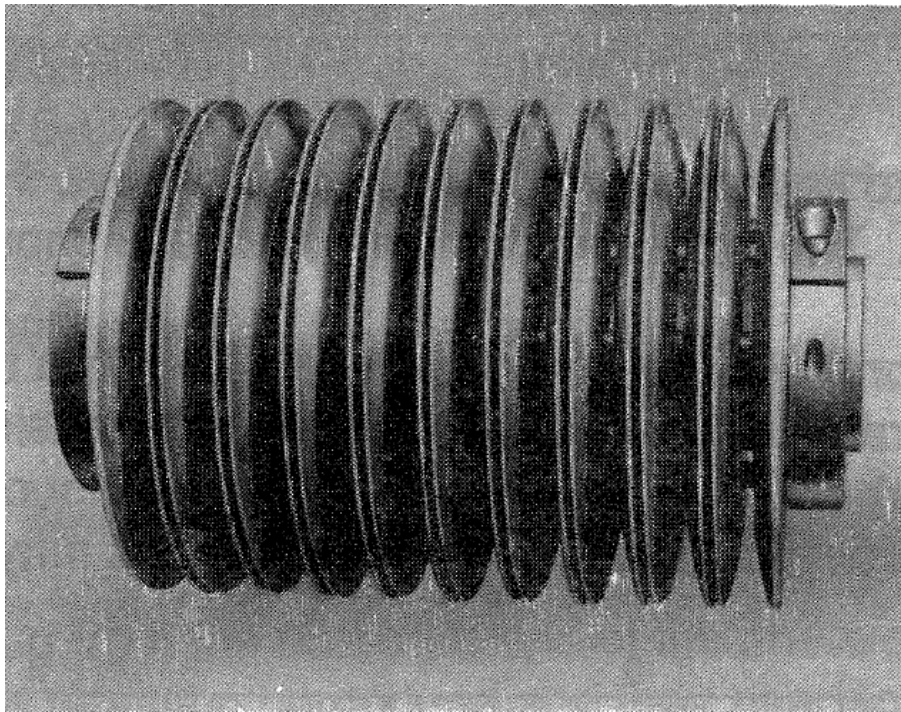


SVS Type II (5 Grooves or More)

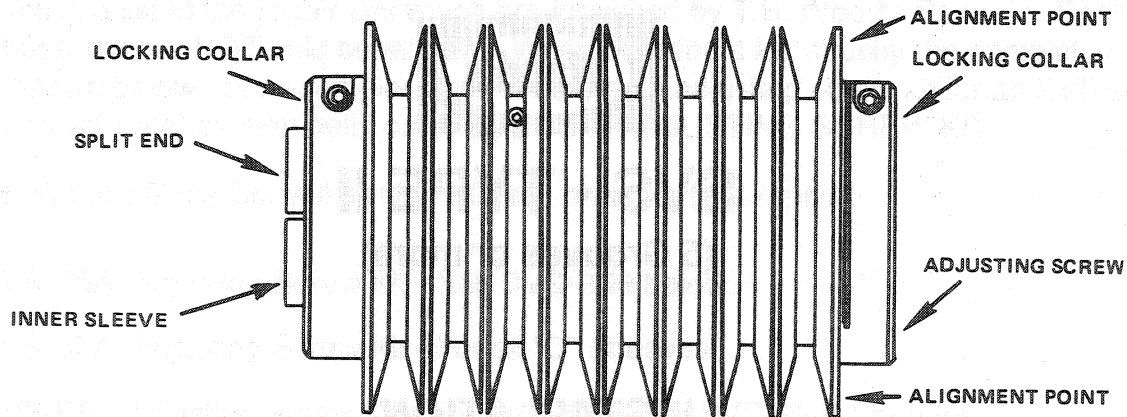
Installation & Maintenance Manual

P-5074-TBW
Form 936



INSTALLATION AND OPERATION INSTRUCTIONS

TYPE II (5 Grooves or more)



1. Remove SVS sheave from carton and inspect for any broken pieces. If damaged claim should be filed with the freight company.
2. Secure the companion sheave to the driven shaft, following the instructions furnished with the Sure-Grip bushing.
3. **Loosen both** locking collars. Adjust the sheave to the completely closed position (maximum pitch diameter) by turning the adjusting screw clockwise.
4. Adjust the sheave in an open direction by turning the adjusting screw counter-clockwise as follows:

