

PRODUCT SUPPORT TECHNICAL BULLETIN

October 20, 2023

Issue: i12 Circulation Pump seal may cause drips

Cause:

The circulation pump propeller shaft is not properly seated in the rear bushing causing the circulation pump to not seated correctly into the pump manifold.

- Issue has been identified as occurring in some units produced in June of 2023
 - This does not impact all of June production.
- The leak does not immediately present itself. Once there is enough water in the ambient tank, the cold tank fill function will activate and fill the cold tank, and this is when the leak would present itself.
- **Recommendation is to bench test all units prior to installation and look for dripping.**

Solution:

Remove circulation pump, reseal propeller shaft assembly. Apply Molykote 111 Food Grade Silicone (NSF/ANSI 61) to the o-ring and reinstall circulation pump into the pump manifold.

Process: Approx 45-minute repair.

1. Gain access to the Circ pump located behind the dispense solenoids.
2. Disconnect leads from the cold tank solenoid (solenoid that supplies water to the cold tank from the ambient tank) and drain the cold tank completely. Disconnecting the leads to the cold tank solenoid will prevent water from refilling the cold tank.

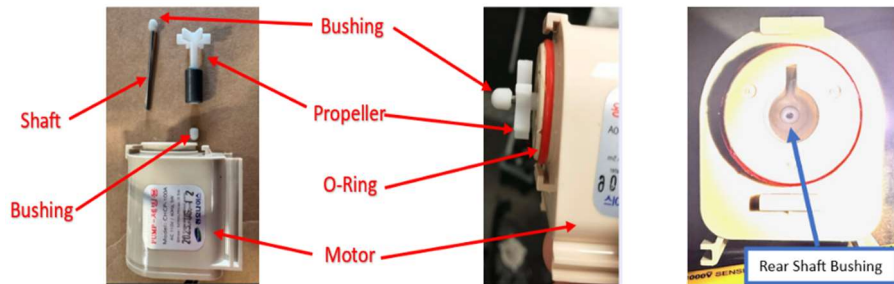


3. Remove circulation pump from the Pump Manifold and check for damage to the o-ring.

Remove Circulation Pump



4. Remove propeller shaft assembly and reseal it back into the circulation pump body ensuring that the propeller shaft seats correctly into the Rear Shaft Bushing.



5. After ensuring that the o-ring is free of damage, apply a thin layer of Molykote 111 Food Grade Silicone to the o-ring.
6. Dry the pump manifold using a paper towel or lint free micro-fiber towel.
7. Reinstall the circulation pump ensuring the pump is fully seated into the pump manifold.

Reinstall Circulation Pump

