



FRONT BUMPER

2024+ TOYOTA LC250



INSTALL GUIDE

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.

LAST UPDATE 4/14/25 TEMP



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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INSTALL GUIDE

ALL

WINCHES

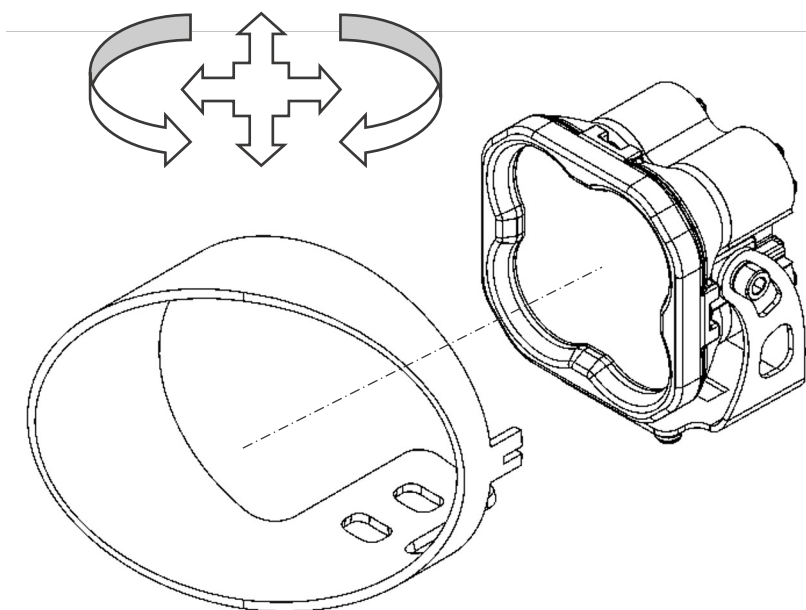
We use the most common bolt patterning but cannot guarantee your particular winch will fit. Because there are so many different brands on the market for winches, we typically recommend you wait until you have your bumper in-hand and ideally even installed to have specific measurements for best fit for 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.

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.

LIGHTPORTS + LIGHTBARS

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

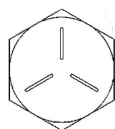
INSTALL GUIDE

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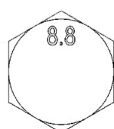
HARDWARE

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.

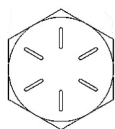
HARDWARE		TORQUE SPEC – FT.-LBS.	
SIZE	SOCKET WRENCH	GRADE 5 M- 8.8	GRADE 8 M – 10.9
#8	1/4"	X	
#10	5/16"		
1/4"	7/16"	6-8	9-10
5/16"	1/2"	13-14	18-20
3/8"	9/16"	23-26	33-37
7/16"	5/8"	37-41	52-58
1/2"	3/4"	57-64	80-90
9/16"	13/16"	82-91	115-129
5/8"	15/16"	112-118	159-180
3/4"	1-1/8"	200-223	282-315
7/8"	1-5/16"	322-355	454-501
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



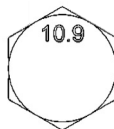
GRADE 5








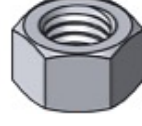




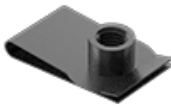
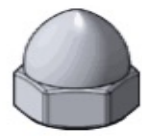


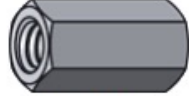
CLASS 8.8



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.

1 – BUMPER REMOVAL

Remove the entire front fascia as shown. Disconnect all wiring, lights and sensors. Check for any other connections or hardware before removing the bumper.

Save any hardware for reinstallation.

Undo the radiator cover and remove the hardware securing the grille brackets

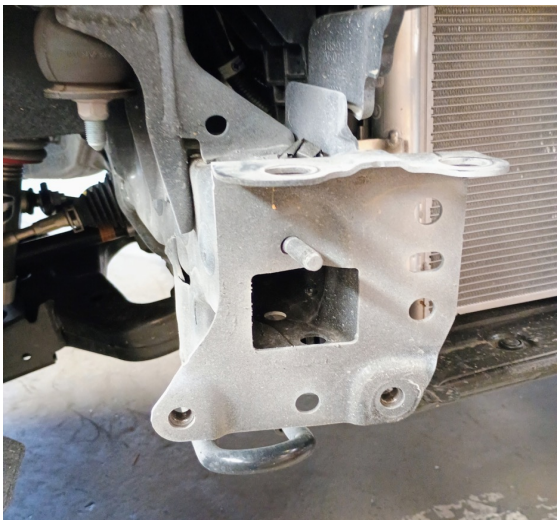


Remove the hardware for the front of the fender liner. Once removed pull the lower fender trim to access the screw and push pins behind. Undo the remaining hardware along the underside edges. Check for any remaining hardware before removing the bumper. Pull the assembly from the vehicle undoing clips in the process.



