

PUMPS**ISSUE**

Some pumps on [REDACTED] have experienced leaking during initial fillup.

SCOPE

This service bulletin applies to [REDACTED] models with serial numbers before # [REDACTED]

SERVICE DETAIL

A few dealers have reported leaking from the pumps of some [REDACTED] during the initial setup. The leak is caused by a loose impeller that is open enough for a #2 Lead Pencil to fit into the opening and touch the shaft.

A close visual inspection of [REDACTED] pumps will reveal those that will leak when water is added to the hot tub.

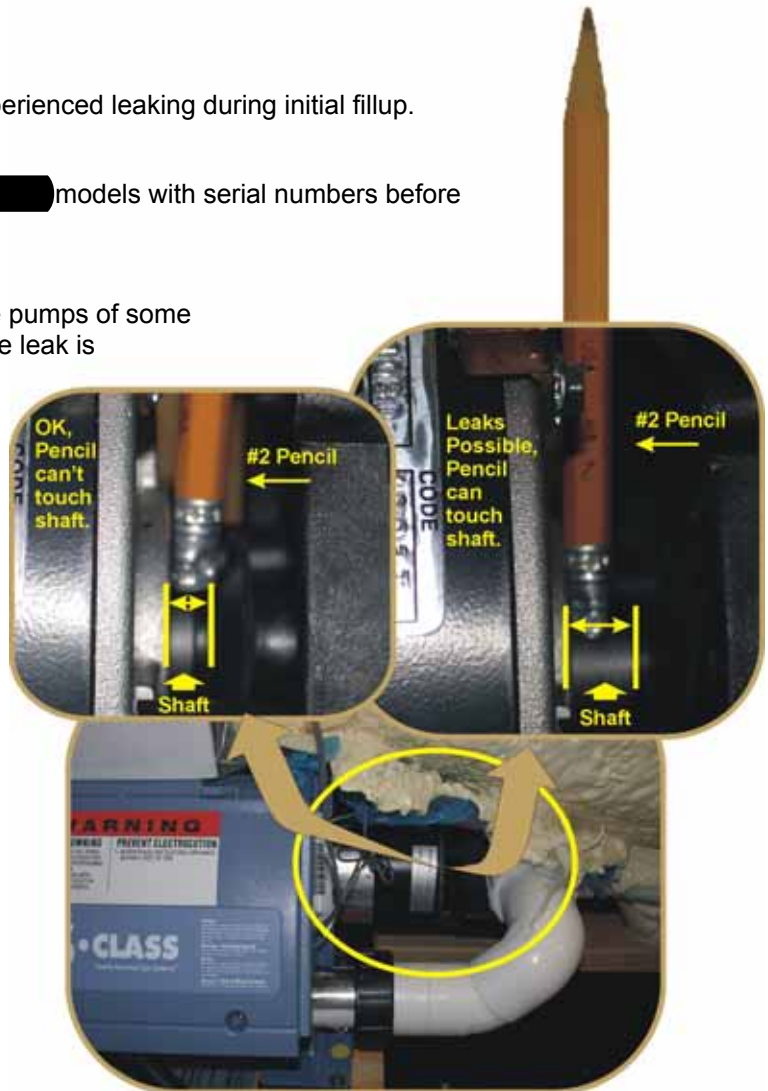
SOLUTION

Be sure that you conduct a visual inspection of the pump shaft on all [REDACTED] during the initial startup. The best time to do this is while you are checking the pump unions to make sure they are tight.

If you discover a loose impeller during your visual pump inspection, you may use the following procedure to tighten the impeller and avoid the leak. If you have any questions, you may contact the [REDACTED] for additional guidance. They may be reached by calling [REDACTED] or on the web at [http://www.\[REDACTED\]](http://www.[REDACTED])

Tightening the impeller

- Make sure the power has been turned off at the GFCI.
- Closely examine the pump shaft to see if the impeller is open enough to cause leaks.
- If repair is necessary, you will need to remove the pump to complete the repair.
- After the pump is removed from the hot tub, remove the volute and the electrical cover.
- Use a needle nose pliers to hold the shaft as shown, then grasp the impeller and tighten in a clockwise manner until the impeller is tight.
- Replace the end caps and then replace the pump.
- Fill the hot tub with water and check for leaks.
- Turn on the power at the GFCI and then turn on the pump to do a final check for leaks.



Rear View
Opposite of Volute

[REDACTED]
Service Manager