



INSTALLATION MANUAL

Overland Rack

RK-100 & RK-200

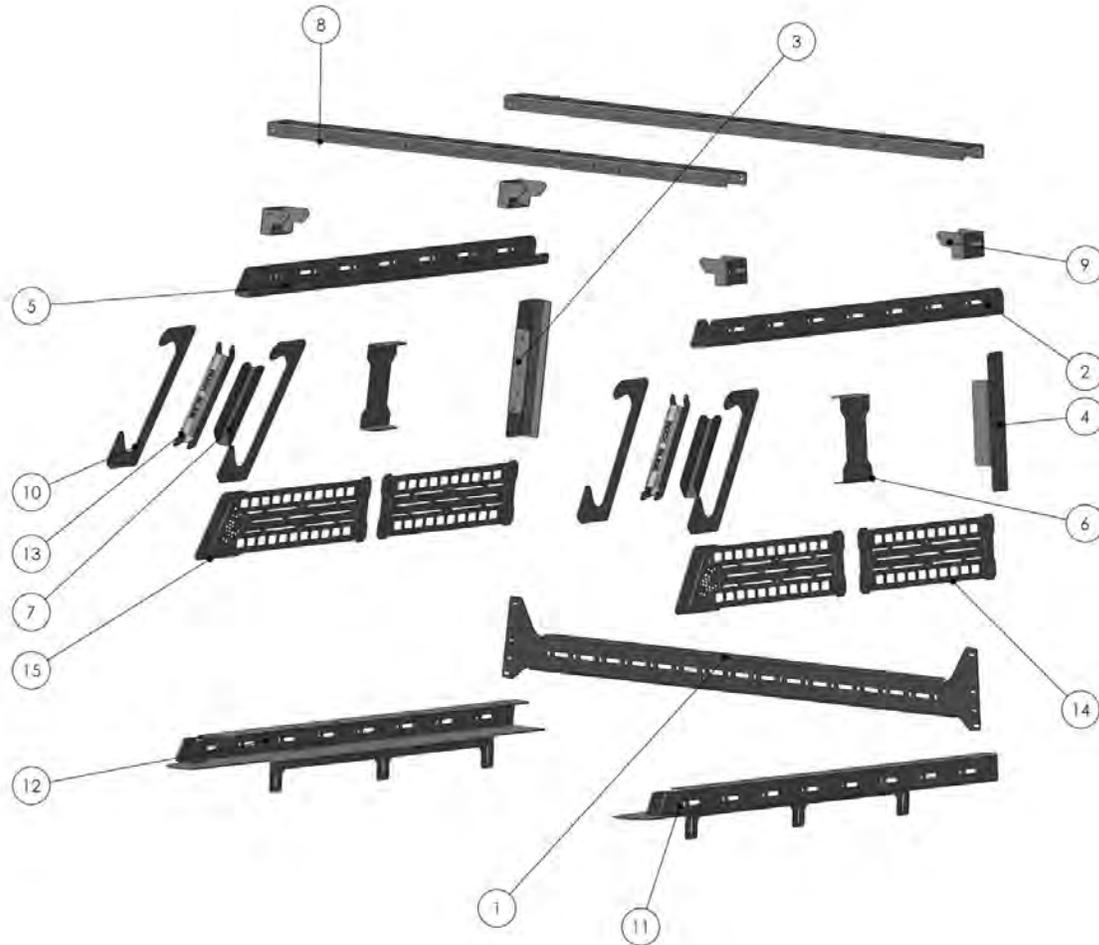
Gladiator/Tacoma

MADE IN THE USA



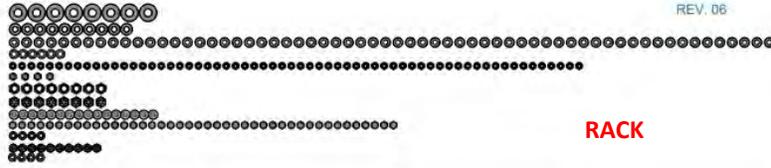
Parts

The Overland Rack consists of multiple parts and can be configured with fixed sides or flip up sides.



ITEM NO.	DESCRIPTION	QTY.
1	Overland Rack Front Cross Member	1
2	JT Overland Rack Top Rail Passenger	1
3	Overland Rack Front Pillar Driver	1
4	Overland Rack Front Pillar Passenger	1
5	JT Overland Rack Top Rail Driver	1
6	Overland Rack Middle Support	2
7	Overland Rack Grab Bar Center Brace	2
8	Overland Rack Top Cross Member	2
9	Overland Rack Top Cross Member Bracket	4
10	Overland Rack Grab Bar Side	4
11	Overland Rack Passenger Side Base Rail Sub ASSY	1
12	Overland Rack Driver Side Base Rail Sub ASSY	1
13	Overland Rack Grab Bar Assembly	2
14	Overland Rack Fixed Accessory Plate Front	2
15	Overland Rack Fixed Accessory Plate Rear	2

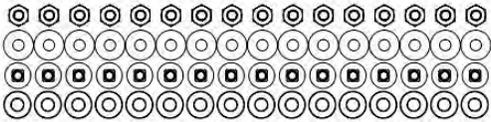
You will find a hardware kit included for the rack and a hardware kit for the fixed sides or two hardware kits for the flip up side.



