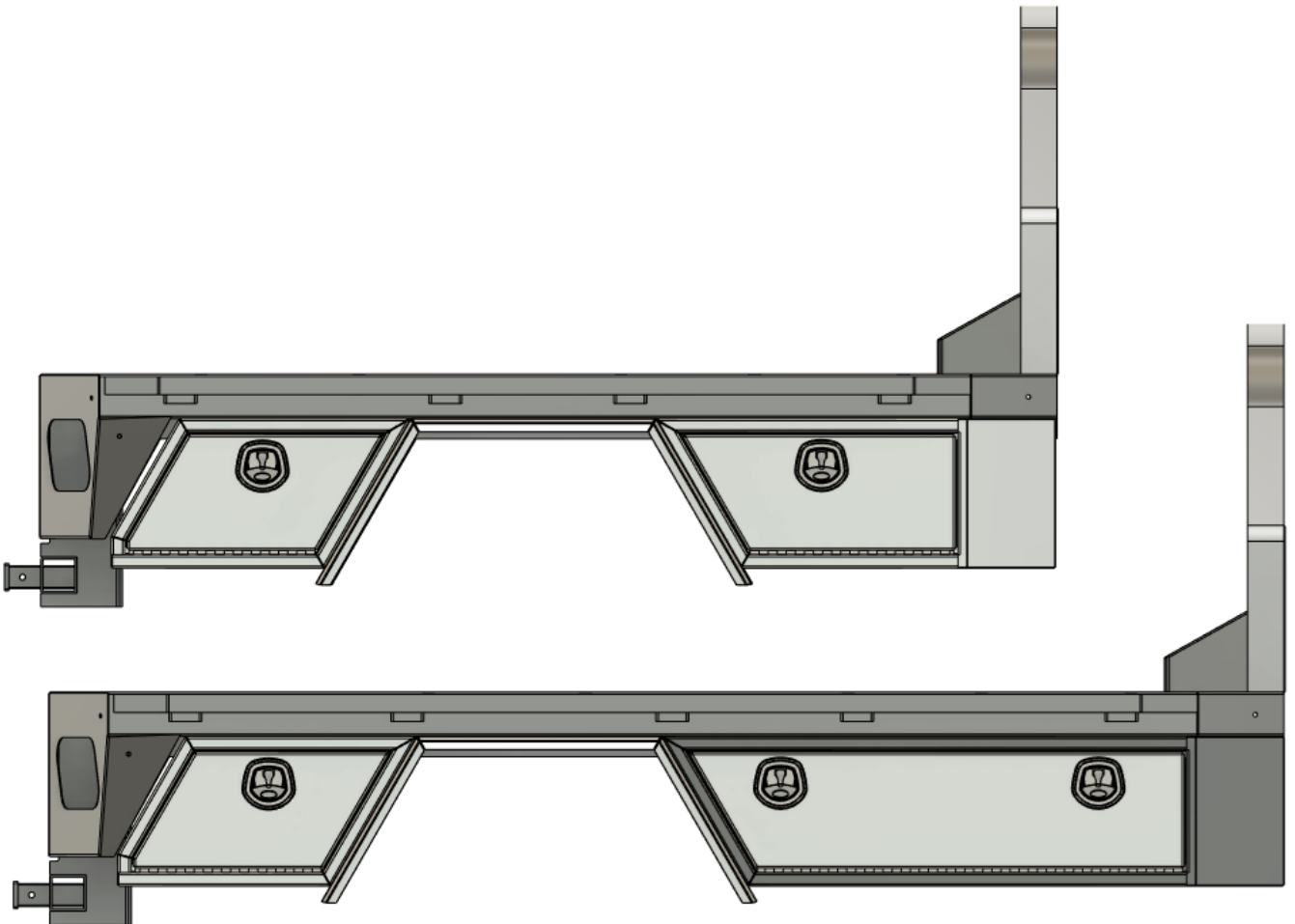




# Lower Box installation Instructions

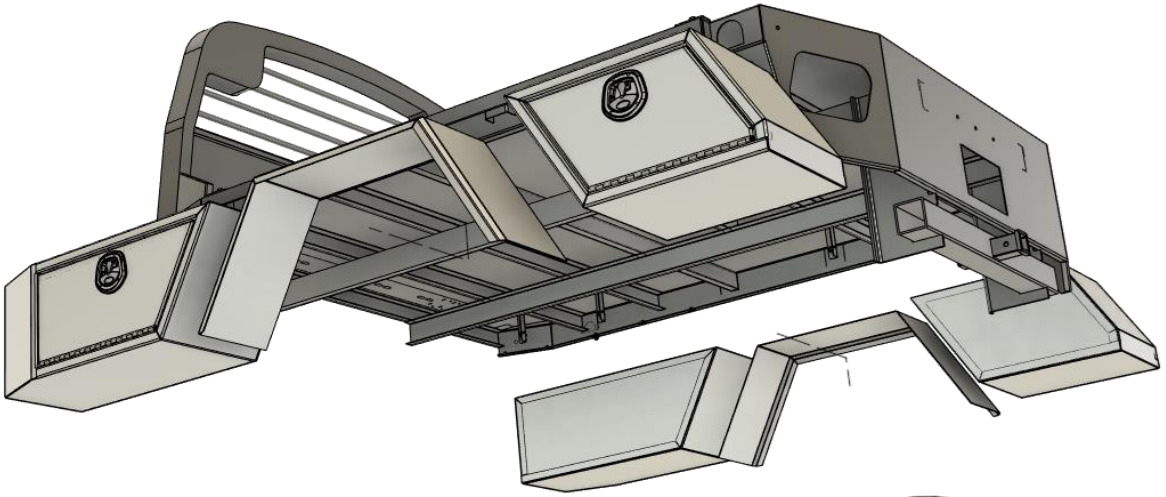
These instructions cover both 9'4" (60CA) and 11'4" (84 CA) bed installs



