



**REEVES VARI-SPEED Junior Motor Pulley — Standard Unit**

Available in five different sizes of disc assembly for use with any standard motors from 1/8 to 1 1/2 HP. Ratio of speed variation from 1.75 to 1 up to 2.75 to 1. Choice of two motor bases dependent upon size of motor used.

# INSTALLATION AND MAINTENANCE

# REEVES®

## VARI-SPEED® Junior Motor Pulley



**MANUAL  
G-3011-8**

## MAINTENANCE AND LUBRICATION

**MAXIMUM SPEED** — By means of a handwheel, motor is moved forward or backward on an adjustable base. When motor is nearest driven sheave, V-belt runs over largest diameter of cone-faced discs and maximum speed is secured on driven machine.

**MINIMUM SPEED** — By reversing handwheel, motor is moved away from driven sheave and V-belt runs over a smaller diameter as sliding disc moves out to accommodate belt, thus reducing speed. Tension spring acts against sliding disc, providing the proper pressure on V-belt to transmit rated load at all speeds.

### WARNING

**To insure that drive is not unexpectedly started, turn off and lock out or tag power source before proceeding. Failure to observe these precautions could result in bodily injury.**

1. Keep the faces of the discs clean and free from grease, oil or water.
2. Check the operating condition of the VARI-SPEED Jr. Motor Pulley frequently. Insure smooth operation.
3. Check the V-belt occasionally to see that it runs level in the groove of the VARI-SPEED Junior Pulley. If one side of the belt rides higher than the other, the sliding disc may be sticking on the hub or pulley may be

misaligned. If the disc is sticking, dismantle, clean the sliding surfaces and relubricate.

4. Lubricate at grease fitting in disc assembly before placing into service, and every 30 days, or as operating conditions warrant. **DO NOT OVER-LUBRICATE.** See list of suggested lubricants below.
5. Lubricate the sliding base shifting screw with light oil every 30 days.
6. Do not allow belt to become contaminated with grease or oil.
7. Make speed adjustments only when unit is running.

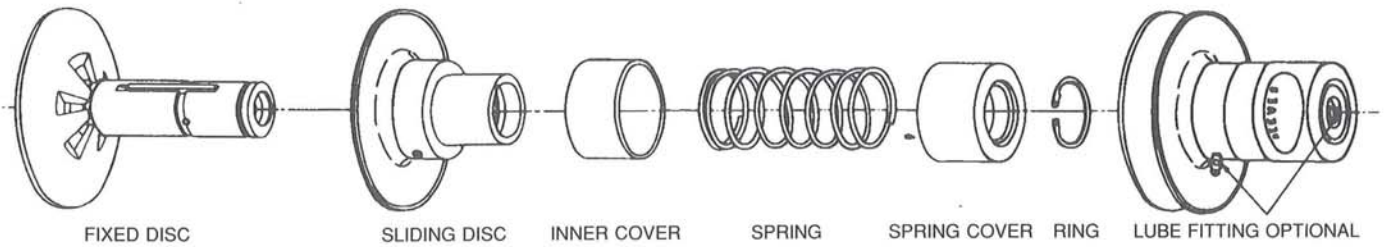
**NOTE:** Under installation section, see **WARNING** regarding removal of the V-belt tension spring.

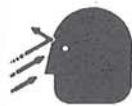
### TYPE OF LUBRICANT

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

**SOCONY—MOBIL TEMP NO. 1; TEXACO NOVATOL NO. 1; SINCLAIR GREASE NO. 1; AMERICAN OIL CO., AMOLITH GREASE NO. 1; SHELL ALVANIA NO. 1; HUMBLE OIL CO. GREASE NO. 5139.**

# INSTALLATION INSTRUCTIONS





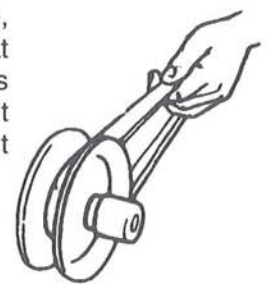
## WARNING

OUTER SPRING COVER FOR PULLEY CONTAINS A SPRING UNDER COMPRESSION.

EXTREME CARE MUST BE USED IN REMOVING COVER: FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN PERSONAL INJURY. GRIP SPRING COVER FIRMLY BEFORE REMOVING RETAINER RING. REMOVE RETAINER RING. WITHDRAW COVER SLOWLY TO DECOMPRESS SPRING.

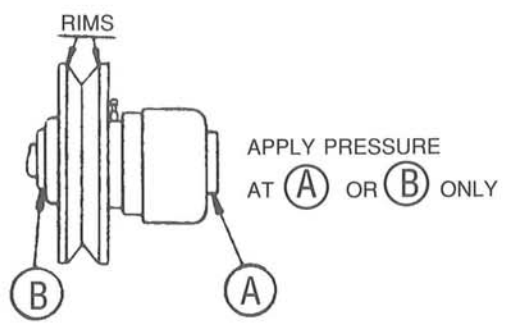


- ① Fasten motor to sliding portion of base, as shown. By turning handwheel, center motor on fixed base.
- ② Mount REEVES VARI-SPEED Pulley on motor shaft as close to motor housing as possible without interference. Tighten setscrew on fixed disc.
- ③ Place belt in the pulley, spreading discs apart so that belt goes halfway down as shown. A firm pull on the belt will spread the discs without difficulty.

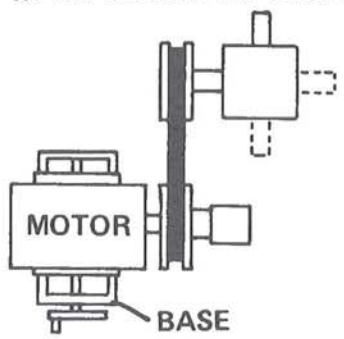


## CAUTION

WHEN PULLEY IS MOUNTED ON OR REMOVED FROM MOTOR SHAFT — **DO NOT STRIKE RIMS.**



- ④ Position motor and base so that belt can be passed over driven pulley. To obtain full speed range, base must be mounted approximately parallel to a center line between the motor shaft and the driven pulley. Position of motor and base must be such that belt is straight, as shown, with belt in half-way down position in REEVES VARI-SPEED Pulley. Bolt fixed base in place.



WARNING: Because of the possible danger to person(s) or property which may result from improper use of products, it is important that correct procedures be followed. Products must be used in accordance with the Engineering information specified in the catalog. Proper installation, operation and maintenance procedures must be observed. The instructions in the instruction manuals must be followed. Inspections should be made as necessary to assure safe operation under prevailing conditions. Proper guards and other suitable safety devices or procedures as may be desirable or as may be specified in safety codes should be provided, and are neither provided by Master Power Transmission nor are the responsibility of Master Power Transmission. This unit and its associated equipment must be installed, adjusted and maintained by qualified personnel who are familiar with the construction and operation of all the equipment in the system and the potential hazards involved. When risk to persons or property may be involved, a failsafe device must be an integral part of the driven equipment beyond the speed reducer output shaft.