



NEXT VENTURE MOTORSPORTS ADVENTURE FRONT BUMPER INSTALLATION GUIDE

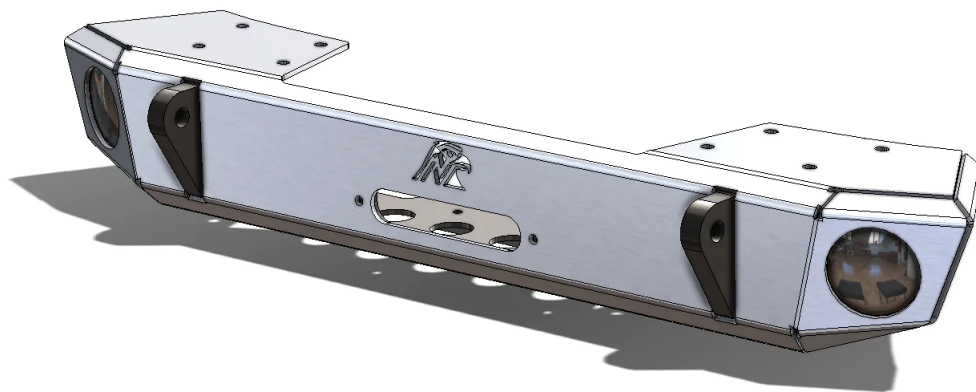
Jeep JL/JT/JK Front Adventure Series Bumper Front Install Guide for NV-JL/JK-00010+11+13

Dear fellow off road enthusiast,

Let's start by saying thank you for choosing Next Venture Motorsports products for your Jeep. Our goal is complete satisfaction and confidence to go hit the trail for our friends and customers. If you have any questions or feedback, please do not hesitate to reach out to us via email or give us a call.

This is an installation guide for the Jeep JL/JT/JK Adventure Series front Bumpers; this is not a 100% illustrated/photographed step by step guide. This guide should be enough for any individual or shop to get the job done; if anything should come up as a question, please give us a call.

We know every rig is different once it has started collecting upgrades, trail character, and modifications. At the time of this writing, confirmation that this kit will fit with every other aftermarket skid plate or other modifications is not guaranteed. This system *should* fit on 2018+ JL Wrangler, 2020+ Gladiator, and 07-18 JK Wrangler regardless of the trim package.



These instructions cover the Jeep JL/JT/JK Adventure Series front bumper installation.

Pre-Installation Notes

Much of this installation can be completed without a helper; a 2nd person can be helpful or necessary to gently guide the bumper assembly on the frame of your Jeep. Installation time is estimated at approximately 1-2 hours.

Tool and equipment recommendations:

Basic Hand Tools (socket set, wrenches, screwdrivers, etc.)

Eye Protection



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Installation

For an installation location, a flat driveway or garage will do. If your Jeep is covered in mud, dirt, clay, or any other naturally occurring form of earth, we recommend going to your local self service car wash and power washing the front of your Jeep where you're working.

After it's dry, park it on a level surface with the e-brake set, and remove the negative battery cable from it's post.

If you leave the battery connected during install, and the keys in your pocket while under the Jeep, it's entirely possible to set off your alarm with your key FOB accidentally. This is funny for bystanders – however not fun to try to turn off while trying to lift your bumper into place

Removing Your Factory Front Bumper

First remove or disconnect all electrical connections to the front bumper; the fog light harness can be disconnected at the passenger side frame rail just aft of the bumper.

Next remove the factory splash guard or skid plate beneath the bumper. There are multiple skid plate/splash guard options available from the factory. Typically they are bolted or clipped into the bottom facing surface of the factory front bumper in addition to being fastened to the crash bar structure.

After the skid plate or splash guard is removed, loosen and remove the factory nuts that hold the front bumper into place. For this step, it can be handy to have a 2nd set of hands ready to remove the bumper when it's ready to come off. The factory bumper is typically held in place with 8 nuts where the front frame rails terminate.



Figure 1: Passenger side frame rail at bumper mounting locations shown at blue arrows - There are 2 more on the other side of the frame rail not shown. Also shown (orange arrow) is the fog light connection that should be unplugged for this step.



