

DESCRIPTION

Major Repair Kit 398987-1 contains the necessary parts to overhaul both the pump tube and the body and upper packing group for the 7774 and 7784 Series Lubricant pumps.

These instructions are to be used for this kit only. Refer to the instructions supplied with the specific model for further service information.

398987-1 Kit Contents

Part No.	Description	Qty.
50666	Gasket, 3/4" I.D. x 7/8" O.D. x 1/32" thick	1
171009-13	"O" Ring, 1-3/16" I.D. x 1-5/16" O.D.	1
171009-23	"O" Ring, 1-3/16" I.D. x 1-3/8" O.D.	1
171009-33	"O" Ring, 1-13/16" I.D. x 2" O.D.	1
171009-35	"O" Ring, 1-15/16" I.D. x 2-1/8" O.D.	1
171700-32	Ball, 1/2" Diameter	1
171700-48	Ball, 3/4" Diameter	1
172190-5	Seal, 1-1/16" O.D. and 1/4" thick	1
172190-6	Seal, 1-9/16" O.D. x 3/8" thick	1
172190-31	Seal, 1-5/8" O.D. x 3/8" thick	1
323419	Washer, 7/8" I.D. x 1-19/64" O.D.	1
323693	Aluminum Gasket, 1-29/32" O.D.	2
323715	Valve Seat Assembly	1
323725	Valve Seat	1
323726	Pin, 1/4" Dia. x 1-19/64" long	1
324274	Bushing	1
324648	Spring Clip	3
337361	Washer, 1-35/64" O.D.	1
337362	Lantern Ring	1
337363	Steel Spacer, 1-1/16" Dia. x 5/16" thick	1
338406	Bearing, 1-3/4" Dia. x 1.85" long	1
338407	Aluminum Gasket, 1-3/8" I.D. x 1-3/4" O.D.	2

SERVICE

NOTE: The following instructions for servicing the pump tube are to be considered typical and may not be complete for any one particular unit. Refer to instructions supplied with model for further information.

CAUTION: Before beginning service or attempting to disassemble any part of the unit, shut off air supply, reduce material pressure to zero, disconnect air and material supply lines, and remove entire pump from container or system.

SEPARATING PUMP TUBE FROM BODY AND UPPER PACKING GROUP:

(Figure 1)

1. Loosen jam nut and unscrew pump-tube assembly from the air-motor to expose upper coupling.
2. Remove upper spring clip from upper coupling.
3. Separate pump tube from body and upper packing group.

