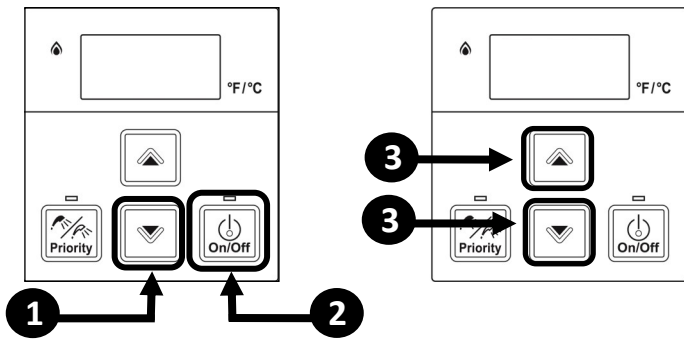


PERFORMANCE DATA

To Obtain Performance Data:

- Press and hold the ▼ (Down) button.
- While holding the ▼ (Down) button for 2 seconds, press and hold the "On/Off" button (hold both buttons simultaneously).
- Use the ▲ (Up) and ▼ (Down) buttons to scroll to the desired performance information described below.



Performance Data Table

#	DATA	UNIT
01	Water Flow Rate	x0.1 gal/min
02	Outgoing Temperature	°F
03	Combustion Hours	x100 Hours
04	Combustion Cycles	See following information
05	Fan Frequency	Hz
06	Additional Controllers Connected	See following information
07	Water Flow Control Position	0=Mid, 1=Open, 2=Closed
08	Inlet Temperature	°F
09	Fan Current	x10 mA
10	Total Bath Fill Amount	gallons
11	HEX Outlet Temperature	°F
12	By-Pass Flow Control Position	Degrees of opening
14	Intake Thermistor Temperature (Indoor Units Only)	°F
17	Freeze Protection Temperature (Outdoor Units Only)	°F
19	Pump Hours	x100 Hours
20	Pump Cycles	See following information

04	Combustion Cycles
20	Pump Cycles

DISPLAY	CYCLE COUNT
000 to 999	x100 (0 to 99,900)
10- to 99-	x10,000 (100,000 to 990,000)
1-- to 5--	x1,000,000 (1,000,000 to 6,000,000)

06 Controllers Connected		
CONTROLLER MODEL	CONNECTED	NOT CONNECTED
MC	...1	...0
BC	...1	...0
BSC & BSC2	1... 2... (QTY2)	0...

Default display is 100.
... depends on connection status of another controller.

MANIFOLD PRESSURE SETTINGS

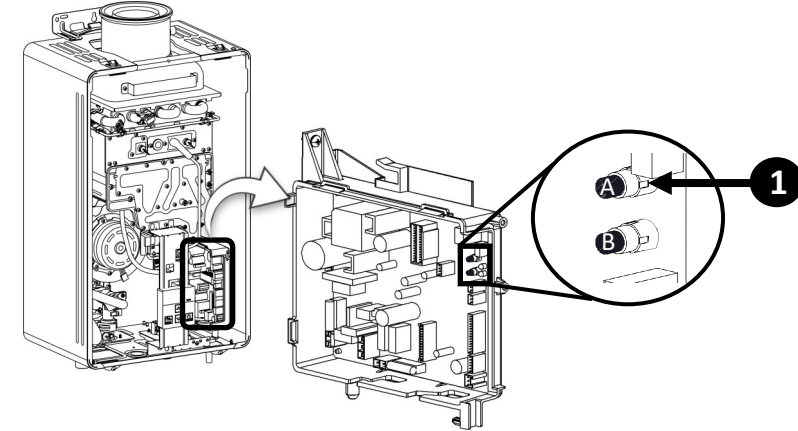
Ensure gas pressure check under Commissioning has been completed first! The regulator is electronically controlled and factory pre-set. Under normal circumstances it does not require adjustment during installation. Make adjustments only if the unit is not operating correctly and all other possible causes for incorrect operation have been eliminated.

- Turn off the gas supply.
- Turn off the 120 V power supply.
- Remove the front panel from the appliance.
- Turn on the 120 V power supply.
- Check the gas type using the data plate on the side of the unit and parameter setting 10 (refer to Parameter Settings section). (A=LPG, b=NG).
- Remove sealing screw and attach the manometer to the burner test point, located on the manifold.
- Turn on the gas supply.
- Flow water through the water heater at the maximum flow rate obtainable. (At least 3 gallons per minute is recommended. If there is not enough water flowing, the water heater could shut off or sustain damage due to overheating.)
- Push and hold "F" button. "F1" will appear on the display.
- Push and hold "A" button. "Forced Low" will appear on the display.
- Push and hold "A" button again. "Forced High" will appear on the display.
- While in "Forced Low" or "Forced High", use the Up button on the controller to increase the pressure. Use the Down button to decrease the pressure.
- To exit "Forced Low" or "Forced High", push and hold "B" button. "2L" will appear on the display.
- Push and hold "B" button again. "3C" will appear on the display. (Indoor models only)
- Push and hold "B" button again. "4t" will appear on the display.
- Push and hold "B" button again. The set temperature will appear on the display (indoor models only).
- Close hot water taps.
- Turn off the gas supply and 120 V power supply.
- Remove the manometer and re-install sealing screw.
- Turn on the gas supply and 120 V power supply.
- Operate the unit and check for gas leaks.
- Install the front panel.

