

ENGINEERING STANDARD **M-153**

DESCRIPTION

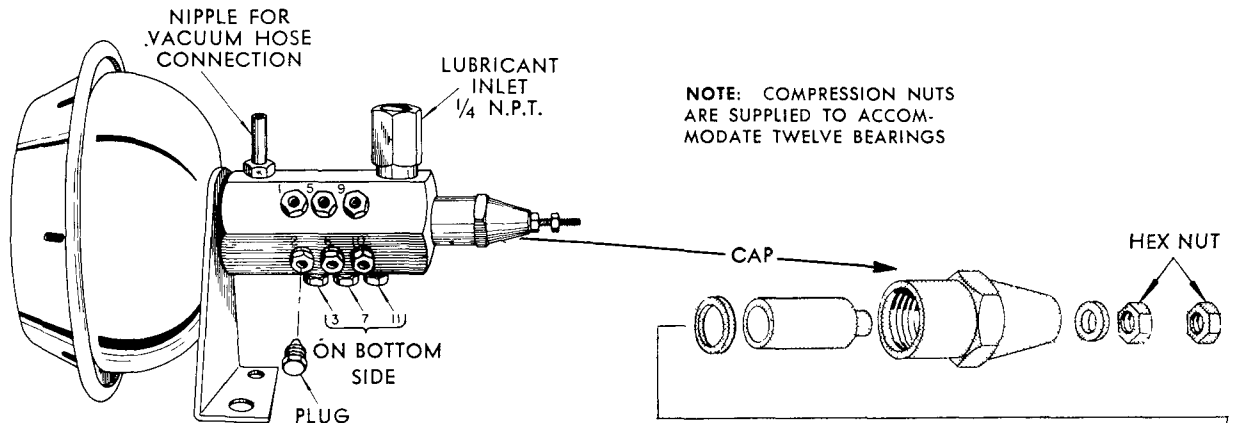
A controlled vacuum of 15 inches (minimum) is required to operate the MULTI-LUBER. (NOTE: BEARING resistance determines amount of vacuum needed to operate MULTI-LUBER.)

The LUBRICANT RESERVOIR must be positioned to provide a gravity flow to MULTI-LUBER.

The MULTI-LUBER can be located in either a horizontal or vertical position, convenient for the installation of FEED LINES and centrally located in relation to the selected BEARINGS so FEED LINES can be of minimum length.

PREPARATION OF MULTI-LUBER PRIOR TO INSTALLATION

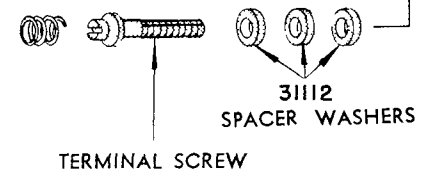
1. — Determine number and location of the BEARINGS that are to be lubricated with the MULTI-LUBER. (From nine to twelve BEARINGS can be serviced.)
2. — Adjust the MULTI-LUBER to accommodate the number of BEARINGS selected.



TO SEAL OUTLET PORTS NOT USED

Three 13110 PLUGS are included to seal three OUTLET PORTS so a minimum of nine BEARINGS can be accommodated. OUTLET PORTS are sealed starting at No. 12.

- If eleven BEARINGS are to be lubricated, plug OUTLET PORT No. 12.
- If ten BEARINGS, plug PORTS No. 12 and 11.
- If nine BEARINGS, plug PORTS No. 12, 11 and 10.



PLUGS MUST BE TIGHT

Twelve COMPRESSION NUTS are included to accommodate a maximum of twelve BEARINGS.

For each OUTLET PORT plugged a SPACER WASHER must be added to the TERMINAL SCREW.

- a) Remove CAP.
- b) Hold slotted head of TERMINAL SCREW with screw driver and remove HEX NUTS.
- c) Remove TERMINAL SCREW from CAP and place a SPACER WASHER (one SPACER for each OUTLET PORT plugged) under head of TERMINAL SCREW.
- d) Reassemble UNIT.

INSTALLATION

START INSTALLATION OF FEED LINES AT THE BEARINGS.
 AVOID SHARP BENDS.
 KEEP FEED LINES AS SHORT AS POSSIBLE.
 GROUP AS MANY FEED LINES TOGETHER AS POSSIBLE USE FEED LINE CLAMPS.

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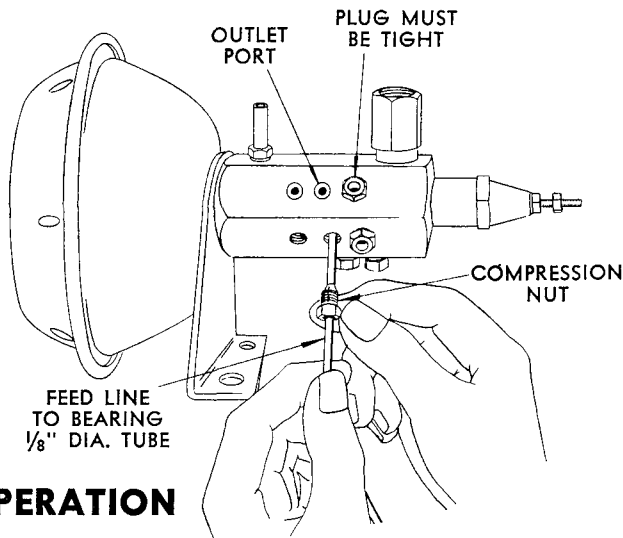


LINCOLN ENGINEERING COMPANY

DIVISION OF THE McNEIL MACHINE & ENGINEERING CO
 4010 GOODFELLOW BLVD. ST. LOUIS 20, MO.

