



OWNERS MANUAL & INSTALLATION INSTRUCTIONS



WWW.TRUCKBOSSUSA.COM
1-866-440-6800



TRUCKBOSS USE:

TRUCKBOSS is designed to provide safe, convenient, and solid transport platform for power-sport vehicles. Handling characteristics of your vehicle may be affected when operating near your vehicle's maximum payload. Be aware that a TRUCKBOSS Truck Deck loaded with power-sport vehicles will raise your vehicle's center-of-gravity; necessitating care during cornering, braking, and emergency maneuvers. Accelerated wear will occur to vehicle components when operating a vehicle at or near its maximum payload.

Normal Operating Conditions:

TRUCKBOSS has been tested and rated at 2000lbs under Normal Operating Conditions. 2000lbs load rating applies to TRUCKBOSS Truck Deck only, follow your vehicle manufacturer's specifications for payload ratings.

Normal Operating Conditions are defined as:

- Evenly distributed loads that do not exceed the GVWR of your vehicle.
- Transportation of ATV's (or equivalent loads) for personal recreational purposes from your home/storage to a riding zone.
- Travelling on highways/roads conducive to normal vehicular traffic.

If you exceed normal operating conditions you may be a Heavy Duty User.

Heavy Duty User:

You are a Heavy Duty Deck user if any of the following categories apply:

- You are a Commercial User
- You frequently drive on unpaved roads and uneven roads.
- You drive in conditions where a high-clearance vehicle is recommended (non-graded or unmaintained roads).

Heavy Duty Users should apply caution when operating in rough terrain and slow down accordingly.

As with any aftermarket accessory or OEM part, accelerated wear of vehicle components (including the truck box) will occur. In Normal Operating Conditions this wear will be minimized. In Heavy Duty Operating Conditions wear on vehicle components will be further accelerated. Heavy Duty Users may choose to install the optional RF Bracket to help limit the wear on truck components. The TRUCKBOSS RF Bracket is designed to prevent independent flexing of the side and front bulkhead panels on the modern truck bed.



WARRANTY:

TRUCKBOSS USA provides a 1 year limited warrantee to the original retail purchaser of a TRUCKBOSS product. This warranty cannot be transferred. This warrantee is subject to the following terms and conditions:

WARRANTY CONDITIONS

TRUCKBOSS USA warrants that TRUCKBOSS manufactured products and accessories will be free from manufacturing and material defects for a period of 2 years following the original retail purchase date. This warrantee does not cover slight variations in factory applied anodizing, abrasion due to loading/unloading cargo on a TRUCKBOSS deck, UV/chemical degradation of finished surfaces or plastic components, or normal wear and tear from use. Some plastic components are designed as wear surfaces and as such will be consumed in the normal use of this product. These consumable items can be purchased through an authorized TRUCKBOSS USA dealer or ordered directly from TRUCKBOSS USA.

TRUCKBOSS USA warrants that TRUCKBOSS deck will be free from structural defects for a period of two years from the date of purchase. This two year warrantee covers only the structural components of a TRUCKBOSS deck and does not cover hardware, electrical components, plastic caps/brackets, wear surfaces, or installation. This warrantee does not apply if structural damage is caused by overloading the deck surface in excess of the stated load capacity of the TRUCKBOSS deck or the manufacturer stated load capacity of the truck to which the TRUCKBOSS deck is mounted.

TRUCKBOSS USA makes no claims or warranties whatsoever to a particular vehicle's ability to support rail mounted accessories without incurring damage. TRUCKBOSS USA is not responsible for increased wear or failure of vehicle components when operated with a TRUCKBOSS Deck System. The load capacity of the deck applies to the TRUCKBOSS deck only; see vehicle manufacturer's specifications for rail mounted accessories.

OWNER RESPONSIBILITIES

Incidental or consequential damage or loss of cargo or profit due to use, neglect, lack of maintenance, misuse, or abuse of the TRUCKBOSS deck is the sole responsibility of the user and excluded from any warrantee remedy. When using a TRUCKBOSS deck the extendable sides must be locked in position. All cargo should be secured to the deck surface in accordance to applicable Federal, Provincial, or State laws. All clamps and fasteners should be checked prior to each use.

WARRANTY CLAIMS

In the event of a warranted product failure a claim may be made to TRUCKBOSS USA and a representative of the company will inspect the product. If a manufacturing, material, or structural defect is determined to exist TRUCKBOSS USA will, at its discretion, provide the exclusive remedy of repair or replacement of the defective component. TRUCKBOSS USA is not responsible for any transportation costs associated with a warrantee claim.

This warrantee shall be considered void if the product is shown to have been abnormally used, misused, not maintained, or altered in any way. There is no implied warranty of merchantability or implied warranty of fitness for any particular purpose. Any such warranties are disclaimed. This written warrantee is the only warranty applicable to TRUCKBOSS products and may not be changed in any way without written authorization from an officer of TRUCKBOSS USA.

TRUCKBOSS MAINTENANCE:

Regular maintenance of the TRUCKBOSS System will ensure that it will last for years without having to replace components.

If a new part or accessory need to be purchased, please contact your local TRUCKBOSS Dealer or contact TRUCKBOSS USA directly by phoning 866 440 6800 or by email sales@truckbossusa.com.

General Tips

- Keep knob threads coated with anti-seize compounds such as Copper-Kote or Marine Grease (same applies to Winch Plate Knobs and Flip Extension Knobs)
- To better protect against corrosion, coat electrical connections with anti corrosive zinc paste
- Carry a ½" socket or open end wrench in your vehicle for moving D-Rings or tightening hardware
- When moving TRUCKBOSS Decks to different vehicles, some components may need to be replaced.
- Contact sales@truckbossusa.com for deck removal instructions.
- Please review your install guide or the TRUCKBOSS Installation Videos before installing a TRUCKBOSS on a new vehicle.

Expandable Sides

The Adjustable Side Stop, or flute, can be locked out at 3" intervals for different load widths. Locating the holes in the flute is much easier when the flute is marked where/when the adjustable side knob lines up with a hole in the flute.



If your TRUCKBOSS Side has been cleaned but is still difficult to operate, this may indicate that the side needs to be adjusted. Use the following guide (or see step 3.2.13) to adjust difficult sides. If the issue persists please contact TRUCKBOSS technical support.



INSTALLATION INSTRUCTIONS

STEP #1

RAILS

Tools Required:

- ½ inch wrench/ratchet (cordless drill with ½" socket will speed installation)
- 9/16" socket wrench
- 3/8" socket
- Tape Measure
- 1/8" shim (optional)

Video:

To assist in the installation process, we recommend watching the TRUCKBOSS installation videos found at www.truckbossusa.com

1.1 Install RF Bracket – (Optional) - Remove the RF Bracket Box, installation instructions for the RF Bracket are included in Appendix 1. RF Brackets have been designed to reduce the wear on your truck box and will help prevent truck box failure. See page 2 of this booklet – TRUCKBOSS use.

1.2 Installation of Driver Side Rail. For this step you will need box 10A , which includes a preassembled rail with wiring. For the passenger side you will require box 10B.

1.2.1 TRUCKBOSS 6 and TRUCKBOSS 8 - the rails are ready to install. Go to step 1.4 (Note: 2006 and older Dodge trucks will require the rail capture to be trimmed, please call for details)

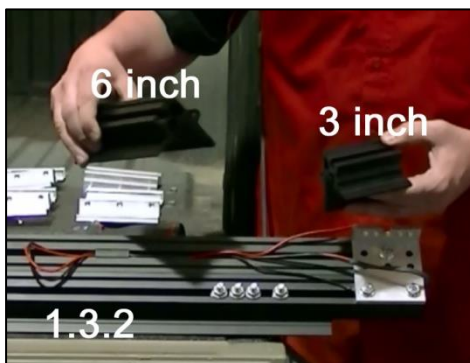
TRUCKBOSS 7 - Rails will need to be adjusted for Chevrolet, GMC, Ford F150, Ford Superduty and Toyota. If the Rails require adjustment go to step 1.3 if the rails do not require adjustment go to Step 1.4.

1.3 Rail Adjustment:

1.3.1 Remove the preassembled rail from Box 10A or 10B, lay the rail across the tailgate of the truck as per figure 1.3.1.



1.3.2 To adjust the preassembled rail, to the length of your truck box, take out a 3 inch or a 6 inch rail capture piece from box 6 (see figure 1. 3.2). **The 3 inch rail capture will be required if you have a Chevrolet, GMC, Ford F150, or Toyota. The 6 inch rail capture will be required if you have a Ford Superduty 250 or 350.**



1.3.3 To begin adjustment, take the wiring off at the front of the rail and let it hang off to the side as per figure 1.3.3.



1.3 Rail Adjustment: (Continued)

1.3.4 Loosen bottom hardware on all of the Rail Angle Brackets (do not remove nuts) see figure 1.3.4, this is done to move the rail capture back to accommodate the 6 or 3 inch Rail Capture piece. The top nuts do not need to be loosened as they hold the rail brackets in a predetermined position.



1.3.5 Slide the Rail Capture towards the rear to accommodate the Rail Capture install piece (either 3 or 6 inch). Feed the Front wiring through the Rail Capture Install Piece prior to attaching it to the preassembled rail. Slide the Rail Capture and Rail Capture Install Piece until they are butted together and the end is flush with the front of the Rail. Tighten the previously loosened hardware on the bottom of the Rail Angle Brackets. (see figure 1.3.5)



1.4 Attach Rail Capture Hold Downs - Slide three Rail Capture Hold Down Clamps onto each assembled rail and position them loosely in the middle as per figure 1.4.1. In the case of a TRUCKBOSS 8 (mounted on an 8' Box) 4 Clamps will be slid onto each assembled rail.



1.5 Attach Rail Assembly to Truck - In this step you will be placing the assembled rail on the driver side of the truck box.

1.5.1 You will require 3 'F' Channels from box 6 as per figure 1.5.1. **Note: when installing f channels on an F150 or a Toyota box, the rubber pad on the f channel will need to be trimmed as per figure 1.5.2.**



1.5.2 When installing a preassembled rail on the driver or passenger side of the truck box, a 1/8" gap needs to be maintained between the front of the rail and the inside of the front bulkhead (as per figure 1.5.3). This gap can be made by measuring and marking the truck box or by using a 1/8" shim to maintain the gap (recommended).

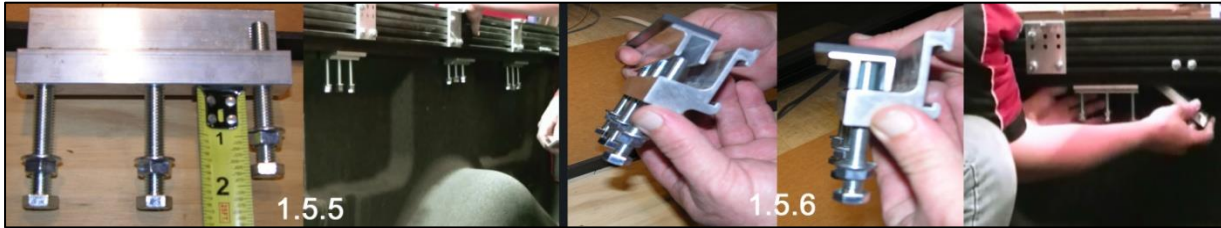


1.5.3 Lift the preassembled rail on the driver side bed rail, position the rail so the front is 1/8" from the front bulkhead as per figure 1.5.3. Position the rail clamps so one is in the middle of the truck box (or as close as possible) and the other two are near either end of the pre-assembled rail (final positioning will be explained further on in the instructions) as per figure 1.5.4. In the case of a TRUCKBOSS 8 on a long box, two clamps will be moved to either end and two will be considered the middle clamps, which should be spaced evenly to make up the difference.



1.5 Attach Rail Assembly to Truck – (Continued)

- 1.5.4** Once the clamps are in position, hand tighten the bolts on the middle clamp until approximately 1 $\frac{3}{4}$ " of bolt is still exposed as per figure 1.5.5. Once the three bolts have been hand tightened, slide the F Channel over the top of the bolts as per figure 1.5.6. The rail assembly must be on the truck when this step is performed. Once the F channel is placed and the clamp is positioned in the middle, hand tighten the clamp until it is secured against the bed rail. **Note: check 1/8" gap at the front of the rail.**



- 1.6 Leg Assembly and Installation** – For steps 1.6 and 1.7 you will require the following components, all of which are found in Box 6: 4 Self Tapping Screws, 2 (5/16" x $\frac{3}{4}$ " Carriage Bolts), 2 5/16" Serrated Flange Nuts, 2 Leg Base Plates, and 2 Leg Assemblies as per figure 1.6.1.

