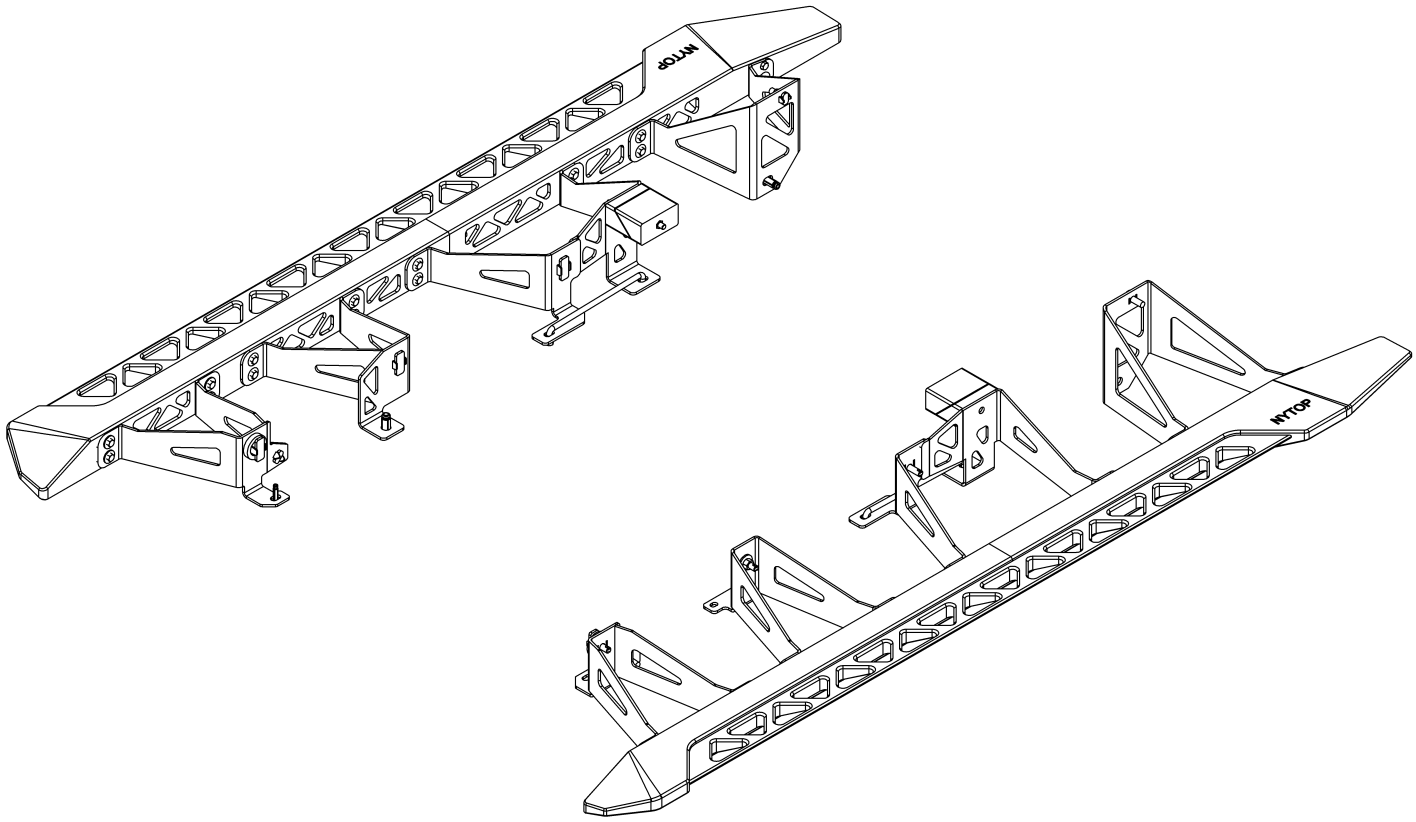
Rock Slider Installation Guide

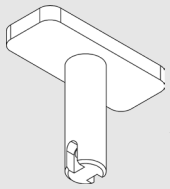


RPTR3-D
Weight: 200 lbs.

Compatible Models:
2021+ Ford F-150 Raptor

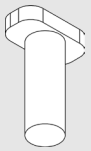
Included hardware:

