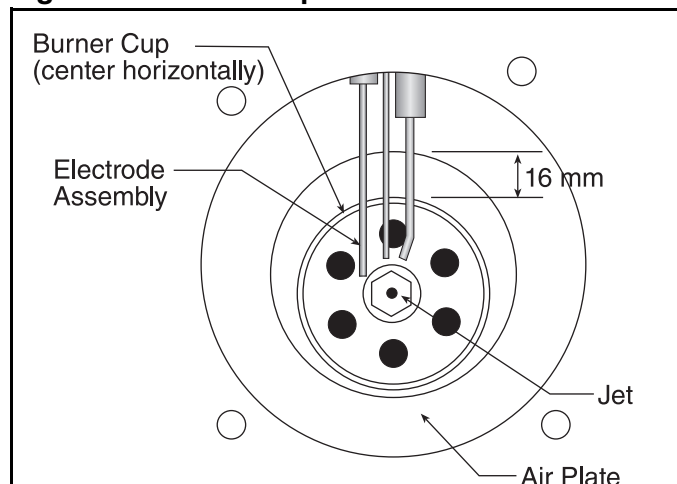
order. Carry out the Testing Procedure. See Page 59, Section 14.2.

15.2 Component Removal

First, isolate the heater from the gas and electrical supplies. Entry to the burner assembly is gained by removing the door screws and opening the hinged side cover. Entry to the combustion chamber is gained by removing the combustion chamber cover.

15.2.1 Electrode

Figure 36: Burner Cup Position



15.2.2 Burner Head/Injector Jet

When the cover is removed completely, the burner assembly is exposed. Unscrew the burner cup. Remove brass injector jet (orifice). Replace in reverse sequence.

15.2.3 Solenoid Valve/Governor

Remove burner head. Remove screws securing the solenoid/governor body bracket. Withdraw the four wires between the solenoids. The solenoid/governor and fittings can now be withdrawn from the compartment. The solenoid(s) can be removed from the body by unscrewing central screw. Replace in reverse sequence. Note: Earth is green/yellow.

15.2.4 Automatic Flame Control Unit

Remove black ignition lead. Withdraw the connectors. Remove two screws from the cover. Replace if faulty. Refit in reverse sequence.

15.2.5 Pressure Switch

Disconnect the two silicone tubes. Remove wires from the three blades. Remove two screws which secure the pressure switch to the burner. Remove pressure switch. Replace pressure switch, if faulty, and refit in reverse sequence ensuring that the rubber tubes are reconnected to the switch correctly.

Note: Wires fitted as follows:

- NO - Yellow
- NC - White
- Common - Black

15.2.6 Neons

Remove the two push on connectors and remove the neons by pushing downwards. Replace in reverse sequence.

15.3 Maintenance Checklist

Installation Code and Annual Inspections:

All installation and service of ROBERTS GORDON® equipment must be performed by a contractor qualified in the installation and service of equipment sold and supplied by Roberts-Gordon and conform to all requirements set forth in the ROBERTS GORDON® manuals and all applicable governmental authorities pertaining to the installation, service and operation of the equipment. To help facilitate optimum performance and safety, Roberts-Gordon recommends that a qualified contractor conduct, at a minimum, annual inspections of your ROBERTS GORDON® equipment and perform service where necessary, using only replacement parts sold and supplied by Roberts-Gordon.

The Vicinity of the Heater Do not store or use flammable objects, liquids or vapours near the heater. Immediately remove these items if they are present.
See Page 5, Section 3.

Vehicles and Other Objects Maintain the clearances to combustibles.
Do not hang anything from, or place anything on, the heater.
Make sure nothing is lodged underneath the reflector, in between the tubes or in the decorative or protective grilles (included with select models).
Immediately remove objects in violation of the clearances to combustibles.
See Page 5, Section 3.

Reflector Support reflector with hanger and support strap.
Reflector must not touch tube.
Make sure there is no dirt, sagging, cracking or distortion.
Do not operate if there is sagging, cracking or distortion.
Make sure reflectors are correctly overlapped. *See Page 23, Section 6.6.1. or Page 34, Section 7.8.1.*
Clean outside surface with a damp cloth.

Vent Pipe Venting must be intact. Using a flashlight, look for obstructions, cracks on the pipe, gaps in the sealed areas or corrosion.
The area must be free of dirt and dust.
Remove any carbon deposits or scale using a wire brush.
See Page 50, Section 11.





Outside Air Inlet Inlet must be intact. Look for obstructions, cracks on the pipe, gaps in the sealed areas or corrosion.
The area must be free of dirt and dust. Clean and reinstall as required.

