Rinnai

PERFORMANCE DATA

To Obtain Performance Data:

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



Performance Data Table

				1181-7	-							
#	DATA			UNIT								
01	Water Flo	w Rate			gal/min							
50	Outgoing	Tempera	ture	°F	-							
83	Combusti	on Hours		x100	x100 Hours							
84	Combusti	on Cycles	5	See f	See following information							
85	Fan Frequ	iency		Hz								
06	Additiona	l Control	lers Connected	See f	ollowing information							
87	Water Flo	w Contro	ol Position	0=M	id, 1=Open, 2=Closed							
88	Inlet Tem	perature		°F								
85	Fan Curre	nt		x10 ı	mA							
18	Total Bath	n Fill Amo	ount	gallo	ns							
11	HEX Outle	et Tempe	rature	°F								
15	By-Pass F	low Cont	rol Position	Degr	ees of opening							
14	Intake The (Indoor U		Temperature)	°F								
'n	Freeze Pro (Outdoor		Temperature ly)	°F								
19	Pump Ho	urs		x100	Hours							
50	Pump Cyc	cles		See f	ollowing information							
04	Combustio	n Cycles										
20 I	Pump Cycle	25										
DIS	PLAY		CYCLE	cou	NT							
000 1	to 999	x100 (0	to 99,900)									
10- t	o 99-	x10,000	(100,000 to 990,000)									
¦ t	ю Б	x1,000,0	000 (1,000,000 to 6,000,00	00)								
86 (Controllers	Connecto	ed									
CONTRO	LLER MOD	EL	CONNECTED		NOT CONNECTED							
MC			1		0							
BC			_ _		_0_							
BSC & BS	SC2		¦, 2 (QTY2)		0							
-	display is /D ds on conne		tus of another controller.									

PARAMETER SETTINGS

To Adjust the Parameters:



- 2. Use the \blacktriangle (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 3. controller to change the selection for the setting number. Example: Display will change from 01A to 01b for Maximum Temperature setting (as shown below).
- 4. To exit the parameters, press the "A" button on the PC board for 1 second.





SETTING	SETTING		SELEC	CTION	
#	DESCRIPTION	A	Ь	C	Ь
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)	Recirculation (Crossover)	
05	Recirculation Mode	Economy	Comfort		
06	Control Switch	BMS	Air Handler (AH)		
רם	Units in Standby	2	1		
10	Gas Type (Factory Set)	LPG	NG		
15	Water Heater Model	Without Pump	With Pump		
13	(Factory set values and	199/160			
14	` not adjustable)	Indoor	Outdoor		
15	Low Activation Mode	On	Off		
16	Pump Speed	Max	High	Medium	Low
חו	Continuous Recirc Logic Operation	Off	On		
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		

MANIFOLD PRESSURE SETTINGS

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 test port 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 "B" button. "IF" will appear on the display.
- Push and hold "A" button. "Forced Low" will appear on the display. 10.
- 11. Push and hold "A" button again. "Forced High" will appear on the display.
- 12. 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.
- 13. To exit "Forced Low" or "Forced High", push and hold "B" button. "2L" will appear on the display. 14. Push and hold "B" button again. "3C" will appear on the display. (Indoor models only)
- 15. Push and hold "B" button again. "4t" will appear on the display. 16. Push and hold "B" button again. The set temperature will appear on the display (indoor
- models only). 17. Close hot water taps.
- 18. Turn off the gas supply and 120 V power supply.
- 19. Remove the manometer and re-install sealing screw.
- 20. Turn on the gas supply and 120 V power supply.
- Operate the unit and check for gas leaks. 22. Install the front panel.

Rinnai America Corporation continually updates materials, and as such, content is subject to change without notice. For further information, contact Rinnai at 1-800-621-9419 or visit www.rinnai.us

ELECTRICAL DIAGNOSTICS

Important Safety Notes

Freeze Protection

fuse. Remove the fuses and check continuity through it. If you have then it is functioning. Otherwise the fuse is blown and must be repl