M14x45mm
Hammer Bolt, large



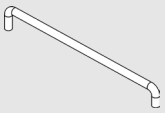
x6

M14x45mm
Hammer Bolt, small



x4

M12 U-Bolt



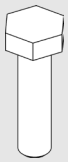
x2

M12x135mm
Hex Head Bolt



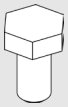
x2

M10x40mm
Hex Head Bolt



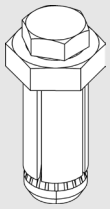
x36

M10x20mm
Hex Head Bolt



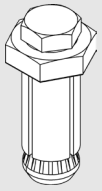
x12

1/2” BoxBolt®



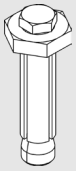
x1

3/8” BoxBolt®



x2

1/4” BoxBolt®



x2

M14 Hex Nut



x10

M12 Hex Nut



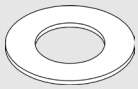
x6

M10 Hex Nut



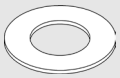
x4

M20 Washer



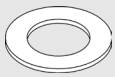
x1

M18 Washer



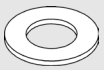
x2

M14 Washer



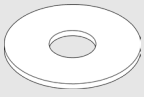
x10

M12 Washer



x8

M10 Washer
Large



x46

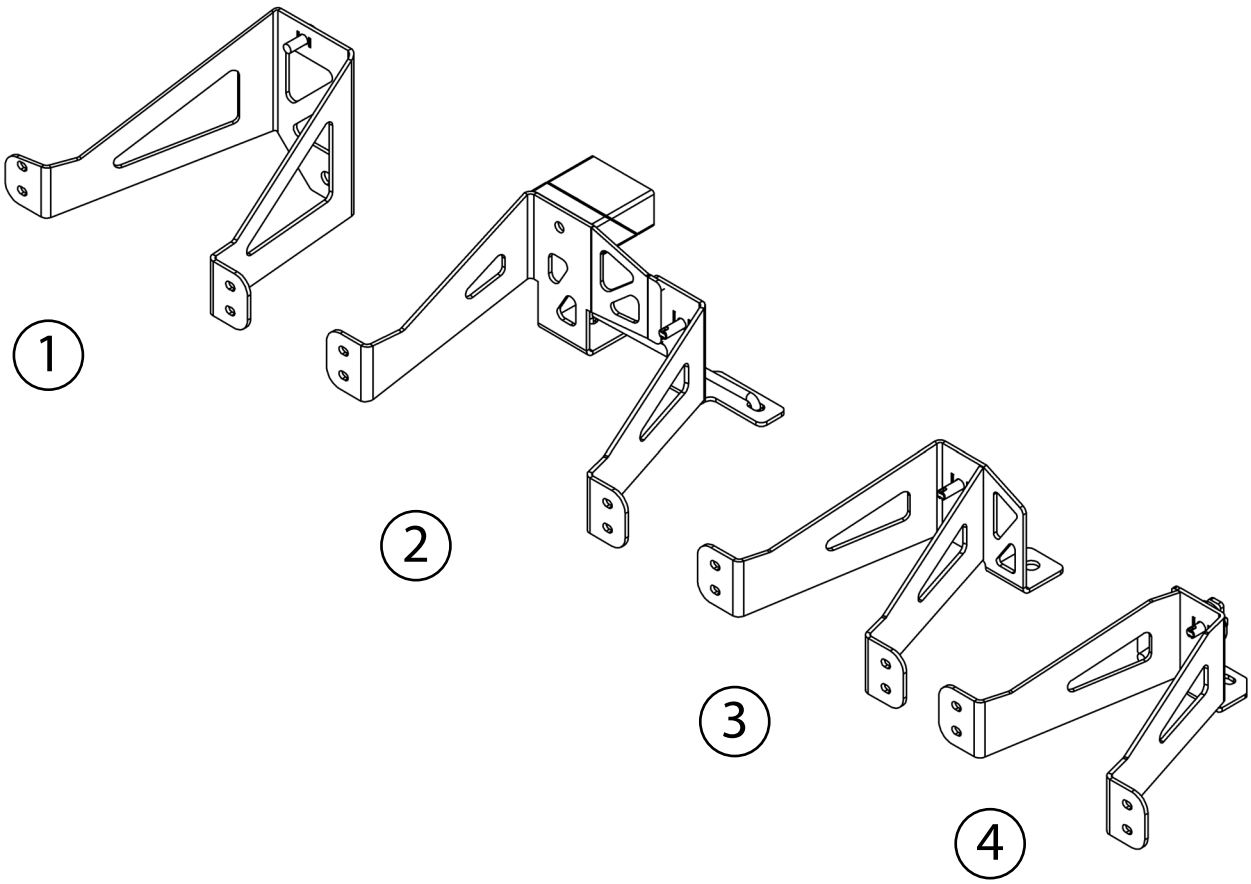
M10 Washer
Small

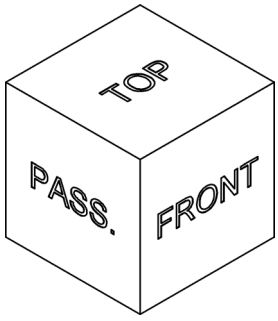


x10

There are 4 brackets on each side of these sliders. Starting on the passenger side, these are labeled 1-4, going from the rear of the vehicle to the front of the vehicle.

The brackets will be installed on the frame of the vehicle individually, then the slider body will be installed afterwards.

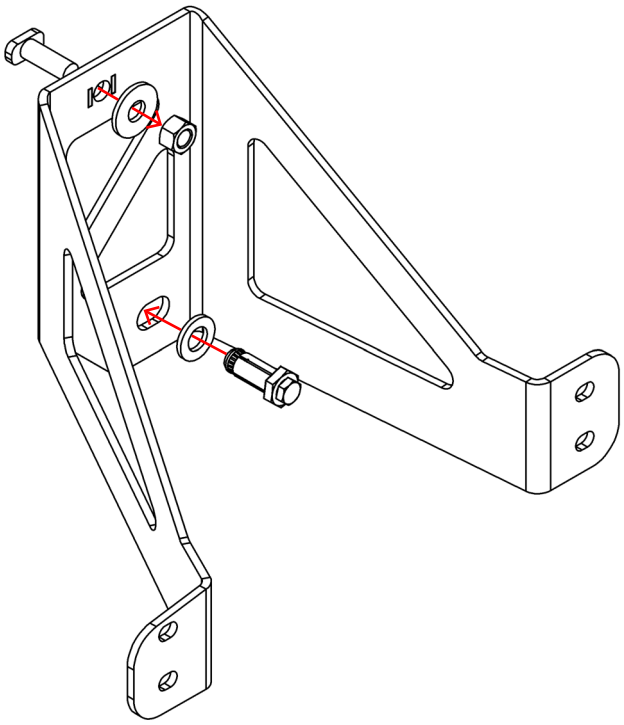


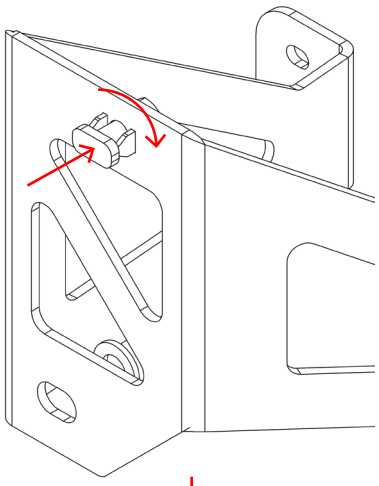


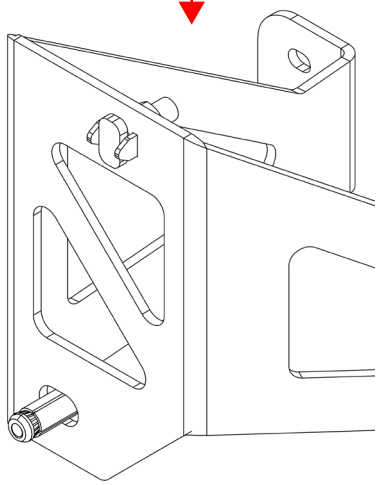
Hammer Bolt, Small	M14 Washer	M14 Nut	M18 Washer	3/8” BoxBolt®
x 1	x 1	x 1	x 1	x 1