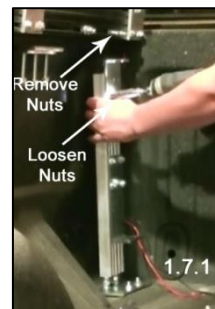


- 1.6.1** Insert the Leg Base Plate Rods into the leg assembly as per figure 1.6.2.



1.7 Install Front Leg: If installing on a Ford Superduty 6.5' Box, a 2015 or later Ford F-150, or any truck with a 5.5' Box skip this step and step 1.8, front legs will be installed further on in the install (Step 2.9) .

1.7.1 Remove the two forward most serrated flange nuts from the provided Bolts in the Rail Capture (Note: The passenger side Rail only has two Bolts, remove the serrated flange nuts for leg install). Loosen, but do not remove, the rail angle bracket located at the top of the leg assembly as per figure 1.7.1.



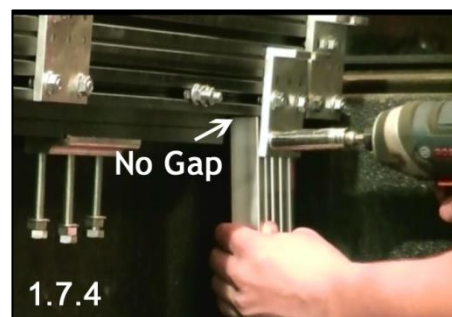
1.7.2 Position the front leg under the Rail Capture and as far forward as possible in the truck box. When the leg is in position, slide the Rail Angle Bracket up such that it is aligned with the Rail and Rail Capture bolts as per figure 1.7.2.



1.7.3 Put the provided Serrated Flange nuts on the bolts mounted on the Rail Angle Bracket as per figure 1.7.3.

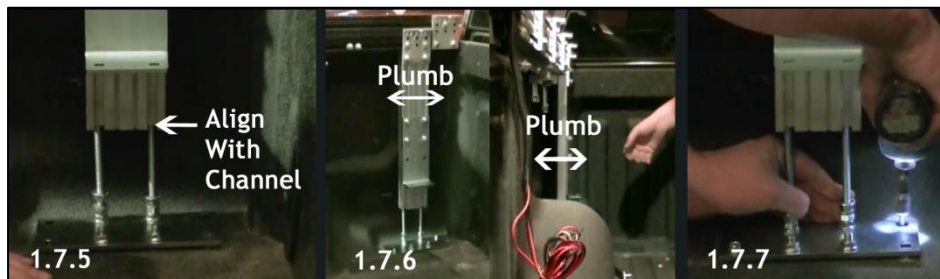


1.7.4 Put upward pressure on the leg assembly to remove the gap between the top of the leg and the underside of the rail capture, when gap is removed, secure all four serrated flange nuts as per figure 1.7.4.



1.7 Install Front Leg (Continued)

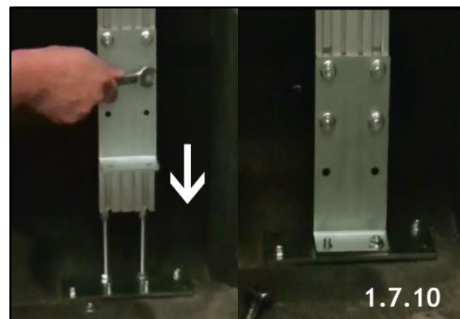
- 1.7.5** Install the Leg Base Plate onto the tel leg. Position the Leg Base Plate so the two 6" Bolts are lined up with the channels located on the leg assembly as per figure 1.7.5, also ensure that the leg is plumb as per figure 1.7.6



- 1.7.6** Next we will pretension the leg. Thread the two provided serrated flange nuts (located on the leg base bolts) up to the underside of the leg assembly as per figure 1.7.8 and 1.7.9. Using a ½" wrench, tighten the serrated flange nuts under the leg assembly until the tel leg is firm and cannot be moved by hand.



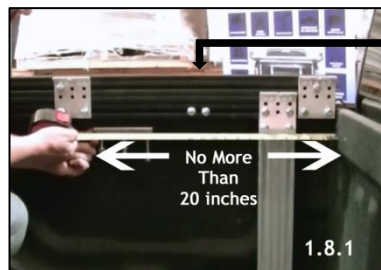
- 1.7.7** Once the leg has been adjusted to the correct height, thread the two nuts located under the serrated flange nuts until the lock washer is engaged, this will ensure the adjustment will not slip.
- 1.7.8** Remove the two serrated flange nuts located on the leg base plate. Loosen the leg angle bracket, slide the leg angle bracket down and secure with the two serrated flange nuts and tighten the four nuts located on the leg assembly as per figure 1.7.10.



- 1.7.9** If a Winch Contactor plate is not being installed, tighten remaining nuts on Rail Capture. (see figure 1.8.1) If a Winch contactor plate is being installed see Appendix C – Steps C1-C3

1.8 Secure Front Clamp: Now that the leg has been installed, the front clamp can be permanently installed.)

- 1.8.1** Move the front clamp so that it is located close but not farther than 20" from the inside of the front bulkhead of the truck box as per figure 1.8.1.

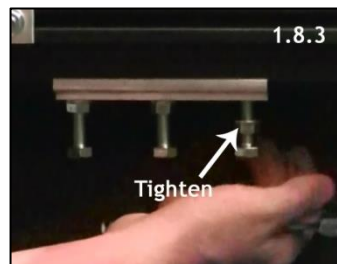


From Step 1.7.9, tighten nuts on the two spare bolts for winch contactor plate

- 1.8.2** Adjust clamp and insert 'f' channel as per step 1.5.4. (**note: some truck rail caps have plastic protrusions that may interfere with the f channel placement, trim the plastic to make fit, if not possible, move the clamp to a position where the plastic does not interfere**).
- 1.8.3** Using a 9/16" wrench, evenly tighten the three bolts until snug as per figure 1.8.2 (**note: do not over tighten bolts as bed rail damage may result**).

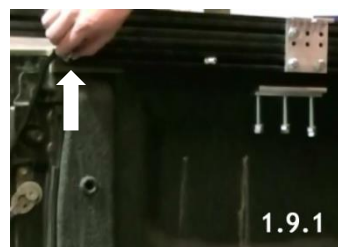


- 1.8.4** As per figure 1.8.3. The clamp is now installed.



1.9 Installing the Rear Leg:

- 1.9.1** Add two 5/16" x 3/4" carriage bolts to the rear Rail Capture as per figure 1.9.1.



- 1.9.2** Position the leg so it is as close to the rear column of the truck box as possible while remaining plumb as per figure 1.9.2. Note: The rear leg cannot farther than 20" from the rear column of the truck box.



1.9 Installing the Rear Leg: (Continued)

1.9.3 Loosen, but do not remove, the rail angle bracket located at the top of the leg assembly; when the leg is in position, slide the Rail Angle Bracket up such that it is aligned with the Rail and Rail Capture bolts as per figure 1.9.3.



1.9.4 Put the provided Serrated Flange nuts on the bolts mounted on the Rail Angle Bracket as per figure 1.9.4.



1.9.5 Put upward pressure on the leg assembly to remove the gap between the top of the leg and the underside of the rail capture, when gap is removed, secure all four serrated flange nuts as per figure 1.9.5.



1.9.6 Next secure the Leg Base Plate to the bed of the truck. Position the Leg Base Plate so the two 6" Bolts are lined up with the channels located on the leg assembly as per figure 1.9.6, also ensure that the leg is plumb.

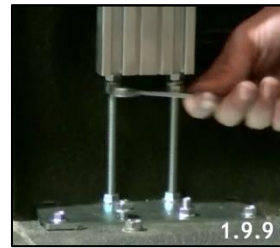


1.9.7 Next we will pretension the leg. Thread the two provided serrated flange nuts (located on the leg base bolts) up to the underside of the leg assembly. Using a ½" wrench, tighten the serrated flange nuts under the leg assembly until the leg is firm and cannot be moved by hand.



1.9 Installing the Rear Leg: (Continued)

1.9.8 Once the leg has been adjusted to the correct height, thread the two nuts located under the serrated flange nuts until the lock washer is engaged as per figure 1.9.9, this will ensure the adjustment will not slip.



1.9.9 Remove the two serrated flange nuts located on the leg base plate. Loosen the leg angle bracket, slide the leg angle bracket down and secure with the two serrated flange nuts and tighten the four nuts located on the leg assembly as per figure 1.9.10.



1.10 Tighten Rear Clamp:

1.10.1 Position clamp so that it is 12" to no more than 16" to the end of the clamp from the inside of the rear column as per figure 1.10.1.

1.10.2 Adjust clamp and insert 'f' channel as per step 1.8.3. (**note: some truck rail caps have plastic protrusions that may interfere with the f channel placement, trim the plastic to make fit, if not possible, move the clamp to a position where the plastic does not interfere**).



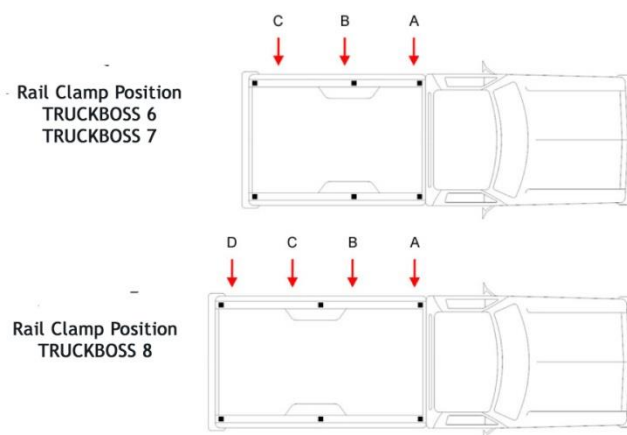
1.10.2 Using a 9/16" wrench, evenly tighten the three bolts until snug as per figure 1.8.4 (**note: do not overtighten bolts as bed rail damage may result**). Once the bolts have been evenly tightened, take the lock nuts (located below the clamp) and tighten them against the clamp. The rear clamp is now installed.

1.11 Tighten Middle Clamp(s):)

- 1.11.1** Loosen the hand tightened rail clamp from step 1 and position it between the other two installed clamps as per figure 1.11.1.



- 1.11.2** In the case of a long box: loosen and position the two middle clamps until they are evenly spaced in between the front and rear clamps. See Figure 1.11.2.



- 1.11.3** Adjust and tighten clamp(s) using the same method as step 1.10.

- 1.12** For Passenger Side Rail and Leg Installation follow steps 1.2 - 1.11

- 1.13** Both sets of rails and legs are now installed on the truck box. You have now completed approximately half of the TRUCKBOSS Deck installation, This process should take approximately 1 hour

INSTALLATION INSTRUCTIONS

STEP #2 SURFACE

Tools Required:

- ½ inch socket wrench (cordless drill with ½" socket will speed installation)
- 3/8" socket
- #2 Phillips Screwdriver
- Tape Measure
- Wood Dowel (provided in Box 5)

Video:

To assist in the installation process, we recommend watching the TRUCKBOSS installation videos found at www.truckbossusa.com

2.1 Install Front Surface Module

2.1.1 Go to Box 5 which has the front and center modules for the surface. The module that is on top is the center module. The center module has three deck planks and one intermediate. See Figure 2.1.1. This will be the second module installed on the surface of the deck. Put it off to the side.



2.1.2 Next in Box 5 is the front module which will be installed first. The front module has a toe kick, two intermediates, three deck planks. See Figure 2.1.2.



