



# Instructions

## RR-1019 - RANGER BASE SYSTEM

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Thank you for purchasing your Ranger BASE System from AAL! We greatly appreciate your trust in our company. We take that purchase and your commitment to us very seriously. If you have any questions along the way, please don't hesitate to give us a call at 385.202.4188.

**\*\*Please read these instructions thoroughly before starting this project.\*\***  
**\*\*These instructions will cover the assembly of the individual rails as well as the installation of the rails.\*\***

### Tools Required:

There is more than one tool for every job, but below is the list of tools we use for this install.

- TP40 Torx+ Socket
- M5 Allen Wrench/Socket
- M4 Allen Wrench/Socket
- 13mm Wrench
- 10mm Wrench
- Ratchet or Impact

### What's included:

#### Front Rail Only

M8x16mm Button Head Bolts	4	M8 Nylock Nuts	4
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#### Rear Rails Only

#### Packaged Individually (Qtys shown for 1 rail.)

M8x16mm Button Head Bolts	4	M8 Nylock Nuts	4
M6x20mm Flat Head Bolts	2	M6x14 Button Head Flange Bolts	4
M6 Nylock Nuts	2	Aluminium Spacers	2

**\*\*Some hardware may not be used for your application.\*\***

## **Step 1 - Teardown and Prep**

Using a TP40 Torx+, remove the factory tie down cleats from the locations you will be installing the BASE rails. If you have a factory spray-in bedliner, it makes it easier to cut around the bolt head with a razor knife and peel the liner from the bolt head. These bolts are known for stripping out, so it is advised to break them loose with a ratchet before using any type of impact to remove them. Save the tie downs and hardware, as they can be reinstalled!

## **Step 2 - Assemble Applicable Rails**

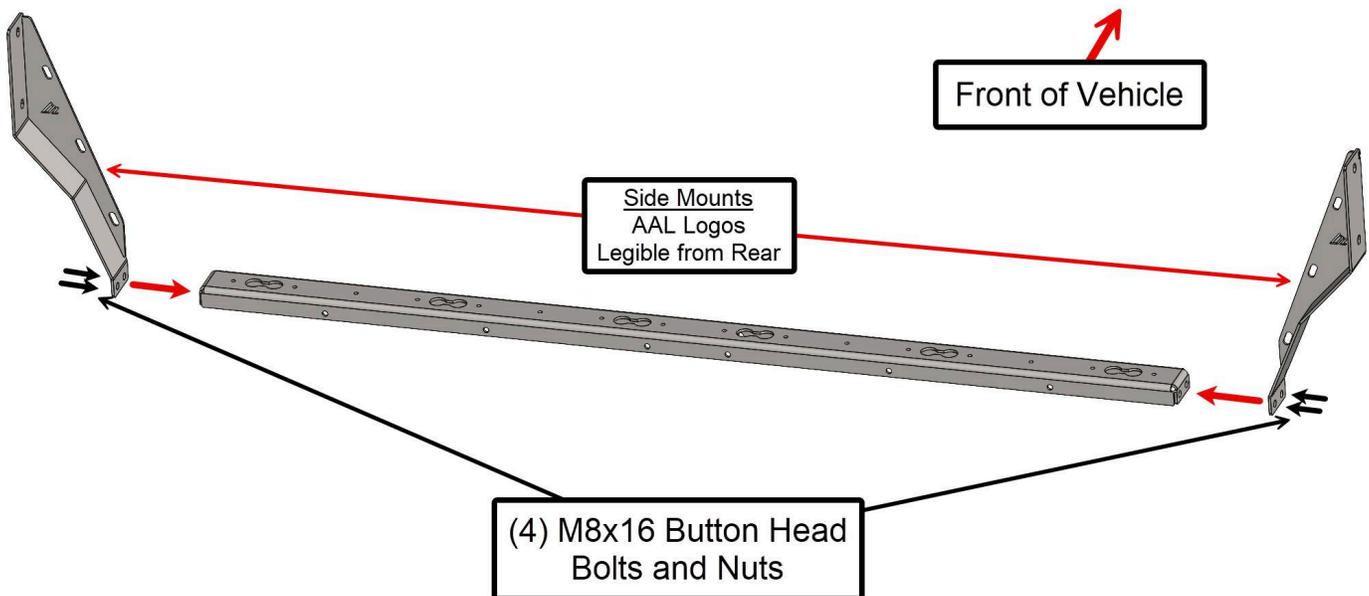
Now that everything has been removed, we can preassemble the rails.