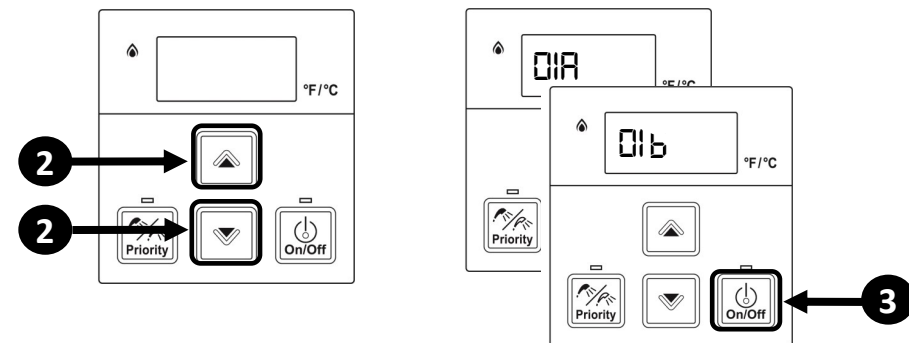
PARAMETER SETTINGS

To Adjust the Parameters:

- Press the "A" button for 1 second.



- Use the ▲ (Up) and ▼ (Down) button on the controller to select a setting number (See Parameter Settings Table).
- Once the desired setting number is selected, use the "On/Off" button on the controller to change the selection for the setting number. Example: Display will change from 01A to 01b for Maximum Temperature setting (as shown below).
- To exit the parameters, press the "A" button on the PCB for 1 second.



Parameter Settings Table

SETTING #	SETTING DESCRIPTION	SELECTION			
		a	b	c	d
01	Maximum Set Temperature	120°F	140°F		
02	High Altitude (Installation Location)	0 - 2,000 ft (0 - 610 m)	2,001 - 5,400 ft (610 - 1,646 m)	5,401 - 7,700 ft (1,646 - 2,347 m)	7,701 - 10,200 ft (2,347 - 3,109 m)
03	Service Soon	Disabled	0.5 Year	1 Year	2 Years
04	Recirculation Settings	No Recirculation	Recirculation (Dedicated)		
05	Recirculation Mode	Economy	Comfort		
06	Control Switch	BMS	Air Handler (AH)		
07	Units in Standby	2	1		
10	Gas Type (Factory Set)	LPG	NG		
12	Water Heater Model	Without Pump	With Pump		
13	(Factory set values and not adjustable)	199/160	180/140		
14		Indoor	Outdoor		
15	Low Activation Mode	On	Off		
18	Setting Temperature Table	Default	Alternate		
19	Adjust DHW Temperature Setting	0°F (0°C)	1.8°F (1°C)	3.6°F (2°C)	5.4°F (3°C)
99	Vent Length	Long	Short		

ELECTRICAL DIAGNOSTICS

NOTE: Wiring diagram is available in manual and on the inside front cover.

Important Safety Notes

There are a number of (live) tests required when performing electrical diagnostics on this product. Proceed with caution at all times to avoid contact with energized components inside the water heater. Only trained and qualified service technicians should attempt to repair this product. Before checking for resistance readings, disconnect the power source to the unit and isolate the item from the circuit (unplug it).

Freeze Protection

This unit has freeze protection heaters mounted at different points to protect the water heater from freezing. All of them should display a positive resistance reading.

Flame Rod

Place one lead of your meter to the flame rod and the others to ground. When the unit is attempting to ignite, you should read more than 0.5VAC.

Amp Fuses

This unit has two glass fuses located on the PCB Board, one inline (10) amp and one (4) amp glass fuse. Remove the fuses and check continuity through it. If you have continuity through each fuse then it is functioning. Otherwise the fuse is blown and must be replaced. Note: RE140/e does not have a 4 amp fuse.

Thermistors

Check all thermistors by inserting meter leads into each end of the thermistor plug. Set your meter to the 20 K scale and read resistance. Applying heat to the thermistor bulb should decrease the resistance. Applying ice to the thermistor bulb should increase the resistance. Below are examples of typical temperatures and resistance readings.

Temperature	Resistance Readings
59°F	11.4 - 14KΩ
86°F	6.4 - 7.8KΩ
113°F	3.6 - 4.5KΩ
140°F	2.2 - 2.7KΩ
221°F	0.6 - 0.8KΩ

Electrical Circuit Table

COMPONENT	WIRE COLOUR	VOLTAGE	RESISTANCE	PCB	
				Connector	PIN
Power Supply	Black-White	AC108~132V	N/A	CN100	1-3
Flame Rod	Yellow-Body	more than 0.5VAC	N/A	CN9	37
	Pink-Body	more than 0.5VAC	N/A	CN7	1
Spark Electrode	White-Black	11~14VDC*	N/A	CN9	5-8
Combustion Fan	Red-Black	7~48VDC*	N/A	CN9	1-3
	White-Black	2~14VDC*	N/A	CN9	2-3
	Yellow-Black	11~14VDC*	N/A	CN9	4-3
Water Flow Control Device	Red-Pink	N/A	40~60Ω	CN9	21-19
	Blue-White	N/A	N/A	CN9	25-23
By-Pass Flow Control Device (RE199, RE180 model only)	Orange-Grey	11~14VDC	N/A	CN9	6-13
	Brown-Grey	limiter On: less than 1VDC limiter Off: 4~6VDC	N/A	CN9	17-13
Main Solenoid Valve	Red-Pink	N/A	40~60Ω	CN9	29-27
Modulating Solenoid Valve	Blue-White	N/A	40~60Ω	CN9	33-31
Solenoid Valve 1	Black-Black	8~13.5VDC	15~25Ω	CN9	18-32
Solenoid Valve 2	Yellow-Yellow	2~17VDC*	10~20Ω	CN9	12-14
Solenoid Valve 3	Blue-Black	8~13.5VDC	20~30Ω	CN9	24-22
Solenoid Valve 4	Yellow-Black	8~13.5VDC	20~30Ω	CN9	26-22
Solenoid Valve 5	Red-Black	8~13.5VDC	20~30Ω	CN9	28-22
Outgoing Water Thermistor	Orange-Black	8~13.5VDC	20~30Ω	CN9	30-22
Inlet Thermistor	White-White	59°F: 11.4-14kΩ 86°F: 6.4-7.8kΩ		CN7	11-13
	White-White	113°F: 3.6-4.5kΩ 140°F: 2.2-2.7kΩ		CN7	4-5
Heat Exchanger Thermistor	White-White	221°F: 0.6-0.8kΩ		CN7	8-4
Intake Thermistor (Indoor type only)	White-White	N/A		CN7	12-6
Freeze Protection Thermistor (Outdoor type only)	White-White	32°F: 38k-43k 50°F: 22k-26k 68°F: 14k-17k		CN7	10-6
	White-White	Disconnect the connector and measure at thermistor side.			
Overheat Switch	Black-Black	less than 1VDC	less than 1Ω	CN9	10-16
	Red-Black	11~14VDC		CN9	7-11
Water Flow Sensor	Yellow-Black	4~7VDC* Comment: more than 6Hz (1.0L/min)	N/A	CN9	9-11
	White-Black	AC108~132V	N/A	C101	1-2
External Pump (Except for integrated pump and RE140 model)	Red-Brown	11~14VDC*	N/A	CN8	1-2
Additional Controller(s)	White-Black	AC108~132V*	N/A	C101	1-2
Thermal Fuse	White-White	11~14VDC	N/A	CN4	1-3
	White-White	less than 1VDC	less than 1Ω	CN9	20-34

