

LUBRICATION

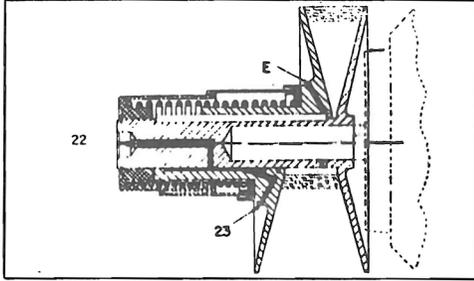


DIAGRAM No. 2

LUBRICATE EVERY 30 DAYS

1. Lubricate disc assembly at lub fitting (22). Lubrication fitting is supplied at (23) only when fixed disc is bored through. When thoroughly lubricated grease will show at purge hole (E), Diagram 2.
2. Lubricate, with listed grease, motor slide shifting screw at fitting (10). Lubricate, with light oil, ball oiler (24) on 93B bases and (oil hole) on all other bases. See Diagram 1.

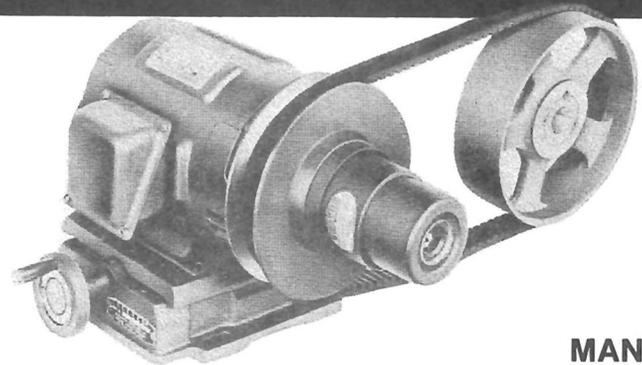
LUBRICANT: For disc assembly lubrication use a properly refined neutral mineral grease, free of acid, alkali and sulphur with a consistency corresponding to No. 1 NLGI consistency. Type and grade of lubricants suitable are suggested by the following list:

MOBIL OIL CORP. MOBILTEMP NO. 1; TEXACO NOVATEX NO. 1; SINCLAIR GREASE NO. 1; AMERICAN OIL CO. AMOLITH GREASE NO. 1; SHELL ALVANIA NO. 1.

INSTALLATION AND
MAINTENANCE

REEVES®

Vari-Speed® Motor Pulley



SIZES
912, 912-15

MANUAL
G-3015-4

INSTALLATION AND MAINTENANCE

OPERATION AND CARE:

1. Keep faces of discs and V-belt clean.
2. The V-belt should run level between the faces of the discs. If one side rides high — investigate immediately. V-belt alignment or a lack of lubricant for the sliding disc may be the cause. Check V-belt alignment and be sure the sliding disc is free on the fixed disc hub.
3. Check the general running condition at regular intervals.
4. Lubricate before placing the unit into service; and regularly, as recommended in lubrication instructions.
5. Make speed adjustments only when unit is running.

NOTE: Under disc assembly section — see CAUTION regarding removal of the V-belt tension spring.

INSTALLATION

MOUNTING INSTRUCTIONS MOTOR, DISC ASSEMBLY AND BASE

1. Locate the motor in a centrally oriented position on the slide. If necessary, move motor along shaft centerline to give adequate clearance between slide and disc assembly, with minimum shaft overhang.
2. Mount the disc assembly on the motor shaft; spread discs and secure to motor shaft with set screws. **CAUTION:** Do not force disc hub against shoulder on shaft.
3. Loosen set screws in both stop nuts (4, 4A) and shift the motor, away from the handwheel, as far as possible; then back off approximately 1/4 inch.
4. Place V-belt between faces of Motor Pulley discs (11, 12) at the maximum pitch diameter, and around the flat face pulley. This establishes minimum centers between motor shaft and driven shaft when belt is pulled tight.

5. Align the motor shaft parallel to the driven shaft; and align edge of fixed disc (11) with flat face pulley edge (D).
6. When positions of items 4 and 5 are established, secure the motor base (1) to the mounting surface.

ADJUSTMENT — FOR HIGH SPEED AND LOW SPEED STOPS

7. Run L.S. stop nut (4) along shifting screw until it contacts the L.S. stop.
8. With motor running, adjust the motor position until desired low output speed is reached; L.S. stop nut will now be in correct location. Stop motor.
9. With motor slide at low output speed position, item 8 above, run H.S. stop nut (4A) along shifting screw until it contacts the H.S. stop.
10. With motor running, adjust slide position until desired high output speed is reached; H.S. stop nut will now be in correct position. Stop motor.
11. Tighten set screws in both stop nuts.
 - a. Stop nuts are accessible at the ends of the motor slide when output speed settings are for full speed range or slightly less.
 - b. When set for narrower speed ranges stop nuts may not always be so accessible; and sometimes it may be necessary to lift the motor to reach the stop nuts through access holes in the slide.

CAUTION: Avoid any speed setting which will allow the belt to contact the disc key or to run beyond the O.D. of the disc assembly.

