6" AIR MOTOR SINGLE POST RAM PACKAGE **46:1 RATIO 5 GALLON 6" STROKE READ THIS MANUAL CAREFULLY BEFORE INSTALLING, OPERATING OR SERVICING THIS EQUIPMENT. SERVICE KITS** SP0646X2XXXXXXXX RAM PACKAGE Use only genuine ARO[®] replacement parts to assure compatible pressure rating and longest service life. • 637489 for repair of air motor section. 104302 for repair of R37121-100 regulator. • 104327 for repair of P39344-110 filter / regulator. • 637465 for repair of lift / ram seals. • 637074-X43-B for repair of 66266-X43-B lower end pump section on SP0646S2XXXXXXX models. K1380TXXXXXX for repair of 1380T11XX47 lower pump section on SP0646T2XXXXXXX models. **MODEL DESCRIPTION CHART** <u>SP 06 46 X 2 XXXXX XX X</u> Package SP - Single Post Air Motor Size 06 - 6" **Pump Ratio** 46 - 46:1 **Check Type / Wetted Materials** S - Chop Check / Carbon Steel T - Chop Check / Stainless Steel Mount Style 2 - 5 gallon Figure 1 Lower Pump End Options **GENERAL DESCRIPTION** Refer to pump model operator's manual **Follower Assembly** E1 - 67485-2 A7 - 67347-2 E3 - 67485-1 A8-67347-1 E5 - 67485-3 T7-67347-12 EA - 66732-1 T8-67347-11 FB - 66732-2 TU - 67532-1 EC - 66732 S2 - 67536-1 Package Option 0 - None - Basic Control for Ram only container. 2 - Advanced Ram and Pump Controls

INCLUDING: OPERATION, INSTALLATION AND MAINTENANCE. INCLUDE MANUALS: AF0646SXXXXXX-XX-X Extrusion Pump (97999-1508), AF0646TXXXXXX-XX-X Extrusion Pump

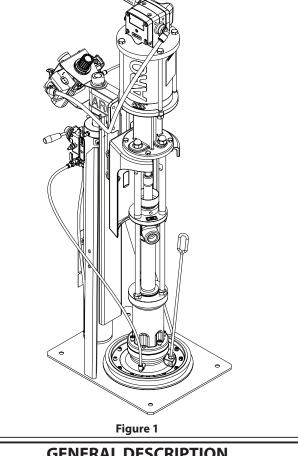
OPERATOR'S MANUAL

(97999-1923), 66732-X Follower Plate (pn 97999-213), 67485-X Follower Assembly (pn 97999-1808), 67347-X Follower Assembly (pn 97999-1102), 67532-X Follower Assembly (pn 97999-1914), 67536-X Follower Assembly (pn 97999-1912), RM051S-XXX-XX-B Single Post Lift / Ram (pn 97999-1790) and S-636 General Information (pn 97999-636)

RELEASED: 3-24-10 **REVISED:** 11-26-21 (REV: G)

It is the responsibility of the employer to place this information in the hands of the operator. Keep for future reference.





SP0646X2XXXXXX

By delivering a smooth, continuous bead of the proper size, an ARO system helps the operator maintain both production rate and produce high quality standards. Maintained quality standards assures that the material benefits are realized. To further maximize operator production time, the ARO system has a built-in lift / ram feature for quick and easy drum changeover and easy lifting of the pump assembly from the

ARO systems are totally enclosed, sealing the material in the system from air and moisture, preventing premature cure-out of the material. This allows for either continuous or intermittent use of the system and allows the need for daily system clean-up.



INSTALLATION

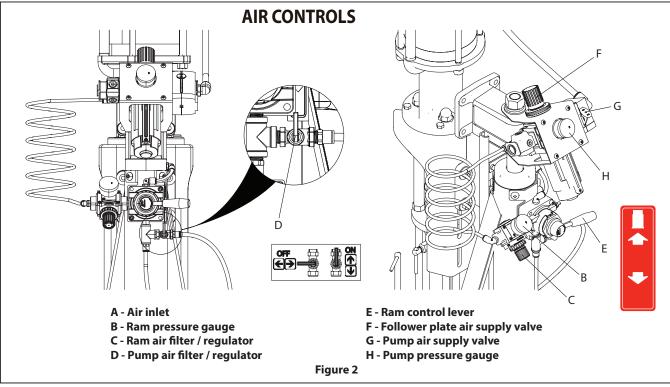
The SP0646X2XXXXXX Ram System comes completely assembled. Remove the unit from the crate and place on a level surface. Install the material hose and dispensing device as required. When the following instructions are observed, heavy paste materials can be pumped directly from their original drum without air inclusion or excessive waste. The follower plate creates an air tight seal as well as clean-wiping action in its progressive downward movement into the drum.

