

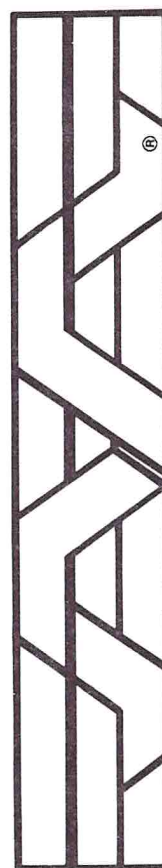
- 514 -

Mi-T-M[®]

SAND INJECTOR

OPERATION AND PARTS MANUAL

Model AW-3000-0000
Model AW-3010-0000
Model AW-3020-0000
Model AW-3030-0000



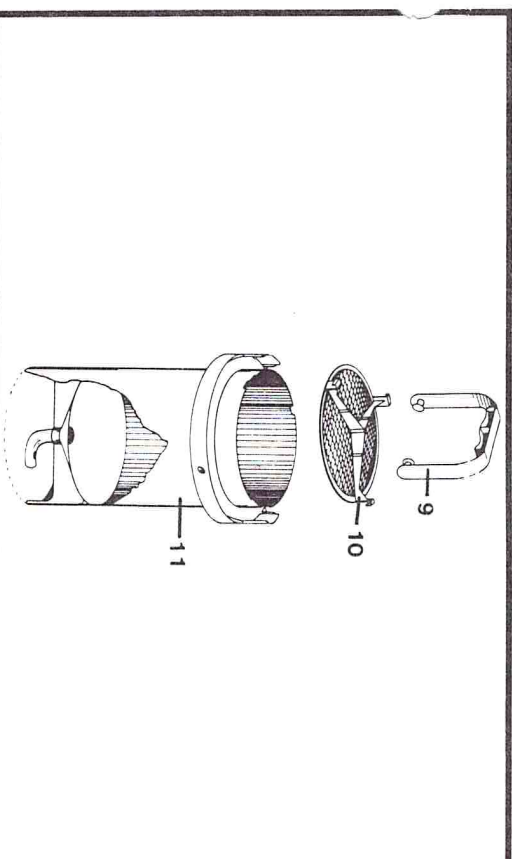
Mi-T-M[®] CORPORATION ■ Peosta, IA 52068
800-553-9053 / 319-556-7484 / FAX 319-556-1235

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.

40 POUND CAPACITY HOPPER EXPLODED VIEW

(AW-3010-0000 & AW-3030-0000 MODELS)

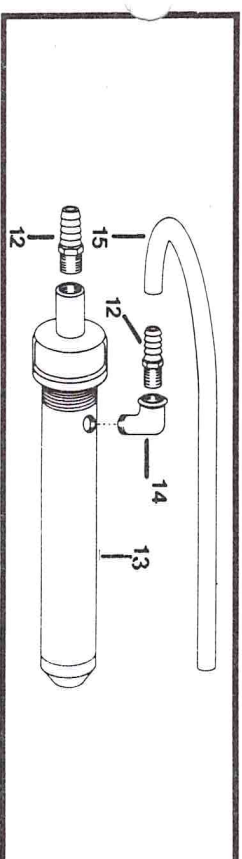


40 POUND CAPACITY HOPPER PARTS LISTING

Ref. No.	Description	Part No.
9	Hopper handle.....	7-0020
10	Hopper screen.....	19-0017
11	Sand hopper.....	50-0017

SAND PROBE EXPLODED VIEW

(AW-3000-0000 & AW-3020-0000 MODELS)

