



INSTALLATION GUIDE



General Features

- ✓ Low Profile The SMART BOXX stands only 1.5" off of the bed of your truck so cargo space is maximized
- ✓ Two Sizes – Short Box :74" L X 47" W X 7" T and Long Box 92" L X 47" W X 7" T
- ✓ All Aluminium Anodized Construction: The SMART BOXX system weighs only 87lbs (Short Box), and the hard wearing anodized finish additional toughness for whatever you throw at it.
- ✓ The SMART BOXX exclusive rolling system is easy to pull out / push in for easy access to your cargo.
- ✓ SMART BOXX features safety end-stops for both in/out positions.
- ✓ SMART BOXX can quickly and easily be removed when you need the full bed of your truck.
- ✓ SMART BOXX features an adjustable divider so you can keep those important things handy and accessible. Additional Dividers are available as an option.
- ✓ Patent-Pending.



Notice:

- SMARTBOXX is rated for 500lbs of evenly distributed cargo
- Do not stand in SMARTBOXX or use it as a platform in any way.
- Do not allow children to play in or around the SMARTBOXX



Component List

Main Components

- 2 – SMARTBOXX Base Assemblies with Roller System
- 1- SMARTBOXX Roller System Channel
- 2 – End Panels
- 2 – Side Panels
- 1- Divider

Hardware

- 2 – Divider Knobs
- 2 – Divider Brackets
- 44 – 1/2" Wafer Head Screws
- 36 – 1/4" SEMS Screws
- 6– Rubber Stops (Replaces: 4-Bumper Stops & 2-Tailgate Stops shown in video)
- 2 – White Plastic End Caps
- 8 – Corner Angle Brackets
- 7 – Pull Nuts
- 1- Pull Nut Install Kit (includes one pull nut)
- 8 – 5/16" x 1 1/4" Hex Head Bolts
- 4 – 5/16" x 3/4" Regular Carriage Bolts (Dome Head)
- 4- 5/16" x 3/4" Flat Carriage Bolts (Packaged with base plates)
- 8 – 5/16" Plated, Serrated Flange Nuts
- 8 – 5/16" Plated Lock Washers
- 4- 1/4" Plastic Spacers (These replace the 5/16" Plated Washers shown in the video)
- 4- 3/8" Plastic Spacers
- 2-Box Stop Base Plates
- 2-Bearing Angles
- 2-Bearing Angles with Plastic Guides



Tools Required For Assembly

- 1 -Tape Measure
- 1 - Sharpie Marker
- 1 -1/2" Drill Bit
- 1 -1/4" Drill Bit
- 1 - #3 Phillips Screwdriver / Bit
- 1 - #2 Phillips Screwdriver / Bit
- 1 - 1/2" Wrench / Socket
- 1 -9/16" Wrench
- 1 -1/2" Driver Adapter
- 1 - Cordless Drill --- Note: Cordless drill should have a clutch setting. When drilling in Wafer Head Screws start with a low clutch setting and work your way up to a point where the screw is tight while the Wafer Head Screw is not being stripped. See your cordless drill users guide for more information on adjusting the clutch.



Installation Process

Installation of your SMARTBOXX will be done in two steps.

STEP1: Assemble the SMARTBOXX

STEP2: Install the SMARTBOXX into your truck.

Note: We strongly recommend that you watch the supplied installation DVD before installing SMARTBOXX. If you do not have the DVD, the video can be found at www.truckbossdecks.com

STEP 1: Assemble the SMARTBOXX

- 1.1 On your work surface align the two SMARTBOXX base assemblies with the wheels up and to the right as shown in figure 1.1



Figure 1.1

- 1.2 Insert the right assembly in to the left as shown in figure 1.2.1.

When inserting you will have to gently lift the middle reinforcing brackets for the panel to slide in to the slot.

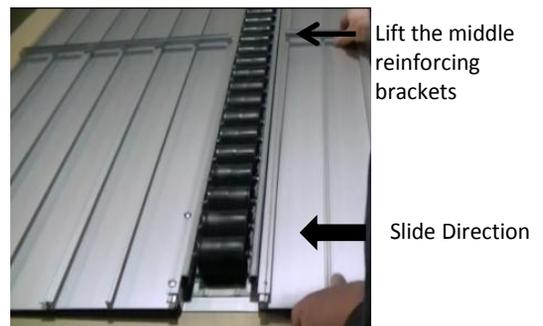


Figure 1.2.1

Align the panel so that the pre drilled holes in both panels match up. When properly aligned the roller channel will be set back approx 1/2" from the base assembly as shown in figure 1.2.2.



