



# ULTRA FRONT BUMPER

## 2017-\* SUPER DUTY



## INSTALL GUIDE

LAST UPDATE 5/10/24 v2

### PLEASE READ ENTIRE GUIDE BEFORE INSTALLATION

Recommended that you read this entire install guide before installation. Check that all hardware is present before starting or scheduling an install. This guide is supplemental to mechanical knowledge and ability. Anyone not familiar with automotive installation should seek professional installation.



# INSTALL GUIDE

## IMPORTANT INFO/FAQ

### INSTALL GUIDE

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#### INSTALLATION HELP

Please review terms and conditions for details

Recommended purchaser review Welcome Guide at time of purchase for details

Care and Maintenance available at [www.exp-one.com/resources](http://www.exp-one.com/resources)

We do our best to offer timely assistance with your installation questions however as most of our team members are primarily engaged in the manufacturing process and packaging processes, we do not currently offer a tech for on-demand calls and inquiries. For the more technical installs or installs that are time-sensitive in nature, we would recommend our customers seek out the services of professional shops with experience specific to aftermarket bumpers that can better meet your needs. We are happy to make recommendations to you on shops familiar with our products in your area. We do our best to respond to installation questions within 24-48 hours of contact as much as possible. Long-distance problem assessment can be difficult, so photos and videos are often required for us to best assist you. We highly recommend your initial contact regarding installation questions include both close-up and full photos, detailed descriptions using our part descriptions as much as possible, and video. This enables us to better assist without having the ability to see the install difficulties directly and assist you as quickly as possible.

#### NOTE

Expedition One does not guarantee fitment with other aftermarket products, or reinstallation of take off OEM parts.

Expedition One is NOT RESPONSIBLE for damage to paint or powder coating, items assembled in error during installation or costs associated with install

OEM manufacture model refreshes/updates, factory build location and suppliers may cause variations in fitment or installation and can not be verified, vehicle to vehicle .

\*This product contains chemicals known to the state of California to cause birth defects or other reproductive harm. For more information go to [www.p65warnings.gov](http://www.p65warnings.gov)\*

GSA# GS-30F-013CA

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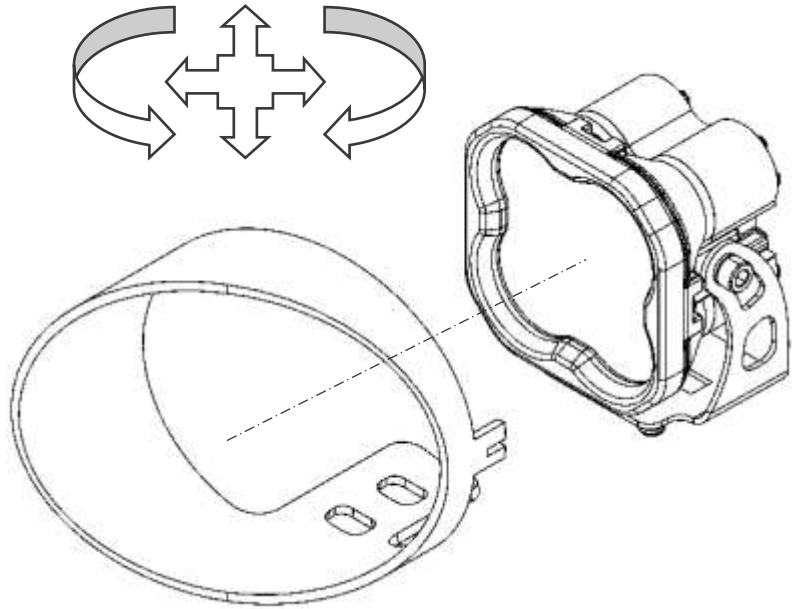
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## INSTALL GUIDE

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### LIGHTPORTS

To give you a wide range of options from various brands and designs, the light ports were designed to be as universal as possible. Not all mounts or designs will fit exactly and may require the use of shims, spacers, light manufacture mounts or different hardware to mount. Reuse of OEM light is limited to select bumpers and will come with provided hardware to reinstall. It is recommended that lights be purchased with the bumper in hand to gain the best fitment. We **DO NOT** manufacture the lights, provided wiring, or instructions on how to connect to the OEM harness.



