



TOYOTA FJ CRUISER DUAL SWING - DSTC REAR 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
113 N. 700 W. BUILDING 5C BAY 1
OGDEN, UT 84404
INFO@EXPEDITIONONE.BIZ
801-627-2921 MON-FRI 0900-1700 MST

INSTALL LEVEL



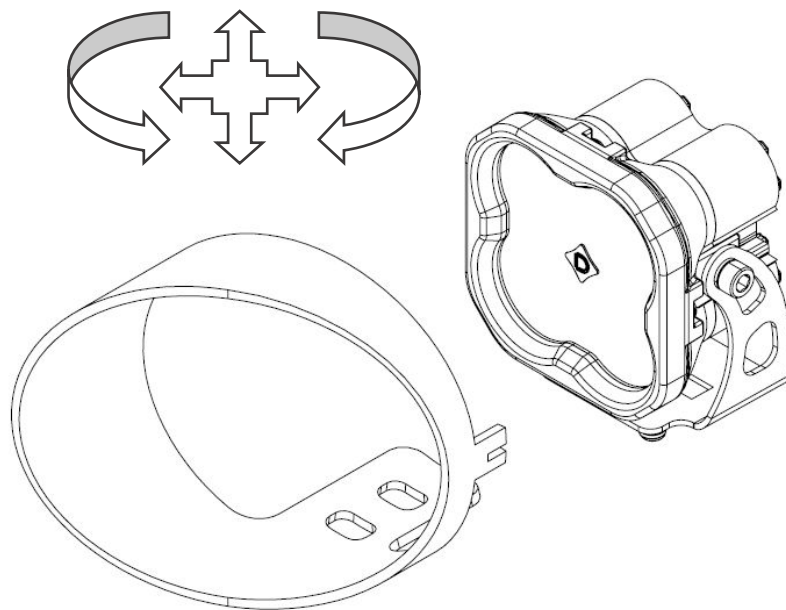
- | | | |
|---------|-------|--|
| 1 STAR | ★ | EASY - No tools required |
| 2 STARS | ★★ | BASIC - Requires standard tools, basic mechanical knowledge and understanding |
| 3 STARS | ★★★ | MODERATE - Requires standard tools. Some drilling and/or cutting. |
| 4 STARS | ★★★★ | ADVANCED - Requires speciality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

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.

USE IN CONJUNCTION WITH DSTC ARM SYSTEMS GUIDE

Swing arm specific items feature a separate guide related to the installation of arms and common features. Review these guides for any pre planning or items that will need to be installed or in conjunction with the bumper install. Items listed below that may have limited access once installed on the vehicle.

- Pin Plates
- Kickplate Assemblies

IMPORTANT INFO/FAQ

HARDWARE

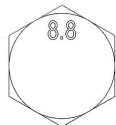
Please review for details and installation. Figures or data may vary. Leave all accessible hardware loose for installation and tighten all hardware after everything is installed on the vehicle. Check and tighten all hardware after the first 100 miles and/or after off roading.

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.

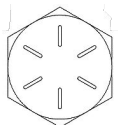
HARDWARE		TORQUE SPEC	
SIZE	SOCKET	GR5 / 8.8	GR8 / 10.9
#8	1/4"	X	
#10	5/16"		
1/4"	7/16"	6-8	9-10
5/16"	1/2"	13-14	18-20
3/8"	9/16"	23-26	33-37
7/16"	5/8"	37-41	52-58
1/2"	3/4"	57-64	80-90
9/16"	13/16"	82-91	115-129
5/8"	15/16"	112-118	159-180
3/4"	1-1/8"	200-223	282-315
1"	36MM	X	
M6	10MM	9-10	13-15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



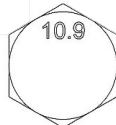
GRADE 5


















CLASS 8.8



GRADE 8



CLASS 10.9

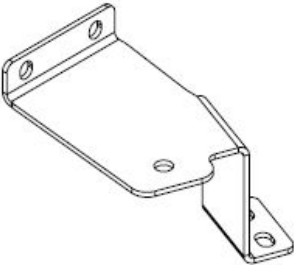
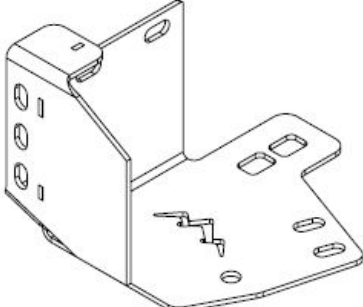
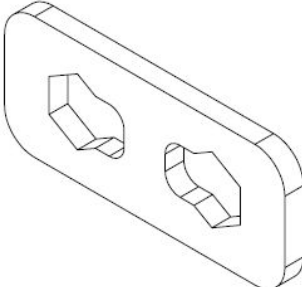
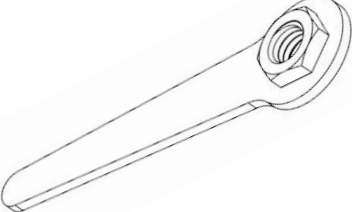
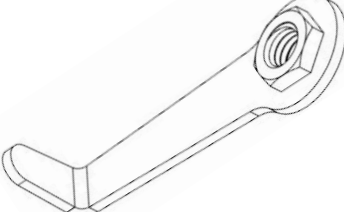
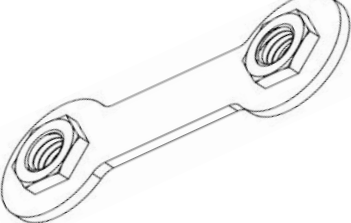
TYPES OF HARDWARE		
		
