



Read all of the maintenance instructions and safety procedures before proceeding.

1	C SERIES HOUSING	1
2	C SERIES SHAFT	1
3	C SERIES HOUSING FLANGE	1
4*	SEAL RING	2
5	BOLTS	X
6	NUT	X

\* Spare parts set

1. Close inlet and outlet valves and wait for all the medium in the system to be drained completely. If hot medium is used, wait system to be cooled down to normal temperature.
2. Disassemble the ball joint from the system with an appropriate tool.
3. Now the joint is ready for maintenance.
4. Put the ball joint on a clean table on to the backside of the joint.
5. Remove hex bolts(5) and nuts(6) with an appropriate wrench and separate housing flange(3) from the housing(1).
6. Take out the front seal ring(4) from the housing.
7. Hold the shaft(2) from the nose and take it out.
- 8- Take out the back seal ring(4) from the housing.
9. Clean all parts and pay attention not to leave any dirt, burr, etc. inside.
10. Place a new back seal ring into the housing, convex face facing upwards.
11. Clean shaft(2) surface carefully.
12. Inspect convex surface, if there is any deformation, replace it with new one.
13. Apply grease onto the concave surface of the shaft and assemble the shaft onto the back seal ring.
14. Assemble front seal ring(4) onto the shaft while both convex and concave surfaces facing together.
15. Clean housing flange(3) and assemble it onto the housing.
16. Fix housing flange to the housing with bolts(5) and nuts(6) correspondingly.
17. Measure gap between housing flange and housing. Be sure that it is in standard catalogue range.
18. Do not tightened bolts and nuts too much lower than catalogue range.
19. Be careful not to apply force on the ball joint while assembling the joint to the system.
20. Open inlet and outlet valves, check if any leaking occurs. If there is no leakage, the ball joint is ready to be placed back in service.