



FORD SUPER DUTY 2017+ F250/350/450 FRONT BUMPER



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.

IMPORTANT INFO/FAQ

INSTALLATION HELP

Please review terms and conditions for details

Recommended purchaser review Welcome Guide at time of purchase for details

Care & Maintenance and Install Guides available at 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.. 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, and injury.

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 .

EXPEDITION ONE
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OGDEN, UT 84404
INFO@EXPEDITIONONE.BIZ
801-627-2921 MON-FRI 0900-1700 MST

INSTALL LEVEL



- | | | |
|---------|-------|--|
| 1 STAR | ★ | EASY - No tools required |
| 2 STARS | ★★ | BASIC - Requires standard tools, basic mechanical knowledge and understanding |
| 3 STARS | ★★★ | MODERATE - Requires standard tools. Some drilling and/or cutting. |
| 4 STARS | ★★★★ | ADVANCED - Requires speciality tools. Drilling, cutting, and grinding required |
| 5 STARS | ★★★★★ | EXPERT - Professional installation recommended. |

We always recommend professional assistance when installing our vehicle products. Always follow safety precautions including the use of safety gear and devices.

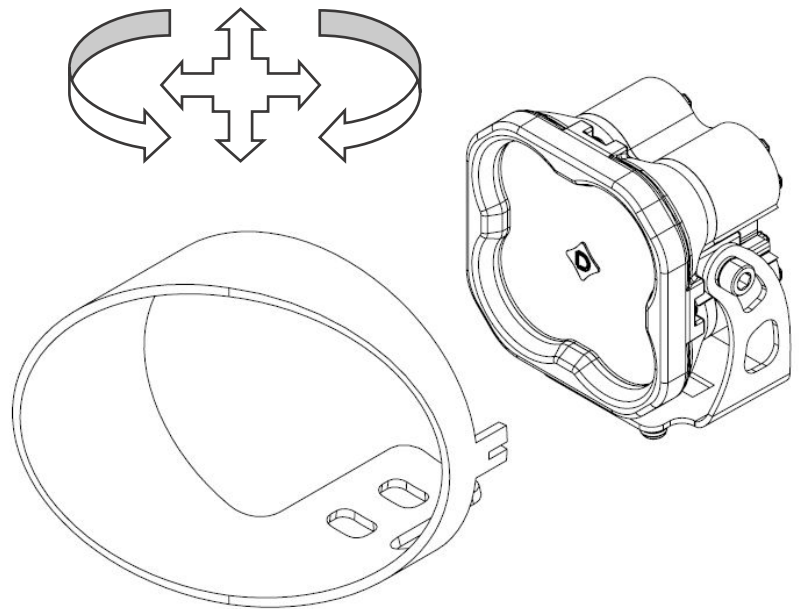
IMPORTANT INFO/FAQ

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 particular 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. Seek professional installation on hybrid or electric vehicles

LIGHT PORTS + LIGHT BARS

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, removal of housings or covers, different light manufacture mounts or hardware to mount. Reuse of OEM light is limited to select bumpers and will come with provided hardware to reinstall. Specific mounts or options if available will be listed at time of purchase and provided with hardware. Bolt-on light ports or mounts will mount as per the instructions. 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. Seek professional installation on hybrid or electric vehicles\



EXAMPLE SHOWN - LIGHT PORTS WILL VARY

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 other sources to gain any first hand knowledge of other products others have installed.

EXAMPLES

The illustrations, diagrams, and examples shown in this guide are provided for reference purposes only. Actual installations may vary depending on model, configuration, or product updates. Drawings, visuals, and component layouts may differ from what is shown, but the installation principles and procedures remain the same.

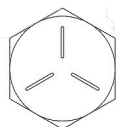
IMPORTANT INFO/FAQ

HARDWARE

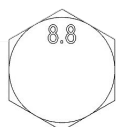
Please review for details and installation. Figures or data may vary. Leave all accessible hardware loose for installation and tighten all hardware after everything is installed on the vehicle. Check and tighten all hardware after the first 100 miles and/or after off roading.

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.

