

# INSTALLATION GUIDE



## SAFETY

**THE SAFETY OF YOU AND OTHERS IS VERY IMPORTANT TO US!**

In order to minimize this risk and make an informed decision about safety, it is important that you carefully read and follow the installation instructions we have provided.

We urge you to use your own good judgment and allow plenty of time for install.

## HAZARD CHECKLIST

1. Always wear personal protective equipment (PPE) such as: protective eye wear, gloves, close toed shoes, etc.
2. We recommend that you use a certified mechanic or shop for professional installation.
3. Always set emergency brakes on vehicle and use tire blocks to ensure vehicle stabilization.
4. Use caution when lifting, we recommend the use of equipment to help lift bumpers into place.
5. Use caution when using power tools such as air ratchet, etc.
6. Take caution when installing wiring.
7. Perform regular inspections of hardware, bolts, brackets, etc.
8. Rigid light brackets are specifically designed to fit Rigid lights, we do not guarantee off brand fitment.
9. Our winch mount is designed for Warn and Superwinch products. We do not guarantee off brand fitment.

## USE & RISK

Bodyguard Products LLC is not responsible for damage to our products, or other subsequent damage that might occur, as a result of misuse or improper installation. While we do manufacture products that appear stronger than factory parts, our products should not be viewed or relied upon as life-saving devices in the event of a collision or rollover. We make no claims relating to airbag compatibility, crashworthiness, or sturdiness. It is the customer's responsibility to check with the vehicle manufacturer or auto dealer regarding airbag compatibility and automobile manufacturer's warranty before installing our products.

### PREPARATION

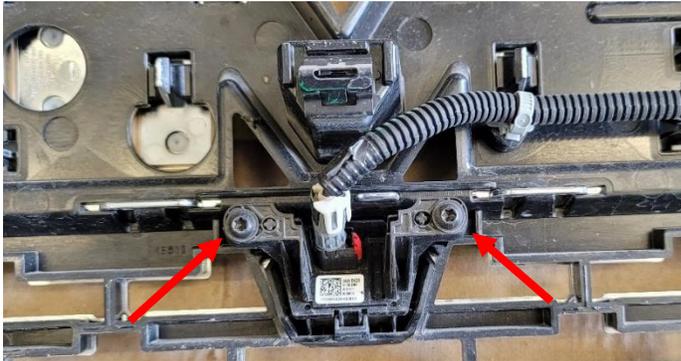
- Ensure personal safety by checking for hazards and identifying risks.
- Check for correct hardware.
- Check for tools needed.
- Use either foam or tape on fenders to prevent scratches to the truck when installing your bumper.
- Please allow approximately 3-4 hours for installation.