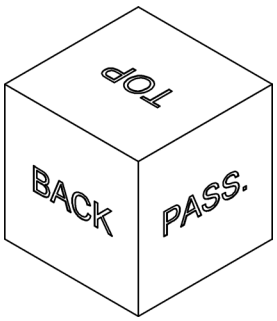
Starting with bracket 1 (the rearmost bracket on the passenger side), set up a smaller hammer bolt with an M14 washer and nut to fit loosely in the top hole of the bracket. Place this bracket up to the slot on the frame. Once the hammer bolt and the protuding tabs are set in the slot, rotate the hammer bolt 90 degrees until it falls between the tabs on the bracket, then hand-tighten the nut.

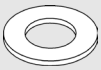
Then, install the 3/8” BoxBolt® with an M18 washer by securing the outer hex with an open wrench and tightening the inner hex with a socket.





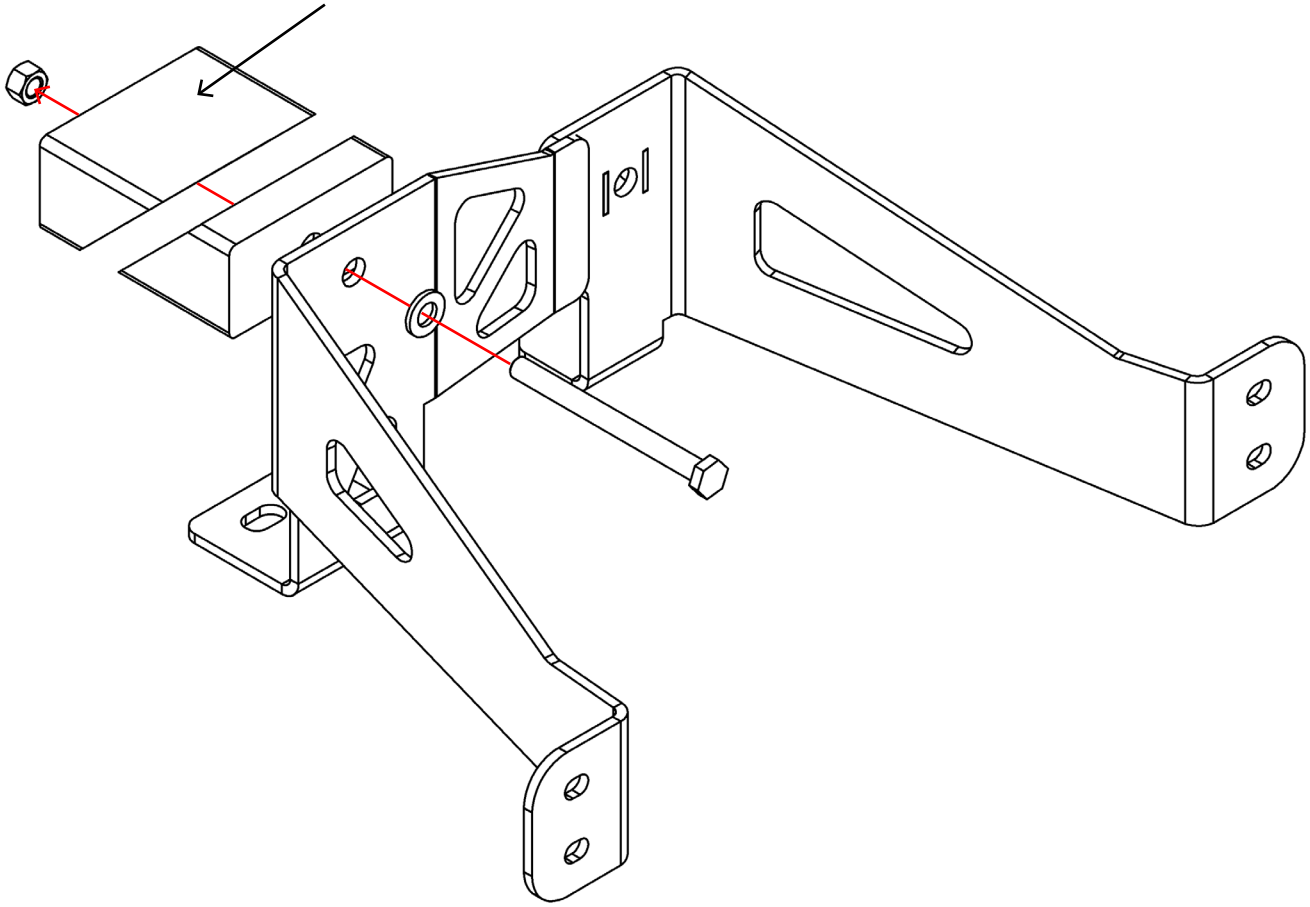


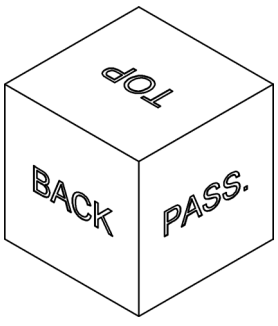


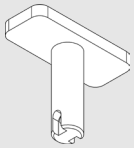
M12x135mm	M12 Washer	M12 Nut
 x 1	 x 1	 x 1

Loosely install the two-piece aluminum block on bracket 2 with an M12x135mm hex head bolt, and an M12 washer and nut.

This piece has a hex nut recess in the back.