Post Lift / Ram Operator's Manual.

OPERATING INSTRUCTIONS T-UP PROCEDURE Read the warnings on page 3 of RM051S-XXX-XX-B Single

OPERATING INSTRUCTIONS / INITIAL SET-UP PROCEDURE

WARNING STAND CLEAR WHEN RAISING OR LOWERING THE LIFT.



TO RAISE THE LIFT, (THE FIRST TIME):

- Take note of the pump / drum clearance above. Be certain the lift / ram is clear of any objects above. Also, refer to "Operating and Safety Precautions" found on page 3 of RM051S-XXX-XX-B Single Post Lift / Ram Operator's Manual.
- 2. Connect the air supply (115 psig / 7.9 bar max.) to the air inlet. Adjust the air pressure on the lift / ram pressure regulator (turn the knob clockwise) to 20 psig (1.4 bar).
- 3. Shift the control valve lever to the "up" position.
- 4. Raise the lift / ram high enough to clear the height of the drum. Stop the lift upward travel by moving the control valve lever to the "neutral" (center) position.
- 5. Once the lift / ram assembly and pump are in the "up" position, place and center an opened drum of material on the lift / ram base.
- Lubricate the lower follower wiper plate seal with grease. NOTE: Make certain the grease is compatible with the material being dispensed. This ensures a smooth fit into the drum, as well as prevents curing type compounds from bonding to the seal.
- 7. Check the vent plug on the follower plate to be sure it easily threads in and out. It is recommended to lubricate the threads of the plug to help prevent possible set-up of the compound at this point (see RM051S-XXX-XX-B Operator's Manual).

TO LOWER LIFT:

▲ WARNING PINCH HAZARD. Follower can descend quickly, causing injury. Keep hands clear when aligning with container. Read the warnings on page 3 of RM051S-XXX-XX-B Single Post Lift / Ram Operator's Manual.

NOTE: Be certain the follower plate vent plug has been removed so that the air trapped between the follower and the material is allowed to escape from this vent.

NOTE: The lift / ram may hesitate momentarily before starting downward. The air pressure inside the post air chamber must decrease before it will begin to descend.

- 1. Shift the control valve lever to the "down" position and proceed to lower the pump.
- 2. Replace the vent plug once the material begins to ooze from the vent opening.
- 3. The unit is now ready for operation. Open the pump air supply valve. Adjust the air pressure on the pump filter / regulator (turn the pump regulator knob clockwise) until the pump begins to cycle.
- 4. Trigger the gun to prime the pump with material.

TO RAISE LIFT, (NORMAL OPERATION):

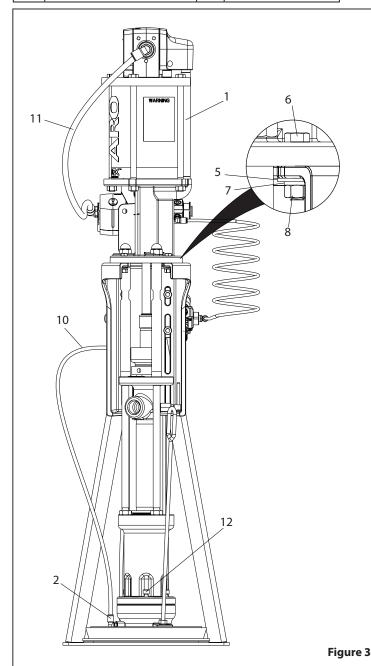
- 1. Close the pump air supply valve.
- Adjust the follower plate air valve pressure up to approximately 8 psig (0.55 bar). DO NOT OVER PRESSURIZE THE DRUM to avoid damage. NOTE: Air from this valve will only pass when the control lever is in the "up" position.
- 3. Shift the control valve lever to the "up" position.
- 4. Raise the lift / ram high enough to clear the height of the drum. Stop the lift upward travel by moving the control valve lever to the "neutral" (center) position.

