

OWNER'S MANUAL

ROUND GAS COUNTER TILTING SKILLET

MODEL: R-1600G



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IMPORTANT NOTES FOR INSTALLATION AND OPERATION

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

WARNING: Improper installation, operation, adjustment, alteration, service or maintenance can cause property damage, injury or death.

Read the installation, operating and maintenance instructions thoroughly before installing, operating or servicing this equipment.

Keep the appliance area free and clear from combustibles.

Do not obstruct the flow of combustion and ventilation air.

Adequate clearances must be maintained for servicing and proper operation.

This manual should be retained for future reference.

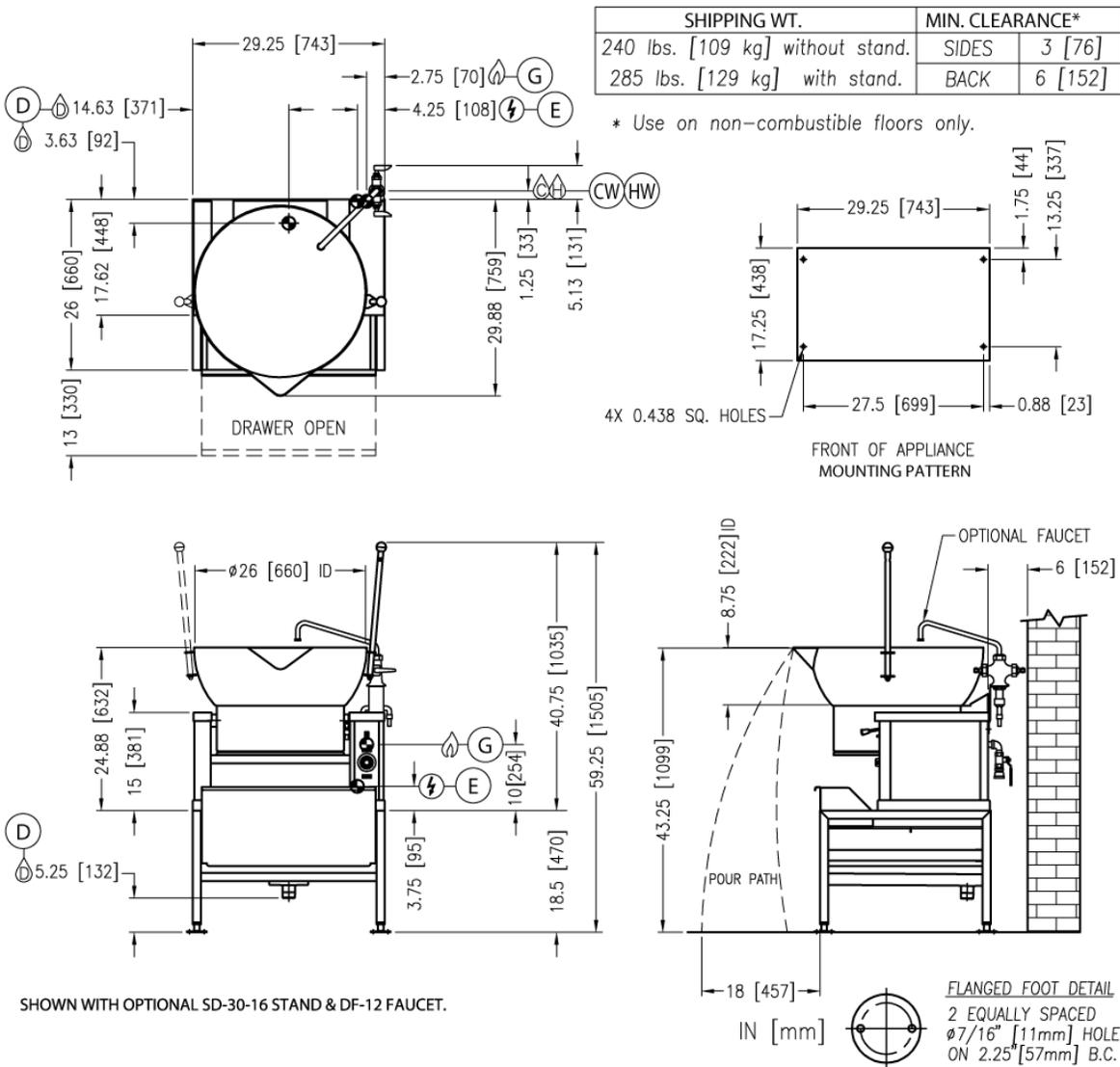
WARNING: For your safety do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

PURCHASER: Instructions to be followed in the event that the operator of this appliance smells gas must be posted in a prominent location. This information shall be obtained by consulting the local gas supplier.