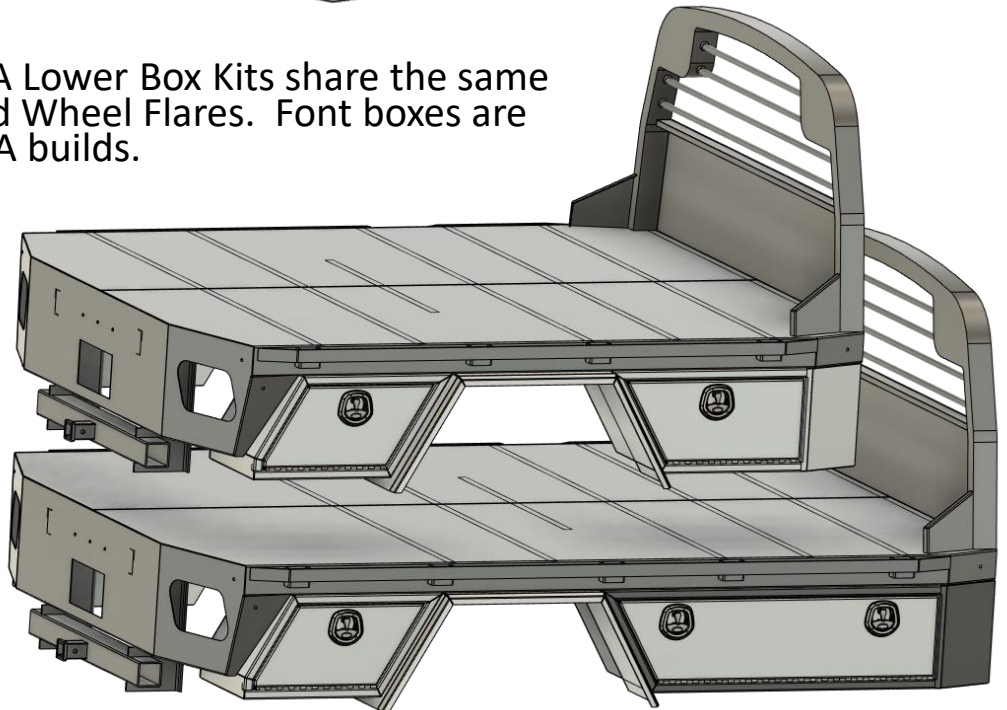
# Components and Hardware

Lower Box kits include the following major components:

- Front Boxes (road and curb side)
- Rear Boxes (road and curb side)
- Wheel Flares (quantity 2)
- Installation Kit (optional)



84CA and 60CA Lower Box Kits share the same Rear Boxes and Wheel Flares. Front boxes are longer for 84CA builds.



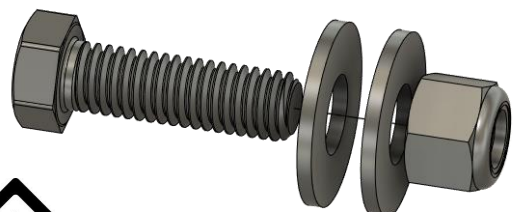
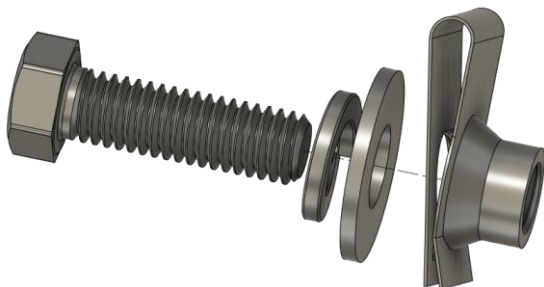
# Installation Kit Bill of Material

Bill of material shown for full kit.

Item	60CA QTY	84CA QTY	Description
	38	40	3/8-16 x 1.25 Hex Bolt
	58	60	3/8 Flat Washer
	18	20	3/8 Split Washer
	20	20	3/8-16 Lock Nut
	18	20	3/8-16 Clip Barrel Nut
	2	2	Drill Bits (Pilot and Clearance)
	8	8	Rear Mounting Straps
	Rolled	Rolled	Rubber Liner
	1	1	Installation Guide