**Note:** Only the Front and Rear rails will be preassembled, as the Center rail can be assembled in the vehicle.

### **Front Rail Assembly (if purchased)**

The Front Rail is made up of 3 pieces, the Left and Right side mounts, and the rail itself. Assemble the rail assembly as shown below. If you purchased all of the rails, this will be the shortest one. It is symmetrical, so you can't get it backwards, but take note of the AAL logo on the side mounts as they need to be legible from the rear of the vehicle. Use **Diagram 1** for assistance, and assemble the Front Rail.

**Diagram 1**



**NOTE - This should be a pretty straight forward assembly. Just make sure brackets are square and in plane with each other. Go ahead and tighten all (4) bolts, as you won't be able to get to them once the rail is installed in the truck!**



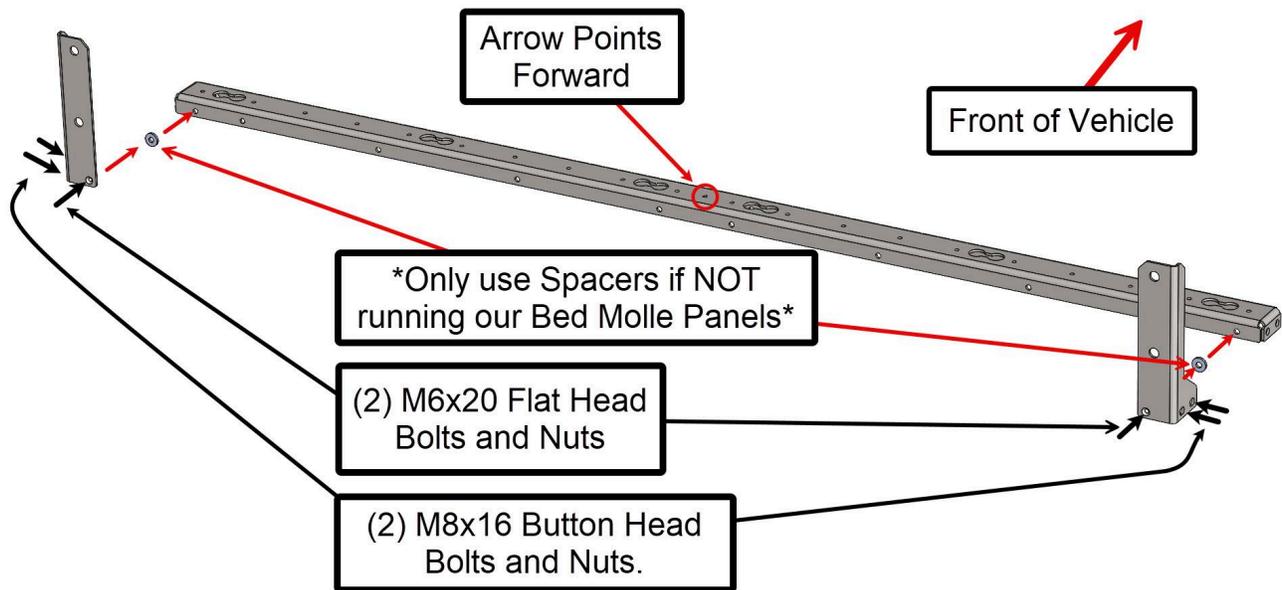
## **Center Rail Assembly (if purchased)**

In order to ease installation when also running our Ranger Bed Side Molle Panels, we designed this rail to assemble during installation into the vehicle.

## **Rear Rail Assembly (if purchased)**

The Rear Rail is also made up of 3 pieces, the Left and Right side mounts, and the rail itself. Assemble the rail assembly as shown below. If you purchased all of the rails, this will be the only one with a directional arrow in the center. It isn't symmetrical, so make sure you position it in a way that will point the arrow toward the front of the vehicle. Use **Diagram 2** for assistance, and assemble the Front Rail. **Note:** If you are running our Bed Side Molle panels, you will assemble this rail WITHOUT the aluminum spacers.