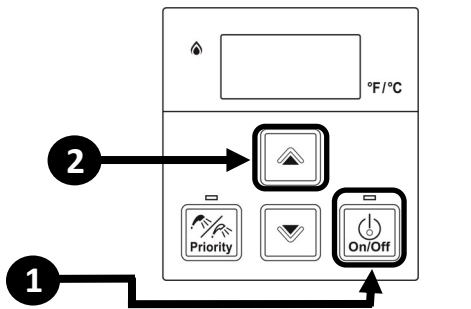
(* Value to be measured while unit is in operation)

DIAGNOSTIC CODES

Visit www.rinnai-lms.com for additional troubleshooting resources

To Display Diagnostic Codes:

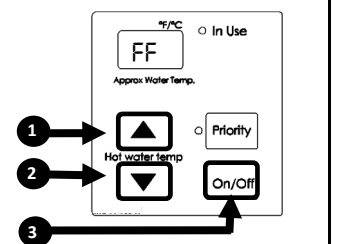
- Turn off the water heater by pressing the "On/Off" button.
- Press and hold the "On/Off" for 2 seconds and then the ▲ (Up) button simultaneously.
- The last 9 maintenance codes display and flash one after the other.
- To exit diagnostic codes and return the water heater to normal operation, press and hold the "On/Off" button for 2 seconds and then the ▲ (Up) button simultaneously.
- Turn on the water heater by pressing the "On/Off" button.

