

ABS SUPER SEAL KIT

Installation Instructions

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The products, technical information, and instructions contained in this manual are subject to change without notice.

These instructions are not intended to cover all details or variations of the equipment, nor to provide for every possible contingency in the installation, operation or maintenance of this equipment. This manual assumes that the person(s) working on the equipment have been trained and are skilled in working with electrical, plumbing, pneumatic, and mechanical equipment. It is assumed that appropriate safety precautions are taken and that all local safety and construction requirements are being met, in addition to the information contained in this manual.

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Contact Information:

To inquire about current revisions of this and other documentation or for assistance with any Cornelius product contact:

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This document contains the original instructions for the unit described.

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INSTALLATION INSTRUCTIONS

SAFETY INSTRUCTIONS

WARNING:

Before starting installation, read and understand all safety label and warnings on the machine. Also review and understand all safety instructions in the owners, installation and service manuals.

Failure to comply could result in serious injury, death or damage to the equipment.

QUALIFIED SERVICE PERSONNEL

WARNING:

Only trained and certified electrical, plumbing and refrigeration technicians should service this unit.

All wiring and plumbing must conform to national and local codes. Failure to comply could result in serious injury, death or equipment damage.

SAFETY PRECAUTIONS

This unit has been specifically designed to provide protection against personal injury. To ensure continued protection observe the following:

WARNING:

Disconnect power to the unit before servicing. Follow all lock out/tag out procedures established by the user. Verify all power is off to the unit before performing any work.

Failure to comply could result in serious injury, death or damage to the equipment.

CAUTION:

Always be sure to keep area around the unit clean and free of clutter.

Failure to keep this area clean may result in injury or equipment damage.

ABS Super Seal Kit

Part #	Description	Qty.
620519602	Super Seal	1
620716605	Seal Shaft	1
560001551	Shaft Plate	1
560001560	Screws	2
120227000	Washer	2
620049702	Scraper	1
620046334	Super Seal Retainer/ Instal. Tool	1
620802504	Bubble Wrap	0.001
629088365INS	Instruction Sheet	1
620716505	Cup Seal	1
629088433**	Screw Kit	1
560002729	Deflector	1

** Figure 17.

Disassembly Instructions

1. Remove the conveyor and set it aside.
2. Remove the deflector and set it aside.

3. Remove the motor and gearbox assembly, see Figure 1.



Figure 1.

4. Remove the drive collar by loosening the 2 screws, see Figure 2, slide the coupler off of the "D" shaft.



Figure 2.

5. Place the super seal assembly on the gearbox with the steel plate on the flat of the shaft. The plate should be seated on the bottom of the flat, see Figure 3.

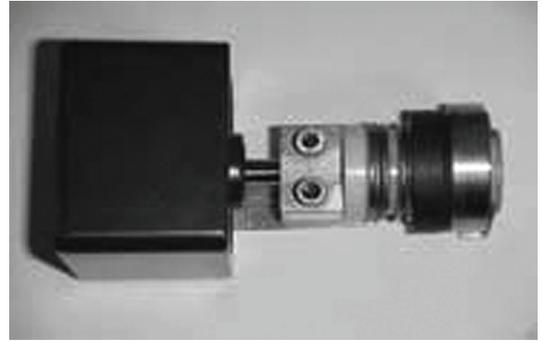


Figure 3.

6. Alternately tighten the screws until the coupler is firmly secured and will not slide or rotate on the shaft – do not over tighten the screws, do not exceed 25 in. lbs.

Super Seal Shaft and Plate Assembly

1. The super seal shaft and shaft plate are secured by two 10-32 X 3/4" screws and split washers – Figure 4.

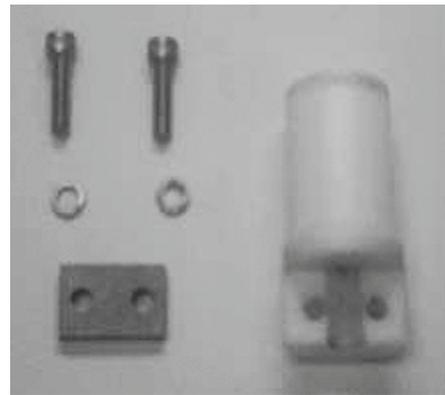


Figure 4.

