SUPPLEMENT TO INSTRUCTION MANUAL
P/N 238-35846-00

Lighting and Shutdown Instructions
(Supplement to pg. 18 in instruction manual.)

FOR YOUR SAFETY READ BEFORE LIGHTING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance has a pilot which is lit by a electric spark gas ignition system.

B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

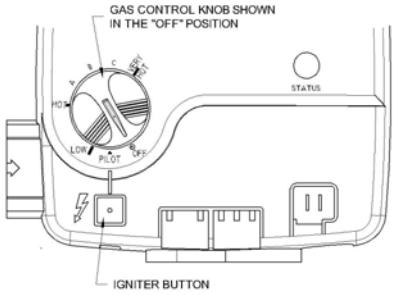
WHAT TO DO IF YOU SMELL GAS.
* Do not try to light any appliance.
* Do not touch any electric switch; do not use any phone in your building.
* Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
* If you cannot reach your gas supplier, call the fire department.

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.

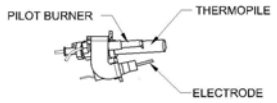
D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

LIGHTING INSTRUCTIONS

1. STOP! Read the safety information above.
2. Set the gas control knob to the "OFF" position.



3. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information above. If you don't smell gas, go to the next step.
4. Remove outer door. Remove inner door or slide it open.
5. Locate igniter button.
6. Turn the gas control knob clockwise ↷ to "PILOT" position.
7. Depress and hold in gas control knob. Immediately press igniter button until you hear a "click" sound, then release. Continue to hold down the gas control knob until the status light blinks. Release the gas control knob. It should pop back out. Check to see if the pilot is still lit. If the pilot goes out, repeat steps 2 through 7.
   - If gas control knob does not pop out when released, stop and immediately call your service technician or gas supplier.
   - If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your technician or gas supplier.

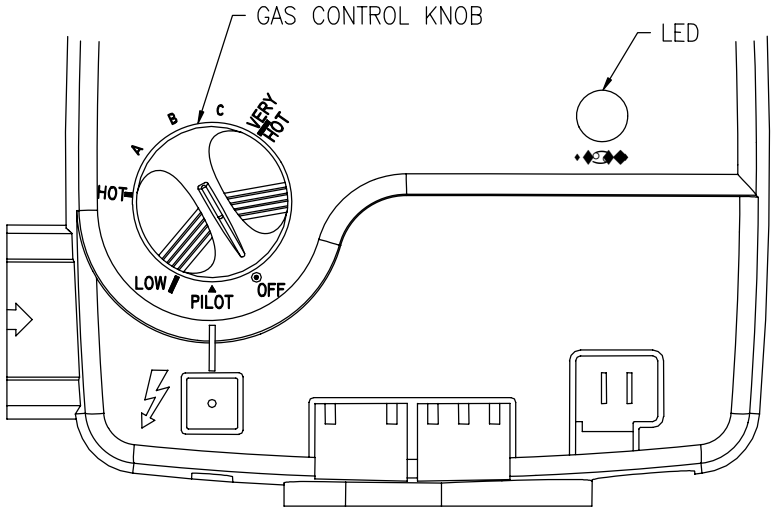


8. Replace inner door or slide it closed. Replace outer door.
9. Turn gas control knob to desired setting.

TO TURN OFF GAS TO APPLIANCE

1. Turn the gas control knob counterclockwise ↶ to the "OFF" position.

THERMOSTAT ADJUSTMENT
(Supplements pg. 19 in instruction manual.)



160°F and 180°F control

Figure 2

The gas control knob is set to the "OFF" position when shipped from the factory. **Remember that lower temperature settings are more energy efficient.** Adjust the temperature by turning the gas control knob. It is suggested that the starting point setting not exceed the approximately 120°F (*48.9°C*) or "Hot" setting on the thermostat.

⚠ DANGER

Hotter water increases the risk of scald injury. Scalding may occur within five (5) seconds at a temperature setting of 140°F *(60°C)*. To protect against hot water injury, install an ASSE approved mixing valve in the water system. This valve will reduce point of discharge temperature by mixing cold and hot water in branch water lines. A licensed plumbing professional or local plumbing authority should be consulted.

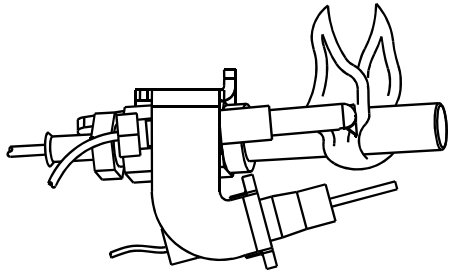
Note: This water heater is equipped with an energy cut out device to prevent overheating. Should overheating occur or the gas supply fail to shut off, turn off the manual gas control valve to the appliance and call a qualified service technician.

Note: Whenever the water heater is filled with cold water, condensate will form on the cool tank surface and drops of water will fall on the hot burner and combustion chamber surfaces producing a "sizzling" noise. Condensation is normal and does not indicate a leak. It will disappear when the tank becomes heated.

BURNER FLAME CHECK
(Supplements pg. 20 in instruction manual.)

These models are equipped with self adjusting air mixture and do not have an adjustable air shutter. At periodic intervals, a visual check of the main burner and pilot flames should be made to determine if they are burning properly. The main burner flame should light smoothly from the pilot.

Refer to the main instruction manual for illustration of burner flame pattern.



Pilot flame
Figure 3

TROUBLESHOOTING CHART

(In addition to instruction manual.)

LED Status	Control Status	Probable Cause
None (LED not on or flashing)	Millivolt power is not present. Light pilot.	1. Gas valve is functioning normally 2. Gas valve is not powered. Light pilot
One flash and three second pause.	If set point knob is in "PILOT" position then pilot flame is detected. **(no faults).**	Gas valve is powered and waiting for the set point knob to be turned to a water temperature setting. If the set point knob is at desired setting the thermostat is satisfied.
LED strobe (two quick flashes) and three second pause	Thermostat calling for heat **(no faults)**	Heater operating normally.
LED on continuously.	Set point knob has been recently turned to the "OFF" position.	Set point knob was recently turned to "OFF" position. Wait until LED goes out before attempting to relight

TROUBLESHOOTING CHART (CONTINUED)

LED Status	Control Status	Probable Cause
Two flashes and three second pause.	Weak pilot flame detected. System will reset when pilot flame is sufficient.	1. Unstable pilot. 2. Pilot tube blocked or restricted.
Three flashes and three second pause.	Insufficient water heating. System will reset.	1. Thermowell sensor out of calibration. 2. Possible short.
Four flashes and three second pause.	Excessive tank temperature. System must be reset.	1. Thermowell sensor out of calibration. 2. Faulty gas valve.
Five flashes and three second pause.	Thermostat well fault.	1. Damage to the thermowell wire. 2. Thermowell sensor resistance out of range. 3. Replace thermowell. 4. If thermowell replacement does not correct the problem; Verify control is not wet or physically damaged 5. Turn set point knob to "OFF" position. Turn set point knob to "PILOT" position and light pilot. 6. Replace gas valve if five flash error persists.
Seven flashes and three second pause.	Gas valve electronic fault detected.	1. Verify control is not wet or physically damaged. 2. Turn set point knob to "OFF" position. Turn set point knob to "PILOT" position and light pilot. 3. Replace gas valve if seven flash error persists.
Eight flashes and three second pause	False pilot flame present.	1. Pilot valve stuck in open position 2. Turn set point knob to "OFF" position. Turn set point knob to "PILOT" position and light pilot. 3. Replace gas valve if eight flash error persists.