Tubes	<p>Make sure there are no cracks.</p> <p>Make sure tubes are connected and suspended securely.</p> <p><i>See Page 11, Section 5.</i></p> <p>Make sure there is no sagging, bending or distortion.</p>
Gas Line	<p>Check for gas leaks. <i>See Page 53, Section 12.</i></p>
Burner Observation Window	<p>Make sure it is clean and free of cracks or holes.</p> <p>Clean and replace as required.</p>
Blower Scroll, Wheel and Motor	<p>Compressed air or a vacuum cleaner may be used to clean dust and dirt.</p>
Burner Cup and Orifice	<p>Clear of obstructions (even spider webs will cause problems).</p> <p>Carefully remove any dust and debris from the burner.</p>
Electrode	<p>Replace if there are cracked ceramics, excessive carbon residue, or erosion of the electrode.</p> <p>The electrode gap should be 3 mm.</p>
Thermostat	<p>There should be no exposed wire or damage to the thermostat.</p> <p><i>See Page 55, Section 13.</i></p>
Suspension Points	<p>Make sure the heater is hanging securely.</p> <p>Look for signs of wear on the chain or ceiling.</p> <p><i>See Page 11, Section 5.</i></p>
Sports Hall Guard, Decorative and Protective Grilles (optional)	<p>The grille must be securely attached. If the grille is loose or off, contact a contractor qualified in the installation and service of gas-fired heating equipment for repair.</p> <p>Check that side reflector extensions are installed correctly and secured in place if necessary (decorative grille only).</p> <p><i>See Page 42, Section 10.1 and Page 45, Section 10.4.</i></p> <p>Make sure shield is installed correctly and secured in place if necessary. (Decorative grille only.) <i>See Page 44, Section 10.3.2.</i></p>
Wall Tag	<p>If a wall tag is present, make sure it is legible and accurate. Please contact Roberts-Gordon LLC or your ROBERTS GORDON® independent distributor if you need a wall tag. <i>See Page 4, Section 2.1.</i></p>