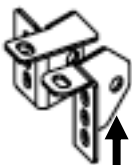
2 – BRACES REMOVAL

Remove the brace by unbolting the assembly at the frame and bumper side wings



3 – REINFORCEMENT BRACKET INSTALLATION

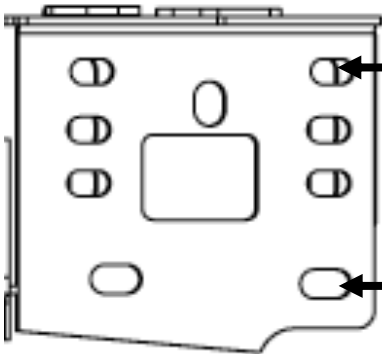
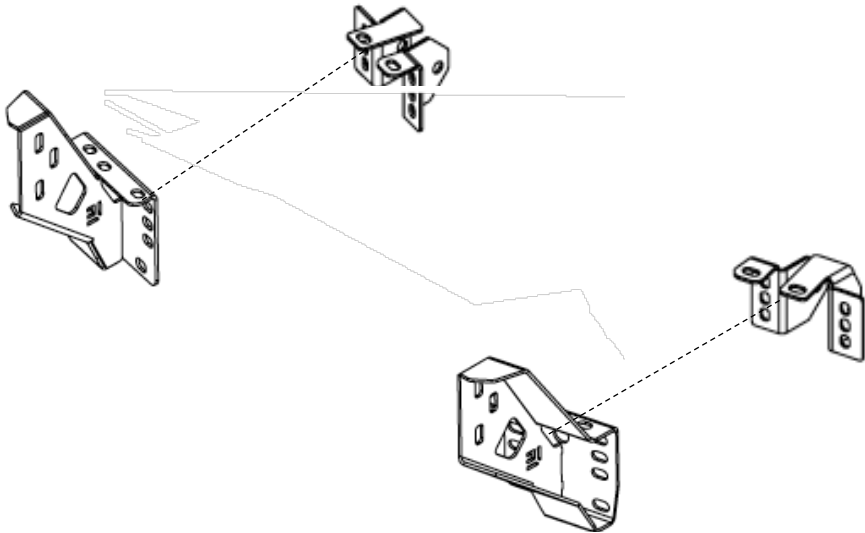
Attach the provided reinforcement brackets using 1/2" hardware tab Leave hardware loose for adjustment.



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

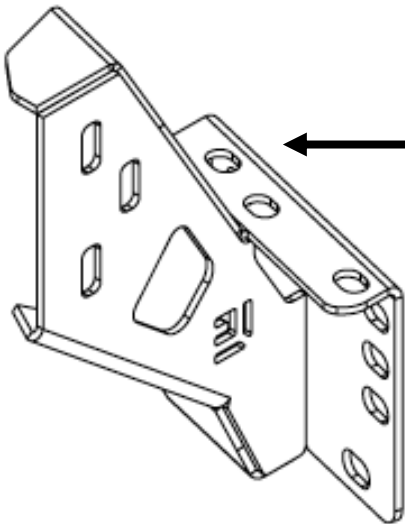
4 – MOUNT ASSEMBLY INSTALLATION

Attach the provided reinforcement brackets using 1/2" hardware tab Leave hardware loose for adjustment.



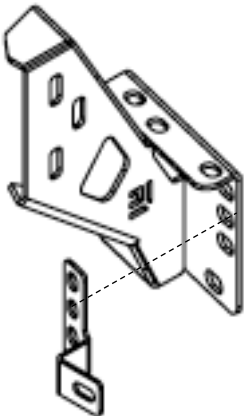
1/2" - 13 X 1 1/2" Hex Cap Bolt	12
1/2" - 13 Nyloc Nut	12
1/2" USS Washer	24

OEM Hardware	4
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3/8" - 16 X 1 1/2" Hex Cap Bolt	4
3/8" - 16 Nyloc Nut	4
3/8" USS Washer	4

