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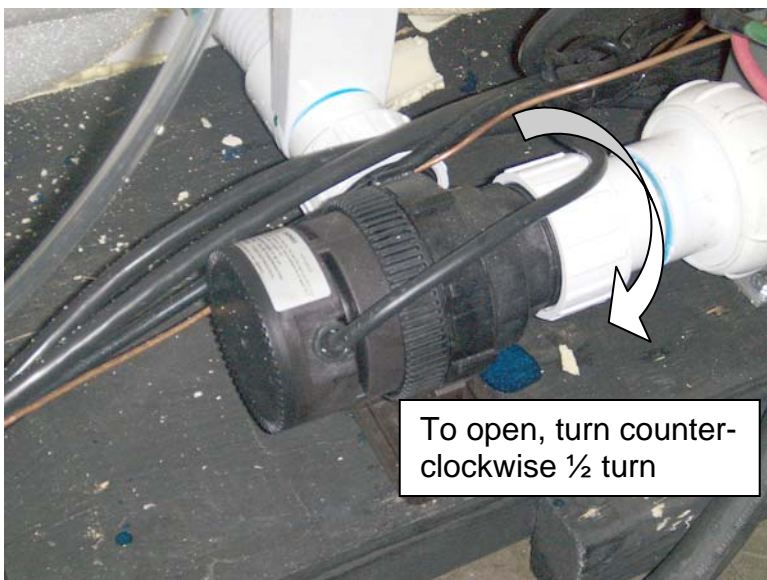
Restarting the recirculation pump

If the Laing E-14 recirculation pump stops working, service technicians need to troubleshoot the problem before sending it back for a replacement. The pump can usually be reset and will operate without failure under normal condition.

The most likely cause of the pump not operating is air in the pump. When this occurs, the pump shuts off to prevent dry run operation.

To reset the recirculation pump and prevent it from shutting off:

1. Remove the equipment door.
2. Locate the circulation pump. (See figure below.)
3. Shut off the power to the spa for about 15 seconds, then restore power.
4. When the spa starts up, it will go into Priming Mode. Press any button to make the spa begin normal operation.
5. Open the union at the suction side of the circulation pump $\frac{1}{2}$ turn. Listen for the sound of air being expelled from the pump.
6. When all of the air has been let out, tighten the union.
7. Listen for the circulation pump to begin operating, or watch for small bubbles coming from the small discharge jets and the ozone jet in the spa.
8. If the circulation pump has successfully primed, replace the equipment door. If it has not, repeat the process from step 3.



The following is for your information only.

When there is air in the recirculation pump, it draws less power and begins a sequence of shutting off and restarting. These iterations are between 10 to 25 seconds. After several iterations, the sequence will pause for five minutes. The pump will run two more sequences. If the pump fails after that, it will go into a safety lockout mode to prevent dry operation. It can be reset by shutting off and restoring the power.