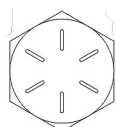
HARDWARE		TORQUE SPEC	
SIZE	SOCKET	GR5 / 8.8	GR8 / 10.9
#8	1/4"	X	
#10	5/16"		
1/4"	7/16"	6-8	9-10
5/16"	1/2"	13-14	18-20
3/8"	9/16"	23-26	33-37
7/16"	5/8"	37-41	52-58
1/2"	3/4"	57-64	80-90
9/16"	13/16"	82-91	115-129
5/8"	15/16"	112-118	159-180
3/4"	1-1/8"	200-223	282-315
1"	36MM	X	
M6	10MM	9-10	13-15
M8	13MM	22-24	32-35
M10	15MM	44-49	64-72
M12	18MM	76-83	112-123
M14	21MM	102-112	165



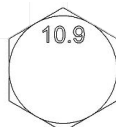
GRADE 5



CLASS 8.8



GRADE 8



CLASS 10.9

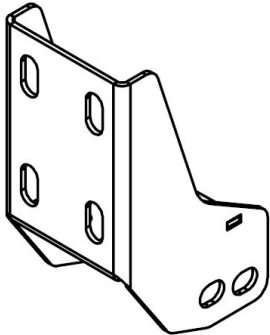
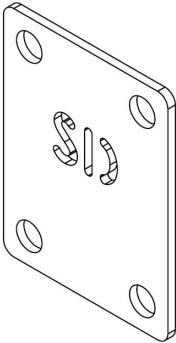
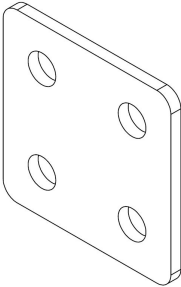
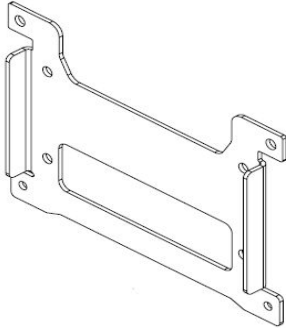
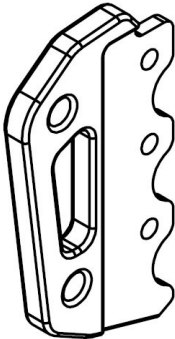
TYPES OF HARDWARE		
		
HEX CAP BOLT	WASHER	NYLOC NUT
		
BUTTON HEAD BOLT	FENDER WASHER	HEX NUT
		
CARRIAGE BOLT	INTERNAL TOOTH	JAM NUT
		
SOCKET CAP BOLT	CLIP NUT	ACORN NUT
		
FLAT HEAD SCREW	RIVET NUT	COUPLING

NOTE

Extra hardware may be left over due to model or option specific items that may not be required for the install. OEM hardware may vary in style or socket size from shown.

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

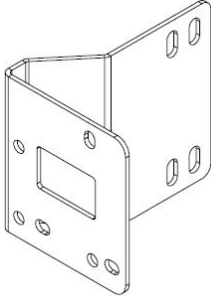
HARDWARE

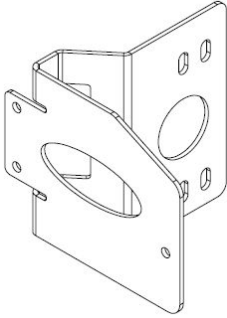
MOUNT BRACKET	2	LARGE BOLT PLATE	2	SMALL BOLT PLATE	2
		 5/8" WELDED HW		 1/2" WELDED HW	
WINCH PLATE	1	CLEVIS MOUNT	2		
		 A + B			

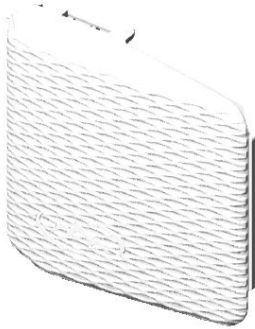
3/8" – 16 x 1 1/4" HEX CAP BOLT	4
3/8" – 16 CLIP NUT	4
3/8" WASHER	4
1/2" – 13 x 2" HEX CAP BOLT	8
1/2" – 13 NYLOC NUT	16
1/2" WASHER	24
5/8" – 11 x 1 1/4" HEX CAP BOLT	6
5/8" – 11 NYLOC NUT	14
5/8" WASHER	20
SENSOR BEZELS (2023+)	4

HARDWARE

OPTIONAL PURCHASE PARTS

2017-2022 ACC BRACKET	1	1/4" – 20 X 3/4" HEX CAP BOLT	2
		1/4" – 20 NYLOC NUT	2
		1/4" WASHER	4
		5/16" – 18 x 3/4" HEX CAP BOLT	2
		5/16" – 18 NYLOC NUT	2
		5/16" WASHER	4