EXAMPLE SHOWN – LIGHT PORTS VARY

### WINCHES

We use the most common bolt patterning but cannot guarantee your particular winch will fit. Because there are so many different brands on the market for winches, we typically recommend you wait until you have your bumper in-hand and ideally even installed to have specific measurements for best fit for your application. Integrated and Non-Integrated solenoid fitment varies by vehicle, model, and engine. Non-integrated solenoids will need to be relocated to an open location with-in the bumper, engine bay, or other open location. We **DO NOT** provide mounts or instruction for relocation of the solenoid. Most bumpers use a foot forward mount and will require the winch to be clocked ( see winch manufacture for details). Winch plates or direct mounting locations will be provided with the bumper, see install guide for details. See winch manufacture for hardware, associated parts, or fairleads. We **DO NOT** manufacture the winch, provided wiring, or instructions on how to connect to the vehicles power.

### AFTERMARKET or OEM PRODUCTS

We **DO NOT** guarantee fitment or installation of any aftermarket, third party or OEM parts, accessories, or hardware. This includes items such as lighting, winches, skids, lifts, suspension, and accessory mounts. Access to all brands, manufactures and country of origin specific parts is limited or impossible during the product development stage and subsequent new or modified revisions of said products including OEM design changes or refreshes. It is recommended you have the product in hand and installed before modifying with other aftermarket parts. Consult forums or other sources to gain any firsthand knowledge of other products others have installed.
















### INSTALL GUIDE

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#### HARDWARE

Please review for details and installation. Figures or data may vary. Leave all accessible hardware loose for installation and tighten all hardware after everything is installed on the vehicle. Check and retighten all hardware after the first 100 miles and/or after off roading. **Some hardware locations do not require being tightened to spec due to there design, location or material attachment (including rubber, plastic, and aluminum).** Over tightening may break or damage parts. Torque spec may vary, amounts listed are generic.

HARDWARE		TORQUE SPEC – FT.-LBS.	
SIZE	SOCKET WRENCH	GRADE 5 M- 8.8	GRADE 8 M – 10.9
#8	1/4"	X	
#10	5/16"		
1/4"	7/16"	6-8	9-10
5/16"	1/2"	13-14	18-20
3/8"	9/16"	23-26	33-37
7/16"	5/8"	37-41	52-58
1/2"	3/4"	57-64	80-90
9/16"	13/16"	X	
5/8"	15/16"		
3/4"	1-1/8"		
7/8"	1-5/16"		
1"	36MM		
M6	10MM	9-10	13-15
M8	13MM	22-24	32-35
M10	15MM	44-49	64-72
M12	18MM	76-83	112-123