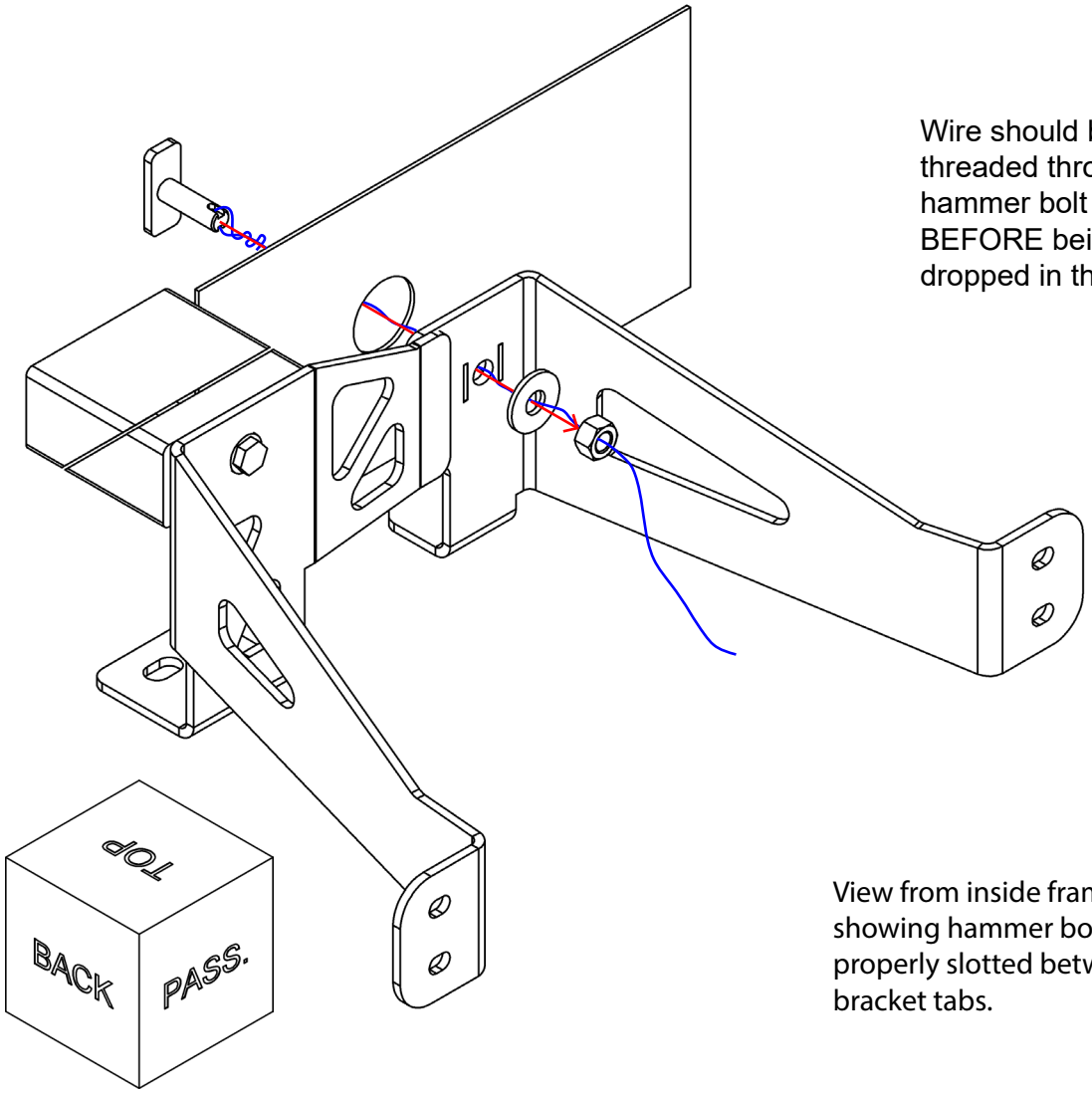


Hammer Bolt, Large	M14 Washer	M14 Nut
 x 1	 x 1	 x 1

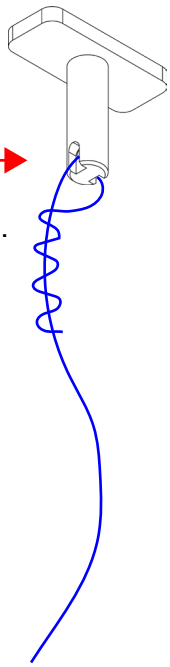
Next, thread and twist a provided wire through the hole on one of the large hammer bolts. Drop this bolt into the indicated hole on the frame.

Bracket 2 can now be positioned onto the frame. Ensure that the wire is threaded through the respective hole on the bracket. The wire can be pulled taut until the large hammer bolt fits through its hole on bracket 2.

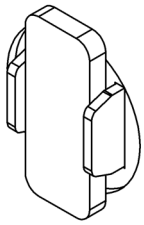
An M14 washer and nut can then be threaded on the wire and large hammer bolt. Make sure that the large hammer bolt is properly set between the protruding tabs on bracket 2. You can now remove the wire.

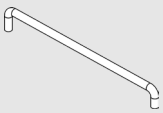
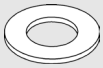


Wire should be threaded through hammer bolt BEFORE being dropped in the frame.

