



BASE REAR BUMPER 2010-2018 RAM HD



INSTALL GUIDE

LAST UPDATE 5/10/24 v1

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

ALL

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

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

GSA# GS-30F-013CA

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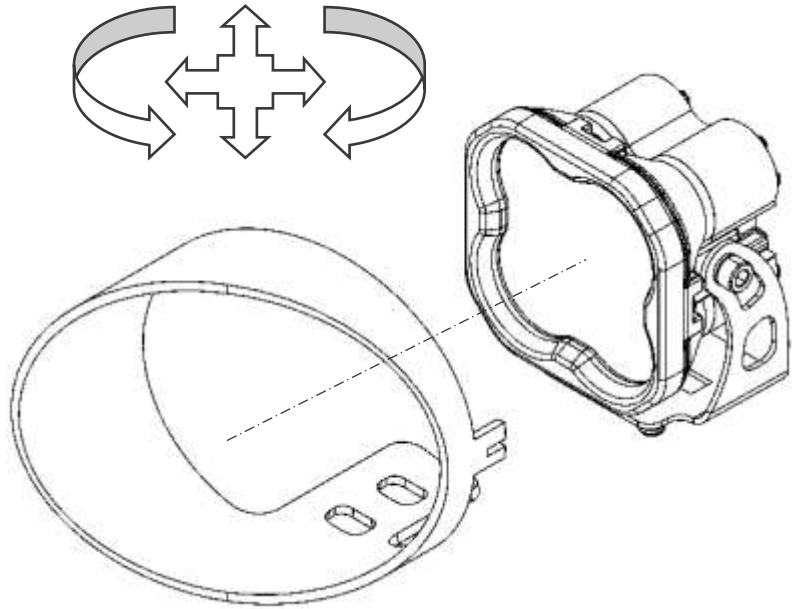
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LIGHTPORTS

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, provide wiring, or instructions on how to connect to the OEM harness.



EXAMPLE SHOWN – LIGHT PORTS 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 forums or other sources to gain any first-hand knowledge of other products others have installed.
















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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

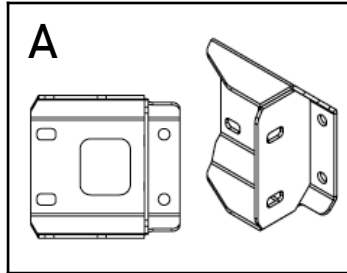
NOTE - Extra hardware may be left over due to model or option specific items that may not be required for the install.

INSTALL GUIDE

2010-2018 RAM HD

REAR BUMPER HARDWARE

A Bumper Mount Brackets 2



BUMPER HARDWARE

1/2"-13 X 1 1/4" Hex Cap Bolt	8
1/2"-13 Nyloc Nut	8
1/2" USS Washer	16

ADDITIONAL BUMPER ITEMS

License Plate Lights & Connectors (8)	2
Sensor Plugs	4

1 – WIRING CONNECTIONS

Disconnect the rear bumper's parking sensors and license plate light wiring harness via the drivers side connector located in the corner of the bumper.

2 – REMOVE REAR ASSEMBLY

Unbolt the entire rear bumper assembly from the frame (2 each side and 2 center behind the rear license plate). Check for any remaining hardware connecting the bumper and remove from the vehicle.



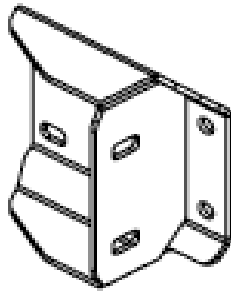
3 – BUMPER DISASSEMBLY

Separate and remove the OEM wire loom and parking sensors bezels and disconnect the parking sensors. Place the OEM wiring harness into the new bumper, threading the wiring through so that the connectors match their respective positions. Make sure the wiring harness connector is located on the correct side of the vehicle. Reattach all 4 parking sensors to the OEM sensor bezels. Avoid placing the wiring harness near mounting holes and visible cutouts. Reattach the receiver hitch plug (tabs may need to be bent). Remove the original license plate lights by cutting off a small section of wire. Attach one set of connectors to the original wiring loom, connecting the opposite set to the provided lights. Insert the provided license plate light into the bumper. Connecting the wiring loom and light wires via the connectors.

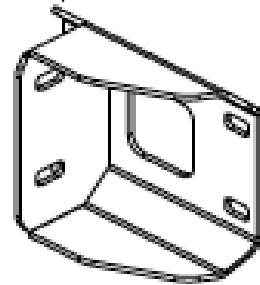


4 – MOUNTING BRACKET INSTALLATION

Mount the brackets (arrow down) using the supplied 1/2" hardware in addition to the OEM hardware (2 each side as circled). Leave all hardware loose for adjustment.

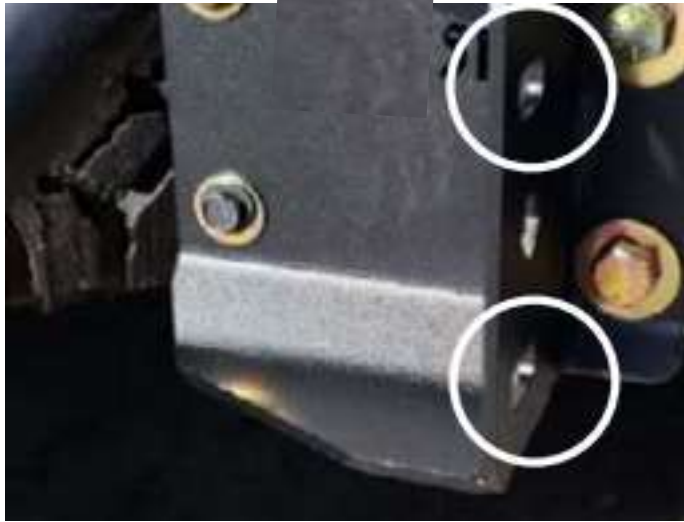


1/2" – 13 x 1 1/4" HEX CAP BOLT	4
1/2" – 13 NYLOC Nut	4
1/2" USS WASHER	8

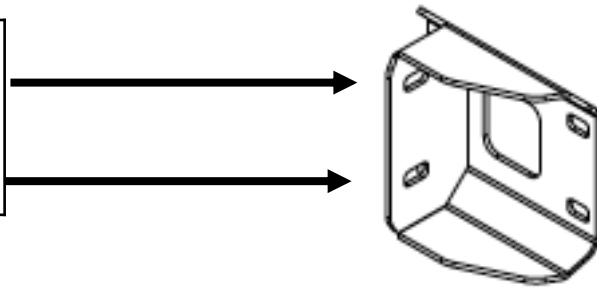


5 – BUMPER MOUNTING

Mount the bumper on the vehicle using the provided 1/2" hardware (locations as circled). Leave all hardware loose for adjustment. Make sure wiring or other items are clear of pinch points for installation. Reattach the center OEM license plate area hardware.



1/2" – 13 x 1 1/4" HEX CAP BOLT	4
1/2" – 13 NYLOC Nut	4
1/2" USS WASHER	8



6 – 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.

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**