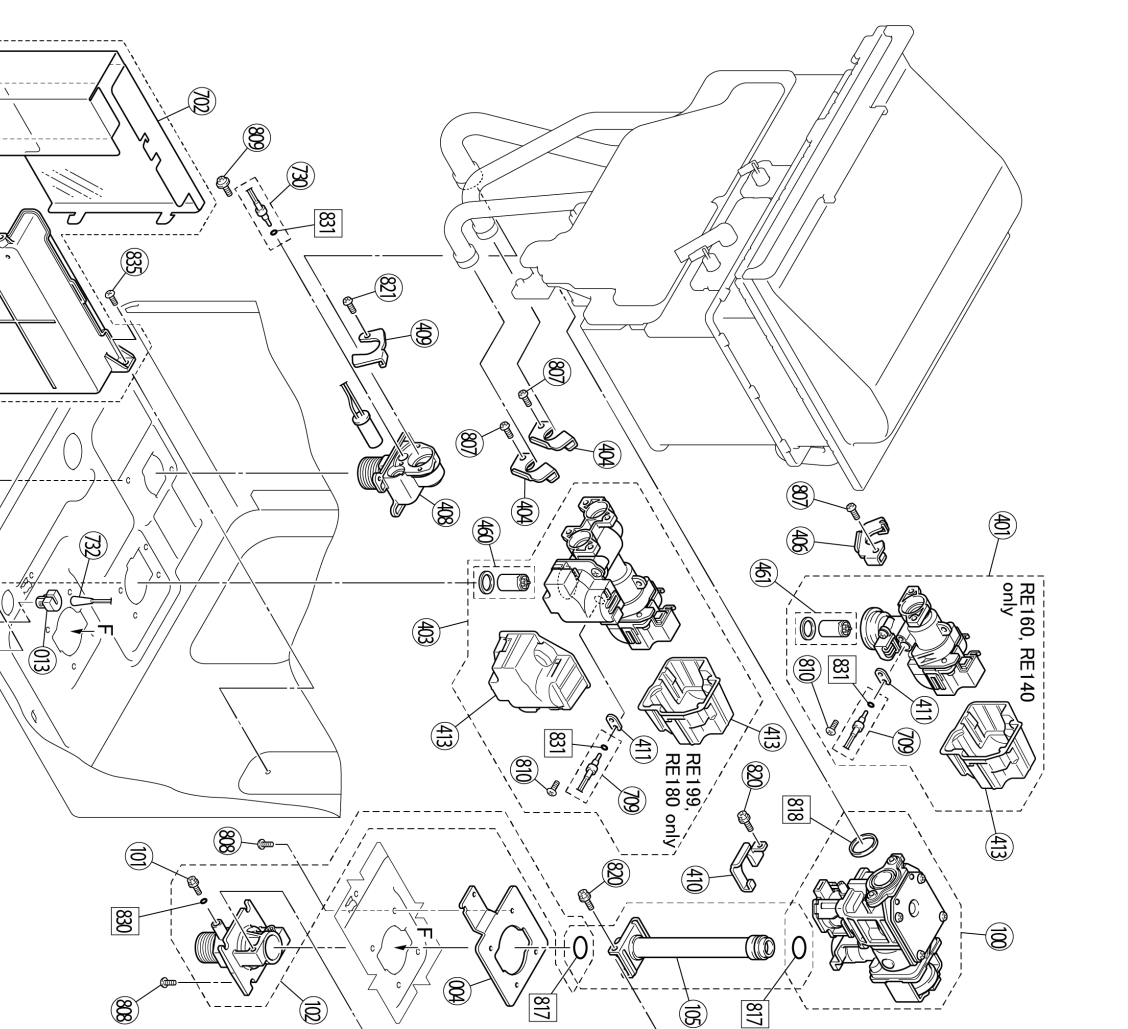
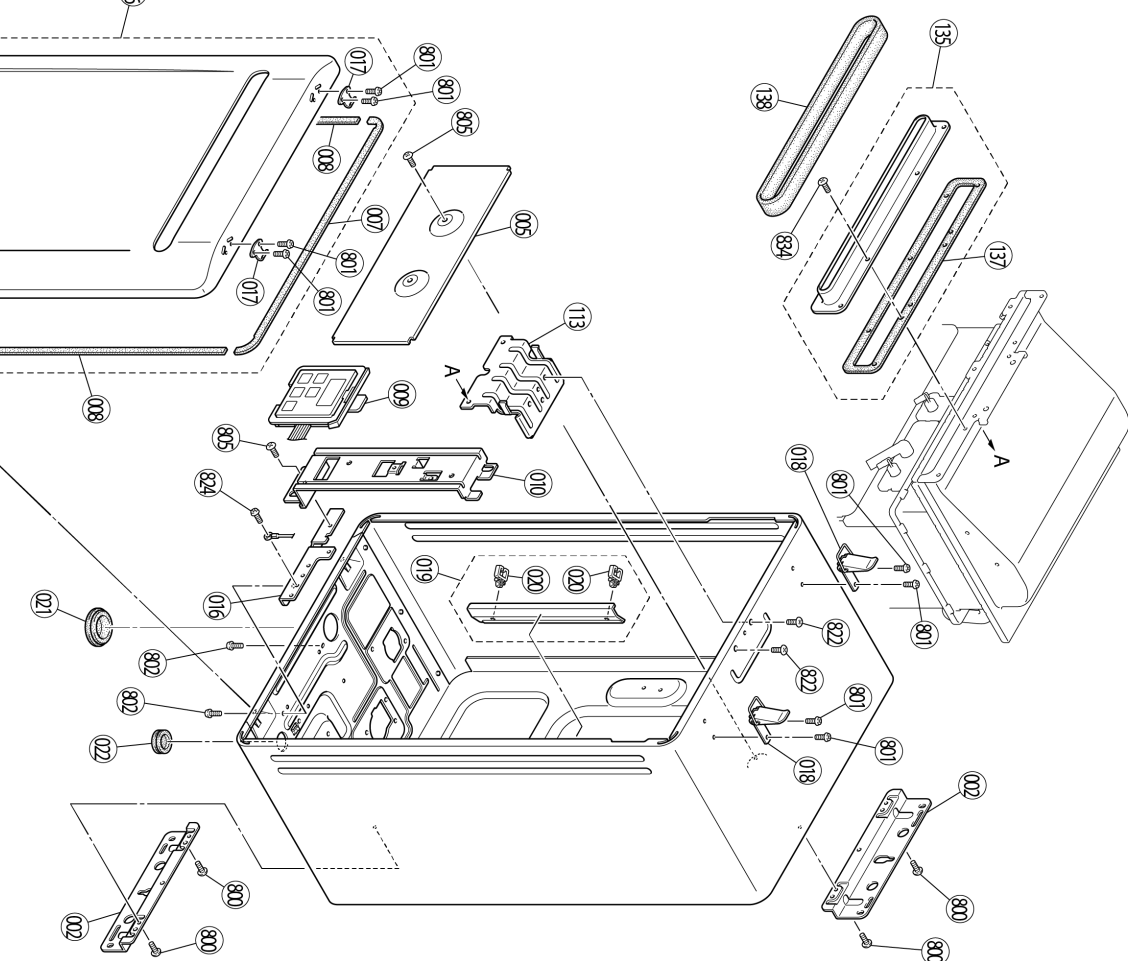
