



TRUCKBOSS Winch Installation Instructions

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These Instructions show how to install a TRUCKBOSS Winch Package with a TRUCKBOSS Deck.

Step 1: Winch Package Contents

Before you begin Installing your Winch System, be sure to go over the contents of your Winch Package to be sure that all the required components are there. A TRUCKBOSS Winch Package Includes the following (**See Photo 1**):

1. 1 Warrior C3500 XT Winch, Pre-Assembled on a TRUCKBOSS Winch Plate (Includes Mounting Hardware)
2. 1 Winch Contactor with Wireless Receiver Pre-Assembled on an Aluminum Mounting Plate (Includes Mounting Hardware)
3. 1 x 4ft. Twisted Eye Sling
4. 2 x 20' lengths of #6 AWG Wire complete with Ring Terminals (Battery Harness: Positive Red (Marked with Red Tape) and Negative Black)
5. 2 x 7.5' Lengths of #8 AWG Wire complete with Ring Terminals (Winch Primary Harness: Blue and Yellow)
6. 1 EWX Wireless Winch Remote / Auxiliary Remote
7. Snatch Block
8. Extra Handlebar Remote (not required for install)

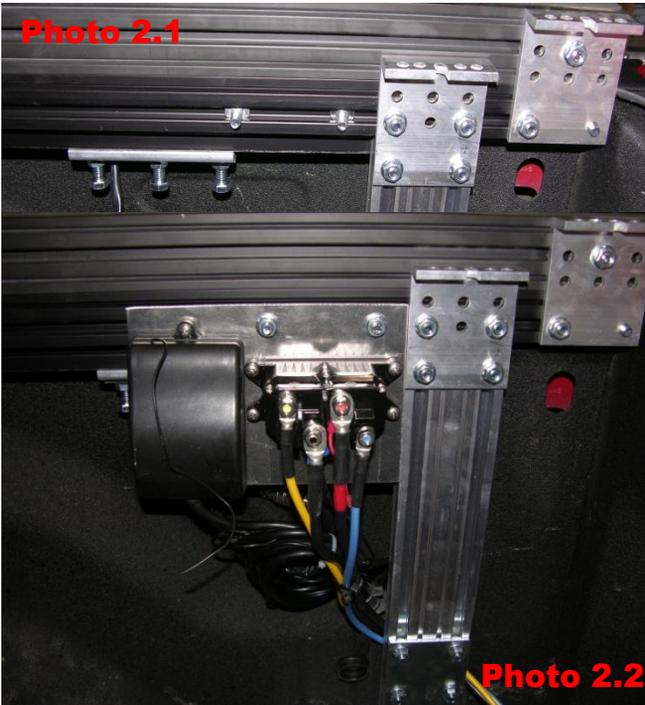


Photo 1



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Step 2: Mounting the Winch Contactor



Method A: Installing the Winch Contactor Prior to TRUCKBOSS Deck Surface Install

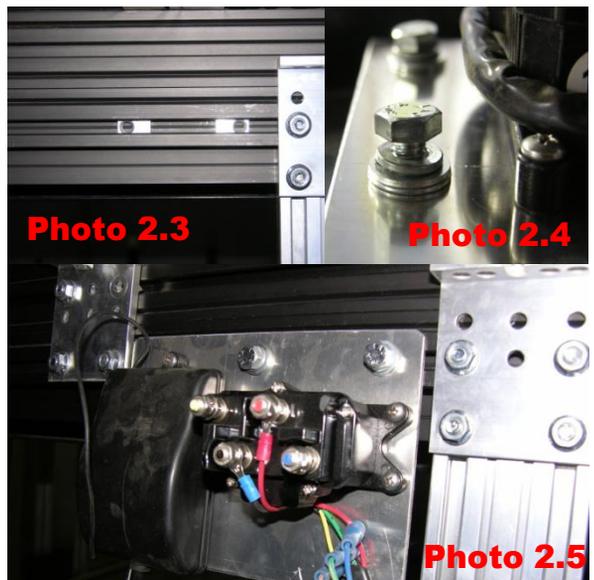
Hardware: Two - 5/16" x 3/4" Carriage Bolts and Two 5/16" Serrated Flange Nuts.