ITEM NO.	PART NUMBER	Revision	DESCRIPTION	Vendor	QTY.
1	91831A029	00	1/4-20 Stainless lock nut	McMaster	62
2	92141A029	00	18-8 Stainless Steel Washer 0.281" ID, 0.625" OD	McMaster	62
3	92198A553	00	18-8 Stainless Steel Hex Head Screw 1/4"-20 Thread Size, 2-3/4" Long, Partially Threaded	McMaster	4
4	92240A540	00	18-8 Stainless Steel Hex Head Screw	McMaster	42
5	92356A540	00	1/4-20 x 3/4 Carriage Bolt, 18-8 ss	McMaster	16
6	92620A669	00	Zinc Yellow-Chromate Plated Hex Head Screw Grade 8 Steel, 7/16"-14 Thread Size, 1" Long	McMaster	8
7	91831A133	00	18-8 Stainless Steel Nylon-Insert Locknut 7/16"-14 Thread Size	McMaster	8
8	92141A032	00	18-8 Stainless Steel Washer for 7/16" Screw Size, 0.5" ID, 1.125" OD	McMaster	8
9	#AS50-14-42M	00	Aluminum Spacer	AluminumSpacers.com	4
10	92620A583	00	5/16-18 x1 ZINC YELLOW-CHROMATE HEX HEAD Bolt	McMaster	10
11	92141A030	00	18-8 STAINLESS STEEL FLAT WASHER 5/16"	McMaster	10
12	92146A030	00	18-8 Stainless Steel Split Lock Washer	McMaster	6
13	95615A160	00	5/16-18 Medium-Strength Steel Nylon-Insert Locknut	McMaster	4

Fixed Sides

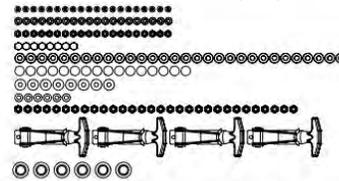
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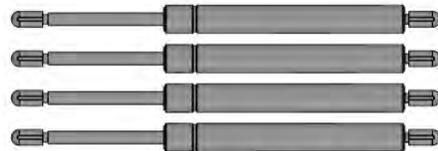
ITEM NO.	PART NUMBER	Revision	DESCRIPTION	Vendor	QTY.
1	91831A029	00	1/4-20 Stainless lock nut	McMaster	16
2	92141A029	00	18-8 Stainless Steel Washer 0.281" ID, 0.625" OD	McMaster	16
3	92356A540	00	1/4-20 x 3/4 Carriage Bolt, 18-8 ss	McMaster	16
4	90295A450	00	Nylon Plastic Washer 0.260" ID, 0.688" OD	McMaster	16

Flip Up Sides

REV. 08



ITEM NO.	PART NUMBER	Revision	DESCRIPTION	Vendor	QTY.
1	91831A029	00	1/4-20 Stainless lock nut	McMaster	30
2	92141A029	00	18-8 Stainless Steel Washer 0.281" ID, 0.625" OD	McMaster	30
3	92356A540	00	1/4-20 x 3/4 Carriage Bolt, 18-8 ss	McMaster	16
4	90295A450	00	Nylon Plastic Washer 0.260" ID, 0.688" OD	McMaster	8
5	92240A540	00	18-8 Stainless Steel Hex Head Screw	McMaster	8
6	92141A011	00	18-8 Stainless Steel Washer 0.203" ID, 0.438" OD	McMaster	20
7	90101A011	00	18-8 Stainless Steel Thin Nylon-Insert Locknut	McMaster-Carr	30
12	#AS50-14-16-BA	00	Aluminum Spacer	AluminumSpacers.com	6
9	92949A822	00	18-8 Stainless Steel Button Head Hex Drive Screw	McMaster-Carr	20
10	37-10-086-20	00	Flexible Draw Latch	Southco	4
11	GH 253-25-1/4X20-25.4-35	00	Threaded Stud Buna-N Bumper with Steel Base Plate	JW Winco	6



Flip Up Sides



ITEM NO.	PART NUMBER	Revision	DESCRIPTION	Vendor	QTY.
1	6516L	00	Gas Spring 80lb W/ Nylon End Fittings	One Monroe	4
2	9512K73	00	Ball Stud for Gas Spring	McMaster	8
3	95615A160	00	5/16-18 Medium-Strength Steel Nylon-Insert Locknut	McMaster	8

Step 1 - Assembling the Rack Slides

You will begin with the assembly of the sides of the rack. Mount the front pillar to the lower base rail using two carriage bolts, two washers and two nyloc nuts. Note that the pillars are side specific for driver and passenger. Repeat for both sides. Do not fully tighten yet. You will leave a little play in all the bolts until you have all the parts assembled for a complete side. This allows you to easily line up holes on the other parts.



