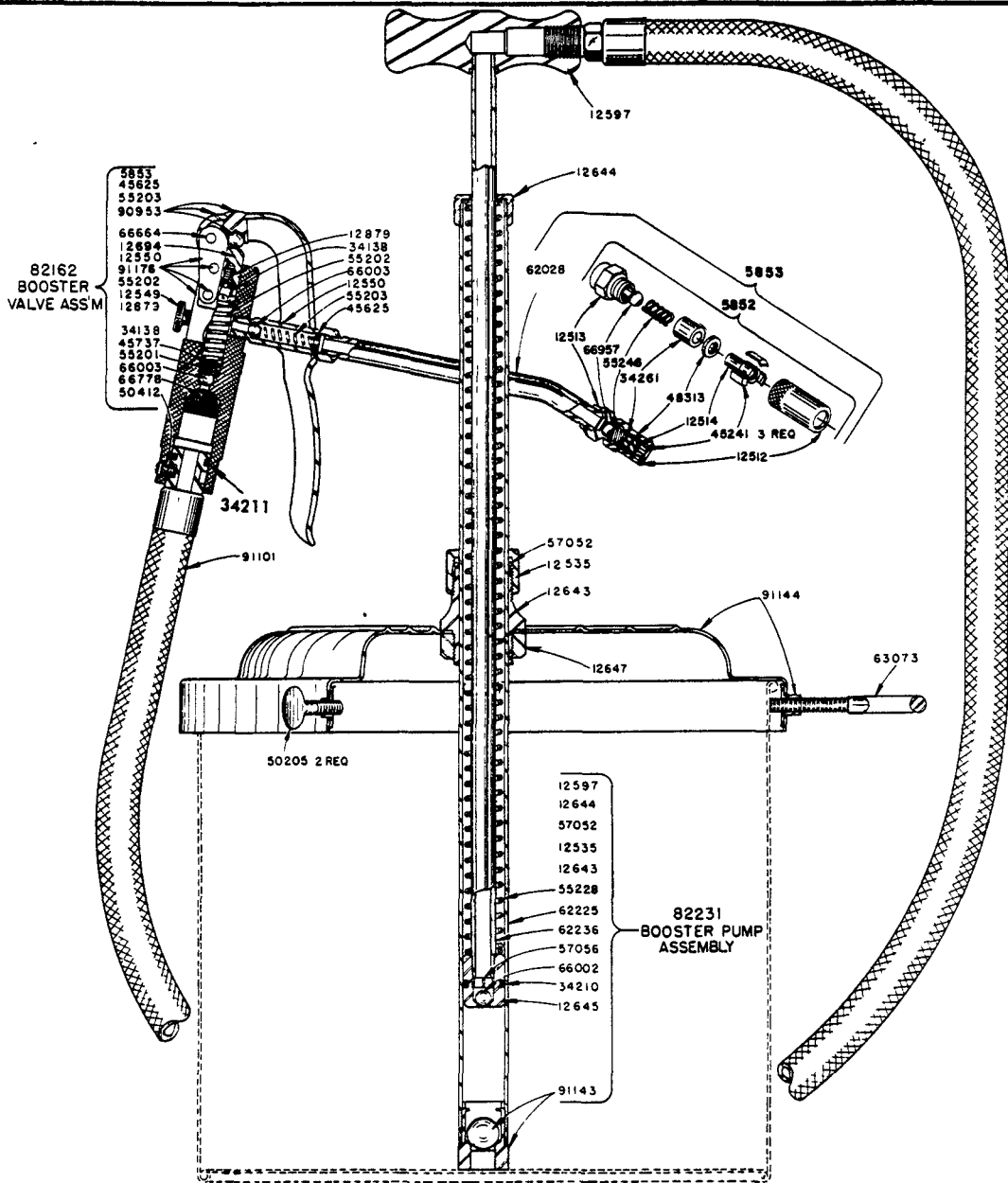


ECONO-LUBER



REPAIR PARTS LIST

| Part No. | Description | Part No. | Description | Part No. | Description | Part No. | Description |
|----------|------------------------|----------|-----------------|----------|------------------|----------|-----------------------|
| 5852 | Midget Hyd. Coupler | 12647 | Bushing Nut | 50412 | Screw | 66002 | Steel Ball 5/16" Dia. |
| 5853 | Hydraulic Ext. Coupler | 12694 | Plunger | 55201 | Check Spring | 66003 | Steel Ball 1/4" Dia. |
| 12512 | Coupler Cap | 12879 | Plunger Guide | 55202 | Plunger Spring | 66664 | Roll Pin |
| 12513 | Coupler Body | 34138 | Packing | 55203 | Outlet Spring | 66778 | Strainer |
| 12514 | Nozzle Body | 34210 | Piston Packing | 55228 | Pump Spring | 66957 | 9/32" Dia. Ball |
| 12535 | Lock Sleeve | 34211 | Swivel "O" Ring | 55246 | Spring | 82162 | Booster Valve |
| 12549 | Vent Plug | 34261 | Coupler Packing | 57052 | Ring Spring | 82231 | Booster Pump Assembly |
| 12550 | Outlet Body | 45241 | Coupler Jaw | 57056 | Ball Stop | 90953 | Handle Assembly |
| 12597 | Pump Handle | 45625 | Spring Seat | 62028 | Nozzle Extension | 91101 | Hose Assembly |
| 12643 | Pump Tube Bushing | 45737 | Spring Holder | 62225 | Pump Tube | 91176 | Valve Body |
| 12644 | Gland Nut | 48313 | Packing Washer | 62236 | Piston Rod | 91143 | Foot Valve Assembly |