### HARDWARE

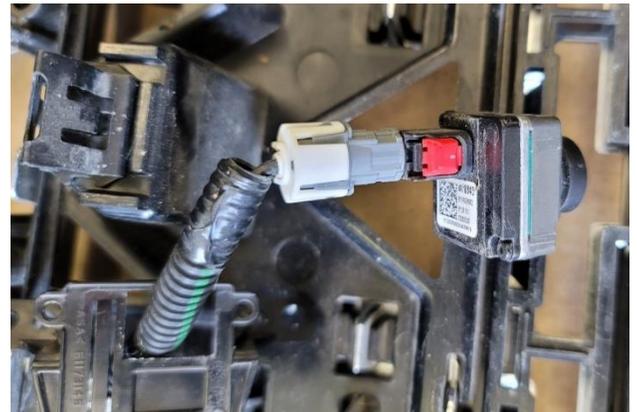
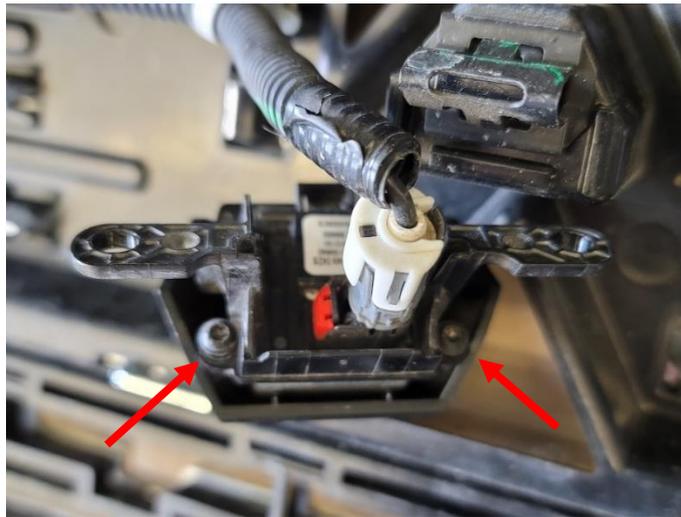
<b>A2L-HK-FCS</b>	<b>A2L Front Center Section:</b>	<b>Qty</b>
	1/4-20 x 5/8 Long, Stainless Steel SBHCS	20
	1/4-20 (.093-.126: Panel Range) Zinc Electroplate Spring Steel Cage Nut	20
<b>A2L-HK-FFL</b>	<b>A2L Front Fog Light</b>	<b>Qty</b>
	1/4-20 x 5/8 Long, Stainless Steel SBHCS	15
	1/4-20 (.093-.126: Panel Range) Zinc Electroplate Spring Steel Cage Nut	15
<b>A2L-HK-FLP</b>	<b>A2L Front License Plate</b>	<b>Qty</b>
	Plastic License Plate Nuts	4
	1/4-20 x 3/4 Long, Stainless Steel SBHCS	2
	1/4-20 Hex Grade 5 Serrated Flange Nut, Stainless Steel	4
	#14 x 5/8" Zinc License Plate Screw	4
<b>A2L-HK-FLB</b>	<b>A2L Front Light Bar Mount</b>	<b>Qty</b>
	1/4-20 x 5/8 Long, Stainless Steel SBHCS	6
	1/4-20 Hex Grade 5 Serrated Flange Nut, Stainless Steel	6
<b>A2L-HK-GFL19</b>	<b>A2L Front Mount Kit 19+ GM 1500</b>	<b>Qty</b>
	1/2-13 x 1-1/2 Long, Grade 8 HB Zinc-Yellow	8
	1/2" Washer, Grade 8 Zinc-Yellow	22
	1/2"-13 Grade 8 Steel Serrated Flange Nut Zinc	12
	1/2" x 1 1/2" Tear Drop Bolt	4
	5/16"-18 x 1" Zinc Grade 5 Hex Bolt	12
	5/16" Zinc Grade 5 Flat Washer	24
	5/16"-18 Zinc Grade 8 Serrated Hex Flange Nut	12

**SPORT BAR CAMERA RELOCATION (Optional)**

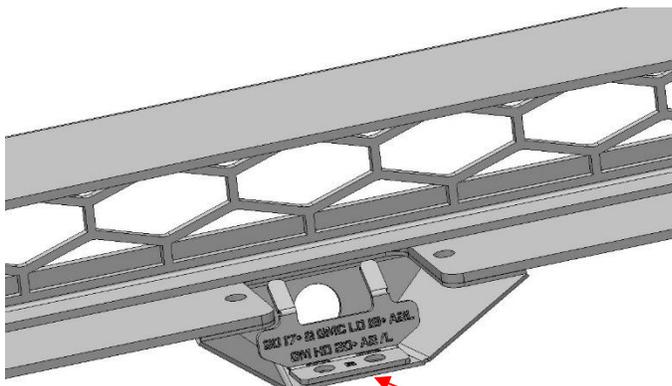
1. Remove camera from grille by removing the two torx screws shown below.



2. Remove camera from factory camera bracket by removing the two torx screws shown below, then disconnect the camera from the wiring harness.