- Insert the two Carriage Bolts into the Lower Capture Channel at the front driver side corner (See **Photo 2.1**).
- Secure the Plate to the Rail Capture using the provided serrated flange nuts (See **Photo 2.2**).

Method B: Installing the Winch Contactor post-TRUCKBOSS Deck Surface Installation

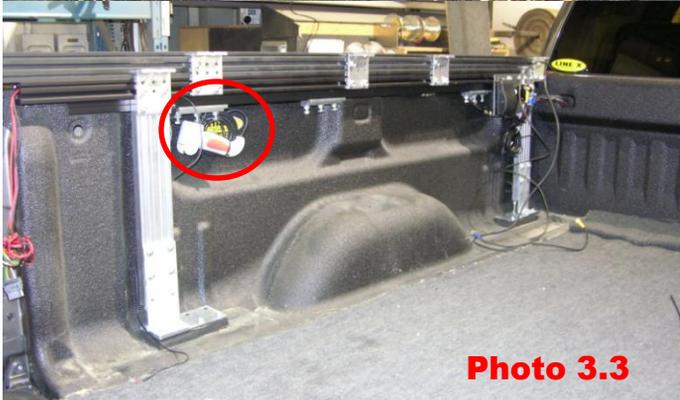
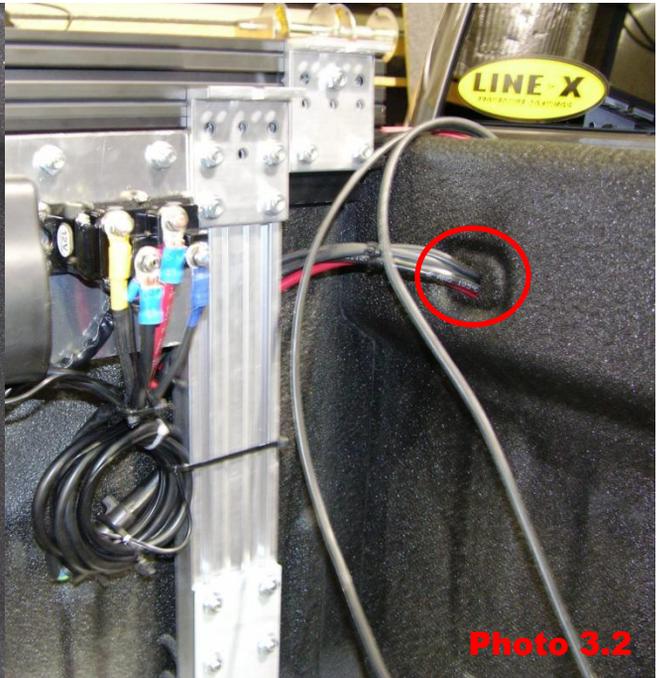
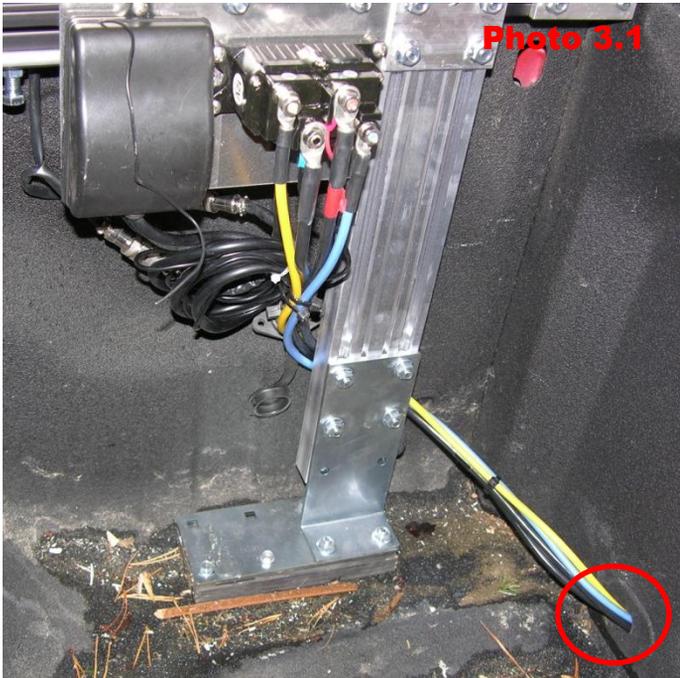
Hardware: Two Channel Insert Nuts, Two 5/16" x 1" Hex Head Bolts, Two 5/16" Lock Washers, and Four 5/16" Plate Washers.