Hardware ASM with Barrel Nut

Hardware ASM with Lock Nut



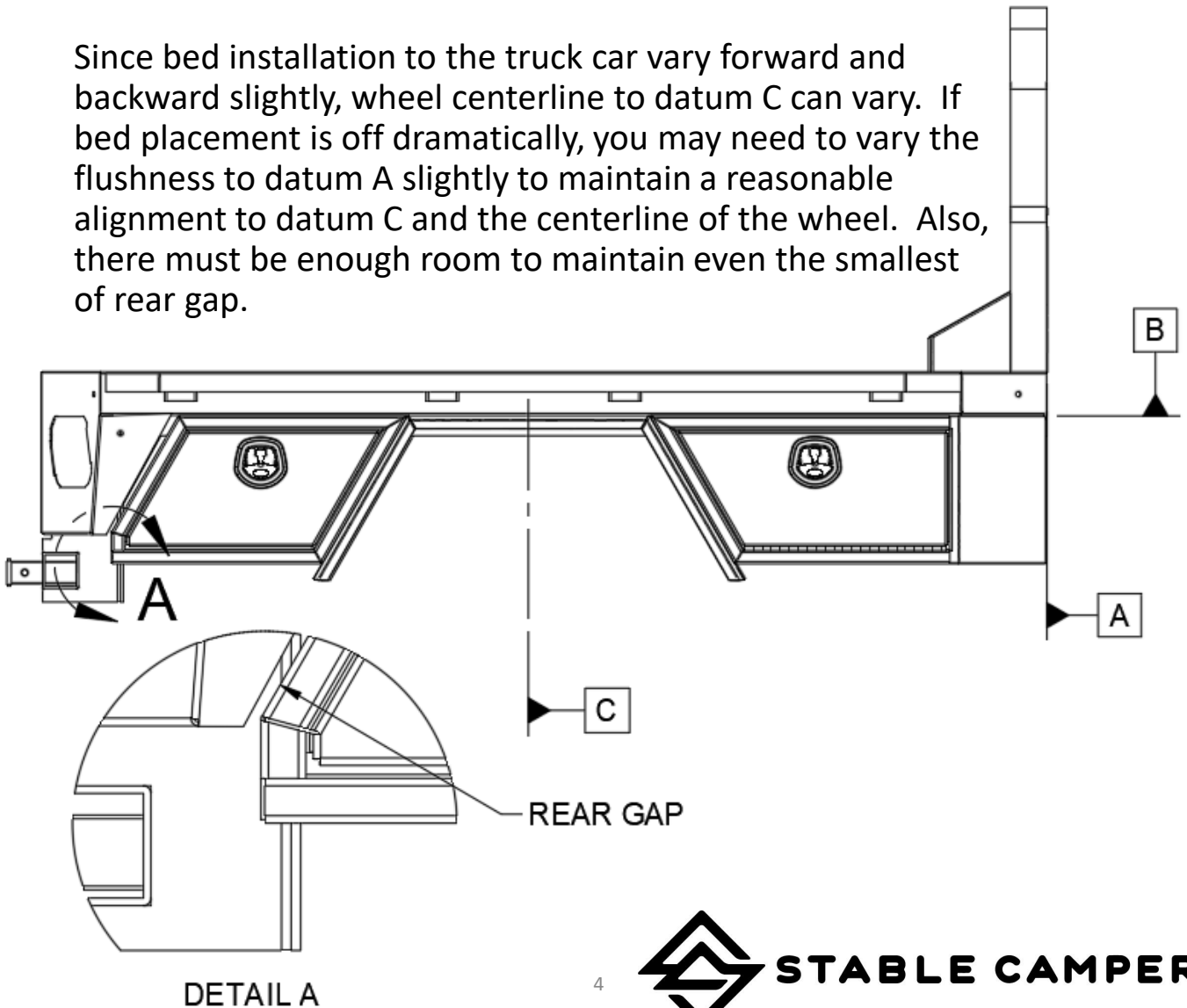
# Installation and Design Intent

## READ AND UNDERSTAND BEFORE INSTALLATION

In an ideal world, everything would be exact and there would be no need for tolerance or adjustment. We however live outside that realm and must account for not everything being perfect.

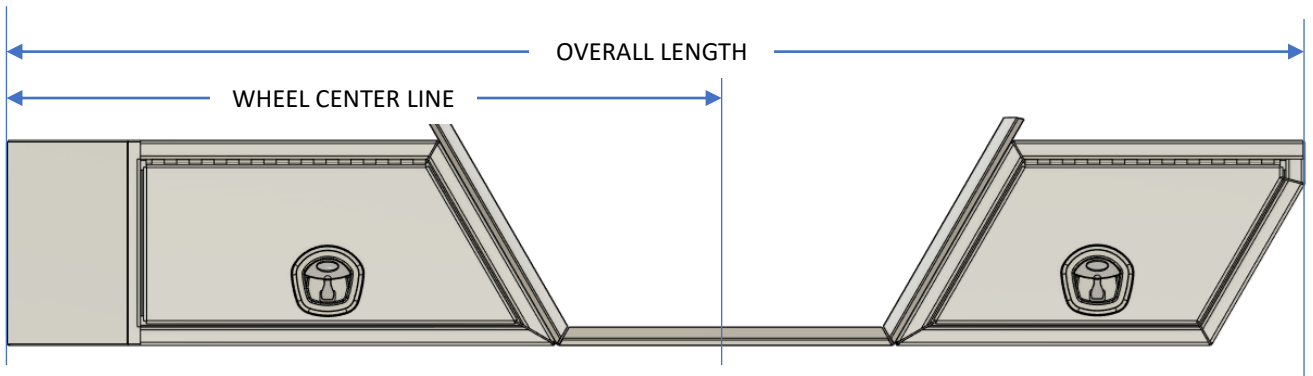
This box set is designed sit flush to datum A (front of the bed) and mounted to datum B (bottom of the formed bed deck). In this case, datum C (middle of the Wheel Flare) would be aligned with the wheel centerline of the truck and the resulting REAR GAP would be minimal.