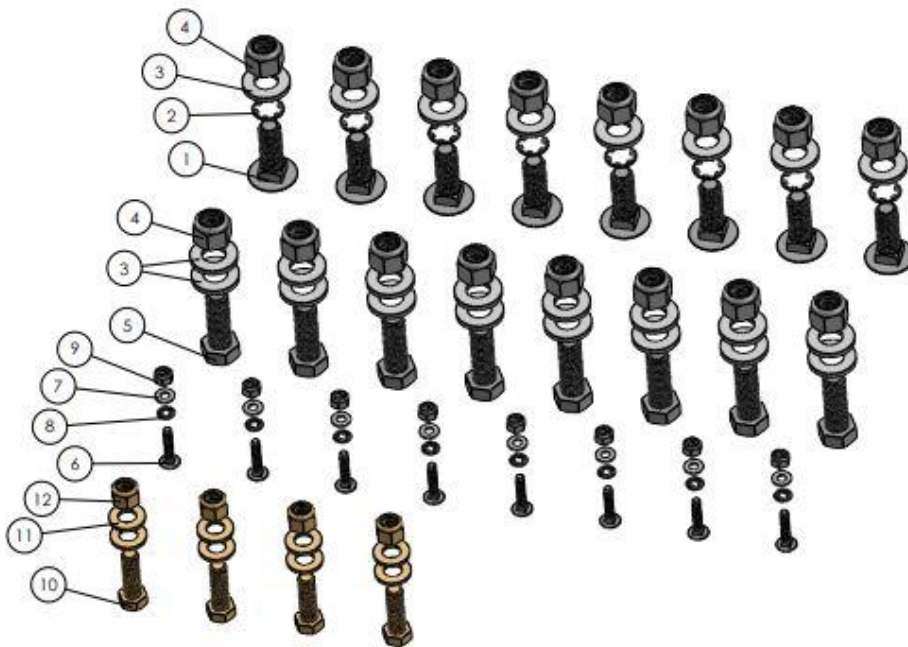
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Front Bumper Hardware Kit

See Figure 2 below for the provided hardware kit. Please note this figure will be referenced throughout the installation process to call out the necessary hardware for each mounting location.

QA: _____
Pulled By: _____
Date: _____
Order #: _____

NV-HWK-JLT-00013



ITEM NO.	PART NUMBER	QTY.	INT.
1	SQCB-.5-13X1.50	8	
2	M12 Retaining Ring	8	
3	.5 Flat Washer	24	
4	.5-13 Nylock Nut	16	
5	HHS-.5-13X1.50	8	
6	SQCB-10-24X1.00	8	
7	No. 10 Flat Washer	8	
8	5/32" Retaining Ring	8	
9	10-24 Nylock Nut	8	
10	HHS-.375-1.6X1.25	4	
11	3/8" Flat Washer	8	
12	3/8"-16 Nylock Nut	4	

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TITLE: NV-HWK-JLT-00013			
SIZE: B	DWG. NO.: NV-JLT-00013 Pack List	REV: 1	
SCALE: 1:5 lbs.		SHEET 1 OF 5	

Figure 2: Adventure series front bumper hardware kit



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Installing the New Front Bumper

We will begin by installing the winch tray. First, position the winch tray on your Jeep's frame rails as shown in Figure 3 below. Use 2 of the provided $\frac{1}{2}$ "-13x1.50" carriage bolts, nuts, and washers (Figure 2 Items #1, 2, 4) on the lower, outside mounting holes of the winch tray to secure it to your Jeep's frame rails. This location is also called out below in Figure 3.



Figure 3: Winch Tray Installed for Adventure series bumpers.



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For JL/JT Wranglers/Gladiators: At this time you can also utilize the provided $\frac{3}{8}$ "-16x1.25 bolts, nuts, and washers (Figure 2 Items #10, 11, 12) to secure the winch tray to the insides of the frame rail. This location is called out in Figure 4a below.



Figure 4a: Red arrows call out the mounting locations to fasten the winch tray to the sides of the frame rails.

For JK Wranglers: Use the provided $\frac{3}{8}$ " bolts and washers to secure the side flanges of the winch tray to your frame. These bolts will thread into the provided nut sticks "E". See Figure 4b below.

