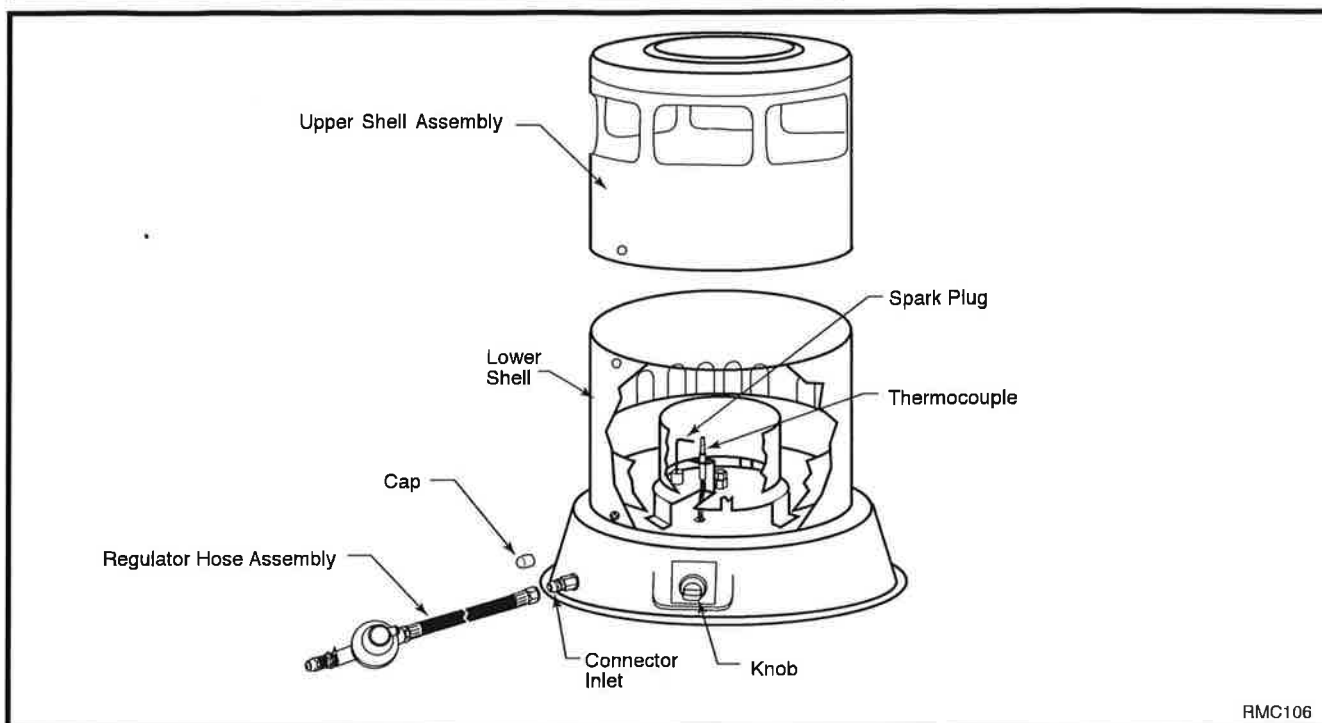


**NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!**



RMC106

Fig. 1 Convection Heater parts identification.

## Theory of Operation

**The Fuel System:** The hose/regulator assembly attaches to the propane gas supply. This provides fuel to the heater.

**The Ignition System:** The piezo ignitor lights the burner fuel supply on the LPC25/80. The piezo ignites a pilot burner on the LPC200.

**The Automatic Control System:** The automatic control valve shuts off the heater if the flame goes out.

### Propane Supply

You must provide propane gas and tank(s).

Use this heater only with a propane vapor withdrawal supply system. Installation must conform to local codes or, in the absence of local codes, with the standard for the Storage and Handling of Liquefied Petroleum Gases ANSI/NFPA 58 and the Natural Gas and Propane Installation Code CSA B149.1. Your local library or fire department will have this booklet.

The amount of propane gas ready for use from propane tanks varies. Two factors decide this amount:

1. The amount of liquid propane gas in tank(s).
2. The temperature of tank(s).

The chart below shows the minimum number of 100-pound tanks or one larger tank may be needed in colder weather. Your local propane gas dealer will help you select the proper supply system.

Average Temp (°F) at Tank Location	Number of Tanks (100 lb.)		
	LPC25	LPC80	LPC200
60 °F (15.56 °C)	1	1	2
40 °F (4.44 °C)	1	1	2
32 °F (0 °C)	1	1	2
20 °F (-6.67 °C)	1	1	2
10 °F (-12.22 °C)	1	2	3
0 °F (-17.78 °C)	1	2	3

### Ventilation

#### RMC-LPC25/80

**WARNING:** Provide at least a 2½ square feet (.23 square meters) opening of fresh, outside air while running heater. If proper fresh, outside air ventilation is not provided, carbon monoxide poisoning can occur. Provide proper fresh, outside air ventilation before running heater.