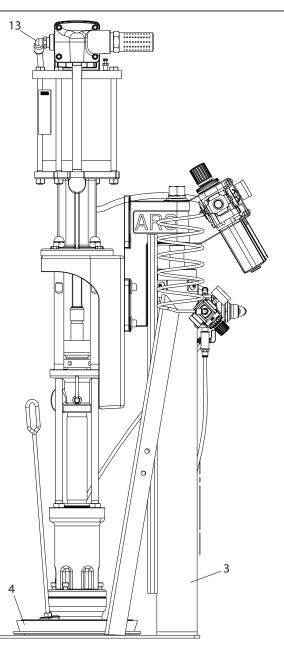
TO CHANGE THE DRUM:

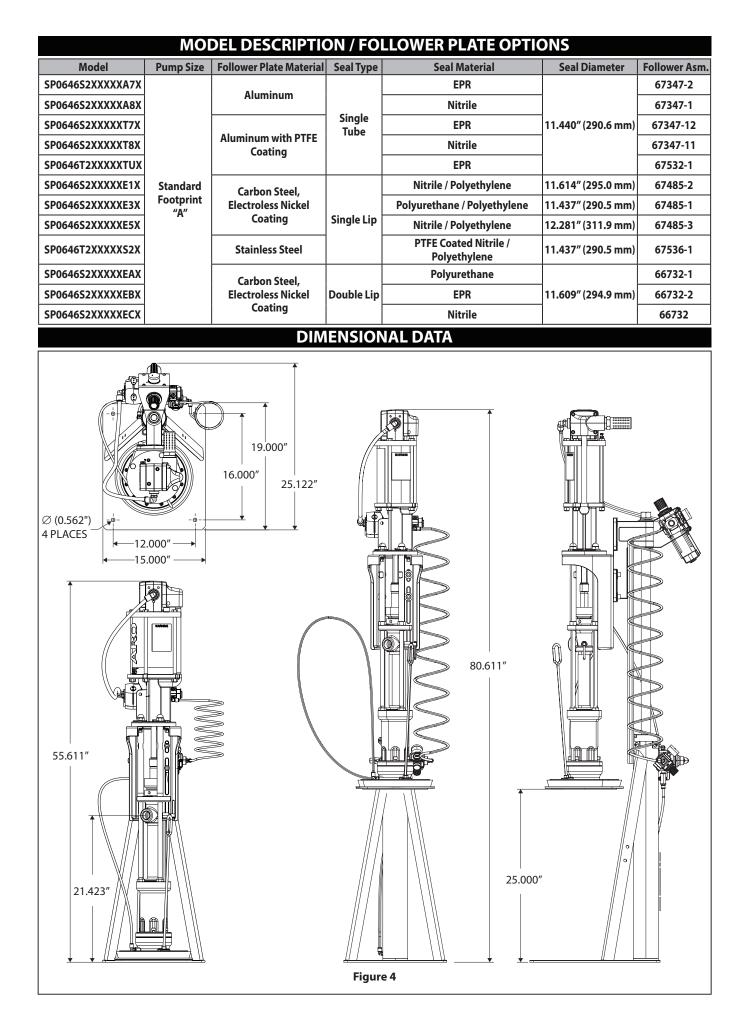
NOTE: The control valve lever must be in the "neutral" position and the pump air supply valve should be closed.

- 1. To avoid damage, **DO NOT OVER PRESSURIZE THE DRUM.**
- 2. Open the follower plate air supply valve to allow air under the follower plate.
- 3. Shift the control valve lever to the "up" position.
- 4. Unscrew the thumb screw and remove the old drum.

PARTS LIST / SP0646X2XXXXXXXX								
Item	Description (size)	Qty	Part No.	I	ltem	Description (size)	Qty	Part No.
1	Pump Assembly	(1)	AF064651XXXXX (for SP0646 <u>5</u> 2XXXXXXX) AF0646T1XXXXX (for SP0646 <u>T</u> 2XXXXXXXX)		8	Nut (3/8" - 16)	(4)	Y12-6-C
		(1)			9	Wet-Sol "Plus" (1 quart) (not shown)	(1)	66333-B
					*10	Tubing (5/16" o.d. x 38")	(1)	94980-(②)
*2	Male Elbow	(1)	59756-58		*11	Tubing (1/2" o.d. x 33")	(1)	94978-(①)
*3	Single-Post Lift / Ram	(1)	RM051S-XXX-XX-B		*12	Cap Screw	(4)	Y99-63-C
*4	Follower Assembly				*13	90° Male Fitting (1/2 NPT x 1/2" OD)	(1)	59756-362
	(see model description chart on page 4)				0	Bulk Tubing (1/2" o.d. x 100')	(1)	94978-100
5	Washer	(1)	Y13-6-C		2	Bulk Tubing (5/16" o.d. x 100')	(1)	94980-100
6	Cap Screw (3/8" - 16 x 1-1/2")	(4)	Y6-67-C		*	Included with RM051S-XXX-XX-B.		
7	Lock Washer (3/8")	(4)	Y14-616-C	L				









SP0646X2XXXXXXX (en)