

MONITOR HEATING SYSTEM

Section 4: Maintenance / Servicing

4-1 CLEANING THE CABINET

When the cabinet is soiled, wipe it with a damp cloth. Restore the shine with a dry cloth. The use of abrasive household cleaners may dull the finish.

4-2 CHECKING THE FLUE PIPE

At the beginning of each heating season, check the inside of the flue pipe. Foreign matter, spider webs, etc. must be removed.

Be sure all fittings and joints are tight.

NOTE: Make sure that all exhaust pipe and intake pipe connections are firmly mated.

Make sure that the connections between the flue pipe and exhaust/air intake pipe and hose are secured by the pipe holder (P/N 4006) and the hose band (P/N 4008).

4-3 CLEANING THE INTERIOR

Remove the front cover and louver, and vacuum and wipe away dust and other accumulation.

4-4 CLEANING THE BLOWER GUARD

Heating efficiency will be reduced if the blower guard at rear of the cabinet is blocked with dirt or dust.

Blockage also produces a rise in heat that could cause the heater to shut off.

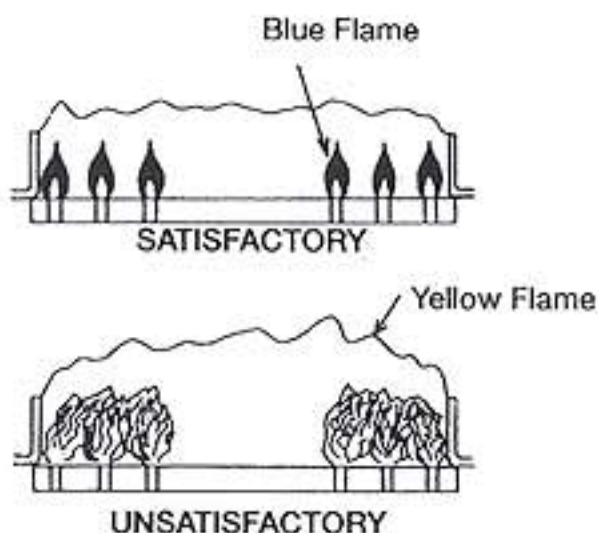
Wipe the guard clean at least once a week.

4-5 ELECTRIC MOTOR MAINTENANCE

Motors are permanently lubricated and need no lubrication. Keep fan and motor free of dust and dirt by cleaning annually.

4-6 CHECKING THE BURNER FLAME

The burner of this appliance does not need cleaning, but check the burner flame once a year. Flame pattern should be as shown in the following figures. The burner must flame evenly over the entire surface when operating correctly. The flame must burn with a clear blue stable flame.



4-7 CLEANING THE BURNER

Under normal running conditions, soot will not deposit in great quantities at the burner, and a light covering of soot will not affect the performance of the unit thus it need not be cleaned. However, if heavy soot build up does occur the unit should be opened and cleaned.

If heavy soot builds up in a short period of time also check the air flows are normal, refer to page 8,10.

The burner is assembled using gaskets to maintain its air tightness. If these gaskets leak, the extra air can cause a serious soot problem and or exhaust gases to escape into the area being heated.

NOTE: If any gaskets are torn when components are removed, replace.

Cleaning the burner requires disassemble of the combustion chamber with the heat exchanger.

If cleaning is necessary, use the following method:

- Remove the screws from each side of the cabinet securing the front cover. Carefully remove the front cover.
- Remove the 7 screws, (three on each side and one in the center) securing the louver assembly to the heater. Remove the louver assembly.
- Remove the top cover and wire connectors.
- Remove heat shield that covers combustion chamber and its lead connectors. Remove the air hose line from pressure detective pipe.
- Remove screw at top of burner cap which attached it to cabinet. Remove screw at back of cabinet and joint pipe from exhaust duct and remove the 6 screws holding combustion chamber to burner chamber. Remove the screw holding heat exchanger to base. Leave burner chamber assy attached to base.
- Remove combustion chamber and heat exchanger, as one assembly from unit.

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G. If soot is present at the burner, remove the soot by using wire brush, then clean the area by using a vacuum cleaner etc.

It may also be necessary to clean the flame holder and burner port assy.

NOTE: Make sure all air holes are clear.

H. Use wire brush to clean inside of combustion chamber. Vacuum and wipe clean with a waste cloth.

Before reassembly inspect flame holder, if warped or distorted replace it.

I. Reassembly by reversing the procedure followed during disassembly.

⚠ WARNING:

Do not attempt to disassemble the heat exchanger and combustion chamber. This work is critical and must be done only by an authorized technician.

If any screws are torn or striped, they must be replaced.

HouseNeeds, Inc.