Since bed installation to the truck car vary forward and backward slightly, wheel centerline to datum C can vary. If bed placement is off dramatically, you may need to vary the flushness to datum A slightly to maintain a reasonable alignment to datum C and the centerline of the wheel. Also, there must be enough room to maintain even the smallest of rear gap.



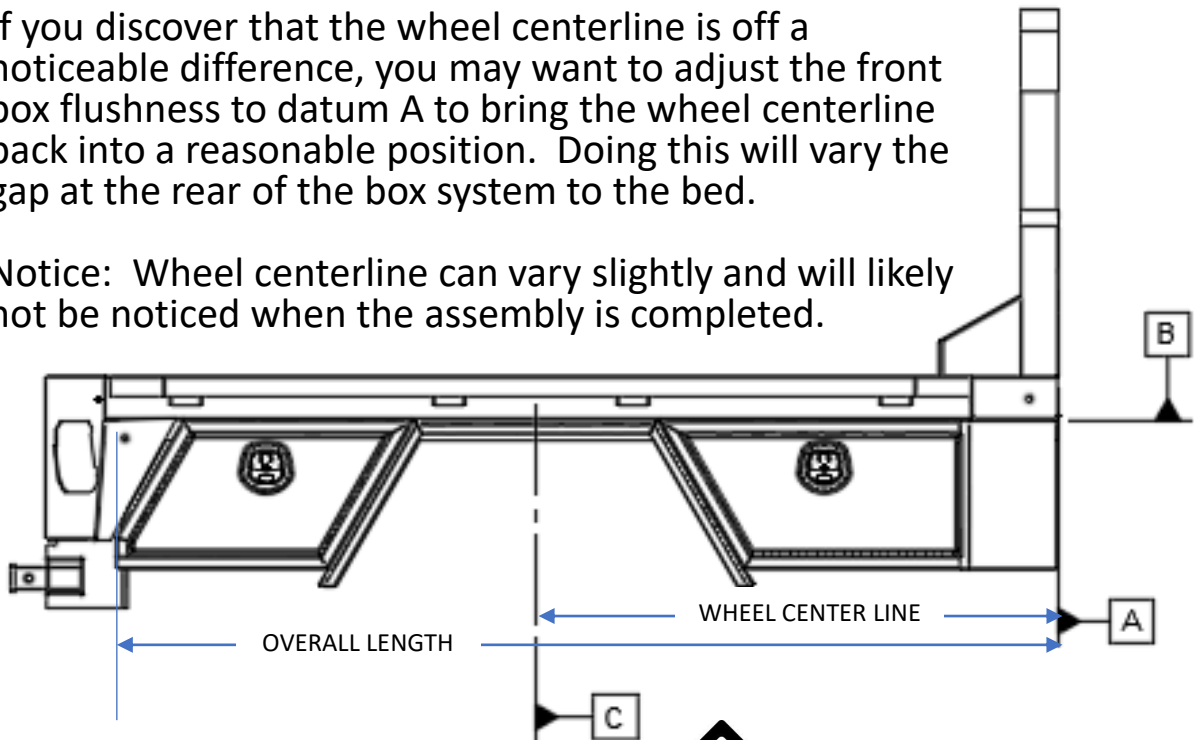
# Measuring Fit

The easiest way to test measure and fit boxes is to assembly the boxes upside down as shown in the image below. Boxes can be assembled on the floor as show for measurements. The two measurements we want to verify is the wheel centerline relative to the face of the front box and face of the bed. The other measurement is the overall length measurement to ensure fit within the rear bed gusset.



If you discover that the wheel centerline is off a noticeable difference, you may want to adjust the front box flushness to datum A to bring the wheel centerline back into a reasonable position. Doing this will vary the gap at the rear of the box system to the bed.

Notice: Wheel centerline can vary slightly and will likely not be noticed when the assembly is completed.



