

# 60m XHD Winch Upgrade Kit Instructions

## Introduction

RNRG's 60 m HD and 60 m / 50 m XHD TallTowers require a winch cable of 91.5 m (300 ft.) instead of the 61 m (200 ft.) length winch cable included with the standard winch. The winch upgrade kit provides a longer winch cable and additional hardware necessary for installation of the 60 m HD and 60 m / 50 m XHD TallTowers. To upgrade your winch:

1. Set up your winch on a suitable surface, such as a workbench or flat ground.
2. Disengage the winch drum by turning the lever located on the side of the winch.
3. Grasp the thimble and pull to remove the cable from the drum. The drum should easily turn as you pull.
4. You can either stay in one place and pull the cable hand over hand and let it pile up on the ground (if you plan to scrap it) or walk it out to its full length and later re-coil it onto a spool, hank, etc.
5. When all the cable is off the drum, the end will still be attached to the drum with a set-screw. To loosen the set-screw, insert the Allen wrench into the screw, and rotate counter-clock-wise to loosen.
6. Pull the end of the cable out of the drum.
7. Take the end of the new 91.5 m (300 ft.) cable and insert into the hole in the drum. Be sure the cable enters the drum in the same orientation that the old cable was in. When facing the front side of the winch (fairlead side), the cable enters the drum on the lower side. Tighten the set-screw.
8. Set the new cable spool up in a manner to allow it to unroll as you put it back onto the winch; for example, a short piece of pipe through the spool and supported on blocks works well. A second person is also recommended to grasp the spool as it unwinds to prevent the cable from "springing" off the spool when it free-wheels.
9. Re-engage the drum by turning the lever back to its locked position.
10. Attach the winch power leads to a 12 volt deep cycle battery.
11. Before powering the winch, grasp the cable approx 1 foot from the fairlead (wearing leather gloves).

12. Set the control switch to “cable in” and power up the winch. Let the cable slip through your gloved hand, but maintain a steady grip, as you carefully guide the cable back and forth from each end of the drum. For safety, maintain your hand about a foot distance from the fairlead at all times. The

harder you can grip the cable as it winds, the tighter (better) a wrap will be formed. Try to avoid overlaps as you wind the cable.

13. When the thimble end is about 2 feet from the winch, turn off the winch and then carefully “bump” the switch several times to slowly wind in the last 2 feet.

14. The winch is now ready for use.

**NOTE: It is recommended that for the first use after installation of the new cable that a tower be raised, rather than lowered. This will allow the cable to re-wind onto drum much tighter than by hand, which in turn will help prevent the cable from pulling through the wrap layers under high tension.**