MAXIMUS-3

FORD BRONCO & BRONCO RAPTOR

FRONT RECOVERY/TOW LOOPS

(Fits Factory Modular Steel Bumper & the Capable Bumper)

PART #: BR1025TL

INSTALLATION GUIDES

Installation Time: 2 Hours **Installation Difficulty Level:** Easy

PLEASE MAKE SURE YOU READ AND UNDERSTAND THE ENTIRE INSTALLATION GUIDE BEFORE YOU START. WE EXPECT YOU TO HAVE BASIC MECHANICAL ABILITIES TO PERFORM THIS INSTALLATION.

WE RECOMMEND THAT YOU SEPARATE AND IDENTIFY ALL THE PARTS AND HARDWARE KITS YOU RECEIVED WITH YOUR SHIPMENT BEFORE YOU PROCEED.



IMPORTANT

Follow these instructions precisely. Maximus-3 is not liable for any damage caused by improperly installed products. It is the purchaser's responsibility to ensure both the installation and maintenance are performed properly as set forth in this guide. We recommend using anti-seize paste on all non-thread lock bolts.

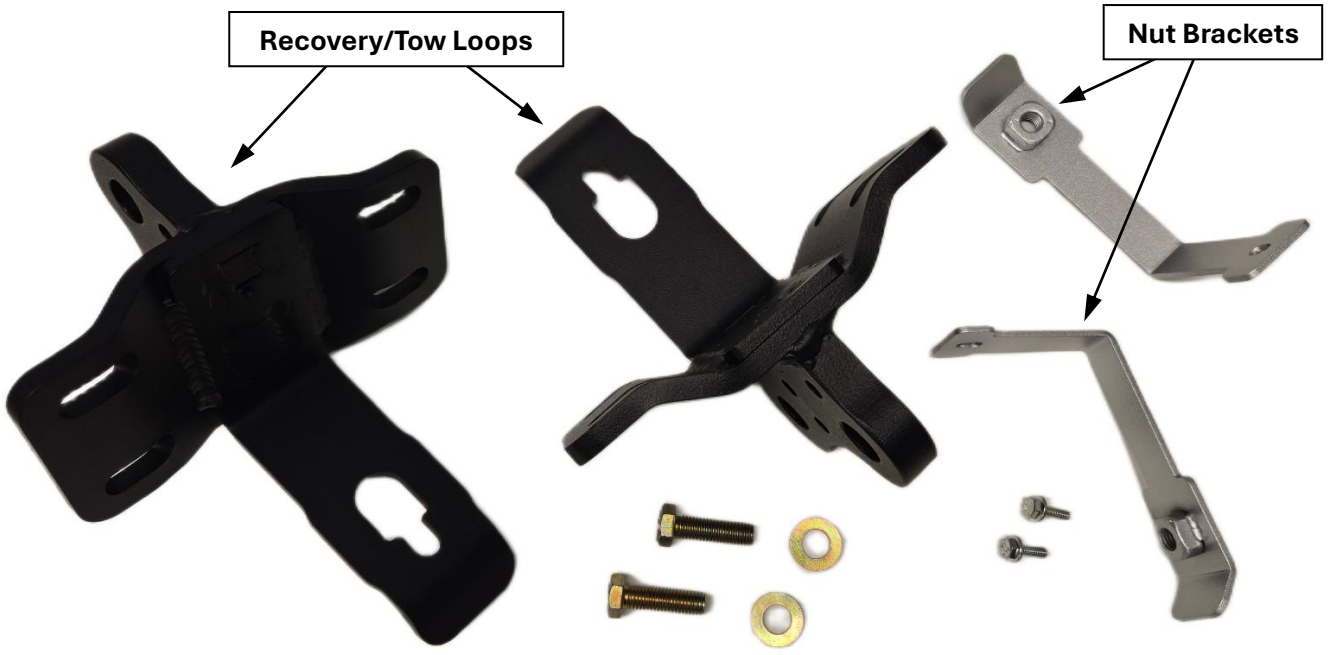
Parts List:	**Qty**
Recovery/Tow Loops	2
Nut Bracket	2
Optional Parts:	
Frame Horn Bracket Inner – L	1
Frame Horn Bracket Inner – R	1
Frame Horn Bracket Outer – L	1
Frame Horn Bracket Outer – R	

