



To be completed by MART Field Service Representative or Company Authorized Individual. This completed form must be returned to initiate Owner Warranty

Machine Serial No. \_\_\_\_\_ Model \_\_\_\_\_ Pump Size \_\_\_\_\_  
 Customer \_\_\_\_\_  
 Contact \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_  
 E-Mail \_\_\_\_\_

**PRELIMINARY INSPECTION:**

Inspect Power Washer for shipping or installation damage. Note damages, if any

Is machine leveled properly so that when the door is open 45° the door does not move? [ ] Yes [ ] No  
 Is machine properly anchored to floor? [ ] Yes [ ] No  
 Are shims placed under the frame to support the machine? [ ] Yes [ ] No

**Service and Connections:**

**Inputs:**

Heat System Source: [ ] Natural Gas [ ] Propane [ ] Electric [ ] Steam (Fill out Applicable Section:

**Natural Gas and Propane System**

**Gas Line**

Diameter \_\_\_\_\_ in (Note: Supply pipe size affects maximum burner firing rate)  
 Material \_\_\_\_\_  
 Approximate distance to next larger size line or fuel tank \_\_\_\_\_ ft  
 Number & type of elbows \_\_\_\_\_  
 Gas Pressure \_\_\_\_\_ water column inches (wci)

**Gas Flue Pipe**

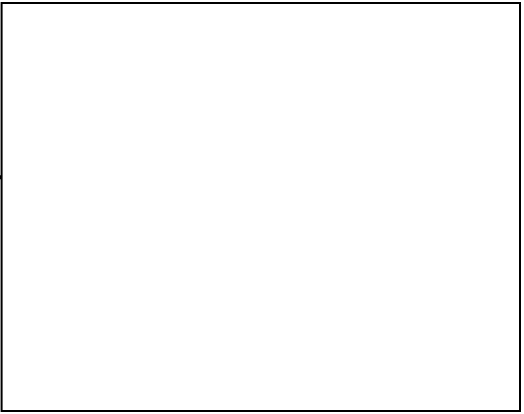
Material \_\_\_\_\_  
 Diameter \_\_\_\_\_ in  
 Number & type of elbows \_\_\_\_\_  
 Vertical length \_\_\_\_\_ ft  
 Horizontal length \_\_\_\_\_ ft  
 Is rain cap installed? [ ] Yes [ ] No  
 Is flue vent above highest point of roofline? [ ] Yes [ ] No  
 If no, explain \_\_\_\_\_



**Make a sketch** of the flue pipe run in the space to the right. >>>>

**Gas Burner Electrical Connection:**

Is burner connected per the operating manual? [ ] Yes [ ] No  
 Is connection made via conduit provided? [ ] Yes [ ] No



**Steam Heat System**  
 Steam Pressure \_\_\_\_\_ psi  
 Supply pipe Diameter \_\_\_\_\_ in  
 Pipe Material \_\_\_\_\_  
 Is supply pipe insulated? [ ] Yes [ ] No  
 Approximate distance to next larger size line \_\_\_\_\_ feet  
 Is there a strainer in front of the steam valve? [ ] Yes [ ] No  
 Is there a steam pressure gage near the supply line [ ] Yes [ ] No  
 Does condensate return line drain via gravity [ ] Yes [ ] No  
 Is condensate drain line lower than steam trap? [ ] Yes [ ] No

**Water Supply:**  
 Is water strainer inline with system [ ] Yes [ ] No  
 Incoming Water pressure \_\_\_\_\_ psi  
 Is a shut off valve installed [ ] Yes [ ] No

**Compressed Air Supply (If applicable)**  
 Diameter \_\_\_\_\_ in  
 Material type \_\_\_\_\_  
 Any quick disconnects [ ] Yes [ ] No  
 Pressure \_\_\_\_\_ psi  
 Distance to next larger supply line \_\_\_\_\_ ft  
 Is an inline filter installed? [ ] Yes [ ] No  
 Is a regulator installed [ ] Yes [ ] No



**Electrical**  
 Tightness verified on ALL electrical connections? [ ] Yes [ ] No  
 Feeder wire size of incoming supply \_\_\_\_\_  
 Is washer electrically ground? [ ] Yes [ ] No To where/what? \_\_\_\_\_  
 Is ground wire the same size as the supply feeder wires? [ ] Yes [ ] No  
 Incoming 3 phase voltage \_\_\_\_\_  
 Is a Master disconnect installed? [ ] Yes [ ] No  
 Supply fuse or circuit breaker size: \_\_\_\_\_ amps  
 Supply run length \_\_\_\_\_ feet  
 Is supply properly installed in conduit and with sealed electrical connections to electrical panel? [ ] Yes [ ] No  
 Does supply enter the top of the electrical panel? [ ] Yes [ ] No

**Water Makeup**  
 Supply pipe diameter \_\_\_\_\_ in  
 Line pressure \_\_\_\_\_ psi  
 Distance to next larger supply line \_\_\_\_\_ ft

**Steam Exhaust**  
 Does machine have a Hot Air Blow Off [ ] Yes [ ] No  
 Stack Material \_\_\_\_\_  
 Diameter \_\_\_\_\_ in  
 Number & type of elbows \_\_\_\_\_  
 Vertical length \_\_\_\_\_ ft  
 Horizontal length \_\_\_\_\_ ft  
 Is a rain cap installed? [ ] Yes [ ] No  
 ASE unit installed \_\_\_\_\_ ft from Power Washer.  
 ASE unit Mounted: Vertical \_\_\_\_\_ Horizontal \_\_\_\_\_  
 Is ASE exhaust point above highest point of roofline [ ] Yes [ ] No  
 If no, explain \_\_\_\_\_