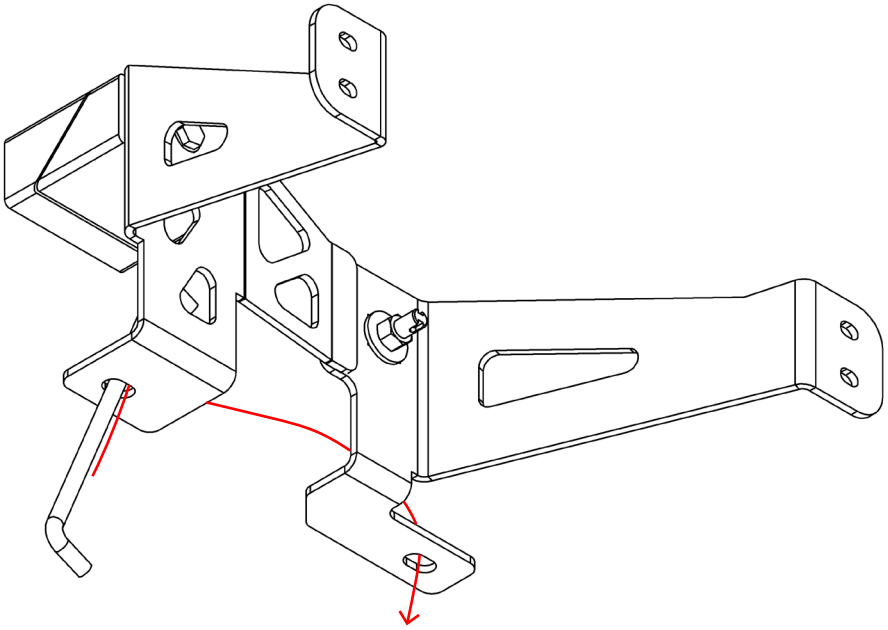


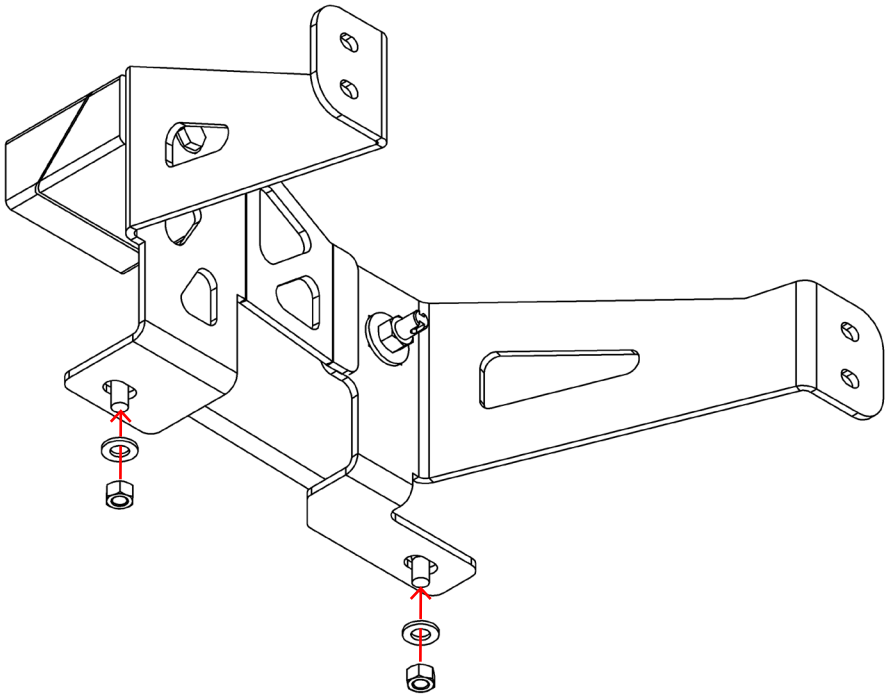
View from inside frame, showing hammer bolt properly slotted between bracket tabs.

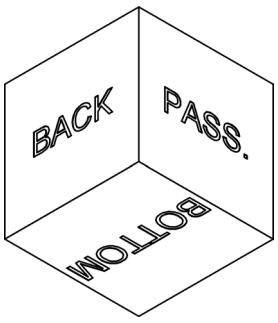


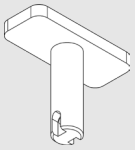
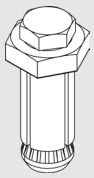
U-Bolt	M12 Washer	M12 Nut
 x 1	 x 2	 x 2

Continuing with bracket 2, slide a M12 U-bolt through one of the holes on the bottom of the frame, until it is able to protrude through the hole on the opposite side of the bracket. It can then be secured with two M12 washers and nuts.

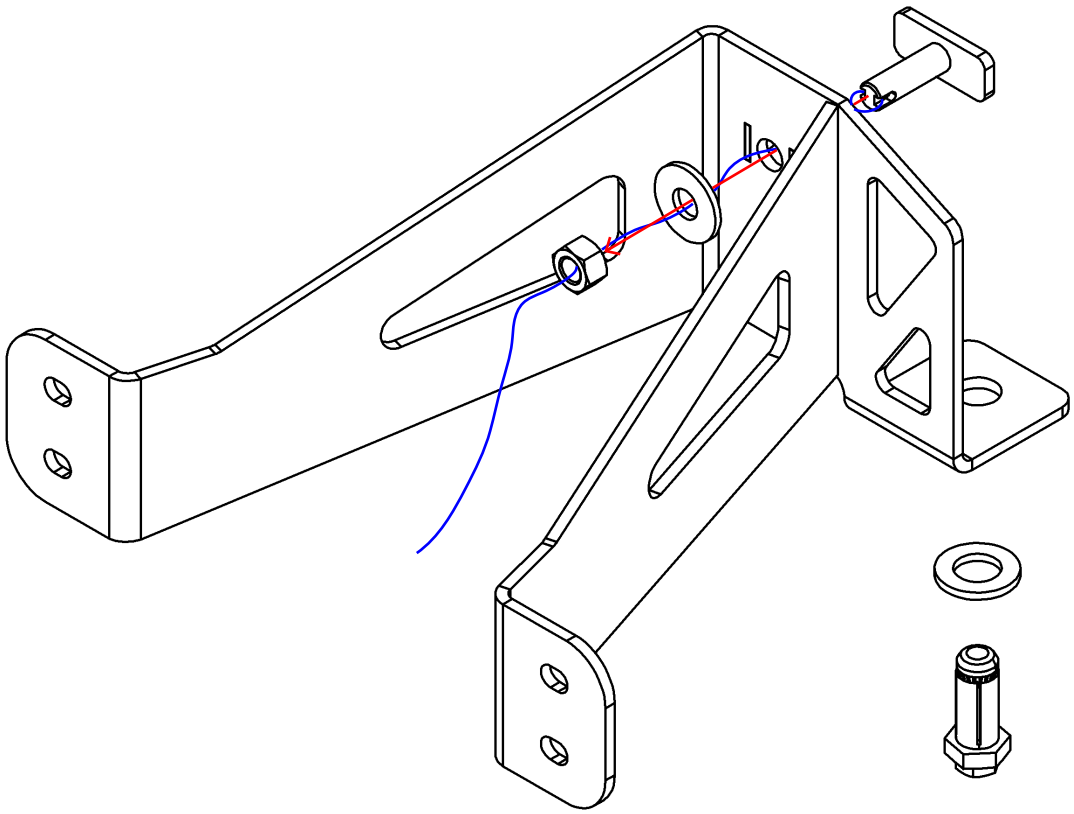


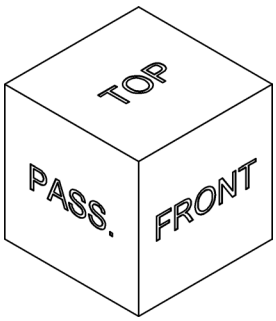




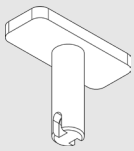
Hammer Bolt, Large	M14 Washer	M14 Nut	M20 Washer	1/2” BoxBolt®
 x 1	 x 1	 x 1	 x 1	 x 1

Bracket 3 will require another large hammer bolt, installed in the same fashion as the one on bracket 2. The hole on the bottom uses the large 1/2” BoxBolt® and the M20 washer.