TYPES OF HARDWARE		
		
HEX CAP BOLT	WASHER	NYLOC NUT
		
BUTTON HEAD BOLT	FENDER WASHER	HEX NUT
		
CARRIAGE BOLT	INTERNAL TOOTH	JAM NUT
		
SOCKET CAP BOLT	CLIP NUT	ACORN NUT
		
FLAT HEAD SCREW	RIVET NUT	COUPLING



GRADE5



CLASS8.8



GRADE8



CLASS10.9

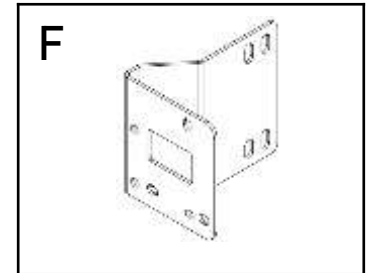
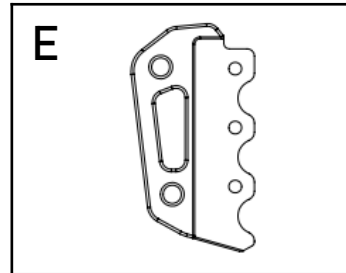
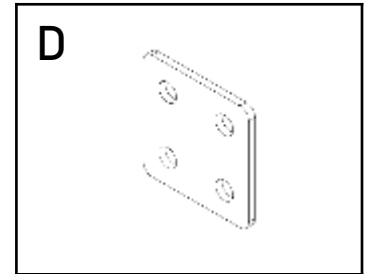
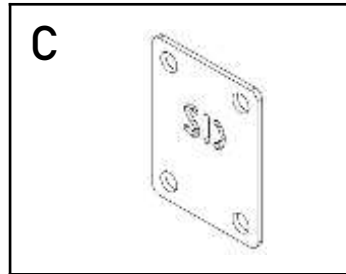
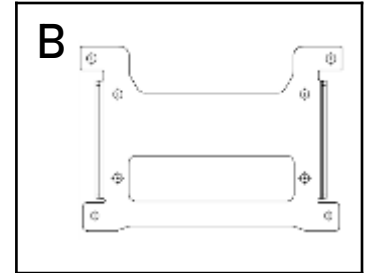
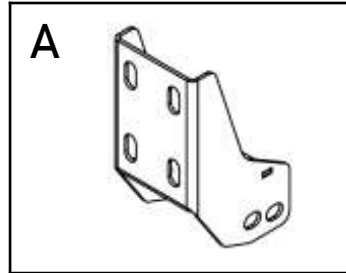
**NOTE - Extra hardware may be left over due to model or option specific items that may not be required for the install.**

### INSTALL GUIDE

### 2017 - \* SUPER DUTY

#### BUMPER

A Bumper Mount Bracket	2
B Winch Plate	1
C Large Bolt Plate With 5/8" Welded Bolts	2
D Small Bolt Plate With 1/2" Welded Bolts	2
E Clevis Mounts (A + B)	2
F OPTIONAL - ACC Sensor Mount	1



Hardware Kit	
3/8"-16 X 1 1/4" Hex Cap Bolt	4
3/8"-16 Clip Nut	4
3/8" USS Washer	4
1/2"-13 X 2" Hex Cap Bolt	8
1/2"-13 Nyloc Nut	24
1/2" USS Washer	24
5/8"-11 X 2" Hex Cap Bolt	6
5/8"-11 Nyloc Nut	6
5/8" USS Washer	12

#### ADDITIONAL BUMPER ITEMS

2017-2022 Sensor Plugs	4
2023- Sensor Bezels	4

# NOTE

2017-2022 shown in photos and drawings., 2023- OEM parts may vary and will use a revised bumper wing shape. All will use the same hardware and mounting as shown.

