



Breakdown Procedure for Low Speed Electric Downriggers (units prior to the redesigned 2011 downriggers)

- Step 1.** Remove the screws around the motor cover, and pry the motor cover off the motor housing.
- Step 2.** Along the bottom of the motor cover, there are 3 bolts that hold the motor housing onto the frame of the downrigger. Remove those screws, and pry the motor housing cover off the frame.
- Step 3.** To remove the motor from the motor housing, there are three screws on the outside of the motor housing that anchor it in place. Remove those screws, and unplug the motor wires from either the switch or the circuit board, whichever applies.
- Step 4.** To remove the switch or the circuit breaker, loosen the switch boot or the circuit breaker boot nuts on the outside of the housing cover. These are also sealed, so will have some resistance.
- Step 5.** The circuit board, if one is inside the downrigger, is sometimes held in place with two-sided tape. Others just float inside unsecured.
- Step 6.** To remove the reel from the downrigger frame, remove the brake knob, bearing race washers, and bearing race from the right side of the downrigger.
- Step 7.** Remove the downrigger cable from the reel, spooling it onto something that will prevent backlash so that you can put it back on when finished.
- Step 8.** Slide the 3-digit counter away from the spool, so that it is no longer in contact with the reel counter gear.
- Step 9.** Loosen the set screw in the center inside the reel. There are two holes. One is used to line up the set screw, the other is tapped to accept the set screw. The set screw does not have to be removed, just loosened enough so that the reel shaft and drive shaft are free. When re-assembling the downrigger, make sure that you line up the hole in the reel shaft with the hole for the set screw. The set screw must pass into the hole correctly so that the downrigger does not slip.
- Step 10.** Pull out the drive shaft, plates, and clutch pad from the frame of the downrigger.
- Step 11.** Push out the reel shaft from the frame.
- Step 12.** Remove the reel from the inside of the frame of the downrigger.

This completes the procedure.

NOTE: Upon re-assembly, we recommend the use of Dow Corning® 795 sealant to preserve the watertight seal of the downrigger. (795 comes in black and white.)