

How to Care for Your Furnace

Abnormal Appearance

Lazy Flame:

Long soft yellow cones moving around in the combustion chamber lifting from ports (insufficient air).

Extremely Fast Flame:

Will not hold to ports - entire cone sections blow off from noisy ports (too much pressure).

WARNING: If flame appears abnormal, contact the gas company or a qualified service technician immediately.

Annual Upkeep Needed

It is recommended that a qualified service technician perform these checks at the beginning of each heating season:

Burner Cleaning

Keep clean at all times. Clean all foreign materials from the top of burner. For access to the burner:

1. Shut off the gas supply to furnace.
2. Remove the cabinet.
3. Disconnect the gas line inside cabinet at the ground joint union fitting.
4. Remove the six (6) #10-24 screws securing the control door assembly to the combustion chamber.
5. Carefully remove the control door and burner assembly from the combustion chamber. Be careful not to damage the control door gasket.
6. Clean all foreign materials from the top of the burner.
7. After cleaning, replace the control door and the burner assembly by reversing the above procedure. The control door gasket should be replaced if its condition is in doubt.

Cleaning Burner Compartment

Because cold air is attracted to the flame during furnace operation, a build up of lint from carpeting, bedding, dust, etc. in the burner area will occur. It is necessary to clean this area regularly. Use a vacuum cleaner with a narrow attachment to reach small areas. Be careful in and around the pilot. A change in its adjustment could be made if moved during cleaning. A properly adjusted burner with nearly all gasses will produce a flame which has a clear blue cone having a bluish-red or bluish-violet outer mantle.

Cleaning Blower (If Equipped)

Turn off electric power supply at the disconnect switch, fuse box or service panel before servicing. For maximum motor life of the optional blower, inspect the motor yearly and clean any lint or dust from fan blades, fan motor and ventilating holes. Oil yearly with two drops of SAE 20 high temperature oil.

Vent System

Check the vent cap and tubes to be sure there are no blocked inlet air or flue openings. The flow of combustion and ventilation air must not be obstructed. Clean or replace before using the furnace. On new installations, the gas lines will be filled with air and may take several minutes to establish a pilot flame.

Furnace Area

For better circulation and more effective heating, do not place obstructive furniture closer than four feet to the front of the cabinet or two feet to either side of the cabinet.

The furnace area must be kept clear and free from combustible material, gasoline and other flammable vapor and liquids.

Cabinet Finish

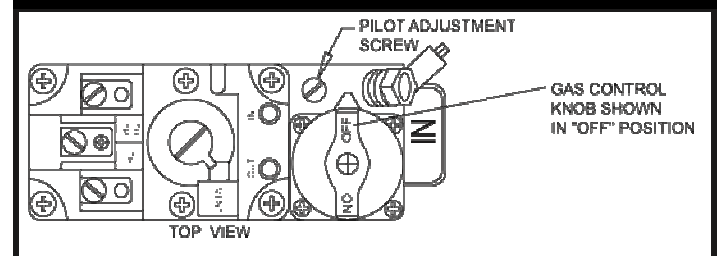
Clean the cabinet with a damp cloth. Never use abrasive cleaners. Cabinets are finished in heat-resistant powder paint. DO NOT refinish.

Pilot Burner

Light the pilot using instructions in "Lighting the Pilot". Leave the thermostat at its lowest setting. The pilot flame should surround the generator tip 1/4" to 5/8". If flame needs adjusting, do so as follows:

1. Insert a small screwdriver into the pilot adjusting screw. Adjust flame as needed. Turn the screw counterclockwise to increase the flame, clockwise to decrease the flame.
2. Turn the thermostat to the highest setting. The main burner should light quickly and smoothly. Turn the thermostat to its lowest setting. The main burner should go out. The pilot should remain lit.

FIGURE 17



WARNING: Danger of bodily injury or death. If equipped with accessory blower, turn off the electric power supply at the disconnect switch, fuse box or service panel before removing any access doors or service panels from unit.