

013643 RRDE-3A Shaft assembly Ver.2

How to replace the RRDE-3A Shaft assembly, use following tools.

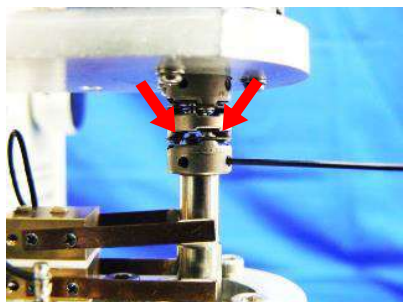
- Phillips screwdriver(#1)
- Hexagon wrench(0.89mm)
- Tweezers

013646 RRDE-3A maintenance tool kit contains the phillips screwdriver and hexagon wrenches.

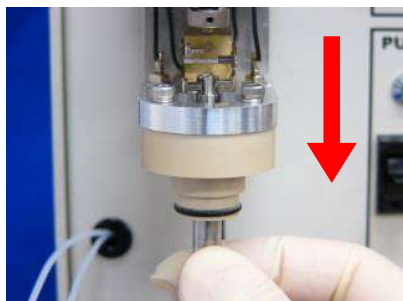
We recommend to work with wearing gloves for avoiding sebum dirt.



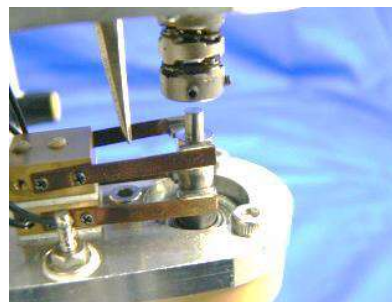
- 1.Remove the screws by using the Phillips screwdriver(#1) for detaching the cover of motor unit.



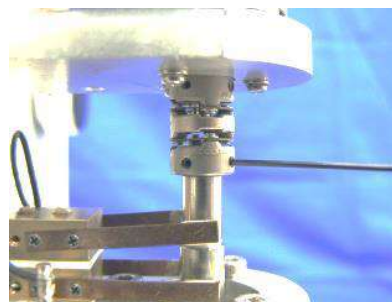
- 2.Hold the shaft underpart with one hand and loosen the two screws on underside of coupling with hexagon wrench(0.89mm) with another hand. (CAUTION: Do not loosen the two screws on the upper side of coupling. They are used for motor connection.)



- 3.Pull out the shaft gently. If the shaft gets stuck with the carbon brush, loosen the brush fixing screws or expand the brush head by tweezers. (NOTE: If the shaft is severely damaged and cannot be pull out easily, please remove the bearing assembly in advance, then remove the shaft together with the bearing.)



- 4.Insert the new shaft gently through the bearing while loosening carbon brush screws or pulling the carbon brush with tweezers.



- 5.Fix two screws on underside of coupling and confirm the well connection with shaft. Check the carbon brush contact position. Please refer to the RRDE-3A manual. Then rotate the motor at 8000 rpm to see whether the rotation is normal.



- 6.If there is nothing abnormal behavior, fix the motor cover by 4 screws.

CAUTION

If the shaft seriously corroded, it might not be pull out from the bearing at step 3. In this case, you need to buy 013607 RRDE-3A High corrosion resistant bearing assembly and replace it.

For details, refer to "RRDE-3A Rotating Ring Disk Electrode Apparatus Ver. 2.0" manual from the following URL.

<https://www.als-japan.com/support-instrument-manual.html>

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