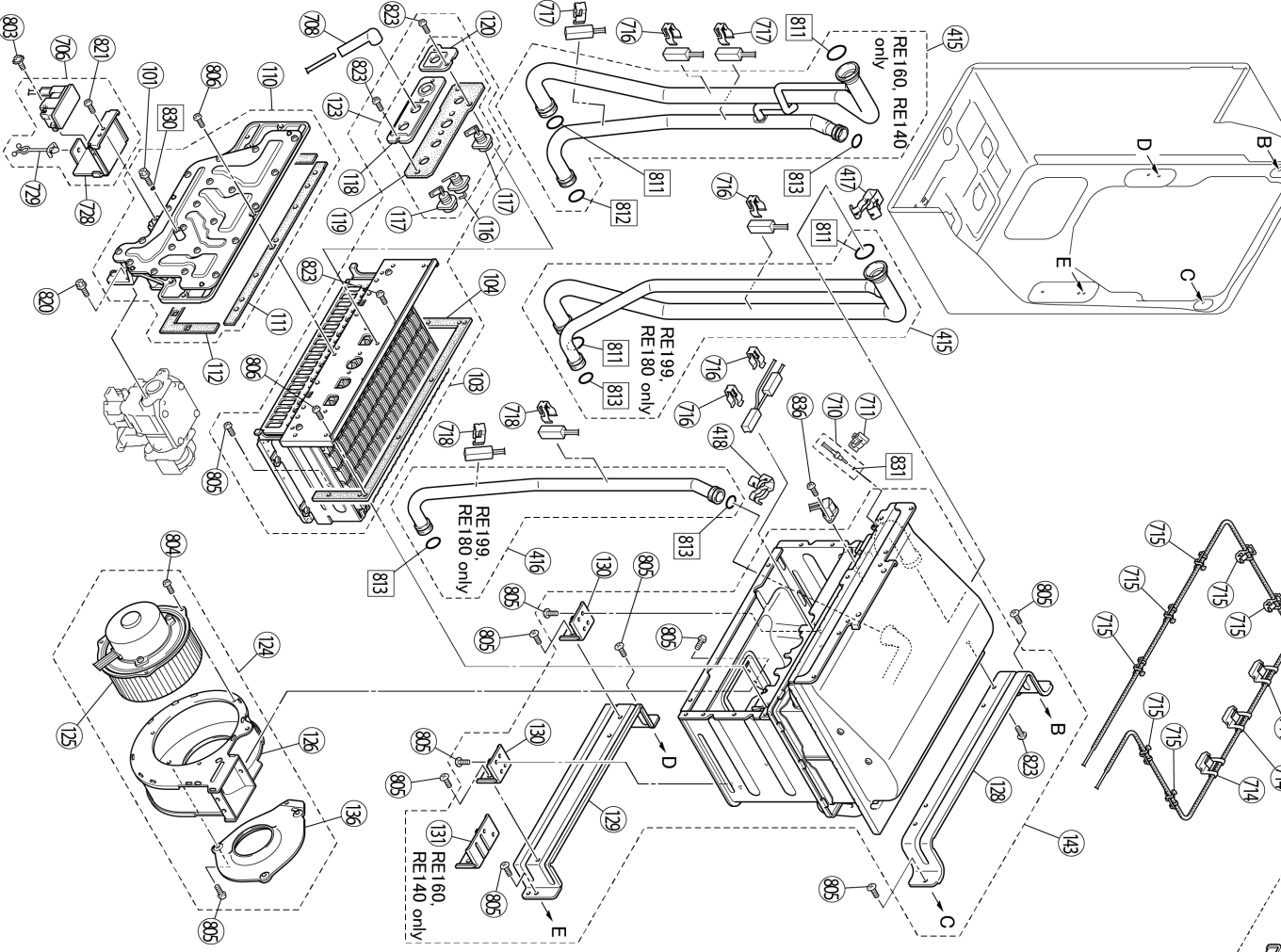
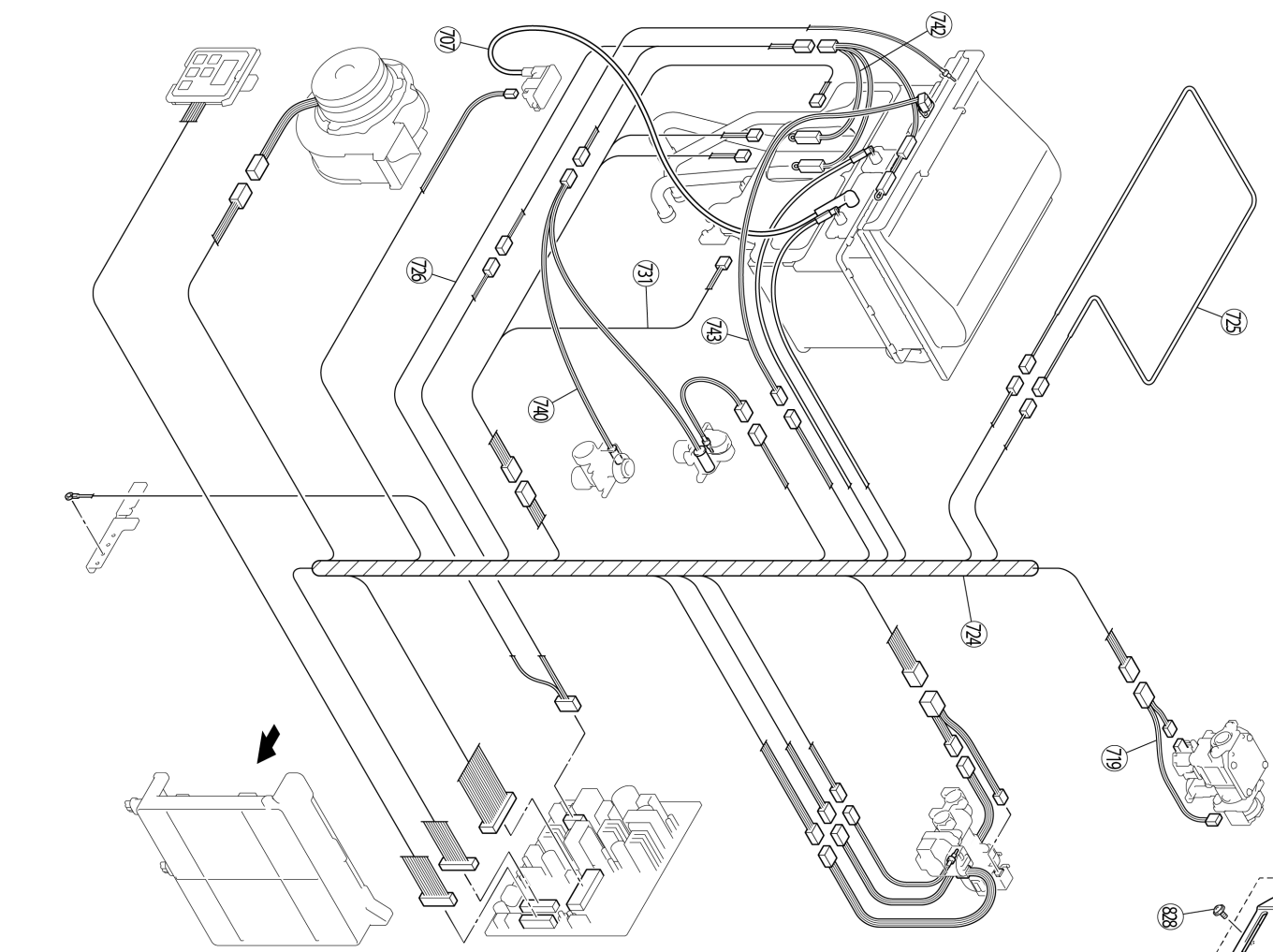


