



**OWNER'S MANUAL
INSTRUCTIONS- INSTALLATION-OPERATION-MAINTENANCE**

RADIANT BROILER

SRRB-12, SRRB-24, SRRB-36, SRRB-48, SRRB-60, SRCB-24, SRCB-36 , SRCB-48

****READ THIS MANUAL IN IT'S ENTIRELY BEFORE USING THIS EQUIPMENT****





All equipment manufactured by SIERRA CORP. is for use with the type of gas specified on the rating plate and for installation will be in accordance with National Fuel Gas Code ANSI Z223.1 (latest edition)

IMPORTANT: Installing, Operating and Service Personnel:

Qualified, certified licensed and/ or authorized personnel who are familiar with and experience in state/local installation codes should perform installation of the equipment. Qualified or authorized personnel who have read this manual and are familiar with the functions of the equipment should perform operation of the equipment.

Qualified personnel who are knowledgeable with Sierra equipment should perform service of the equipment.

The BTU input rating on all equipment is calibrated for elevations up to 2,000 feet above sea level. All orifice drill sizes are referenced for operation at or below this altitude. For operation at elevations above 2,000 feet, the BTU rating must be reduced 4% for each 1,000 feet of elevation or the orifice drill size must be changed appropriately. For high altitude drill sizes, call your local gas company or Factory Authorized Service Center

All units are equipped with fixed orifices and cannot be adjusted. If converting the gas appliance from natural to propane, or vice versa, all orifices and the regulator must be changed. The correct type of gas, for which the unit is configured, is noted on the name plate. The type of gas specified **MUST** be used. For proper conversion, contact a qualified service technician or your Factory Authorized Service Center.

INSTALLATION INSTRUCTIONS

Gas pressure regulator provided with the equipment must be installed when the appliance is connected to gas supply. The area around the appliance must be kept free and clear of combustibles such as solvents, cleaning liquid, broom, rags, etc. Proper clearances must be provided at the front of the appliance for servicing and proper operation.



Provisions shall be incorporated in the design of the kitchen, to ensure adequate supply of fresh air and adequate clearance for air openings into the combustion chamber, for proper combustion, and ventilation. For proper operation of the appliance, do not obstruct the flow of combustion and ventilation air.

The installation must conform with local codes, or in the absence of local codes, to the national fuel gas code, ANSI Z223.1 (or latest addenda). The Appliance and its individual shut off valve must be disconnected from the gas supply piping system during any pressure testing of that system in excess of ½ PSI (3.45Kpa).

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 ½ PSI (3.45Kpa).

The gas supply line must be at least the same size as the gas inlet of the appliance.

FLEXIBLE COUPLINGS, CONNECTORS AND CASTERS

For an appliance equipped with casters the installation shall be made with a connector that complies with the Standard for Connectors for Movable Gas Appliances, ANSI Z21.69 or Connectors for Moveable Gas Appliances, CAN/CGA-6.16, and a quick

–disconnect device that complies with the standard for Quick Disconnect Devices for Use with Gas Fuel, ANSI Z21.41, or Quick Disconnect Devices for Use with Gas Fuel, CANI-6.9. Adequate means must be provided to limit the movement of the appliance without depending on the connector and the quick-disconnect device or its associated piping to limit the appliance movement.

Restraining devices may be attached to the back frame/panel of the unit.

All Sierra appliances are adjusted and tested before leaving the factory, effectively matching them to sea level conditions. Adjustments and calibrations to assure proper operation may be necessary on installation to meet local conditions; low gas characteristics, to correct possible problems caused by rough handling or vibration during shipment, and are to be performed only by qualified service personnel. These adjustments are the responsibility of the customer and/or dealer and are not covered by our warranty. Before lighting any pilots, make sure that burner valves and thermostats are turned “off”.