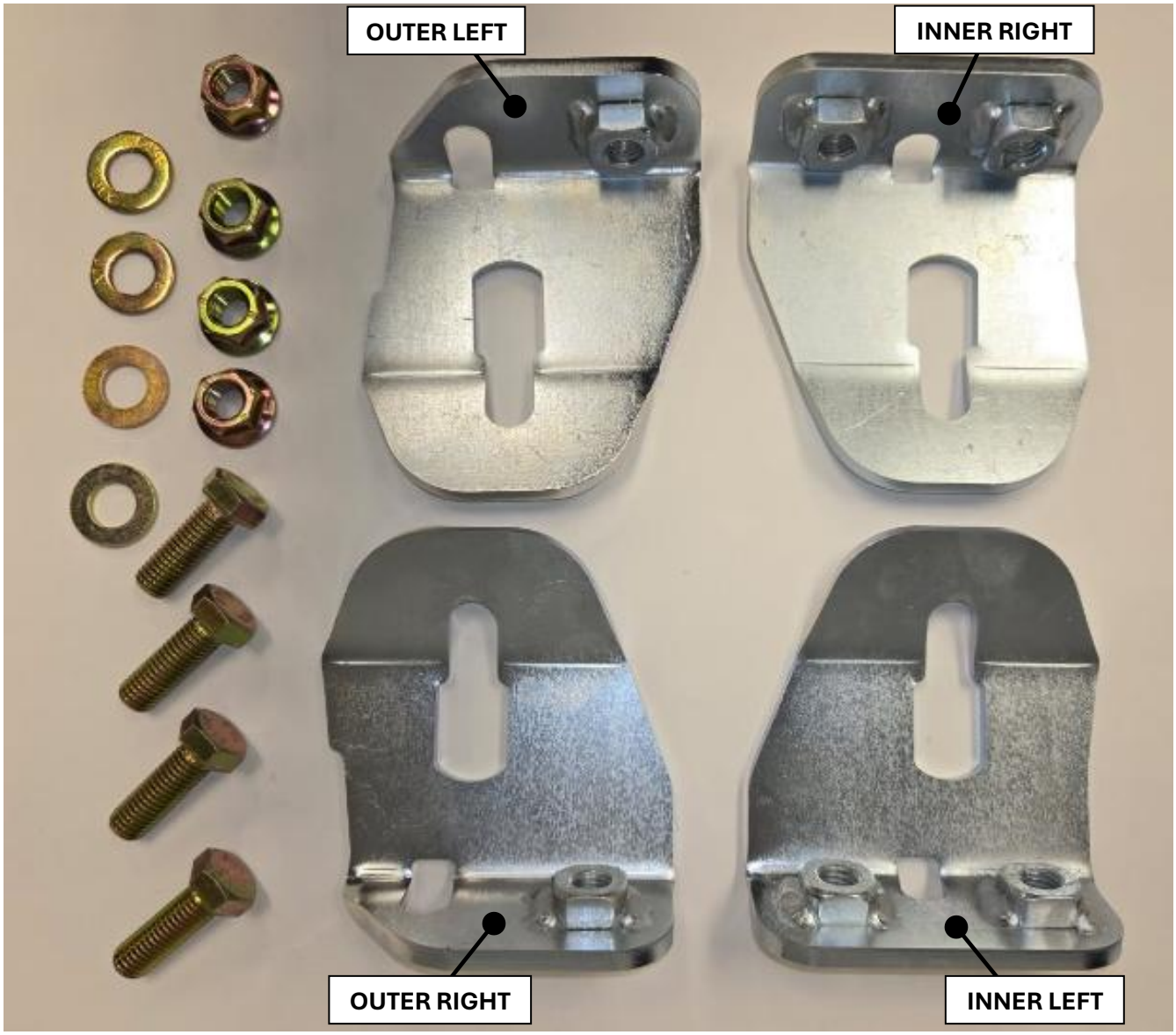
Hardware List:

M12 x 40 Hex Bolts	2
M12 Flat Washers	2
Optional Hardware:	
M12 Hex Bolts	4
M12 Serrated Flange Nuts	4
M12 Flat Washers	4

Tools Required:

- ✓ Basic hand tools
- ✓ Metric sockets/wrenches
- ✓ Electric drill
- ✓ Drill bits (9/16”, ¼” pilot)





INSTALLATION STEPS

If you have frame horn reinforcement brackets already installed on your vehicle, **skip to step 2.**

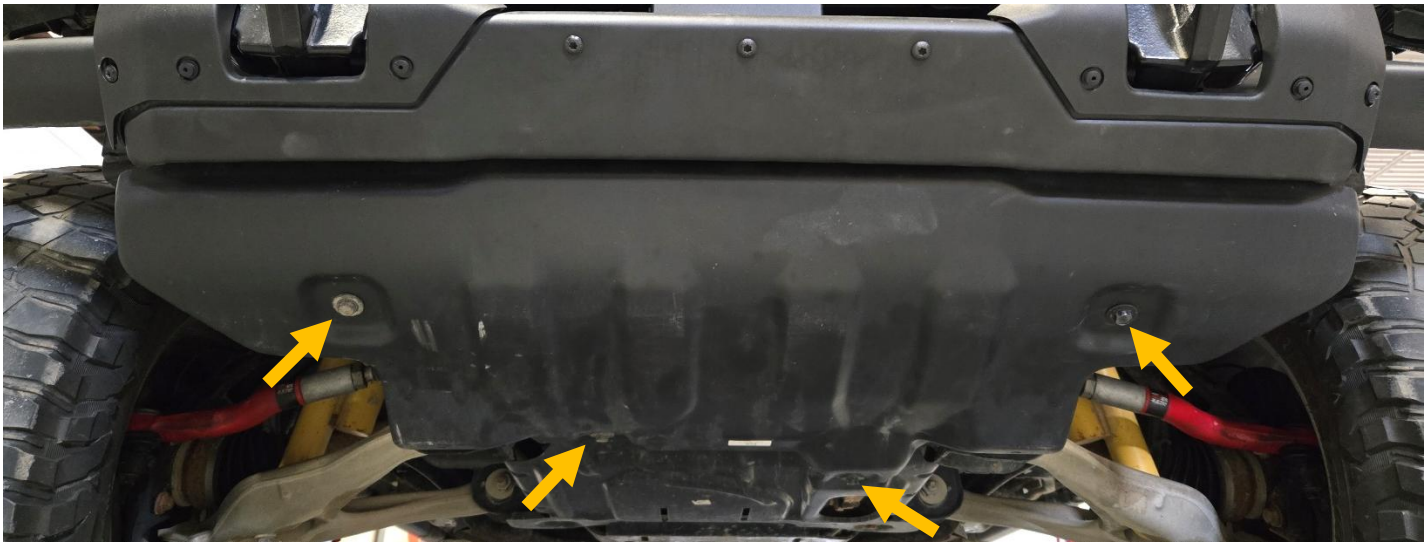
STEP 1: Install Maximus-3 Frame Horn Reinforcement Brackets