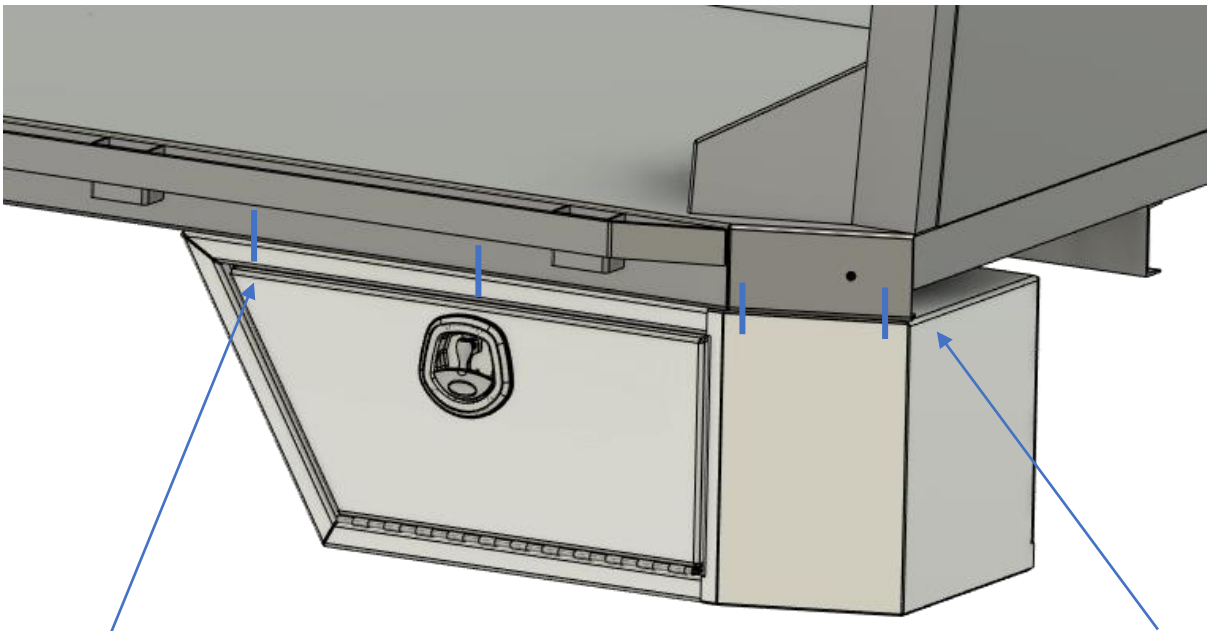
# Installation

Step 1: Installation of the front box.

**NOTICE:** We prefer to install one complete side at a time. This way if you learn of any changes to the procedure, you can transfer that to side two.

Raise the box up to the bed and mark a vertical line where you plan to drill for the mounting hardware.

(4 bolts for 60CA and 5 bolts for 84CA front boxes)



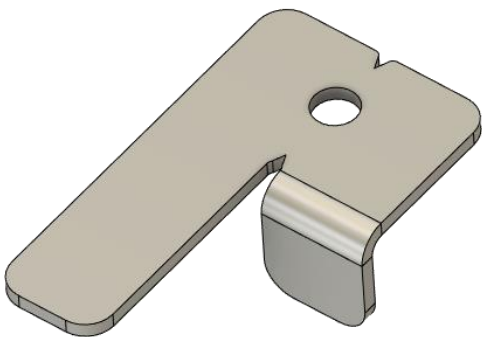
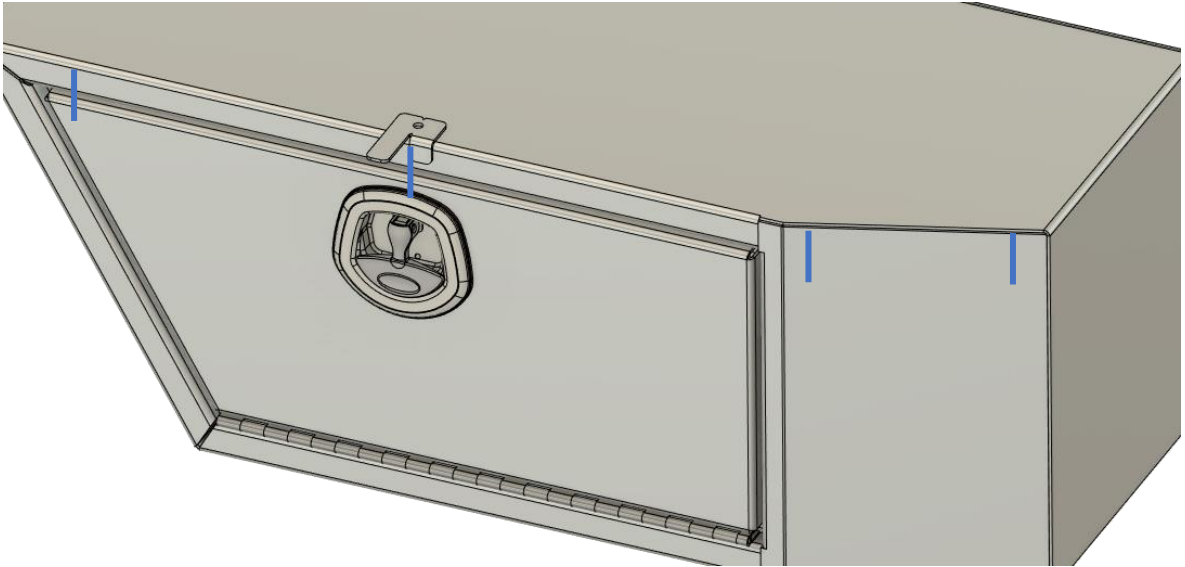
Take into account any offset you may need on the face of the bed and front box.

**NOTICE:** Take note on your bolt locations where you may have an angled wall or other obstruction that may cause difficulty in getting hardware and tools in place.

# Installation

## Step 1: Installation of the front box.

With the box removed from the bed, use the drill guide to locate and drill holes at each of the marked locations



The drill guide offers both place from leading edge and groves to align with your marked lines.