***If you have the Tacoma long bed rack extension kit, you will not use the front pillar. You will bolt the extension plates to the rack with the carriage bolts and nuts.

Front Cross member will be moved up to this bracket as well in later steps.



Step 2

Install the middle pillar onto the base rail using two carriage bolts, two washer and two nyloc nuts. Repeat for other side. Do not tighten bolts yet.



Step 3

Install both handle sides onto the base rail using two hex head bolts, two washers and two nyloc nuts for each side. Repeat for other side and do not tighten bolts yet.



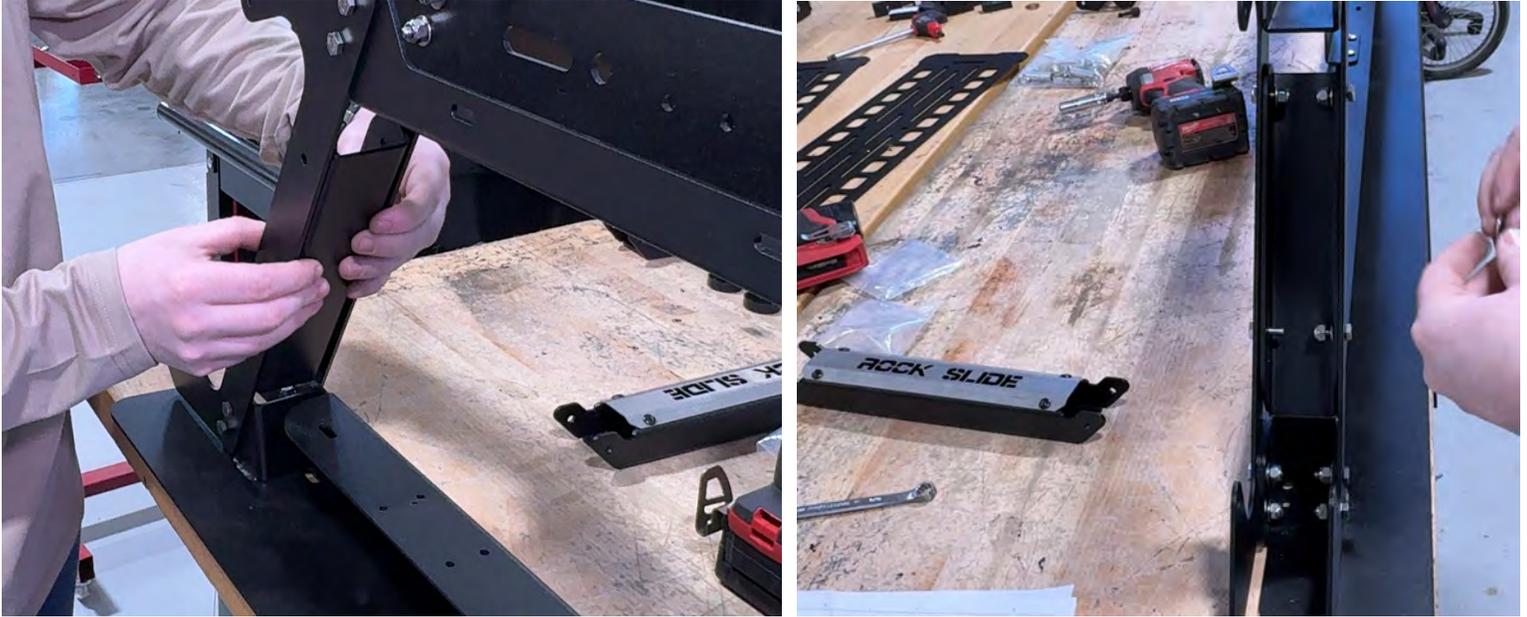
Step 4

Now install the upper rails. You will use two carriage bolts, washers and nyloc nuts for the front pillar and for the middle pillar. On the rear grab bars, you will use hex head bolts, washers and nyloc nuts.



Step 5

Install the grab bar center brace using four hex head bolts, washers and nyloc nuts.

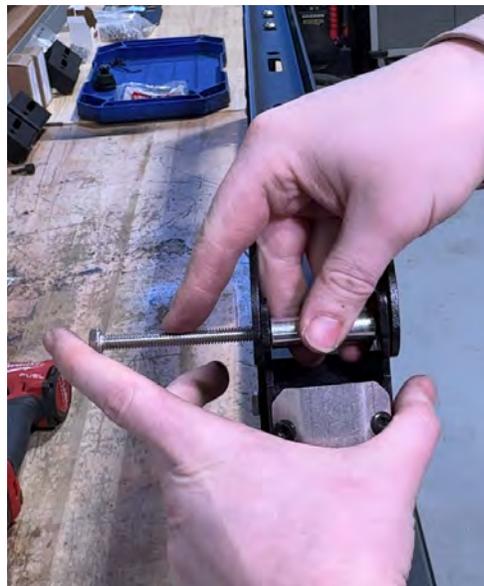


Step 6

Install the grab bar assembly with the Rock Slide name plate using two long hex head bolts, aluminum spacers and washers with nyloc nuts.