Figure 1.2.2

STEP 1: Assemble the SMARTBOXX

- 1.3 Next take the SMARTBOXX roller channel and insert it on to the left side of the assembly. Note: ensure that the roller channel has the same hole orientation as the previous two roller channels, this can be determined by matching the pre drilled holes on the assembly. See Figure 1.3

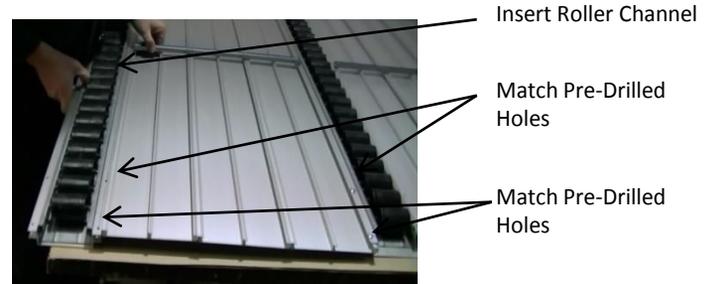


Figure 1.3

- 1.4 Using 4 wafer head screws fasten the entire assembly together by inserting one screw into each of the 4 pre-drilled holes under each of the braces as shown in figure 1.4. Note: On 8ft SMARTBOXX installations there will be three reinforcing brackets and six screws.



Figure 1.4

- 1.5 Install 6 additional wafer head screws into the predrilled holes as shown in figure 1.5. When screwing in the wafer head screws we recommend that you squeeze the two assemblies tightly together. You will be adding screws directly across from the screw points in the pre-built assemblies.

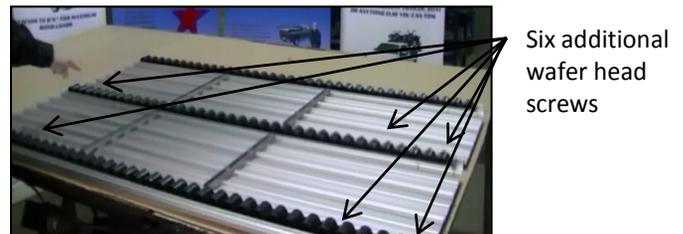


Figure 1.5

- 1.6 Installing the end caps on to the base assembly. Slide the end cap on to the base assembly as shown in figure 1.6.1. Align the end cap so that the middle groove in the base assembly are aligned with the center oval holes in the end cap see figure 1.6.2. Fasten one wafer head screw in to each of the pre drilled holes in the end cap. Start with the middle hole followed by the two outside hole, then finish with the remaining holes. Ensure that you are pushing the end cap into the base assembly when fastening the wafer head screws in. Repeat for both end caps.



Figure 1.6.1



Figure 1.6.2

STEP 1: Assemble the SMARTBOXX

- 1.7 Installing the sides. When installing the sides the red reflector should be on the same end as the SMARTBOXX logo (shown in figure 1.7.1). To insert the side panel slip it underneath the roller channel C channel as shown in figure 1.7.2. Align so that the end of the side is roughly in line with the previously installed end caps. If both ends of the sides do not perfectly align with the end cap, split the difference on each side.



Figure 1.7.1



Figure 1.7.2

- 1.8 Next, insert wafer head screws into the sides through the pre drilled holes in the roller channel. Ensure that you are squeezing the assembly tight as you insert each screw. See figure 1.8.



Figure 1.8

- 1.9 Installing the bottom corner brackets. Remove foam packing from the channels as shown in figure 1.9.1. Hold the corner bracket roughly in place and move 2 nuts on each side in each channel so they roughly align with the holes. See figure 1.9.2. Hold corner bracket in place and insert 2 SEMS screws on each side in to each of the nuts. See figure 1.9.3. Do not over tighten, should be loose. Apply pressure inwards to ensure that the bottoms of the end caps and side panels are aligned, then firmly tighten all 4 screws. See figure 1.9.4 Install the bottom 4 corner brackets, then the top 4 corner brackets.



Figure 1.9.1



Figure 1.9.2



Figure 1.9.3



Figure 1.9.4



STEP 1: Assemble the SMARTBOXX

- 1.10 Install the two tailgate stops in to the bottom channel on the front of the SMARTBOXX. The tailgate stops will screw in to the two remaining nuts on the bottom of the front channel. Install one stop as far left as possible and one stop as far right as possible as shown in figure 1.10. Do not over tighten as these stops will be moved in Step2.