A. **Remove the skid plate** using a 15mm Socket. Save all the factory bolts for reinstallation later.

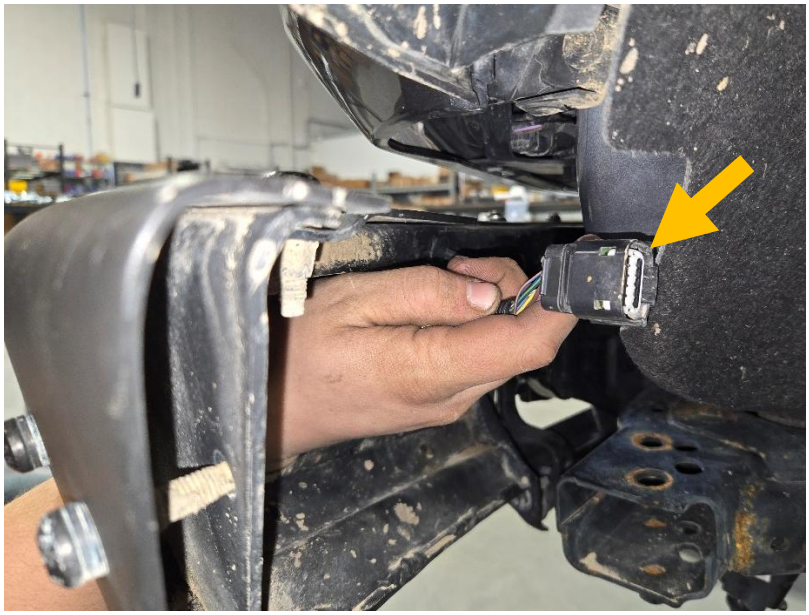
B. **Disconnect the main wiring harness** located behind the bumper on the driver side.

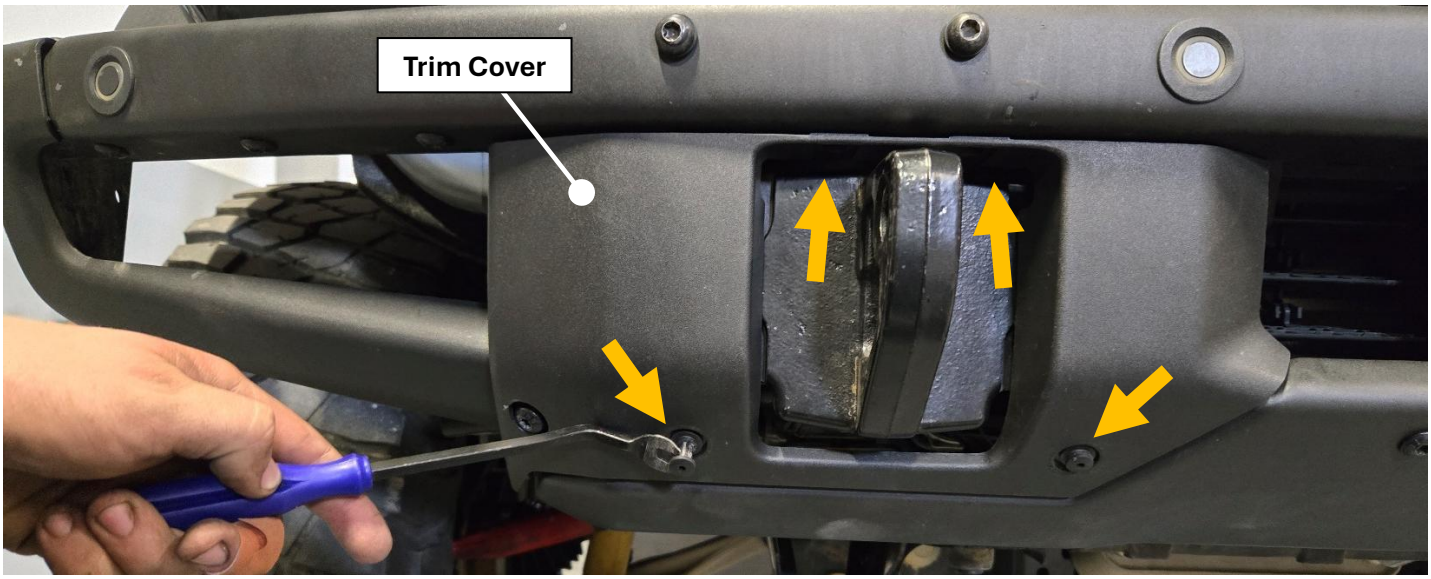
C. **Remove plastic trim covers** from each side of the bumper.

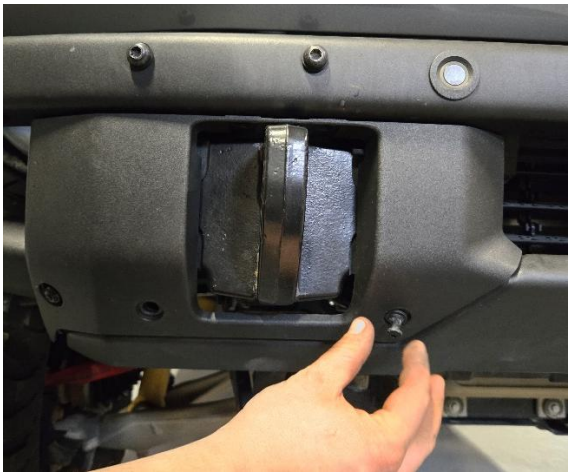
- For factory modular steel bumper, you need to remove four (4) clips from each side and then pull the covers off. Save all the factory clips for reuse later.
- For factory capable steel bumper, pull from the end/edge of the trim cover to pop the clips and remove the covers.