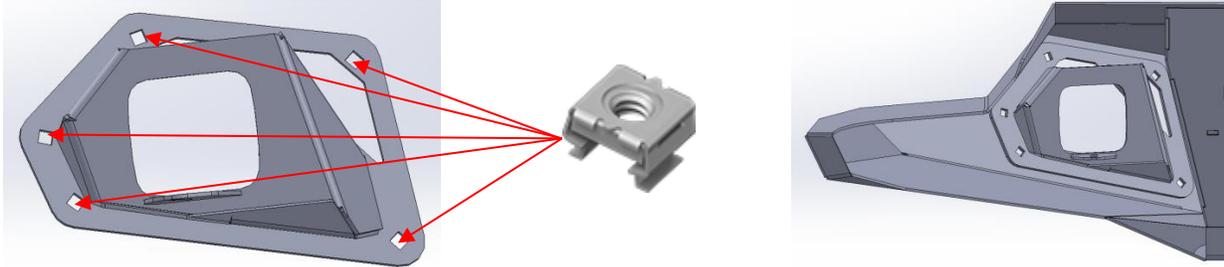
3. Now, using the optional **89758 camera harness extension** (this extension is only needed if you have a sport guard or grill guard). Re-route your front camera to the camera channel on the sport bar. Insert camera into the camera hole and secure using the provided camera bracket and 1/4"-20 hardware.



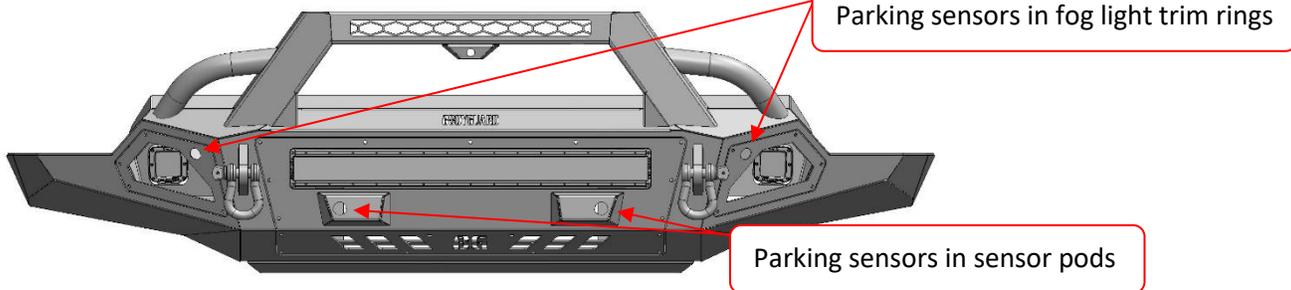
Camera Bracket

## FOG LIGHT INSTALLATION

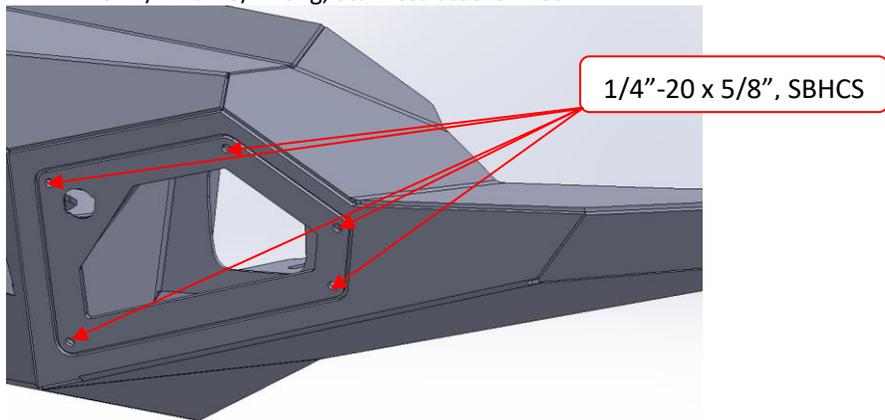
1. First install cage nuts onto the backside of the fog light buckets.
2. Next place the foglights onto the backside of the bumper.



3. Before installing the sensor ring. Remove your parking sensors from your factory bumper and clip into the (4) sensor locations show below.