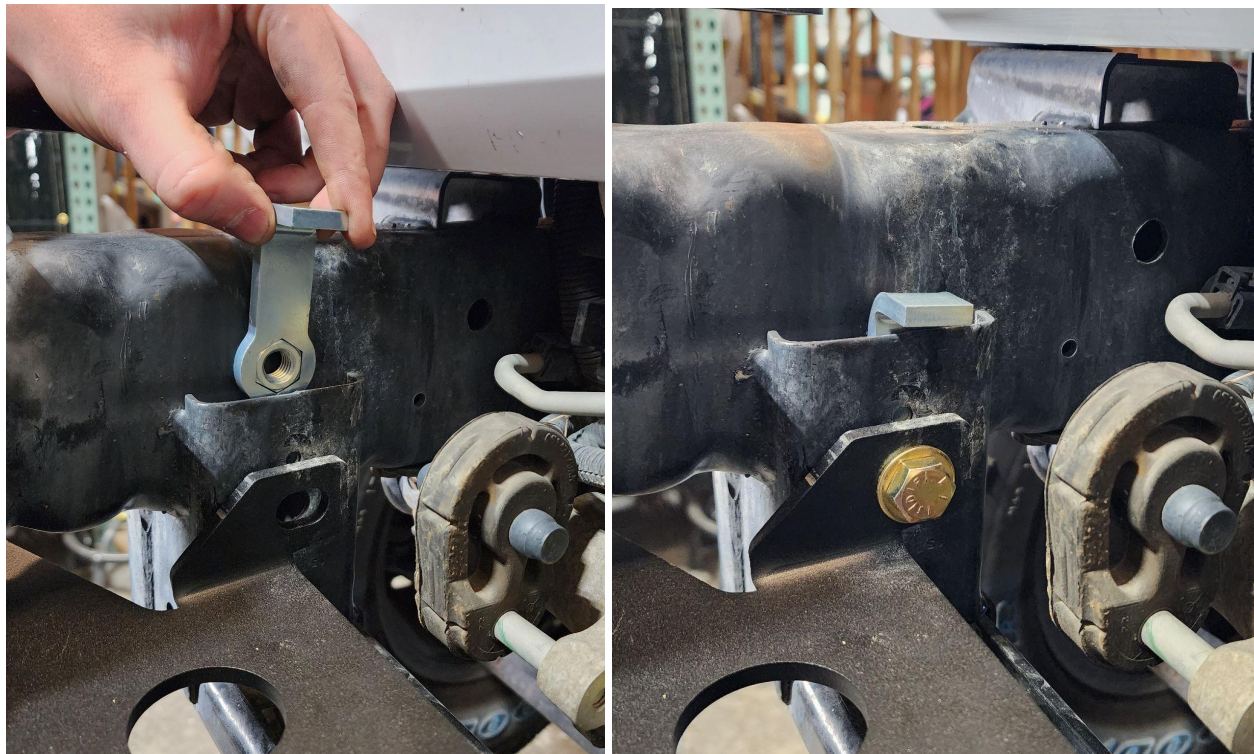


Figure 4b: Use the provided $\frac{3}{8}$ " bolts threaded into nut stick "E" for the rear winch tray side mounts.



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If you are installing a winch, it can be installed at this time. Use the hardware provided with the winch to fasten it to the winch tray through the 4 mounting holes on the bottom of the winch tray, however leave the front 2 holes unpopulated if you have a lower skid plate to install. See Figure 5 below.



Figure 5: Winch installed into winch tray

At this time, if you optioned your bumper with a lower skid, it must be installed as it sits in between the bumper shell and winch tray. See the lower skid installation section below. If you did not option your bumper with a lower skid, skip to the Bumper Shell Installation section.



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Installing the Lower Skid Plate

The lower skid installation for the JL/JT and JK differ slightly. See the applicable section below for your installation.

JL Wrangler and JT Gladiator: Figure 10 below contains the hardware kit for the lower skid plate and will be referenced below.

QA: _____
Pulled By: _____
Date: _____
Order #: _____

NV-HWK-JLT-00013 Lower Skid

ITEM NO.	PART NUMBER	QTY.	INT.
1	HHS-.375-16X1.25	4	
2	3/8" Flat Washer	4	
3	3/8"-16 Nylock Nut	4	
4	SQCB-.5-13X1.50	2	
5	.5 Flat Washer	2	
6	.5-13 Nylock Nut	2	
7	BHCS-.25X.75	2	
8	1/4"-20 Nylock Nut	2	

8

7

8

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NV-HWK-JLT-00013 Lower Skid

SIZE	DWG. NO.	REV
B	NV-JLT-00013 Pack List	1
SCALE: 1:2 lbs.		SHEET 4 OF 5

Figure 10: Lower skid hardware kit



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Figure 11 below contains the components that make up the lower skid plate and will be referenced below.