2023+ ACC BRACKET	1	1/4" – 20 X 3/4" HEX CAP BOLT	2
		1/4" – 20 NYLOC NUT	2
		1/4" WASHER	4
		5/16" – 18 x 3/4" HEX CAP BOLT	2
		5/16" – 18 NYLOC NUT	2
		5/16" WASHER	4

COVER	2	CLIPS	8
			

NOTE

2017-2022 EXAMPLE 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

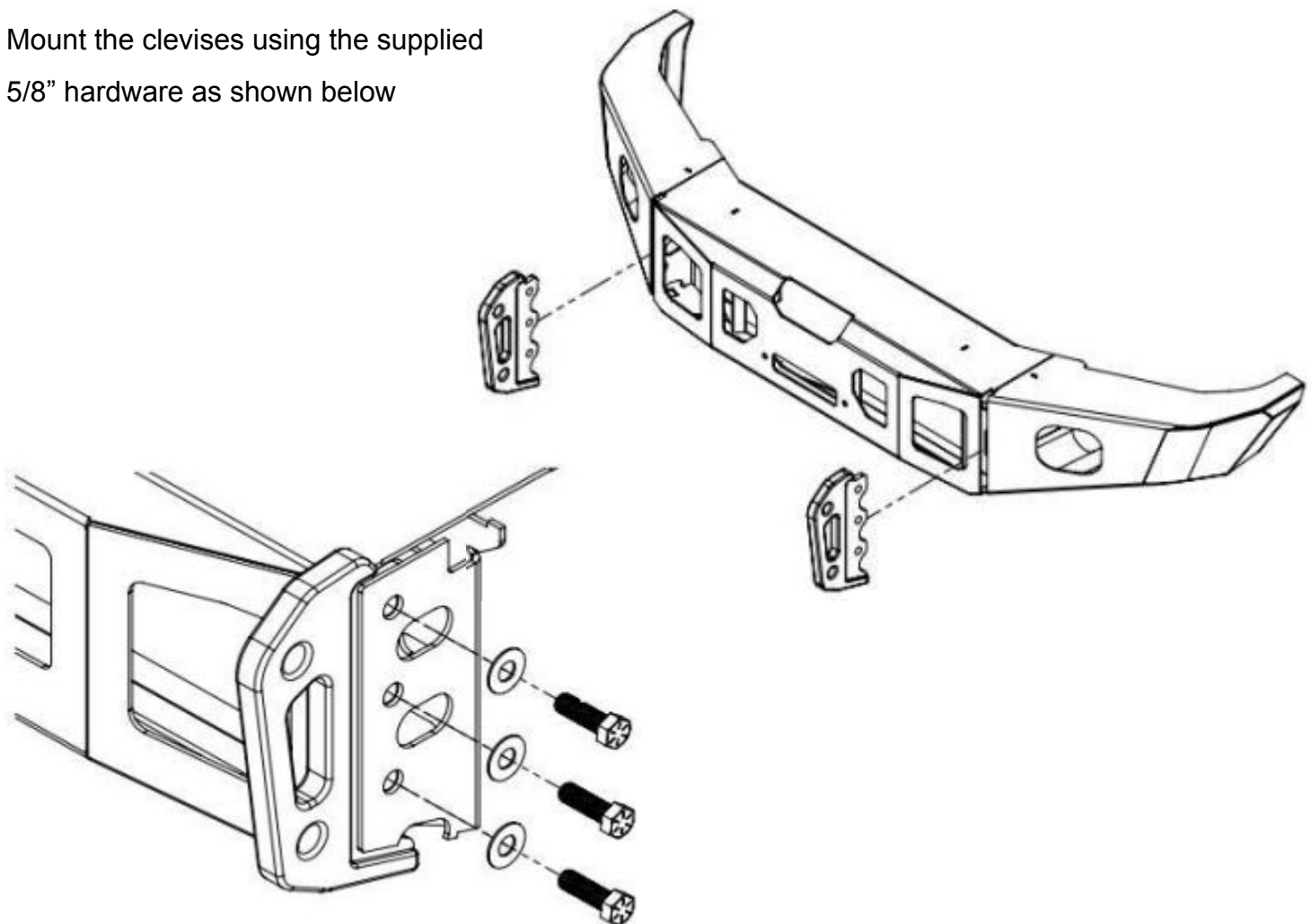
Remove the front bumper OEM hardware from the vehicle. Disconnect all wiring harness connectors and remove the parking sensors from the bezels. Be careful not to break any clips or parts of the bezel as they will be reused in the new bumper (Remove the bezels once the bumper is removed). Check for any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