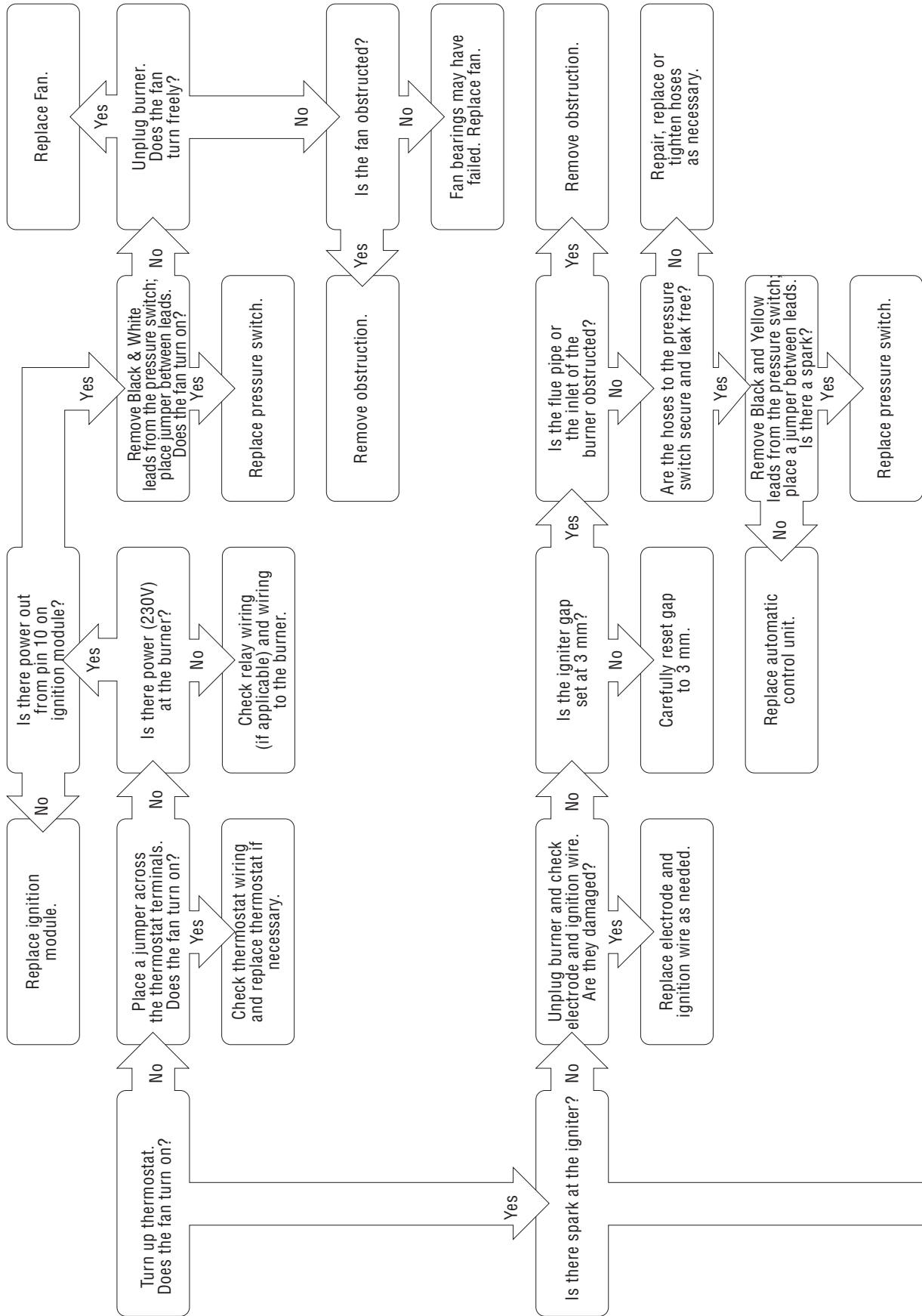
SECTION 16: TROUBLESHOOTING

⚠ DANGER

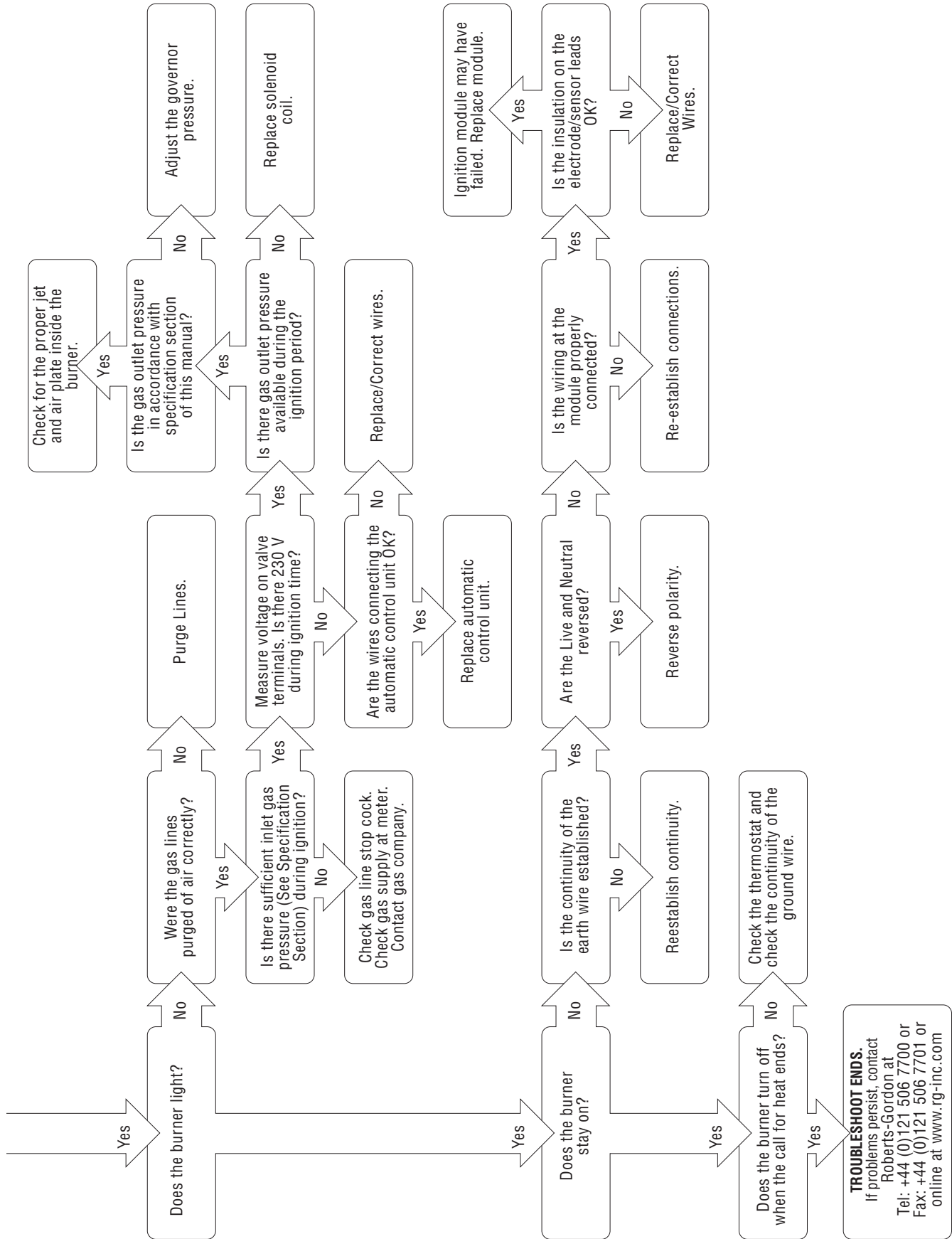
Electrical Shock Hazard
<p>Disconnect electric before service.</p> <p>Heater must be properly grounded.</p> <p>Failure to follow these instructions can result in death or electrical shock.</p>