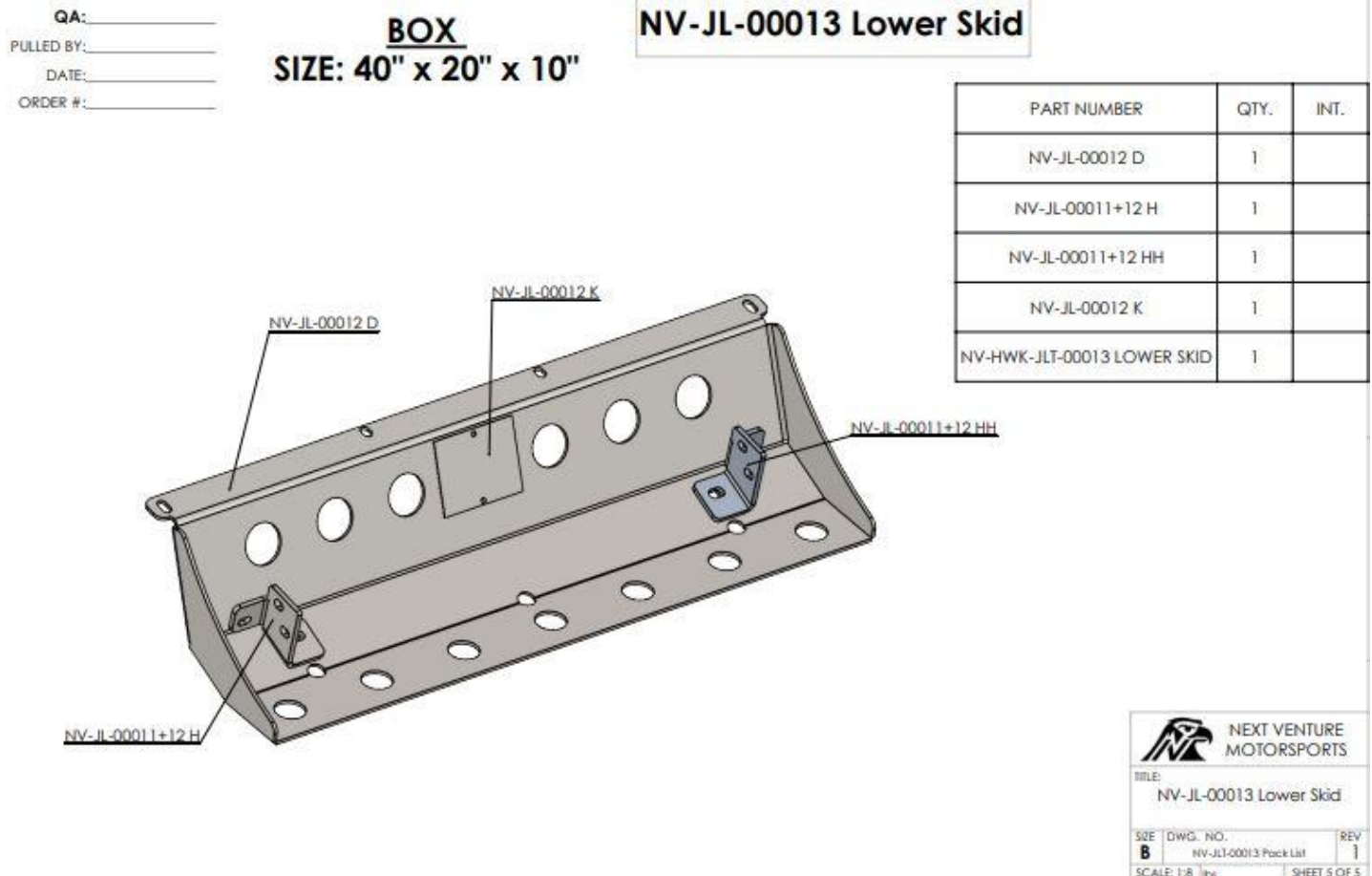


Figure 11: Lower skid components

Aluminum Bumpers Only: First, if you wish to paint or coat your logo backing plate (Figure 11 Part "K"), do so at this time. Once it was been coated as desired, install this plate with the provided .25-20 button head bolts and nylock nuts (Figure 10 Items #7, 8).

Next, install the two lower skid brackets H and HH (Figure 11) onto the frame of your Jeep using the provided 3/8 bolts, washers, and nuts (Figure 10 Items #1, 2, 3). Please note, factory hardware will be reused for 2 of the mounting locations on brackets H and HH. The 3/8 bolts will then bolt through the side holes of the mounting brackets H and HH and be secured by the nylock nuts.



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Once these brackets have been installed, the upper lip of your lower skid will slide in between the bottom of the winch tray and bumper shell. The two center holes on the upper lip of the lower skid will use the winch mounting bolts and the outer 2 holes will use the 2 remaining $\frac{3}{8}$ -16x1.25 hex bolts, washers, and nuts from the bumper hardware kit (Figure 2 Items #10, 11, 12). Finally, the provided $\frac{1}{2}$ "-13 carriage bolts, washers, and nuts (Figure 10 Items #4, 5, 6) will be used to fasten the lower skid plate to the mounting brackets H and HH. See Figure 12 below.



Figure 12: Red arrow calls out final mounting location for lower skid using $\frac{1}{2}$ " carriage bolts



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JK Wrangler: Figures 13 and 14 depict the hardware and lower skid components, respectively. Please note, with aluminum bumpers there will be a logo backing plate that can be painted/coated as desired and installed onto the skid first with the provided $\frac{1}{4}$ " bolts and nuts.