10 Air Supply or Exhaust Blockage	<ul style="list-style-type: none"> Ensure approved venting materials are being used. Check that nothing is blocking the flue inlet or exhaust. Check all vent components for proper connections. Ensure vent length matches with the vent lengths set in the parameter settings. Verify High Altitude setting is set properly. (See Parameter Setting) Check fan for blockage.
11 No Ignition (Heater Not Turning On)	<ul style="list-style-type: none"> Check that the gas is turned on at the water heater, meter, or propane cylinder. If the system is propane, make sure that gas is in the tank. Bleed all air from the gas line Ensure appliance is properly grounded. Ensure gas type and pressure is correct. Ensure gas line, meter, and/or regulator is sized properly. Verify parameter setting are set properly. Ensure igniter is operational. Check igniter wiring harness for damage. Check gas solenoid valves for open circuits. Ensure flame rod wire is connected. Check flame rod for carbon build-up. Remove burner cover and ensure burners are properly seated. Check the ground wire for the PCB board.
12 No Flame	<ul style="list-style-type: none"> Check that the gas is turned on at the water heater, meter, or cylinder. Check for obstructions in the flue outlet. If the system is propane, make sure that gas is in the tank. Ensure gas line, meter, and/or regulator is sized properly. Ensure gas type and pressure is correct. Bleed all air from gas lines. Ensure proper venting material was installed. Ensure condensation collar was installed properly. Ensure vent length is within limits. Verify parameter setting are set properly. Check power supply for loose connections. Check power supply for proper voltage and voltage drops. Ensure flame rod wire is connected. Check flame rod for carbon build-up. Disconnect and reconnect all wiring harnesses on unit and PCB board. Check gas solenoid valves for open circuits. Remove burner plate; inspect burner surface for condensation/debris.
14 Thermal Fuse	<ul style="list-style-type: none"> Check for restrictions in air flow around unit and vent terminal. Check gas type of unit and ensure it matches gas type being used. Check for low water flow in a circulating system causing short-cycling. Check for foreign materials in combustion chamber and exhaust piping. Check heat exchanger for cracks or separations. Check heat exchanger surface for hot spots which may be caused by scale build-up. Refer to instructions in manual for flushing heat exchanger. Hard water must be treated to prevent scale build-up or damage to the heat exchanger. Measure resistance of safety circuit. Ensure high fire and low fire manifold pressure is correct. Check for improper gas conversion of product.
15 High Outgoing Temperature	<ul style="list-style-type: none"> Check for restrictions in air flow around unit and vent terminal. Check for low water flow in a circulating system causing short-cycling. Check for foreign materials in combustion chamber and exhaust piping. Check for blockage in the heat exchanger. Check the thermistor sensor and clean sensor of scale build-up.
19 Electrical Grounding	<ul style="list-style-type: none"> Check all components for electrical short.
32 Outgoing Water Temperature Thermistor	<ul style="list-style-type: none"> Check sensor wiring for damage. Measure resistance of sensor. (See Electrical Diagnostics) Clean sensor of scale build-up. Replace sensor if necessary.
33 Heat Exchanger Thermistor	<ul style="list-style-type: none"> Check sensor wiring for damage. Measure resistance of sensor. (See Electrical Diagnostics) Replace sensor if necessary.
34 Combustion Air Temperature Thermistor Fault	<ul style="list-style-type: none"> Check for restrictions in air flow around unit and vent terminal. Check sensor wiring for damage. Measure resistance of sensor. Ensure fan blade is tight on motor shaft and is in good condition. Replace sensor if necessary.
4 Freeze Protection Thermistor	<ul style="list-style-type: none"> Check sensor wiring for damage. Measure resistance of sensor. (See Electrical Diagnostics) Replace sensor if necessary.

