

Tube Heater Parts Instruction Sheet

Radiant Tube Cleaning Procedure

WARNING



To avoid electrical shock or damage to equipment, disconnect power supply before installing or servicing.

NOTICE

This tube cleaning procedure should be performed by two people.

Minimum Tools Required

4" Diameter Chimney Brush
Terry Cloth Rag
Fish Tape / Cable Puller (Long enough to reach the length of the tubes)
Thick Mil Contractor Garbage Bags
Duct Tape
9/16" Ratchet
2 Adjustable Crescent Wrenches
1/4" Driver

Installation Instructions

- ❶ **IMPORTANT:** Turn off power to heater.
- ❷ Disconnect gas, electrical cords, and thermostat wire.
- ❸ Disconnect the intake and exhaust.
- ❹ With a 9/16" ratchet, disconnect the first tube clamp located approximately 16" downstream of the burner box.
- ❺ Disconnect burner box from chains or other hanging implements and set it off to the side carefully so as not to damage it.
- ❻ Look through the end of the 16" burner tube connected to the burner box to check for any dirt or debris blocking the screen of the internal burner. If any dirt or debris is present, open the burner box and remove the internal burner. Wipe the internal burner down, ensuring that the screen is clean.
- ❼ Take one (1) garbage bag and move to the end of the last radiant tube (where the exhaust was previously connected). Remove one piece of baffle at a time, placing each one carefully in a bag, until all baffles are removed from the unit. Set the bag aside.
- ❽ Have one person position the 4" chimney brush and a terry cloth at the beginning of the radiant tubes (where the burner tube was previously connected). While the first person is moving to the burner end, the second person should bring the fish tape, duct tape, and a garbage bag to the exhaust end of the radiant tubes.
- ❾ Tape the garbage bag around the end of the last tube. Make a small hole in the garbage bag and feed the fish tape through just a few inches. Using the duct tape, tape around the hole for the fish tape to prevent the bag from tearing, using care not to attach the garbage bag to the fish tape.
- ❿ Begin feeding the fish tape through the tubes **starting at the exhaust end**. Continue feeding the fish tape through until it reaches the first person standing at the burner end.
- ⓫ Once the fish tape reaches the burner end of the tube, attach the chimney brush to the fish tape and place the brush into the tube.

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- 12 Begin pulling the cable from the exhaust end so that the chimney brush travels down the tube, pulling soot with it. As the chimney brush approaches the end of the tube, the soot will fall into the attached garbage bag. Once the brush has reached the end of the tube, remove the garbage bag carefully to avoid spilling the soot (a small hole may be made near the top of the garbage bag to allow for air to escape), and remove the chimney brush and fish tape.
- 13 Repeat steps 8-12 using a terry cloth in place of the chimney brush.
- 14 Clean the baffles until they are free of soot, then reinsert into the end the last tube until they are flush with the end of the tube and in a vertical position, connecting the tabs on each baffle as each one is inserted.
- 15 Re-hang the burner box.
- 16 Reinstall the first tube clamp.
- 17 **IMPORTANT:** Verify that the intake and exhaust pipes are free from dirt, soot, and debris. If the intake and exhaust pipes are clean, reconnect them to the heater. If not, clean them thoroughly before reconnecting.
- 18 Reconnect the gas line, electrical cords, and thermostat wire.