Figure 13: JK Lower Skid Hardware

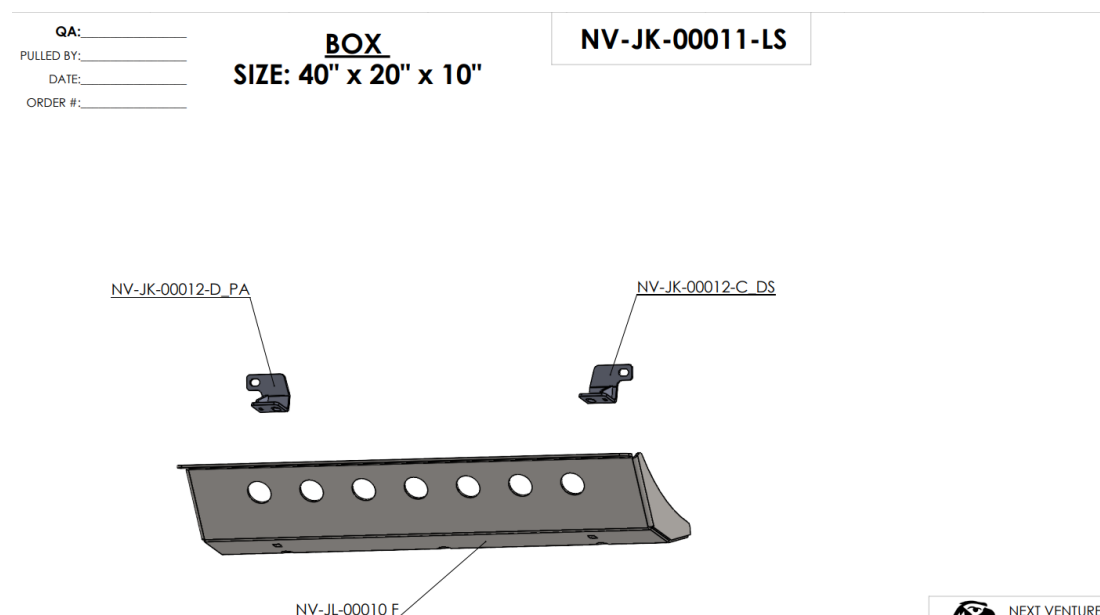


Figure 14: JK Lower Skid Components



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Begin by loosely bolting the lower skid brackets to the lower skid using the provided $\frac{1}{2}$ " carriage bolts.

Next, we recommend lifting the skid into place and loosely securing it to the bottom of the winch tray with the provided $\frac{3}{8}$ " bolts, washers and nuts.

