



**SERVICE INSTRUCTIONS
MODEL 6438
VOLUME CONTROL VALVE**

6438

DESCRIPTION

This medium pressure, high volume control valve is designed for lubricating track roll bearings. Since this model does not attach directly to the fitting, a whip-end hose assembly is required.

NOTE: *The hose assembly must be PURCHASED SEPARATELY. Consult your local Alemite representative or Sales Catalogue for information on current hose assemblies.*

SPECIFICATIONS

Inlet 3/8" NPTF (f)

Outlet 1/4" NPTF (f)

OPERATION

1. Thread hose assembly to lubricant outlet.
2. Attach material line to lubricant inlet.
3. Operate lever to start lubricant flow.

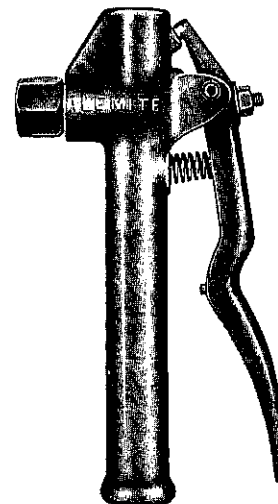
GENERAL SAFETY REQUIREMENTS

Because these units are incorporated into high pressure pumping systems, the following safety precautions **MUST** be observed at all times:

1. Do not exceed the pressure rating of any component in the system.
2. Protect material lines and air lines from damage or puncture.
3. Check all hoses for weak or worn condition prior to daily operations, making certain that all connections and fittings are secure.
4. Never point the dispensing device at oneself or any other person. Accidental discharge of pressure and material may result in serious injury.

NOTE: *Do not relieve pressure by discharging into hand.*

5. Release all pressures within the system before attempting to service or remove any part of the control valve.
6. Read all Instruction Sheets carefully and thoroughly before attempting to assemble, disassemble or operate the system. Observe any additional safety requirements not listed in this sheet but included in other instructional materials.



Model 6438

**Volume
Control
Valve**

MAINTENANCE

If lubricant leaks at plunger 47130, replace needle leather 41911:

1. Loosen nut 77676 and remove adjustment screw 47122.
2. Displace pin 47126 and remove lever 47133.
3. Remove check valve assembly 302391.
4. Using a thin metal rod, push plunger assembly 302390 out through check valve opening.
5. Unthread plunger 47130 from stem 47127 and remove needle leather.
6. Replace and reassemble by reversing Steps 1 through 5.

If lubricant flow is restricted:

1. Loosen nut 77676.
2. Position adjustment screw 47122 so it rests lightly against plunger 47130.
3. Secure by tightening nut.

If lubricant leaks when control valve is closed, replace ball 171700-16:

