Instructions for the 9500 CorrPro 12 mm Upgrade and Rebuild Kit with Rotating Syphon

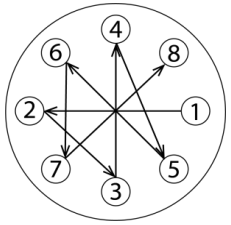
fluidhandling.kadant.com/en/knowledge-center/installation-and-repair-instructions/9500-corrpro-12-mm-upgrade-stationary-syphon

Effective: May2, 2025

Introduction

Read all of the instructions before proceeding.

Refer to Kadant Johnson assembly drawing for part identification and to drawing A37640 for torque specifications. For easy identification, parts used in individual steps are often accompanied with their position in the assembly drawing [e.g. gasket (8B)]. Tighten all fasteners in a star pattern. Certified drawings are available upon request. Dimensions are for reference only and subject to change.



Safety

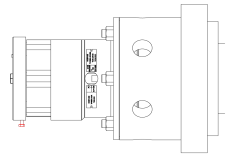
This safety symbol alerts you to risk of death or injury if the instructions are not followed. In all steps, death or injury may result if the machine is not de-energized, depressurized, cooled, and stopped. Death or injury may occur if the product is operated with a fluid type or at a pressure, temperature, or speed that does not meet its specifications. Death or injury may occur if heavy parts and pinch hazards are not handled properly. Follow your company's safety procedures.

Tools

Assorted Combination Wrenches	Assorted Sockets 30 to 250 lbs Torque Wrench	Syphon Handling Tool

Step 1

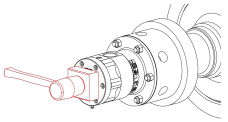
Check that the adjustment screw (2D) is tight, this will prevent making syphon adjustments later. Disconnect the piping.



Equipment must be cool and free of pressure.

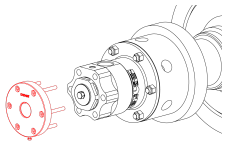
Step 2

Unthread the support tube nut approximately two turns. Place a block of wood over the nut and strike it with a hammer. This will break the tapered seal inside the rotary joint.



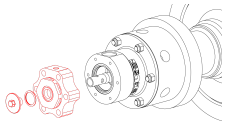
Step 3

Remove the retaining ring.



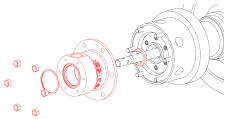
Step 4

Unthread the support tube nut and set aside. Remove the cup seal from the head and discard. Remove the head.



Step 5

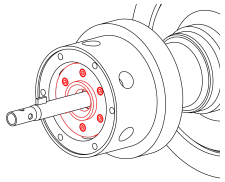
Remove the cup seal on the end of the body and discard. Remove the body and seal ring.



⚠ Spring force present during removal.

Step 6

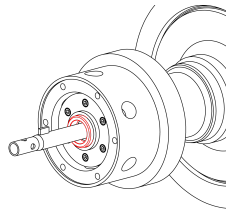
Inspect the wear plate. If it is damaged, replace using a new gasket and/or O-ring(s).



Step 7

Place three equally spaced drops of seal ring installation fluid on the conical side of the seal ring. Install the seal ring.

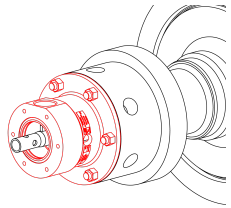
Important: Make sure the seal ring is centered and does not fall off the wear plate.



Step 8

Install the upgrade cartridge assembly to the bracket and secure with the provided fasteners (1A).

IMPORTANT: Check the seal ring wear/set-up dimension indicator to ensure proper set-up.

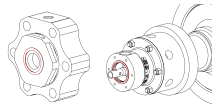


⚠ Pinch hazard during installation.

⚠ Spring force present during installation.

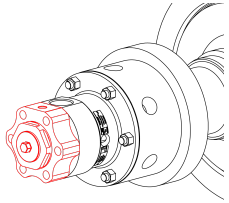
Step 9

Apply anti-seize to the threads and tapered portion of the horizontal tube. Lubricate and install a cup seal (12 and 2E) in the body and head.



Step 10

Position the head on the horizontal tube. Finger tighten the nut on the horizontal tube.

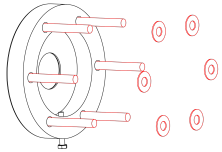


Important: Make sure that the key on the horizontal pipe is engaged with a keyway on the head.

Note: Orient the outlet connection in the desired position.

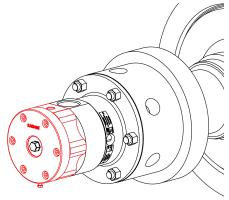
Step 11

Insert the cap screws (2A) into the retaining ring. Slide the spring washers (2B) over the cap screws with the convex side facing the retaining ring.



Step 12

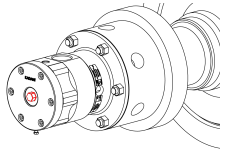
Install the retaining ring into the head. Fasten retaining ring and head to the body with cap screws. Torque 30 to 42 ft-lbs (41 to 57 Nm).



Important: Install the retaining ring and head so that they are centered on the body.

Step 13

Torque the horizontal tube nut to 175 to 200 ft-lbs. (237 to 271 Nm).



9500CorrPro-12mm-Stationary-UPGRADE

The Kadant Johnson Warranty
Kadant Johnson products are built to a high standard of quality. Performance is what you desire: that is what we provide. Kadant Johnson products are warranted against defects in materials and workmanship for a period of one year after the date of shipment. It is expressly understood and agreed that the limit of Kadant Johnson's liability shall, at Kadant Johnson's sole option, be the repair or resupply of a like quantity of non-defective product.

Kadant Johnson rotary joints and accessories could be subject to European Pressure Equipment Directive 2014/68/EU (PED). Modifications or changes to rotary joints and/or accessories are only permitted upon approval of Kadant Johnson. Only genuine Kadant parts and original accessories will ensure the safety of these assemblies. The use of other than original parts voids the warranty and will lead to forfeiture of the declaration of conformity and will invalidate any liability for damages cause thereby.