- A. TOP BURNERS / RAISED GRIDDLE–BROILER / BROILER.** All top section burners are equipped with constant burning pilots. These are to be manually lighted immediately after the gas is turned on and the system is checked for leaks. Burner pilots are provided for each burner and can be rechecked for proper adjustment. Adjustments can be made with a screwdriver to the brass pilot valve accessible through the valve cover.
- B. HOT TOP / GRIDDLE.** The pilot should be lighted immediately after the gas is turned on and the system is checked for leaks. The pilot can be reached with a long match through the valve cover, or by lifting the plate upward and accessing through the top.

NOTE: It may be necessary to relight the pilot several times until the lines are purged of any trapped air and a constant gas flow is attained.

MAINTENANCE INSTRUCTIONS



CAUTION: Never use ammonia in an oven that is warmer than room temperature and always have direct ventilation!

If the appliance is on casters and is connected to the supply piping by means of a connector for movable appliances, there is a restraining device at the rear of the unit. If disconnection of the restraint is necessary, reconnect the restraint after the appliance has been returned to its originally installed position.

CLEANING

DAILY: Clean top grate(s) with warm water, mild cleaner and wire brush. Clean and brush off debris from and around the burner area. Empty and clean grease pan. Griddle plates should be cleaned with warm water and scrubbed with cleaning abrasive such as a griddle brick of fine grit type. Top surface can also be 'bleached' with vinegar, pickle juice or club soda when the plate is warm to give the plate a 'new' look.

PERIODIC: Remove open burners and clean with warm water and wire brush. Make sure the ports are not clogged. Check valves and lubricate, if necessary. Consult your service agency or local Gas Company.

STAINLESS STEEL PARTS

Do not use steel wool, abrasive clothes, cleansers or powders to clean stainless steel surfaces. All stainless steel parts should be wiped regularly with hot soapy water during the day and a stainless steel liquid cleaner at the end of the day. To remove encrusted materials, soak in hot water to loosen the material, and then use a wood or nylon scraper.

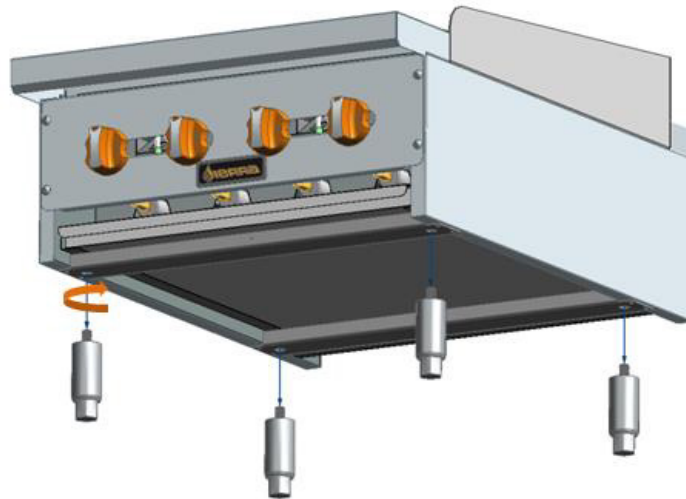
Contact the factory, factory representative or a local service company to perform repairs.

INSTALLATION OF LEGS



LEGS ASSEMBLY:

Mount Legs on bottom of product, the appliance may be further leveled with adjustment in the foot of the leg.



GAS CONNECTION

The gas supply (service) line must be the same size or greater than the inlet line of the appliance. SIERRA appliances use a $\frac{3}{4}$ " NPT inlet.

Pipe joint compound must be resistive to Natural or LP gas.

For equipment using propane gas do not install supply lines with a diameter less than $\frac{1}{2}$ under any circumstances.

All connections must be tested with a soapy water solution before lighting any pilots.

The appliance shall be connected to the fuel gas for which it was designed. No attempt shall be made to convert the appliance from the gas specified on the rating plate for use with a different gas without consulting the installation instructions, the serving gas supplier, or the appliance manufacturer for complete instructions.

MANUAL SHUT OFF VALVE

This installer supplied valve must be in the gas service line ahead of the appliance regulator in the gas stream and in a position accessible in the event of an emergency.