⚠ WARNING			
			
Fire Hazard	Explosion Hazard	Burn Hazard	Cut/Pinch Hazard
<p>Keep all flammable objects, liquids and vapors the minimum required clearances to combustibles away from heater.</p> <p>Some objects will catch fire or explode when placed close to heater.</p>	<p>Turn off gas supply to heater before service.</p>	<p>Allow heater to cool before service.</p> <p>Tubing may still be hot after operation.</p>	<p>Wear protective gear during installation, operation and service.</p> <p>Edges are sharp.</p>
Failure to follow these instructions can result in death, injury or property damage.			

16.1 Troubleshooting Flow Chart (Linear, Double Linear and U-Tube)

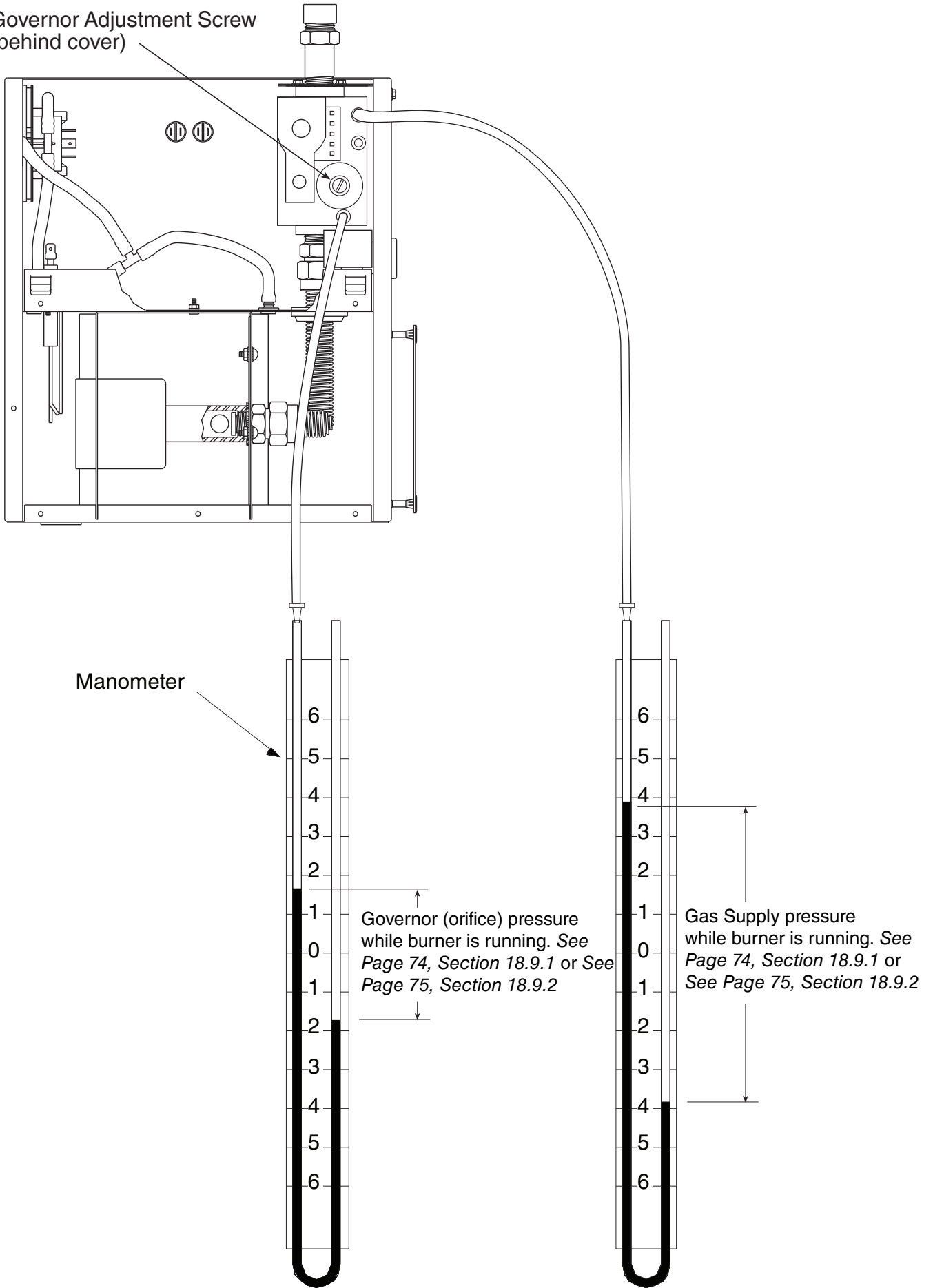


Troubleshooting Flow Chart (Linear, Double Linear and U-Tube)

