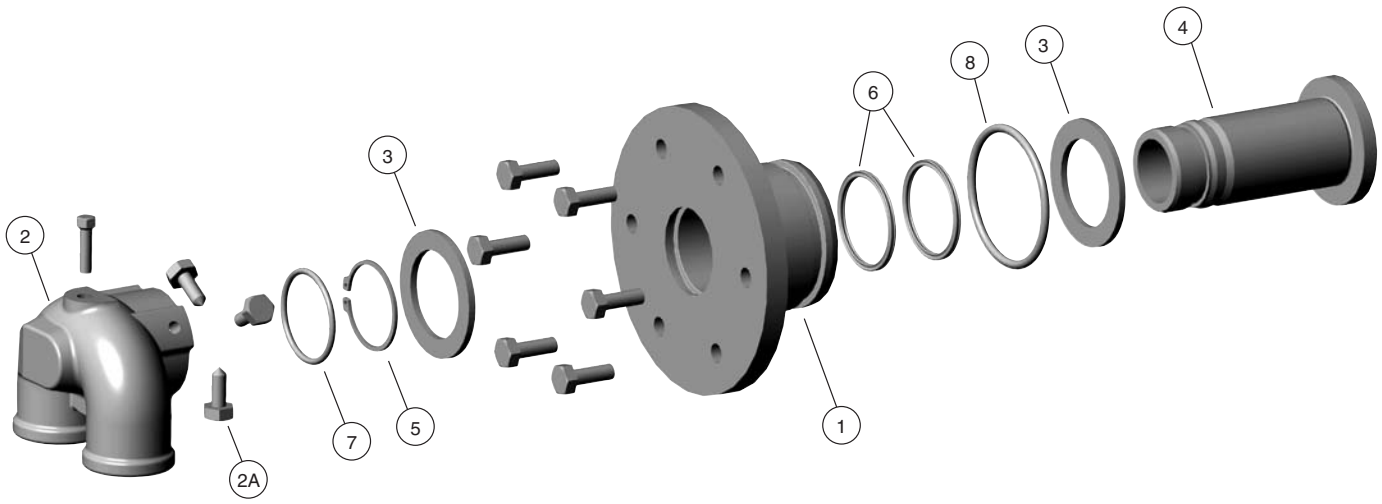
Disassembly and Repair of Type C-Cast Joints



Type CJID

When ordering a repair kit specify the joint size, style and part ID located on flange.

ROTARY JOINT REPAIR KITS AVAILABLE:

Joint Size	Repair kit ordering number
3/4″	RK-3200 CJI
1″	RK-3300 CJI
1-1/2″	RK-3500 CJI

REPAIR KITS ARE AVAILABLE CONSISTING OF:

Item #	Qty	Description
2A	3	Hex Head Cap Screw
3	2	Thrust Washer
5	1	Retaining Ring
6	2	Quad Seals*
7	1	O-Ring
8	–	O-Ring**
	1 Tube	CSS800-2, Nipple Grease
	1 Tube	CSS800-1, O-Ring Lube
	0.5 ml	Thread Locker

*Registered Trademark of Minnesota Rubber Co.

**Quantity and size vary with application requirements. Must order separately.

NOTE: Please follow your company's safety procedures whenever working on Kadant Johnson rotary joints and read all of the instructions completely before proceeding.

Please refer to the assembly drawings supplied with your Kadant Johnson rotary joint for part identification. If you have any questions, please contact your representative or Kadant Johnson.

Tighten all fasteners in a star pattern. See joint assembly drawing for torque specifications.

This procedure is written to ensure maximum possible life expectancy of the journal-inserted rotary joint through proper assembly of critical components. This joint must not be disassembled or reassembled without using a new seal.

DISASSEMBLY:

STEP 1.
Close the inlet and outlet valves.

STEP 2.
Loosen the three hex head cap screws (2A) and remove the head (2).

STEP 3.
Remove retaining ring (5) and external thrust washer (3). Push nipple (4) through body (1) and remove the remaining thrust washer from the nipple.

STEP 4.
Remove the Quad Seals (6) being careful not to damage the groove they are installed in.

Clean all parts with a solvent and scrubbing pad. Dry thoroughly. Inspect the nipple (4) for wear. If worn through the plating where the Quad Seals run or on the nipple tube, replace the nipple (4).

Inspect the bore of the body and the Quad Seal grooves. Replace body (1) if there is wear in any of these areas.

REASSEMBLY:

STEP 5.
Install two new Quad Seals (6) into the body grooves and coat the body I.D. and the very end of the nipple with c-cast lube CSS800-2.

STEP 6.
Lightly grease one thrust washer (3) and slide onto the nipple tube (4) until it rests against the nipple's flange.

STEP 7.
Slide the nipple (4) through the body (1).

STEP 8.
Lightly grease the second thrust washer (3) with the c-cast lube and slide onto the nipple. Secure with retaining ring (5).

STEP 9.
Wipe off all grease from the end of the nipple.

STEP 10.
Install a new o-ring (7) in head (2).

STEP 11.
Lubricate the end of nipple (4) with clear silicone o-ring lube CSS800-1.

STEP 12.
Slide head (2) over nipple (4).

STEP 13.
Apply "Thread Locker" (Loctite 242) to the threads of the three hex head cap screws and install in the head (2), locking it to the nipple (4).

At the time of installation on your caster, install an o-ring (8) into the body groove and lubricate with the o-ring lube CSS800-1.

This o-ring is not listed on the repair parts Bill of Material as the size varies with machine type and must be ordered separately.

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 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.

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