- Insert the provided channel insert nuts into the lower capture channel at the front driver side corner (See **Photo 2.3**).
- Align the contactor plate holes with the insert nuts.
- Use the provided bolts with a lock washer and plate washer (See **Photo 2.4**) to secure the Contactor to the capture channel (See **Photo 2.5**).



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Step 3: Routing the Winch and Battery Cables



Now that the contactor is mounted, it is time to route the Winch and Battery Cables:

- Bolt the Cable Ring Terminals to their color matching posts on the contactor (**See Page 4 for Wiring Diagram**).
- Drill a $\frac{3}{4}$ " hole in one of the provided plastic inserts in the front bulkhead of the truck box (**See Red Circles in Photos 3.1, 3.2**).

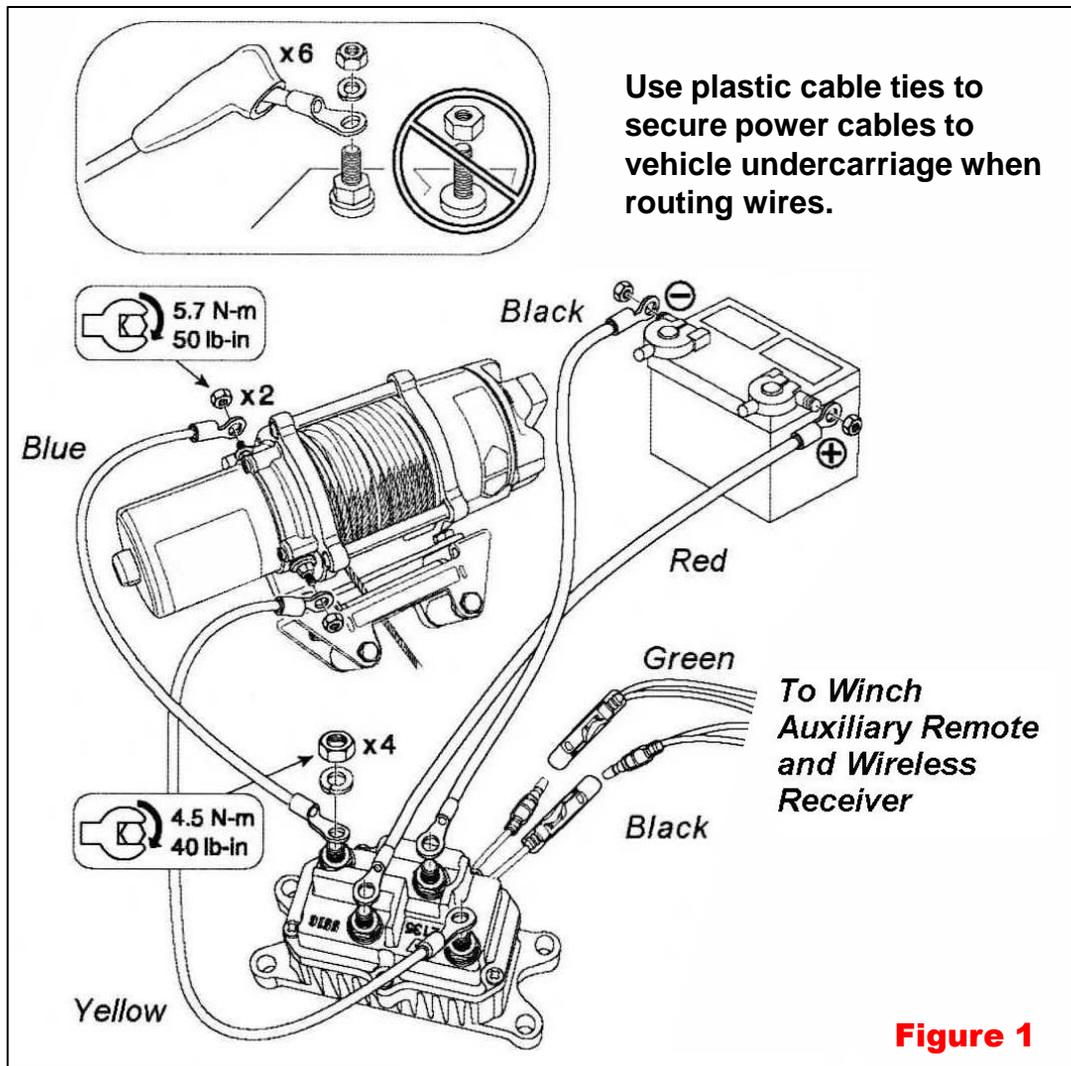
- Connect the Auxiliary Switch to the adapter located on the pre-assembled contactor plate, and secure it to the rear-most clamp with a plastic cable tie. (**See Red Circle in Photo 3.3**)

