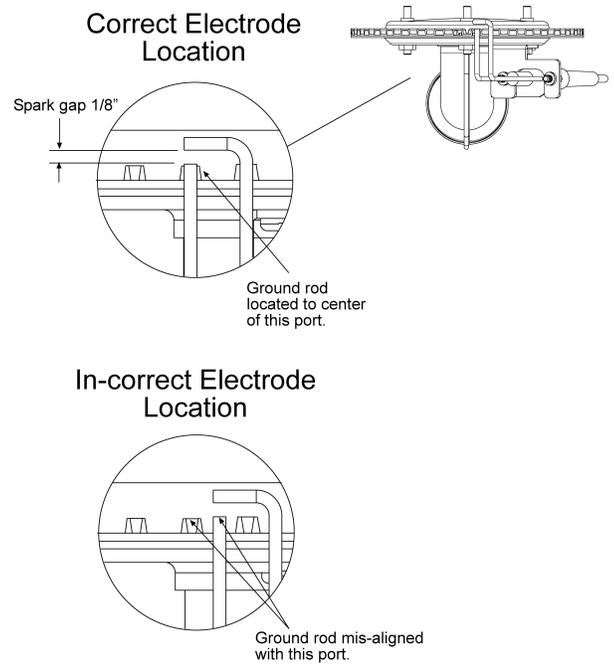


# 12.0) TROUBLESHOOTING

## A) SPARK ELECTRODE INSPECTION

1. Inspect the spark electrode for possible cracks in the ceramic insulator. Replace if necessary.
2. Check for proper electrode spark gap. This should measure 1/8". Re-bend to correct gap or replace electrode if necessary.
3. Check that the electrode ground rod is located to center of the burner port as shown in illustration. If electrode is misaligned, loosen the screws and nuts holding the electrode and reposition to correct location. Re-tighten screws and nuts.



## B) TROUBLESHOOTING CHART

TROUBLE	POSSIBLE CAUSE	SOLUTIONS
<i>Brooder is not glowing red...</i>	<ul style="list-style-type: none"> <li>◆ The supply gas pressure is too low.</li> <li>◆ Improper size of gas piping.</li> <li>◆ The orifice is clogged.</li> <li>◆ Incorrect orifice size.</li> </ul>	<ul style="list-style-type: none"> <li>◆ Check the manifold gas pressure and adjust if necessary.</li> <li>◆ If you are not sure of the performance, use the NFPA 54 gas pipe sizing table in these instructions.</li> <li>◆ Clean the orifice.</li> <li>◆ See the instructions for correct orifice size and replace if necessary.</li> </ul>
<i>Brooder will not attain the desired temperature...</i>	<ul style="list-style-type: none"> <li>◆ There is insufficient heat in the building for heat loss (i.e., not enough brooders).</li> <li>◆ The thermostat sensing bulb is incorrectly placed.</li> <li>◆ The thermostat is out of calibration.</li> </ul>	<ul style="list-style-type: none"> <li>◆ Conduct heat loss and add brooders or other source of heat as necessary.</li> <li>◆ Reposition as necessary for proper operation. <b>NOTE:</b> The sensing bulb should be shielded from direct radiation to prevent short cycling of the brooder.</li> <li>◆ Recalibrate (if possible) or replace.</li> </ul>
<i>Flames flaring up, outside of emitter surface...</i>	<ul style="list-style-type: none"> <li>◆ The gas pressure is too high.</li> <li>◆ Incorrect orifice size.</li> <li>◆ Incorrect type of gas supplied to the brooder.</li> <li>◆ Not enough combustion air.</li> </ul>	<ul style="list-style-type: none"> <li>◆ Check the manifold gas pressure and adjust if necessary.</li> <li>◆ See instructions for correct orifice size and replace if necessary.</li> <li>◆ Check the nameplate to identify the correct type of gas the brooder is equipped to operate using.</li> <li>◆ Clean the inside of the burner with a wire brush and blow out with compressed air.</li> </ul>

**C) TROUBLESHOOTING CHART (Continued)**