Contact the factory, the factory representative or a local service company to perform maintenance and repairs should the appliance malfunction. Refer to warranty terms.

INSTALLATION INSTRUCTIONS

MODEL	SERVICE CONNECTIONS	BTU/HR.	kW/HR.
R-1600G	E ⚡ Unless otherwise specified, Field Wire Electrical Connection to be 120 Volts, 60 Hz. single phase with grounding wire. Unit furnished with 8' cord and 3 prong plug. Total max. amps 2.0.	30,000	8.8
	G ⚠ GAS CONNECTION: Supply gas through 1/2" pipe. NATURAL 7" - 14" W.C. (178mm - 355mm W.C.) PROPANE 11" - 14" W.C. (280mm - 355mm W.C.) Contact manufacturer for installation over 2,000 ft. elevation.		
	D ⚠ DRAIN CONNECTION: 1-1/2 NPT drain connection on optional stand.		
	CW ⚠ COLD WATER: 3/8" O.D. tubing to faucet (OPTIONAL)		
	HW ⚠ HOT WATER: 3/8" O.D. tubing to faucet (OPTIONAL)		



Installation

Installation must conform with local codes, or in the absence of local codes, with the *National Fuel Gas Code, ANSI Z223.1/NFPA 54*, or the *Natural Gas and Propane Installation Code, CSA B149.1*, as applicable.

1. The appliance and its individual shut off valve must be disconnected from the gas supply piping system during any pressure testing of that system at pressures in excess of 1/2 psi (0.035 kg/cm^2).
2. The appliance must be isolated from the gas supply piping system by closing its individual manual shut off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psi (0.035 kg/cm^2).

Electrical grounding must be provided in accordance with local codes, or in the absence of local codes, with the National Electric Code ANS1/NFPA 70, or the Canadian Electrical Code, CSA C22.2, as applicable.

Ventilation must be provided in accordance with local codes, or in the absence of local codes, with ANSI/SFPA 96 Standard for Ventilation and Fire Protection of Commercial Cooker Operations.

WARNING: Electrical grounding instructions - units equipped with a three-prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug. (120 volt units only).

WARNING: Never use an open flame to check for gas leaks. Check all connections for leaks using soapy water before use.

1. Ideally an exhaust system should be located directly above the appliance to remove combustion gases and steam generated by the unit.
2. Appliance is intended for use on noncombustible floors but may be installed on combustible floors provided it is installed on the optional 18" stand, model SD-30-16. Minimum clearance from combustible and noncombustible wall construction, 3" (76 mm) on sides and 6" (152 mm) from back.
3. Set the appliance in place and level using spirit level.
4. Appliance location must allow air supply to unit and obstruction free clearance for air opening into the combustion chamber.
5. Make service connections as indicated.

OPERATING INSTRUCTIONS

WARNING: In the event of main burner ignition failure, a 5 minute purge period must be observed prior to re-establishing ignition source.

WARNING: In the event you smell gas, shut down equipment at the main shut off valve and contact the local gas company or gas supplier for service.

CAUTION: The appliance and its parts are hot. Use care when operating, cleaning and servicing the appliance.

1. Open manual gas shut off valve located on back of right-hand console facing front of unit.
2. Ensure skillet pan is in the down position.
3. Turn power switch ON. Set thermostat dial to desired setting. RED pilot light will come ON.
4. This will turn on electronic ignition. When the glow coil has reached temperature, the gas solenoid valve will open, supplying gas to the burner. GREEN pilot light will come ON.
5. Gas in burner is ignited by the glow coil.
6. When ignition is complete, the flame sensor signals the controller to shut off the glow coil.
7. When the skillet has reached set temperature, the pilot lights will go off and the burner will shut off. The unit will cycle "ON" and "OFF" to maintain set temperature.
8. Turn power "OFF" and thermostat "OFF" when skillet not in use.

NOTICE: If gas supply is interrupted during operation, a five minute period of complete shut off of gas supply is required before restarting.

TO TILT SKILLET

1. Lift lid.
2. Pull handle forward slowly to desired position. Do not release handle as pan will fall forward and could cause hot product to splash operator.

NOTE: When the pan is tilted a safety switch will automatically turn off gas supply. The skillet will not operate once the pan has been tilted.

3. To return pan to down position, push handle up until pan rests on support.
4. DO NOT ATTEMPT TO TILT PAN WITH LID ON.

MAINTENANCE

PERIODIC MAINTENANCE

NOTICE: Contact the factory, the factory representative or local service company to perform maintenance and repairs.