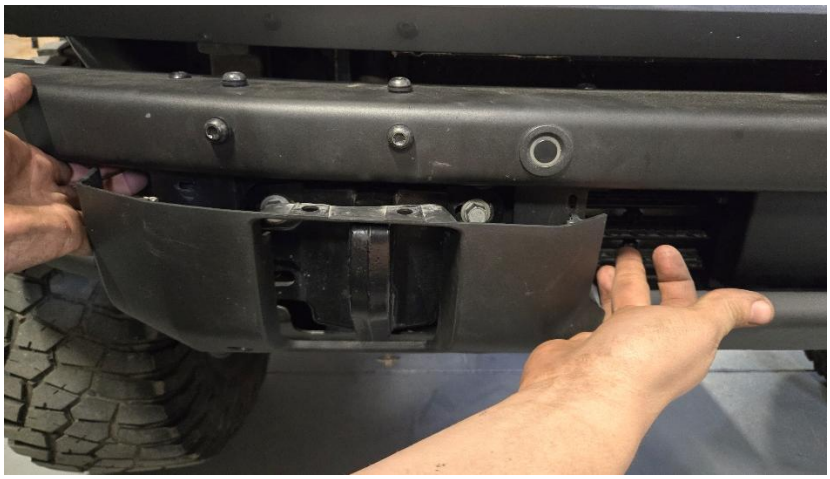






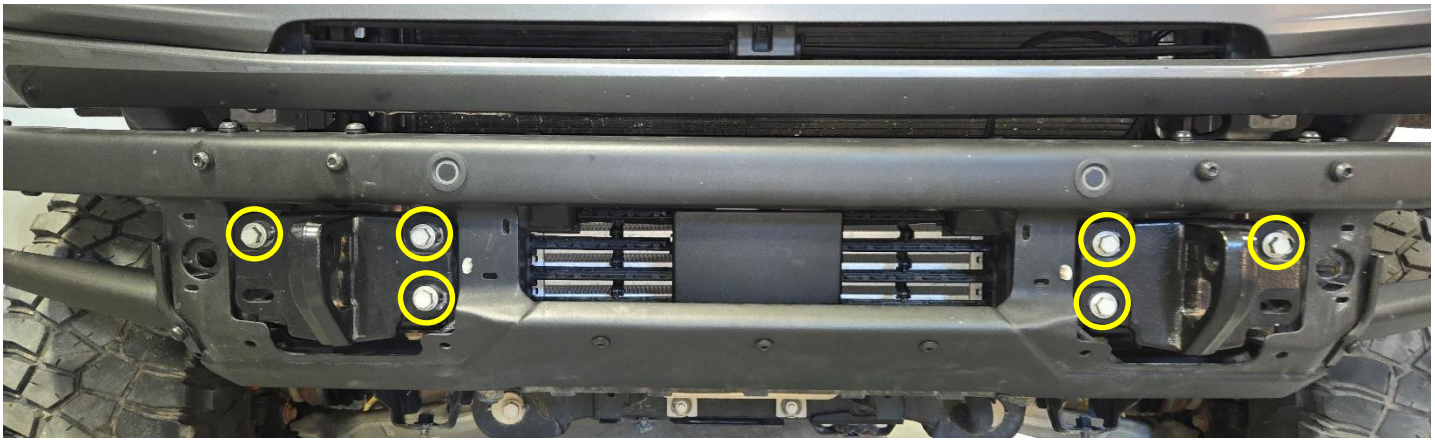

Trim Cover







D. **Remove the bumper** by unbolting the 6 bolts (3 on each side) that hold the OEM bumper in place using a 15mm socket. Save all the factory bolts for reinstallation later.



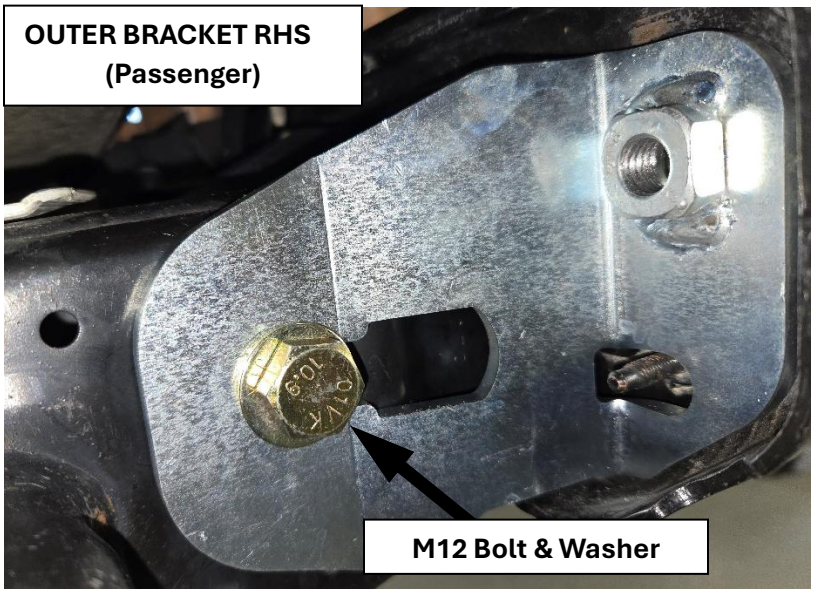
E. **Remove the factory mounting nut plate** from behind the frame horns, one on each side. You will not need those nut brackets again for this installation.

