

Service Bulletin: MART Power Washer

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Subject: Are your parts as clean as they could be?

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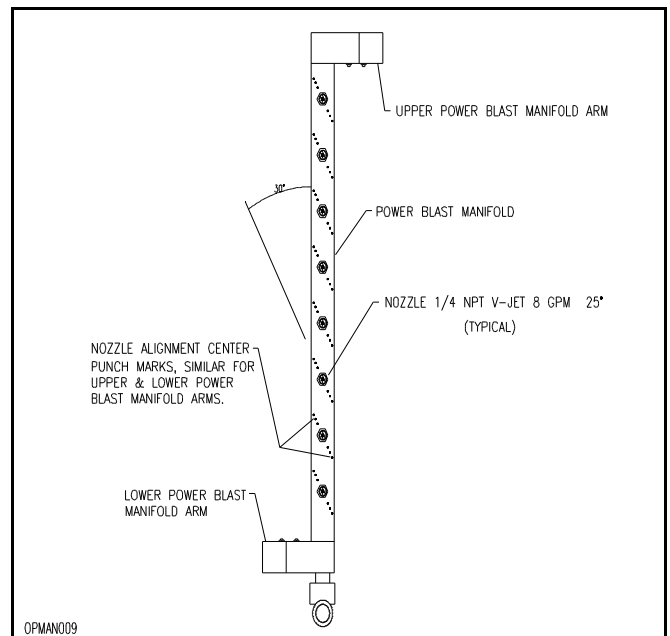
Are you wondering why your parts are not getting as clean as they did before? The following items are things to check to insure your MART washer is cleaning the most effectively.

Power Blast Manifold: The PBM pivots on its vertical axis, driven by a gear motor through a crank-and-arm. This produces an oscillation and return throughout the wash cycle so the wash load is blasted from a different angle each time it passes the nozzles. It is important to make sure that your PBM is oscillating during the wash cycle. To do this: Inspect the PBM linkage on top of the wash cabinet, make sure it is connected. Run a wash cycle and watch the linkage and PBM shaft. Make sure the linkage oscillates the PBM shaft during the wash cycle.

Turntable Rotation: The turntable is mounted on the inside of the cabinet door on a support arm. During the wash cycle the turntable is driven by the turntable drive assembly. This system rotates the turntable and controls its speed. It also has a clutch to allow table slippage if the wash load shifts and jams the turntable. It is important that the turntable is rotating during the wash cycle to achieve optimal cleaning. During a wash cycle watch the lower part of the turntable drive shaft below the clutch and make sure it is turning.

Wash nozzles. One of the most common factors for poor cleaning results can be traced to the wash nozzles. Nozzle wear not only affects cleaning results but it can also cause overloading of the pump motors. Even though the opening diameter of the nozzles is larger than the openings in the pump suction filter nozzles do get clogged and need to be cleaned regularly. The nozzle orientation and PBM is carefully designed to allow each nozzle to blast on its own plane and not interfere with the blast from other nozzles. This ensures that virtually all the blasting force reaches the parts. To inspect your nozzles you

need to do three things, First inspect all nozzles and make sure that they are clean and do not have particles blocking the flow from the pump. Second, while running a wash cycle measure your pump amp draw. If the pumps are measuring amps above their full load amps times the service factor or if you are experiencing nuisance tripping of your pump motor overloads, replace the nozzles with a new set of the same size and type. Nozzles are available from the MART Technical Service Department. Third, verify that all the nozzles fan spray pattern is aligned in the correct orientation to avoid interference. To do this review the drawing below. Note that the "V" in the nozzle is aligned with a set of punch marks that was put on the PBM at the factory. Adjust any nozzles that are not aligned with the punch marks.



Please call Mart Technical Services for further information or other issues regarding the care and maintenance of your MART Power Washer. We would love to hear from you!

For MART Technical Services call:

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