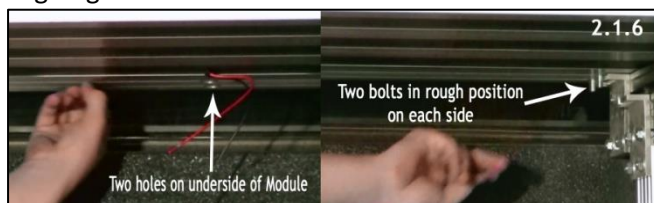
2.1.3 Within the front module deck planks is the front wiring harness for the sides, along with the front bulk head seal. Remove the front bulk head seal as it will be installed later. See figure 2.1.3. Note: Remove wooden dowel and keep to the side until its use in Step 2.7.2)



2.1.4 Lift the front module on to the truck. (Note: Modules are approximately 50 pounds each). To position the front module make sure that the front bulkhead receiver gap is open just on the outside part of the rail on both sides. See Figure 2.1.4. Next the front module must be centered. This is done by measuring the outside of the rail to the outside of the deck planks on both sides to make sure that the panel is centered. See Figure 2.1.5



2.1.5 The front module will now be secured to the rails. Go to Box 6 and get 4 - 5/16" by 3/4 inch carriage bolts, and 4 - 5/16" serrated flange nuts. There are two holes that are located underneath the surface at the center. Insert 2 bolts into each hole, one going to each side. Each side should now have two bolts in rough position. See Figure 2.1.6.



2.1 Install Front Surface Module (Continued)

- 2.1.6** Next gently lift the module just to move these two bolts into position on each side. Loosely put the serrated flange nuts on. See Figure 2.1.7



- 2.1.7** Recheck that the front module is centered and positioned correctly as per step

- 2.1.8** Once completed tighten down the serrated flange nuts on both sides

2.2 Important: If you did not install the front legs in step 1.7 go to step 2.9 to 2.10 before proceeding to step 2.3

2.3 Install Center Module:

- 2.3.1** Remove 2 - 5/16" x 3/4 inch carriage bolts, and 2 - 5/16" serrated flange nuts from Box 6.

- 2.3.2** Lift the center module onto the rails with the intermediate facing the front module. The profile of the intermediate will interlock with the last plank of the first module. Lift up the center module so the first claw will go into the center then down. This is best achieved by lifting from the center of the module and dropping it in. Make sure it is flush on both ends, pat it down and secure underneath. See figure 2.3.1

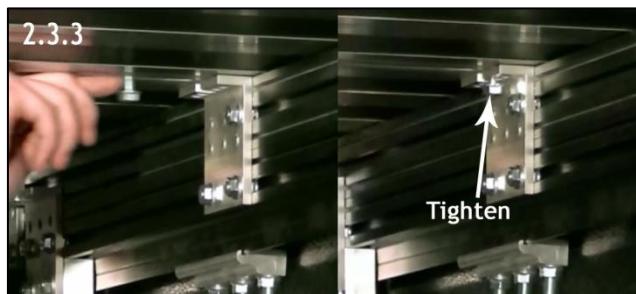


- 2.3.3** Check the underside of the center module to see if the center channel on rail angle bracket is aligned with channel on the intermediate of the module on both sides. If it does not line up with the channel, loosen the three bolts on the rail angle brackets on each side and position them so that the two channels align; retighten the rail angle bracket. See Figure 2.3.2



2.3 Install Center Module:

- 2.3.4** Spin the serrated flange nut on about 1.5 to 2 threads on to each carriage bolt. Insert the carriage bolts into the hole in the center of the intermediate, one to each side. Slide each bolt into the rail angle bracket and tighten them up. See Figure 2.3.3



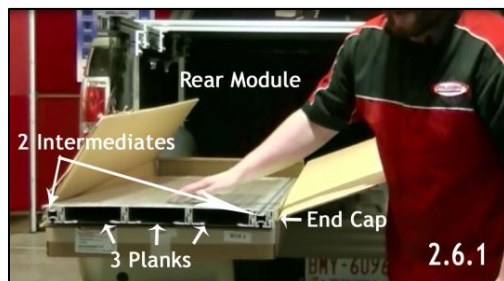
- 2.4 TRUCKBOSS 8 – Additional Center Module Install** – If installing a TRUCKBOSS 8 go to box 3 (contains an additional center module). Install this module as per step 2.3. If installing a TRUCKBOSS 7 or a TRUCKBOSS 6 go to step 2.5.

2.5 Install Final center Module

- 2.5.1** Remove the center module from Box 4.
- 2.5.2** Install this center module as per step 2.3.

2.6 Install Rear Module

- 2.6.1 Remove the rear module from Box 4 (Box 16 for TRUCKBOSS 6).** The rear module has two intermediates, an end cap, as well as three surface planks. See Figure 2.6.1 (Box 16 rear module has two intermediates, an end cap, as well as one surface plank)



- 2.6.2** Remove the rear flapper gate from the center of the rear deck module. The flapper gate will be installed in Step 4. See Figure 2.6.2



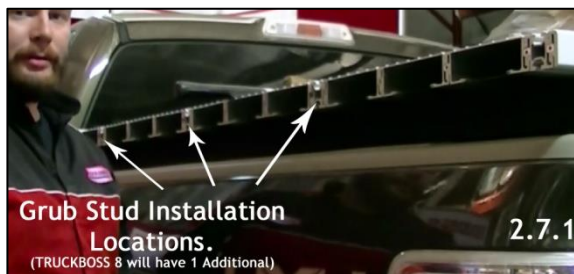
- 2.6.3** Place the rear module on the truck with the End Cap facing the rear of the truck. Install this module as per step 2.3.

2.7 Grub Stud Installation

- 2.7.1** From Box 6 remove a small plastic bag, containing 4 - 3/8" white plastic grub studs. The grub studs will be inserted into the intermediates. Four will be required for a TRUCKBOSS 8, while only three are needed for a TRUCKBOSS 7 or a TRUCKBOSS 6. Remove the wooden dowel from Box 5.

2.7 Grub Stud Installation (Continued)

- 2.7.2** Grub studs will be installed in the space where each of the modules are joined. See figure 2.7.1



- 2.7.3** To install each of the Grub Studs place them in the space between modules by hand. Tap the stud in with a hammer until it is flush with the deck. Use a screwdriver the push the stud in further. Then use the provided wooden dowel to push the stud in until it located close to the center of the deck. See figure 2.7.2



2.8 Deck Surface Is Now Installed.

- 2.9 Front Leg Installation** – The following steps only need to be performed if the front legs were not installed in Step 1.7. **If you installed the legs in Step 1.7 proceed to step 3.**

- 2.9.1** When installing rails and legs, some truck boxes have a different leg orientation in the front due to obstructions or available room. In such cases the legs install parallel with the front bulkhead. This is true for Ford Super Duty 6.5' Bed, for an F150 5.5' Bed, for a Raptor 5.5' Bed, any 2015 or later Ford F-150 and for a Toyota Crew Max 5.5' Bed. Note: For the F150/Raptor and the Toyota, the front legs will be a slightly different length because they need to be longer for the deeper box size.
- 2.9.2** Before starting this step, the rails have been mounted, the center and rear clamps have been tightened, the rear legs have been installed and the front module has been installed. The front-most clamps are still loose. See Figure 2.9.1



2.9 Front Leg Installation – (Continued)

2.9.3 Installing the passenger side leg. The first step is adjusting the front leg assembly. To properly adjust it, take the rail angle bracket and push it down until the bottom ridge of rail angle bracket is flush against the top of the leg assembly. Tighten down the hardware. See figure 2.9.2. (Note: This step prevents slippage in the leg)



2.9.4 Remove 2 - 5/16" carriage bolts and 2 - 5/16" serrated flange nuts from Box 6. Place 2 carriage bolts into the 2nd channel from the front of the module and slide them to the passenger side. See Figure 2.9.3



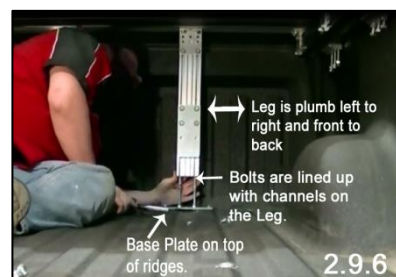
2.9.5 Insert the Leg Base Plate Rods into the leg assembly as per figure 2.9.4



2.9.6 Position the leg underneath and push it up so the two bolts are engaged and loosely fit the serrated flange nuts. Position the leg so that the outside of the leg is no more than 25 inches from the center of the truck box. See Figure 2.9.5.



2.9.7 Move the Leg Base Plate so the two 6" Bolts are lined up with the channels located on the leg assembly as, also ensure that the leg is plumb in both directions. Note: It is better if the base plate sits on top of the ridges in the truck box. See Figure 2.9.6

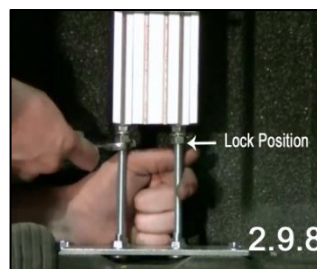
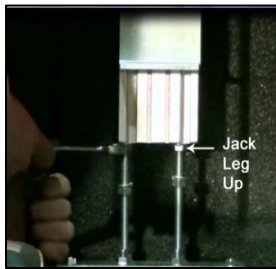


2.9 Front Leg Installation – (Continued)

2.9.8 Ensure the leg remains plumb and that the two 6" Bolts are lined up with the channels, then secure the leg to the front module. See Figure 2.9.7



2.9.9 Next we will pretension the leg. Thread the two provided serrated flange nuts (located on the leg base bolts) up to the underside of the leg assembly. Using a ½" wrench, tighten the serrated flange nuts under the leg assembly until the leg is firm and cannot be moved by hand.



2.9.10 Remove the two serrated flange nuts located on the leg base plate. Loosen the leg angle bracket, slide the leg angle bracket down and secure with the two serrated flange nuts and tighten the four nuts located on the leg assembly as per figure 2.9.9.



2.9.11 The last step in installing the two front legs in this orientation is to tighten down the front rail clamps. This can be done by spacing the rail clamp approximately 20" from the front bulkhead to the outside of the clamp. Place the F-channel in at the top and tighten to a snug fit. Pressure should be even on all three bolts. Once the bolts have been evenly tightened, take the lock nuts (located below the clamp) and tighten them against the clamp. See Step 1.8 for full details.

2.10 Repeat Step 2.9 for the driver side leg.

INSTALLATION INSTRUCTIONS

STEP #3 SIDES

Tools Required:

- ½ inch socket wrench (cordless drill with ½" socket will speed installation)
- #2 Robertson Stubby Screwdriver (square head)
- Tape Measure

Video:

To assist in the installation process, we recommend watching the TRUCKBOSS installation videos found at www.truckbossusa.com

3.0 Install TRUCKBOSS Sides – TRUCKBOSS features two types of sides depending on the model that was purchased.

First is the **TRUCKBOSS Base Deck** which features non-expandable sides. If this is the model being installed go to **Step 3.1**.

The second and most popular is the **TRUCKBOSS with expandable sides**. If this is the model being installed go to **Step 3.2**.

3.1 TRUCKBOSS Base Deck Side Installation

3.1.1 Go to Box 13 for a TRUCKBOSS Base 6, Box 12 for a TRUCKBOSS Base 7 or Box 11 for a TRUCKBOSS Base 8. This box contains the sides and hardware required for this step.

3.1.2 **Note:** If any of the following were purchased, it is recommended that D-Rings, Super Clamp D Rings, and the Base Carbide Kit are installed before proceeding to step 3.1.3. If installing a winch complete step C4 in Appendix C before proceeding to step 3.1.3. If installing a Carbide Kit see Appendix D

3.1.3 For first side on a TRUCKBOSS Base 7, the following is required: 10 carriage bolts, 10 serrated flange nuts, and 5 base plates for the side. (Note: There will be extra parts for a TRUCKBOSS Base 8 Install) See Figure 3.1.1.



3.1.4 A Base Plate will be installed below each intermediate on the deck. Place a Base Plate on the deck surface above each intermediate. See Figure 3.1.2.



3.1.5 Slide one carriage bolt into the underside of each of the capture channels. See Figure 3.1.3.



3.1.6 Loosely fit the base plates onto the underside of each intermediate with a serrated flange nut. See Figure 3.1.4.



Note: If a Carbide Kit / D-Rings were purchased with the deck, add the necessary hardware to the deck surface before proceeding to 3.1.7

3.1 TRUCKBOSS Base Deck Side Installation (Continued)

- 3.1.7** Insert five 5/16 carriage bolts into the bottom of the base 7 side. Move the side into position on the deck. Align one bolt with each base plate. Loosely secure the bolts with the serrated flange nut provided. See Figure 3.1.5



- 3.1.8** Positioning the side - Take the rear end cap and insert it into the extrusion on the side. Align the side such that it's flush with the end of the ramp bar rail. See Figure 3.1.6.