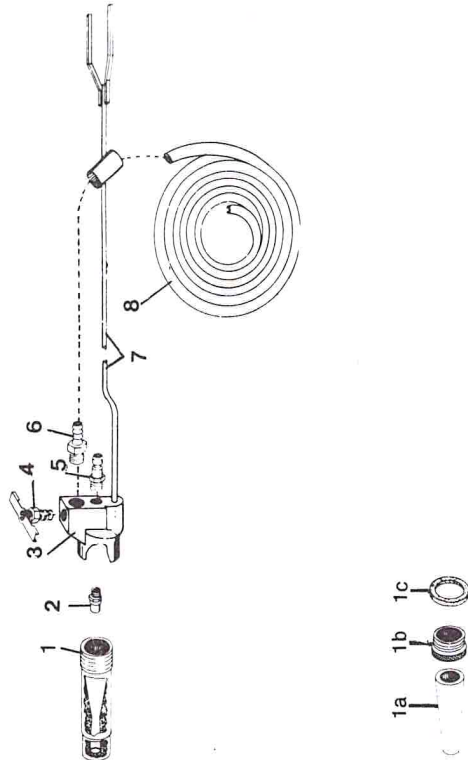


SAND PROBE PARTS LISTING

Ref. No.	Description	Part No.
12	Hose barb.....	23-0004
13	Probe tube.....	50-0004
14	Elbow 1/4" F x 1/4" M.....	23-0014
15	Hose 1/2" nylon braid (5 ft. required) *	15-0026

*Order in 1 foot lengths
Note: Specify exact pressure washer model when ordering.

SAND INJECTOR WAND EXPLODED VIEW



SAND INJECTOR WAND PARTS LISTING

Ref. No.	Description	Part No.
1	Carbide nozzle	18-011
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 1/4"M x 1/4"M thread	17-0002
6	Hose barb 1/2"M thread x 1/2"	23-0005
7	Support rod	50-0002
8	Hose 1/2" nylon braid (25 feet required)*	15-0026
	(Not shown) Safety goggles	33-0013
	(Not shown) Mixing head and support rod	
	(Includes items 4 & 8)	50-0023

INSTALLATION AND OPERATION INSTRUCTIONS

ATTACHING THE INJECTOR:

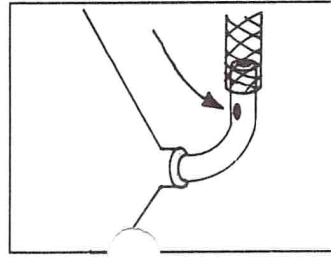
A quick connect on the sand injector head should be securely snapped into the quick connect on the end of the wand. (See A)

In order to adjust the sand flow, turn the pet valve on top of the injector head. (See B) Turning it clockwise will reduce the sand flow and turning it counter-clockwise will increase the sand flow.

USING THE 40 POUND CAPACITY HOPPER: (AW-3010-0000 & AW-3030-0000 MODELS)

The end of the vinyl hose should be inserted onto the copper tubing at the bottom of the sand hopper container. (See C)

SPECIAL CARE SHOULD BE TAKEN TO AVOID COVERING THE SMALL VENT ON THE TOP OF THE COPPER TUBING. SAND FLOW WILL BE GREATLY RESTRICTED IF THE HOSE COVERS THE HOLE.



When the hose is properly attached, stand the hopper upright and make sure that the hose is not pinched or obstructed. (See D) Fill the hopper with sand, pouring it through the screen whenever practical.

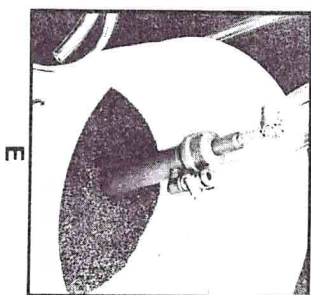
INSTALLATION AND OPERATION INSTRUCTIONS, CONT'D)

USING THE SAND PROBE: (AW-3000-0000 & AW-3020-0000 MODELS)

The vinyl sand hose should be attached to the metal tube sand probe. (See E)

In 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 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 it for internal erosion. When excessively worn, it should be replaced.



TROUBLESHOOTING

SYMPTOM	PROBABLE CAUSES	REMEDY
A) 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 possibly due to rain or high humidity. Low vacuum.	Dry or replace sand. Close pet valve. (Turn counter-clockwise.)
B) Not enough sand.	Low water pressure. Incorrect spray nozzle size in mixing head. Collapsed or cut sand hose. Partially obstructed hose, probe, probe vent hose, hopper or mixing head.	Be certain pressure washer is performing up to rated specifications. Replace with 0° nozzle that matches pressure washer specifications. Inspect hose. Replace as necessary. Clear all obstructions. Assure all sand passages are open.
C) Water flow back into sand hose.	Obstruction in mixing head. Operating at an upward angle.	Remove obstruction. During operation keep wand level or pointed downward.
D) Pulsating sand flow.	Wet sand or water in line.	Point wand downward and squeeze trigger to purge.