*See "Electrical Diagnostics"

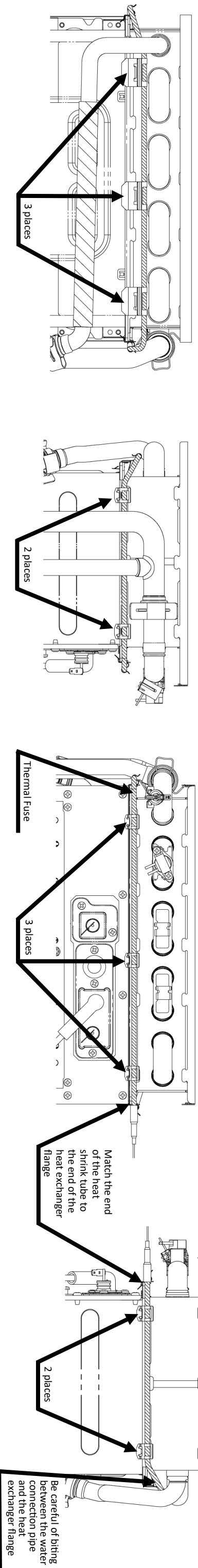
51 Inlet Water Temperature Thermistor	<ul style="list-style-type: none"> Check sensor wiring for damage. Measure resistance of sensor. (See Electrical Diagnostics) Replace sensor if necessary.
52 Modulating Solenoid Valve Signal	<ul style="list-style-type: none"> Check modulating gas solenoid valve wiring harness for loose or damaged terminals. Measure resistance of valve coil.
51 Combustion Fan	<ul style="list-style-type: none"> Ensure fan will turn freely. Check wiring harness to motor for damaged and/or loose connections. Measure resistance of motor winding.
63 Recirculation Low Flow	<ul style="list-style-type: none"> Ensure the inlet water filter is clean and free of debris. Ensure parameter setting are correctly set for recirculation mode. Ensure pump supply voltage. Check the wiring harness to the pump and PCB for damaged and/or loose connections. Ensure air is removed from the recirculation line.
65 Water Flow Servo	<ul style="list-style-type: none"> Measure the resistance values and voltage of the water flow control.* Ensure the harness and connector are not wet. If the voltage from the PCB Board is abnormal, replace the PCB Board; otherwise, replace the water flow servo valve.
66 Bypass Flow Servo	<ul style="list-style-type: none"> Measure the resistance values and voltage of the bypass servo valve.* Ensure the harness and connector are not wet. If the voltage from the PCB Board is abnormal, replace the PCB Board; otherwise, replace the bypass servo valve.
10 PC Board	<ul style="list-style-type: none"> Check the connection harness at the connection on the PCB board. Replace PC board.
71 Solenoid Valve Circuit	<ul style="list-style-type: none"> Ensure dip switch on PCB board is in the OFF position. Check gas solenoid valves for short circuits or grounding. Ensure heater circuit is not grounded. Replace PC board.
72 Flame Sensing Device	<ul style="list-style-type: none"> Verify flame rod is touching flame when unit fires. Check the flame rod and wiring for damage. Remove flame rod; check for carbon build-up; clean with sand paper. Check inside burner chamber for any foreign material blocking flame at flame rod. Check the resistance to the cabinet. If there is no issue with the flame rod or wiring, replace the PCB Board.
75 Water Leak Detected	<ul style="list-style-type: none"> Turn off water supply and contact licensed professional.
LC Scale Build-up in Heat Exchanger (when checking maintenance code history, "00" is substituted for "LC")	<ul style="list-style-type: none"> LC indicates that there is scale build up in the heat exchanger and that the heat exchanger needs to be flushed to prevent damage. Refer to the flushing instructions in the manual. Hard water must be treated to prevent scale build up or damage to the heat exchanger. After flushing, reset LC code as instructed. Please call Rinnai technical department.
55 (S5) Service Soon (Flush Heat Exchanger)	<ul style="list-style-type: none"> S5 is a time-based service indicator set during installation. See section "4.10 Configure Parameter Settings" for additional details on setting and changing the S5 indicator. S5 indicates that it is time for service. The heat exchanger should be flushed to prevent damage (refer to section "6.2 Flushing the Heat Exchanger" for more information). Hard water must be treated to prevent scale build-up or damage to the heat exchanger. To reset the S5 code, push the On/Off button on the temperature controller 5 times in 5 seconds.
NO CODE - Nothing happens when water flow is activated	<ul style="list-style-type: none"> Clean inlet water supply filter. On new installations ensure hot and cold water lines are not reversed. Verify you have at least the minimum flow rate required to fire unit. Check for cold to hot cross over. Isolate circulating system if present. Turn off cold water to the unit, open pressure relief valve; if water continues to flow, there is bleed over in your plumbing. Verify turbine spins freely. Measure the resistance of the water flow control sensor. If the display is blank and clicking is coming from the unit, disconnect the water flow servo motor (GY, BR, O, W, P, BL, R). If the display comes on then replace the water flow servo motor.
FF Maintenance Indicator	<ul style="list-style-type: none"> Placeholder in Diagnostic code history indicating that a service provider performed maintenance or service. Enter this code after performing service by pressing ▲ (Up) / ▼ (Down) and On/Off simultaneously. FF is visible on the monitor.





When replacing the heat exchanger, thermal fuse must be properly installed and secured. Refer to the following illustration. Large HEX is shown as representative.