- 3.1.9** Move the base plates so they are square to the side, push the side in as much as possible, and then tighten the hardware. This is done on every base plate. See Figure 3.1.7.

Phillips
Head
Screw



- 3.1.10** Insert the plastic end caps into place and taking one Phillip's head screw, which is provided, lining it up with the Screw Boss inside, and tighten.

- 3.1.11** The base side(s) are installed, proceed to Step 4.

3.2 TRUCKBOSS Expandable Sides Installation

- 3.2.1** Go to Box 14 for a TRUCKBOSS 6, Box 9 for a TRUCKBOSS 7 or Box 1 for a TRUCKBOSS 8. This box contains the sides and hardware required for this step.

- 3.2.2** Note: If any of the following were purchased, it is recommended that D-Rings, Super Clamp D Rings, and the Base Carbide Kit are installed before proceeding to step 3.1.3. If installing a winch complete step C4 in Appendix C before proceeding to step 3.2.3. . If installing a Carbide Kit see Appendix D

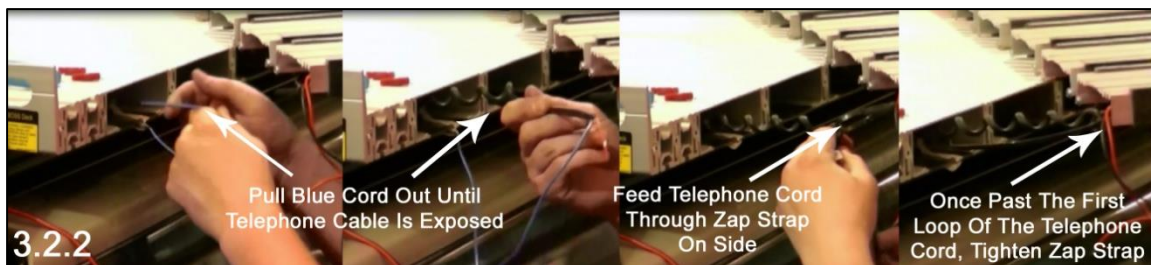
3.2 TRUCKBOSS Expandable Sides Installation (Continued)

- 3.2.3** Drivers Side - Lift the side into place as per figure 3.2.1. The side is placed at an angle for easy access to the wiring.



3.2.1

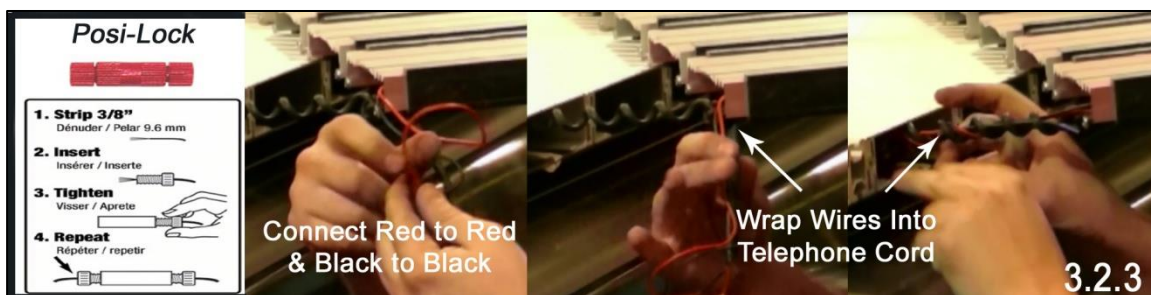
- 3.2.4** Pull out the blue cord from the center of the first deck plank. It is attached to a telephone cord which contains the deck wiring. Feed the wires (telephone cord) through a cable tie located on the side, until the first loop is through. Secure the wires by pulling the cable tie tight. See figure 3.2.2.



3.2.2

- 3.2.5** Trim excess cable tie and blue cord.

- 3.2.6** Wiring - The ends of the wiring have already been stripped on both sides. Using two Posi-Locks from the sides box connect red to red and black to black. Once both Posi-Locks have been tightened, wrap the wiring into the telephone cord to keep it protected and for a neater installation. See Figure 3.2.3



3.2.3

- 3.2.7** Remove the two wooden jigs from the sides box. Insert them into the front and the rear of the deck surface as per figure 3.2.4.



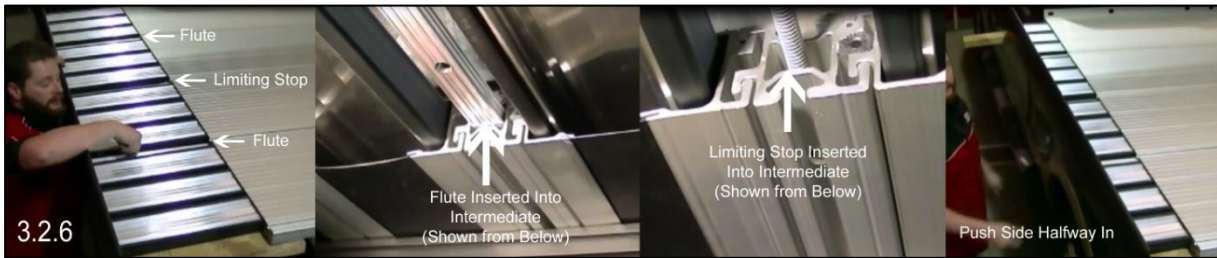
3.2.4

3.2 TRUCKBOSS Expandable Sides Installation (Continued)

3.2.8 Move the side onto the wooden jigs and insert the side arms into each of the deck planks. Note: Take care not to pinch off the electrical wiring. Insert the sides 2 inches or just before the flutes and/or limiting stop enter the deck. See Figure 3.2.5



3.2.9 Align both flutes so that they enter the intermediates on the deck. The flutes are located at the third arm in from the rear, as well as the third arm in from the front. Then line up our limiting stop so that it enters the intermediate on the deck. Push the side in approximately half way. See Figure 3.2.6.

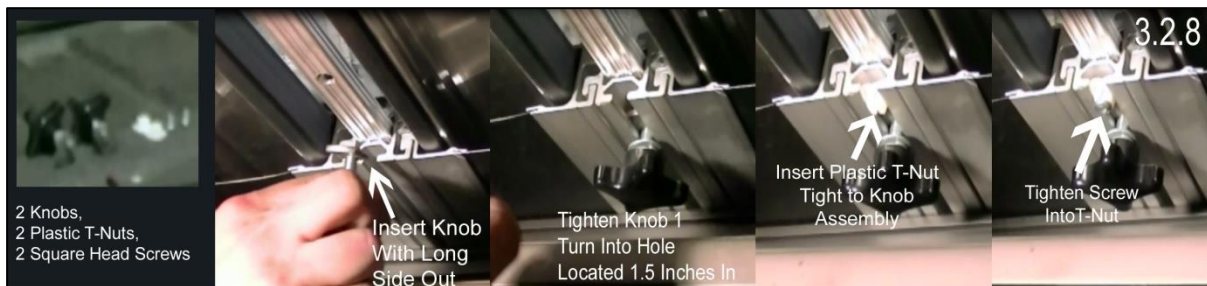


3.2.10 Next the side must be secured in the center of the side with the limiting stop bolt. (Located in the side box) Insert the limiting stop bolt into the bottom of the intermediate where the limiting stop rod is located. Insert the long side of the weld nut first. Align the limiting stop bolt with the hole located 1.5 inches in, then tighten. See Figure 3.2.7



3.2 TRUCKBOSS Expandable Sides Installation (Continued)

3.2.11 From the side hardware bag, remove 2 adjustable knobs, 2 plastic t-nuts, 2 screws, which are square head or Robertson. There are 2 adjustable side stops per side. The knobs will be installed into the intermediates where the flutes are located. Insert the knob into the bottom of the intermediate where a flute is located so the long side of the weld nut is pointed to the outside. Line it up with the hole that's located an inch and a half in from the end of the intermediate and tighten one turn. Insert the plastic t-nut into the intermediate so it is tight with the knob assembly. Then insert the square head (or Robertson head) into the t-nut and tighten. Note: A short ratchet screwdriver or small stubby screwdriver is preferred for this last step. See Figure 3.2.8



3.2.12 Remove the 2 wooden jigs.

3.2.13 Adjust the side for use. The first step in adjusting the side is locating the bolts located across the length of the bottom of the side. Take a 1/2" socket wrench and loosen each one of these bolts one full turn. (No more than a full turn) Push the side in and out several times. This will help align the arms with the sides. Once the side is sliding with relative ease, tighten up the hardware starting with the center and moving out. Do not over-tighten. See Figure 3.2.9



3.2.14 Repeat steps 3.3.2 to 3.2.13 for the passenger side.

3.2.15 The sides are installed. Proceed to Step 4

INSTALLATION INSTRUCTIONS

STEP #4

REMAINING

COMPONENTS

Tools Required:

- ½ inch wrench/ratchet (cordless drill with ½" socket will speed installation)
- Metal Power Saw or Hacksaw
- #2 Phillips Screwdriver
- Tape Measure
- Hammer

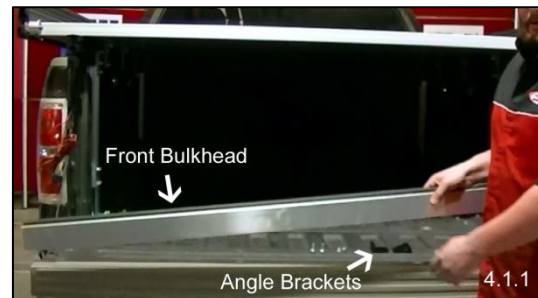
Video:

To assist in the installation process, we recommend watching the TRUCKBOSS installation videos found at www.truckbossusa.com

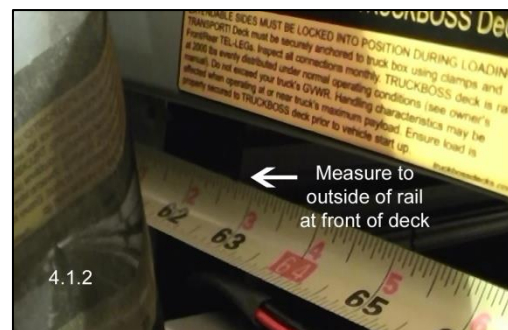
4.0 Step Four: The final step of installing your TRUCKBOSS Deck.

4.1 Front Bulkhead Seal Installation.

4.1.1 Required components: front bulkhead seal (removed from the front deck surface module in Step 2.1.3), two small rail angle brackets from box six, two 5/16 carriage bolts from box six and two 5/16 serrated flange nuts from box six. See Figure 4.1.1



4.1.2 The front bulkhead must be cut to fit your truck. Measure the front rails from outside to outside. Cut the front bulkhead down an eighth of an inch shorter than the total measurement. See Figure 4.1.2



4.1.3 Insert a carriage bolt into each of the rail capture channels, on the both the drivers and passenger side rails. See Figure 4.1.3



4.1.4 Insert the front bulkhead it into the slot in the bottom of the toe kick. Slide it into the module until it is flush with the rail. See figure 4.1.4



4.0 Front Bulkhead Seal Installation. (Continued)

- 4.1.5** Position the carriage bolt forward. Insert the rail angle bracket on to the carriage bolt and loosely fit a 5/16 serrated flange nut on. Apply pressure down on the foam rubber to get a seal, and tighten the serrated flange nut. Repeat for the other side. See figure 4.1.5



4.2 Cab Guard Installation

- 4.2.1** Open Box 7 and remove the cab guard, cab guard gussets, and from the hardware bag four 5/16" carriage bolts and four 5/16 serrated flange nuts. (Box 7 also includes the ramp bar which will be used later)
- 4.2.2** Once installed, the cab guard will tilt slightly forward as most truck cabs are slanted forward. The bottom of the cab guard is angled to achieve this tilt. Insert two carriage bolts into each side of the cab guard. Next insert the cab guard gussets on to the cab guard such that the bottom of the bracket is flush with the angle on the cab guard and the carriage bolts are through the supplied holes. Secure each bracket with two serrated flange nuts. See figure 4.2.1



- 4.2.3** Extend the deck sides out slightly. Insert two carriage bolts into the second-from-the-front capture channel, each one approximately two inches from each side of the deck. Position the Cab Guard on to the deck so each of the carriage bolts are engaged and the hook on the cab guard bracket is over the toe kick on the front. Loosely fit the serrated flange nuts. center the cab guard on the deck surface. Tighten the serrated flange nuts. See figure 4.2.2



4.3 Installing The Rear Flapper Gate

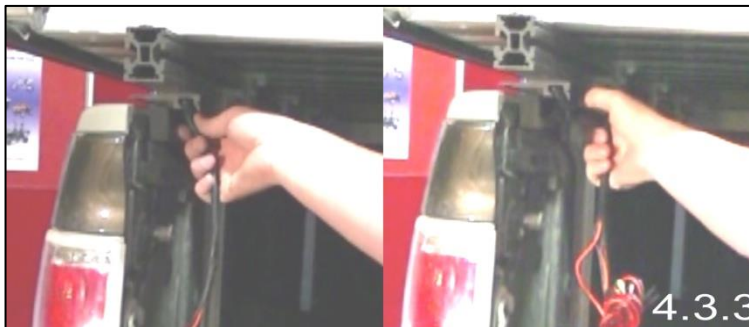
4.3.1 Required components: The Flapper Hinge Mechanism and two half-inch self tapping screws can be found in box six. The rear flap can be found in the rear deck surface module (see Step 2.6.2 for rear flap).



