

Service Bulletin: MART Power Washer

MART Tech Services

MART Washer Service Schedule Essentials

All new MART Power Washers come with a maintenance Service Schedule inside the electrical-control panel. Following the Service Schedule maintains your warranty and is the best way to prevent un-wanted downtime. If you need a new schedule, please contact MART for the current schedule. This overview of the standard Maintenance Schedule is based on hours of operation.

Every 8 Hours of Operation:

Inspect and clean the Wash Pump Intake Filter.



Remove front reservoir cover and clean the filter with a stiff-bristle brush. Run the brush across the top, back and right-hand side of the filter to remove sludge and other materials. Replace reservoir lid.



Grease Turntable Bearings with Lubriplate 1444. Grease the bearings until fresh grease flows out from the bearing seals and all the wash solution is purged. **Note:** (Newer Style C30s and T40s have

hub bearings with a different service schedule.)

Grease PBM Swivel Joint with Lubriplate 1444. Grease until you see fresh grease coming out of the overflow port on the back side of the swivel joint.



Every 40 Hours of Operation:



Inspect PBM Nozzles. Inspect the PBM Wash Nozzles for clogging. Remove nozzles and clean if required. Verify that your pump suction filter is properly in place and not damaged to prevent further clogging.

Test Chemical Concentration: Perform a titration test to check your chemical concentration.

Detergent Titration kits use an acid reactant and a neutralizer. The indicator turns red, pink, or blue when added to a sample

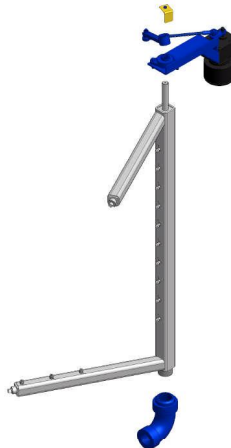


of solution. By counting the drops of neutralizer it takes to turn the solution back to its original color; you can determine the chemical concentration.

Titration Testing Guidelines:

- Perform a titration test weekly.
- Contact your Detergent supplier for test kit.
- Only use a kit designed for your Detergent.
- Follow test kit instructions carefully.
- Add Detergent based on the results of the test.

Call us for titration test kits for all POWER KLEEN Chemicals. POWER KLEEN Chemicals are specifically formulated and designed for use in the MART Power Washer.



Every 160 Hours of Operation:

Check PBM rotation: To inspect, turn the main power supply OFF. Disconnect the PBM linkage from the PBM upper bearing shaft. Push the manifold back and forth. If it does not move freely you may need to adjust the swivel jam nut or replace the swivel.

Clean Air Intake on Gas Burner Blower Motor. Use a

compressed-air blower or a soft brush to clean the gas burner air intake on machines equipped with gas heat.



Measure the Amp Draw of Wash Pump(s). Measure at the motor starter and record the amp draw of the wash pump motor(s). Use a clamp on amp meter. **Caution! Be sure that only a qualified electrician performs this maintenance task!** If the actual amp draw reading exceeds your baseline reading taken when your washer was first installed inspect

your nozzles for wear. If worn replace the nozzles.



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Grease *Turntable Drive Bearings* with Mobilith AW2.

Grease *Upper PBM Manifold Bearing* with Mobilith AW2.



Oil the *ASE & Burner Blower Motors*.

NOTE: Do not use any grease other than the type specified for all applications. **Lubriplate 1444** for turntable bearings and PBM Swivel and **Mobilith AW2** for the remaining grease locations (pump motor, pump bearings, turntable drive bearings, upper PBM manifold bearing). Using the wrong grease type can damage the bearings and void your warranty. MART has thoroughly tested various greases and determined the optimum type for each use. MART Tech Services stocks both types of recommended grease for immediate delivery.



Listen for water fill.

Water Solenoids & Float Assembly. Remove the float assembly from the box exposing the float ball. Clean the float ball to maintain the proper buoyancy and remove any build-up of sludge from the float ball reservoir. Check water solenoids for proper operation by raising the float ball up and down to simulate low water level.



Every 1100 Hours of Operation:



Grease *Hub Style Turntable bearings* on Cyclone 30 & Tornado 40 machines with Lubriplate 1444. Remove the turntable and hub rubber cap. Pump the bearings full of grease through the single grease fitting until fresh grease is seen below the hub.

Clean & Inspect Wash Pump Couplings: Remove the coupling guard from the pump and visually inspect the couplings to make sure that they are tightened to the motor and pump shafts and that the elastomeric spider is intact and not broken or torn.



Grease Wash Pump and Motor: Refer to the Carver pump manual for proper grease amounts for the pumps. Do NOT over-grease the PUMP bearings. Over greasing can lead to high heat and bearing failure.

Grease Door Bearings with AW2. Grease the upper and lower door bearings with Mobilith AW2 until fresh grease is seen flowing from the bearings.

For more details please see the MART Power Washer Manual or our website.

For further information please contact
MART Tech Services
M-F 8:00 AM to 5:00 PM (central)
or visit our SUPPORT website
24 hour 7days a week.
www.marttechservices.com