LOCATION



- Installation of the equipment should be performed by qualified, certified, and authorized personnel who are familiar and experienced with local installation codes.
- Before Installation please read instructions completely and carefully.
- Do not remove permanently affixed labels, warnings or plates from the product.
- Please observe all local and national codes and ordinances
- Installation must conform with local codes, or in the absence of local codes, the National Fuel Gas Code, ANSI Z223.1 (latest edition).

In Canada, installation should conform to installation codes for gas burning appliances and equipment standard CAN/CGA-B 149.1 or the Propane installation code, CAN/CGA-B 149.2, as applicable. The appliance must be isolated from gas supply piping system, by closing its individual manual shut off valve during any pressure testing of the gas supply piping system at test pressure equal to or less than ½ psi (3.45kpa)

CLEARANCES

The appliance area must be kept free and clear of all combustibles SR, SRMR
Series products are for installation in Non-Combustible locations only.

	COMBUSTIBLE	NON COMBUSTIBLE
SIDES	12 Inches	0 Inches
REAR	8 Inches	0 Inches
FLOOR	6 Inches	0 Inches

AIR SUPPLY & VENTILATION

The area in front of, around and above the appliance must be kept clear to avoid any obstruction of the flow of combustion and ventilation air.

Adequate clearance must be maintained around the appliance for easy servicing. Provision should be made for any commercial, heavy-duty cooking appliance exhaust combustion waste products to the outside of the building. Usual practice is to place the appliance under an exhaust hood, which should be constructed in accordance to the local codes. Strong exhaust fans in this hood or in the overall air conditioning system can produce a slight vacuum in the room and / or cause air drafts, either of which can interfere with the pilot or burner performance and could be difficult to diagnose.

Air movement should be checked during installation. Air openings or baffles may have to be provided in the room, if pilot or burner outage problem persists.

RATING PLATE



Information on this plate includes the model, serial number, BTU / hour input of the burners operating gas pressure in inches WC, and whether the appliance is orifices for natural or propane gas. When communicating with factory about a unit or requesting for special parts or information, Rating plate data is essential for proper identification.

SIERRA COOKING APPLIANCES MUST BE CONNECTED ONLY TO THE TYPE OF GAS

TROUBLESHOOTING

BURNER AND/OR PILOTS NOT TURN ON	GAS SUPPLY TO COOKING EQUIPMENT IS OFF	TURN ON GAS SUPPLY
UNIT PRODUCING CARBON DEPOSITS	GAS TYPE	VERIFY CORRECT GAS
	GAS SUPPLY PRESURE	CONTACT LOCAL GAS SUPPLIER
	PRIMARY AIR NOT ADJUSTED PROPERLY	ADJUST AIR SHUTTER
	ORIFICE TOO BIG	VERIFY ORIFICE SIZE
PILOT WILL NOT REMAIN LIT	PILOT FLAME NOT ADJUSTED	ADJUST PILOT FLAME
	DRAFT CURRENTS NEAR EQUIPMENT NOT ENOUGH	FIX DRAFT
	VENTILATION DEBRIS OR GREASE CLOGGING PILOT BURNER	CONTACT HVAC CONTRACTOR
		CLEAN DEBRIS AND GREASE FROM PILOT BURNER
EXCESSIVE FLARE-UP	OVERLOAD OF OIL AND LEFTOVERS	CLEAN AND PREPARE PAN
NOT HEATING PROPERLY	ORIFICES DIRTY/CLOGGED	CLEAN ORIFICE, MAKE SURE THERE IS NO RESTRICTION IN THE ORIFICE BURNER
	LOW GAS PRESSURE	INCREASE GAS PRESSURE TO 5" WC (NAT) OR 10" WC (L.P.)
	GRATES DIRTY/CLOGGED	CHECK AND CLEAN TOP GRATES
	IF THE VENTILATION IS TO STRONG IT WILL DRAFT HEAT FROM THE COOKING/BROILING SURFACE	CALL HVAC CONTRACTOR