FOR FURTHER SERVICE, CONTACT YOUR LOCAL ALEMITE DISTRIBUTION CENTER



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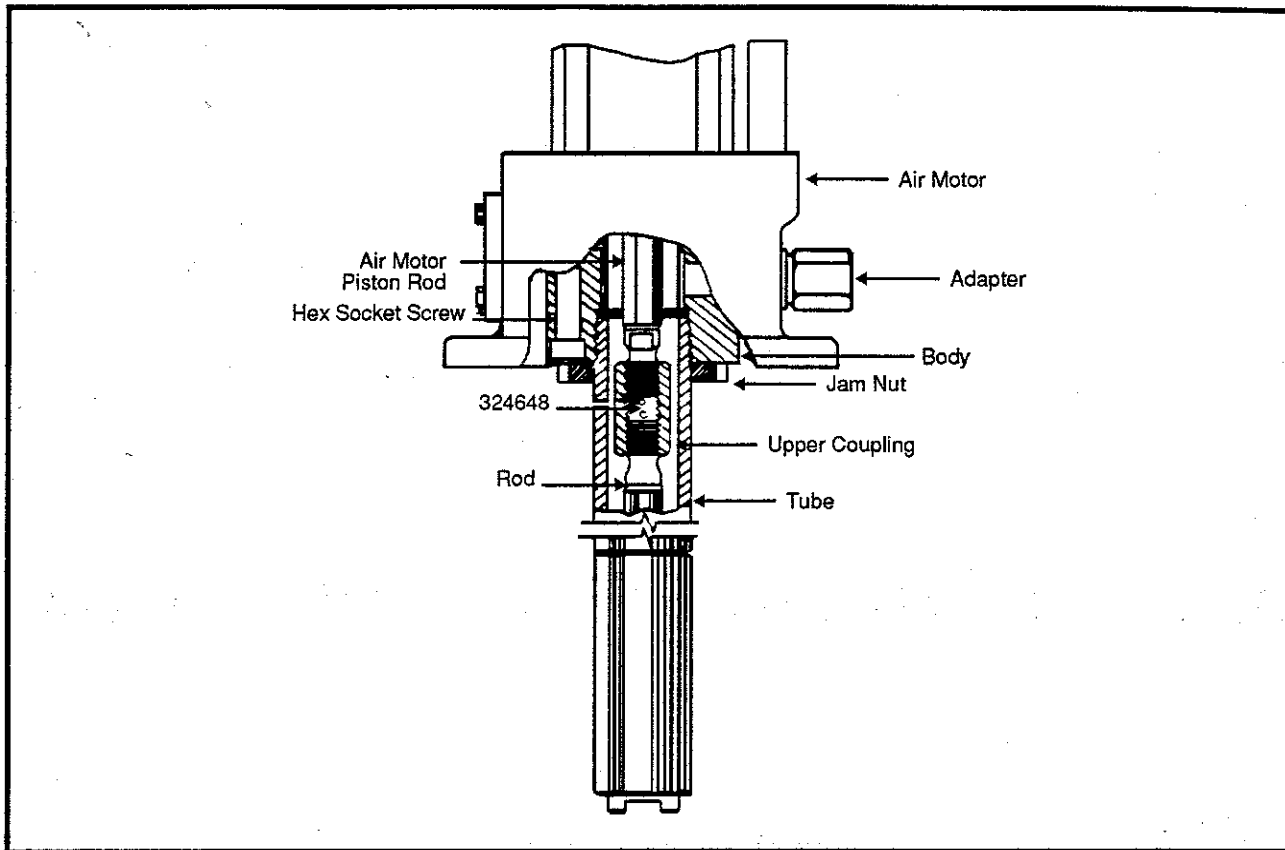


Figure 1: Lubricant Pump showing relationship between air motor and pump tube

SERVICING BODY & UPPER PACKING GROUP:
(Figure 2)

1. Unscrew and remove adapter from body of air-motor assembly.
2. Remove washer 323419 and bushing 324274 from adapter.
3. Unscrew three screws and pull body from air-motor assembly.
4. Remove "O" rings 171009-33 and 171009-35 from body.
5. From bottom of body, remove gasket 323693, steel washer, second gasket 323693 and spacer.

6. Early Models:

Remove the bearing, four packings, the lantern ring, two packings and block "V" packing through the bottom of body.

NOTE: Early models using this old style of packings must be changed to the urethane seal design that is supplied in this repair kit.

Later Models:

Remove washer 337361, seal 172190-6, lantern ring 337362, seal 172190-5, spacer 337363, and "O" ring 171009-13 through bottom of body.

NOTE: At reassembly, lips of seals 172190-5 and 172190-6 must face downward as shown in Figure 2A.

7. Clean and inspect all parts for damage and wear. Make replacements as required, using repair-kit parts.
8. Reassemble by reversing the above steps.

IMPORTANT: Prior to reassembly, lubricate all "O" rings and packings with SAE No. 10 oil or light machine oil. Protect all seals and sealing surfaces from damage and scratches in any way possible.

SERVICING PUMP TUBE ASSEMBLY:
(Figure 3)

1. If you have not already done so, disconnect pump tube from air motor as previously described in "SEPARATING PUMP TUBE FROM AIR MOTOR" section of SERVICE.

