



Breakdown Procedure for Manual Downriggers

This is the procedure for breaking down the various hand-cranked downriggers produced by Cannon. There will be some variations to the procedure, as Cannon has been produced for many years, with minor changes being made in the design. This procedure will hold true for most. Some of the more obvious steps such as boom removal and rod holder removal have been left off the procedure as self-explanatory.

- Step 1.** Remove the handle by turning it counter-clockwise. The anti-reverse dog will not let the handle turn backwards. It will just turn off the ratchet shaft.
(NOTE: some of the earlier models used an acorn nut to hold the handle in place. This would have to be removed to take the handle off.)
- Step 2.** Remove the handle crank spring, bearing races and bearing from the ratchet shaft.
- Step 3.** Remove the clutch cover from the other side of the downrigger. The anti-reverse dog and anti reverse dog spring will come off with the cover. This will also expose the brake plate, clutch pad, and ratchet brake plate.
- Step 4.** Remove the downrigger cable from the reel. You will need to spool it onto something (another reel) so that you can put it back on when finished. You will want to make sure that there is some tension on the wire as you are putting it onto the other spool, so that it does not backlash.
- Step 5.** Loosen the set screw in the reel. It will be located at the center of the reel. There are two holes in the center of the reel itself. One hole is used for the set screw and so it threaded inside, and the other is used to line up the set screw with the reel shaft. The set screw does not need to be removed, just loosened enough so that it clears the reel shaft.
(NOTE: on earlier versions of the Unitroll HP & Easi-Troll HP models there were two plastic sleeves that enlarged the reel diameter to give it the quicker retrieval rate. They are held together by two screws that will need to be removed so that you can get to the set screw in the reel).
- Step 6.** Pull the reel shaft, brake plate, clutch pad, and ratchet brake plate out of the downrigger.
- Step 7.** Push the reel shaft out of the frame from either side.
- Step 8.** Push the counter, if one is in place, away from the spool. It will just slide clear, as the gear fits into the notch.
- Step 9.** Remove the reel from the frame.

This completes the procedure.