4.3.2 Insert the Flap Hinge Mechanisms (Driver and Passenger Side) into the Rear Flap (see figure 4.3.2).



4.3.3 Push the split-loom encased truck harness into the lower capture channel of the Rail Capture on the driver side, as per figure 4.3.3. The flange of the Flap Hinge will cover the wires and hold them in place.



4.2.3 Without disassembling the Flap Hinge, insert the Flap Hinge Carriage Bolt Heads into the driver side Rail Capture Channel (see figure 4.3.4). Insert the passenger side bolt heads into the passenger side Rail Capture Channel. Slide the Rear Flap forward until it is at a position where the rubber will contact the closed tailgate.



4.3 Installing The Rear Flapper Gate (Continued)

4.3.5 Once the Flap is in its approximate position push up on the Flap, so the top D Rubber will contact the Deck, and secure one of the two bolts on the Flap Hinge, repeat on the other side.

4.3.6 Test the Flap by closing the tailgate and feeling the contact between the tailgate and the Flap Rubber (**See figure 4.3.5**). If there is good contact between the rubber and the tailgate, secure the second bolts on the Flap Hinge, if not, loosen the bolt and reposition the flap for better contact.



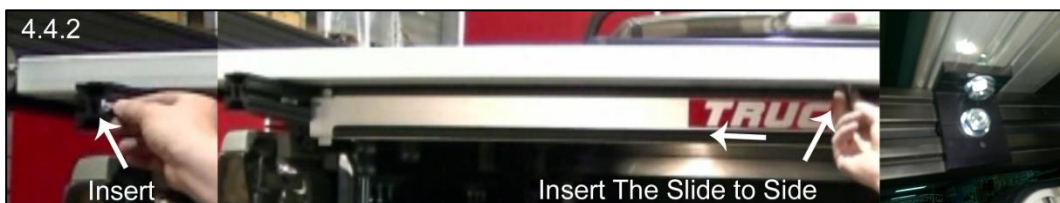
4.3.7 Center the Flap and secure on both sides with the, provided, two self tapping screws. (**See figure 4.3.6 & 4.3.7**)



4.4 Install the Rear Hold Down Brackets

4.4.1 Required Components: Small rail angle brackets (sk-8 small, black)(2), 5/16 serrated flange nuts (4), and 5/16 x 3/4 carriage bolts (4). All components can be found in Box Six

4.4.2 (If installing a TRUCKBOSS 7 on a Superduty 6.5" Bed, Skip to Step 4.5.3) Insert one carriage bolt into the driver side rail and slide forward. Insert a second carriage bolt into the center for the rear of the deck and slide to the driver side (**see figure 4.4.1**). Take one of the rail angle brackets and position it so one of the carriage bolts is through the vertical face and one is through the horizontal face. Secure the small rail angle bracket with serrated flange nuts and tighten with a ½" wrench (**see figure 4.4.2**). Repeat on the passenger side.



4.5 Ramp Bar Installation. (Ford Superduty Specific Install Hardware in ***Bold Italics***)

4.5.1 Required components: 5/16 x 3/4 Carriage bolts (8), Ramp Bar Center Bracket (1), 5/16 Serrated Flange Nuts (8), small rail angle brackets (sk-8 small, black)(2), Aluminum Ramp Bar Caps (2), Stainless Type F Fasteners (4), ***5/16 x 3/4 Stainless Button Head Bolt (2), Stainless Internal Tooth Lock Washer (2), 5/16 Weld Nut (2)***. All components can be found in Box Seven.

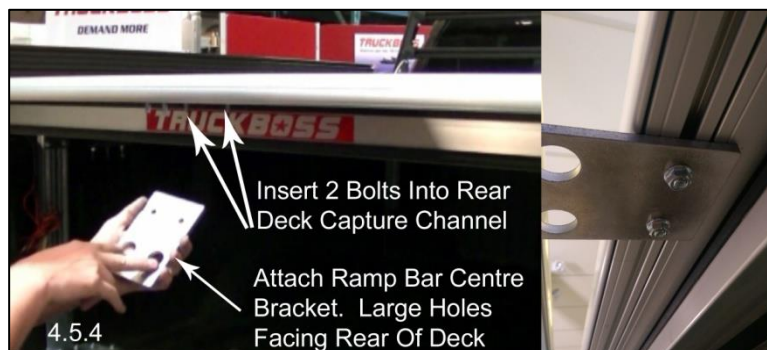
4.5.2 Insert four 5/16 carriage bolts inside of the Ramp Bar Capture Channel. Secure both ends of the Ramp bar with the provided aluminum end caps and Type F Fasteners (**see figure 4.5.1 & 4.5.2**)



4.5.3 Ford SUPERDUTY 6.5' BED INSTALL ONLY (skip to next step if installing on a different vehicle). Insert 5/16 weld nuts into rear deck capture channel (**see figure 4.5.2**). Slide to center. Install Rear Hold Downs (step 4.4) on the outermost side of the rails (**see figure 4.5.3**). Fasten the Ramp Bar Center Bracket to the TRUCKBOSS using the provided Stainless Button head bolts and internal tooth lock washers. Center the bracket and tighten in place with an Allen Key wrench (**see figure 4.5.4**). Cut Top D Rubber off of Flap, if it interferes with the center bracket. Proceed to step 4.5.5.

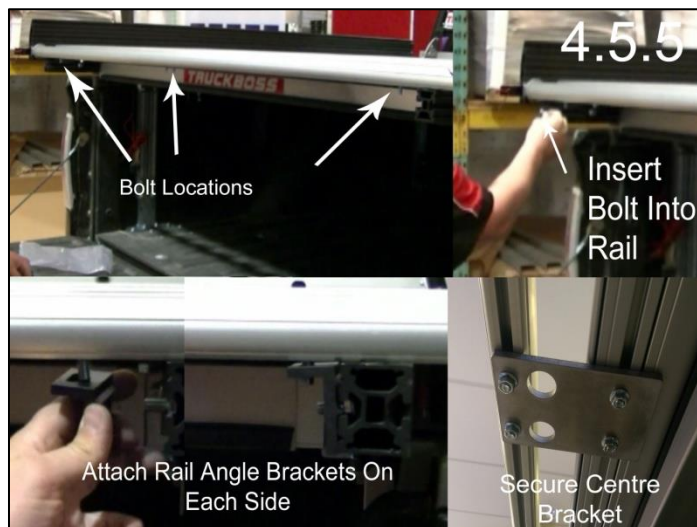
See Appendix B

4.5.4 Insert two 5/16 x 3/4 Carriage Bolts into the Rear Capture channel in the underside of the deck surface. Center and fasten the Ramp Bar Center Bracket to the underside of the deck surface (**see figure 4.5.4**)



4.5 Ramp Bar Installation. (Continued)

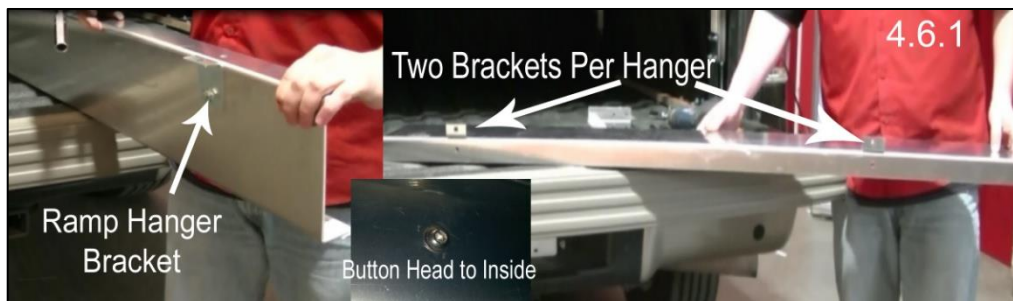
4.5.5 Place the Ramp Bar on the TRUCKBOSS Rails (channel side down). Slide one carriage bolt to the inside of both rails; insert the two centermost bolts, (in the ramp bar), into the Ramp Bar Center Bracket. Center and square the Ramp Bar to the TRUCKBOSS, secure the Ramp Bar to the Center Bracket using the provided serrated flange nuts. Attach the two remaining small rail angle brackets to the Ramp Bar and Rail by sliding a 5/16 x 3/4 carriage bolt into the inside capture channel of the rail, insert the rail-mounted bolt into the vertical face of the bracket and the bar-mounted bolt into the horizontal face of the bracket. Center the rail angle bracket to the bar and tighten both nuts using a 1/2" wrench (**see figure 4.5.5**).



4.6 Install Ramp Hangers

4.6.1 Required Components for this step are found in Box 8 (Box 17 for TRUCKBOSS 6). When you open up box eight, you'll see a bag. This contains the ramp stop and all the hardware needed to put the ramp hangers in place.

4.6.2 Place the Ramp Hangers (Long Aluminum C Channels) on a work surface or the tailgate. Attach the Ramp Hanger Brackets (provided steel angle brackets) to the Ramp Hangers using the provided Stainless 5/16 x 3/4 button head bolts and serrated flange nuts (**see figure 4.6.1**).

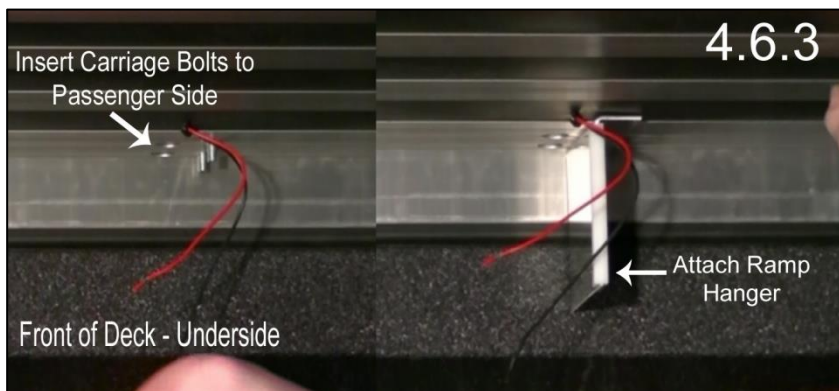


4.6.3 One set of holes, on the top Ramp Hangers, is approximately 12 inches from the edge of the ramp pocket. The longer side of the Ramp Hanger (12" from edge to center of the hole) (**See figure 4.6.2**) should be toward rear of the truck box (**note: Dodge Box size 6'2" requires opposite orientation**). Place the Ramp Hangers in the truck bed on their appropriate sides.



4.6 Install Ramp Hangers (Continued)

- 4.6.4** Installing the Ramp Stop. The following components are required: two 5/16 x 3/4 carriage bolts and two 5/16 serrated flange nuts. Insert the two 5/16 carriage bolts into the two front most capture channels on the underside of the front surface module (Passenger side of the center). Attach the Ramp Stop to the deck surface using the inserted bolts and two serrated flange nuts (see figure 4.6.3). Tighten with a ½" Wrench.