2. Pull out pump tube rod from tube.
3. Remove spring clips 324648 from couplings. Remove couplings and rod.
4. Unscrew valve seat assembly 323715 from piston. Ball 171700-32 and spring will fall free. Remove gasket 50666 and spring retainer.
5. Uncscrew tube from cylinder.
6. Early models:

Remove the gasket and packing retainer. Remove four "W" packings and one flat-bottomed follower packing from within the packing retainer.

Remove two gaskets and one washer from inside tube.

NOTE: Early models using this old style of packings must be changed to the urethane seal design in the repair kit.

Later models:

Remove gasket 338407, bearing 338406 and second gasket 338407. Remove seal 172190-31 from bearing 338406.

7. From cylinder, unscrew valve seat 323725 and remove "O" ring 171009-23, pin 323726 and ball 171700-48.

8. Thoroughly clean and inspect all parts for wear and damage.

CAUTION: Worn and damaged parts present a potential hazard to person and property. Replace all such parts.

9. Reassemble by reversing steps 2 thru 7. Follow lubrication and loctite notes in Figure 3.

PARTS CHANGES SINCE LAST PRINTING	
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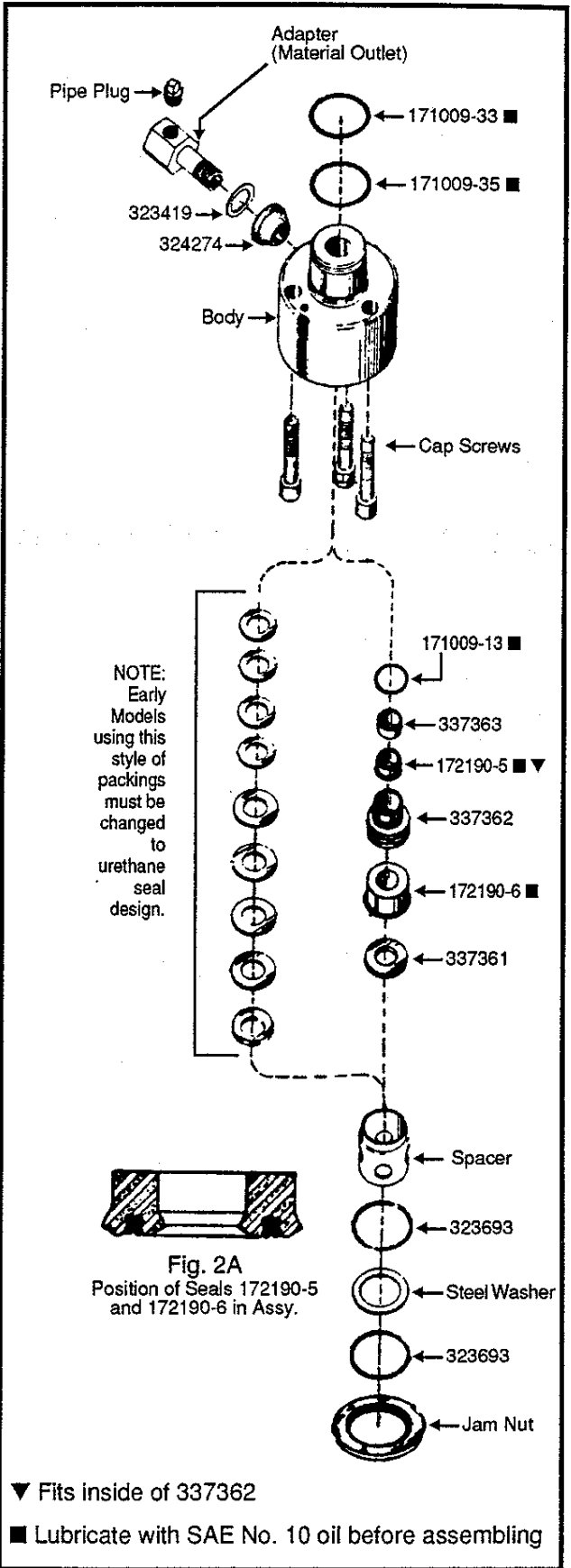