Note: Tailgate stops and bumper stops have been replaced by a standard bumper stop shown below

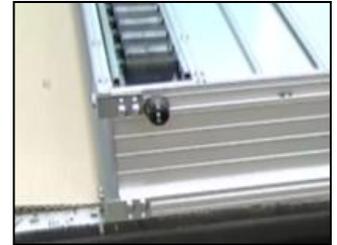


Figure 1.10

- 1.11 Install 2 bumper stops on to each side of the SMARTBOXX. The bumper stops will screw in to the supplied nuts on the side channels. The back bumper stop should be positioned as far to the back as possible (against the corner bracket) Tighten the back bumper stop, this can be fully tightened. See figure 1.11.1. The forward bumper stop should be installed close to the front of the smart box (should be near the red reflective label). This bumper should only be hand tightened. See figure 1.11.2.



Figure 1.11.1



Figure 1.11.2

- 1.12 Turn the SMARTBOXX over to the upright position.

- 1.13 Installing the divider. Remove packing foam from the top of the divider and the top channel on each side of the SMARTBOXX. See figure 1.13.1. Align the divider bracket with the corner bracket and using the divider knob, tighten it into the nut in the top channel. See figure 1.13.2. Repeat both sides. Next hold the divider next to the divider bracket and align the nuts. Use two SEM screws to attach the divider to the divider bracket. See figure 1.13.3. Repeat both sides. The divider may now be positioned anywhere along the sides.



Figure 1.13.1



Figure 1.13.2



Figure 1.13.3

- 1.14 Attach the 2 white plastic end caps to the front of the SMARTBOXX as shown in figure 1.14.1.



Figure 1.14.1

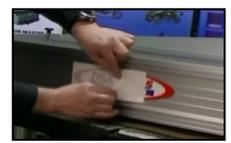


Figure 1.15.1

- 1.15 Remove white protection layer from SMARTBOXX logo. See figure 1.15.1.

STEP 1: Completed



STEP 2: Install The SMARTBOXX Into Your Truck.

- 2.1 Assembling the SMARTBOXX stop system. Install two 5/16 x 3/4 carriage bolts to the base plate and attach a bearing angle as shown in figure 2.1.1 Nuts should be loose. Install two 5/16 x 3/4 carriage bolts to attach the bearing angles together as shown in figure 2.1.2. Nuts should be loose. Repeat for the second bracket. You should now have two loosely assembled SMARTBOXX stop systems assembled. See figure 2.1.3.



Figure 2.1.1



Figure 2.1.2

Note: Top bearing angle is on the left of the bottom bearing angle



Figure 2.1.3

Note: The base plate has been replaced with the version shown below. This larger base plate is easier to position in the box of your truck.



Note: The carriage bolts in step 2.1 are now flat head carriage bolts. This will reduce rocking on ribs of the truck bed.



- 2.2 Measuring your truck box for installation. In approximate alignment with each wheel well, make a mark 6" in from the end of the truck box as shown in figure 2.2.1. Next, find the center of your truck box either by measurement or by looking for the center rib and make a mark 6" in from the center of the box. From the 6" mark in the center of your bed draw a 6- 8" centering line as shown in figure 2.2.2.



Figure 2.2.1



Figure 2.2.2

- 2.3 As per figure 2.3.1, adjust the bottom bearing angle so there is 1/8" of the slide channel showing then hand tighten the serrated flange nuts.



Figure 2.3.1

1/8" of the slide channel showing



STEP 2: Install The SMARTBOXX Into Your Truck.

- 2.4 Position the SMARTBOXX stop assembly on the right side of the bed at the 6" mark as shown in figure 2.4.1.

Measure 23 3/8" from the center line to the edge of the white plastic end cap on the SMARTBOXX hold down assembly as shown in figure 2.4.2.

Holding the base plate in position mark 4 through the base plate channels where the holes in the box will be drilled. Locate the holes slightly in from the end of the channels for future adjustment. Avoid any seams in the truck bed. Hole locations may be in the upper or lower part of the ribs of the truck bed. Upper part of the ribs of the truck box are preferred. Double check to ensure that the marks are in the center of the base plate channels. Check underneath your truck to ensure nothing structural will interfere with where you intend to drill. Do not worry if the base plate is rocking on the carriage bolts.

Repeat on the other side.