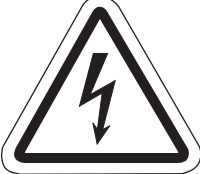





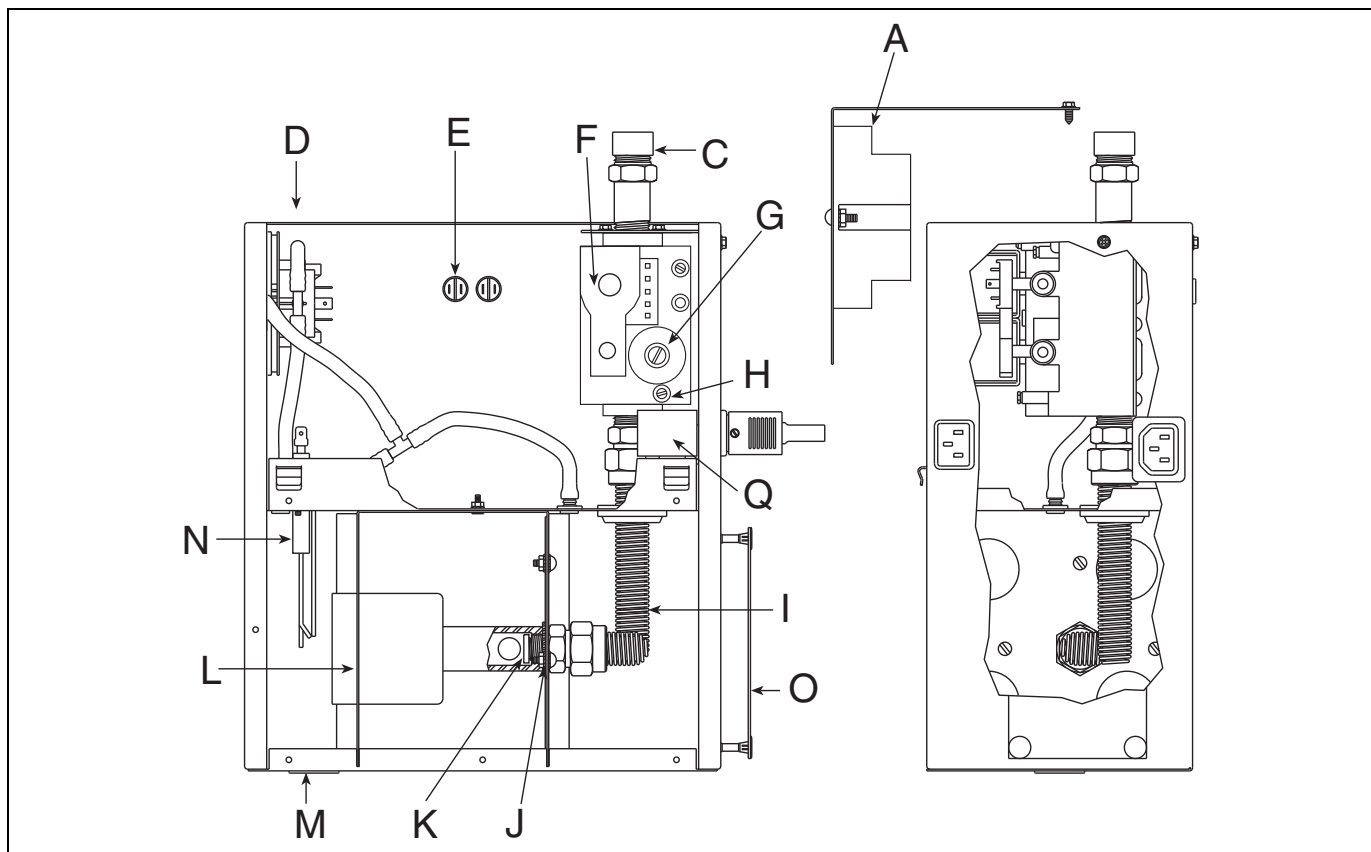
16.3 Manifold Gas Pressure Setting

Governor Adjustment Screw
(behind cover)



SECTION 17: REPLACEMENT PARTS

⚠ DANGER		⚠ WARNING	
			
Electrical Shock Hazard	Explosion Hazard	Fire Hazard	Carbon Monoxide Hazard
Use only genuine ROBERTS GORDON® replacement parts per this installation, operation and service manual.			
Failure to follow these instructions can result in death, electric shock, injury or property damage.			



