

OPERATOR'S MANUAL

INCLUDING: OPERATION, INSTALLATION & MAINTENANCE

640105
640110

RELEASED: 12-4-58
REVISED: 8-9-94
(REV. F) IPP/PSE

ARO PAK

640105

WITH LOW PRESSURE CONTROL HANDLE

640110

WITH HIGH PRESSURE CONTROL HANDLE

IMPORTANT: READ THIS MANUAL CAREFULLY BEFORE INSTALLING, OPERATING OR SERVICING THIS EQUIPMENT.

GENERAL DESCRIPTION

This manual covers both low pressure and high pressure Aro-Pak systems.

- 640105 Develops Max. working pressure 3500 P.S.I. (241 Bar).
- 640110 Develops Max. working pressure 7500 P.S.I. (517 Bar).
- The Aro-Pak holds 5 pounds of lubricant.
- Continuous pressure is exerted on the grease by a 40 P.S.I. (2.7 Bar) charge of air which should last approximately one year. The air pressure pushes a cup upward and forces the lubricant out through the hose to the Booster Gun. It does NOT have to be recharged each time it is filled.
- The Booster Gun is "Primed" by this forced lubricant supply and lubricant pressure on the fitting is built up by a series of squeezes on the handle.
- The Aro-Pak will fill two ways.
- Thru the 6064 Filler Fitting using an air operated Chassis Pump.
- Thru the Aro-Pak discharge hose using a hand operated Filler Pump

INSTALLATION

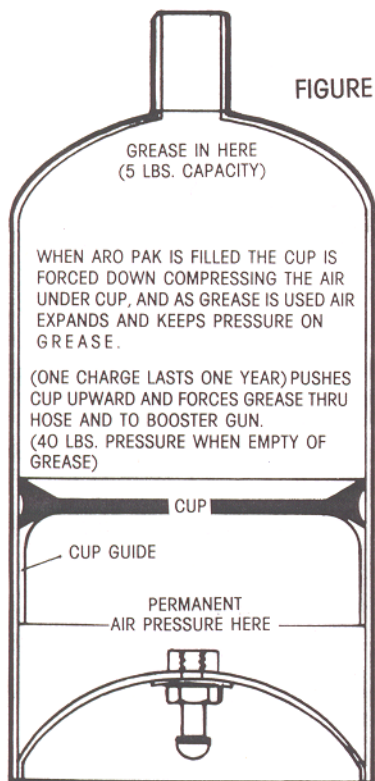


FIGURE 1

PRIMING ARO-PAK WITH AIR

- Note: Charge with air (prime) before assembly or filling with grease.
- Remove valve cap from valve stem.

- Apply air to valve. CHARGE TO 40 PSI. DO NOT OVERCHARGE OR UNDER CHARGE. This charge will last about one year.
- To check charge use a standard tire gauge.
- A slight amount of grease may come from top of Aro-Pak when air is applied (due to factory testing.)

ATTACHMENT OF HOSE

NOTE: If a hand operated filler method is to be used skip this step or now and go to FILLING INSTRUCTIONS.

- Attach hose to Aro-Pak by inserting hose into connector and retain with groove pin.
- Place groove pin into hole in connector body as far as it will go. Check to be sure hose fits tightly in connector body.

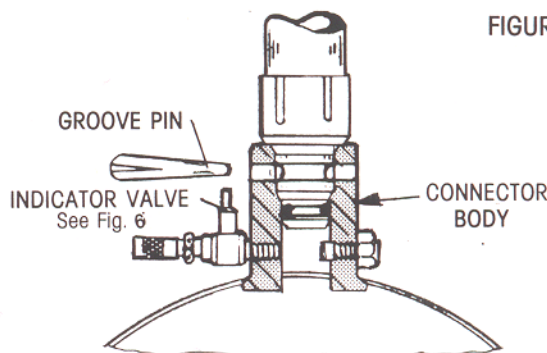


FIGURE 2

FILLING INSTRUCTIONS

- Container must be charged with air, (See INSTALLATION.)

USING AN AIR OPERATED CHASSIS PUMP

- Hose must be attached (See Installation)
- Remove protective cap from 6064 fitting.
- Fill unit with 5 lbs. of lubricant from Chassis Pump Control Handle. DO NOT OVER FILL!
- Indicator Valve will show when full.
- Replace protective cap onto 6064 fitting.