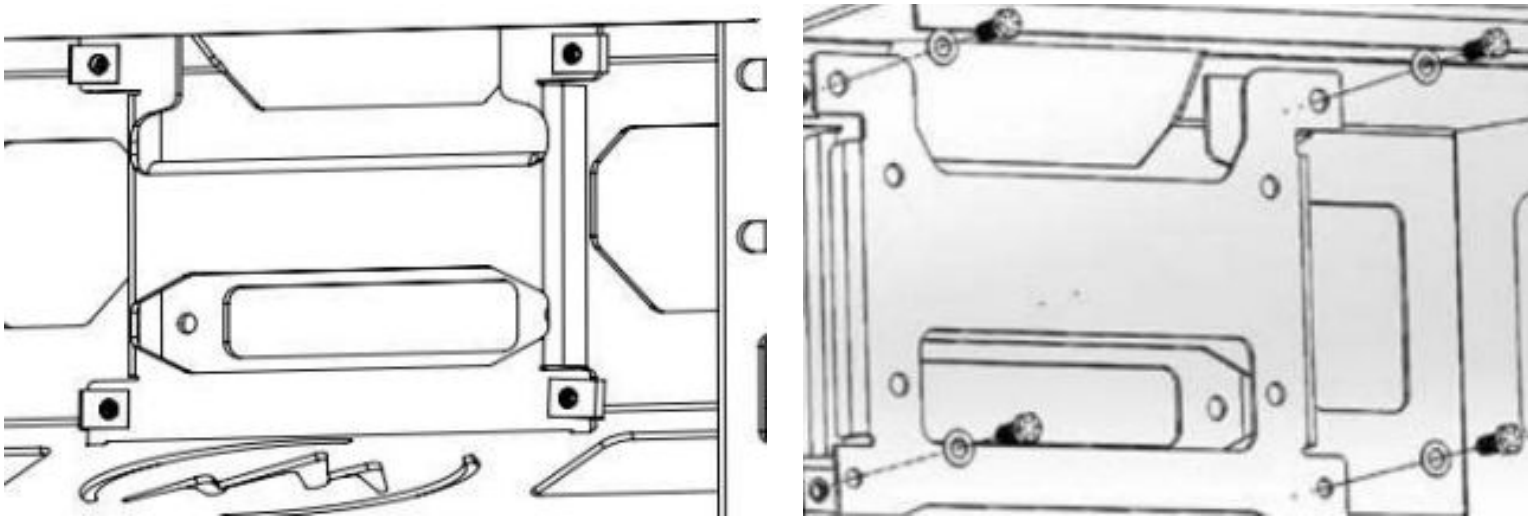
3 – CLEVIS MOUNTING

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



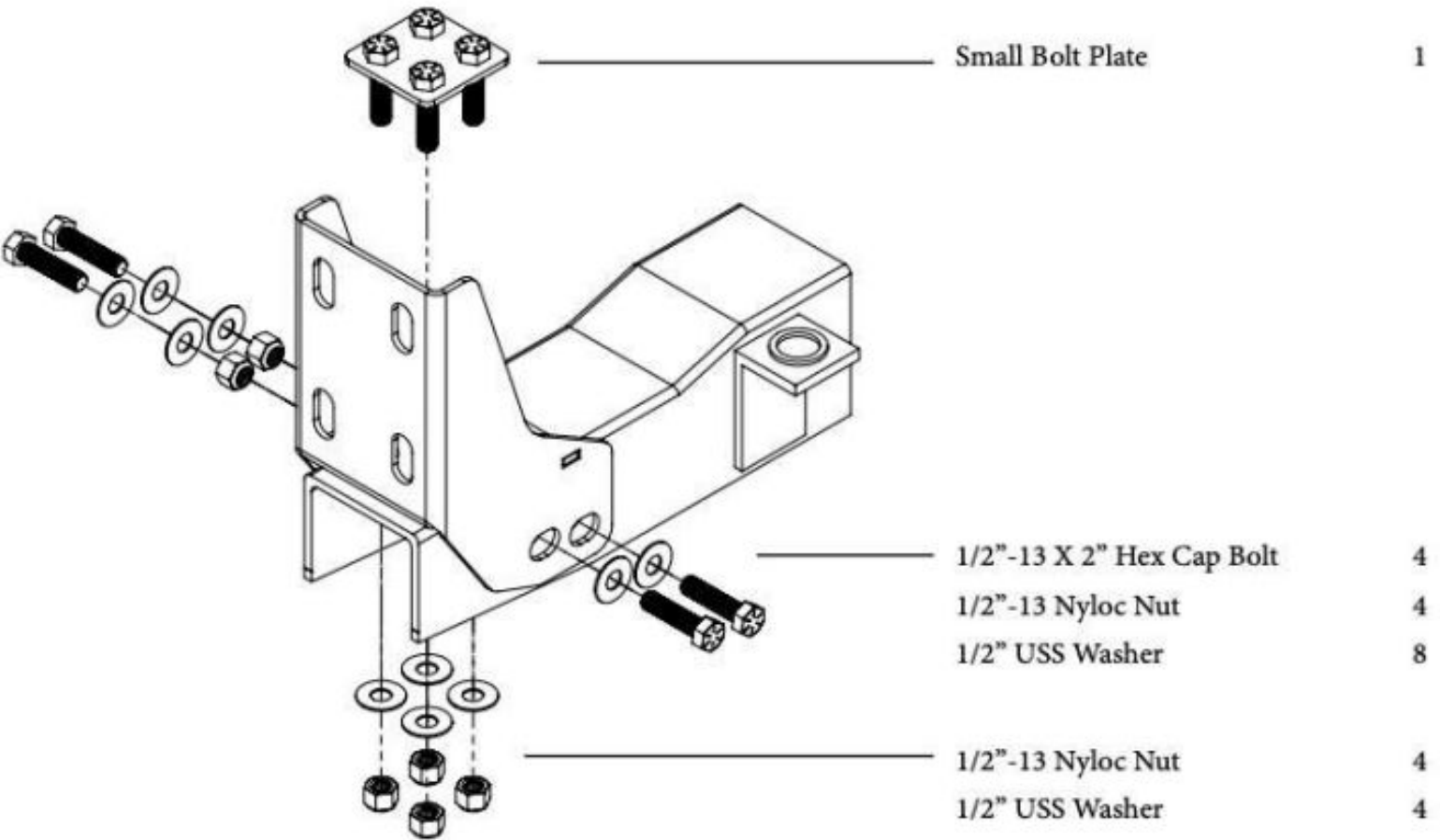
4 – OEM BUMPER REMOVAL

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