NOTICE: As a safety precaution, disconnect the power supply during cleaning or servicing.

CLEANING

CAUTION: Do not use cleaning agents that are corrosive.

The gas fired tilting skillet should be cleaned after each use.

1. Keep exposed cleanable areas of unit clean at all times.
2. Thoroughly wash pan and lid. If necessary soak pan to remove product that is stuck to pan surface. Use mild detergent and water.
3. Clean around burner air mixer and orifice if lint has accumulated. Bottom cover must be removed to clean this area.
4. Rinse entire unit and dry. Do not get water in electrical box or any electrical component.

ADJUSTMENTS

WARNING: At least twice a year, have an authorized service person clean and adjust the unit for maximum performance.

All units are adjusted at the factory. In case of problems in operation at initial installation, check type of gas and manifold pressure and compare it with information on rating plate.

TROUBLESHOOTING

Burner does not come on:

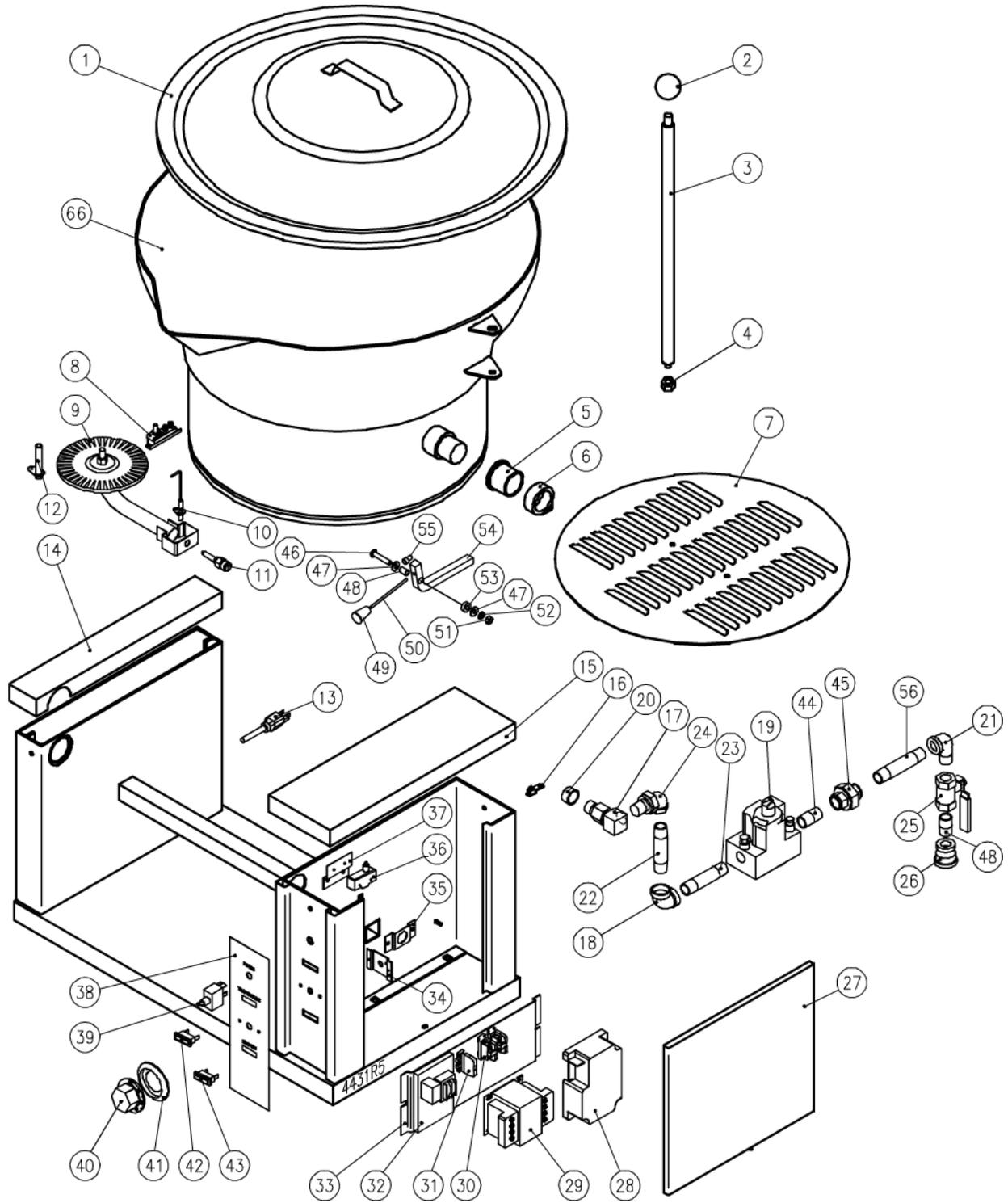
1. Gas supply to unit is "OFF".
2. Manual shut off valve is "OFF."
3. Thermostat is not turned "ON."
4. Pan not in lowest position.
5. Glow coil not functioning.