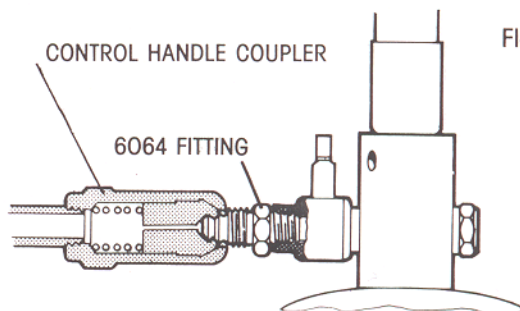


FIGURE 3

THE ARO CORPORATION • ONE ARO CENTER • BRYAN, OHIO 43506-0151

☎ (419) 636-4242 • FAX (419) 636-2115

©1994 THE ARO CORPORATION • PRINTED IN U.S.A.



Part of worldwide Ingersoll-Rand

ATTACHING GUN TO HOSE

- Insert end of hose into body of Booster Handle, and screw hose swivel nut on hand tight.
- Open F162-1 air relief valve on booster gun until grease flows in a steady stream. Now close relief valve.
- Unit is now ready for use.

NOTE: AFTER FIRST ASSEMBLY AND FILLING, SIMPLY REMOVE DUST CAP FROM GREASE FITTING ON ARO PAK AND FILL WITH CHASSIS PUMP CONTROL HANDLE.

OPERATING PROCEDURES

- When Aro-Pak is empty of lubricant, the air charge should not be over 40 PSI. When there is lubricant in Aro-Pak, the air pressure will be higher. This unit will not operate satisfactorily with air charge less than 40 PSI when it contains lubricant, nor will it work with more than 40 PSI when it is empty. Safety relief valve vents excessive lubricant pressures. CAUTION: Check air only when unit is empty of lubricant.
- If the indicator valve moves to the full mark, and the Aro-Pak does not have five pounds of lubricant in it, this would indicate that the unit has an excessive air charge. Check and adjust the air pressure to 40 PSI when unit is empty of lubricant.

BOOSTER GUN PARTS LIST

See Fig. 4

1	Coupler Ass'y.....	636027
2	Tube.....	70719
3	"in.....	Y15-21
4	Rivet (2 Req'd).....	70712
5	Link (2 Req'd).....	70709
6	Ball.....	Y16-208
7	Spring.....	72728
8	Retainer.....	126
9	Plunger	
	Model 71880.....	71382
	Model 72806.....	71420
10	Packing	
	Model 71880.....	71383
	Model 72806.....	71421
11	Plug Model 71880.....	71384
	Support Model 72806.....	71424
12	Handle	
	Model 71880.....	71385
	Model 72806.....	71308
13	Release Valve.....	F162-1
14	Body Ass'y	
	Model 71880.....	71879
	Model 72806.....	72895
15	Ball	
	Model 71880.....	Y16-209
	Model 72806.....	Y16-208
16	Spring.....	71306
17	Pin Model 72806 only.....	71312
18	Body.....	71311