4. Next place the sensor trim ring on the front side of the bumper and secure to the fog light bucket with 5x 1/4-20 x 3/4 Long, Stainless Steel SBHCS



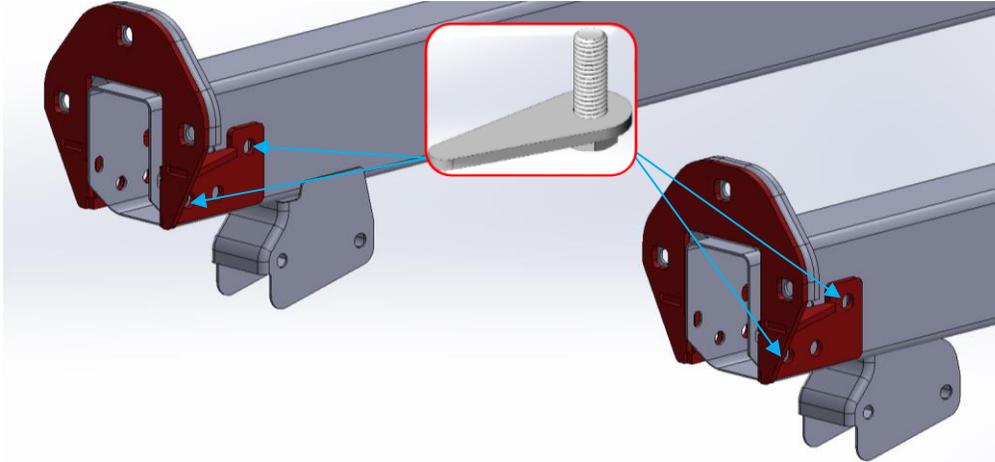
## SKID PLATE CAGE NUT INSTALLATION

1. install cage nuts onto the backside of the skid plate trim ring.



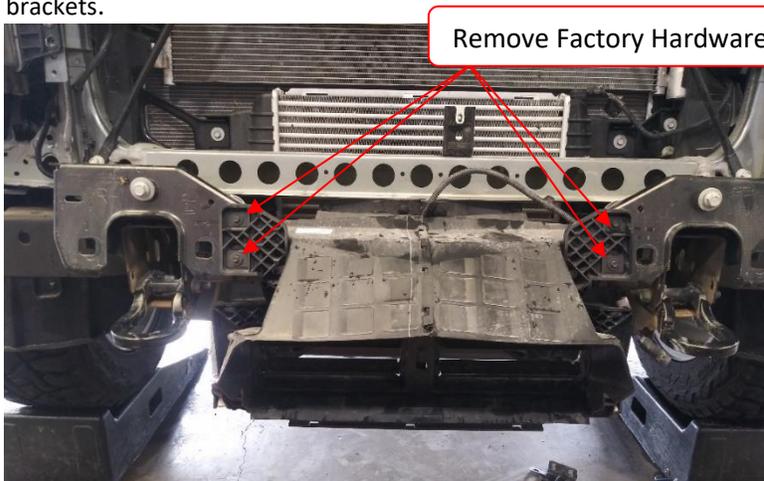
## MOUNT INSTALLATION

1. Install the frame mounts on each side of the frame with the following teardrop bolts. You will use five teardrop bolts per side. One side of the frame will have two available holes and the other side of the frame will have three.



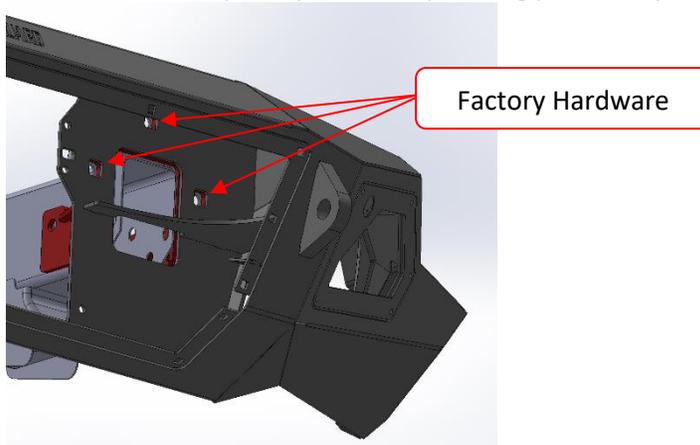
## AIR VENT REMOVAL

1. Once the factory bumper is removed. Un bolt the four factory bolts holding the Air Vent to the factory bumper brackets.