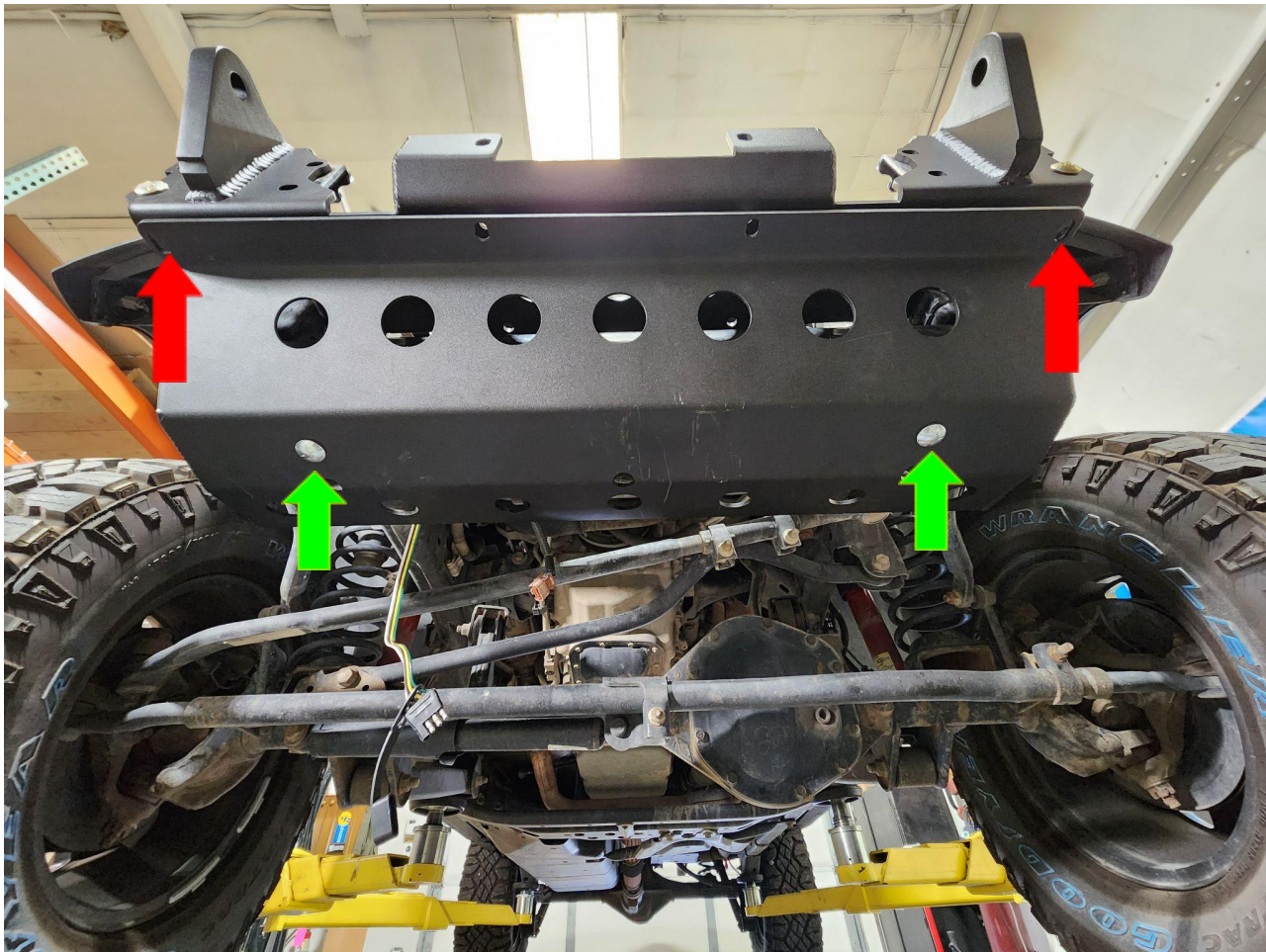


Figure 15: The lower skid brackets should be attached to the lower skid (green arrows) and the lower skid should be loosely attached to the winch tray (red arrows) at this time.



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Once the skid plate is loosely secured to your Jeep via the winch tray, the lower skid brackets can be bolted to the frame of your Jeep. Use the provided $\frac{3}{8}$ " bolts, washers, and nuts to secure the brackets as shown below in Figure 16.

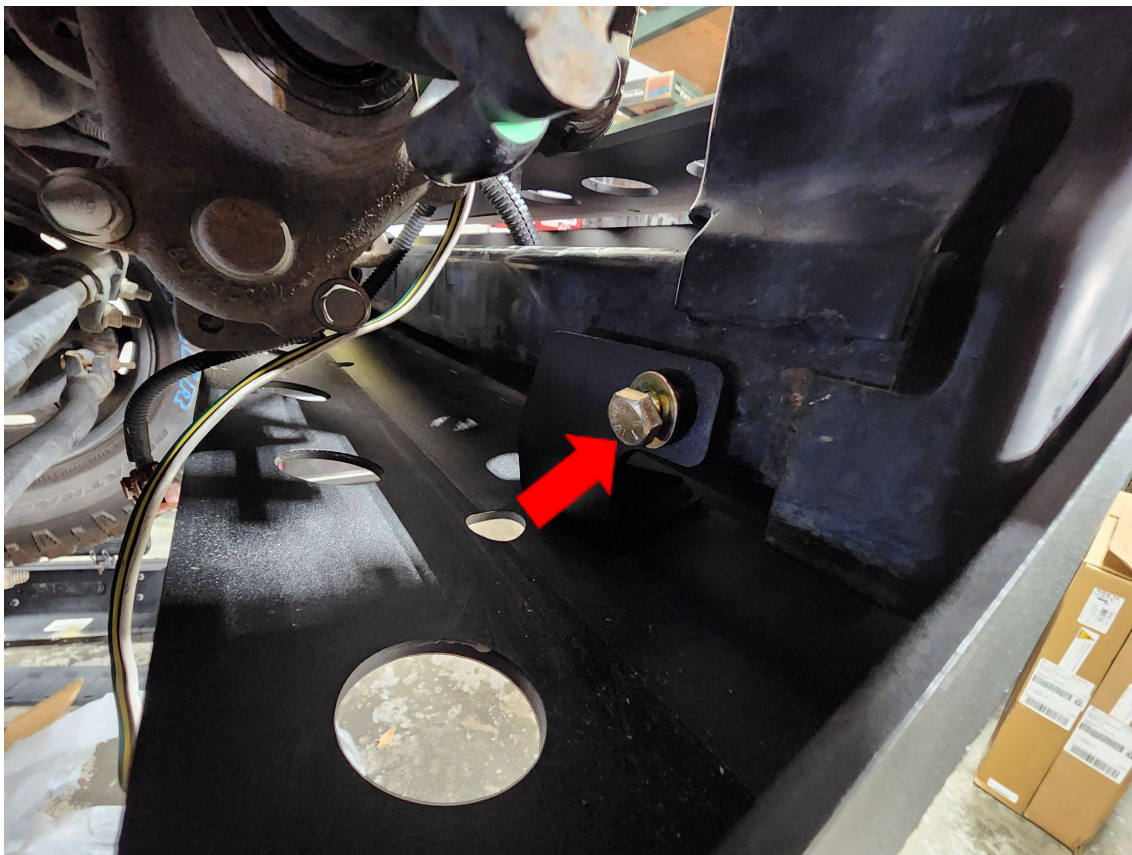


Figure 16: Secure the lower skid brackets to the frame as shown.

Finally, install the final 2 winch bolts through the lower skid and into the winch. If you are not running a winch at this time, use the last 2 provided $\frac{3}{8}$ " bolts, washers, and nuts to secure the center 2 mounting points of the lower skid to the winch tray.