CONTROL HANDLE 71880 & 72806

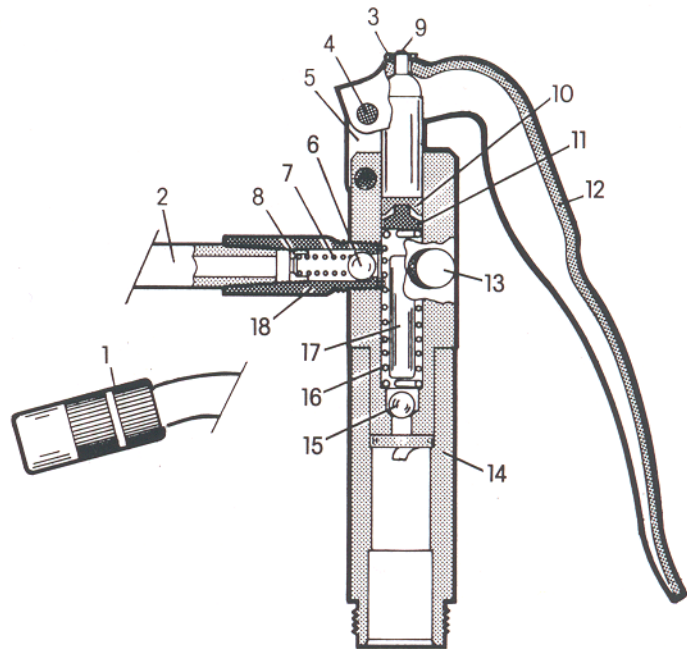


FIGURE 4

- Booster gun may be removed when Aro-Pak is charged with air and filled with lubricant, since there is a check valve to keep the lubricant from running out. However, do not remove hose, indicator valve, safety relief valve, lubricant fitting, 5497 Tee, or air valve before removing all lubricant.
- If it is ever necessary to replace 6064 Filler Fitting, check replacement fitting closely after first filling to be certain it does not leak.
- If any assembly such as the lubricant fitting, or relief valve needs to be replaced, the lubricant may be removed from the Aro-Pak by following this procedure:
 - Remove All air from air chamber of Aro-Pak by depressing valve core in 72715 air valve stem. (Work Booster Control several times to make certain all pressure has been relieved.)
 - Drive Y121-106 Groove Pin out of connector body, and remove hose.
 - Hold Aro-Pak opening over a lubricant receptical and apply air to 72715 valve stem, until all lubricant is removed from Aro-Pak.
 - Now defective, or worn parts can be replaced and unit reassembled.

TROUBLE SHOOTING

If booster gun will not build pressure: (See drawing above.)

- Depress (9) Plunger and hold down with punch.
- Lift up (12) Handle and swing back out of way.
- Pull out (9) Plunger and remove (10) Cup, (11) Support, (16) Spring, and (15) Ball.
- Thoroughly clean ball and ball seat.
- Check for damaged parts and replace if necessary.
- Reassemble

- If no lubricant is discharged when booster gun is operated, check:
 - Indicator valve to see if there is lubricant in unit.
 - If unit has lubricant, open (13) air release valve on body of booster gun to eliminate air pockets.
 - Close when lubricant flows in steady stream.
- If lubricant leaks from nozzle of booster gun: (See drawing above).
 - Unscrew and remove (2) tube.
 - Remove (7) Spring and (6) Ball.
 - Thoroughly clean ball and ball seat.
 - Reassemble.

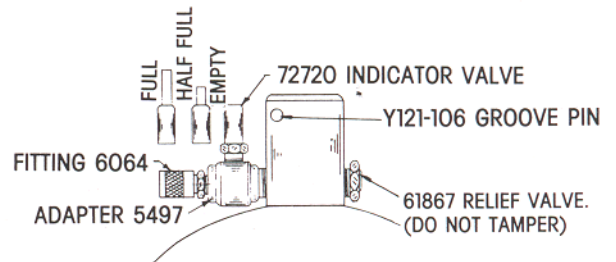
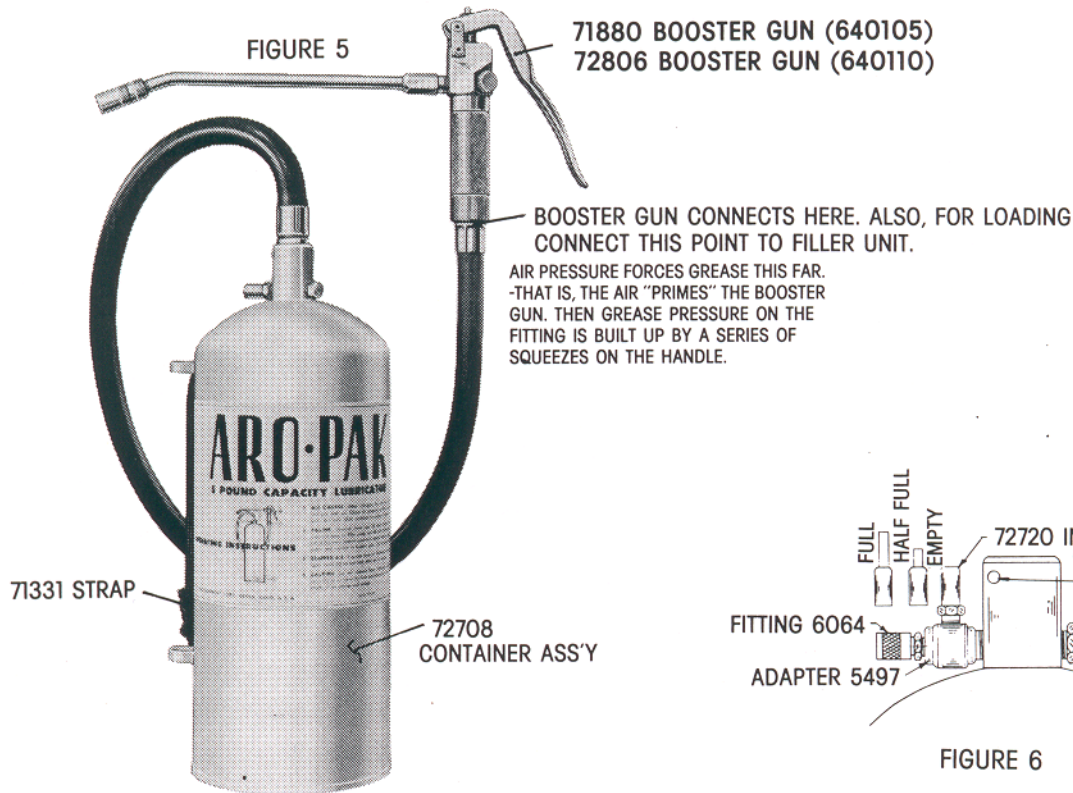


