



Manufactured by Mi-T-M  
8650 Enterprise Drive, Peosta IA 52068  
563-556-7484/ Fax 563-556-1235

## SAND INJECTORS AW-3000-0000 AW-3020-0000

### SAFETY PRECAUTIONS

1. You as the owner of this Sand Injector are responsible for the safety of the operator. Read and understand this manual. Provide a copy to the operator as standard procedure.
2. Before attempting to install this injector, make sure the machine is shut off and the pressure in the system is released (by triggering the gun momentarily).
3. Protective goggles are supplied with this sand injector.
4. Always wear eye protection when using a pressure washer. Other protective clothing, i.e. rubber suits, rubber gloves, respirator, etc. may be necessary. Read sand label for recommended precautions.
5. When using the injector with a pressure washer, the operator must be provided with an operator's manual for that model and become acquainted with all the safety, installation and operational procedures provided therein.

### INSTALLATION AND OPERATION INSTRUCTIONS

#### ATTACHING THE INJECTOR:

The quick connect on the sand injector head should be securely snapped into the quick connect on the end of the wand. (Fig. A)

In order to adjust the sand flow, turn the pet valve on top of the injector head. (Fig. B)

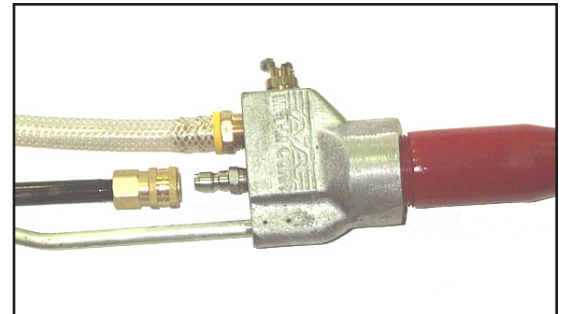
Turning the pet valve clockwise will increase the sand flow and turning the pet valve counterclockwise will decrease the sand flow.

#### USING THE SAND PROBE:

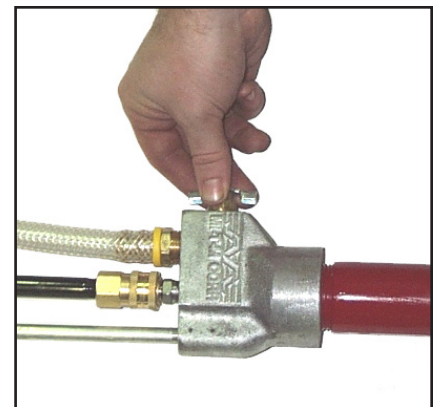
The vinyl sand hose should be attached to the metal tube sand probe.

When using the probe, simply lay the entire metal probe in the bottom of the container into which you will be pouring the sand or insert it into a container of sand. It is absolutely imperative that the short length of the hose be totally exposed to the atmosphere without obstruction. This serves to vent air and produce a smooth steady sand flow. If this air flow is impaired, the flow will pulsate and clog. As long as the hose is vented into the air, the probe may be totally submerged into the sand.

With the wet sand blast attachment installed in this manner, sand will mix with the high pressure water whenever the gun is triggered. It is advisable to remove the carbide nozzle frequently to check if for internal erosion. When excessively worn, it should be replaced.



(Fig. A)



(Fig. B)

### CAUTION

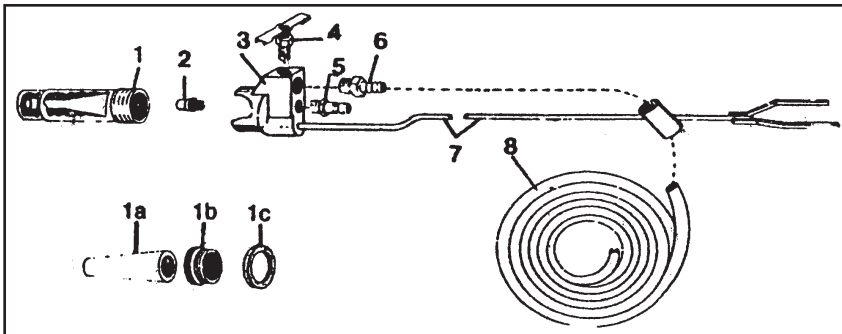
**RISK OF INJURY! READ ENTIRE MANUAL BEFORE OPERATING!  
THIS MANUAL IS AN IMPORTANT PART OF THE SAND INJECTOR AND MUST REMAIN WITH THIS UNIT!**

TROUBLESHOOTING:

SYMPTOM	PROBABLE CAUSES	REMEDY
No Sand.	Obstructed hose, probe, probe vent hose, hopper or mixing head.	Clear all obstructions. Assure all sand passages are open.
	Sand is wet or damp possible due to rain or high humidity.	Dry or replace sand.
	Low vacuum.	Close pet valve. (Turn counterclockwise.)
Not enough sand.	Low water pressure.	Be certain pressure washer is performing up to rated specifications.
	Incorrect spray nozzle size in mixing head.	Replace with 0° nozzle that matches pressure washer specifications.
	Collapsed or cut sand hose.	Inspect hose. Replace as necessary.
Water flow back into sand hose.	Partially obstructed hose, probe, probe vent hose, hopper or mixing head.	Clear all obstructions. Assure all sand passages are open.
	Obstruction is mixing head.	Remove obstruction.
Pulsating sand flow.	Operating at an upward angle.	During operation, keep wand level or pointed downward.
	Wet sand or water in line.	Point wand downward and squeeze trigger to purge.

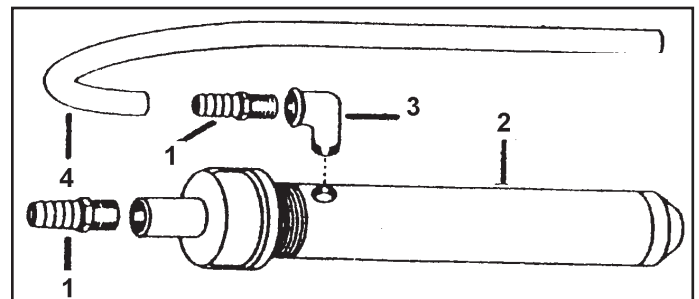
PARTS LISTING:

**SAND INJECTOR WAND EXPLODED VIEW**



SAND INJECTOR WAND PARTS LISTING		
REF. #	DESCRIPTION	PART NO.
1	Carbide Nozzle	18-0113
1A	Ceramic Nozzle	18-0061
1B	Nozzle Retainer	50-0005
1C	Nozzle Gasket	26-0086
2	Water Nozzle 0°	Specify Size
3	Mixing Head	50-0003
4	Pet Valve	23-0010
5	Quick Connect	17-0002
6	Hose Barb	23-0005
7	Support Rod	50-0002
8	Hose *(Twenty-Five Feet Required)	15-0026
	Safety Goggles	33-0013
	Mixing Head and Support Rod (Inc. 4, 8)	50-0023
*Must Order in One Foot Lengths		

**SAND PROBE EXPLODED VIEW**



SAND PROBE PARTS LISTING		
REF. #	DESCRIPTION	PART NO.
1	Hose Barb	23-0004
2	Probe Tube	50-0004
3	Elbow	23-0014
4	Hose *(Five Feet Required)	15-0026
*Must Order in One Foot Lengths		

**NOTE:** Specify exact pressure washer model when ordering.