If the Steam Exhaust Venturi is installed horizontal is the FAN mounted so that it is 45 from the vertical as shown in the manual? [ ] Yes [ ] No  
 Is power supply to ASE unit in conduit? [ ] Yes [ ] No  
 Have connections to the ASE unit been made per the operating manual? [ ] Yes [ ] No

**STARTUP PROCEDURE**

***Read Safety Instructions and Warnings Section in MART Operating Manual Before Proceeding***

*Follow the detail instruction in the MART Operating Manual under Start-Up Procedure*

Outline of Procedure:

- Lubricate machine if it is more than 6 months after shipment.
- Power-up
- Fill machine with water, verify operation of water management system.
- Check and verify operation of 7-day clock and other control settings.
- Measure control voltage: Transformer Secondary Voltage: \_\_\_\_\_
- Start heating system, record start time and initial water temperature.  
 Start Time: \_\_\_\_\_ Water temperature: \_\_\_\_\_
- Gas Burner Start-up (if applicable)

To be performed by qualified gas burner/boiler technician

Measure and record incoming gas pressure (burner unfired) \_\_\_\_\_ w.c.i.  
 Measure and record incoming gas pressure (burner fired) \_\_\_\_\_ w.c.i.  
 Measure and record manifold gas pressure (burner fired) \_\_\_\_\_ w.c.i.  
 Measure and record exhaust stack temperature with burner fired and water at high temperature \_\_\_\_\_ ° F.  
 Measure and record exhaust emissions  
 CO \_\_\_\_\_ ppm Oxygen \_\_\_\_\_ % CO<sub>2</sub> \_\_\_\_\_ % excess air \_\_\_\_\_  
 Test measurements taken by \_\_\_\_\_  
 Company \_\_\_\_\_ - Phone # \_\_\_\_\_

- Bump start pumps to verify direction of rotation to arrow on pumps. Check rotation direction on each of the pumps and the sludge scraper if the machine is so equipped. Swap phases if required. Do all the pumps run in the correct direction? [ ] Yes [ ] No
- Check Pumps. Do pumps start, run, and stop smoothly with no vibrations? [ ] Yes [ ] No
- Start pumps and record voltage and amp readings between each power leg (phase to phase).

		Leg 1	Leg 2	Leg 3
Boost pump:	Voltage running	volts	volts	volts
	Amp Draw	amps	amps	amps
Main pump:	Voltage running	volts	volts	volts
	Amp Draw	amps	amps	amps

• **Cycle Test**

APE / Wash Delay Adjustment to prevent Water hammer (if applicable): Do not stand in front of Power Washer when performing this test. With washer at full operating temperature, after allowing ambient air to enter cabinet for at least 30 seconds, close the door and Start wash cycle. If water “blows” out of the front reservoir or under the door adjust APE or Wash Delay Timer per Operating Manual.

APE system (if applicable)

Air pressure (static) \_\_\_\_\_ psi. Air pressure (operating) \_\_\_\_\_ psi. Run time: \_\_\_\_\_ sec

APE is adjusted to prevent Water Hammer: [ ] Yes [ ] No



**Operational/Safety Checks**

Do pump/s and heat systems shut down when the float rod is pushed down? [ ] Yes [ ] No  
Wash cycle aborts when Door Close limit switch senses door not closed properly. [ ] Yes [ ] No  
Turntable drive system aligned with turntable: [ ] Yes [ ] No  
PBM operates smoothly, yellow flag on top of PBM shaft is moving properly: [ ] Yes [ ] No  
All operator controls function as expected & as designed: [ ] Yes [ ] No  
Rinse system Functioning properly: [ ] Yes [ ] No  
Auto Steam Exhaust (ASE) system operates and prevents steam appearing around door seals or front covers during wash cycle? Yes \_\_\_\_ No \_\_\_\_ If yes, explain

• **Chemical Charging:**

Add Detergent/chemical & titrate concentration:  
Chemical Brand/Name: \_\_\_\_\_  
Machine Reservoir volume: \_\_\_\_\_ Gal  
Total Chemical amount added: \_\_\_\_\_ [ ] Gal [ ] Lbs  
Titration Concentration \_\_\_\_\_ Oz/gallon



- Measure and record time to reach operating temperature of 185-190° F.  
Time of day: \_\_\_\_\_ Total Heat-up time \_\_\_\_\_ min.
- Program 7-Day Clock: Clock is programmed : [ ] Yes [ ] No
- Set Rinse timer (if applicable) Set time to \_\_\_\_\_ minutes

**TEST WASH OF ACTUAL PARTS** Test wash actual parts and record results.

Cleanliness: Excellent \_\_\_\_ Good \_\_\_\_ Fair \_\_\_\_ Poor \_\_\_\_ Wash cycle time: \_\_\_\_\_ min.  
Comments: \_\_\_\_\_

Thank you for taking time to complete this form. Should you have any questions on your MART Power Washer during this test, or anytime in the future, please call MART Tech Services 1-888-720-7222 or visit our 24/7 User Support website at [www.marttechservices.com](http://www.marttechservices.com)

To begin your MART Warranty, please sign and return your start-up form to MART Tech Services.

Authorized Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