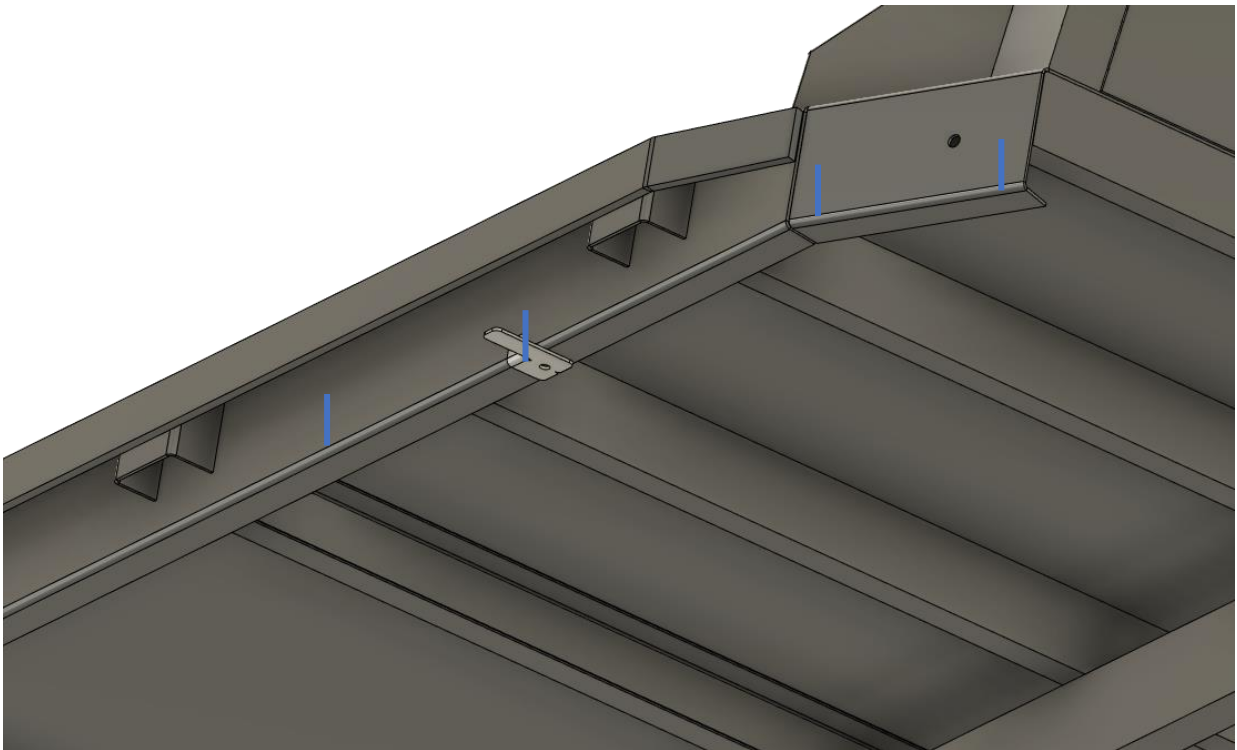
Using a punch and hammer to mark holes will help to reduce drill walk during the hole making process

**NOTICE:** A 1/2-inch drill bit is supplied in the kit. This drill is quite large for 3/8-inch bolts. These larger holes aid in the easy of the assembly process. You may use a smaller drill bit if you desire.

# Installation

Step 1: Installation of the front box.

Perform the same drilling task on the underside bed rail.

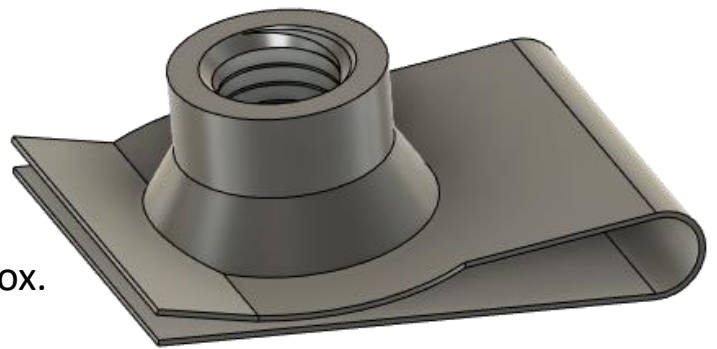


**NOTICE:** On the Diamond plate steel beds, drill bit walk can be difficult. If diamonds cause too much trouble in the drilling process, they can be ground flat if needed.

**NOTICE:** On bare metal surfaces, we recommend application of paint or sealant to help protect the metal.

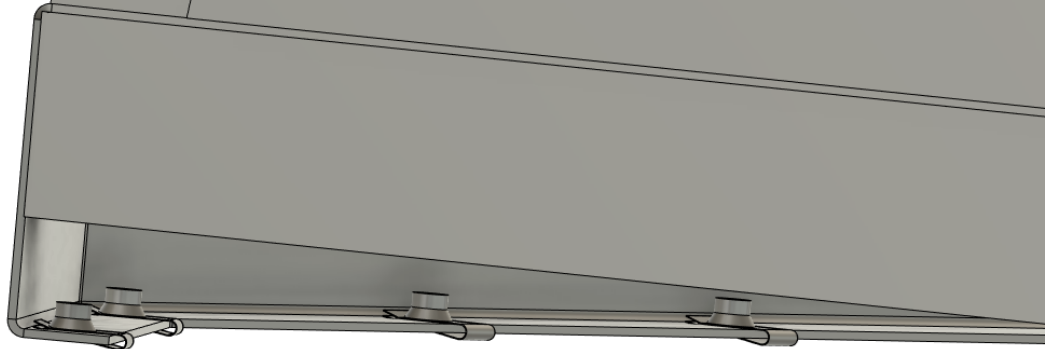


# Installation



Step 1: Installation of the front box.