Item	Description	Part Number	Item	Description	Part Number
A	Automatic Control Unit	90438702	O	Dust Arrest Baffle Plate	07230000
C	Flex Line Adapter	91220700	Q	Mains in socket with EMC Filter	90438902
D	Pressure Switch for BH25 - BH55, BH50EF, (0.23" w.c.) BH15 and BH20 (0.32" w.c.) BH30EF and BH35EF (0.41" w.c.) BH45EF (0.47" w.c.) BH40EF (0.79" w.c.) BH25EF (0.59" w.c.)	90439801 90439802 90439803 90439804 90439808 90439809	N/S	Ignition Wire	90427704
E	Amber Neon Lamp	91320602	N/S	Outside Air Kit	07260000
F	Gas Valve	90033101	N/S	Flue Collar 100 mm	91911700
G	Governor Screw	N/A	N/S	Outside Air Mounting Plate	07261000
H	Outlet Pressure Tap	N/A	N/S	#8 x 3/8 Washer Head Screw	94118106
I	Flex Manifold	03090702T	N/S	Burner Tube Gasket	02568200
J	Star Washer	96212100	N/S	Wire Purple 12.5"	07250007
K	Jet Orifice (See Page 74, Section 18.9.1)	N/A	N/S	Wire Harness BH Gas Valve	07250006
L	Burner Cup Assembly	03020100	N/S	Wire Harness BH Pressure Switch	07250005
M	Mica Window Assembly	02552303	N/S	Wire Harness BH Main Power	07250004
N	Electrode Assembly	90427403	N/S	Lockout Indicator Connector (male)	91324000
N/S	Electrode Gasket	02558501	N/S	Lockout Indicator Connector (female)	91324001

Notes:

SECTION 18: SPECIFICATIONS**18.1 Material Specifications****18.1.1 Combustion and Tubes**

100 mm dia. 16 gauge heat treated aluminised mild steel.

18.1.2 Reflectors

NS3 H14 aluminium or 1.4016 2R stainless steel (option).

18.2 Heater Specifications**18.2.1 Sequence Controller**

Fully automatic, three try, direct spark, 100% shut off ignition flame rectification module.

18.2.2 Electrical

Rating: 230V, 50 Hz, 1 Ø, 1 A

Connection: 3 pin moulded plug

18.2.3 Gas Supply

Connection: Rc1/2 (1/2" BSP int)

Natural G20:

Minimum - Inlet 15 mbar (6 in wg)

Maximum - Inlet 50 mbar (20 in wg)

Natural G25:

Minimum - Inlet 17.5 mbar (7 in wg)

Maximum - Inlet 50 mbar (20 in wg)

LP Gas (Propane or Butane):

Minimum - Inlet 32.5 mbar (13 in wg)

Maximum - Inlet 50 mbar (20 in wg)

18.3 Venting Specifications**18.3.1 Fans**

BH-15, 20, 25, 30..... Model: Torin DSF 133-42

BH-25 EF, 30 EF, 35 EF,
BH-35, 40, 45 Model: Torin DSA 524-202

BH-40 EF, 45 EF,
50 EF, BH-50 Model: Magnetek JF1G

BH30DL, 40DL, BH50DL/EF,
60DL/EF, 70DL/EF..... Model: Magnetek JF1G

Multiburner Model: Airflow 83 BTLW

..... Model: Airflow 90 BTLW

Consult the manufacturer for availability of alternate fans.

18.3.2 Flue

When fitted, the flue must be 100 mm, or greater in diameter, and must conform to National Codes. The flue must be self supporting. Inlet must be 100 mm diameter.

Multiburner - Flue must be 150 mm diameter and will be sized to suit arrangement and will connect to the fan. Flue material must conform to National Codes. The flue must be self supporting.

18.4 Suspension Specifications

Hang heater with materials with a minimum working load of 33 kg.

18.5 Controls Specifications

Time switches, thermostats, etc. can be wired into the electrical supply. External controls supplied as an optional extra.

18.6 Linear Heater	BH15ST	BH20ST	BH25ST BH25ST/EF	BH30ST BH30ST/EF	BH35ST BH35ST/EF	BH40ST BH40ST/EF	BH45ST BH45ST/EF	BH50ST BH50ST/EF	BH55ST*
Input - Gross (kW)	15	20	25	30	35	40	45	50/51	55
Input - Net (kW)	13.5	18	22.5	27	31.5	36	40.5	45/46	49.5
Tube Length (mm)	6096	9144	9144	12192	12192	12192	15240	15240	18288
Overall Heater Length (mm)	6661	9709	9709	12757	12767	12767	15815	15850	18579
Weight (kg)	39	55	55	68	68	68	81	81	95
Heated Area (m ²)	20-160	30-210	40-265	50-315	55-370	65-420	70-475	80-525	90-620
Minimum Installation Height(mm)	3500	3500	3500	3500	4600	5000	5000	5000	6000
Recommended Installation Height (mm)	3500	3600	3900	4200	4800	5500	6700	7600	8000