Hammer Bolt, Large



x 1

M14 Washer



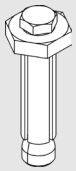
x 1

M10 Washer, Large



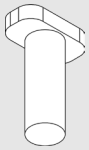
x 1

1/4” BoxBolt®



x 1

Hammer Bolt, Small



x 1

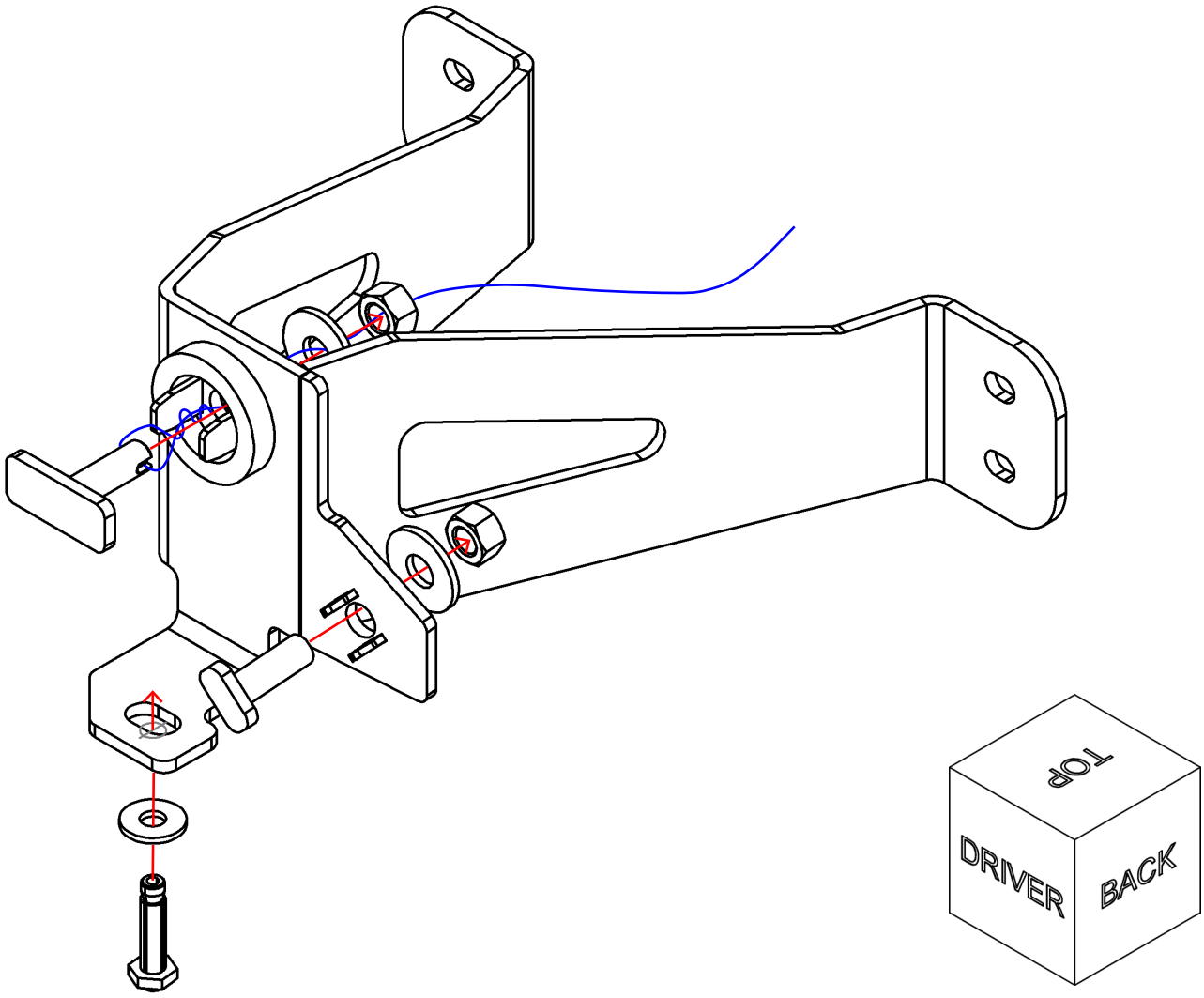
M14 Nut



x 1

Bracket 4 uses two hammer bolts: the lower, smaller one is installed in the same fashion as the hammer bolt on bracket 1, and the upper, larger one is installed in the same fashion as the hammer bolt on bracket 2.