2. Place the shaft plate on the flat of the super seal shaft and insert the screws and washers until the plate is approximately 1/8" from the flat of the super seal shaft see Figure 5.

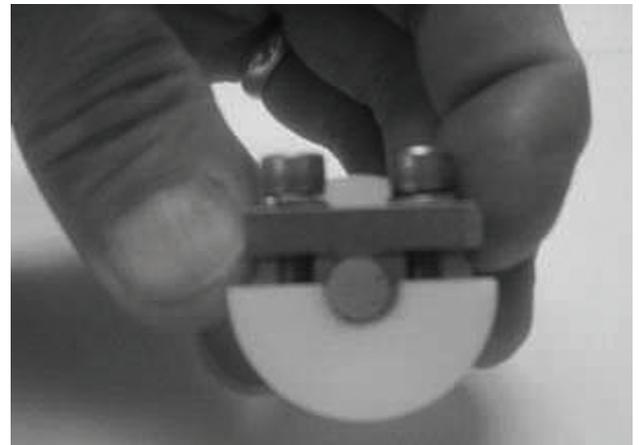


Figure 5.

- Place the super seal shaft and plate assembly onto the gearbox shaft, place the bottom of the shaft plate on the flat of the gear box shaft - Figure 6.

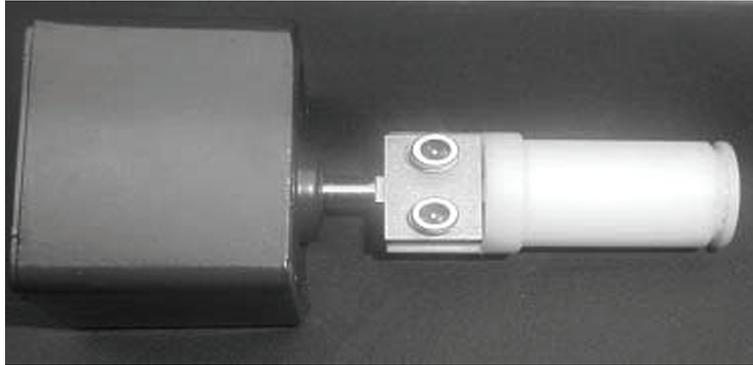


Figure 6.

- Use a 5/32" Allen bit to secure the screws, the screws must be tightened alternately, one turn each until both the screws are secure, see Figure 7.

NOTE: Special Tools/Fixtures Require 5/32" Allen head bit and drive handle



Figure 7.

- Tighten the screws to 25 inch pounds.
In lieu of a torque wrench tighten down the screws until the split washer just flattens out then give each screw an additional 1/2 turn.
- The gap between the super seal shaft and plate should be equal on both sides of the shaft. See Figure 8 and Figure 9.

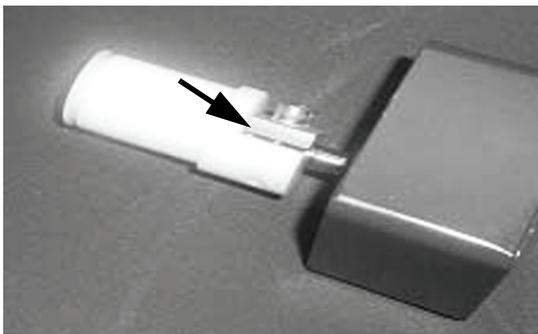


Figure 8.