Attach the filler skid
Mounts to this location



5 – WINCH MOUNTING

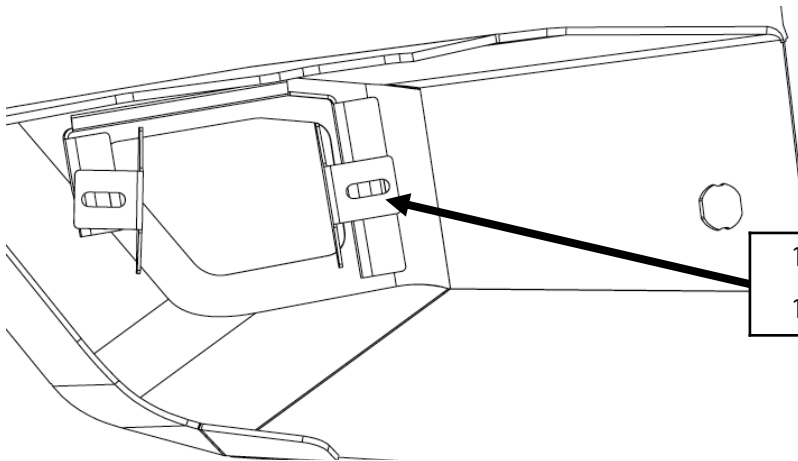
Mount the winch at this time using the winch manufacture provided hardware. This will mount directly to the winch mount. Adjust as needed. see winch section for details. Skip if no winch is to be installed.

WINCH MANUFACTURE
HARDWARE

4

6 – SENSOR MOUNTING

Place the cover into the bumper and secure using the clips and provide 1/4" hardware. Adjust as need and position as spread out as possible for sensor clearance. Test fit with sensors installed below if needed
Mount sensor bezels at this time.



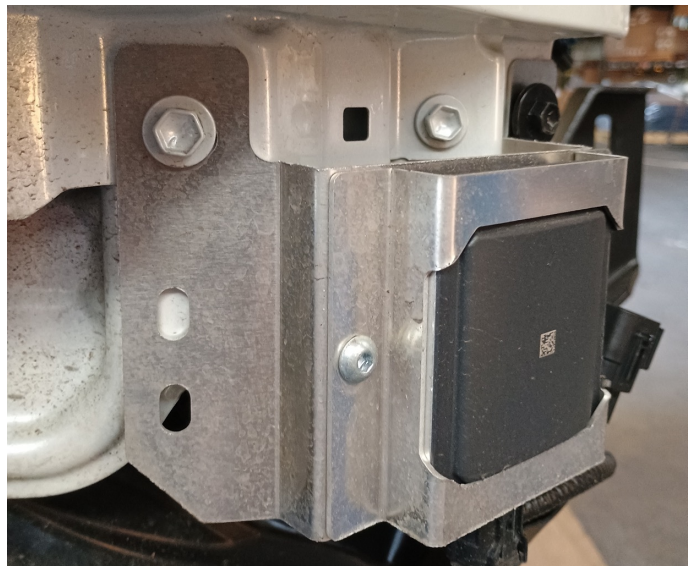
1/4" - 20 x 3/4" Hex Cap Bolt

4

1/4" - 20 Clip Nut

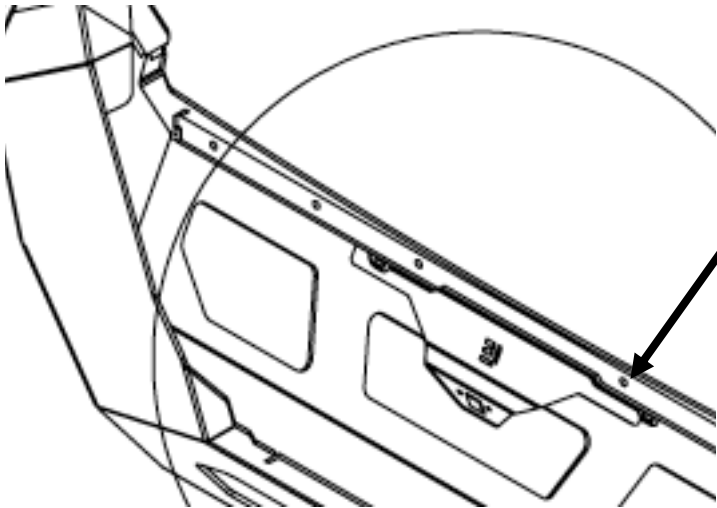
4

Relocate the OEM sensors to the provided brackets using 1/4" hardware. Secure to the body using the OEM hardware and locations. (L-Driver & R-Passenger).



7 – FRONT CAMERA MOUNT

Disconnect the camera from the harness and its housing. Place in the bezel and mount with the provided screws to the bracket (spacer provided if needed). Mount the bracket to the center using 1/4" hardware. Plug in the harness once the install is complete. Replace the grill at this time.