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Bumper Shell Installation

Next, install your factory fog lights into the bumper shell. These will use the included 10-24x1.00 carriage bolts, retaining rings, washers and nuts (Figure 2 Items #6, 7, 8, 9). First, install the carriage bolts from the front side of the bumper through the mounting brackets and secure them with the provided retaining rings. See Figure 17 below.



Figure 17: Install 10-24 carriage bolts with retaining rings before installing factory fog lights

Now, slide the factory fog lights over the carriage bolts and secure them with the washers and nylock nuts.



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At this time, install the remaining 6, ½" carriage bolts into the bumper shell and secure them with the provided retaining rings (Figure 2 Items #1, 2). See Figure 18 below.

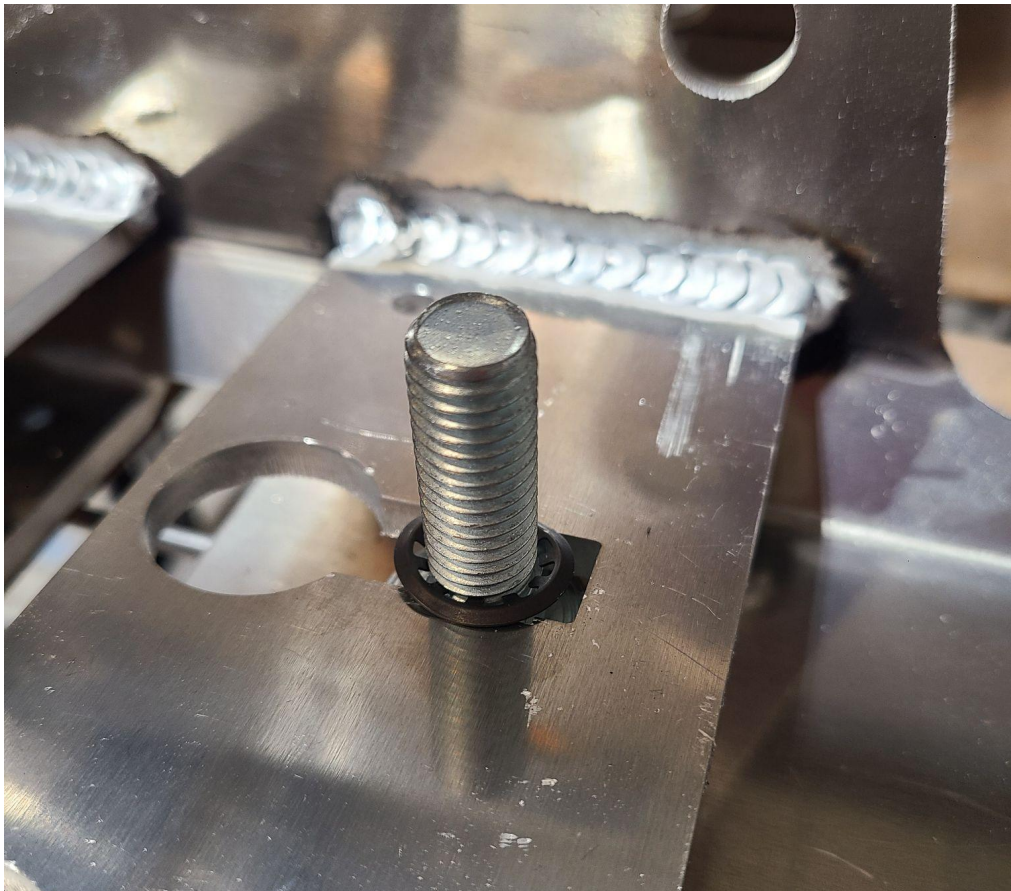


Figure 18: Install remaining carriage bolts into bumper shell and secure them with provided retaining rings. Please note that the cutouts to insert the carriage bolts may look different than on this bumper, however they will function the same

Once the remaining carriage bolts have been installed with the retaining rings only into the bumper shell, feed the winch rope (if applicable) through the fairlead hole before sliding the bumper shell on into place. The carriage bolts installed into the bumper shell should now go through the bumper shell, winch tray, and your Jeep's frame.

At this time, you can use the remaining provided ½"-13 nylock nuts and washers (Figure 2 Items #3, 4) to secure the bumper shell to the winch tray and frame of your Jeep.

Finally, if you optioned your bumper with a stinger, proceed to the next section. If you did not option your bumper with a stinger, install the provided ½" bolts, washers, and nuts into the top of the bumper shell. Only the 4 outermost holes are necessary as these secure the bumper shell to the winch tray, however all 8 may be installed for visual consistency if desired. See Figure 19 below.