Thermal Fuse Location



ITEM	DESCRIPTION	PART NUMBER	RE199e	RE180e	RE160e	RE140e	ITEM	DESCRIPTION	PART NUMBER	RE199e	RE180e	RE160e	RE140e	ITEM	DESCRIPTION	PART NUMBER	RE199e	RE180e	RE160e	RE140e
002	Wall Bracket	109900281	2	2	2	2	136	Bedroom	109901278	1	1	1	1	728	Ignitor Bracket	109901296	1	1	1	1
004	Reinforcement Plate	109901248	1	1	1	1	137	Seal Packing	109901280	1	1	1	1	729	Cable Clip	109901297	1	1	1	1
005	Heat Protection Plate	109901249	1	1	1	1	137	Seal Packing - Small	109901281	1	1	1	1	730	Twin Thermistor	105000882	1	1	1	1
006	Front Panel	109901251	1	1	1	1	138	Front Panel Seal Packing	109901282	1	1	1	1	731	Solenoid Harness	105000883	1	1	1	1
007	Front Panel Upper Packing	109901252	1	1	1	1	143	Heat Exchanger Assembly - Small	104000313	1	1	1	1	732	Outside Temperature Thermistor	105000884	1	1	1	1
008	Front Panel Lower Packing	109901253	2	2	2	2	143	Heat Exchanger Assembly - Small	104000315	1	1	1	1	740	Heater	105000966	1	1	1	1
009	Temperature Control	105002010	1	1	1	1	400	Water Filter	107000614	1	1	1	1	742	Over Heat Switch	105000991	1	1	1	1
010	Temperature Control Plate	109900290	1	1	1	1	401	Water Flow Servo & Sensor	105000957	1	1	1	1	743	Heater	105000989	1	1	1	1
013	Thermistor Packing	109900257	1	1	1	1	402	Rectifier	M8D1-35	1	1	1	1	743	Over Heat Switch	105000991	1	1	1	1
016	Earth Plate	109901257	1	1	1	1	403	Bypass Servo Assembly	105000958	2	2	2	2	800	Screw	109901298	4	4	4	4
017	Latch Hook	109901258	1	1	1	1	404	Pipe Bracket	109901284	1	1	1	1	801	Screw	109900649	8	8	8	8
018	Latch	109901259	2	2	2	2	405	Pipe Band	109900018	1	1	1	1	802	Screw	Z8A0409UK	2	2	2	2
019	Clamp Fixing Plate	109901260	2	2	2	2	406	O/D Pipe Bracket	109901285	1	1	1	1	803	Screw	GP-804S2	3	3	3	3
020	Clamp	109901261	2	2	2	2	408	Hot Water Outlet (3/4 NPT)	107000092	1	1	1	1	804	Screw	Z9900203	3	3	3	3
021	Rubber Stop	109900634	1	1	1	1	409	STOP Bracket	109901286	1	1	1	1	805	Screw	109900298	26	26	26	26
022	Rubber Stop	109901262	1	1	1	1	410	Gas Pipe Bracket	109901287	1	1	1	1	806	Screw	109901299	9	9	9	9
100	Gas Control Assembly	106900248	1	1	1	1	411	Bracket	109901287	1	1	1	1	807	Screw	809000179	9	9	9	9
101	Test Port Set Screw	C10D-5	2	2	2	2	412	Filter Assembly	H98-516-5	1	1	1	1	808	Screw	809000177	18	18	18	18
102	3/4 Gas Inlet	106900119	1	1	1	1	413	Cover	107000616	1	1	1	1	809	Screw	U217-449	2	2	2	2
103	Burner Unit Assembly	106900249	1	1	1	1	415	Hot Water Pipe Assembly	107000617	1	1	1	1	810	Screw	109901300	3	3	3	3
104	Burner Unit Assembly - Small	106900250	1	1	1	1	416	Hot and Cold Water Pipe Assembly	107000620	1	1	1	1	811	O-ring	109901301	3	3	3	3
104	Combustion Gasket - Small	109900973	1	1	1	1	417	Cold Water Pipe Assembly	107000620	1	1	1	1	812	O-ring	M108-2-14	3	3	3	3
105	Gas Pipe	109900974	1	1	1	1	418	Clip	1099001288	1	1	1	1	813	O-ring	109900252	2	2	2	2
110	Manifold Assembly - LPG	106900252	1	1	1	1	460	Water Flow Turbine	107000621	1	1	1	1	817	O-ring	109900181	1	1	1	1
110	Manifold Assembly - NG	106900253	1	1	1	1	461	Water Flow Turbine	107000388	1	1	1	1	818	Packing	108900021	4	4	4	4
110	Manifold Assembly - LPG	106900254	1	1	1	1	478	Clip	109900856	1	1	1	1	821	Screw	CP-30583-410UK	2	2	2	2
111	Manifold Assembly - NG	106900255	1	1	1	1	478	Clip	109900856	1	1	1	1	821	Screw	CP-30583-410UK	2	2	2	2
111	Manifold Upper Packing	106900256	1	1	1	1	700	PC Board - Large	105000950	1	1	1	1	823	Screw	Z99000206	19	19	19	19
111	Manifold Upper Packing - Small	106900257	1	1	1	1	700	PC Board - Small 140	105000960	1	1	1	1	823	Screw	Z99000206	19	19	19	19
112	Manifold Lower Packing	106900258	1	1	1	1	702	Cover	105000961	1	1	1	1	824	Screw	109900793	2	2	2	2
112	Manifold Lower Packing - Small	106900259	1	1	1	1	706	Ignitor	109901292	1	1	1	1	828	Screw	109901305	2	2	2	2
113	Top Side Reinforcement	109901264	1	1	1	1	707	High Tension Cord	105000963	1	1	1	1	830	O-ring	M108-13-4	3	3	3	3
116	Electrode	105000953	1	1	1	1	708	Electrode Sleeve	105000964	1	1	1	1	831	O-ring	M108-2-4	3	3	3	3
117	Flame Rod	105000954	2	2	2	2	709	Water Inlet Thermistor	AU206-218	1	1	1	1	834	Screw	109901304	5	5	5	5
118	Flame Rod	109901265	1	1	1	1	710	Heat Exchanger Thermistor	805900081	1	1	1	1	835	Screw	109900648	1	1	1	1
119	Electrode Bracket - Right	109901266	1	1	1	1	711	Clip	105000965	1	1	1	1	836	Screw	109901305	2	2	2	2
120	Electrode Bracket - Left	109901267	1	1	1	1	714	Fuse Holder	105000960	1	1	1	1	888	Manual	109900222	1	1	1	1
123	Electrode Bracket Assembly	105000955	1	1	1	1	715	Fuse Holder	109901295	3	3	3	3	889	Test Sheet	100900335	1	1	1	1
124	Fan Motor / Assembly	105000955	1	1	1	1	716	Heater Clip	109900986	7	7	7	7							
125	Fan Motor	105000955	1	1	1	1	717	Heater Clip	AU124-618X01	3	3	3	3							
126	Fan Gearing	109900128	1	1	1	1	718	Theater Clip	105000956	2	2	2	2							
128	Exhaust Duct Bracket	109901269	1	1	1	1	718	Theater Clip	U259-625	2	2	2	2							
130	Combustion Chamber Bracket	109901270	1	1	1	1	719	Gas Control Harness	105000966	1	1	1	1							
131	Combustion Chamber Bracket - Small	109901272	2	2	2	2	724	Sensor Harness - 2	105000969	1	1	1	1							
135	Fuse Outlet - Small	102000068	1	1	1	1	725	Sensor Harness - 4	105000971	1	1	1	1							
							726	Fuse Harness - 2	105000977	1	1	1	1							
							726	Power Supply Harness - 2	105000979	1	1	1	1							