Once the grab bar is in place, you may proceed to tighten down all bolts installed in the previous steps to complete each side of your overland rack. At this point, if you purchased the Basic Rack with fixed sides, you will continue to Step 7 and install the fixed sides before mounting to the vehicle.

If you purchased the deluxe rack, you will skip forward to Step 10 and install the rack on the vehicle before you mounting the flip up sides.



Step 7- Mounting the Fixed Accessory Panels

To mount the rear flat panel, you will need to remove the two hex bolts that go through the center grab handle support.



Step 8

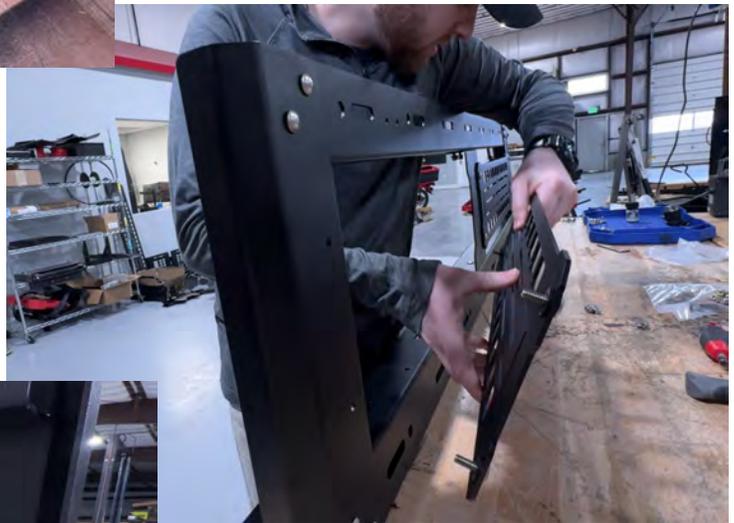
Install the rear panel using four carriage bolts, black plastic spacer washers between the panel and bracket, metal washers and nyloc nuts.



Step 9

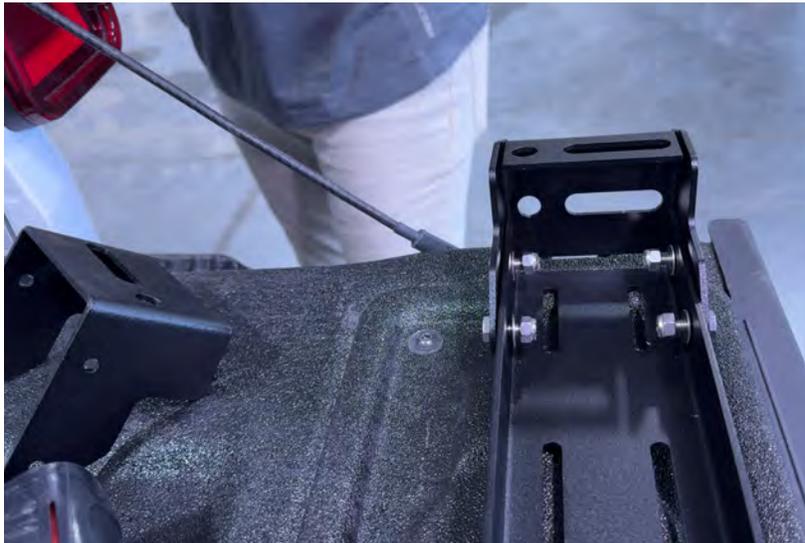
Install the front fixed side panel using four carriage bolts, black plastic spacers, metal washers and nyloc nuts.

Note the front panel orientation of the cutouts. The cutout that is closest to the bolt hole will go to the front of the rack.



Step 10 - Install Rack Sides and Cross Members On Vehicle

Locate the two top cross members and the four cross member brackets. Mount the brackets to the ends of the cross members with hex head bolts, washer and nyloc nuts. You can tighten these bolts down and set the two cross members aside for the moment.