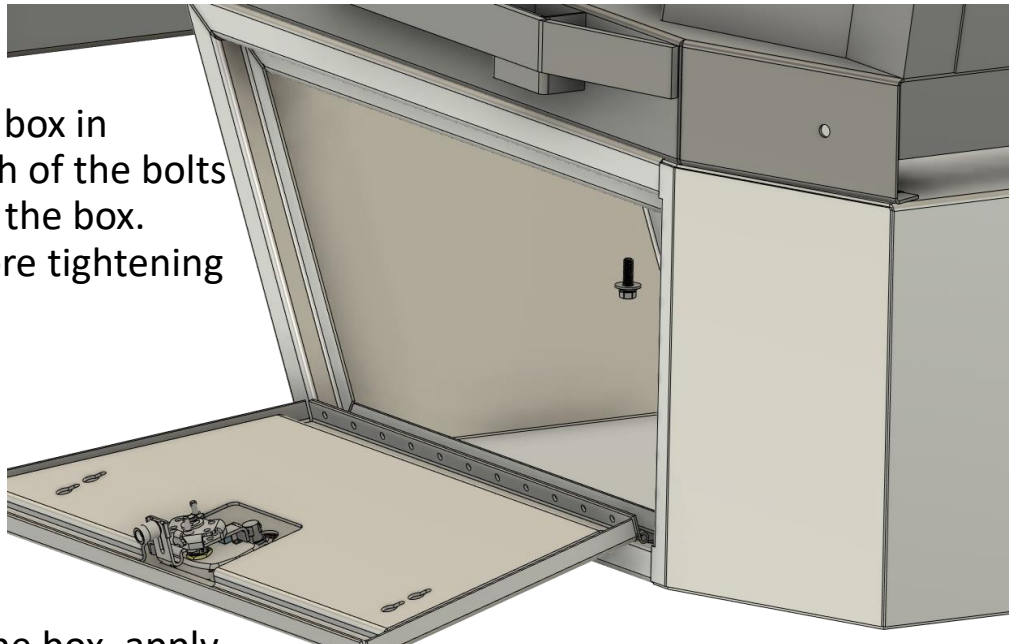
Add the barrel nuts aligned over the holes drilled into the bed.



**NOTICE:** Barrel nuts can be a little stiff and may require a little hammering to install.

It's also recommended to run a bolt through the assembled barrel nut to ensure bolts spin freely in the threads.

While holding the box in position, start each of the bolts from the inside of the box. Start all bolts before tightening each of them.

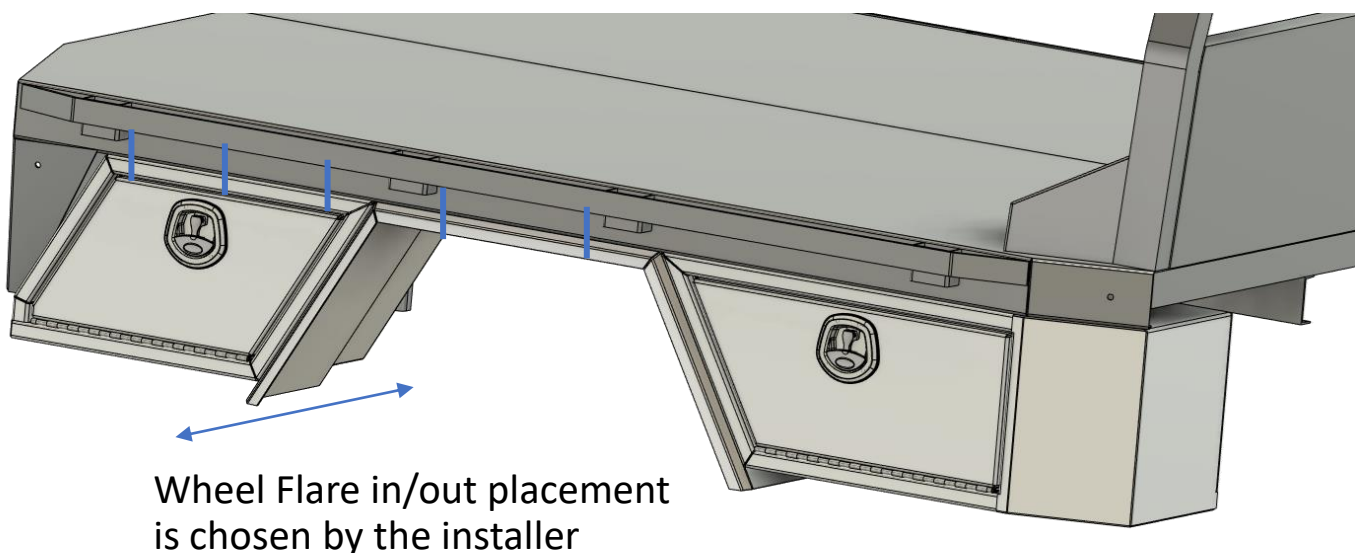


Before installing the box, apply the rubber between the box and bed.

# Installation

## Step 2: Installation of the Wheel Flare and Rear Box.

Align the Wheel Flare and Rear box repeating the same tasks in step 1 of the installation of the front box.