PARTS LIST

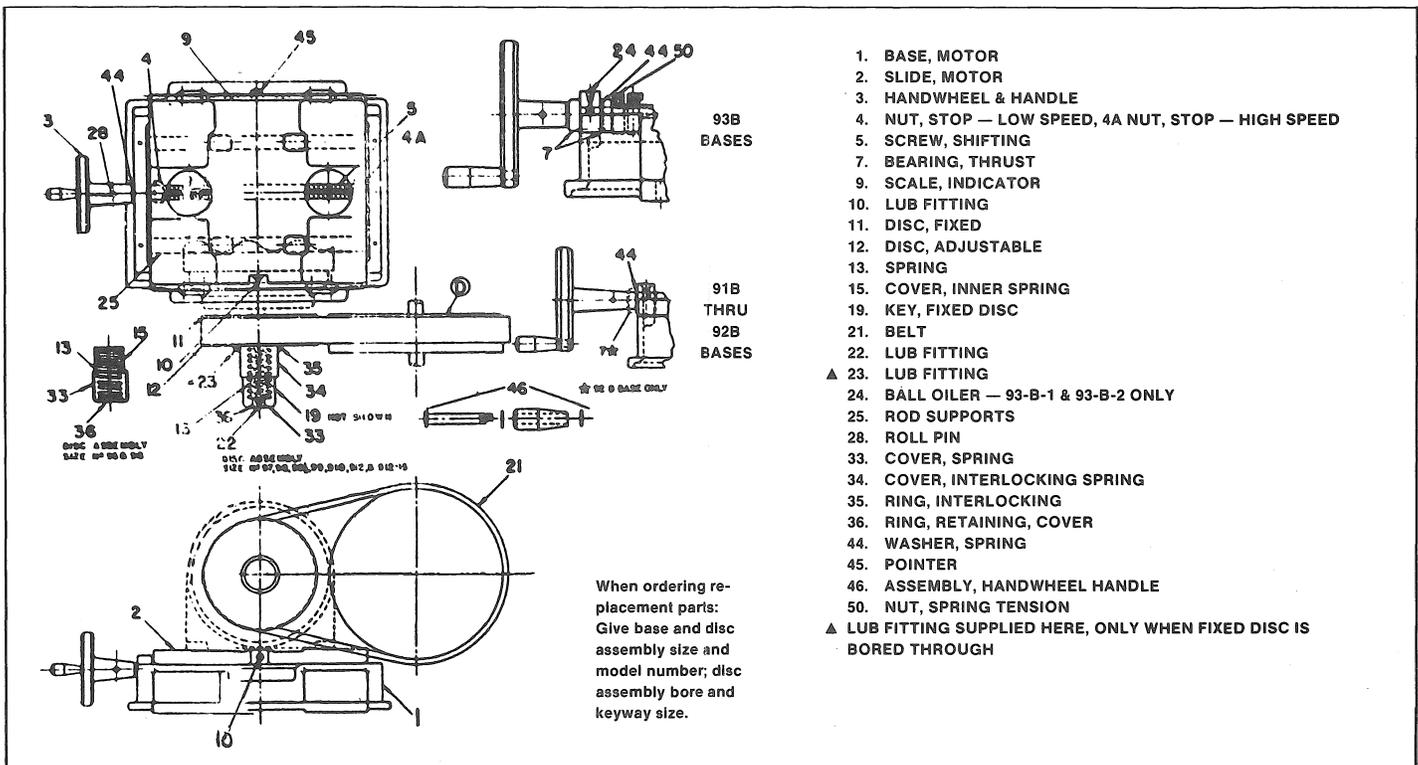
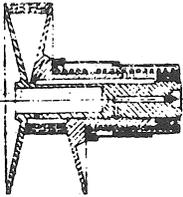
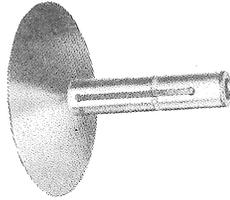


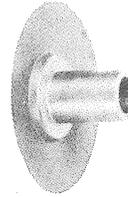
DIAGRAM No. 1



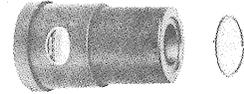
Disc Assembly
Sizes 97 through 912-15



**Fixed
Disc**

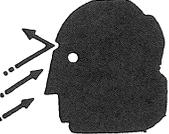


**Sliding
Disc**



**Interlocking
Spring Cartridge**

WARNING



**SPRING CARTRIDGE ASSEMBLY
CONTAINS A SPRING UNDER COM-
PRESSION. SEPARATION OF CART-
RIDGE CAN RESULT IN PERSONAL
INJURY OR DEATH.**

CAUTION: To remove the interlocking spring cartridge, remove belt and close disc flanges to remove spring tension on sliding disc and retaining ring. Then remove the retaining ring so that the spring cartridge assembly can be removed as a complete unit. For spring replacement use a complete cartridge assembly. Do not attempt to remove the spring from the interlocking spring cartridge.