Burner produces carbon deposits:

1. Wrong orifice size.
2. Increase primary air. Clean air opening.
3. Wrong gas supply.
4. Incorrect pressure at supply.

PARTS LIST

NEW EXPLODED VIEW, AFTER 11/2012



ITEM	MARKT FORGE PART NO.	DESCRIPTION	QTY.
1	97-5995	Pan Cover	1
2	97-5337	Knob - Red	1
3	97-5778	Handle	1
4	97-5116	Acorn Nut, 3/8 - 16	1
5	97-5997	Bearing	2
6	97-6012	Actuator Collar	1
7	97-6013	Bottom Cover	1
8	97-6015	High Limit Thermo Switch	1
9	97-7211	Burner	1
9A	97-5584	Hex Nut, 3/8-16	1
10	97-6016	Sensor	1
11	97-6017	Orifice, Natural Gas	1
	97-6018	Orifice, LP	1
	97-6018	Orifice, Propane	1
12	97-6019	Glow Coil	1
13	97-5702	Cord Set, 120V	1
14	97-6020	Left Hand Console Cover	1
15	97-6021	Right Hand Console Cover	1
16	97-5052	Ground Lug	1
17	97-5851	Gas Swivel Joint Assembly	1
18	97-5857	Elbow, 1/2" NPT	1
19	97-7208	Combination Control Valve	1
20	97-6518	Actuator Collar**	1
21	97-5856	Street Elbow, 1/2" NPT	1
22	97-7209	Nipple, 1/2" x 3" NPT	1
23	97-7210	Nipple, 1/2" x 3-1/2" NPT	1
24	09-4884	Union Elbow, 1/2"	1