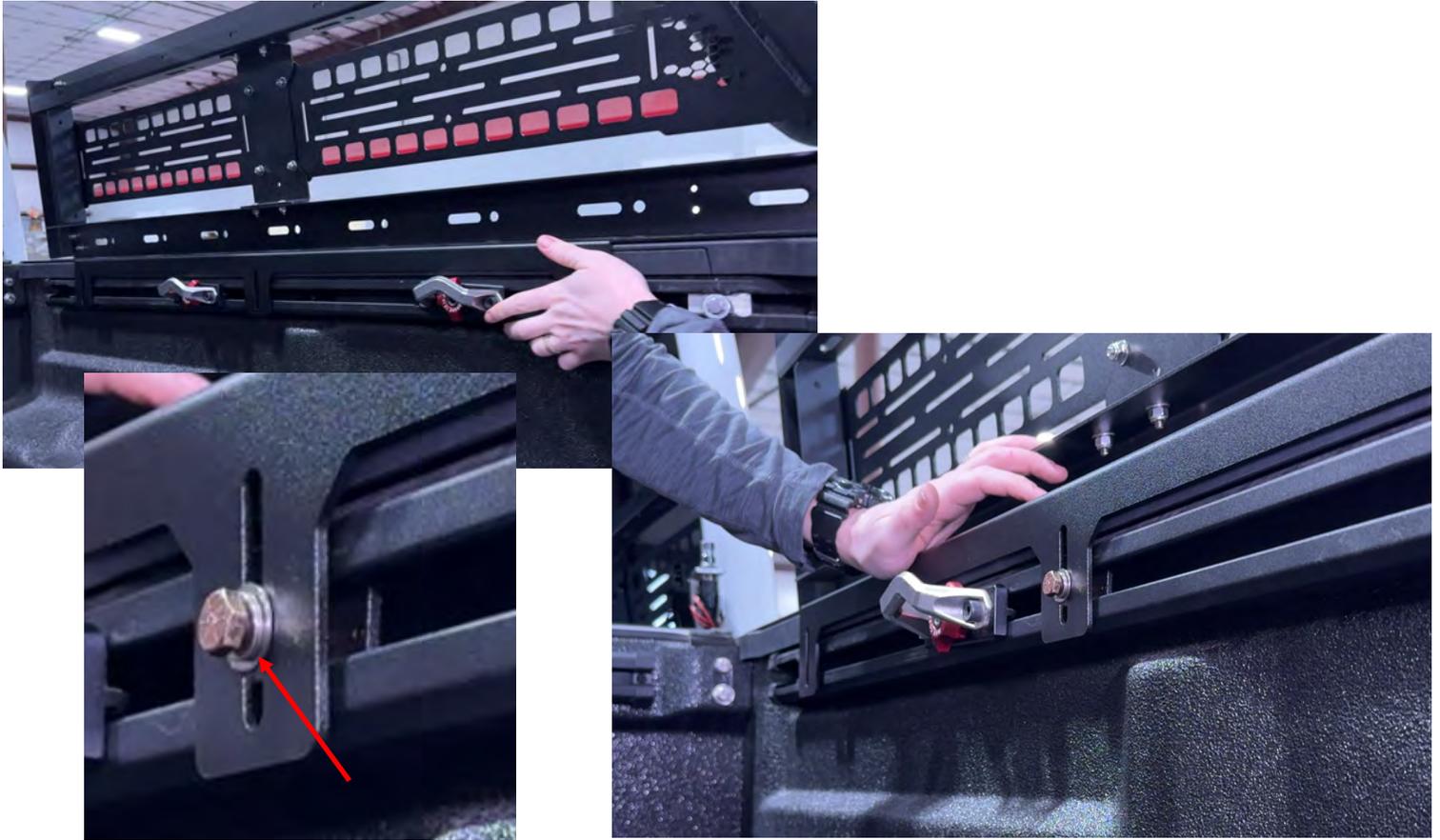
Step 11

Insert three track nut plates into the factory bed track system making sure the nut is facing away from the bed. Each rack side will require three nut plates on each side



Step 12

Position a completed side up in the bed top rail. Slide your track nut plates into position to line up with the bottom rail tabs. Using three hex head nuts, lock washers and stainless steel washers, mount the side of the rack to the bed track. Do not tighten the nuts down. Leave them loose enough to slide the rack side forward or backward along the bed track. Repeat on other side.



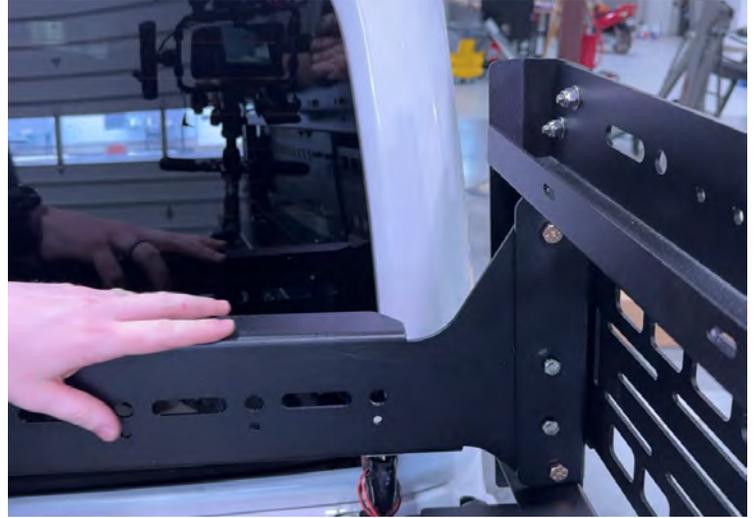
Step 13

Slide both installed sides forward to the edge of your bed trim. Do not tighten down sides yet. You will need to install cross members first to ensure everything lines up.



