

Phone: **1-800-Y- U- STEAM** (1-800-987-8326)  
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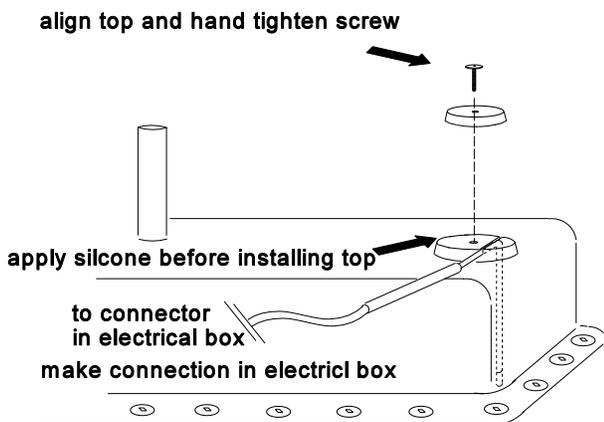
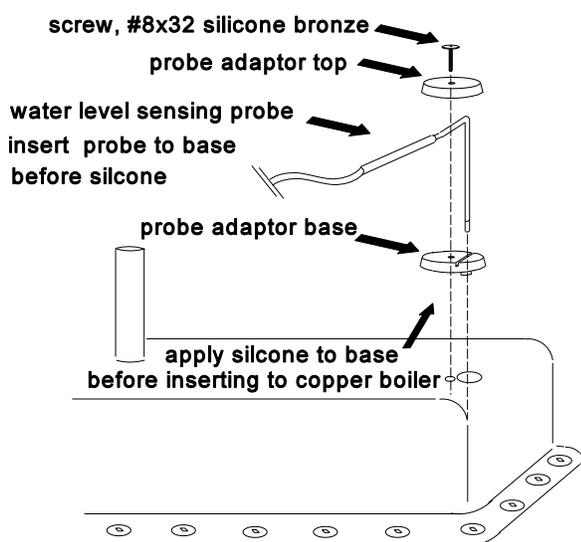
DATE: 10/01/98

Fax: (604) 437-5776

MODEL NO'S. JR-1, JR-2, JR-3, JR-4

BULLETIN NO. 98-5

SUBJECT: CHANGING THE WATER LEVEL SENSOR



1. Remove the top sheet metal cover.
2. Pull back the fiberglass insulation to expose the water level sensor assembly.
3. With a red Robertson screwdriver, remove the #8x32 silicone bronze screw from the center of the sensor assembly. Remove the old sensor complete with the plastic adaptor.
4. Clean the top of the copper boiler with a wire brush or sand paper. Wipe clean the copper tank with a cloth to remove debris. Then wipe the copper tank and probe assembly with a degreaser that flashes off without leaving a residue.
5. Insert the water level probe into the probe adaptor base noting the direction the wire exits the slot. It should be the same direction as the one removed. Apply silicone to the underside of the probe adaptor base making sure no silicone comes in contact with the Teflon sheath of the water level sensing probe. Insert these two parts of the assembly into the top of the copper boiler and push it down firmly. The #8x32 silicone bronze screw may be inserted and then removed to locate the correct positioning of these parts.
6. Apply more silicone to the top of the probe and probe adaptor base. Align the probe adaptor top onto the two assembled parts. Insert the #8x32 silicone bronze screw into the probe assembly. With a red Robertson screw driver, press down firmly on the screw and hand tighten the screw to the copper boiler. **CAUTION: Do not over tighten screw as the tank's copper threads may strip.**
7. Run the blue 18 gauge wire to the electrical box following the same routing as the old wire.
8. A) For models below Serial #A-9600, connect the blue wire to the circuit board solder terminal or wire splice in the electrical box.  
 B) For models Serial #A-9600 and above, connect the blue wire to circuit board pin connector - "2 position plug". **CAUTION: Do not connect blue wire in sheetmetal of copper boiler housing.**