#### RMC-LPC200

**WARNING:** Provide at least a 6 square feet (.56 square meters) opening of fresh, outside air while running heater. If proper fresh, outside air ventilation is not provided, carbon monoxide poisoning can occur. Provide proper fresh, outside air ventilation before running heater.

### Fresh Outside Air Opening Requirements

Heater Size	Opening
80,000 BTU/hr	2.5 ft² (.23 m²)
200,000 BTU/hr	6 ft² (.56 m²)

**NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!**

## Assembly

Assembly Time: 10 minutes

### Contents

**All Models:** Unit, Manual, Hose and Regulator Assembly

**LPC80 and 200 Series Include:**

Upper Shell, Lower Shell and Hardware Kit With Screws (8)

### Tools Required for Assembly

**All Models:** Adjustable Wrench

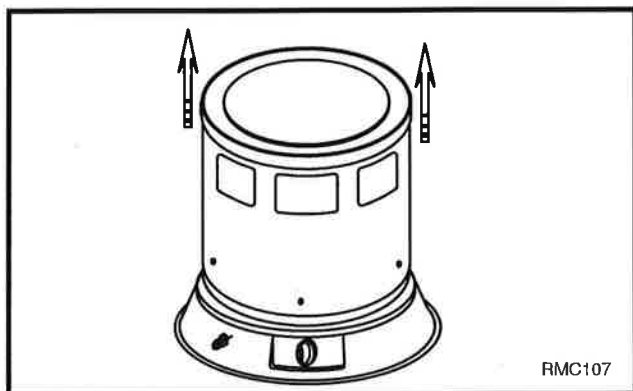
**LPC80 and LPC200 Series:** Phillips head screwdriver

### Heater Assembly

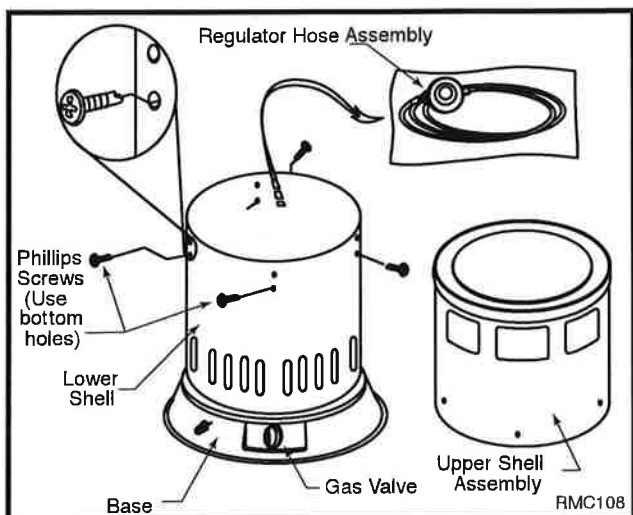
1. Remove all packing items applied to heater for shipment. Keep plastic cover caps (attached to connector inlet and regulator hose assembly) for storage.
2. Remove all items from carton and check for shipping damage. If heater is damaged, promptly inform dealer where you purchased the heater.



**CAUTION:** Do not attempt to light heater until fully assembled.

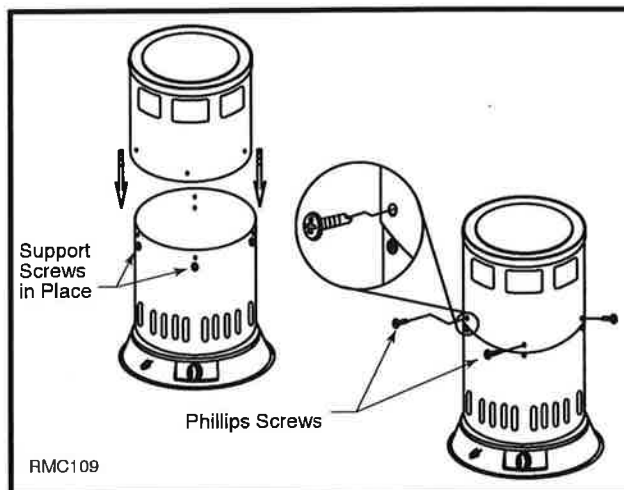


**Fig. 2** Slide upper shell assembly up and off lower shell.



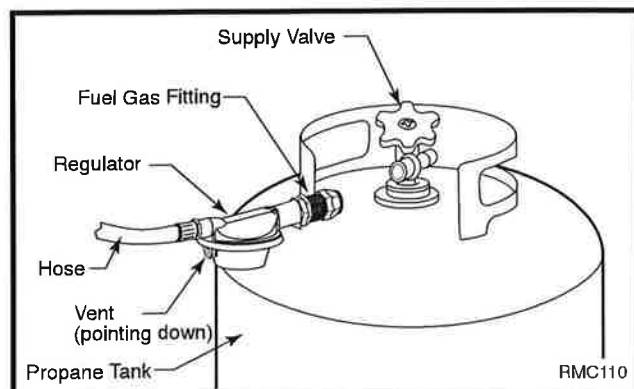
**Fig. 3** Remove regulator hose assembly, place four screws in bottom holes at top of lower shell.

