



PRODUCT NUMBER
H3-EXT-610

INSTALLATION INSTRUCTIONS FOR PREDATOR H3 WINCH SYSTEM

Congratulations on the purchase of your new accessory by Predator Motorsports. As with all products, proper installation is the key to obtaining all of the benefits your accessory is capable of delivering. Please take a few minutes to read through the instructions to identify the components and learn where and how they are used. It is a good idea to start by comparing the parts in your kit with the parts list below. Be sure to take all applicable safety precautions during the installation of this product.



<u>Parts List</u>	<u>Quantity</u>	<u>Tools Required</u>	
Predator Winch Bumper	1	• 19mm socket	• 10mm wrench
Ramsey Winch inc. Hardware	1	• 13mm socket	• 3/8" socket
Clutch Access Cover Plate	1	• 10mm socket	• Flat head driver
Skid Plate Spacer Tubes	2	• 19mm wrench	
Skid Plate Spacer Bolts	2	• 13mm wrench	
Zip Ties for Wiring	10		

INSTRUCTIONS

1. Remove factory brush guard and tow hooks with a 19mm socket.
2. Remove grille by removing the top two 10mm nuts and the middle two 10mm nuts located behind the second vertical grille bars from each side.
3. Remove black plastic inner grille support by removing the four 10mm bolts.
4. Remove upper plastic bumper by removing the two top plastic clips and the bottom two plastic clips. Carefully unclip the bumper and remove from vehicle. *Note: There are three clips on the top of each side of the upper bumper.*
5. Carefully unclip the a/c line clipped into the center support bar. Unclip the four push fasteners holding the plastic air duct in place. Carefully pull out plastic air duct
6. Unplug wire harness to daytime running lights. Remove the three 10mm bolts from inner upper bumper mounts, leaving the center two bolts in place. Remove the two plastic push fasteners located on each side of the bumper. Remove the five 10mm bolts



Step 1



Step 2



Step 3



Step 4



Step 5



connecting the upper plastic bumper to the lower steel bumper. Remove the outer two 10mm bolts connecting the plastic upper bumper to the steel bumper support mounts.

7. Remove four 13mm bolts from the sides of the steel bumper (two located on each side). Remove the upper two 13mm bolts. Remove the lower two 13mm bolts. Remove bumper.
8. Install fairlead to winch bumper. Tighten two bolts and nuts with supplied 3/8" hardware.
9. Install remote lead cable to bumper with supplied hardware. Tighten in place. Note: the cover will need to be removed from the winch electronics box and relocated to the end of the Remote Lead Cable. Also, the "t" on the end of lead will need to be slid through the front bumper and the "T" handles may not allow it to slide through. Cut off the plastic handles with a pair of diagonal cutters and slide through bumper.
10. Carefully set winch into bumper. Cut the band holding the winch cable in place. Slide cable through opening and install hook. *Note: Make sure cotter pin is bent tight to the T pin to avoid injury*
11. Install supplied mounts into base of winch. Align with holes and install supplied bolts through bumper and tighten to 80 ft. lbs.
12. Remove factory air box and air filter by unsnapping the lid, removing the three bolts on the base and removing the clamp on the intake tube.
13. Set Electronics box into the corner of the front fender, just in front of the air box. Check for air box clearance. Using template drill the three mounting holes and mount in place. Note: It may be necessary to remove the splash shield to access and tighten the bolts.
14. Route all the electrical cables down and through the hole located to the side of the radiator. Route the black lines down for step 16. Route the Red and Black power cables on the inside of the black molding just below and in front of the radiator and then up through the

Step 6



Step 7



Step 13



Step 14

alternate side hole towards fuse panel.

15. Reinstall winch bumper to truck and carefully hold in place.
16. Locate the two black leads from the electrical box and attach to the winch motor. Tighten.
17. Slide the winch bumper into place and install front four oem bots to align bumper. Install outer two bolts to corners of winch bumper. Tighten.
18. Route Winch Remote Lead up to black molding and along with the other winch cables back to the electrical box and plug into winch electrical box.
19. Reinstall air box and all associated hardware.
20. Route the Red and Black power cables up to the fuse/battery location. Remove Fuse cover and install the red cable to the second post. See Step 20-A image. Route the Black cable to the common vehicle ground located on the body of the vehicle just to the side of the battery. Tighten. See Step 20-B image.
21. Install oem clips to the top of winch bumper. *Note: In some cases the clips may need to be spread slightly to fit onto the thicker winch bumper. Also note: the second clip from the outside is no longer used.*
22. Reinstall inner plastic bumper with oem hardware. Connect the daytime running lights to the oem wire harness.
23. Reinstall outer plastic bumper with oem hardware. Use supplied bolts/nuts/washer to tighten bottom corners of upper plastic bumper to steel winch bumper.
24. Reinstall inner plastic grille with oem hardware
25. Reinstall outer grille with oem hardware
26. Remove front tow hook bumper bolts and reinstall with oem tow hooks and brush guard if equipped
27. Install cover plate over winch clutch access hole
28. Read the Ramsy operations manual for proper winch operations.



Step 17




Step 20-A



Step 20-B



Step 21



H3 Winch System Drill Template