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FEED LINE CONNECTION TO MULTI-LUBER



Slide COMPRESSION NUT over FEED LINE. Insert FEED LINE into OUTLET PORT of MULTI-LUBER BODY. Hold FEED LINE securely against STOP in MULTI-LUBER BODY while tightening the COMPRESSION NUT. All FEED LINES must be connected to the MULTI-LUBER before RESERVOIR is installed.

OPERATION

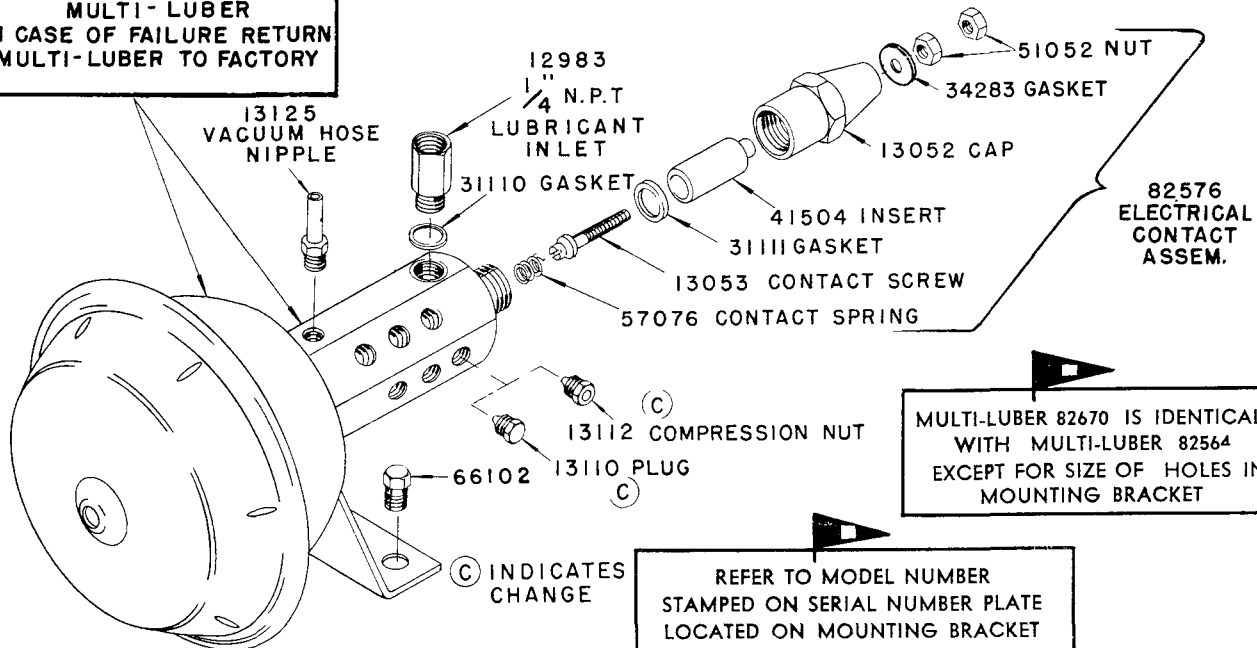
- A. Lubricant is gravity fed from the RESERVOIR into the MEASURING CHAMBER of the MULTI-LUBER.
- B. Advance of the PLUNGER into the MEASURING CHAMBER permits the CROSS PORT of the PLUNGER to pass in succession the twelve OUTLET PORTS. The pressure behind the lubricant forces lubricant in equal quantities through each of the OUTLET PORTS and subsequently to the BEARINGS.

A SEVERED FEED LINE CANNOT ROB ANY OTHER FEED LINE OF ITS LUBRICANT SUPPLY.

- C. As VACUUM is relieved, MULTI-LUBER PLUNGER is spring-returned to its normal position permitting MEASURING CHAMBER to be recharged.

REPLACEMENT PARTS

NOTE: DO NOT REMOVE DIAPHRAGM FROM MULTI-LUBER IN CASE OF FAILURE RETURN MULTI-LUBER TO FACTORY



MULTI-LUBER 82670 IS IDENTICAL WITH MULTI-LUBER 82564 EXCEPT FOR SIZE OF HOLES IN MOUNTING BRACKET

REFER TO MODEL NUMBER STAMPED ON SERIAL NUMBER PLATE LOCATED ON MOUNTING BRACKET

PARTS - LOANER PUMPS - REPAIRS BY FACTORY TRAINED SERVICEMEN AVAILABLE IN AUTHORIZED SERVICE DEPARTMENTS LIST FURNISHED UPON REQUEST.

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