## 1 – OEM BUMPER REMOVAL

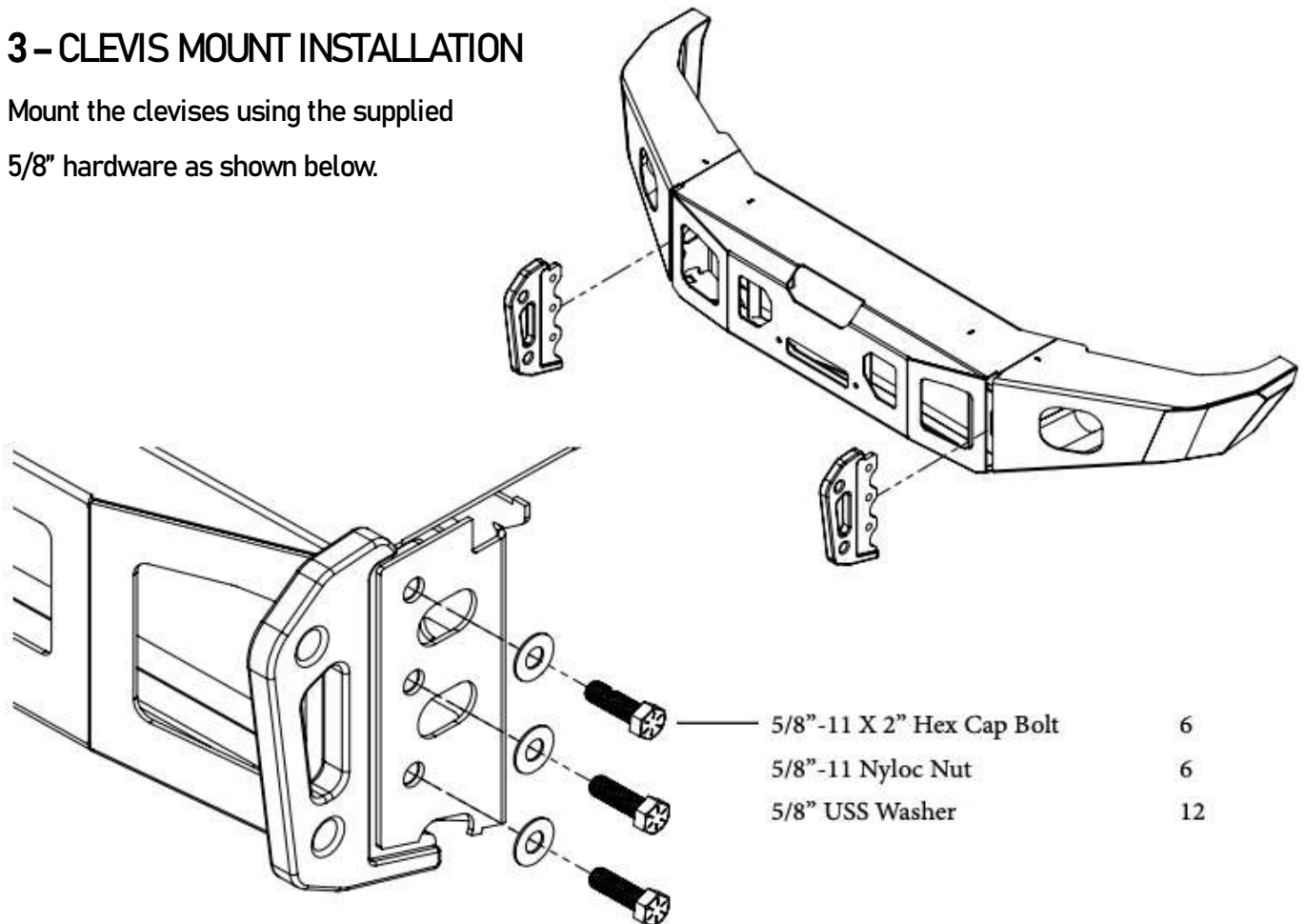
Remove the front bumper OEM hardware from the vehicle. Disconnect all wiring harness connectors and remove the parking sensors from the bezels. Be careful not to break any clips or parts of the bezel as they will be reused in the new bumper (Remove the bezels once the bumper is removed). Check for any remaining hardware connecting the bumper. Remove the bumper by pulling it away from the vehicle..

## 2 – WIRING HARNESS

Reinstall the wiring harness into the new bumper. Place all wiring out of the way of mounting points and hardware locations. Check that the wiring loom connectors match their original points of connection per each side of the vehicle. Reattach all bezels and sensors.