| 12645 | Piston | 50205 | Thumb Screw | 63073 | Nozzle Hanger | 91144 | Drum Cover Assembly |



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TO ASSEMBLE PUMP, CONTAINER AND HOSE

The ECONO-LUBER will dispense any lubricant, which readily seeks its own level, from original 25 to 40 lb. refinery containers. The containers must be within the following dimensions: Maximum diameter 12 $\frac{1}{8}$ " ; Minimum Diameter 10 $\frac{3}{4}$ " ; Maximum Height 17".

INSTALLATION — Follow Figures 1, 2, and 3 in Sequence Illustrated.

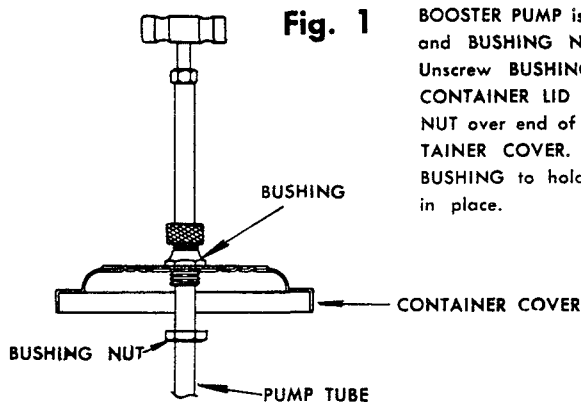


Fig. 1

BOOSTER PUMP is shipped with **PUMP BUSHING** and **BUSHING NUT** installed on **PUMP TUBE**. Unscrew **BUSHING NUT** and install **PUMP** in **CONTAINER LID** as illustrated. Slide **BUSHING NUT** over end of **PUMP TUBE** beneath the **CONTAINER COVER**. Screw **NUT** tight on **PUMP BUSHING** to hold **CONTAINER COVER** securely in place.

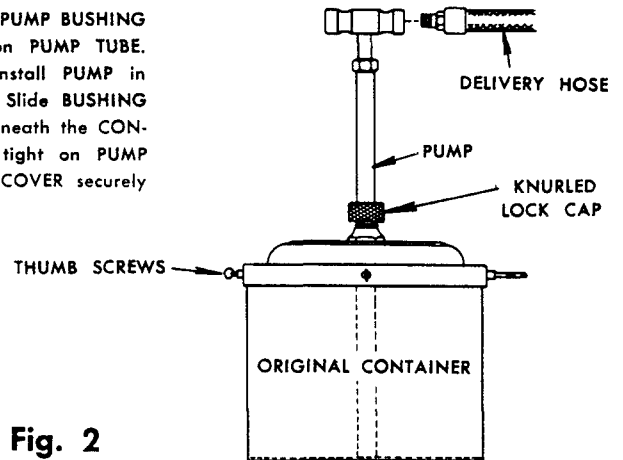


Fig. 2

Remove and discard lid from original container. Install **COVER** and **PUMP** on **CONTAINER** and tighten **THREE THUMB SCREWS**. Push **PUMP** down into **CONTAINER** until end of **PUMP TUBE** rests on **CONTAINER BOTTOM**. Lock **PUMP TUBE** in **CONTAINER COVER** by tightening **KNURLED LOCK CAP**. Screw **THREADED END** of **DELIVERY HOSE** into **PUMP HANDLE**.