FIGURE 6

INSTRUCTIONS FOR FILLING WHEN USING HAND OPERATED FILLER PUMP

- Screw special 73764 Adapter onto outlet of Filler Pump (included with ARO-PAK). (Remove for filling hand guns if desired.)
- Place end of hose that has swivel nut into special adapter and screw swivel nut hand tight.

NOTE: Do not connect other end of hose to ARO-PAK yet. Perform next step first to prevent air pockets in lubricant.

- Operate Filler until lubricant seeps from free end of hose.
- Connect hose according to instructions in installation.
- Install Booster Gun to hose material outlet.

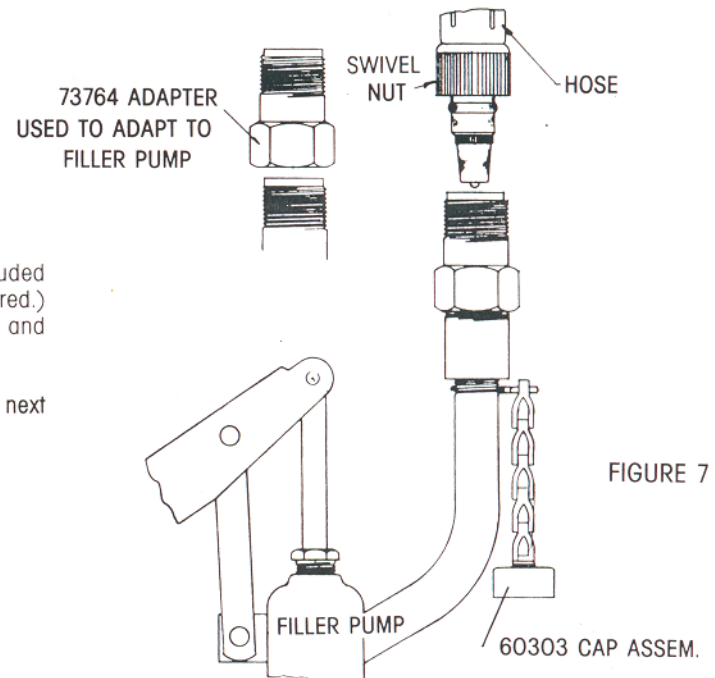


FIGURE 7

621509-04 HOSE ASS'Y. (4 FT. 1/2" I.D.)

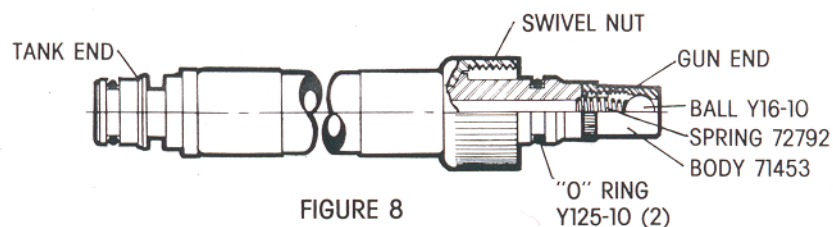
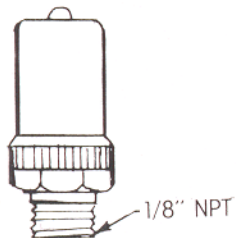


FIGURE 8

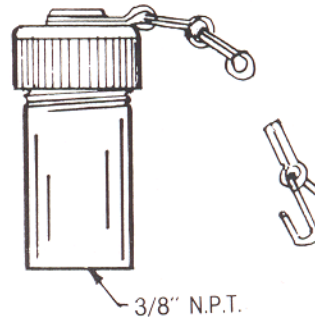
OPTIONAL ACCESSORIES

71377 LOADER FITTING



ORDER NO. 71378 FOR 1/4" THD.
USED FOR REPLACEMENT OR TO ADAPT STANDARD HAND
GUNS FOR LOADING FROM ARO FILLER PUMPS

60430 FILLER VALVE



629510 12" HOSE & NOZZLE FOR USE ONLY ON 640105 (LOW PRESURE)