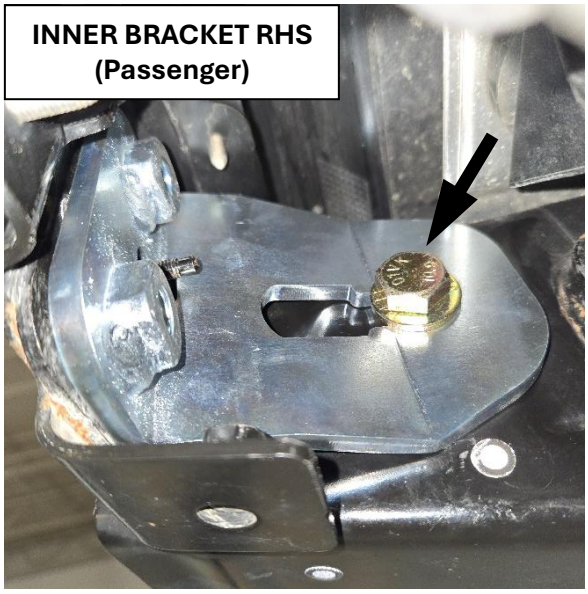


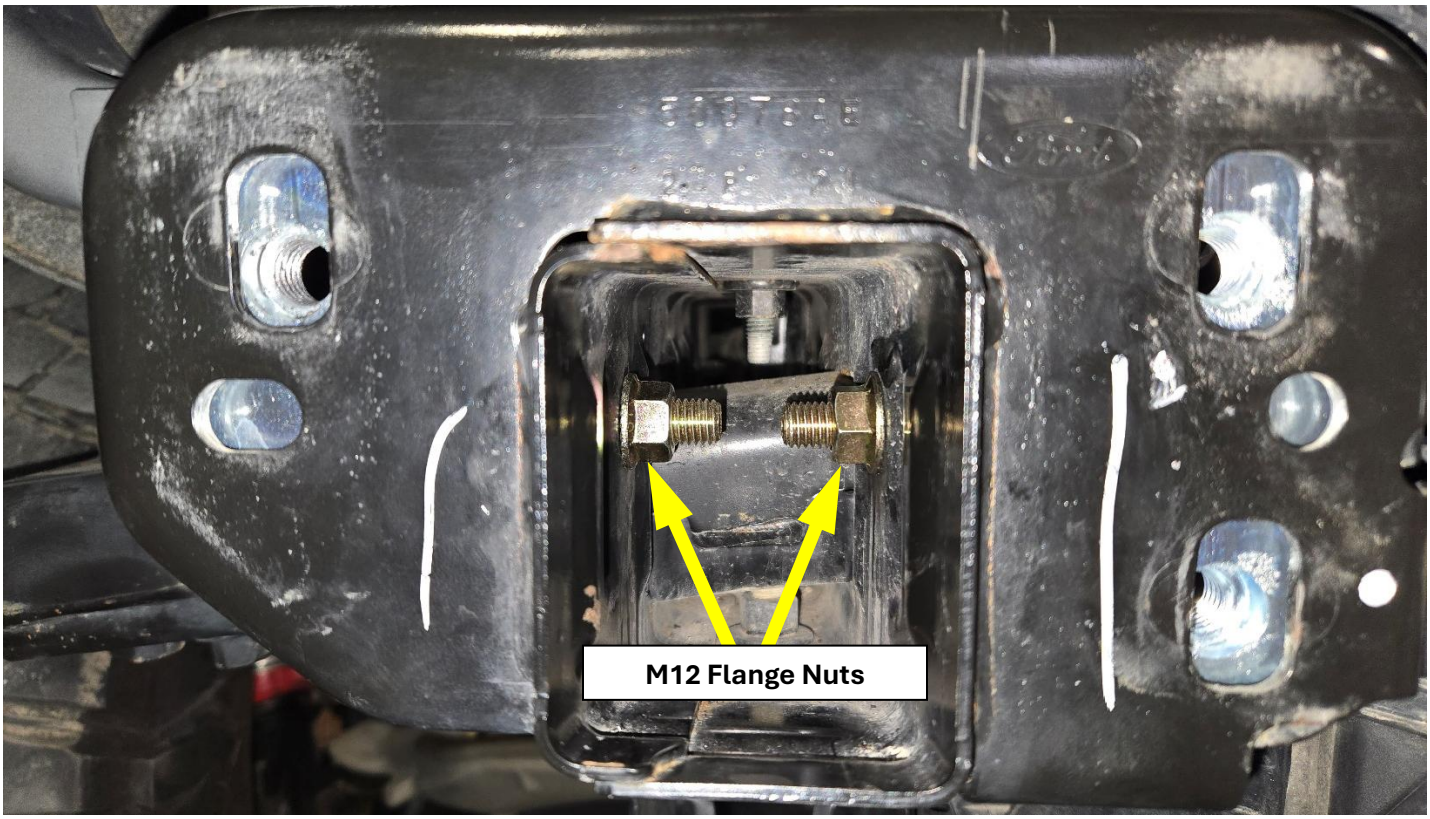


F. **Install the Maximus-3 brackets** as shown below using M12 bolt, serrated nuts and washers supplied. Note outer and inner brackets, driver and passenger side brackets, and their orientation. The single nut bracket goes on the outside of frame.

If mounting holes in the frame are small to fit the M12 bolts, please drill them out with a ½" drill bit. **Insert the bolt and washer from outside and the serrated flange nut from inside the box frame.** Align the nuts with the slotted mounting holes on the frame horns and loosely tighten the bolts using a19mm socket/wrench, just enough to stay aligned behind the frame horns.