- Pull the excess Blue, Yellow, Black, and Red (marked with tape) cables through the hole. (Spray on Lubricant such as 3M Silicone Lubricant will help slide the cables through the drilled hole)

If your vehicle does not have a plastic insert, we suggest drilling a larger hole and using a plastic or rubber grommet to prevent damage to the Wire Casings.

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Step 3: Routing the Winch and Battery Cables



- **Always** remove jewelry and wear eye protection
- **Never** lean over battery while making connections
- **Always** verify area is clear of fuel lines, fuel tanks, brake lines, electrical wire, etc. when drilling
- **Never** route or secure electrical cables:
 - Across any sharp edges
 - Through or near moving parts
 - Near parts that become hot

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Step 4: Mounting the Winch to the TRUCKBOSS Deck Surface



Photo 4.1

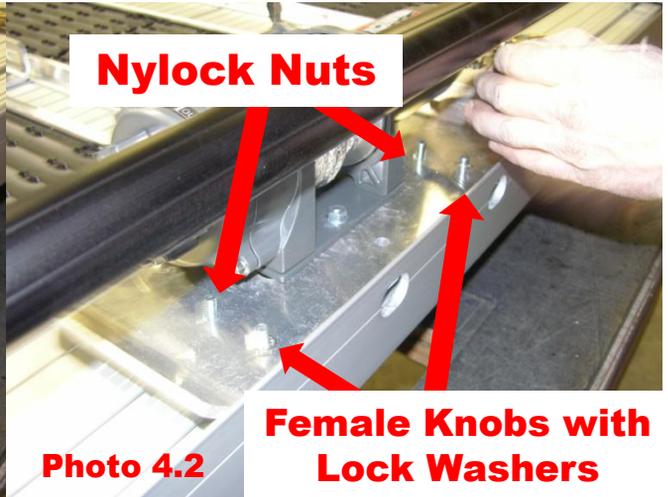


Photo 4.2

Nylock Nuts
Female Knobs with Lock Washers

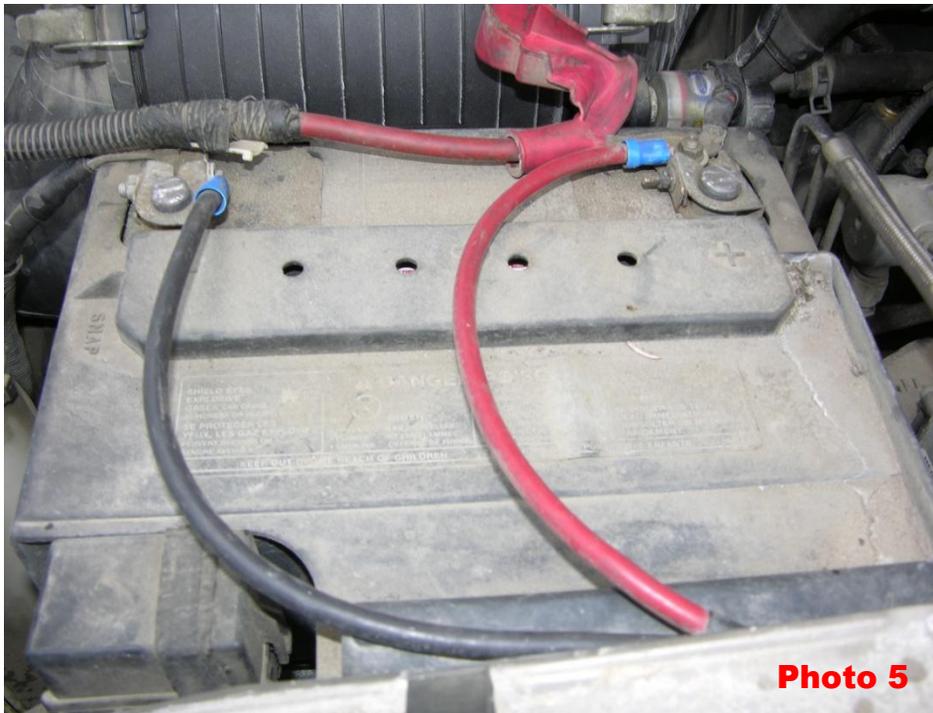


Photo 4.3

- For ease of Install: Temporarily remove the Cab Guard if already installed.
- Insert Four 5/16" x 2" Carriage Bolts into the front two Capture Channels located on the TRUCKBOSS (See Photo 4.1).
- Place the Winch Plate over top of the four bolts to allow the bolts through the pre-drilled holes in the Winch Plate (See Photo 4.2).
- Place one stainless steel internal tooth lock washer and one female knob on each of the two bolts located in the front-most capture channel (See Photo 4.2)
- Place a provided 5/16" Nylock nut on each of the two bolts located beneath the winch drum. Tighten the nuts until the winch plate cannot move, then back the nut off until the winch plate moves freely. This will ensure the Winch Plate has a minimal gap with the deck surface (See Photo 4.2).
- Connect the Blue and Yellow Winch Cables to the Winch (See Figure 1 on Page 4)

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Step 5: Connecting the Contactor to the Battery



- Pull the excess Cable up through the engine compartment.