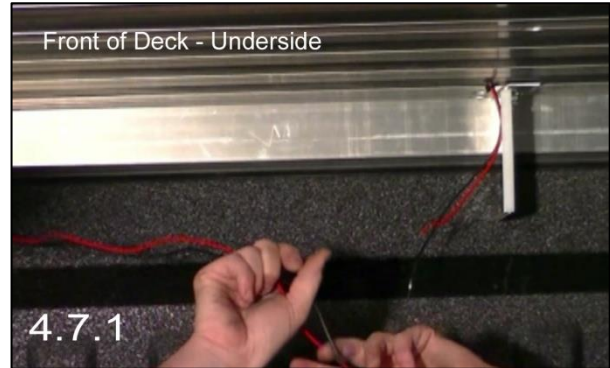
- 4.6.5** Insert eight 5/16 x ¾ carriage bolts into the two capture channels that align with the pre-drilled holes in the Ramp Hangers and Ramp Hanger Brackets. To avoid possible contact with a driver side mounted winch contactor, start by mounting and aligning the passenger side Ramp Hanger so that there is a ½" gap between the Ramp Hanger Brackets and the TRUCKBOSS Rail Angle Brackets. Once positioned and square with the TRUCKBOSS, tighten all the mounting hardware of the passenger side Ramp Hanger. The Ramp Hangers should be spaced 53" inside to inside for a TRUCKBOSS Fat Ramp and 17" inside to inside for a TRUCKBOSS Skinny Ramp. Once the driver side Ramp Hanger is correctly aligned tighten all mounting hardware using a ½" wrench. (See figure 4.6.4)



4.7 Electrical Connections (Not applicable for a TRUCKBOSS Base)

4.7.1 Required components for this step can be found in Box 1, 9, or 14 (depending on TRUCKBOSS Size).

4.7.2 The two wires located at the center, underneath the TRUCKBOSS Surface need to be connected to the truck harness (wires located in the Rail Capture). To secure the front electrical connection, you will need two red Posi-Locks, 30" Piece of Plastic T Slot, and cutters to trim the Plastic T Slot, if required. Start by connecting the corresponding colored wires (at the front of the truck bed) to each other using the provided red Posi-Locks (see figure 4.7.1).



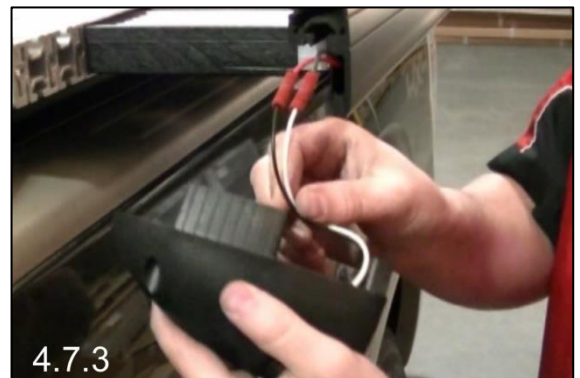
4.7.3 Once the connections are made, the wires can be tucked into one of the two front most capture channels, located under the surface, and secured by pushing the Plastic T Slot into the capture channel to hold the wires in place. (see figure 4.7.2)



4.7.4 Before installing the End Caps, all side mounted accessories should be installed. A popular side mounted option for TRUCKBOSS customers are the TRUCKBOSS Tie-Down Rings. Ensure that the Tie-Down Rings are installed (or the bolts are inserted) prior to installing the End Caps.

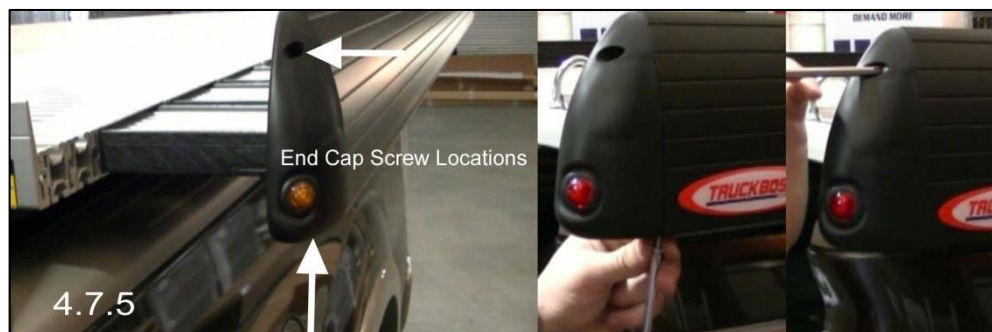
4.7.5 Once the front connection is made, the four end caps can be installed. Amber Lights face forward and Red Lights face rearward. The Plastic Caps are designed to fit in their corresponding corners on the sides. To connect an End Cap and Light, you will require two Red Posi-Locks, two 3/4" Phillips head screws and one star washer.

4.7.6 Pull the first side out enough to have easy access to the end on which you are installing the end cap. Attach the Red Posi-Locks to the end cap wires (see figure 4.7.3). The two wires located in the side are already stripped and ready for connection. The LED Lights have a Black and a White Wire, connect the Black LED Wire to the Red Side Wire and connect the White LED Wire to the Black Side Wire.



4.7 Electrical Connections (Continued)

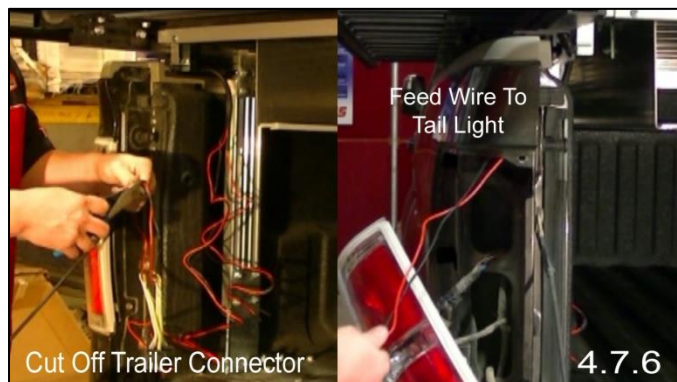
4.7.7 Once the wiring is connected, neatly tuck the wire into the plastic cap, then insert the plastic cap into the Side until flush (**see figure 4.7.4**). Once inserted, take a Phillips head screwdriver and fasten one screw with a star washer, through the underside of the plastic cap to the corresponding hole located under the Aluminum Side (**see figure 4.7.5**). Once secure, take the remaining screw and insert it through the hole in the front of the cap, it will be aligned with a receiver located in the Aluminum Side. Keep the outside flush with the plastic cap and tighten the front screw until secure. Repeat these steps for the remaining three end caps.



4.7.8 The final wiring step is to connect the TRUCKBOSS wire harness to the truck. The TRUCKBOSS Wire Harness comes with a trailer connector that can be used for power; the more popular and cleaner installation method is to connect directly to the running lights of the vehicle.

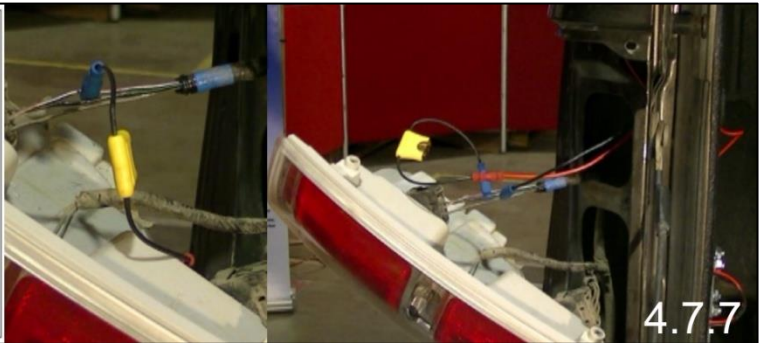
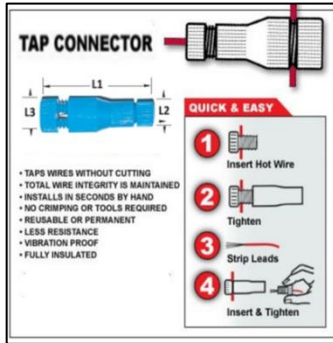
4.7.9 The Wire Harness comes out of the TRUCKBOSS Rail Capture at the rear and is tucked behind the Rear Flap (see Step 4.3.3). The harness includes an auxiliary connection for under-deck lighting (extra red and black wires on the harness).

4.7.10 If installing directly into the vehicles taillight. Begin by cutting the trailer connector off of the TRUCKBOSS Wiring Harness. Remove the driver side tail light and feed the wires into the tail light cavity, pull any remaining slack into the tail light cavity for a clean install (**see figure 4.7.6**).



4.7 Electrical Connections (Continued)

4.7.12 For a clean install trim any excess wire from the TRUCKBOSS harness and strip the red and black wires for connection. Using the supplied blue spike connector and inline fuse, connect to the power wire of the running light. Use the remaining blue spike connector on the tail light ground. Connect the power side to the Red Wire of the TRUCKBOSS Harness; connect the Ground Side to the Black Wire of the TRUCKBOSS Harness. Before re-attaching the tail light, test that all of the lights work.



4.8 Ramp Assembly

4.8.1 Required Components for this step are found in the hardware bag that is taped to the bottom of the Ramp: Left Hook, Right Hook, Two 5/16 x ¾ Carriage Bolts, Two 5/16 Serrated Flange Nuts. The Safety 'D' Ring can be found on one of the Ramp Rungs.

4.8.2 Start with the driver side hook. The driver side hook has the safety latch located on the inside of the hook, the carriage bolt head will be located on the outside of the hook. Spin the serrated flange nut off that's been supplied with the hook. Fit the rectangular part of the hook into the extrusion on the outside of the ramp (**see figure 4.8.1**). Take the serrated flange nut and spin it onto the bolt. Tighten the nut with a ½" wrench or a ½" Socket Wrench to secure it to the ramp. Repeat for the other side.



4.8.3 Once assembled, flip the rear flap up, and slide the Ramp into the Ramp Pocket. The easiest way to do this is by resting the weight of the ramp on the tailgate and lifting the ramp from the bottom (**see figure 4.8.2**). Once the Ramp has slid into place, flip the Rear Flap down and close the tailgate.



4.9 End Caps

- 4.9.1** For the final step, take the two rectangular plastic end caps from box 6. Insert the end caps into the rear rails (**see figure 4.9.1**), we recommend using a rubber mallet. The TRUCKBOSS is now fully installed.





INSTALLATION INSTRUCTIONS

APPENDIX A

RF Bracket

Only Used on Commercial Decks

Tools Required:

- ½ inch wrench/ratchet (cordless drill with ½" socket will speed installation)
- 9/16" wrench/ratchet
- Phillips Screwdriver Bit (for use with drill/driver)
- Tape Measure
- Hammer

Video:

To assist in the installation process, we recommend watching the TRUCKBOSS installation videos found at www.truckbossusa.com

A-1 RF Bracket Install - Before installing a TRUCKBOSS Deck on a heavy use commercial vehicle, we recommend installing the optional RF Bracket. The RF Bracket reinforces the truck box for all rail mounted accessories. You will find the steps for installation listed below:

A-2 Clean surface prior to mounting RF Bracket. If a plastic cap is present, pry the cap up and remove any plastic protrusions that interfere with mounting the RF Bracket (The RF Bracket is meant to be installed under the plastic cap).



A-3 Place RF Bracket on the Left Hand and Right Hand corners. (long side to the rear)



A-4 Secure the RF Bracket in place by using the provided screws. (Black-painted screws are meant for exposed areas)



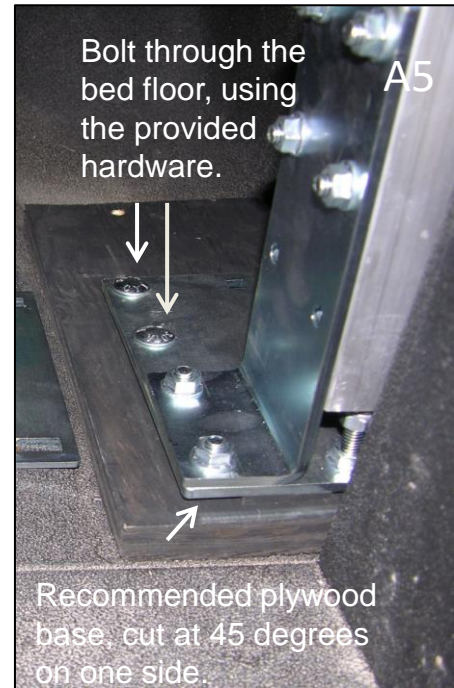
Installed without a plastic rail cap



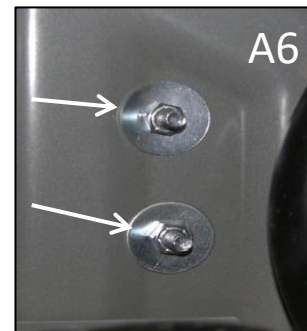
Installed with a plastic rail cap

A-5 Place leg in correct position.