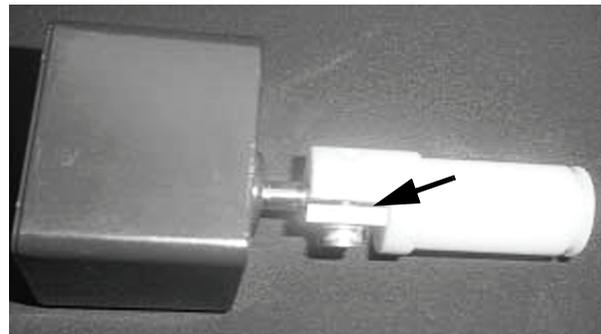


Figure 9.

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7. Do not install and tighten down one screw at a time, Figure 10 and Figure 11, this causes a misalignment between the plate and super seal shaft.
-



Figure 10.



Figure 11.

-
8. The bottom of the screws should be evenly inserted into the super seal shaft and within a few threads of protruding from the back of the super seal shaft – Figure 12.



Figure 12.

Assembly Instructions

1. Place the “T” shaped foam scraper into the sink’s drive assembly cavity until the top of the “T” protrudes through the sink, see Figure 13.



Figure 13.

-
2. Rotate the scraper with enough pressure to remove any excess foam, use caution not to scratch up the plastic this may lead to leaks and premature wear of the “O” ring.
-

3. Determine if sink is the new style or old style:
 - A. Old style sink is 1/8" thick material when measured through the drive shaft hole or place your finger in the hole and feel the bottom side of the material, the old style feels textured and has a groove molded in, see Figure 14.
 - B. New style sinks are 1/4" thick and the bottom side of the hole will feel smooth and flat (A backing plate has been added).

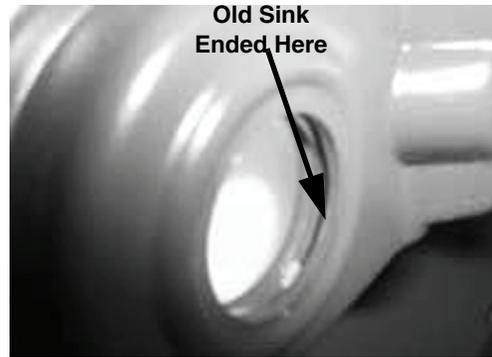


Figure 14.

Assembly Instructions - New Style Sink

1. Use the super seal as it comes assembled- the steel collar will have an "O" ring installed in it.
2. Re-install drive assembly— before doing the final tightening of the motor bolts center the coupler in the opening.
3. Re-install remaining assemblies in reverse order, see Figure 15.
4. Using the screw kit (See Figure 17), install the drive shaft assembly.

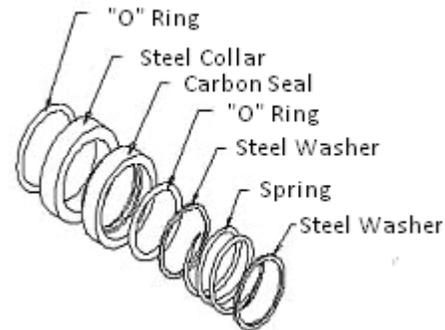


Figure 15.

Assembly Instructions - Old Style Sink

1. Remove the "O" ring from the steel collar and replace with the cup seal, see Figure 16.
2. Re-install drive assembly— before doing the final tightening of the motor bolts center the coupler in the opening.
3. Re-install remaining assemblies in reverse order.
4. Using the screw kit (See Figure 17), install the drive shaft assembly.

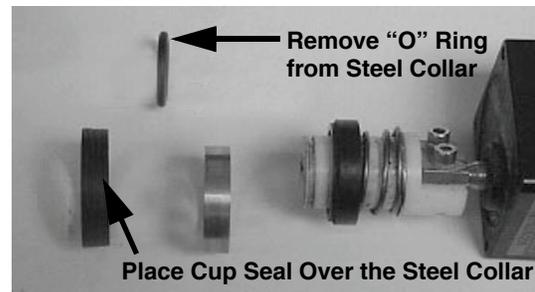


Figure 16.

Screw Kit



Figure 17.

ABS ConveyorMotor
Screw Mounting Kit
COUSA PN#17997

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