

Instruction Sheet

Aquaculture Buoy Brush Replacement

0036430 - RDO Classic Cap & Brush Replacement Kit | 0036440 - Replacement Wiper Brush Kit

Kit Contents

0036430 - RDO Classic Cap and Brush Replacement Kit

- RDO Classic Cap
- Lens wipe
- O-rings
- O-ring grease
- Brush holder
- Brush
- Brush screw
- Hex wrench

0036440 - Replacement Wiper Brush Kit

- Brush holder
- Brush (2)
- Brush screw
- Hex wrench

Required Equipment

- Soft bristle brush (toothbrush)
- Gloves
- Flashlight (optional)

If replacing the brush and housing, the following are required:

- 5/64 in. Allen hex wrench
- 3/32 in Allen hex wrench (some brush models)
- Ruler or measuring tape

RDO Cap Replacement

Refer to the RDO Classic Sensor Cap Replacement Kit instruction sheet.

Old Brush Removal

1. Remove the lid from the battery box.
2. Remove the red lead from the battery.
3. Pull up on the brush motor housing tube (the short tube on the top of the buoy with the round end cap). The brush assembly is attached to the housing. Pull the entire assembly out of the tube.

✓ You do not need to remove any screws to remove the brush assembly from the tube.



4. Put on gloves to handle the fiberglass drive shaft.
5. If replacing only the brush bristles, slide the existing bristles off the brush holder. If replacing the entire brush, loosen the set screw holding the existing brush in place using a 5/64 in. or 3/32 in. Allen hex wrench, depending on the brush model.
6. Slide the existing brush off of the fiberglass shaft.

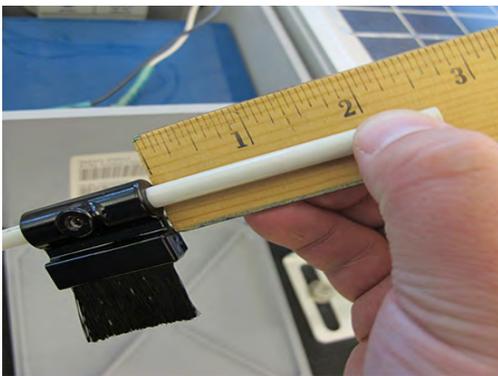
New Brush Installation

1. Clean the fiberglass shaft thoroughly.
2. Clean the RDO PRO or RDO Titan sensor cap using clean water and a soft bristled brush (such as a toothbrush).

✓ You can slide the probe forward (away from the cable end) through the drive shaft down tube for easier access by loosening the compression fitting. Be sure to slide the probe back into place when it is clean.

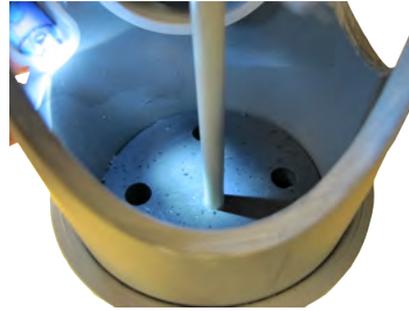
⚠ The sensor face on the cap should be black. Replace the RDO Sensor Cap when white film or white, pink, or clear spots are present.

3. If replacing only the brush bristles, slide the new bristles fully in to the brush holder slot. If replacing the entire brush, loosen the set screw on the new brush using a 5/64 in. Allen hex wrench.
4. Slide the new brush onto the fiberglass shaft until the bottom of the brush is approximately 6.4 cm (2.5 in.) from the bottom of the fiberglass shaft. Tighten the set screw of the brush so that the brush is held in place.



⚠ Do not over-tighten the screw, as the brush needs to be adjusted once the brush assembly has been reinstalled.

5. Slide the entire assembly back into the down tube. Ensure the bottom of the drive shaft is inserted into the center hole of the bottom plate of the down tube assembly. Press the motor housing firmly back into the slot on the top of the buoy.



6. Loosen the brush set screw and align the center of the brush with the center of the RDO PRO or RDO Titan cap.
7. Adjust the RDO Probe or RDO Titan so that the brush makes contact with the sensor surface. The probe should be 3.2 cm (1.25 in.) from the fiberglass shaft.

⚠ Do not place the sensor too close to the brush. This may cause wear on the sensor surface.

8. Reattach the red lead to the battery terminal. The brush rotates when power is reconnected. Observe the rotation. The brush should wipe squarely across the face of the sensor. Adjust if needed.
9. Replace the battery box lid.

⚠ Replace the brush bristles every time you replace your RDO cap.

Reorder part numbers:

0036430 - RDO Cap & Brush Kit

0036440 - Brush Kit Only (order when you have extra RDO Caps already)