3. Slide upper shell assembly up and off lower shell. LPC80/200 (Fig. 2)
4. Remove regulator hose assembly bag from inside base.
5. Screw four phillips head screws in place in bottom hole at top of lower shell. LPC80/200 (Fig. 3)
6. Place upper shell assembly onto shell lower. Secure with four phillips screws in top hole of lower shell. (Fig. 4)



**Fig. 4** Attach top with four phillips screws.

7. Provide propane supply system. (Refer to Propane Supply on Page 3)
8. Connect fuel gas fittings on regulator hose assembly to propane tank(s). Turn fuel gas fitting counterclockwise into threads on tank. Tighten firmly using a wrench. **IMPORTANT:** Tighten regulator with vent pointing down. Pointing vent down protects regulator from weather damage. (Fig. 5)
9. Connect hose to the connector inlet. (Fig. 6) Use a wrench to prevent connector inlet on heater from turning as you tighten firmly using a wrench. You must use the regulator supplied with heater even if propane tank has one.



**Fig. 5** Attach regulator with vent pointing down.

**NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!**

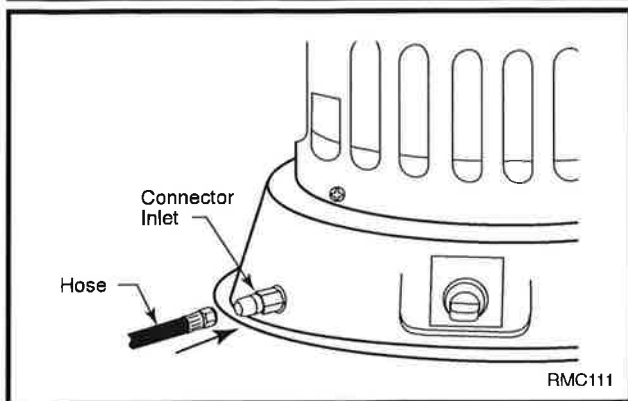


Fig. 6 Hose and connector inlet.

10. Open propane supply valve on propane tank(s) slowly. **NOTE:** If not opened slowly, excess-flow check valve on propane tank may stop gas flow. If this happens, you may hear a click inside the regulator assembly, this is the check valve closing. To reset the excess-flow check valve, close propane supply valve and open it again slowly.
  11. Check all connections for leaks. Apply mixture of liquid soap and water to gas joints. Bubbles forming show a leak that must be corrected before using the heater.
- Close propane supply valve.

## Operation



**WARNING:** Review and understand the warnings in the Safety Information section on page 3. They are needed to safely operate this heater. Follow all local codes when using this heater.

### Lighting/Operating Instructions RMC-LPC25/80

#### CAUTION



Due to high surface temperature, keep children, clothing and furniture away. Keep burner and control compartment clean.





This heater shall not be installed in a bedroom or a bathroom.

#### WARNING





Hot while in operation: Do not touch. Keep children, clothing, furniture, gasoline and other liquids having flammable vapors away.

**NOTE:** On completing the gas line connection, a small amount of air will be trapped in the gas line. When you first light the unit with the pilot light, it is possible that it will take a few minutes to purge the trapped air. Once you have purged the gas line, the pilot and burner will light and operate normally. Subsequent lightings of the appliance will not require purging the gas line.

1. **Stop!** Read the safety information on side of heater.
2. Turn control knob clockwise  to "OFF" (○) position.
3. Turn propane supply valve on by turning tank valve counterclockwise .
4. Depress control knob and turn counterclockwise  to "LOW/IGN" position to light burner.
5. If burner does not light, turn knob to the "OFF" (○) position and repeat Step 4. Keep control knob depressed for approximately 10 to 15 seconds, release control knob.
6. If flame burner goes out, wait 5 minutes then repeat steps 4 and 5.
7. With burner operating, the control knob may be turned counterclockwise  to desired heating level between "LOW" and "HIGH."

### To Turn Off Appliance

1. Turn control knob clockwise  to "OFF" (○) position.
2. Turn propane supply valve off by turning fully clockwise .

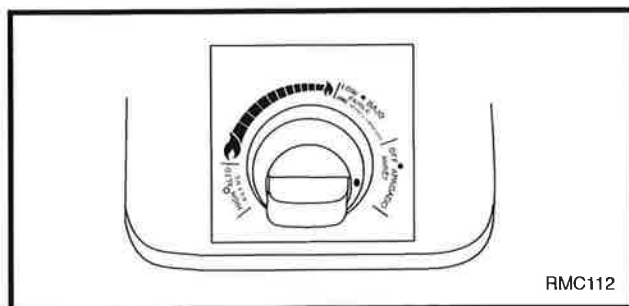


Fig. 7 Convection Heater control knob.