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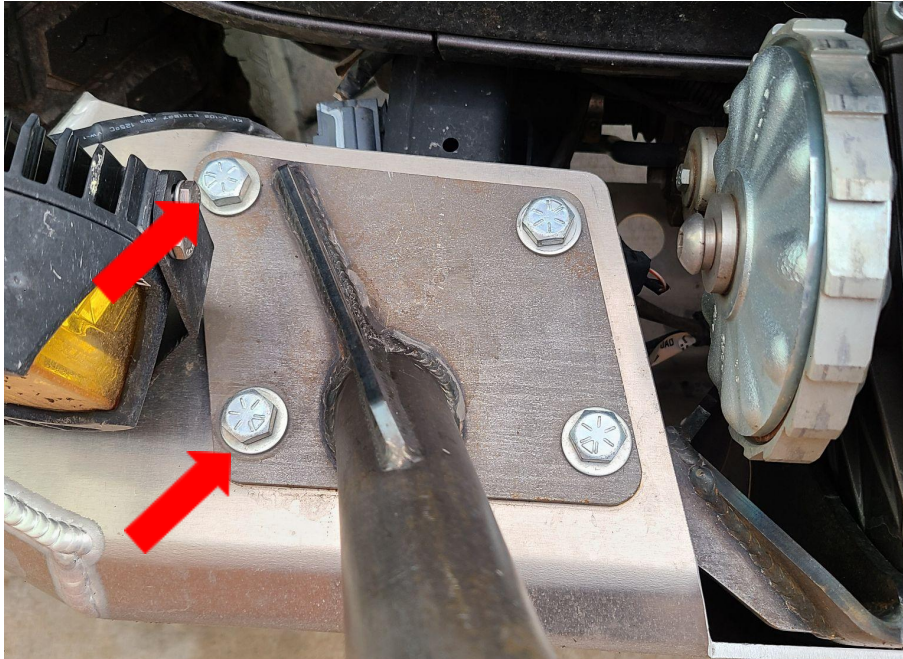


Figure 19: If you do not have a stinger, the outer bolts on the top of the bumper must be installed at this time. The red arrows call out the necessary bolts, the other 4 may be installed if desired.

Optional Stinger Installation

If you optioned your bumper with a stinger, it can be installed at this time. Use the provided $\frac{1}{2}$ "-13x1.50" bolts, washers, and nuts (Figure 2 Items #3, 4, 5) to bolt your stinger to the top of the bumper shell. Please note that 4 (total, 2 per side) of these bolts will also go through the winch tray.

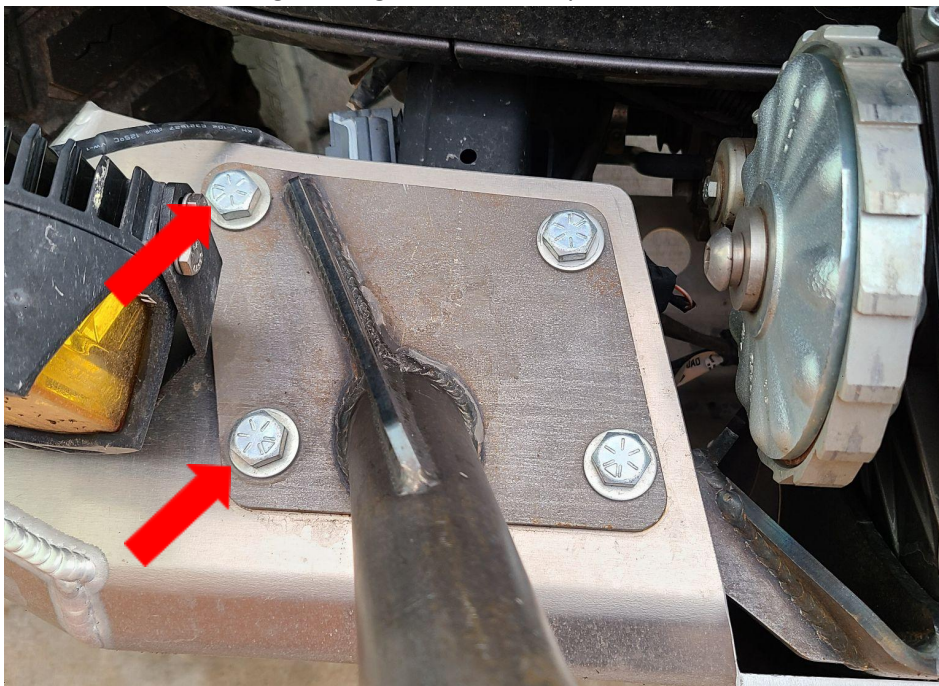


Figure 20: Stinger mounting bolts. Note that the bolts called out with red arrows will also go through the winch tray.



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Post Installation Notes

Check that all bolts are installed and tight, ensure your wiring is secure and clear of any moving parts or vehicle components that get hot, reconnect your battery.... And go hit the road or the trail! We recommend checking the hardware after the next 500 miles of driving

Questions?

Email us at Info@NextVentureMotorsports.com or give us a call at 970 462 7368

-Dan and the Next Venture Team