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

Electrical Circuit Table

COMPONENT	WIRE COLOUR	VOLTAGE
Power Supply	Black-White	AC108~132V
Flame Rod	Yellow-Body	more than 0.5VAC
Traine Rou	Pink-Body	more than 0.5VAC
Spark Electrode	White-Black	11~14VDC*
	Red-Black	7~48VDC*
Combustion Fan	White-Black	2~14VDC*
	Yellow-Black	11~14VDC
	Red-Pink	N1/A
	Blue-White	N/A
Water Flow Control Device	Orange-Grey	11~14VDC
	Brown-Grey	limitter On: less than 1VDC limitter Off: 4 \sim 6VDC
By-Pass Flow	Red-Pink	
Control Device (RE199, RE180 model only)	Blue-White	N/A
Main Solenoid Valve	Black-Black	8~13.5VDC
Modulating Solenoid Valve	Yellow-Yellow	2~17VDC*
Solenoid Valve 1	Blue-Black	8~13.5VDC
Solenoid Valve 2	Yellow-Black	8~13.5VDC
Solenoid Valve 3	Red-Black	8~13.5VDC
Solenoid Valve 4 (RE/REP199, RE180 model only)	Orange-Black	8~13.5VDC
Outgoing Water	White-White	
Thermistor	White-White	
Inlet Thermistor	White-White	
Heat Exchanger Thermistor	White-White	
Intake Thermistor (Indoor type only)	White-White	N/A
Freeze Protection Thermistor (Outdoor type only)	White-White	
Overheat Switch	Black-Black	less than 1VDC
	Red-Black	11~14VDC
Water Flow Sensor	Yellow-Black	4~7VDC* Comment: more than 6Hz (1.0L/min)
Integrated Pump	White-Black	AC108~132V
(Integrated Pump type only)	Red-Brown	11~14VDC*
External Pump (Except for integrated pump and RE140 model)	White-Black	AC108~132V*
Additional Controller(s)	White-White	11~14VDC
Thermal Fuse	White-White	less than 1VDC

Parameter Settings Table

16	Water Heater Model	Without Pump	With Pump		
13	(Factory set values and	199/160			
14	not adjustable)	Indoor	Outdoor		
15	Low Activation Mode	On	Off		
16	Pump Speed	Max	High	Medium	Low
I٦	Continuous Recirc Logic Operation	Off	On		
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		
Note: Fr	or additional installation a	nd commissioning	information refe	r to the Installation	and Operation
Manual		ia commissioning	internation, rere		

This appliance must be installed, serviced and removed by a trained and warning under the first de listalieu, serviceu and removed by a damed and qualified person. During pressure testing of the consumer piping, ensure gas valve is turned off before unit is shut off. Failure to do so may result in serious njury to yourself or damage to the unit.

Commissioning

With all gas appliances in operation at maximum gas rate, the following inlet gas pressure at the incom-ing test point on the Rinnai water heater should read 4 in. W.C. - 10.5 in. wc on natural gas and 8 in. wc -13.0 in. wc on propane gas. If the pressure is lower, the gas supply is inadequate and the unit will not operate to specification. Check the gas meter regulator and pipework for correct operation/sizing and correct as required.

2			Maximum	Gas Supp	y Pressure	(FL) For	ced Low	(FH) Forced High					
-	Model #	Vent	Water	Min.	/Max.	NG	LPG	NG	LPG				
ie	#	Length	Pressure	NG	LPG	inH2O(wc)	inH2O(wc)	inH2O(wc)	inH2O(wc)				
	DED400.	Short				0.72	0.98	2.56	4.24				
	REP199i	Long				0.71	1.00	2.39	3.92				
	REP160i	Short	150 PSI	4.0/10.5	8.0/13.0	0.73	0.96	2.49	4.31				
		Long				0.74	0.96	2.55	4.48				