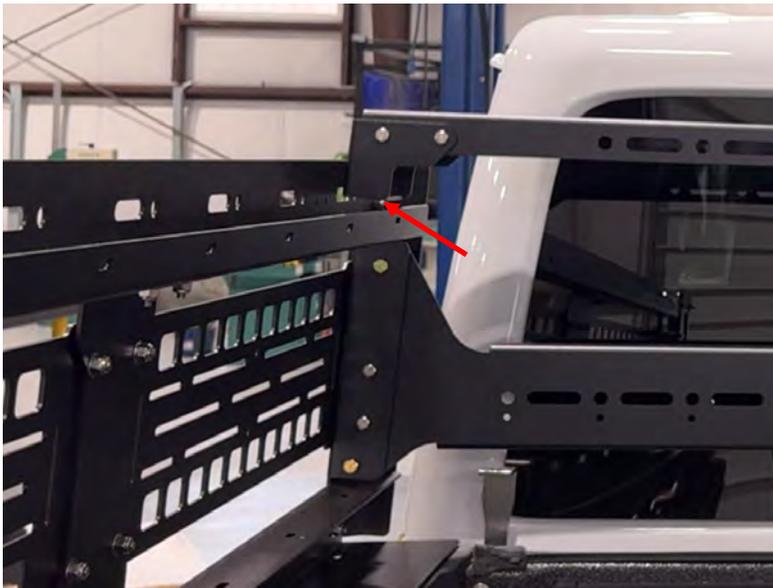
Step 14

Position the front cross member in front behind the front pillar bracket. Mount the cross member to the front pillar bracket using four hex head bolts, washers and nyloc nuts. Do not tighten the bolts yet. Repeat the install on the other side with four hex head bolts, washers and nuts.



Step 15

Insert the top cross members into the channel of the rack top rail. Install two hex head bolts with washers and nyloc nuts on each side. Do not tighten down yet. Repeat this process for all four sides of the two top cross members.