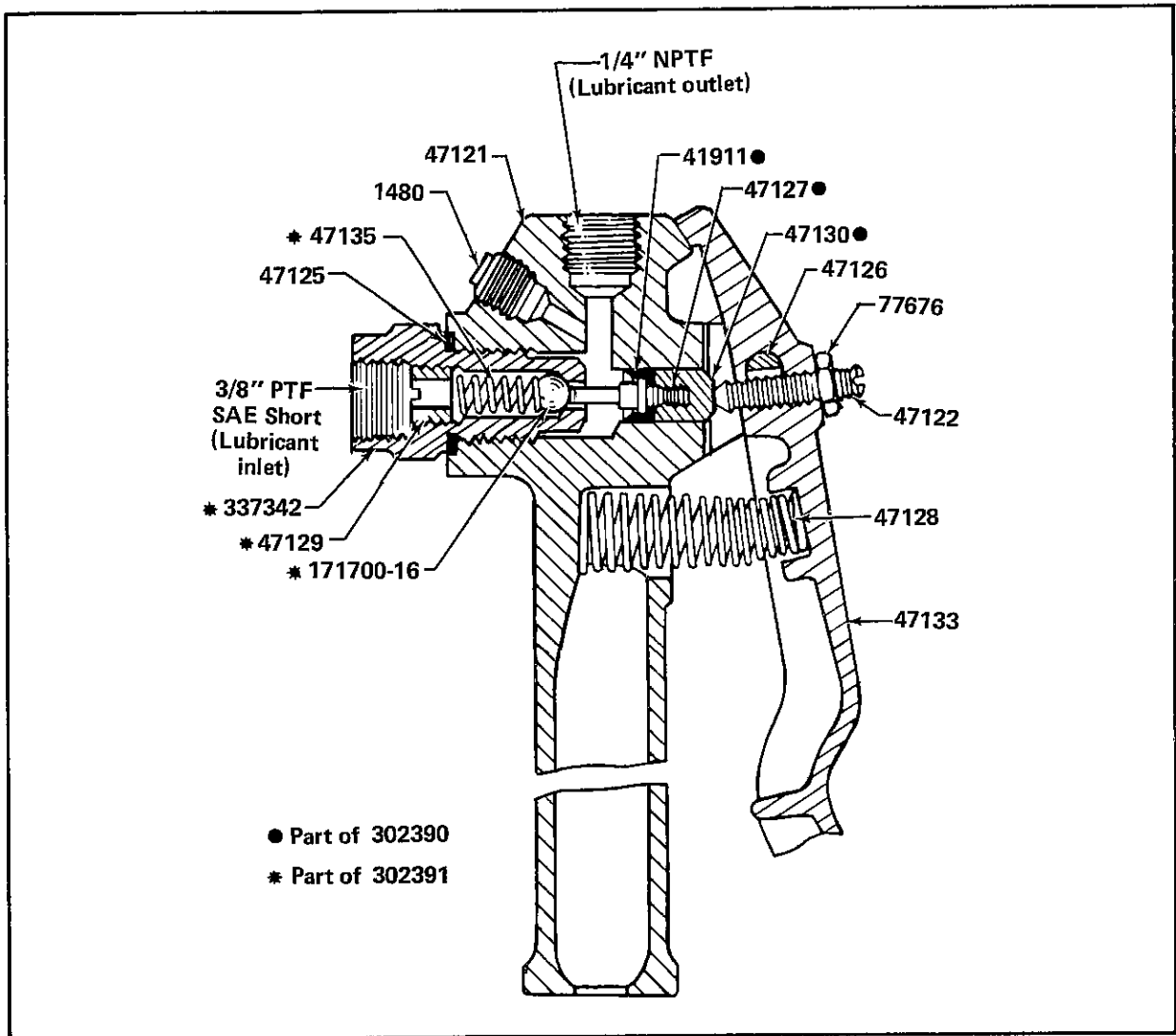
1. Remove spring retainer 47129, spring 47135 and ball 171700-16.
2. Clean adapter 337342 and replace ball 171700-16.
3. Reassemble.

FOR FURTHER SERVICE, CONTACT YOUR LOCAL ALEMITE DISTRIBUTION CENTER



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PARTS LIST

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
1480	Sq. Head Pipe Plug, 1/8"	47130	Plunger
41911	Needle Leather	47133	Lever
47121	Valve Body	47135	Spring, 5/16" long
47122	Adjustment Screw	171700-16	Ball
47125	Gasket, 13/16" O. D.	337342	Adapter
47126	Pin, 1-3/8" long	77676	Hex Nut, 1/4"-28
47127	Plunger Stem	302390	Plunger Assembly
47128	Spring, 2-3/4" long	302391	Check Valve Assembly
47129	Spring Retainer	—	—

NOTE: All parts listed in this instruction sheet are for reference identification in instructions and illustrations. They will not necessarily be available unless listed in current parts price list or used on current model. Purchase bolts, nuts and other standard items from local hardware supplier. Refer to current parts price lists and bulletins for availability before ordering parts. ALWAYS mention part number, quantity, description and model used on.

PART CHANGES SINCE LAST PRINTING

171700-16 was 47313, 337342 was 51894