							U356-0755-3x03((I/P)
ELECTR	ICAL DI	IAGNOSTICS				DIAGNOSTIC CODES	Visit www.rinnai-Ims.com for additional troubleshooting resources
NOTE: Wiring diag		n manual and on the inside fr	ont cover.			To Display Diagnostic Codes:	۵ (۲۰°C) ۴۲/°C
There are a numb product. Proceed water heater. Only Before checking for item from the circ Freeze Protection This unit has freez	er of (live) tests ru with caution at al y trained and qua or resistance read uit (unplug it). e protection heat	equired when performing elect Il times to avoid contact with Ilified service technicians shou lings, disconnect the power so ters mounted at different poin	energized component ild attempt to repair t burce to the unit and is nts to protect the wate	s inside the his product. solate the		 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 simultaneous 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 the ▲(Up) button simultaneously. Turn on the water heater by pressing the "On/Off" button. 	
Flame Rod Place one lead of y	your meter to the	isplay a positive resistance rea e flame rod and the others to a ad more than 0.5VAC.	C C	t is		Air Supply or Exhaust Blockage Ensure approved venting materials are being used.	Inlet Water Temperature Thermistor Check sensor wiring for damage.
fuse. Remove the	fuses and check of	d on the PC Board, one inline continuity through it. If you ha e fuse is blown and must be re	ve continuity through			 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. 	 Measure resistance of sensor. (See Electrical Diagnostics) Replace sensor if necessary. Modulating Solenoid Valve Signal Check modulating gas solenoid valve wiring harness for loose or damaged terminals. Measure resistance of valve coil.
Check all thermist meter to the 20 K the resistance. Ap	scale and read re plying ice to the t	neter leads into each end of th isistance. Applying heat to the chermistor bulb should increase peratures and resistance read	e thermistor bulb shou se the resistance.			 No Ignition (Heater Not Turning On) 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. 	 Combustion Fan Ensure fan will turn freely. Check wiring harness to motor for damaged and/or loose connections. Measure resistance of motor winding. Recirculation Low Flow
	Tempera 59°F	ture Resistance Read 11.4 - 14KΩ	lings			 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 the inlet water filter is clean and free of debris. Ensure parameter setting are correctly set for recirculation mode. Ensure pump supply voltage. Ensure pump speed parameter settings are set properly. Check the wiring harness to the pump and PCB for damaged and/or loose
	86°F 113°F 140°F	6.4 - 7.8KΩ 3.6 - 4.5KΩ 2.2 - 2.7KΩ				 Ensure flame rod wire is connected. Check flame rod for carbon build-up. Remove burner cover and ensure burners are properly seated. Remove burner plate; inspect burner surface for condensation/debris. Check the ground wire for the PC board. 	 connections. Ensure air is removed from the recirculation line. 55 Water Flow Servo Measure the resistance values and voltage of the water flow control.* Ensure the harness and connector are not wet.
Electrical Circ	221°F	0.6 - 0.8ΚΩ				 No Flame 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. 	 If the voltage from the PC Board is abnormal, replace the PC Board; otherwise, replace the water flow servo valve. Bypass Flow Servo Measure the resistance values and voltage of the bypass servo valve.* Ensure the harness and connector are not wet.
OMPONENT	Black-White	VOLTAGE	RESISTANCE	PC Connector CN100	1	 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. 	 If the voltage from the PC Board is abnormal, replace the PC Board; otherwise, replace the bypass servo valve. PC Board
lame Rod	Yellow-Body Pink-Body White-Black	more than 0.5VAC more than 0.5VAC 11~14VDC*	N/A N/A N/A N/A	CN9 CN7 CN9	1-3 37 1 5-8	 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 the connection harness at the connection on the PC board. Replace PC board. Solenoid Valve Circuit
Combustion Fan	Red-Black White-Black Yellow-Black	7~48VDC* 2~14VDC* 11~14VDC	N/A N/A N/A	CN9 CN9 CN9	1-3 2-3 4-3	 Check flame rod for carbon build-up. Disconnect and reconnect all wiring harnesses on unit and PC board. Check gas solenoid valves for open circuits. Remove burner plate; inspect burner surface for condensation/debris. 	 Ensure dip switch on PC board is in the OFF position. Check gas solenoid valves for short circuits or grounding. Ensure heater circuit is not grounded. Replace PC Board. P2 Flame Sensing Device