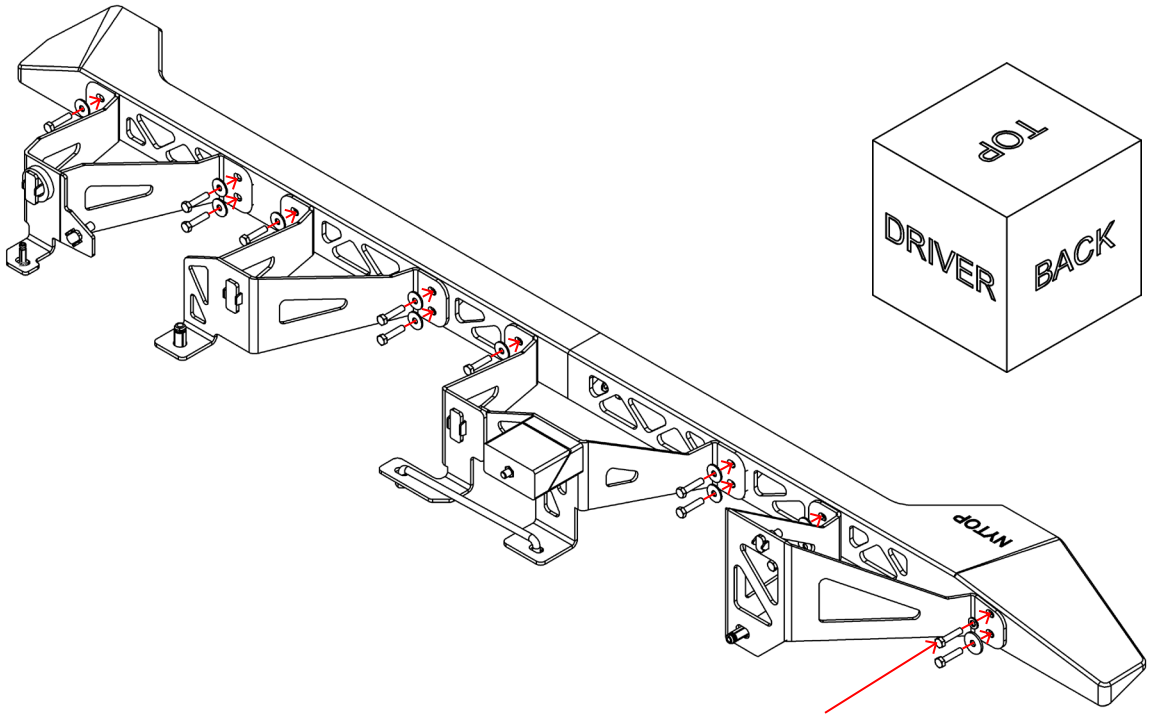
The hole on the underside will require a small 1/4” BoxBolt® with an M10 washer.



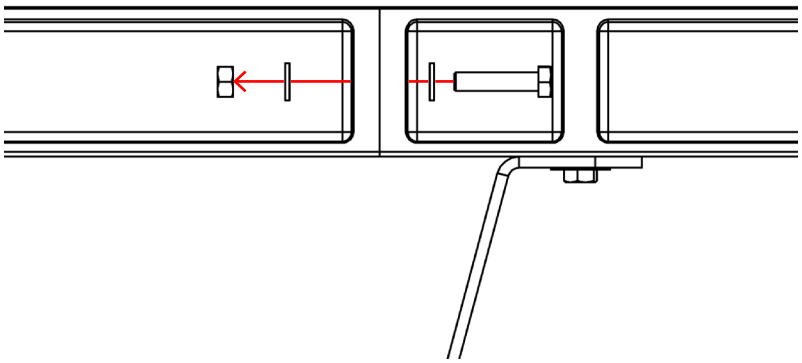
M10x40mm	M10 Washer, Large	M10 Washer, Small	M10 Nut
x 16	x 15	x 5	x 2

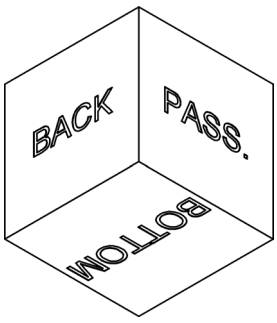
The two halves of the rock slider can now be installed onto the brackets. These are secured with sixteen M10x40mm bolts, fifteen large diameter M10 washers, and one small diameter M10 washer. The small diameter washer goes on the upper-rear bolt.

They can then be connected in the middle with two M10x40mm bolts, four small diameter M10 washers, and two M10 nuts.

