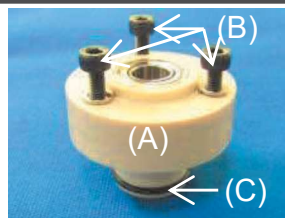


## 013607 RRDE-3A High corrosion resistant bearing assembly



### RRDE-3A High corrosion resistant bearing assembly

- (A) Bearing assembly
- (B) Hexagonal screws (3 pcs)
- (C) O ring

Following tools are necessary for the replacement.

▪ Phillips screwdriver (#1) ▪ Hexagon wrench(0.89 mm, 2.5 mm) ▪ Tweezer  
012651 RRDE-3A Upgrade maintenance tool kit contains the Phillips screwdriver and hexagon wrenches.

We recommend the work with wearing gloves for avoiding sebum dirt.

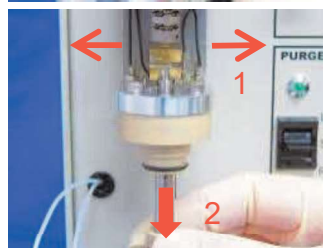
### How to replace the bearing assembly



1. Move the motor unit to top position, remove 4 screws on the motor cover with Phillips screwdriver (#1), then take off the cover from the motor unit.



2. Hold the shaft assembly underpart with one hand and loosen the two screws on underside of coupling unit with hexagon wrench (0.89 mm) with another hand.  
(CAUTION: Do not loosen the two screws on the upper side of coupling unit. They are used for motor connection.)



3. Loosen the screws of silver carbon brush and pull out the shaft assembly gently.  
(NOTE: If the shaft assembly is severely damage and can't pull out easily, please do next step 4. in advance, then remove the shaft assembly together with the bearing assembly.)



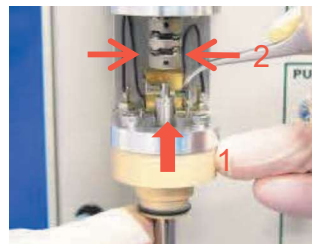
4. Remove the hexagonal screws(3pcs) for fixing the bearing assembly by using hexagon wrench(2.5 mm).  
When removing the screw at the back, be careful not to hit the silver carbon brush.



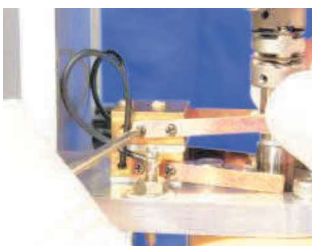
5. Turn over the motor unit and wipe the dirt from the contact surface of the frame plate and bearing assembly.



6. Fix the new bearing assembly(A) on the motor frame plate with the hexagonal screws(3pcs) (B).



7. Insert the new or cleaned shaft assembly through the bearing assembly(A) while pulling the silver carbon brush with tweezers. Fix the shaft assembly on coupling unit.  
Check the silver carbon brush contact position. Please make reference at the RRDE-3A Operation manual.



8. Tighten the screws so that the silver carbon brush contacts the shaft assembly.



9. Fix the motor cover by screwing the 4 screws.

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