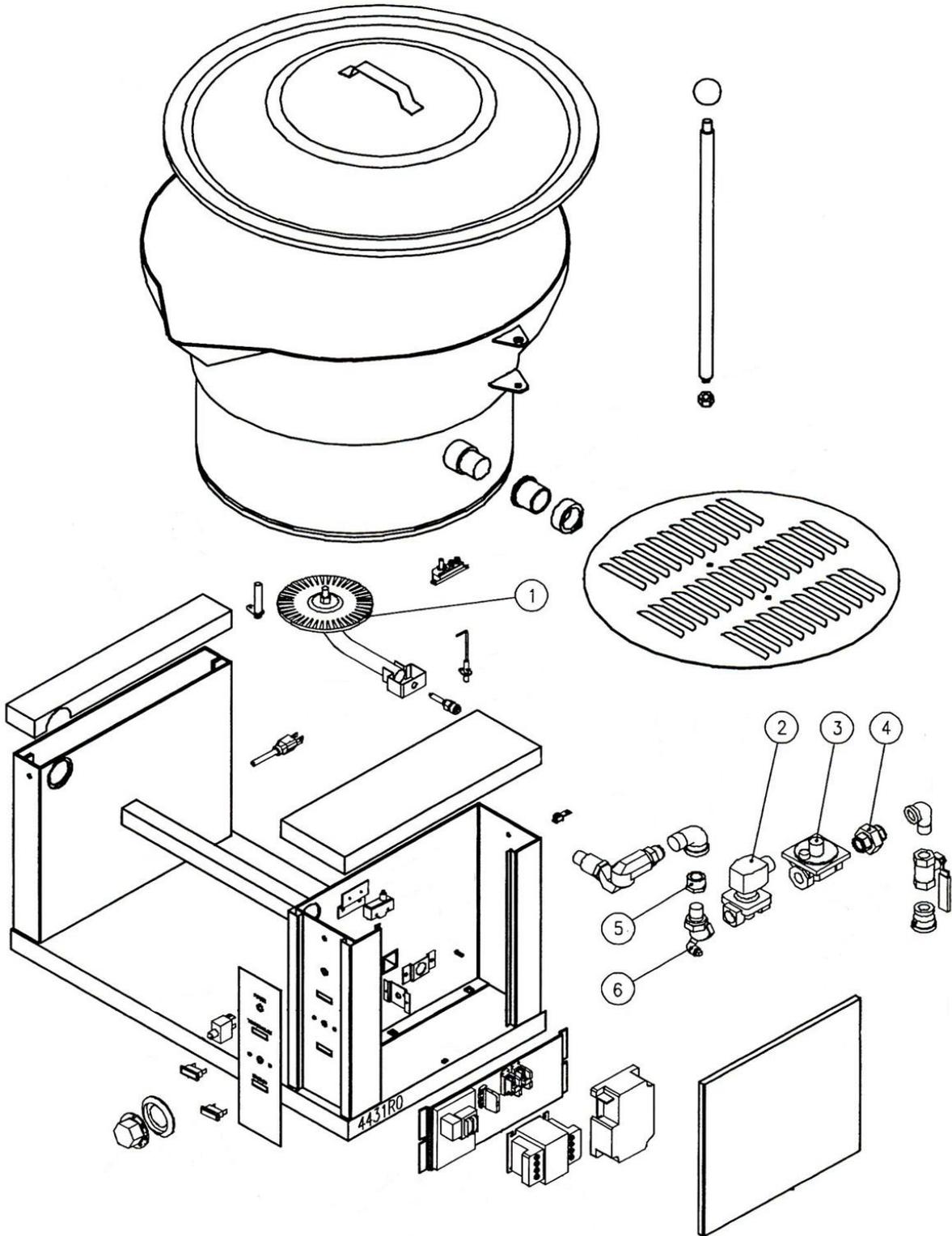
25	97-5847	Ball Valve, 1/2" NPT	1
26	97-5859	Reducer Coupling	1
27	97-6027	Access Panel	1
28	97-6028	Ignition Module, HSI, 8.5 Seconds	1
29	97-6029	Transformer	1
30	10-6963	Terminal Block Section	2
31	10-6962	Terminal Block, End Section	1
32	97-6030	Thermostat c/w Potentiometer, 120V**	1
	97-6031	Thermostat c/w Potentiometer, 240V	1
33	97-6032	Component Mounting Plate	1
34	97-6033	Potentiometer Spacer	1
35	97-6034	Retaining Bracket	1
36	97-5414	Limit Switch	1
37	97-6035	Switch Mounting Bracket	1
38	97-6036	Control Label	1
39	97-6008	Power Switch	1
40	97-6037	Dial Assembly (°F)**	1
	97-6038	Dial Assembly (°C)	1
41	97-5012	Bezel	1
42	97-5709	Pilot Light - Red, 120V	1
43	97-5719	Pilot Light - Green, 28V	1
44	98-6111	Nipple, 1/2" NPT x 1-1/2"	1
45	97-5490	Union, 1/2"	1
46	97-7212	Pan Head Screw, 1/4" - 20 x 1-1/2"	1
47	98-6086	Flat Washer, 1/4"	2
48	97-7213	Bushing	1
49	97-6774	Knob	1
50	97-7214	Handle Bar	1
51	97-6585	Hex Nut, 1/4" - 20 UNC	1
52	97-7215	Split Lock Washer, 1/4"	1
53	97-7216	Spacer	1
54	97-7217	Stop Bar	1
55	97-7218	Socket Head Screw, 1/4" - 20 x 3/8"	1

56	97-7219	Nipple, 1/2" x 4"	1
*57	97-6039	Wire Harness for 9024-1, HSI Module	1
*58	97-5852	Terminal Block, 6 Pole	2
*59	97-6040	Thermocouple Extension	1
*60	97-6041	Thermocouple	1
*61	97-6042	Operation Label (English)	1
	97-7220	Operation Label (French)	1
*62	97-6043	Rotary Shaft Seal	1
*63	97-5864	Fuse Holder (120V Units)**	1
	97-5864	Fuse Holder (208-240V Units)	2
*64	98-6146	Fuse, 2 Amp, 250V (120V Units)**	1
	98-6140	Fuse, 1 Amp. 250V (208-240V Units)	2
*65	97-7221	Cover, High Limit & Thermocouple	1
*66	97-6011	Pan Assembly	1

* *NOT SHOWN.*

** *SELECT AS REQUIRED.*

OLD EXPLODED VIEW, BEFORE 11/2012



OLDER EXPLODED VIEW, BEFORE 11/2012

ITEM	PART NO.	DESCRIPTION	QTY.
1	97-6015	Burner	1
2	97-6002	Gas Solenoid	1
3	97-6023	Gas Regulator, Natural	1
	97-6024	Gas Regulator, LP	1
4	97-5490	Union, 1/2"	1
5	97-6025	Reducing Bushing, 3/4"-1/2"	1
6	97-6026	Union Elbow Assembly	1