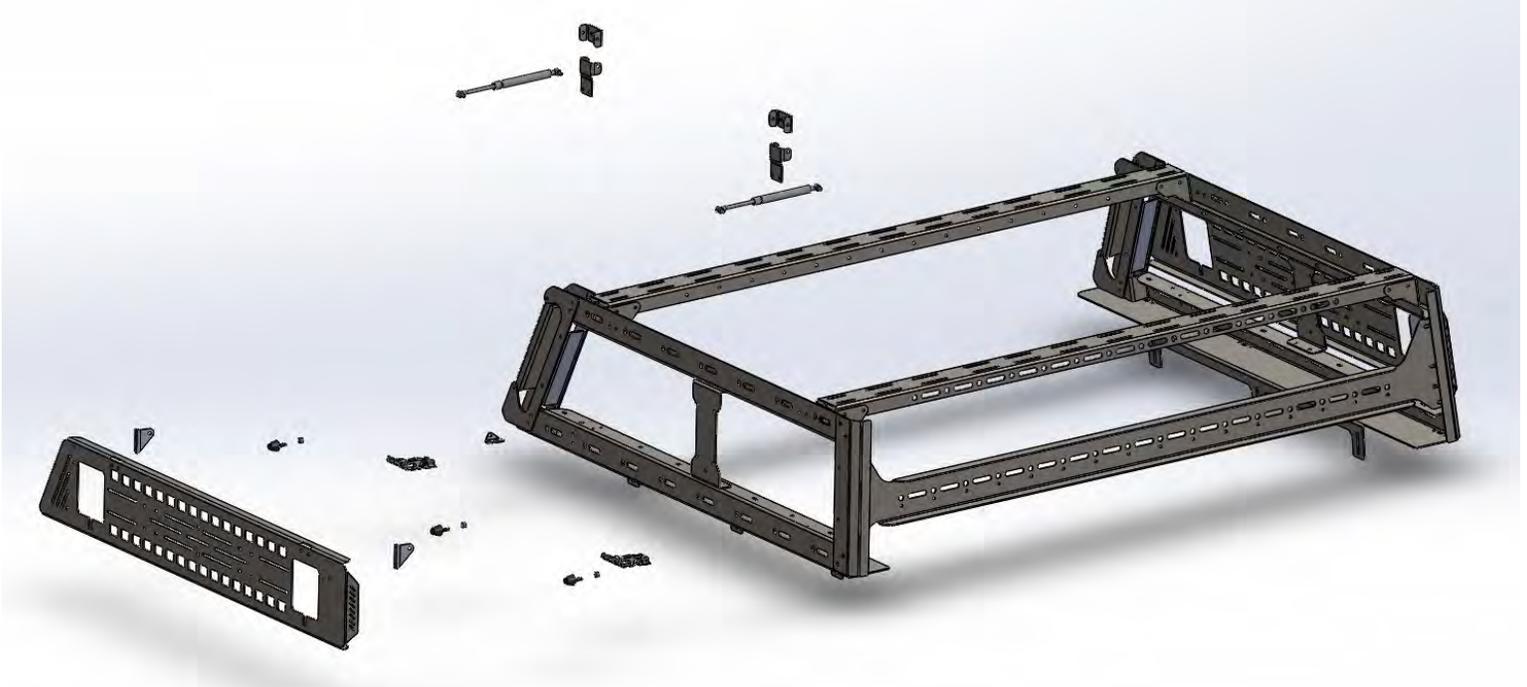
Step 16

With all cross members in position, make any final adjustments to the sides by sliding forward or back to make sure everything lines up on the truck bed. You will now tighten down all bolts. Start with the bolts in the factory bed rails that hold the sides on. Then move to the front cross member and tighten down all eight bolts. Finally, tighten down the two top cross members by tightening the two bolts on each end of the cross member. The top cross members are designed to be moved into any position for the cargo you are carrying. You can even remove the rear top cross member and shift the front top cross member all the way forward to provide the ability to move large cargo like dirt bikes or furniture while the sides remain on the vehicle.



Step 17 - Mounting the Flip Up Accessory Panels

If you purchased the Deluxe Overland Rack, your kit will come with the flip up sides and additional hardware that will be installed after you mount the rack to the truck bed. If you purchased the basic rack, your install is complete.



Step 18

Insert three threaded stud rubber bumpers, one in front, center and rear and secure with washer and nyloc nut.



Step 19

Assemble the hinges using two hex bolts, washers and nyloc nuts. You will have a total of four hinges. Tighten the hex bolts so they are snug but still allow the hinge to move. Install two hinges on each side top rail using two carriage bolts, washers and nyloc nuts.



Step 20

Assemble and install the ball studs for the gas springs. The rear, and the two on the flip up side will be mounted to small brackets and then those brackets mounted to the rack. The ball studs use a 5/16 medium strength nyloc nut to mount to the brackets. Use the button head hex drive screws with washers and nyloc nuts to mount to the flip up sides and rack. Note: Refer to step 22 for ball stud orientation.