TO PRIME.

Unscrew **VENT PLUG** on **BOOSTER VALVE** three or four turns. Lift and lower **PRIMER PUMP HANDLE** to its maximum **UP** and **DOWN** position until **LUBRICANT** flows freely from **VENT HOLE** in **BOOSTER VALVE**. Tighten **VENT PLUG** and lift **PRIMER PUMP HANDLE** to maximum **UP** position.

IMPORTANT: To obtain a **FULL PRIME** of the **BOOSTER PUMP**, always lift **HANDLE** slow so that the maximum volume of **LUBRICANT** will be drawn into **PRIMING TUBE CHAMBER**. Compress and release **BOOSTER VALVE HANDLE** until **LUBRICANT** flows at **NOZZLE STEM**.

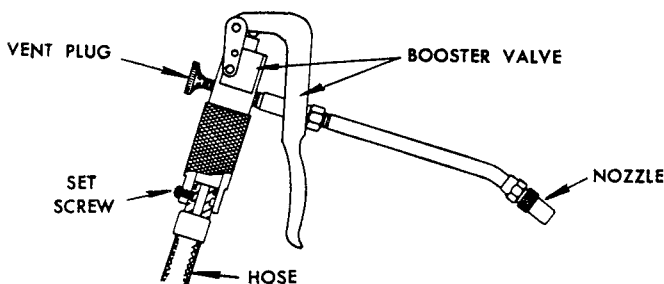


Fig. 3

TO INSTALL HOSE IN BOOSTER VALVE.

HOSE END of **BOOSTER VALVE** includes a **RUBBER RING** which must form a perfect seal in **VALVE HANDLE**. Grease **RUBBER RING** and **INLET** to **BOOSTER HANDLE**. Carefully insert end of **HOSE** in **HANDLE** to prevent cutting of **RUBBER RING**. Adjust position of **HOSE END** in **HANDLE**, so that when **SET SCREW** is tightened it will engage in **GROOVE** around **METAL HOSE END**. If properly installed, the **HOSE END** will swivel in the **VALVE HANDLE**.

OPERATION.

Each pump of **HANDLE** supplies sufficient **LUBRICANT** to the **BOOSTER VALVE** to lubricate approximately 200 average bearings.

IMPORTANT: Some lubricants flow more readily than others. To lubricate the maximum number of bearings, fully prime **BOOSTER PUMP** by lifting **PUMP HANDLE** slowly. Refer to **PRIMING INSTRUCTIONS**.

Compressing **BOOSTER VALVE HANDLE** develops up to 6000 P.S.I. **LUBRICANT PRESSURE** with two or three compressions of the **HANDLE**.

MAINTENANCE.

If **PRIMER PUMP** fails to dispense **LUBRICANT**:—

- LUBRICANT CONTAINER** may be empty.
- LUBRICANT** may be "funneling" in **CONTAINER**. Shake to restore **LUBRICANT LEVEL** around **PUMP TUBE**.
- BALL FOOT VALVE** or **BALL CHECK** in **PISTON** may be fouled. Remove and clean thoroughly.

If **BOOSTER VALVE** fails to develop **LUBRICANT PRESSURE**:—

- STRAINER** may be stopped up. Remove and clean.
- INLET CHECK BALL** or **OUTLET CHECK BALL** may be fouled. Remove and clean.
- PISTON** may be worn or damaged. Remove and replace.

CAUTION— To disassemble **PUMP** to clean **BALL CHECKS**, first remove the **TUBE CAP** to release the **SPRING TENSION**. Hold **CAP** securely when removing from **TUBE**.

RETAIN THIS INFORMATION FOR FUTURE REFERENCE

When ordering Replacement Parts, List Part Numbers, Descriptions, Model Number, & Series Letter.
LINCOLN ST. LOUIS — Provides a Distributor network that stocks equipment and replacement parts.
Repairs by Authorized Service Depts. List furnished upon request.