

Sleevoil® Auxiliary Seal and End Cap Kits Instruction Manual

These instructions must be read thoroughly before installation or operation. This instruction manual was accurate at the time of printing. Please see dodgeindustrial.com for updated instruction manuals.

WARNING: To ensure the 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.

NOTE: Consult construction drawing or specifications to determine which type of auxiliary seal or end closure is to be used for the installation. Neither these instructions nor the instructions packed with the pillow block specify which type of auxiliary seal is to be used.

STANDARD AUXILIARY SEAL KIT

1. Remove parts from box, clean parts and inspect for damage. Remove any burrs or nicks from auxiliary seal housing and pillow block housing tapered plot.
2. Wrap cork seal around shaft next to pillow block. Wrap seal retainer around seal. Slide free end of seal retainer through clasp and pull tightly (Figure 2).
Cut off excess retainer material and push down clasp lip - if lip breaks, discard it. Seal retainer may be disengaged before installation by straightening a paper clip, inserting it between the bands (on each side of the serrations) and through the clasp. Then pull the free end of the retainer back out of the clasp.

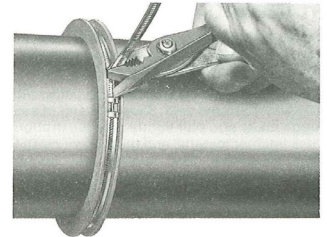


Figure 1 - Standard Auxiliary Seal Kit

WARNING: Because of the possible danger to person(s) or property from accidents which may result from the 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, maintenance and operation 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 Dodge® nor are the responsibility of Dodge. 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 equipment in the system and the potential hazards involved. When risk to persons or property may be involved, a holding device must be an integral part of the driven equipment beyond the speed reducer output shaft.

WARNING: All products over 25 kg (55 lbs) are noted on the shipping package. Proper lifting practices are required for these products.

Figure 2 - To properly tighten seal retainer, hold clasp stationary with a screwdriver, grasp free end of retainer with pliers and rotate pliers toward screwdriver



3. Remove the protective covering from the gaskets to expose the pressure sensitive adhesive tape. Place one gasket on each auxiliary seal housing half.
4. Position auxiliary seal housing halves on pillow block pilot so that "UP" is at the top and tighten bolts while tapping auxiliary seal housing toward pillow block. This assures proper seating of the taper. Torque bolts to 130 in-lbs.

AUXILIARY SEAL KITS WITH ALUMINUM SEALS

1. Discard the cork seal and seal retainer packaged with the Auxiliary Seal Kit. The aluminum seals are packaged separately.
2. Wrap O-ring around shaft and cut length to fit shaft. For the most effective seal, O-ring ends must meet. Cementing ends together is recommended.
3. Remove aluminum seal from box, disassemble, clean and inspect for damage. Remove any burrs or nicks from
4. Place one aluminum seal half on shaft, locating O-ring in seal groove. Place other half in position. Install and tighten screws.
5. Remove the protective covering from gaskets to expose the pressure sensitive adhesive. Place one gasket on each auxiliary seal housing half.
6. Position auxiliary seal housing on pillow block pilot so that "UP" is at top and tighten bolts while tapping auxiliary seal housing toward pillow block. This assures proper seating of the taper. Torque bolts to 130 in-lbs.

AUXILIARY SEAL KITS WITH LIP TYPE SEALS

1. Discard the cork seals packaged with the Auxiliary Seal Kit. The lip seals are packaged separately.
2. Clean auxiliary seal housing and inspect for damage. Remove any burrs or nicks from the auxiliary seal housing and the pillow block housing tapered pilot.
3. Lay auxiliary seal housing face down and place lip seal in position. Stack spacer on top of seal until combined thickness of seal and spacers extends past auxiliary housing seal groove by .015" to .080". This determines the number of spacers required for the application.

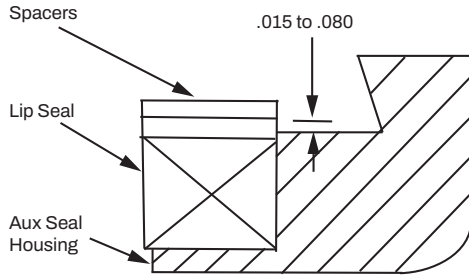


Figure 3 - Auxiliary Seal with Spacers

4. Apply grease to the shaft in the seal area. Remove spring from lip seal. Wrap lip seal around shaft so that lip faces in the desired direction. Lip of seal should face toward pillow block to keep oil in the unit. Lip of seal should face away from pillow block to keep contaminants out of the unit. Install seal spring inside seal lip. Rotate seal so that split is at top and push seal against housing face.
5. Make sure seal ends are butted together and wrap seal retainer (from Auxiliary Seal Kit box) over lip seal so that seal split and retainer clasp are at the top. Slide free end of retainer through clasp and pull tightly. (Figure 2) Cut off excess retainer material and push down clasp lip - if lip breaks, discard it. Seal retainer may be disengaged before installation by straightening a paper clip, insert it between the bands (on each side of the serrations) and through the clasp, then pull free end of seal retainer back out of the clasp.

6. Wrap the required number of spacers (determined in Step 3) around the shaft, pushing them against the lip seal.
7. Remove the protective covering from the gaskets to expose the pressure sensitive adhesive. Place on gasket on each auxiliary seal housing half.
8. Position auxiliary seal housing halves on pillow block housing pilot so that "UP" is at the top and tighten bolts while tapping auxiliary seal housing toward pillow block. This assures that the seal is properly clamped and the auxiliary seal housing is seated on the pillow block pilot. Torque bolts to 130 in-lbs.

END CAP KIT

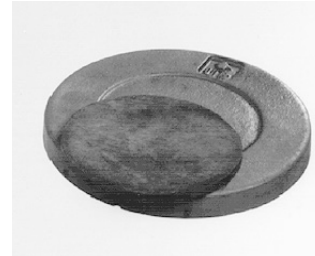


Figure 4 - Kit Contents

1. If end closure kit is to be installed on a pillow block already in service, it will be necessary to remove the pillow block cap.
2. Remove end closure housing from box. Clean and inspect for damage. Remove any burrs or nicks from the end closure housing and the pillow block housing tapered pilot.
3. Install the neoprene disc in the seal groove of the pillow block housing base.
4. Install pillow block housing cap in accordance with the instructions packaged with the pillow block.
5. Install end closure housing on pillow block pilot so that the set screws are at the bottom. Tighten set screws while tapping end closure housing toward pillow block.

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