**Diagram 2**



**NOTE - This should be a pretty straight forward assembly. Just make sure brackets are square and in plane with each other. Go ahead and tighten all (4) bolts, as you won't be able to get to them once the rail is installed in the truck!**



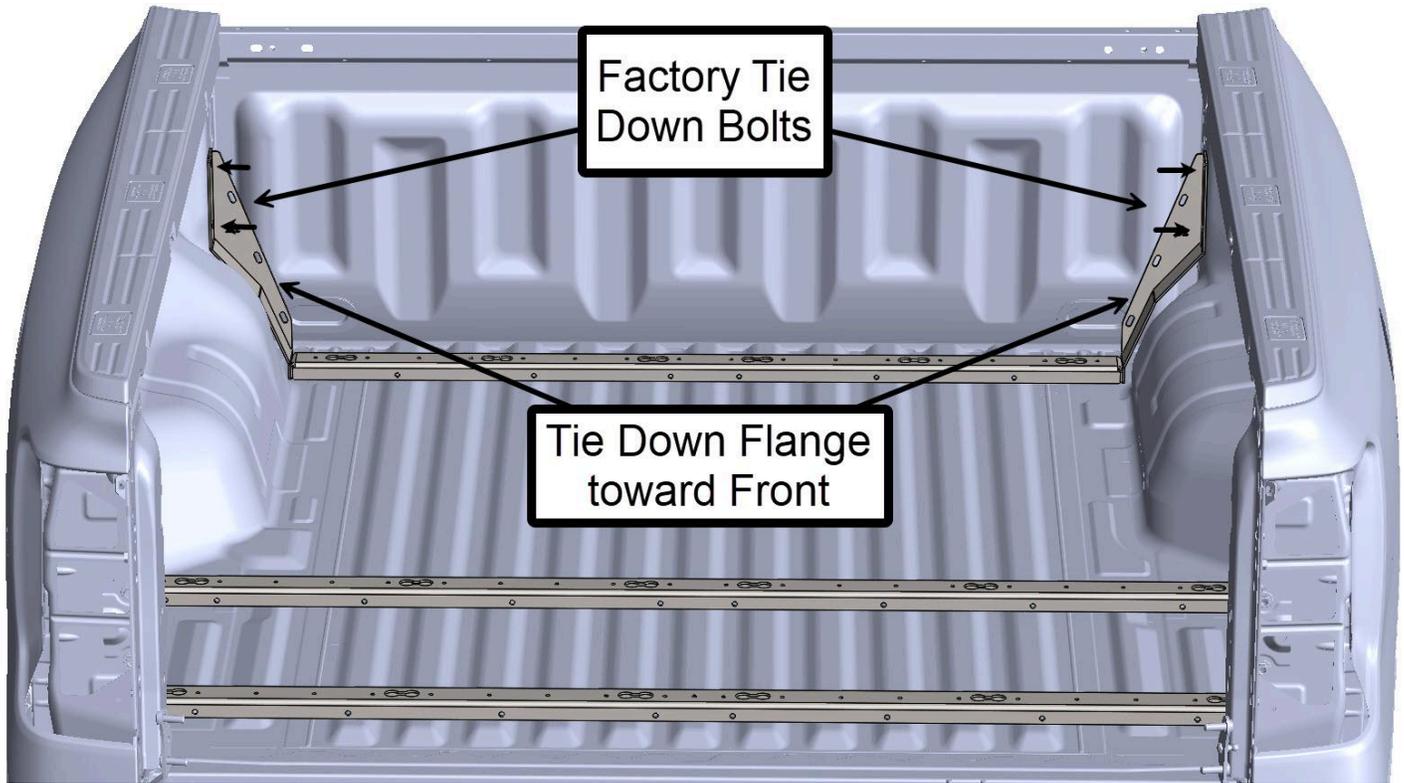
## **Step 2 - Install Rails into Vehicle**

This step will cover the installation of all (3) rails. If you didn't purchase the whole set, use the steps below to install the appropriate rails.

### **Front Rail Installation**

Bring the Front Rail into the bed as shown in **Diagram 3** and install using the factory tie down bolts, making sure to orient the rail where the AAL logo is legible from the rear of the vehicle. **Note:** The original tie downs CAN be reused.

