

# Parking Heater Products – Technical Bulletin



Bulletin Number: TB-251101

Subject: P53W Water Pump Cleaning

Issue Date: Nov. 13, 2025

Scope: PH53WA, P53W-T601, P53W-T602 Water Pumps

Complaint:

Heater overheats due to water pump not working.

Resolution:

This Technical Bulletin provides a solution for water pumps seizing due to ingestion of steel particles.

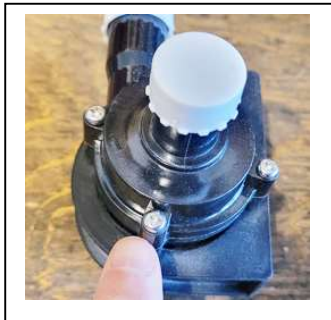
The P53W-T602 and P53W-T601 water pumps use a magnet drive impeller.

This system eliminates the shaft and seal between the motor and impeller thereby eliminating leaks and friction.

Although this system has tremendous benefits, the one drawback is that the pump can be susceptible to failure if there are steel particles in the coolant system. The impeller that moves the coolant is connected to a magnet. If there are steel particles passing through the pump, they will stick to the water pump. This can cause the pump to seize. This results in a lack of flow which causes the heater to overheat.

To resolve this problem, ensure that your coolant system is clean and clear of steel particles and clean the water pump.

To Clean Water Pump: Remove 4 screws, remove pump cover and impeller, clean and reassemble.



Ensure washer and friction plate remain intact.

