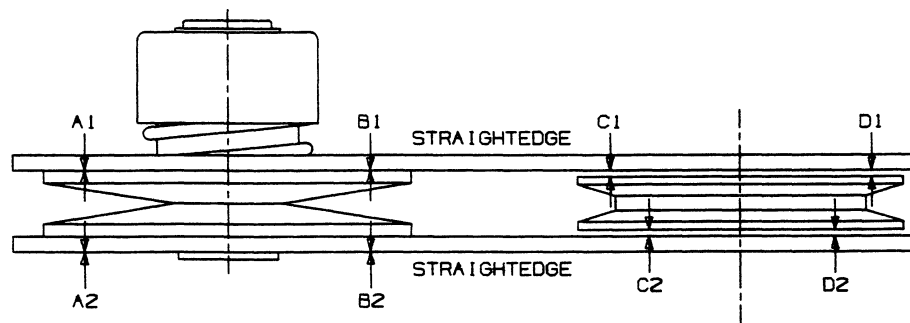


NOTE: This manual is to be used in conjunction with the installation instructions packaged with the other component parts of this drive. The following instructions are based on the assumption that the companion sheave has already been properly installed and the motor and motor base are in location. All related component instructions should be closely followed and available for reference during installation.

1. Remove any nicks or burrs from the motor shaft. Install the key in the shaft's keyway.
2. Slip the Var-A-Cone sheave on the motor shaft, but **do not** tighten.
3. Align the sheave using the four-point alignment method shown below. Place string or straightedge across companion and Var-A-Cone sheave. The Var-A-Cone sheave should be mounted as close to the motor housing as possible. If the parallel offset is more than 1/2", reposition motor base instead of moving the Var-A-Cone sheave outward on the shaft. To achieve correct angular alignment, loosen the motor and swivel motor on the base. Sheaves are properly aligned when gaps at points A1 = A2 = B1 = B2 and C1 = C2 = D1 = D2. Tighten the motor bolts.



4. Use a torque wrench and torque the set screw to 7 ft. lbs. This will hold the sheave to the shaft.

CAUTION: Failure to use the proper values during installation can result in damaging sheave or motor shaft.

5. Adjust the motor base as close to the companion sheave as possible. Place the belt into the groove of each sheave. Seat the belt in the Var-A-Cone sheave by adjusting the motor base to move the motor away from the companion while rotating the drive by hand.

CAUTION: Belts must **NOT** be pried over the flanges of either sheave as this will damage the belt. Drive **MUST** be rotated while center distance is adjusted to prevent damaging drive components.

WARNING

All rotating equipment must be properly guarded to prevent personnel from coming in contact with the drive. Failure to do so could result in serious injury.

6. The drive is now ready to operate.

WARNING

Do Not attempt to disassemble Var-A-Cone sheaves. The sheave is spring-loaded and disassembly could cause injury. No replaceable parts are available for Var-A-Cone sheave.

(Fixed Center Drive)

NOTE: This manual is to be used in conjunction with the installation instructions packaged with the other component parts of this drive. The following instructions are based on the assumption that the motor is in location and the drive is installed with the proper fixed center distance. All related component instructions should be closely followed and available for reference during installation.

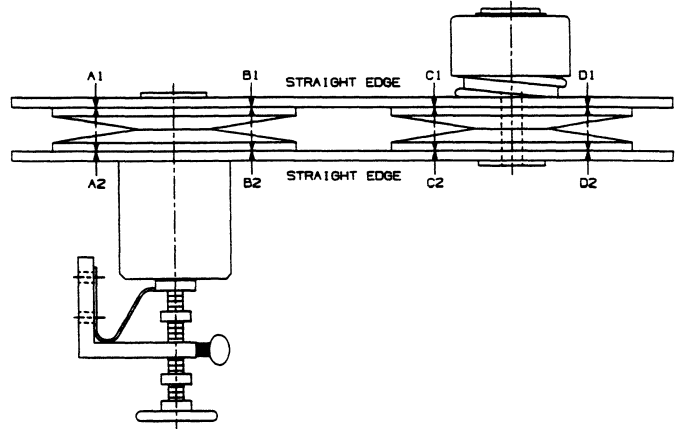
WARNING

If the drive is not installed with the correct center distance, variation will occur in the anticipated speeds. Reference the drive design information for the correct center distance.

1. Remove any nicks or burrs from the motor and driven shaft. Install the keys in the shafts.
2. Slip the manually controlled Var-A-Cone type "A" sheave on the motor shaft, but **do not** tighten.
3. Slip the spring-loaded Var-A-Cone sheave on the driven shaft, tighten to 7 ft. lbs. with a torque wrench.
4. Align the sheaves using the four-point alignment method shown below. With the flanges in the closed position, place string or straightedge across the spring-loaded and manual sheaves. The manual sheave should be mounted as close to the motor housing as possible. If the parallel offset is more than 1/2", reposition the motor instead of moving the manual sheave outward on the shaft. Sheaves are properly aligned when gaps at points A1 = A2 = B1 = B2 and C1 = C2 = D1 = D2. Tighten the motor bolts.
5. Using a torque wrench, torque the set screw to 7 ft. lbs. on the manual sheave. This will hold the sheave to the shaft.

CAUTION: Failure to use the proper torque values during installation of the manual and spring-loaded sheave can result in damaging sheaves or shafts.

6. To position the VC1 control bracket, loosen the thumbscrew and locking nuts on the threads. Thread the handwheel into the bracket as far as possible. With the manual sheave in the closed position, place the bracket against the end of the manual sheave as illustrated. Attach the bracket to the driven base or other secure area. Adjustment of the drive is done by threading this handwheel in and out.
7. Adjust the flanges of the manual sheave open. Place the belt into the groove of the spring-loaded sheave and pull it into the sheave enough to position the belt into the groove of the manual sheave. Seat the belt in the Var-A-Cone sheaves by adjusting the manual sheave while rotating the drive by hand.



CAUTION: Belts must **NOT** be pried over the flanges of either sheave as this will damage the belt. Drive **MUST** be rotated while manual sheave is adjusted to prevent damaging drive components.

WARNING

All rotating equipment must be properly guarded to prevent personnel from coming in contact with the drive. Failure to do so could result in serious injury.

8. The drive is now ready to operate.

WARNING

Do Not attempt to disassemble Var-A-Cone sheaves. One sheave is spring-loaded and disassembly could cause injury. No replaceable parts are available for Var-A-Cone sheave.



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