A-6 Only drill on high use commercial applications. Using a 21/64 drill bit and the base plate as a guide, drill through the bed floor to allow the provided carriage bolt through. (Always check for obstructions before drilling)



A-7 Use the provided carriage bolts, fender washers and nylon lock nuts to secure the base plate to the truck bed .



The RF Bracket was designed to help prevent independent flexing of the side and front bulkhead panels on the modern truck bed when subjected to extreme conditions.

Bolting the TRUCKBOSS Leg Base Plates to the bed floor helps prevent a bouncing effect that may occur when the truck bed is subjected to extreme conditions.

INSTALLATION INSTRUCTIONS

APPENDIX B

Ford Superduty Short Box (6'8") Component Install

Tools Required:

- ½ inch wrench/ratchet (cordless drill with ½" socket will speed installation)
- Wire Crimper
- Phillips Screwdriver
- Tape Measure
- Hammer
- Cable Ties
- Knife

Video:

To assist in the installation process, we recommend watching the TRUCKBOSS installation videos found at www.truckbossusa.com

B-1 Due to the length of the Ford Superduty's 6'8" truck bed, certain TRUCKBOSS components need to be installed differently and/or with different hardware.

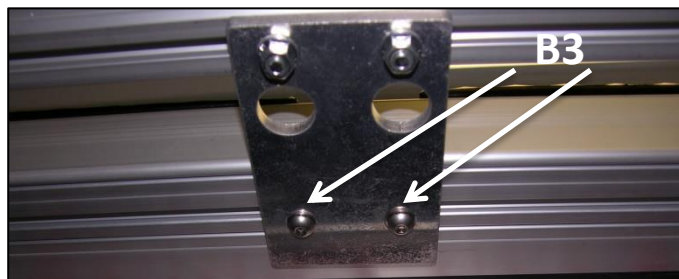
B-2 Before installing the rear surface bracket, insert the weld nuts that will be used to install the Ramp Bar Center Bracket. Insert the two supplied weld nuts (found in Box 6) into the underside of the rearmost capture channel (See Photo B1).



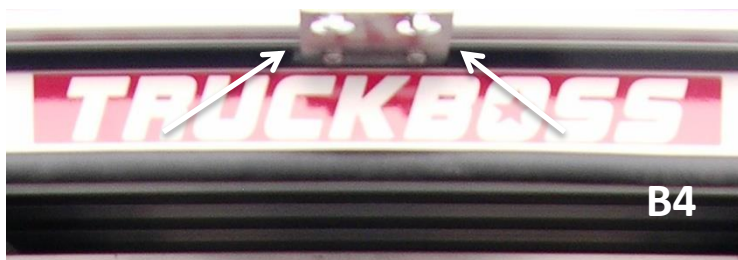
B-3 Slide both weld nuts to center of the capture channel (see Photo B2)



B-4 Center the Ramp Bar Center Bracket. Use the two supplied Button Head Bolts (Allen Key/Hex Key) and Internal Tooth Lock Washers (found in Box 6) to secure the Center Bracket to the rearmost Capture Channel (See Photo B3)



B-5 For easier Rear Flap movement, trim the D Rubber on top of the Rear Flapper where it may interfere with the Ramp Bar center Bracket (See Photo B4)



- B-6** Install the two Rear Surface Brackets on the outside of the TRUCKBOSS Rails to avoid interference with other TRUCKBOSS components (See Figure B5). Brackets and Hardware can be found in Box 6.



INSTALLATION INSTRUCTIONS

APPENDIX C

Winch Install

Tools Required:

- ½ inch wrench/ratchet (cordless drill with ½" socket will speed installation)
- 9/16" wrench/ratchet
- Phillips Screwdriver
- Tape Measure
- Hammer

Video:

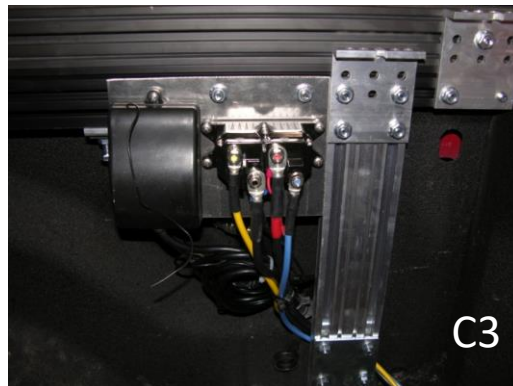
To assist in the installation process, we recommend watching the TRUCKBOSS installation videos found at www.truckbossusa.com

- C-1** Before you begin Installing the 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 Figure C1**):



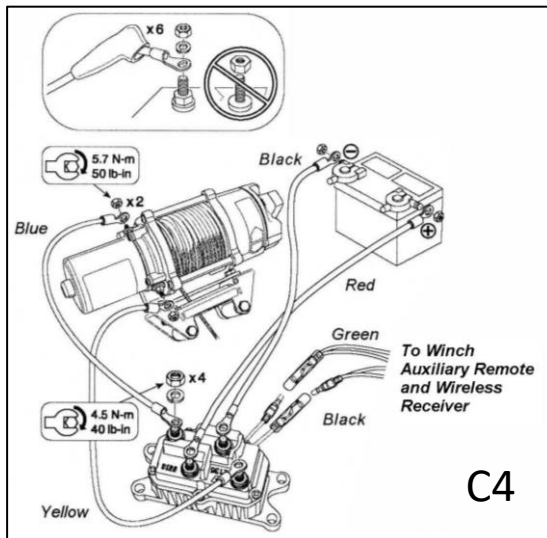
1. 1 Warrior C3500 XT Winch, Pre-Assembled on a TRUCKBOSS Winch Plate (Includes Mounting Hardware)
2. 1 Winch Contactor with Wireless Receiver Pre-Assembled on an Aluminum Mounting Plate (Includes Mounting Hardware)
3. 1 x 4ft. Twisted Eye Sling
4. 2 x 20' lengths of #6 AWG Wire complete with Ring Terminals (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)

- C-2** Align the contactor plate holes with the insert nuts. Use the provided bolts with a lock washer and plate washer (**See Figure C2**) to secure the Contactor to the capture channel (**See Figure C3**).



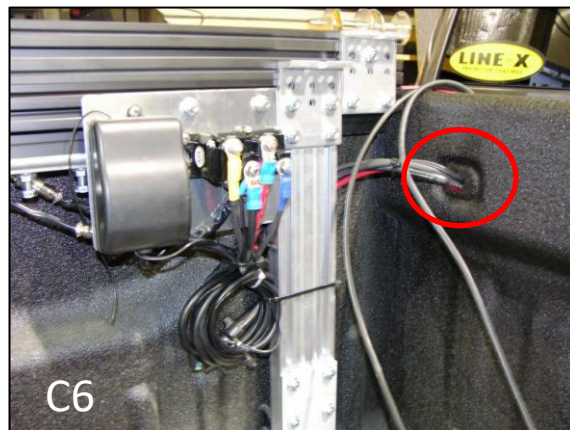
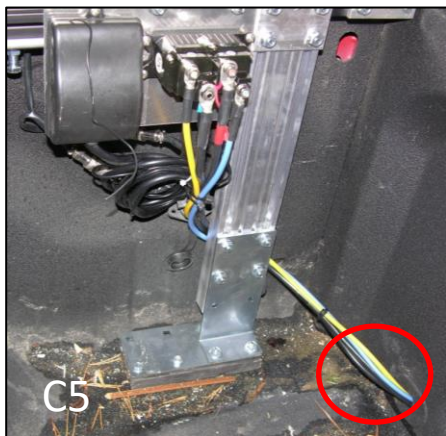
C-3 Routing the Winch and Battery Cables Now that the contactor is mounted, it is time to route the Winch and Battery Cables:

C-3.1 Bolt the Cable Ring Terminals to their color matching posts on the contactor (See Figure C4).

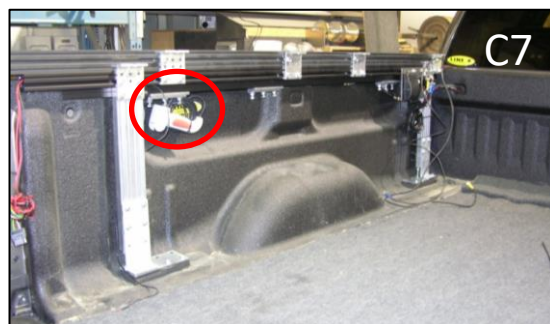


- **Always** remove jewelry and wear eye protection
- **Never** lean over battery while making connections
- **Always** verify area is clear of fuel lines, fuel tanks, brake lines, electrical wire, etc. when drilling
- **Never** route or secure electrical cables:
 - Across any sharp edges
 - Through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

C-3.2 Drill a 3/4" hole in one of the provided plastic inserts in the front bulkhead of the truck box (See **Red Circles in Photos C5, C6**). 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. 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)

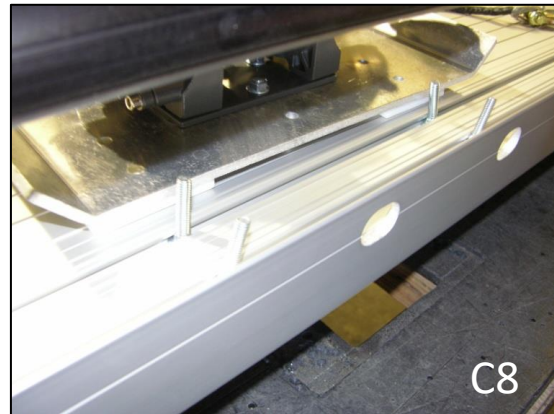


C-3.3 Connect the Auxiliary Switch to the adapter located on the pre-assembled contactor plate, and secure it to the rear-most clamp with a plastic cable tie. (See **Red Circle in Figure C7**)

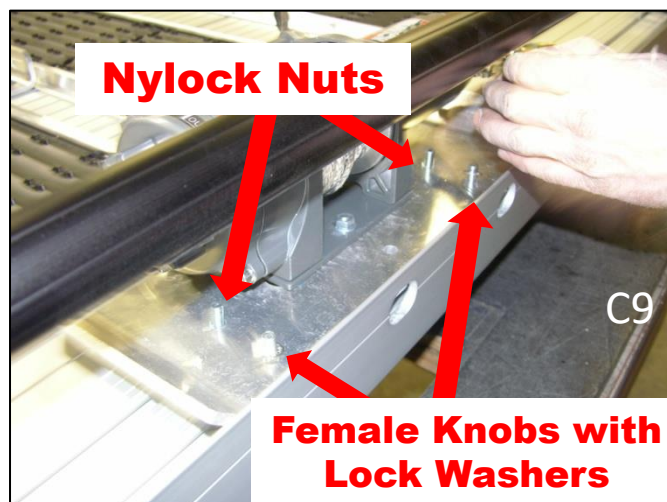


C-4 Install Winch Plate

C-4.1 Insert Four 5/16" x 2" Carriage Bolts into the front two Capture Channels located on the TRUCKBOSS (See Figure C8). (For ease of install remove the Cab Guard if already installed)



C-4.2 Place the Winch Plate over top of the four bolts to allow the bolts through the pre-drilled holes in the Winch Plate. 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. 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 Figure C9).