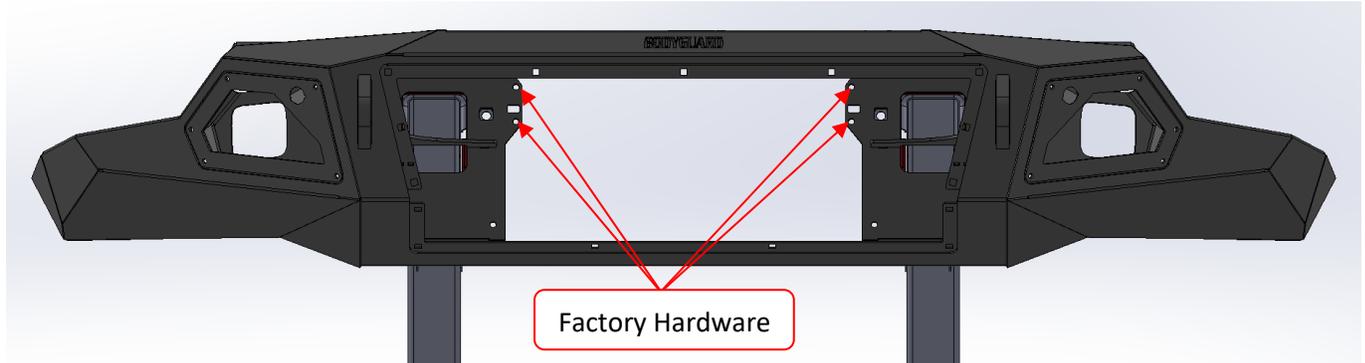
## BUMPER INSTALLATION

1. Next install the bumper to your truck by re using your factory hardware that bolted the factory bumper to your frame.



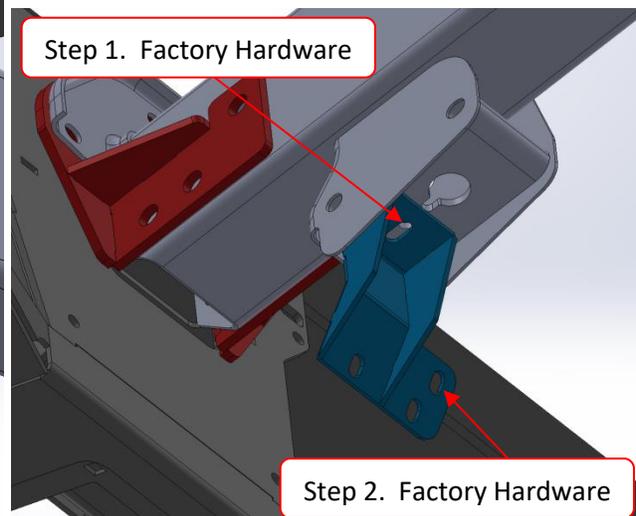
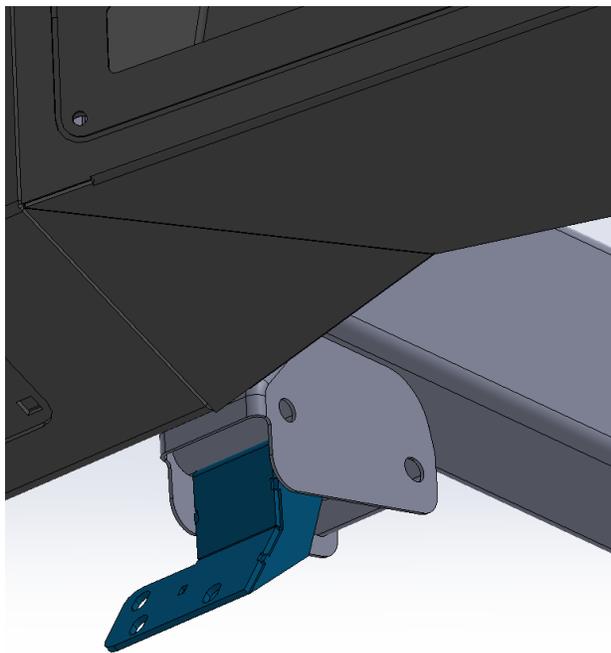
## AIR VENT INSTALLATION