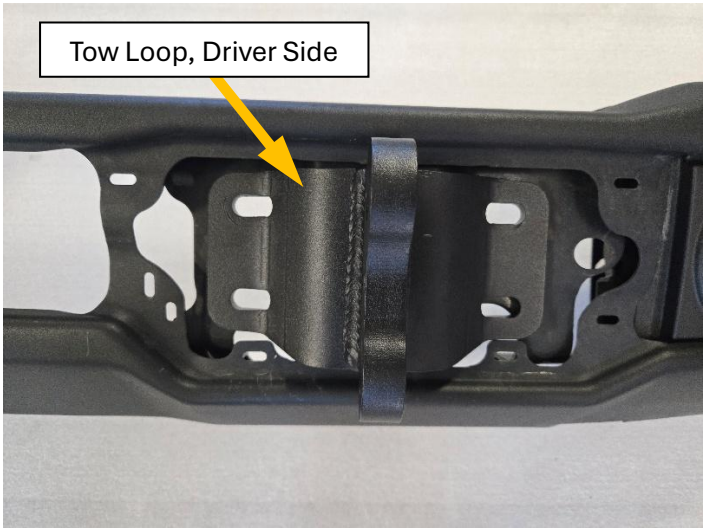


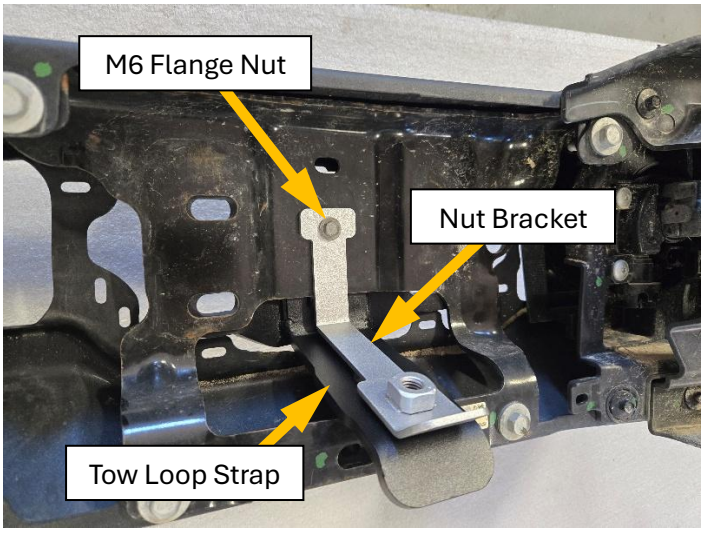
STEP 2: Bolt the Maximus-3 Tow Loops onto the Bumper

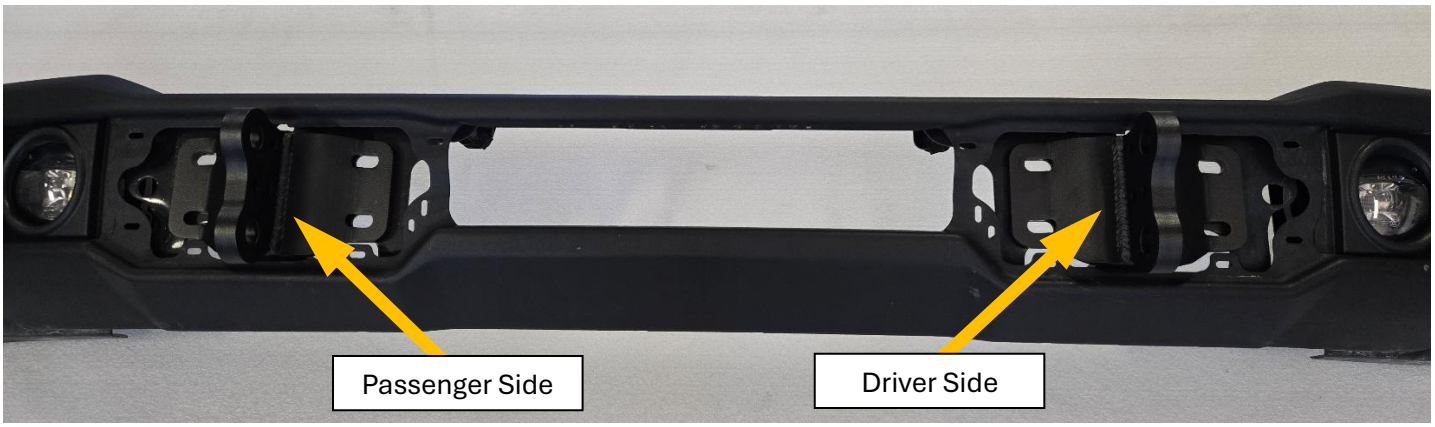
A. With the bumper sitting on the ground, place your Maximus-3 Tow Loop over the bumper from the front. Align the holes, place the Nut Bracket from the back side and bolt them together onto the bumper with the M6 flange bolt supplied – tighten using 10mm socket/wrench. Refer to pictures below.

➢ Align the Nut Plate with the Tow Loop strap such that the nut is directly above the slotted hole in the strap.