Water Flow Control Device	Red-Pink Blue-White Orange-Grey	N/A 11~14VDC imitter On: less than 1VDC	40~60Ω N/A	CN9 CN9 CN9	21-19 25-23 6-13	 Thermal Fuse 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. 	 Verify flame rod is touching flame when unit fires. Check the flame rod and wire 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.
By-Pass Flow Control Device (RE199, RE180 model only)	Brown-Grey Red-Pink Blue-White	limitter Off:4~6VDC N/A	N/A 40~60Ω	CN9 CN9 CN9	17-13 29-27 33-31	 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 the resistance to the cabinet. If there is no issue with the flame rod or wiring, replace the PC Board. Water Leak Detected Turn off water supply and contact licensed professional. Scale Build-up in Heat Exchanger (when checking maintenance code history, "00" is
Main Solenoid /alve Modulating solenoid Valve	Black-Black Yellow-Yellow	8~13.5VDC 2~17VDC*	15~25Ω 10~20Ω	CN9 CN9	18-32 12-14	Check for improper gas conversion of product. High Outgoing Temperature Check for restrictions in air flow around unit and vent terminal.	 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
iolenoid Valve 1 iolenoid Valve 2 iolenoid Valve 3	Blue-Black Yellow-Black Red-Black	8~13.5VDC 8~13.5VDC 8~13.5VDC	20~30Ω 20~30Ω 20~30Ω	CN9 CN9 CN9	24-22 26-22 28-22	 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. 	 After flushing, reset LC code as instructed. Please call Rinnai technical department. 55 (SS) Service Soon (Flush Heat Exchanger)
olenoid Valve 4 RE/REP199, E180 model only) Dutgoing Water	Orange-Black White-White	8~13.5VDC	20~30Ω 59°F: 11.4-14kΩ	CN9 CN7	30-22 11-13	Electrical Grounding Check all components for electrical short. Outgoing Water Temperature Thermistor	 55 is a time-based service indicator set during installation. See section "4.10 Configure Parameter Settings" for additional details on setting and changing the 55 indicator. 55 indicates that it is time for service. The heat exchanger should be flushed to
hermistor Ilet hermistor eat Exchanger hermistor	White-White White-White White-White		86°F: 6.4-7.8kΩ 113°F: 3.6-4.5kΩ 140°F: 2.2-2.7kΩ 221°F: 0.6-0.8kΩ	CN7 CN7 CN7	4-5 9-6 8-4	 Check sensor wiring for damage. Measure resistance of sensor. (See Electrical Diagnostics) Clean sensor of scale build-up. Replace sensor if necessary. 	 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 55 code, push the On/Off button on the temperature controller 5 times in 5 seconds. NO CODE - Nothing happens when water flow is activated
ntake hermistor ndoor type only)	White-White	N/A	Disconnect the con- nector and measure at thermistor side.	CN7	12-6	Heat Exchanger Thermistor Check sensor wiring for damage. Measure resistance of sensor. (See Electrical Diagnostics) 	 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
reeze rotection hermistor Dutdoor type nly)	White-White		32°F: 38k-43k 50°F: 22k-26k 68°F: 14k-17k Disconnect the con- nector and measure at thermistor side.	CN7	10-6	Replace sensor if necessary. Combustion Air Temperature Thermistor Fault Check for restrictions in air flow around unit and vent terminal. Check sensor wiring for damage.	 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.
verheat Switch	Black-Black Red-Black	less than 1VDC	less than 1Ω	CN9 CN9	10-16 7-11	 Measure resistance of sensor. Ensure fan blade is tight on motor shaft and is in good condition. Replace sensor if necessary. 	FF Maintenance Indicator Placeholder in Diagnostic code history indi- Placeholder in Diagnostic code history indi-
Nater Flow Sensor	Yellow-Black	4∼7VDC* Comment: more than 6Hz (1.0L/min)	N/A	CN9	9-11	 Freeze Protection Thermistor Check sensor wiring for damage. Measure resistance of sensor. (See Electrical Diagnostics) 	 Induction of the performed maintenance or service. Enter this code after performing service by pressing ▲ (Up), ▼ (Down) and On/Off simultaneously. FF is visible on the monitor.
ntegrated Pump Integrated Pump Type only)	White-Black Red-Brown	AC108~132V 11~14VDC*	N/A N/A	C101 CN8	1-2 1-2	Replace sensor if necessary. *See "Electrical Diagnostics"	FF is visible on the monitor.
External Pump Except for Integrated pump and RE140 model)	White-Black	AC108~132V*	N/A	C101	1-2	*See "Electrical Diagnostics"	3
Additional		11~14VDC	N/A	CN4	1-3		