**Diagram 3**

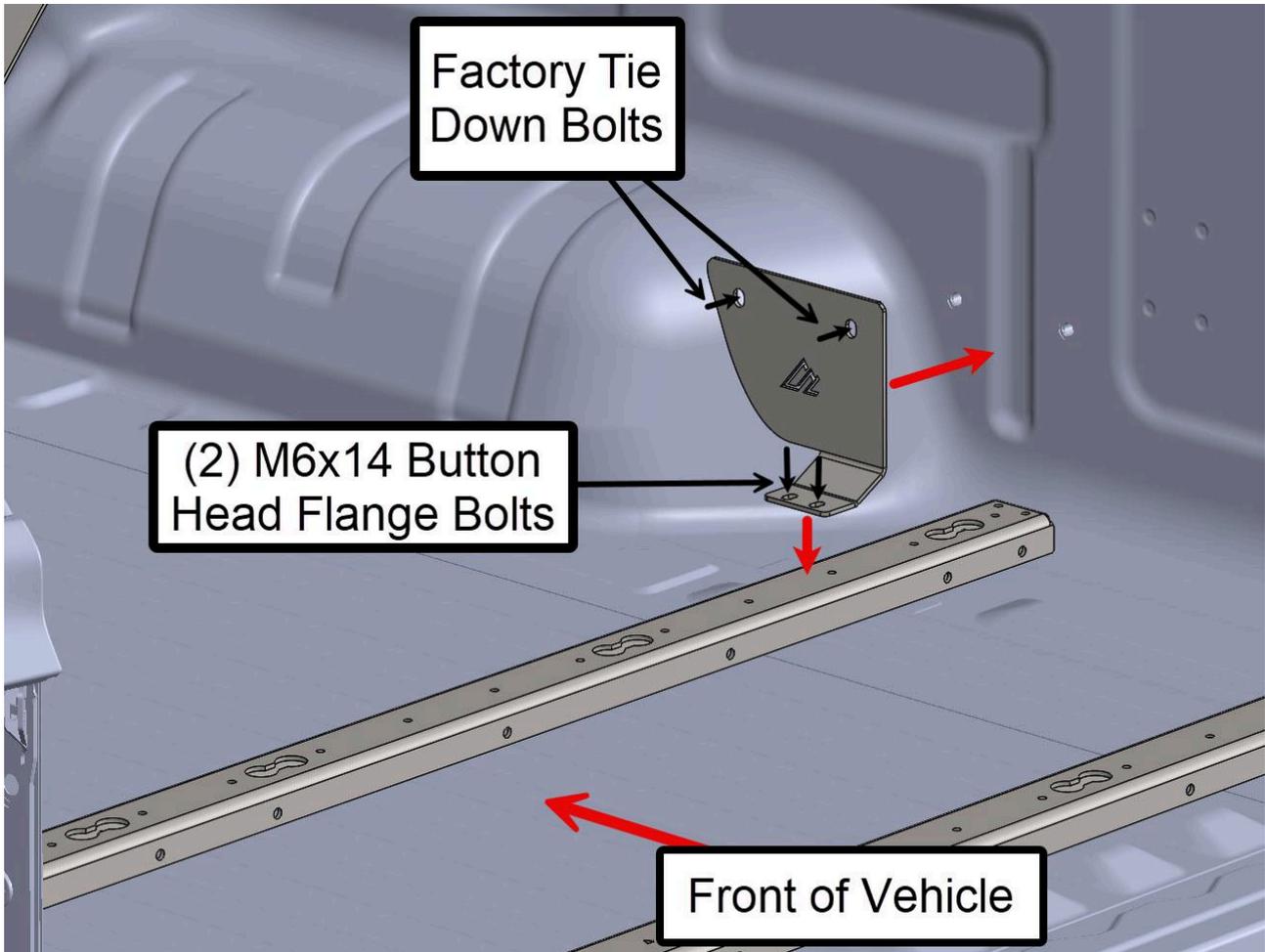


## Center Rail Installation

Bring the Center Rail components into the bed as shown in **Diagram 4** and install using the factory tie down bolts. It is symmetrical, so you can't get it backwards, but take note of the shape of the side mounts as the longer side needs to be positioned toward the front of the vehicle with the bent flange turning inward. Install the center rail with the called out hardware and tighten. The original tie downs CAN be reused.