 - Secure The Cable in place with plastic cable ties
 - Route the cables to their proper battery posts (**See Figure 1 on Page 4**)
 - Cut the Excess Cable if any.
 - Strip the Cable to expose $\frac{1}{2}$ " – $\frac{3}{4}$ " of copper, slide the provided Ring Terminals on the exposed ends and crimp them on.
 - Bolt the Ring terminals on using an auxiliary post on the Battery Post or the Battery Post Clamp Bolt. (**See Photo 5**)
- **Always** remove jewelry and wear eye protection
 - **Never** lean over battery while making connections
 - **Always** verify area is clear of fuel lines, fuel tanks, brake lines, electrical wire, etc. when drilling
 - **Never** route or secure electrical cables:
 - Across any sharp edges
 - Through or near moving parts
 - Near parts that become hot

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Step 6: Winch Loading



To ensure a safe and secure method of Winch Loading, ensure the following:

- The TRUCKBOSS mounted vehicle is running to avoid draining the battery
- The Winch has been centered on the vehicle you wish to load, and locked into place using the two knobs on the Winch Plate.
- The provided Twisted Eye Sling is secured in a 'Basket' orientation at a low point at the front of the vehicle so it will have minimal effect on the vehicle's suspension (Top of the A-Arms or the Frame on a Snowmobile, around the Transfer Case or Frame on an ATV or UTV) (See Photos 6.1, 6.2, 6.3, 6.4).
- The provided 'D Ring' on the Ramp has been inserted in the center of the fully telescoped ramp, to prevent the ramp from moving in on itself.
- Keep clear of the bottom of the Ramp; Stand to the side when operating the remote.
- Use the provided Snatch Block when loading larger loads to reduce wear on the winch.
- Winch Load on level ground.
- Do not allow the Winch Hook to contact the Aluminum Fairlead on the Winch.
- Check the Winch Rope for any serious frays prior to loading, replace if necessary.
- Allow the Winch to pull at the lowest angle possible.

TRUCKBOSS is not responsible for any injury or property damage sustained while operating a Winch System.