B. Repeat the same on the other side. Make sure all the holes are aligned with the holes on the bumper.





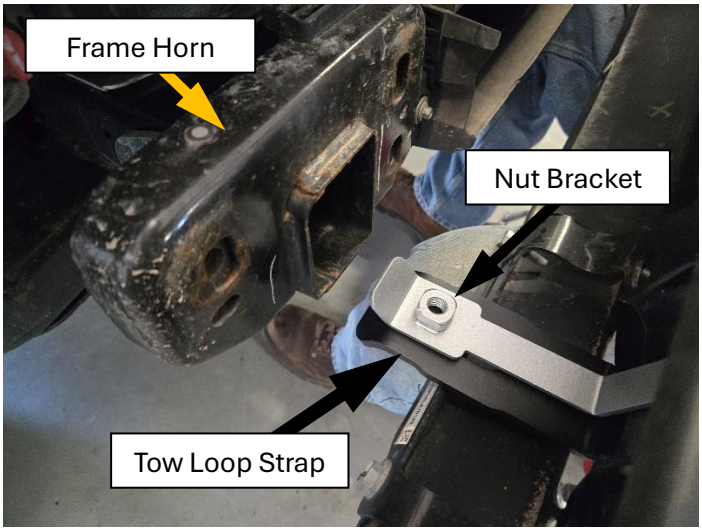


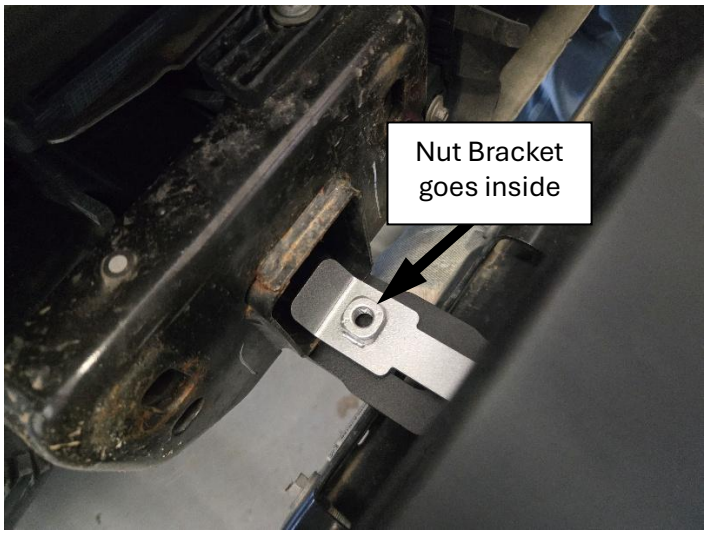
STEP 3: Drill Mounting Holes in the Chassis Frame for Tow Loop Straps

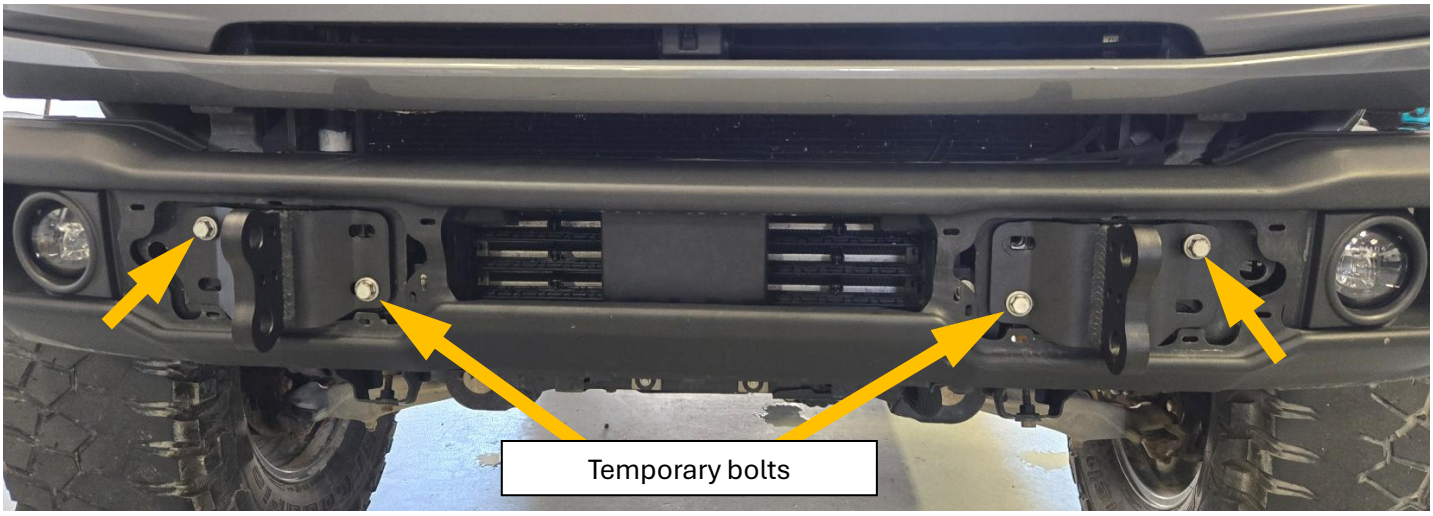
A. Slide the bumper over the chassis frame horns as shown below.

➢ Note: the nut plates go inside the chassis box frame, and the tow loop straps on the bottom side as shown.

B. Temporarily bolt the bumper in place using the factory M12 bumper bolts you removed in step 1. Use two (2) bolts on each side as shown below.