Figure 2: Body and Upper Packing Group

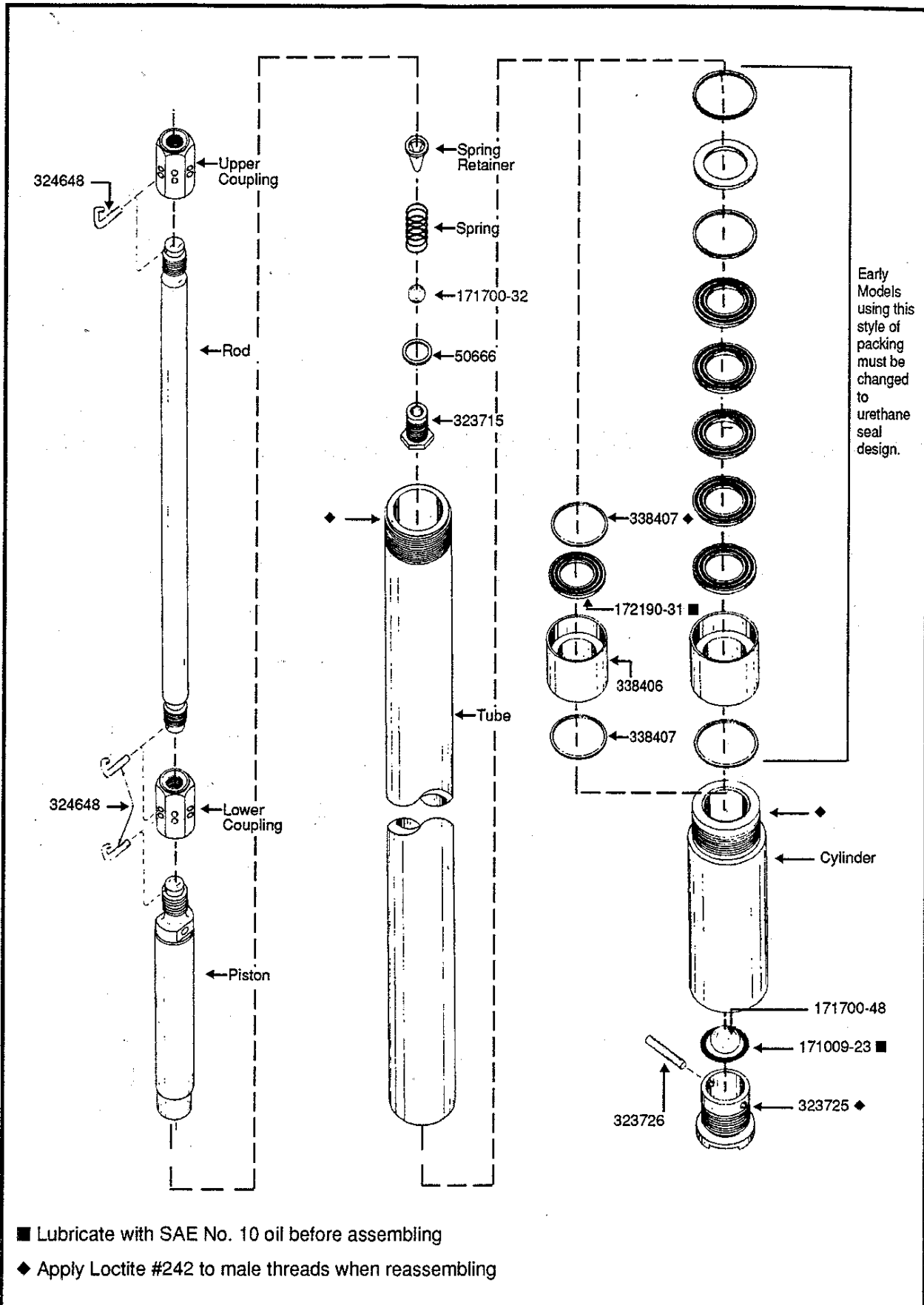


Figure 3: Components of Pump-Tube Assembly