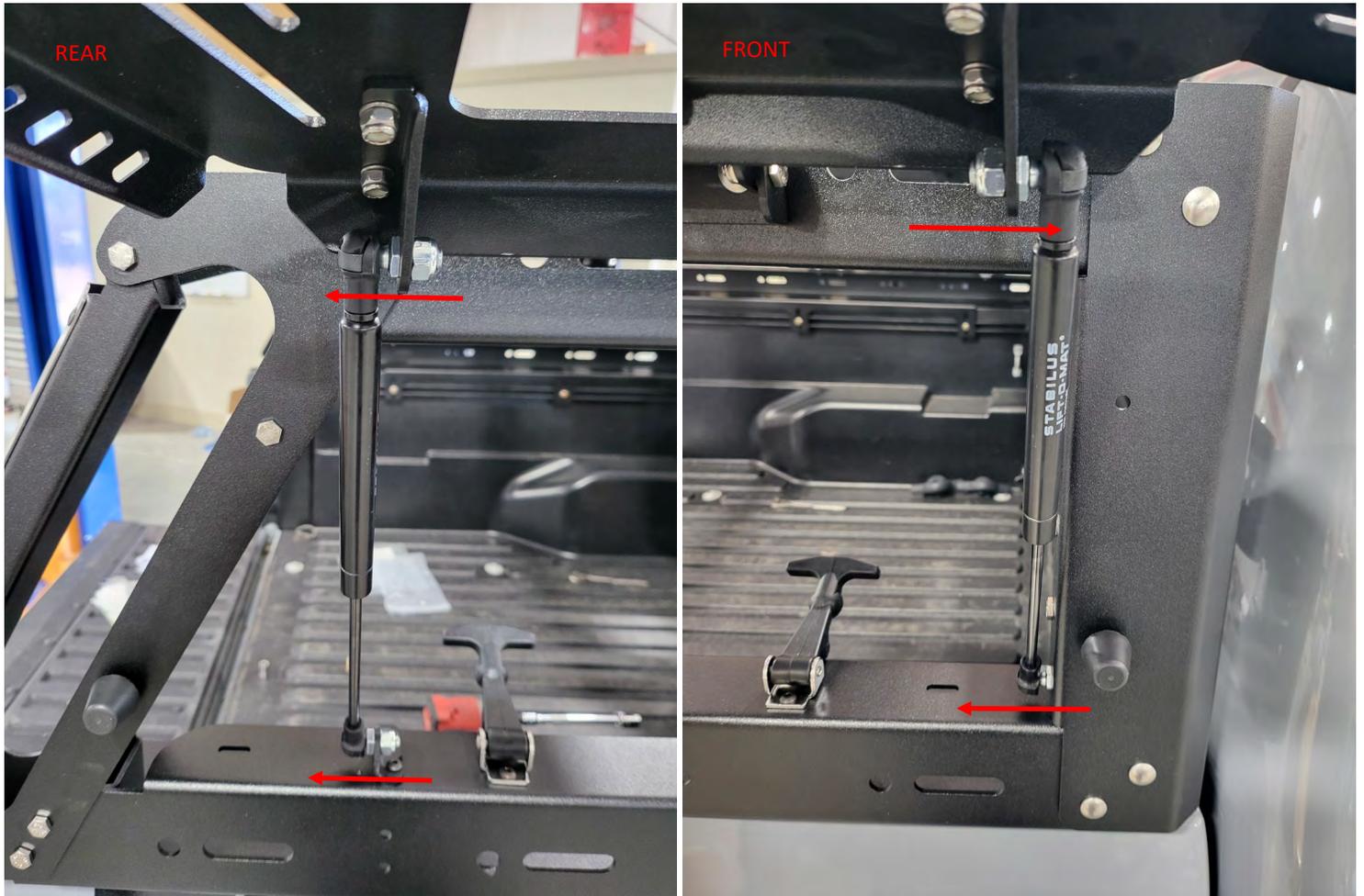
Step 21

Mount the flip up sides to the hinges using carriage bolts, washers and nyloc nuts. Repeat for both sides.



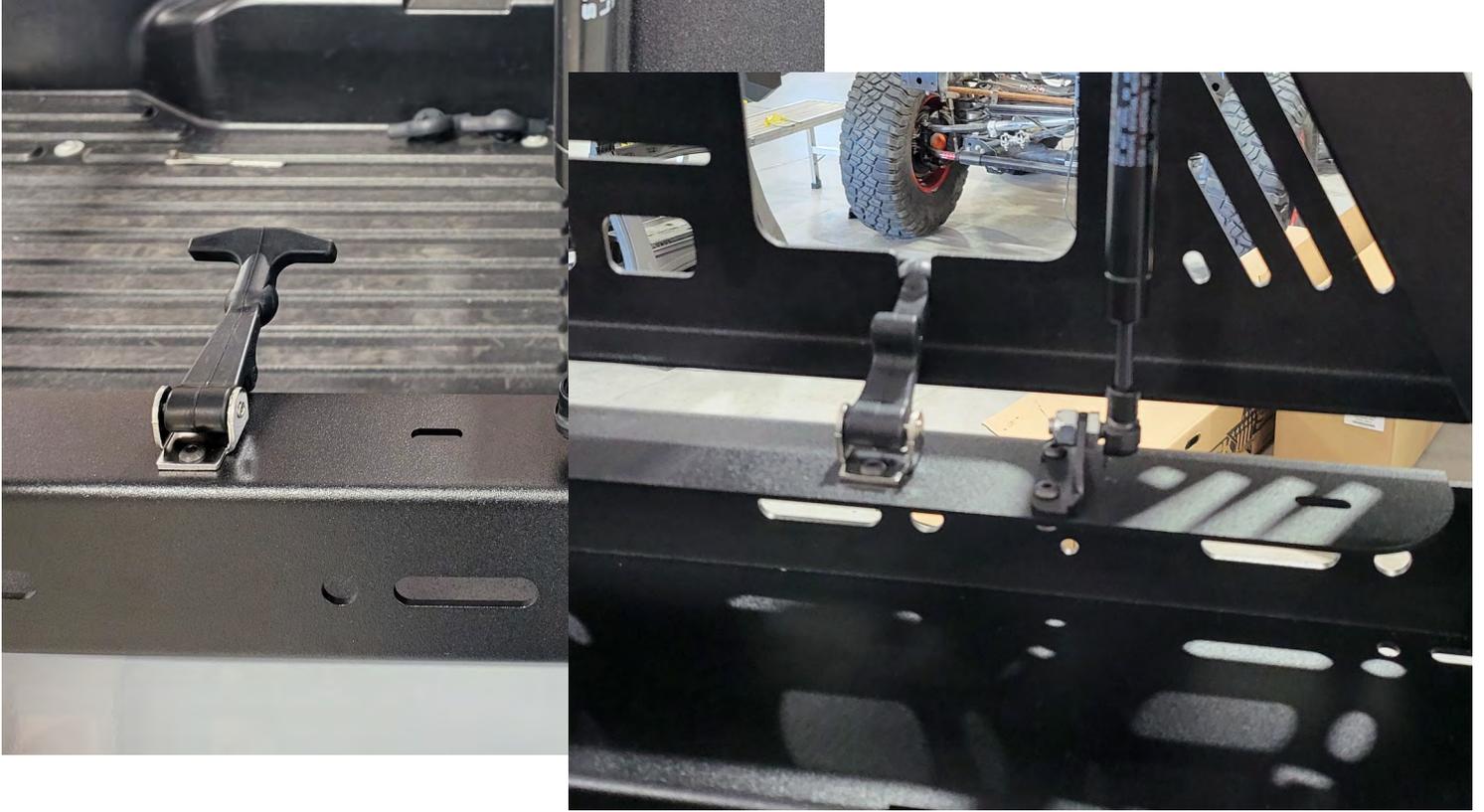
Step 22

Flip up the side and hold open while you install the gas spring onto the ball studs. Two 80lb gas springs are provided for each side. Note the orientation of the ball studs in relation to each other on the front and rear of the flip up side.



Step 23

Install two flexible draw latches to the base of the rack using button head hex drive screws, washers and nyloc nuts.



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