**** Important: Ensure the four base plate hole are accurately located in the centre of the base plate channels. Failure to do so will result in mis-aligned anchor bolts and a difficult base plate installation.**

- 2.5 Using the 1/4" drill bit carefully drill pilot holes through each of your 8 base plate hole locations (4 on each side). Then expand each hole using your 1/2" drill bit.



Figure 2.4.1



Figure 2.4.2



Figure 2.4.3



Figure 2.5



STEP 2: Install The SMARTBOXX Into Your Truck.

- 2.6 Pull Nut installation: Using the pull nut assembly shown in figure 2.6.1 install 8 pull nuts into the ½” holes.

Screw the pull nut assembly in to a Pull Nut as shown in figure 2.6.2.

Drop the assembly into the ½” hole as shown in figure 2.6.3. Use a 9/16” wrench on the bottom nut to hold the assembly in place and ½ socket or wrench on the top to tighten the pull nut in to place. Initial Pull Nut tightening may be difficult but as the Pull Nut expands it will become easier. As the final seating of the Pull Nut takes place it becomes more difficult to tighten. Tighten completely.

Remove the pull nut assembly bolt kit and repeat for the remaining holes.



Figure 2.6.1



Figure 2.6.2



Figure 2.6.3

STEP 2: Install The SMARTBOXX Into Your Truck.

- 2.7 Position the SMARTBOXX stop assembly over the pull nuts. Re-confirm the 23 3/8" measurement from center to white plastic bearing angle. If the base plate fits without rocking on the carriage bolts then use the 5/16" x 1 1/4" bolts with a lock washer to install the plate.

If the base plate is rocking on the carriage bolt then use the supplied 5/16" zinc plated washers to level the base plate as shown in figure 2.7.1. If the pull nuts are positioned in a depression in the box you can use the supplied plastic spacing washers to make up the difference. Re confirm the 23 3/8" measurement from center. Then use the 5/16" x 1 1/4" bolts with a lock washer to install the plate.

Tighten down all 4 base plate bolts.

Repeat on the other side.



Figure 2.7.1



Figure 2.7.2

Note: The zinc plated washers have been replaced by 1/4" plastic spacers for ease of installation. We include 4 - 1/4" and 4-3/8" plastic washers with every SMARTBOXX



- 2.8 Locking left side assembly in to place.

In the previous step the base plates were tightened to the bed of the truck box, however the 2 carriage bolts attaching the bearing angles to the base plate were only hand tightened.

On the left side once again re confirm the 23 3/8" measurement from the center to the white plastic make any fine adjustments as necessary and tighten the bearing angle to the base plate.



Figure 2.8



STEP 2: Install The SMARTBOXX Into Your Truck.

- 2.9 On the right side remove the bearing angles from the base plate as shown in figure x.



Figure 2.9

- 2.10 Place the SMARTBOXX in your truck bed. Ensure that the white bearing guide on the left side assembly is touching the side of the SMARTBOXX and that the SMARTBOXX is sitting squarely in your truck bed. See figure 2.10.1.

On the right side, re attach the bearing angle assembly to the base plate. Slide / tap the bearing angles against the side of the SMARTBOXX and tighten the bearing angles to the base plate. Figure 2.10.2



Figure 2.10.1



Figure 2.10.2

- 2.11 Loosen the forward rubber bumpers on each side of the SMARTBOXX and move as far forward as possible.



Figure 2.11



STEP 2: Install The SMARTBOXX Into Your Truck.

2.12 Align the SMARTBOXX so that it is square in the truck bed.

Pull the SMARTBOXX out. In some cases (Toyota Trucks) the back bumpers may interfere with the wheel wells. In such cases the bumpers can be trimmed $\frac{1}{4}$ " each so that they will clear the wheel wells.

Pull the SMARTBOXX in and out and observe the bearing angles move up and down. Stop where the bearing angles reach their highest point. This will usually occur as the SMARTBOXX is climbing over the tailgate. At this highest point tighten the top bearing angle bolts.

Repeat on both sides.



Figure 2.12

Bearing Angle At Highest Point

2.13 Align the two front tailgate stops so that they are not going into a depression on the tailgate and tighten. See figure 2.13.



Figure 2.13

2.14 Pull the SMARTBOXX so it is 1-2" past the end of the truck bed.

Then gently close the tailgate. Then gently re-open the tailgate.

Without moving the SMARTBOXX loosen the front bumpers and position them up to the stop assembly. Ensure both rubber bumpers are tight.

Your SMARTBOXX is now installed.



Figure 2.14