## 3 – CLEVIS MOUNT INSTALLATION

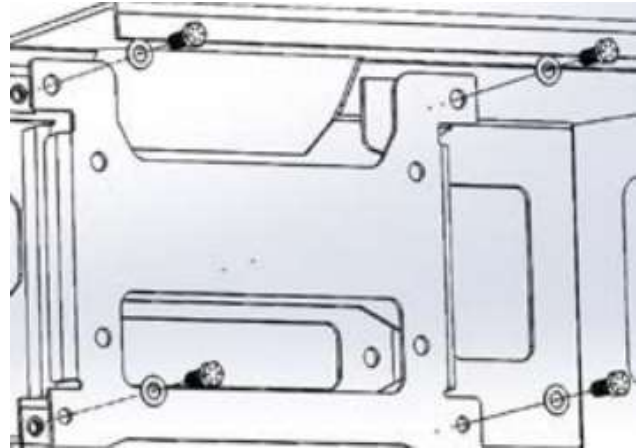
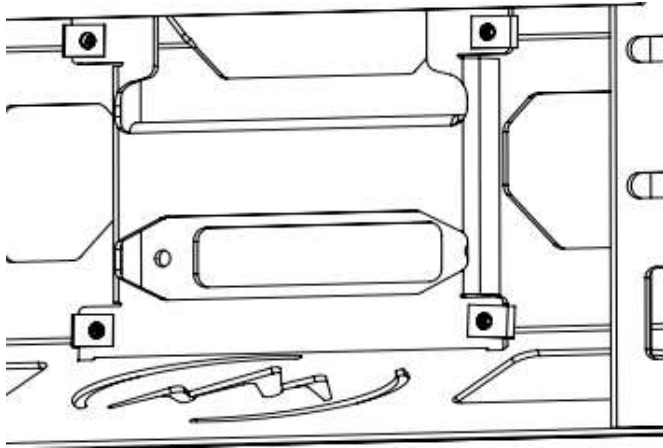
Mount the clevises using the supplied 5/8" hardware as shown below.



## 4 – WINCH MOUNTING

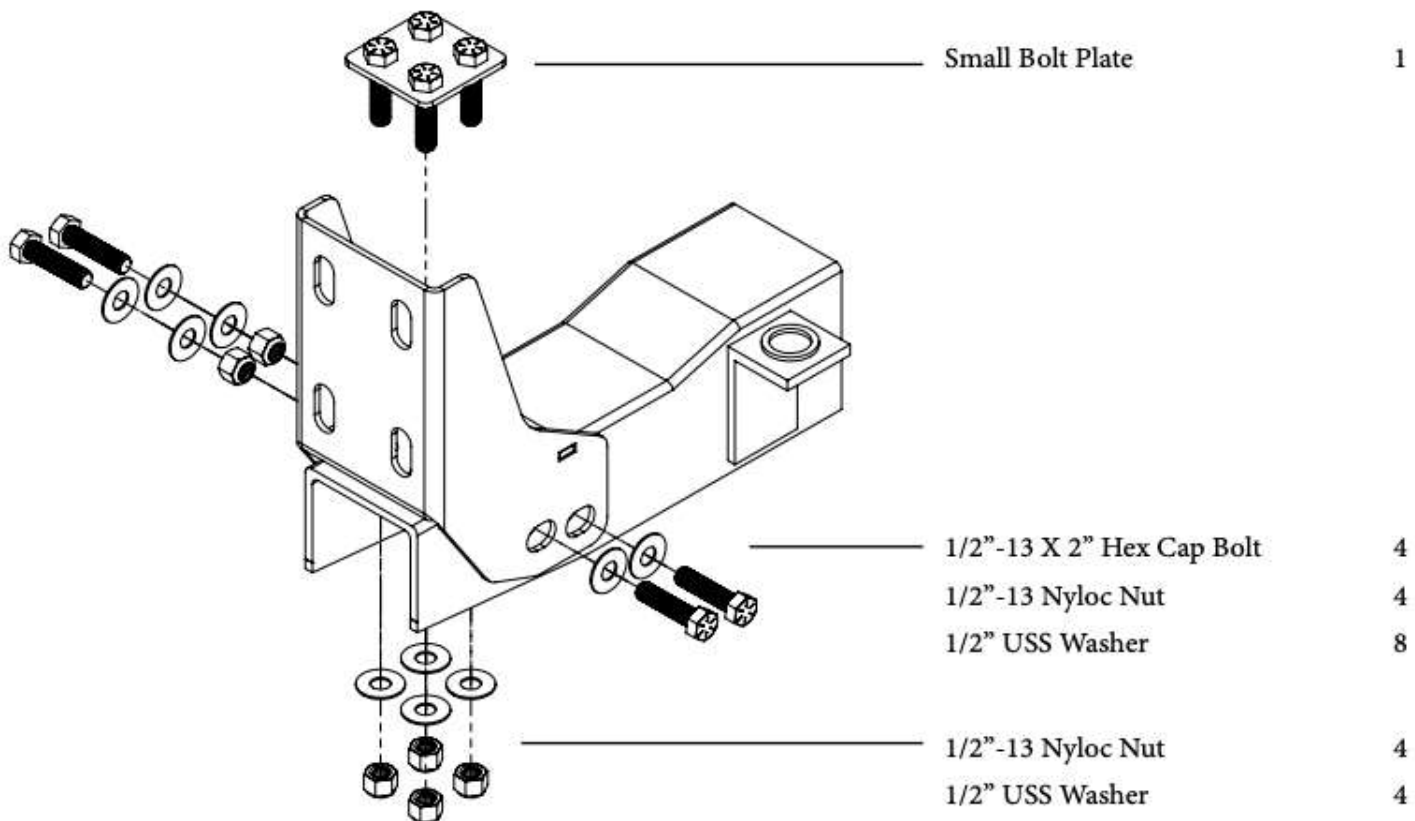
Mount the winch using supplied hardware to the provided winch plate. Attach the plate/winch to the bumper using the supplied 3/8" hardware. Attach 3/8" Clip Nuts to the winch mounting plate area.