**Note:** If you are running our Bed Side Molle panels, the side brackets will install over the top of the Molle Panels.

**Diagram 4**

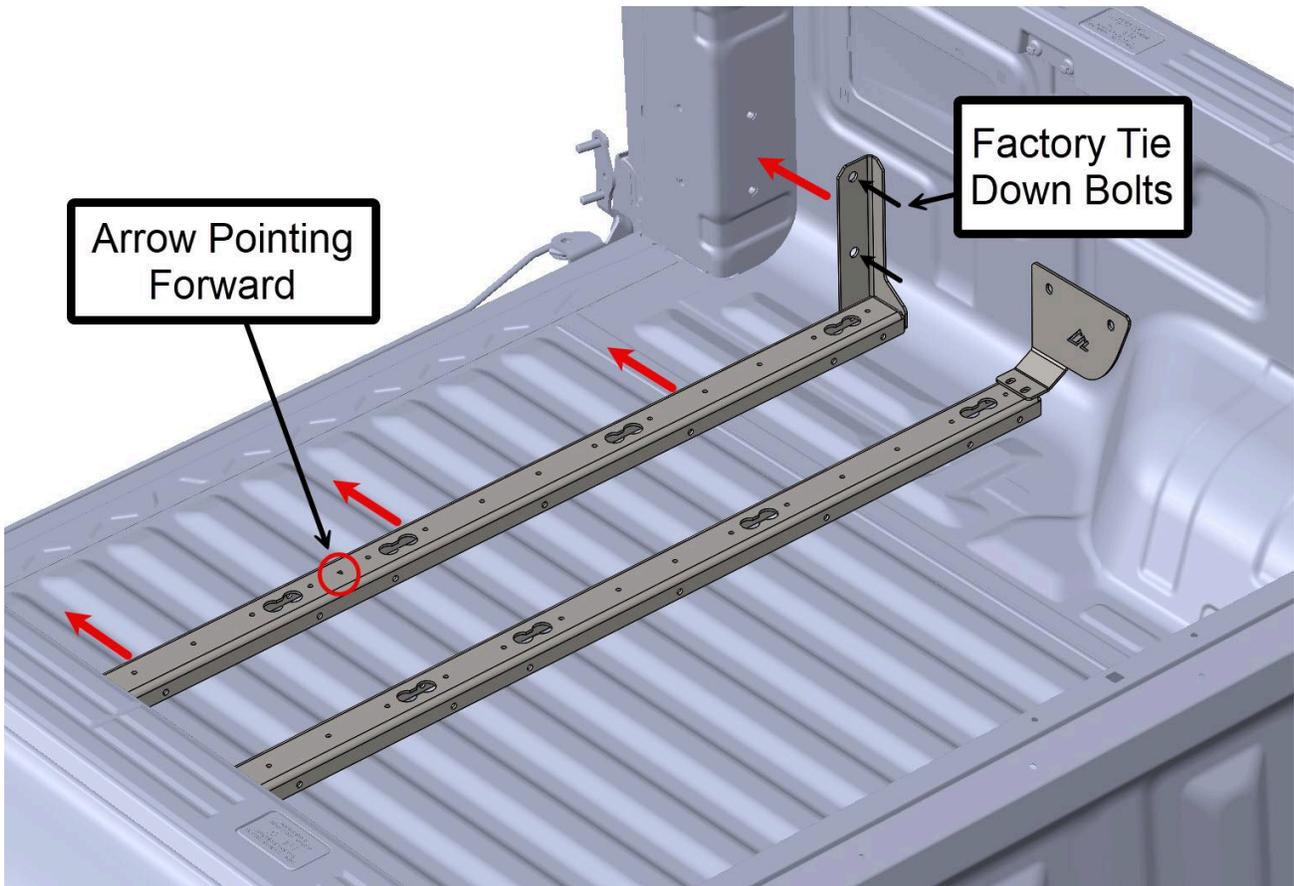


## Rear Rail Installation

Bring the Rear Rail into the bed as shown in **Diagram 5** and install using the factory tie down bolts. It isn't symmetrical, so make sure you position it in a way that will point the arrow toward the front of the vehicle, and install it using the original tie down hardware. The original tie downs CAN be reused.

**Note:** If you are running our Bed Side Molle panels, the side brackets will install over the top of the Molle Panels.

**Diagram 5**



## **Step 3: Share Your Photos**

We take great pride in building our products and we hope that pride extends to you after installing your Ranger BASE System. If you are able to share your photos online (Facebook and Instagram), please tag **@AmericanAdventureLab**. We would love to see how it turned out and give you some reciprocal attention in return!

**Congrats! You're all done!**

**Thank you!**

**At American Adventure Lab, we strive to improve anywhere we can. If you experience any issues with this product or have any suggestions, please let us know.**

**If you have any questions or concerns, please don't hesitate to reach out to us at 385.202.4188 or via email at [Support@erp.adventurelab.com](mailto:Support@erp.adventurelab.com).**