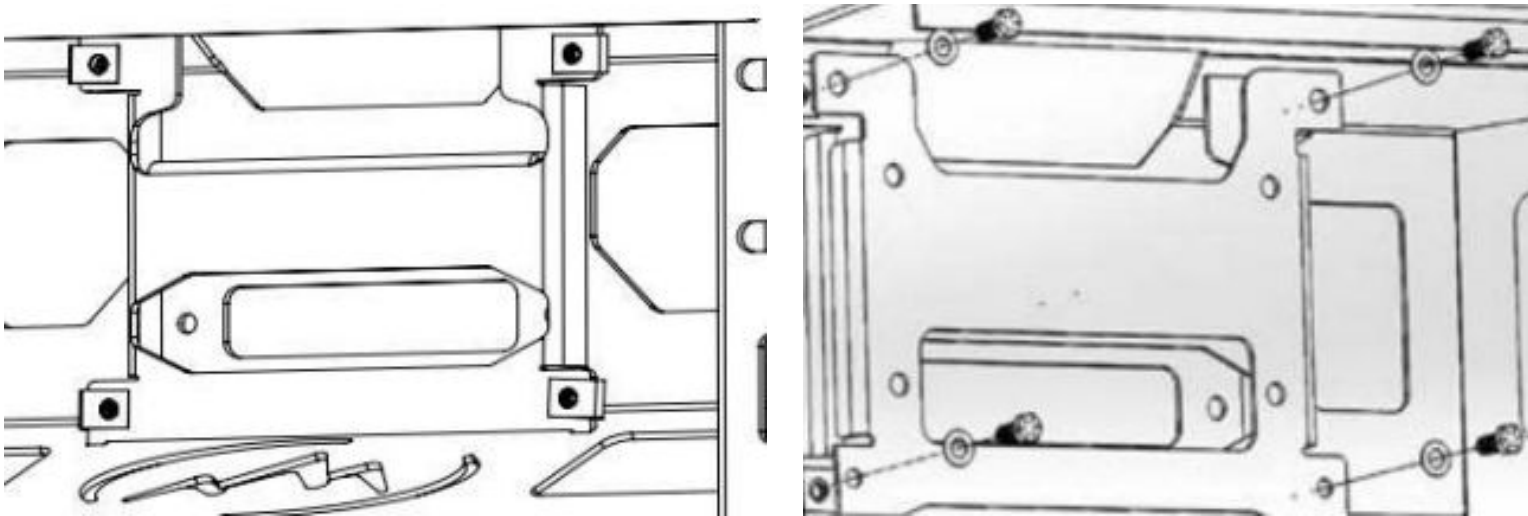
5 – MOUNTING BRACKETS

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



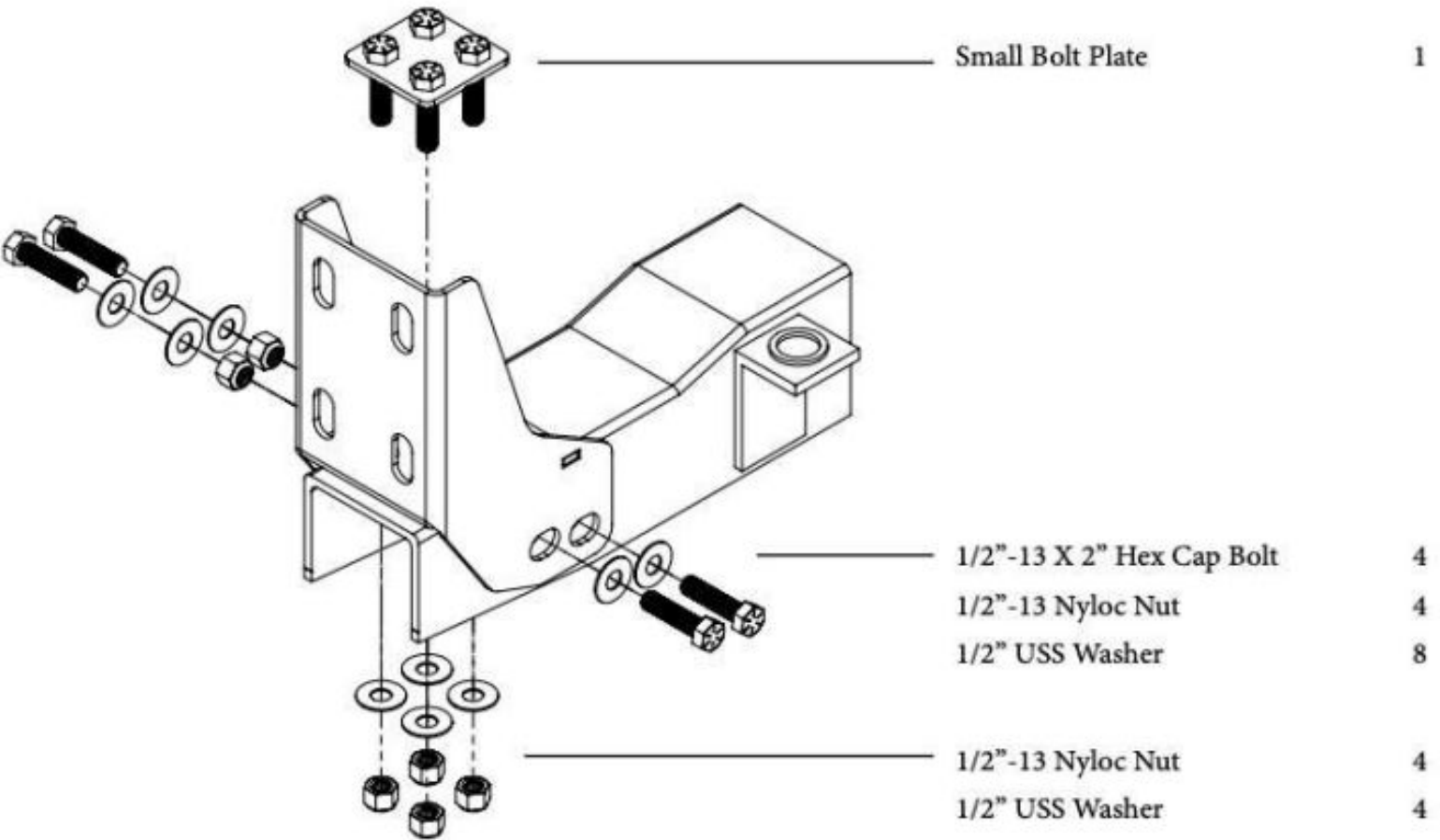
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Mount the winch using supplied hardware to the provided winch plate. Attach the plate/winch to the bumper using the supplied 3/8" hardware. Attach 3/8" Clip Nuts to the winch mounting plate area. With the Winch and Plate attached, mount to the bumper