1. Secure the Air Vent to the bumper using the same 4 factory bolts that you removed to uninstall the Air Vent



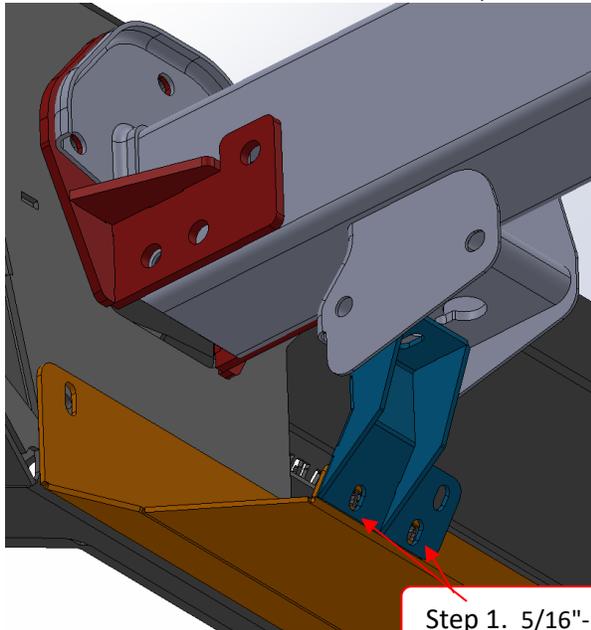
## SKID PLATE BRACKET INSTALLATION

1. Next Place the Skid Plate Brackets shown in blue onto the bottom side of the frame. This will bolt to the frame using a factor bolt that would have been removed when uninstalling the bumper. Do not tighten this bolt all the way just yet. This mount has a slot in it to move back and forth to allow the skid plate to be installed in the following steps.
2. Next using the hole labeled Step 2 in the above image. Secure the Air Vent to the blue mount. This will also use a factory bolt that was removed to uninstall the factory bumper.

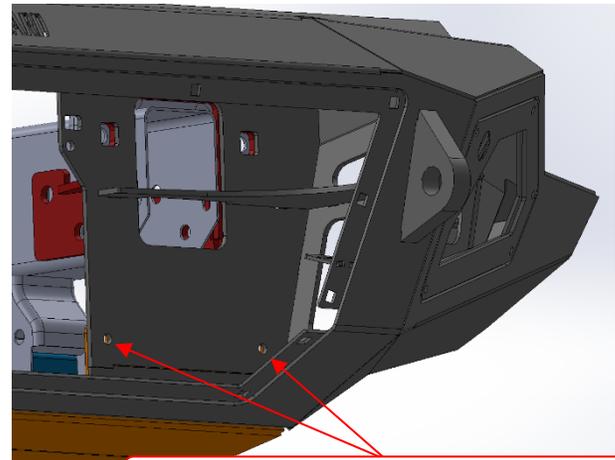


## SKID PLATE INSTALLATION

1. Next Place the Skid Plate shown in orange between the Brackets and the Bumper. Bolt the Skid Plate to the Skid Plate Brackets with two 5/16"-18 x 1" Zinc Grade 5 Hex Bolt on each side.
2. Next bolt the Skid Plate to the Bumper with two 5/16"-18 x 1" Zinc Grade 5 Hex Bolt on each side.