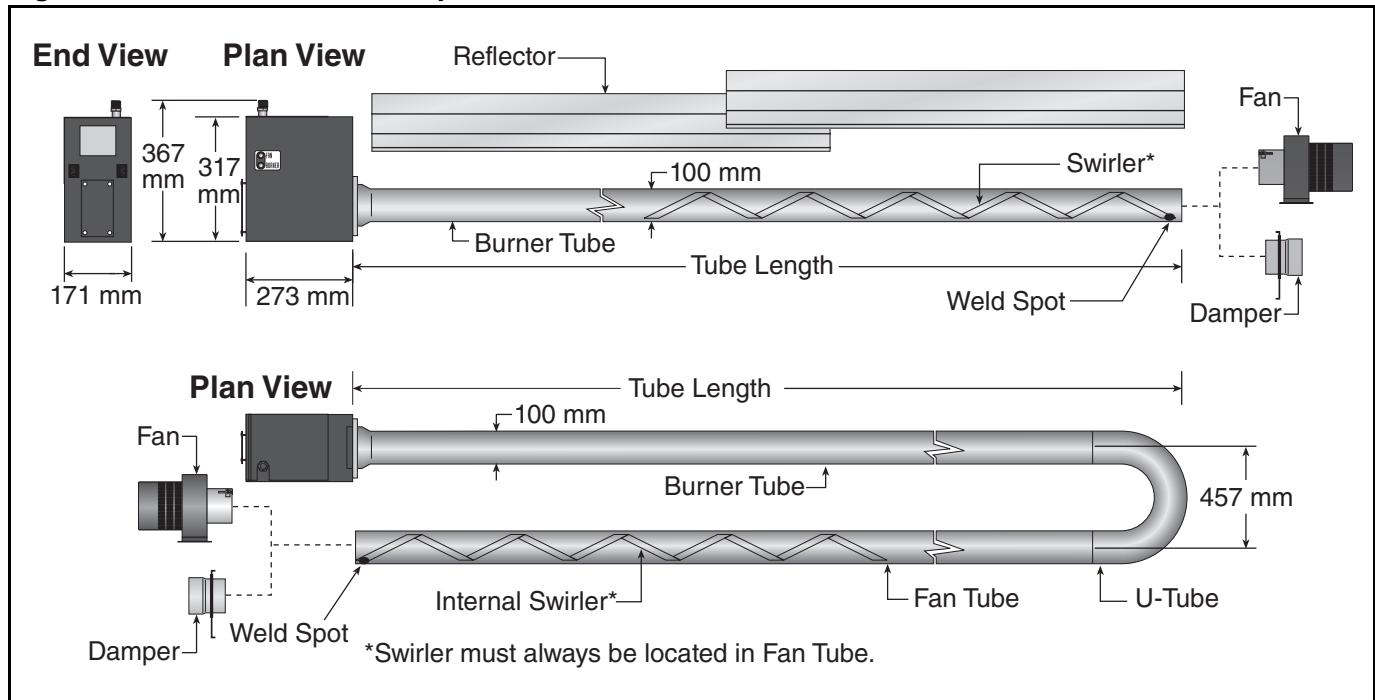
* Only available in Multiburner.

18.7 Double Linear Heater	BH30DL	BH40DL	BH50DL BH50DL/EF	BH60DL BH60DL/EF	BH70DL BH70DL/EF
Input - Gross (kW)	30	40	50	60	70
Input - Net (kW)	27.5	36	45	54	63
Tube Length (mm)	12802	18898	18898	24994	24994
Overall Heater Length (mm)	13462	19558	19558	25654	25654
Weight (kg)	82	110	110	136	136
Heated Area (m ²)	50-315	65-420	80-525	100-630	110-740
Minimum Installation Height (mm)	3500	3500	3500	3500	4600
Recommended Installation Height (mm)	3500	3600	3900	4200	4800

18.8 U-Tube Heater	BH15UT	BH20UT	BH25UT BH25UT/EF	BH30UT BH30UT/EF	BH35UT BH35UT/EF	BH40UT BH40UT/EF	BH45UT BH45UT/EF	BH50UT BH50UT/EF
Input - Gross (kW)	15	20	25	30	35	40	45	50
Input - Net (kW)	13.5	18	22.5	27	31.5	36	40.5	45
Tube Length (mm)	3531	5055	5055	6579	6579	6579	8103	8103
Overall Heater Length (mm)	3822	5346	5346	6870	6870	6870	8394	8394
Weight (kg)	41	54	54	65	65	66	96	96
Heated Area (m ²)	20-160	30-210	40-265	50-315	55-370	65-420	70-475	80-525
Minimum Installation Height (mm)	3500	3500	4000	4700	5000	5000	5000	5000
Recommended Installation Height (mm)	3500	3600	4000	4700	5000	5500	6700	7600