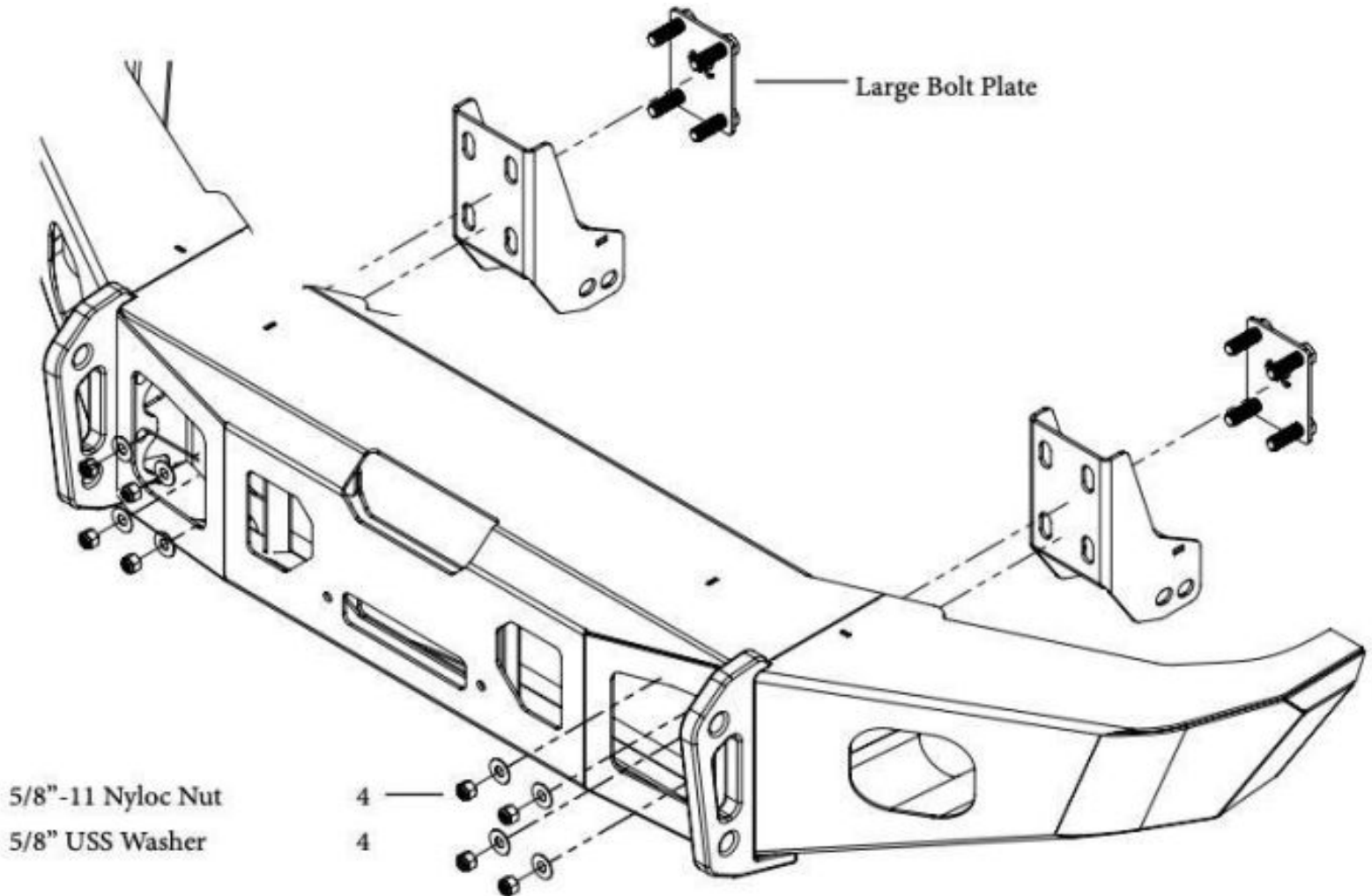
5 – MOUNTING BRACKETS

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



6 – BUMPER MOUNTING

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 – WIRING HARNESS

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

8 – TIGHTEN ALL HARDWARE

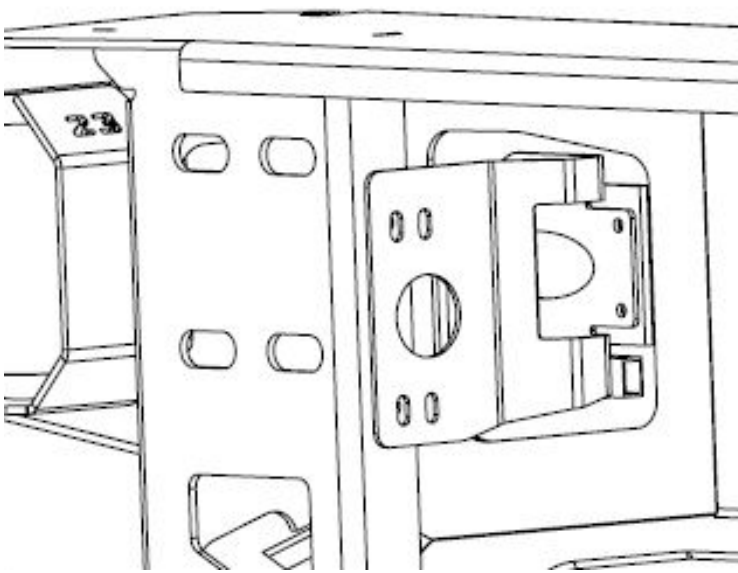
Adjust the bumper to its desired location and TIGHTEN HARDWARE. Check that all hardware is tightened including all brackets and mounting locations. Reconnect the parking sensor wiring harness and other connections to the vehicles electronics and secure all loose wiring. Check that everything is working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

OPTIONAL PURCHASE PARTS - MODELS WITH ACC SENSORS