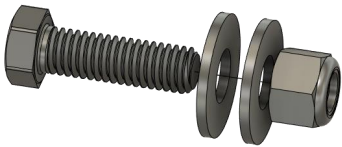
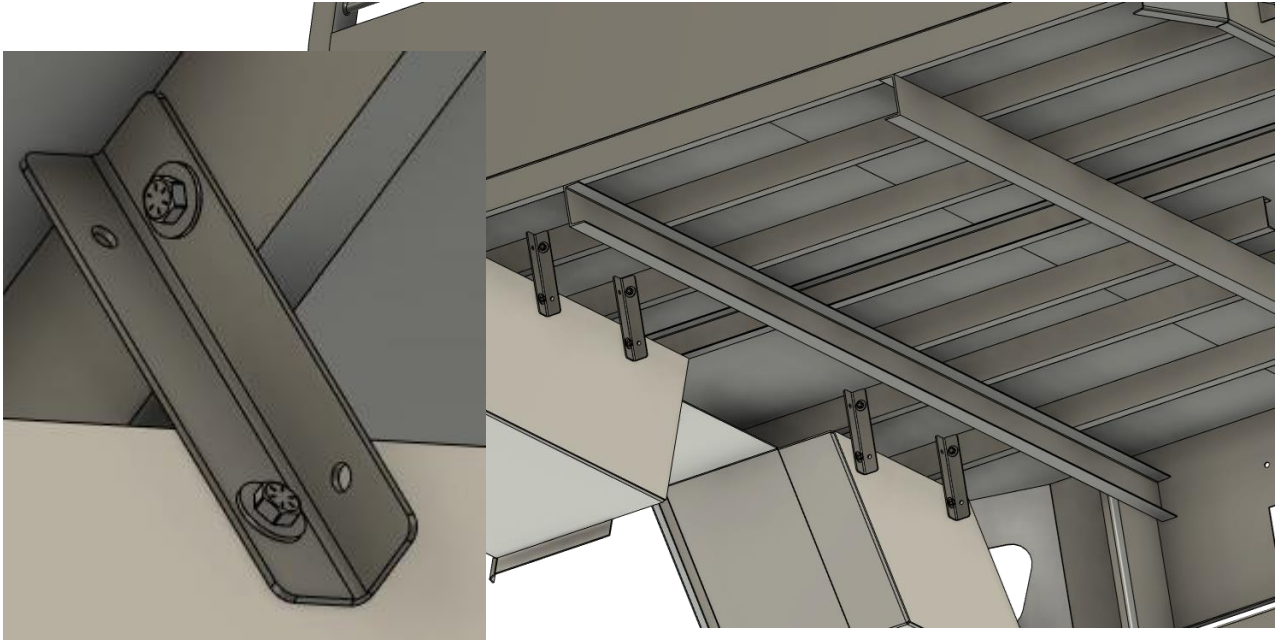
Now with all the front bolts installed and tightened on the Front, Rear, and Wheel Flare. Next Step is to install the rear supports.

For this step, you'll want to check the squareness of the lower boxes to the bed itself. A floor jack or scrap of wood can be used to help hold the lower boxes into position.

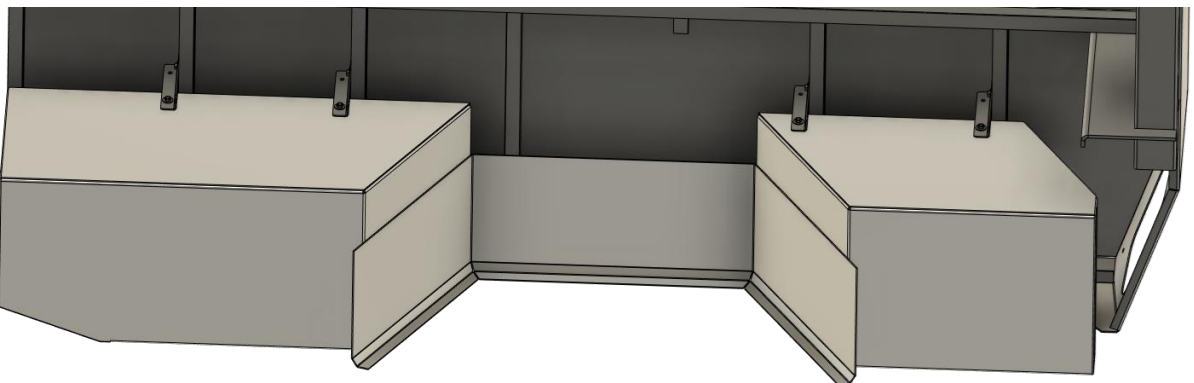
# Installation

Step 3: Installation of the rear support straps.

With the front and rear boxes held into squareness with the bed, drill and mount the rear mounting straps to the bed cross members.



Use the bolts, washers, and lock nuts to fasten the rear straps to the bed and rear of the boxes.



Notice two cross members that align with the backside of each box.

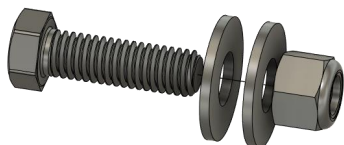
# Installation

Step 4: Secure the Wheel Flares to the Boxes.

In the final installation step, start by ensuring lower alignment of the wheel flare is aligned appropriately with the box edges. Positioning in/out of the flare is determined by the user's requirements based on tire size.



Drill and use the bolts, washers, and lock nuts to fasten the flares to the boxes.



# Installation

Repeat the procedures for the boxes on the other side and installation is complete.