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Non- transmission Non- transmission <	137	136	133	133	132	132	126	124	123	122	121	120	119	117	116	113	112	112	111	110	110	110	105	104	104	103	102	101	023	020	019	018	017	016	010	600	800	007	006	004	BITEM
All a la	Seal Packing	Fan Bracket	Combustion Chamber Bracket - Left Small	Combustion Chamber Bracket - Left	Combustion Chamber Bracket - Right Small	Combustion Chamber Bracket - Right	Fan Casing	Fan Motor Assembly	Electrode Bracket Assembly	Tube H	Back Pressure Connector	Flectrode Bracket - Left	Electrode Bracker - Right	Flame Rod	Electrode	Top Side Reinforcement	Manifold Lower Packing - Small	Manifold Lower Packing	Manifold Upper Packing - Small	Manifold Assembly - NG	Manifold Assembly - LPG	Manifold Assembly - NG	Gas Pipe	Combustion Gasket - Small	Combustion Gasket	Burner Unit Assembly Burner Unit Assembly - Small	3/4 Gas Inlet	Gas Control Assembly Test Port Set Screw	Combustion Chamber Stay	Rubber Stop	Clamp Fixing Plate	Latch	Latch Hook	Earth Plate	Temperature Control Plate	Temperature Control	Front Panel Lower Packing	Front Panel Upper Packing	Front Panel	Reinforcement Plate	DESCRIPTIO
Image: state		-	_	-	109001274	_	_	_				_					106000259		_	_	106000254	_		109000974	109000973 1			_	_		+			_							
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Index sum (Index sum	_		701	700	482	481		479	478	4/b	475						461			415	413	411 412	410	409	408	405	402		_		152	151	151		_		145			141	ITEM
1 1	Lover		Pump Circuit	PC Board - Large	Drain Plug	Water Supply Connection	Check Valve	Joint Connection with Check Valve	Clin	Pump Outlet Pipe	Pump Connection	Clip	Clip	Pump Fixing Stand	Anti-vibration Stand	Recirculation Pump	Water Flow Turbine	Clip	Hot and Cold Water Pipe Assembly	Hot and Cold Water Pipe Assembly	Cover	Bracket Filter Assembly	Gas Pipe Bracket	Stop Bracket	Hot Water Outlet (3/4 NPT)	0/16 Dine Bracket	Rectifier	Water Flow Servo & Sensor	Duct Packing Lower - Small	Duct Packing Lower	Duct Packing Upper	Air Inlet Assembly - Small	Air Inlet Assembly	Cap Parking	Pipe Seal	O-ring	Inlet Seal	Flue Connection Assembly	Heat Exchanger Assembly - Small	Duct Bracket - Small Heat Exchanger Assembly	DESCRIPTIO
1 1	767T0060T	100001202	105000900	105000959	107000058	107000626	107000134	109001291	109000636	107000624	107000623	109000639	109000132	109001290	109001289	107000622	107000088	109000248	107000619	107000618	107000093	109001287 H98-510-S	109000635	109001286	107000092	109000018	M8D1-15	107000615	102000075	102000074	102000072	108000127	108000126	1090001/1	109001283	108000018	108000017	108000068	104000314	104000312	PART NUMBER
Participant Interactivity Control Contr	_		_	_	- 1 - 1						_					_	_	_	_	4		_	1		1 F	_	2 2		1		_	1	י בי י		-					1 ~	
Inter Para Description Para Bellence Grid 10000095 1	825	824	823	821	820	×10 818	813	812	811	810	809	000	908 908	805	804	803	802	801	743 800	742	740	733	731	730	729	726	725	724 725	724	721 / 20	719	717	716	714 715	711	710	709	708	707	704	ITEM
Image: space	Screw	Screw	Screw	Screw	Screw	Packing	O-ring	O-ring	O-ring	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Over Heat Switch	Heater	Heater	Solenold Harness - Small Pump Harness	Solenoid Harness	Twin Thermistor	Ginor practice	Power Supply Harness - 3	Fuse Harness - 2	Sensor Harness - 7 Fuse Harness - 1	Sensor Harness - 5	Power Cord Assembly Intake Air Thermistor	Gas Control Harness	Heater Clip	Heater Clip	Fuse Holder	Clip	Heat Exchanger Thermistor	Water Inlet Thermistor	Electrode Sleeve	High Tension Cord	Pump Circuit Plate	DESCRIPTIC
A 1	109001302	109000793	209000206	CP-20883-410UK	108000021	109000181	MIUB-2-14	M10B-2-16	109001301	109001300	U217-449	6/TOOO608	1090001799	109000598	209000203	CP-80452	ZBA0408UK	109000649	105000991	105000988	105000986	105000985	105000983	105000982	109001297	105000980	105000977	105000974	105000972	105000967	105000966	109000795	AU124-618X01	109001295	105000090	105000965	805000081	AU206-218	105000964	1050001294	PART NUMBER
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Thermal Fuse Location

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