

PARKER HOT WATER BOILERS
GENERAL RETUBE INSTRUCTIONS

I. WHEN BOILER SHOULD BE RETUBED

Boiler tubes should be replaced only if deemed advisable from an internal and external inspection. If the tubes are leaking resulting from a general scale condition, corrosion or excessive burning, it is considered advisable to replace the entire Tube Bundle Assy. if such condition is present in several tubes. It is not considered feasible to replace only one tube unless a careful internal inspection is made and all other tubes are found to be in perfect condition.

Determine the cause of the tube replacement and take the proper precautionary measures to prevent recurrence. If the replacement resulted from overheating, proper controls should be installed and sufficient maintenance undertaken to eliminate future problems. If replacement resulted from a water condition, all leaks should be repaired so there will be no water loss in the system and proper water treatment used. The system should be initially cleaned and proper water treatment added, see Bulletin CWT-201 for proper recommendations. The system should be inspected each year and, on indication of rust, scale or dirt, should be thoroughly flushed and cleaned.

II. RETUBE INSTRUCTIONS:

1. Cabinet must be removed for retubing. The cabinet is a two section model and can be removed as follows:
 - A. Disconnect the following:
 1. Inlet and outlet circulating lines
 2. Drain line
 3. Safety valve(s)
 4. All other connecting lines
 5. Electrical
 6. Vent stack(s)
 - B. Remove the cabinet as follows:
 1. Take the sheet metal screws out of the outer lid including stack supports (if furnished), and lift off. T-6800 has a two piece outer lid with a slip fit in center.
 2. Take off the top insulation sheet and top inner-lid.
 3. Remove the sheet metal screws in the side of the cabinet (both header collars).
 4. Pull the cabinet apart from the center and lift off. **
2. Boiler has one complete Tube Bundle Assy. mounted on frame. ** Unbolt tube bundle and cut welds between A-Frame and Boiler Frame. Remove the old Tube Bundle Assy. being careful not to damage the burners. Clean burners and spuds. Replace Tube Bundle Assy. and reboot. Make certain that the tube braces and baffles furnished with the new Tube Bundle Assy. are in proper position. Test to be certain there are no leaks.
3. Replace the cabinet in the same manner disassembled. It is recommended to replace any deteriorated insulation. Repair any burned out metal and patch over and refinish the cabinet with heat resistant enamel.
4. Reassemble all of the connections and fittings in the same manner taken apart.
5. Before putting into service, flush the system thoroughly so that it is clean and tests against leaks.
6. Fire test the boiler and bring up the operating temperature, making a complete test to be certain that all safety controls function and performance is satisfactory.

**T-160 to T-300 Tube Bundle Assy. is held in place by cabinet and does not have a supporting A-Frame. Be careful to support Tube Bundle Assy. when removing cabinet on these models.