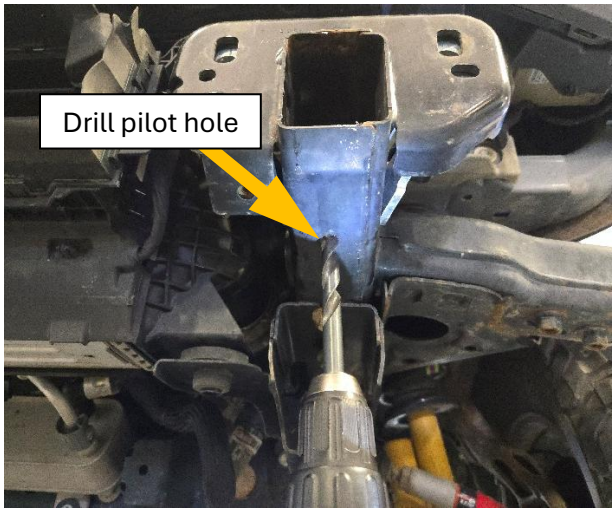
C. Mark drill points through the tow loop straps using a Sharpe/marker as shown below. Drill point needs to be at the back end of the slot as shown below. Mark both sides.

D. Remove the bumper and drill pilot holes in the bottom of the frame using a ¼" (6mm) drill bit, and then drill final holes with a 9/16" (14mm) drill bit.

E. Touch up your final drilled holes with paint to protect against corrosion.





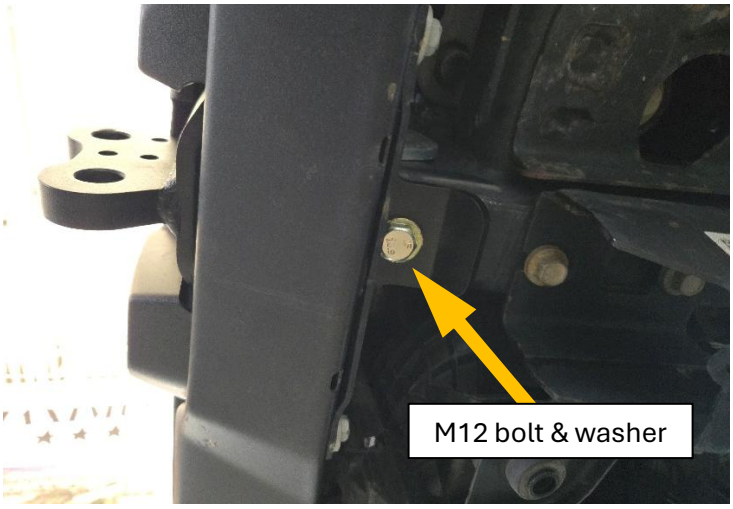


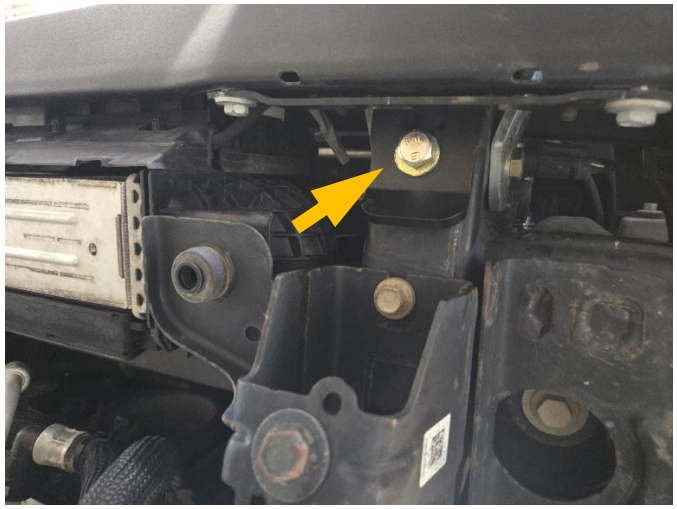
STEP 4: Reinstall the bumper with Tow Loops

A. Reinstall your bumper with the Maximus-3 Tow Loops using your original bolts removed in step 1 D.

➢ Make sure that the tow loops straps are aligned with the holes you drilled under the frame in step 3 D.

B. Insert the M12 bolts with washers supplied through the straps and thread them into the nut plates inside the frame on both sides – do not tighten for now. Refer to the pictures below.





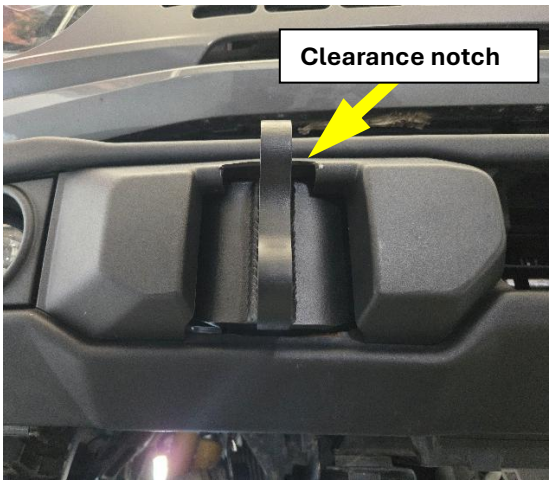
C. Tighten all bolts to spec:

✓ First > Bumper bolts = 60 lb.ft

✓ Second > Maximus-3 brackets bolts = 84 lb.ft

D. Reinstall the bumper plastic trim covers you removed in step 1 C.

- For the Capable Bumper: cut a notch in the plastic cover to clear the tow loops - cut less than is shown in the picture below.
- For the Modular Bumper: no cutting is needed.





STEP 5: Reinstall the skid plate & reconnect the wiring harness

A. Reinstall your skid plate using your original bolts removed in step 1 A.

B. Reconnect the wiring harness you disconnected in step 1 B.

Your Maximus-3 Recovery/Tow Loops are ready to use for flat towing and/or recovery.





Your installation is complete. If you have questions regarding this installation, please contact us at customerservice@maximus-3.com, or call (248) 821-6654