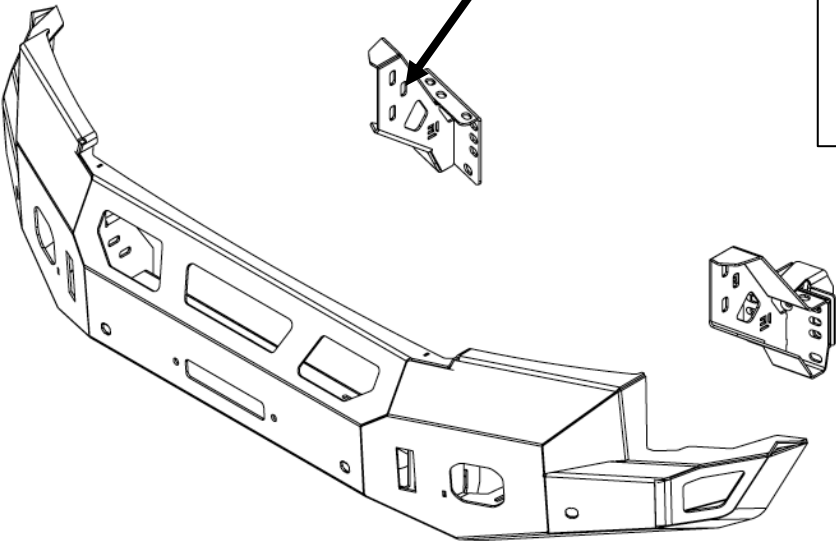
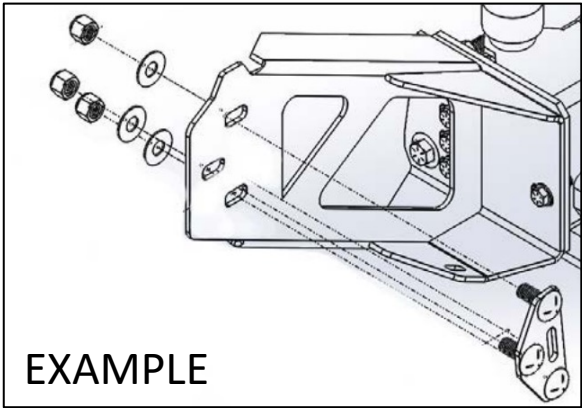


1/4" - 20 x 3/4" Bolt	4
1/4" - 20 Clip Nut	4

8 – BUMPER MOUNTING

Mount the as shown. Attach using the provided 1/2" hardware and nut retainers. Adjust as needed and tighten.

1/2" - 13 X Carriage Bolt in Retainers	6
1/2" USS Washer	6
1/2" - 13 Nyloc Nut	6

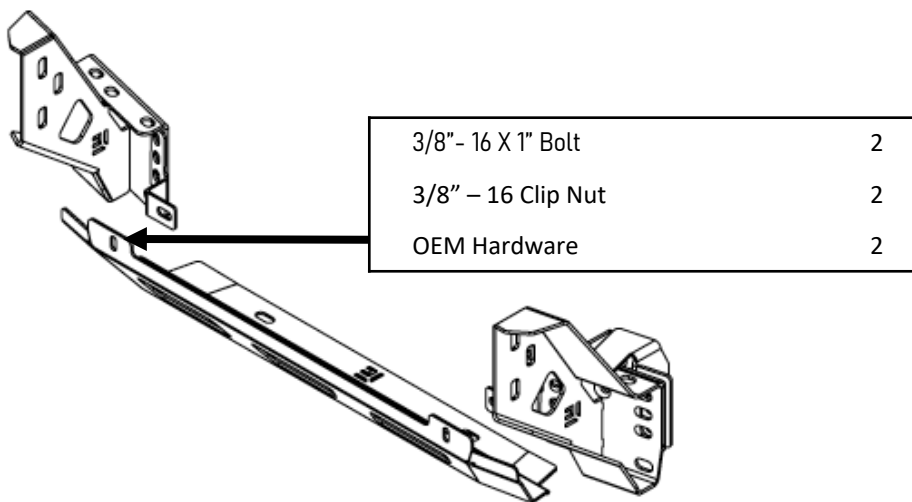


9 – TIGHTEN HARDWARE

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.

10 – FILLER PLATE INSTALL

Mount the Filler plate to the brackets from step 4 using the provided 3/8" and OEM bottom frame hardware.



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**

SKID PLATE INSTALL (OPTIONAL PURCHASE)

Remove any OEM and mount the the under side using the original hardware