C-4.3 Connect the Blue and Yellow Winch Cables to the Winch



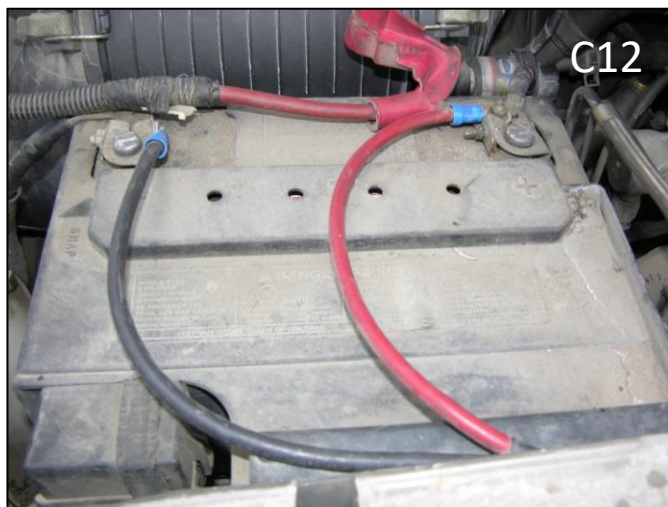
C-5 Connecting the Contactor to the Battery

C-4.1

Mount the 150 amp circuit breaker to inside fender well on battery side of truck. Using the red wire mount to one side of circuit breaker then mount another wire from circuit breaker to positive side of battery. This will break the connection in case of an electrical short. Two new terminal ends are supplied and use the remaining red wire. (See Figure C11)



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. 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 Figure C12)



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 Figures C12 –C15)
- 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.





INSTALLATION INSTRUCTIONS

APPENDIX D

Carbide Kit Installation

Tools Required:

- Phillips Screwdriver
- Tape Measure

Video:

To assist in the installation process, we recommend watching the TRUCKBOSS installation videos found at www.truckbossusa.com

D-1 It is recommended that D-Rings, Super Clamp D Rings, are installed before proceeding to the next step

D-2 The Carbide Protection Kit has two main components. The first is four strips of Low Pro Grip Glide that is installed in the main deck surface. See D1. The second is a composite side protector which fits into each of the arms in the expandable sides. See D2

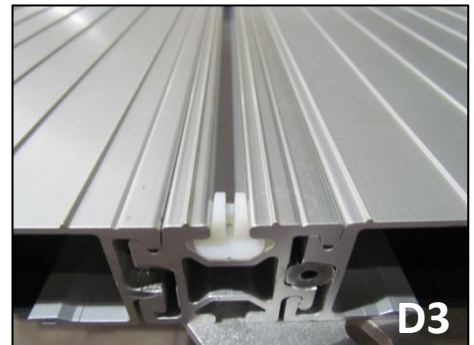


Note: The four strips are aligned on the deck so that a single sled load will use #1, and #4. When two sleds are loaded the left sled will use #2 and the extended side and the right sled will use #3 and the extended side. The measurements used in these instructions will accommodate most snowmobiles. Adjustments in placement may be necessary for some models of snowmobiles.

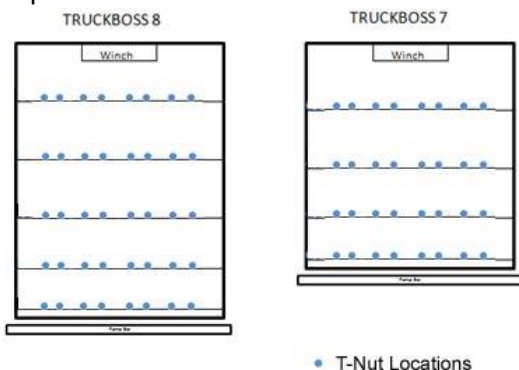
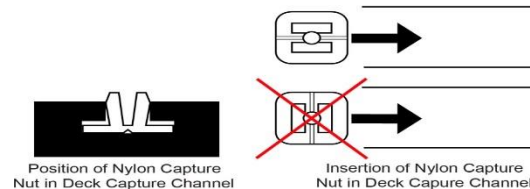


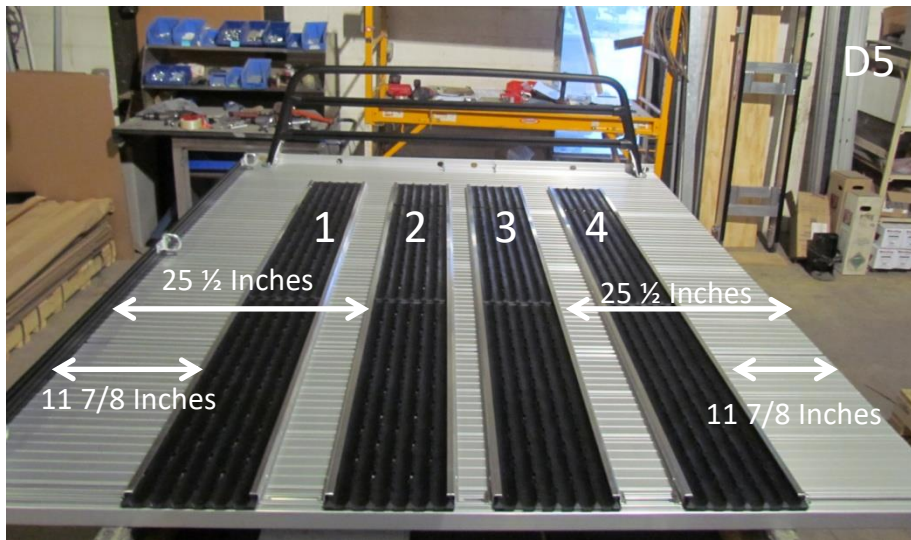
D-3 Insert 8 plastic T-Nuts into each of the rearmost 5 capture channels on your deck surface (TRUCKBOSS 8) or 8 plastic T-Nuts into each of the rearmost 4 capture channels on your deck surface (TRUCKBOSS 7).

The T-Nuts should be aligned as per D3 when inserted into each channel.



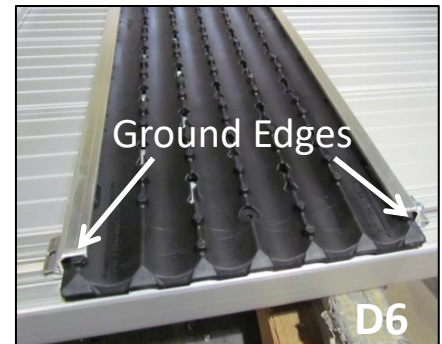
D-4 The nuts can be aligned using the supplied dowel. In each of the channels position the dowel so that the black edge is even with one edge of the deck. Position one T-Nut even with each of the four black marks on the dowel. For the same channel position the black edge of the dowel even with the other edge of the deck and position each of the remaining four T-Nuts. Repeat this process for each of the capture channels.





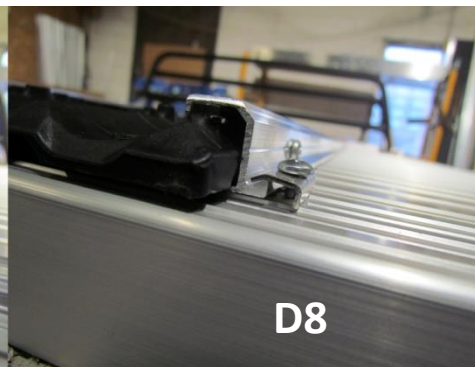
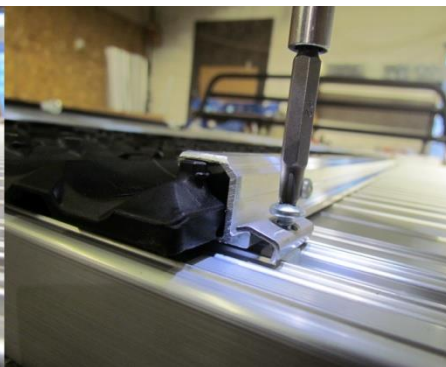
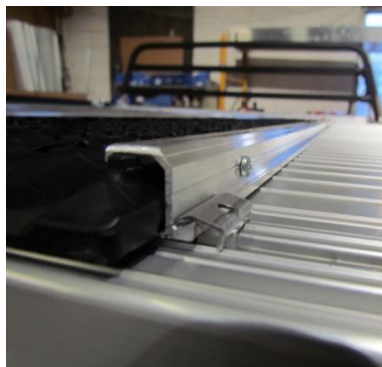
- D-5** Position each of the four carbide strips on the deck surface as shown in figure D5. The carbide strips should be orientated so that the ground edges of the extrusion face the rear of the deck. (see figure D6)

Note: For ease of installation place one strip at a time, starting with the inside strips, and go to step D6 and D7.



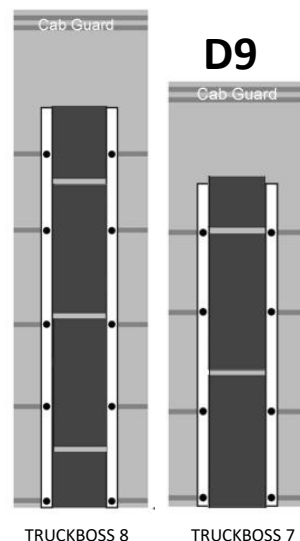
- D-6** The plastic T-Nuts should now be put into final position such that they are just outside both edges of each extrusion. See D7



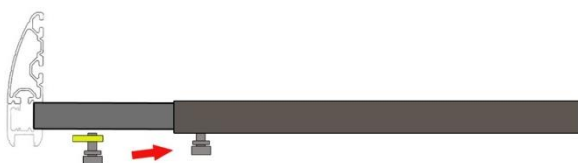


- D-7** Place a metal clip as shown in D8 (bent edge captures extrusion and hole is over T-Nut) and tighten down with a #10 5/8 Philips Pan Head Screw. Repeat for all channels on both sides of the carbide strip. See D9.

Note: Tightening the top left and bottom right clip on each strip first will help keep it in alignment during the rest of the process.

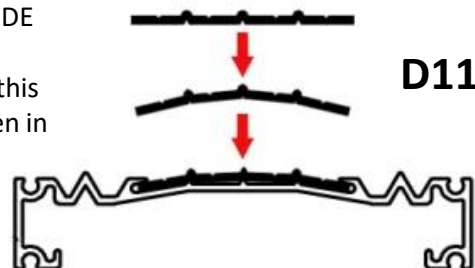


- D-8** Install Side Protectors. Remove the SIDE-STOPPER ASSEMBLY to allow the deck sides to be over-extended. See D10

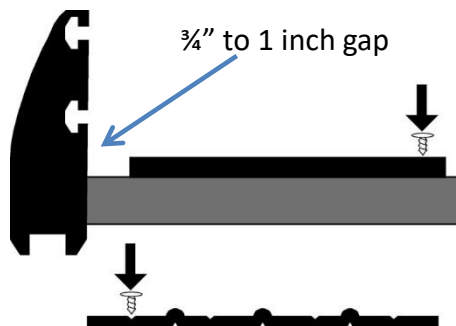


- D-9** Pull the DECK-SIDE approximately 2" past the stop location.

- D-10** Insert the plastic SIDE PROTECTOR into the side sliders of the DECK SIDE by pinching the SIDE PROTECTORS along their width. If the side is completely out of the deck they can be slid in from the open side. If this is an addition to an existing install, allowing the plastic pieces to soften in warm water will make the process easier.

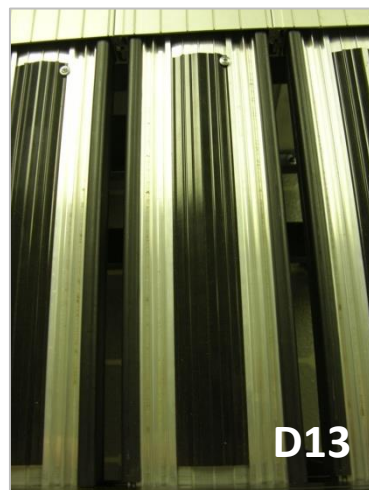


- D-11** Position the plastic SIDE PROTECTOR approx. 1" from the inside edge of the DECK-SIDE and use (1x) #8 - 1/2" Self Tapping Wafer Screw to hold it in place.



D12

- D-12** The SIDE PROTECTORS only require one screw each to hold them in place. Any more will prevent them from expanding and contracting—leading to potential binding of the DECK-SIDE mechanism.



D13

- D-13** REPLACE THE SIDE-STOPPER ASSEMBLY (reverse of D8).



Congratulations on a Successful Install!



**Questions or Comments?
Contact Us!**

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For Installation Videos, TRUCKBOSS/TBOSS Accessory Information, and Downloadable Content (Price Lists, Truck Fit Guide, Installation Guides and more), please visit our website:



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