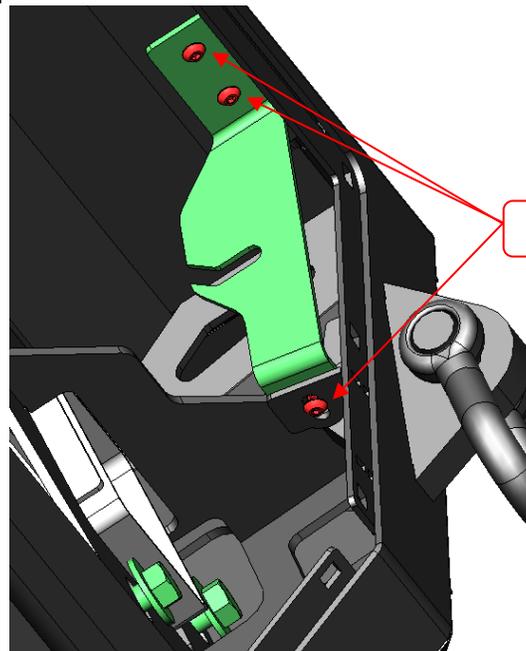
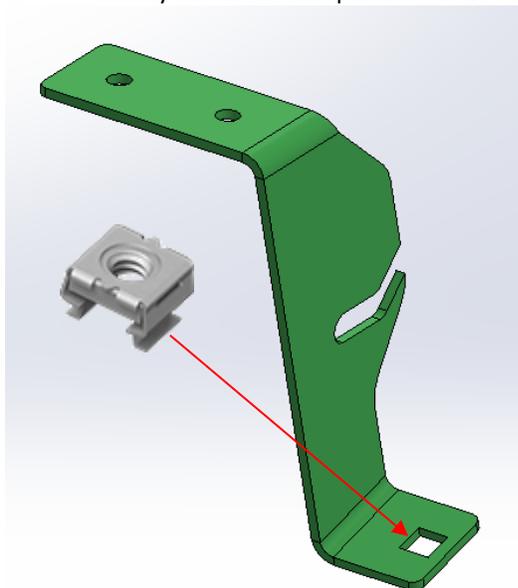
Step 1. 5/16"-18 x 1" Zinc Grade 5 Hex Bolt



Step 2. 5/16"-18 x 1" Zinc Grade 5 Hex Bolt

## LIGHT BAR INSTALLATION

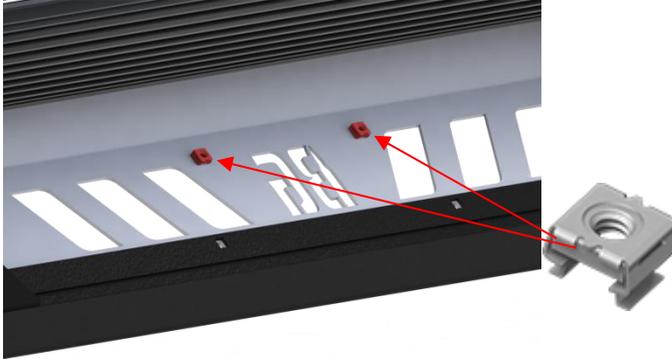
1. Install 1x (1/4-20 Zinc Electroplate Spring Steel Cage Nut) onto each lightbar mount.
2. Next Install 3x (1/4-20 x 5/8 Long, Stainless Steel SBHCS) securing the lightbar mount to the bumper.
3. install your lightbar onto the mounts.
4. Finally install the skid plate onto the bumper.



1/4"-20 x 5/8", SBHCS

## LICENSE PLATE INSTALLATION

1. Install 2x **(1/4-20 Zinc Electroplate Spring Steel Cage Nut)** into square holes on each side of BG logo.



2. Next Install 2x **(1/4-20 x 5/8 Long, Stainless Steel SBHCS)** securing the lightbar mount to the bumper.
  3. install your lightbar onto the mounts.
  4. Finally install the skid plate onto the bumper.
  5. Then install license plate bracket to skid plate using 2x **(1/4-20 x 5/8 Long, Stainless Steel SBHCS)**
- Note: License plate bracket shown above may look different than the one shipped with your bumper.**



1/4-20 x 5/8 Long, Stainless Steel SBHCS

## FINISHING UP

- Install shackles.
- Confirm that all hardware is tightened and everything is secure.
- Secure wiring harnesses for lights and sensors.
- Reconnect the battery.
- Test all lighting and wiring before using vehicle (fog lights, sensors, etc.).

## MAINTENANCE

- Periodically check that all hardware is tightened and that all wiring and connections are secure.
- Periodically check that all sensor plugs are secure.
- Routinely wash bumper to maintain the powder coat finish.

## FEEDBACK

We'd love to hear from you!

Please send your pictures, testimonials, comments, or suggestions to us by email at [info@bodyguardbumpers.com](mailto:info@bodyguardbumpers.com). We frequently use customer pictures for brochures and marketing materials, and we always welcome customer feedback to ensure quality improvements within our company. Thanks for your purchase; we appreciate your business very much!

Where **STRENGTH** Meets *Style!*™



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