

SPECIFIC RETUBE INSTRUCTIONS
1-1/2 - 3 H.P. PARKER INDUSTRIAL VERTICAL DRUM STEAM BOILER

CAREFULLY REVIEW THE **GENERAL RETUBE INSTRUCTION BULLETIN GRI 101-5** BEFORE STARTING TO REPAIR. READ THROUGH THESE INSTRUCTIONS THOROUGHLY.

1. Turn off gas and electricity and blow boiler down to zero pressure.
2. Cabinet must be removed for retubing. The cabinet is a two section model and can be removed as follows:
 - A. Disconnect the following:
 - (1) Water Column and Switch Connections.
 - (2) Blowdown and Water Feed Lines.
 - (3) Steam Line.
 - (4) Safety Valve.
 - (5) Electrical.
 - (6) Vent Stack.
 - (7) Remove Burners.
 - B. Remove Cabinet:
 - (1) Take sheet metal screws out of top cover and lift off.
 - (2) Take off the top insulation sheet and top inner lid.
 - (3) Remove the bolts attaching the frame to the bottom of the cabinet.
 - (4) Pull the cabinet apart in the center, supporting drum and tubes, and lift off.
3. Be careful not to damage the burners. All 64T9S burner heads and orifices should be removed and cleaned with care.
4. Lift the drum and tube bundle off of the burner manifold for better convenience of working.
5. Boiler tubes are completely welded in a tube bundle assembly.
6. Unscrew the tube bundles from the drum. Be **VERY** careful not to damage the thread in the drum. It is advisable to tap out the threads in the drum if there is any sign of roughness.
7. Disconnect and remove all other piping to the drum.
8. Thoroughly test and clean the steam drum as outlined in General Retube Instruction Bulletin GRI 101-5.
9. When retubing the boiler, blowdown line and all other internal piping should be completely replaced. This is furnished with the complete tube set.
10. The new tubes should be securely screwed into the drum and all fittings properly reconnected.
11. Boiler should be hydrostatically tested before re-installing the cabinet. In re-assembling the boiler, carefully review Basic Instruction II of General Retube Instruction Bulletin GRI 101-5. **VERY IMPORTANT.**

NOTE: All pipe fittings should be properly lubricated with a teflon tape or steam pipe dope to assure a satisfactory installation.