"B" Section	2-1/4 Turns
"C" Section	3 Turns

5. Inspect motor shaft and key for any nick or burrs & remove if present. Slide the SVS sheave onto the shaft. The split end of the inner sleeve should be toward the motor.
6. Using a straightedge or a piece of string, align the SVS with the driven companion sheave. Place the straightedge against the machined outside surfaces of the **OUT-SIDE** flanges of both sheaves. The straightedge should touch all four surfaces, as shown in Fig. 1. **Note:** The inboard sides of the flanges may not be in line.

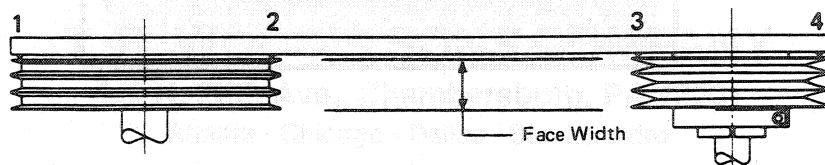


Figure 1

7. Adjust the SVS to the desired pitch diameter. Either count the number of turns of the adjusting screw or measure the face width of the sheave in accordance with Table 1.

Table 1

Sheave	Turns of Adj. Screw Min. to Max. P.D.	One Turn Changes P.D.Approx.	1/8" change in Face Width Changes P.D. (Approx.)
SVS-B	9	.157	.47
SVS-C	12	.186	.47

8. Tighten both locking collars to the torque required in Table 2, but do not exceed these values. This locks all components of the sheave to prevent fretting or wear of adjusting parts. The inboard collar also clamps the sheave to the motor shaft.

Table 2

Sheave	Wrench Torque (ft. - lbs.)
SVS-B	60
SVS-C	75

9. Install the belts without forcing or prying them over the flanges, and apply the proper tension to the drive. **Warning:** If the belt deflection method is used to tension the drive, **never** exceed the values in Table 3.

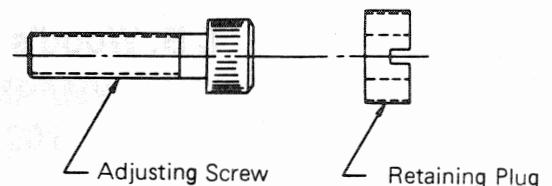
Table 3

Sheave	Belt	
	Sure-Grip Prem.(lb.)	Torque-Flex(lb.)
SVS-B	7	9-1/2
SVS-C	14	19

10. Install OSHA approved belt guards.

SVS TYPE II Replacement of Adjusting Screw

- Remove the retaining plug from the outboard end of the sheave by using a large screwdriver. **Note:** Plug is held with a retaining compound and may need to be heated to break the bond.
- Remove the adjusting screw. **Note:** No further disassembly of the sheave is necessary or recommended.
- The threaded holes in the flanges may be cleaned with a hand tap, if necessary.
- Install the new adjusting screw and retaining plug.

**Figure 2**

REPAIR KITS FOR SVS TYPE II SHEAVES

The following is a list of the repair kits which are furnished by T.B. Wood's Sons Co. Parts contained in these kits are NOT sold separately. When ordering a kit, specify the complete nomenclature as shown below. For example: when ordering an adjusting screw kit for an SVS sheave which is used with 5"c" section belts order SVS C5-A ADJUSTING SCREW KIT.

Note: T.B. Wood's Sons Co. will furnish **NO** iron parts for field repair.

SVS-B5A Adjusting Screw Kit - See SVS-B5B below.

SVS-C5A Adjusting Screw Kit - For all "C" Sheaves.

SVS-B5B Adjusting Screw Kit - For SVS-59-B thru SVS-69-B Sheaves

TB Wood's Facilities

North America

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440 North Fifth Avenue
Chambersburg, PA 17201 - USA
888-829-6637 * 717-264-7161

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For Application Support

1-888-829-6637 (Press #7)

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+1 780-439-7979

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Svendborg Brakes
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