With the Winch and Plate attached, mount to the bumper



## 5 – MOUNTING BRACKET ATTACHMENT

Install the mounting brackets as shown to the frame using the provided 1/2" hardware and small bolt plate. Repeat for the other side.

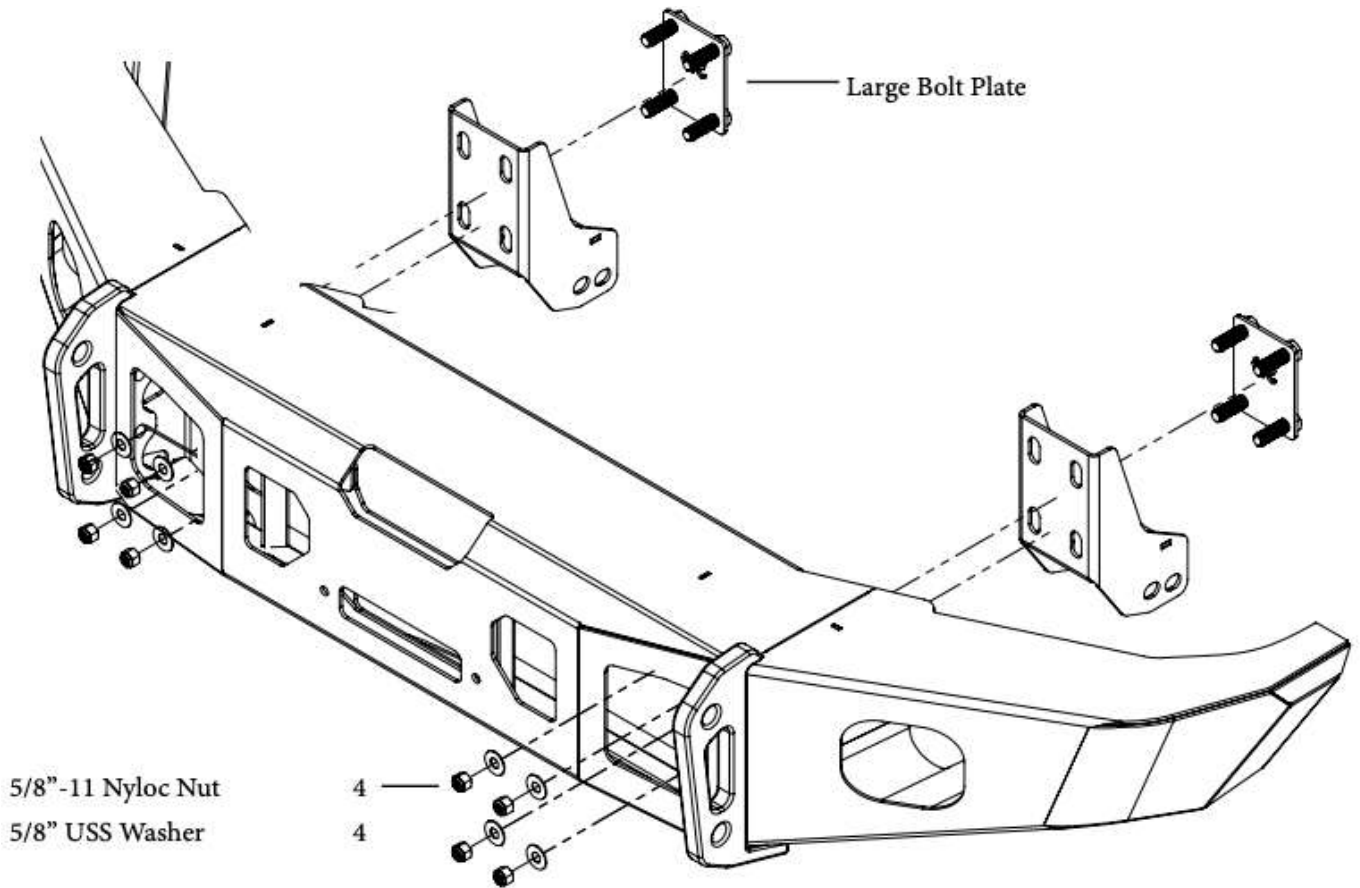


## 6 – FENDER TRIMMING

Mounting the bumper as shown to the brackets using the provided 5/8" hardware and large bolt plate.

Repeat for the other side. Leave all hardware loose for adjustment.

Once in place center the bumper with the vehicle and align gaps before tightening all hardware.



## 7 – SENSORS

Reconnect the parking sensors and wiring harness to the vehicle's electronics. Secure loose wiring.

## 8 – TIGHTEN HARDWARE

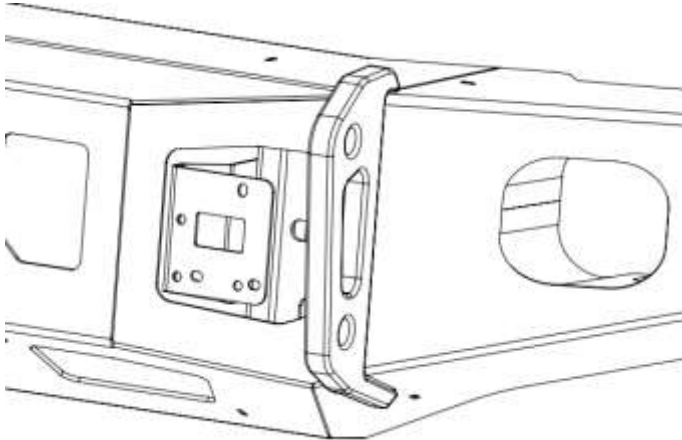
Adjust the bumper to its desired location and **TIGHTEN HARDWARE**. Check that all hardware is tightened including all brackets and mounting locations. Reconnect the parking sensor wiring harness and other connections to the vehicles electronics and secure all loose wiring. Check that everything is working and adjust if needed before driving on the road.



## 8 – OPTIONAL – MODELS WITH ACC

Mount the OEM ACC sensor to the provided bracket and mount as shown to the bumper with the provided hardware.

**NOTE** – The ACC sensor can vary in style by year, trim, and supplier. We can not verify or guaranty every type per order. You may need modify or drill the bracket to work with your type of sensor.



### ADDITIONAL LINKS

<https://www.exp-one.com/wp-content/uploads/2016/10/Proper-Care-and-Maintenance.pdf>

<https://www.exp-one.com/wp-content/uploads/2016/10/Paint-touch-up-instructions.pdf>

<https://www.exp-one.com/wp-content/uploads/2018/02/Exp-One-2016-TC-word-doc.pdf>

**TIGHTEN ALL HARDWARE AFTER EVERYTHING IS INSTALLED ON THE VEHICLE  
CHECK AND RETIGHTEN ALL HARDWARE AFTER THE FIRST 100 MILES AND  
AFTER OFF ROADING. CHECK REGULARLY**