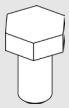


Small washer goes here



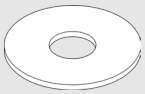


M10x20mm



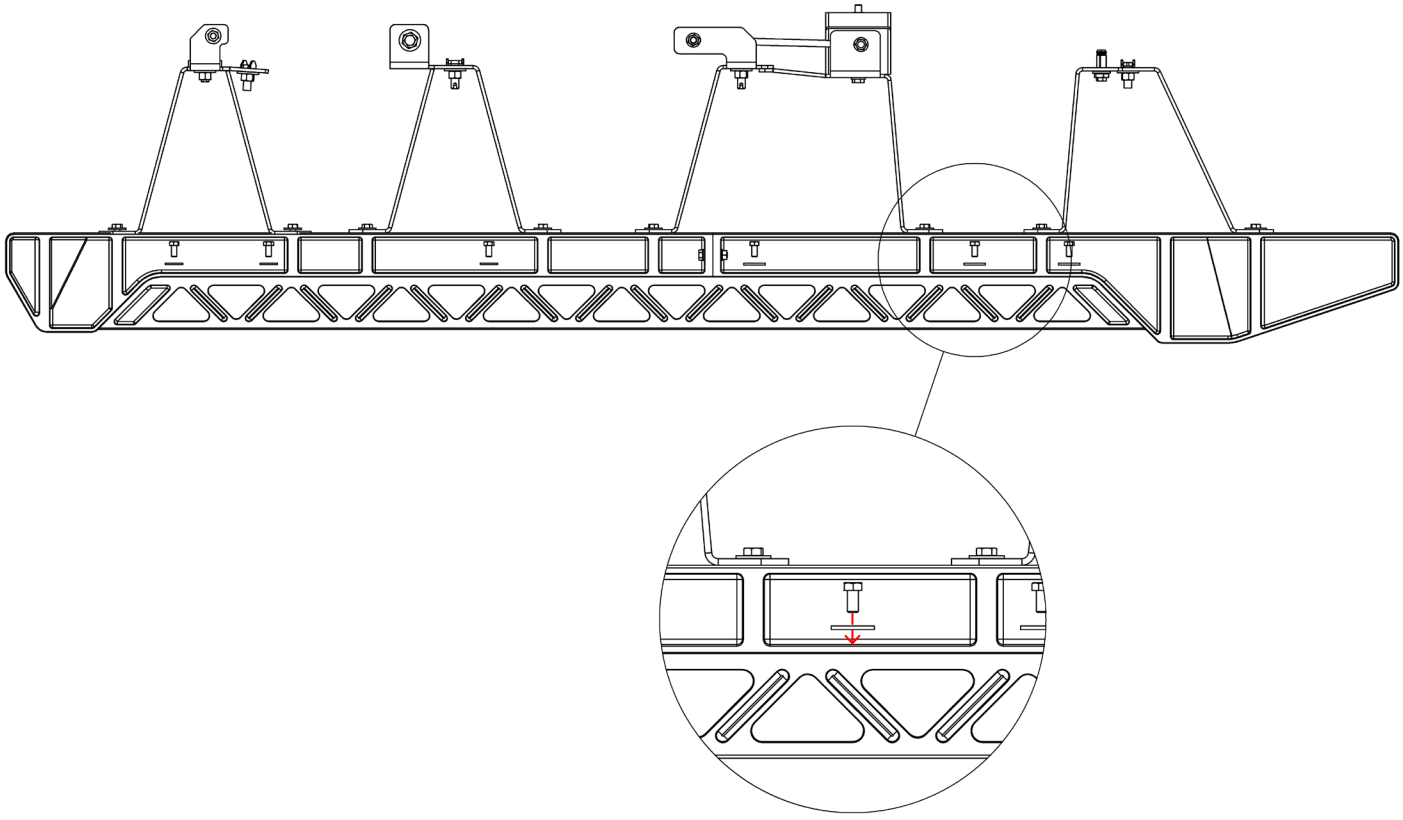
x 6

M10 Washer, Large

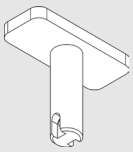


x 6

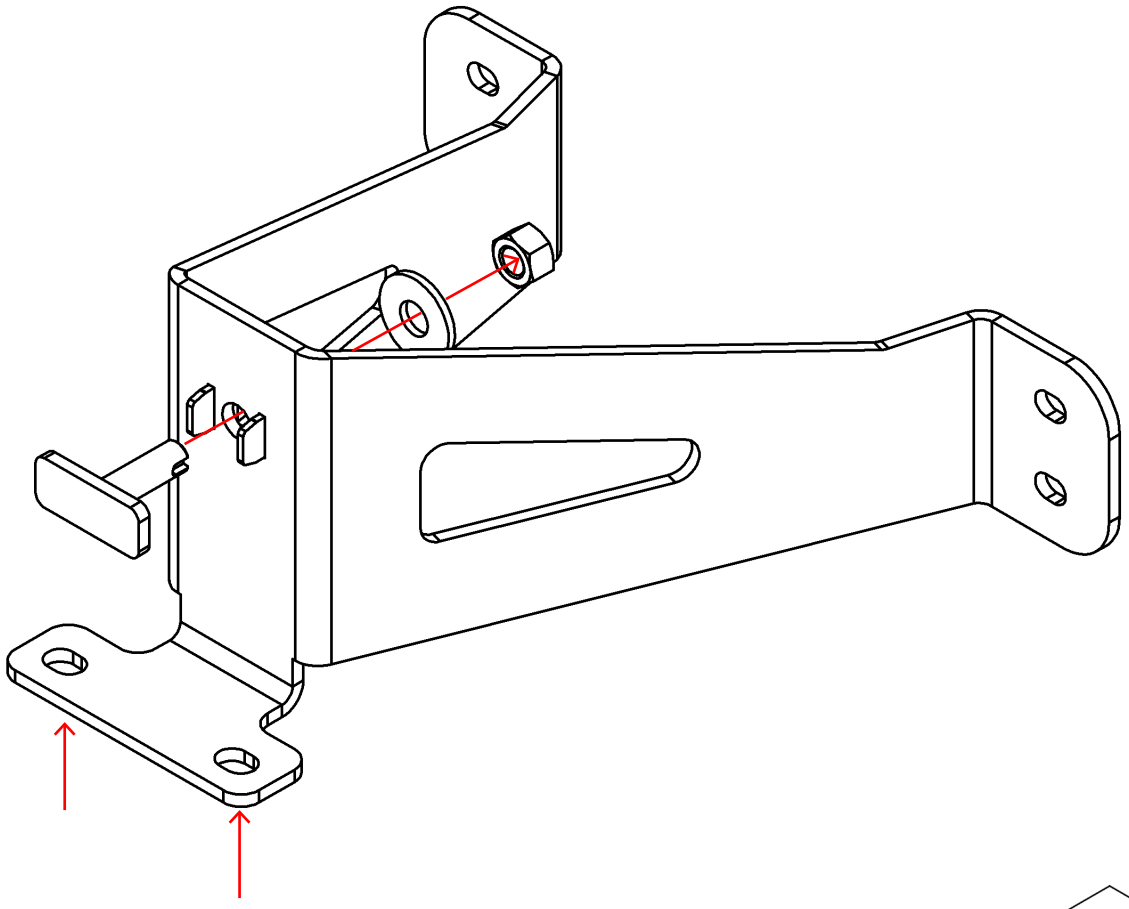
The midsection of the rock sliders is secured to the two halves with six M10x20mm bolts and six large diameter M10 washers.



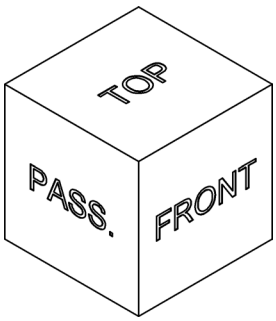
BOTTOM

Hammer Bolt, Large	M14 Washer	M14 Nut
 x 1	 x 1	 x 1

The driver side installation is identical with the exception of bracket 3. Before mounting the bracket, remove the two bolts from underneath the frame that secure the small OEM skid plate. Instead of installing the large M12 BoxBolt®, bracket 3 will be secured from the bottom with these two OEM bolts.



Insert OEM hardware back through these bottom two holes.



Torque the bolts to:

M14 Nuts: 80 ft-lbs / 108 N-m

M12 U-bolt Nuts: 65 ft-lbs / 88 N-m

M10 Bolts: 30 ft-lbs / 40 N-m

M12 BoxBolts®: 59 ft-lbs / 80 N-m

M10 BoxBolts®: 33 ft-lbs / 45 N-m

M6 BoxBolts®: 9 ft-lbs / 13 N-m