18.9 Burner Specifications

Figure 37: Linear and U-Tube Specifications



18.9.1 Standard Burner Specifications

	BH15	BH20	BH25	BH30	BH35	BH40	BH45	BH50	BH55*
Burner Airplate ID Number	20	15	12	6	7	9	10	11	19
Jet Numbers - Natural G20 & 25	#30	3.8 mm	#19	4.7 mm	#9	#3	#2	B	E 6.8 mm (G25)
Jet Numbers - Propane/Butane	#46	2.3 mm	#37	#33	3.1 mm	3.3 mm	#29	#26	#24
Jet Numbers - Pressure Couple	1.95 mm	2.25 mm	2.5 mm	2.7 mm	2.9 mm	3.2 mm	3.25 mm	3.4 mm	-
Gas Consumption** Natural G20 (m³/h)	1.43	1.91	2.38	2.86	3.36	3.81	4.29	4.77	5.25
Gas Consumption** Natural G25 (m³/h)	1.66	2.22	2.77	3.32	3.88	4.43	4.99	5.54	6.09
Gas Consumption** Propane (m³/h) [kg/h]	0.56 [1.07]	0.75 [1.43]	0.94 [1.79]	1.13 [2.15]	1.32 [2.50]	1.51 [2.86]	1.69 [3.22]	1.88 [3.58]	2.07 [3.94]
Gas Consumption** Butane (m³/h)	0.43	0.57	0.72	0.86	1.00	1.15	1.29	1.43	1.57
Governor Pressure Butane (mbar)	21.4	19.7	19.2	17.4	18.2	17.9	16.9	18.4	18.3
Governor Pressure Butane (in wg)	8.6	7.9	7.7	7.0	7.3	7.2	6.8	7.4	7.3
Governor Pressure Propane (mbar)	26.1	26.1	26.1	27.4	26.1	28.6	28.6	26.1	26.1
Governor Pressure Propane (in wg)	10.5	10.5	10.5	11.0	10.5	11.5	11.5	10.5	10.5

*Only available in Multiburner. **Based on Gross Caloric Value.

Natural G20: 8.7 mbar 3.5 in wg
 Natural G25: 11.1 mbar 4.5 in wg

Natural G25 BH 55*: 9.5 mbar 3.8 in wg

Attach this information to a wall near the ROBERTS GORDON® heater.




Read the Installation, Operation, and Service Manual thoroughly before installation, operation, or service.

Know your model number and installed configuration.

Model number and installed configuration are found on the burner and in the Installation, Operation and Service Manual.

Write the largest clearance dimensions with permanent ink according to your model number and configuration in the open spaces below.

OPERATING INSTRUCTIONS	⚠ WARNING
<ol style="list-style-type: none"> STOP! Read all safety instructions on this information sheet. Open the manual gas valve in the heater supply line. Turn on electric power to the heater. Set the thermostat to desired setting. 	 Fire Hazard Keep all flammable objects, liquids and vapors the minimum required clearances to combustibles away from heater. Some objects will catch fire or explode when placed close to heater. Failure to follow these instructions can result in death, injury or property damage.
TO TURN OFF THE HEATER	
<ol style="list-style-type: none"> Set the thermostat to off or the lowest setting. 	
IF THE HEATER WILL NOT OPERATE, TO ENSURE YOUR SAFETY, FOLLOW THESE INSTRUCTIONS TO SHUT DOWN YOUR HEATER	
<ol style="list-style-type: none"> Set the thermostat to off or the lowest setting. Turn off electric power to the heater. Turn off the manual gas valve in the heater supply line. Call your registered installer/contractor qualified in the installation and service of gas-fired heating equipment. 	

**Maintain _____ clearance
 to the side and
 _____ clearance below
 the heater from vehicles
 and combustible materials.**

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Installation Code and Annual Inspections:

All installation and service of ROBERTS GORDON® equipment must be performed by a contractor qualified in the installation and service of equipment sold and supplied by Roberts-Gordon and conform to all requirements set forth in the ROBERTS GORDON® manuals and all applicable governmental authorities pertaining to the installation, service and operation of the equipment. To help facilitate optimum performance and safety, Roberts-Gordon recommends that a qualified contractor conduct, at a minimum, annual inspections of your ROBERTS GORDON® equipment and perform service where necessary, using only replacement parts sold and supplied by Roberts-Gordon.

Further Information: Applications, engineering and detailed guidance on systems design, installation and equipment performance is available through ROBERTS GORDON® representatives. Please contact us for any further information you may require, including the Installation, Operation and Service Manual.

This product is not for residential use.

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