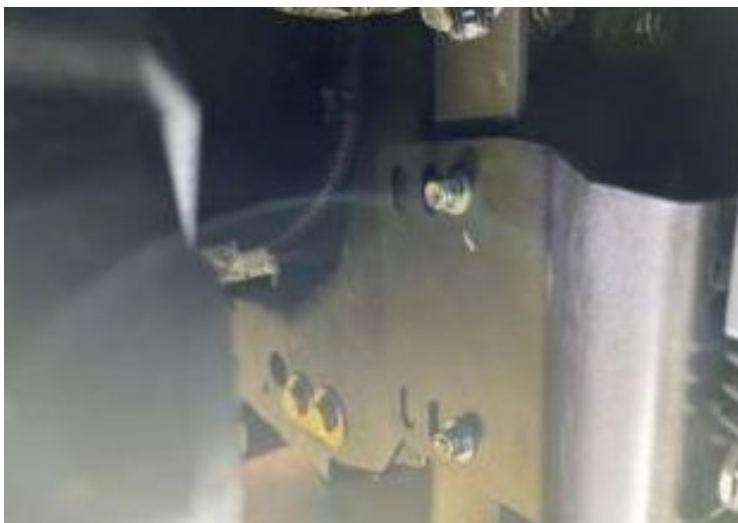
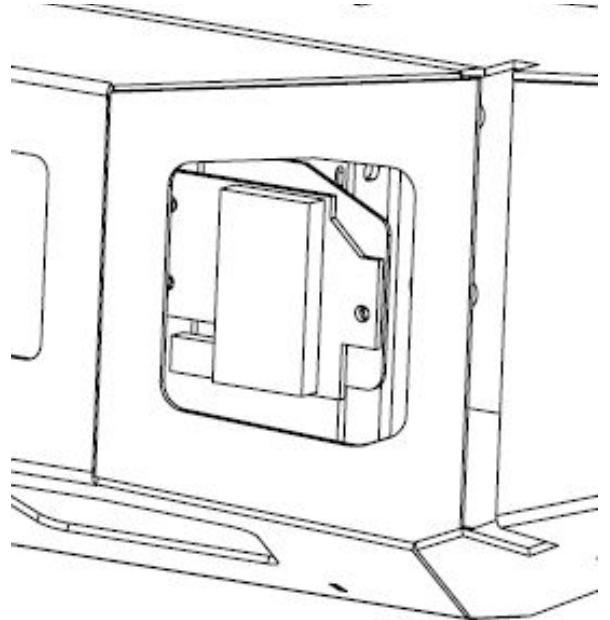
ACC SENSORS

Mount the OEM ACC sensor to the provided bracket and mount as shown to the bumper with the provided hardware. 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. Mount the sensor to the bracket using OEM or provided 1/4" hardware (varies by sensor housing)

Attach the bracket to the bumper using 5/16" hardware. Adjust as need for the clearest vantage.



2023+ EXAMPLES



2017-2022 EXAMPLES



OPTIONAL PURCHASE PARTS - COVERS

ACC SENSORS

Attach the covers to the openings and secure with the clips as shown. Clips must be inserted as shown to secure and allow for ease of future removal. Reversal will result in non secure mounting and/or damage to the clips during removal