HEX CAP BOLT	WASHER	NYLOC NUT
		
BUTTON HEAD BOLT	FENDER WASHER	HEX NUT
		
CARRIAGE BOLT	INTERNAL TOOTH	JAM NUT
		
SOCKET CAP BOLT	CLIP NUT	ACORN NUT
		
FLAT HEAD SCREW	RIVET NUT	COUPLING

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

TOP FRAME MOUNT	2	BOTTOM FRAME MOUNT	2	2 HOLE SPACER	2/4
				 <p>2 - 1/4" OR 4 - 1/8"</p>	
NUT RETAINER FLAT	2	NUT RETAINER BENT	2	TOYOTA DOG BONE	2
					
1/2" - 13 x 1 1/2" HEX CAP BOLT					18
1/2" - 13 NYLOC NUT					14
1/2" WASHER					36
M12 - 1.25 X 45 HEX CAP BOLT					4

1 – REMOVE OEM BUMPER

The bumper is held in place by a series of small bolts and plastic retainers. Using a 12 MM socket or wrench, remove the bolts along the top inside edge of the bumper (this will require opening rear door) along with the plastic retainer clip on the passenger side of the bumper. Next remove the bolts along the bottom edge of the bumper, and un-clip the 2 wire connections for the back-up sensors, found on the underside of each side of the vehicle respectively. After the sensors have been un-clipped and all other hardware has been removed the bumper is ready to be removed. Starting at the lower edge of the bumper (this step can be done on either side of the vehicle) near the lower edge of the rear fender flare, begin pulling the bumper away from the vehicle. After applying adequate pull force the bumper will separate from the vehicle (this can be loud and abrupt).

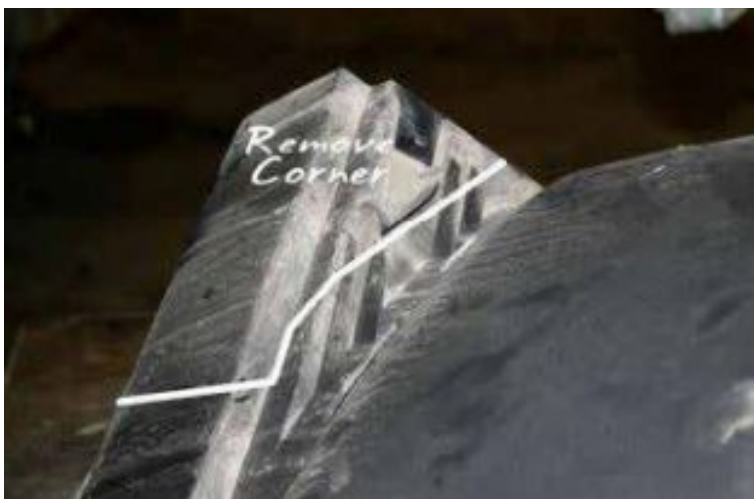
Once released the other side will follow as you pull the bumper away from the vehicle. Remove the Styrofoam piece along with the bumper. Also remove the tow-loop on the bottom driver side of the bumper using a 16mm socket. The rear frame should now be exposed. Check the frame for excess weld spatter and/or large weld build up, particularly on the top side of the bumper, toward the outer edge. Excess weld may cause the bumper to pitch backwards undesirably. If weld is excessive, it can be hit with a hammer or lightly ground to ensure desired fit.



2 – PLASTIC TRIMMING

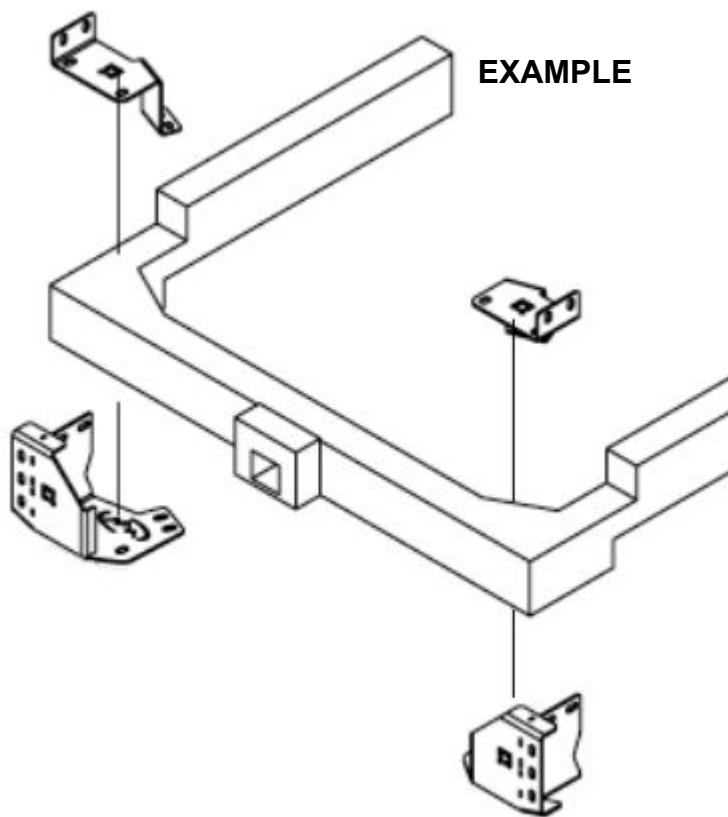
Before cutting begins, remove the silver end caps on the OEM bumper. Once the plastic is cut a return to stock will require purchasing a new OEM bumper. Using the provided pictures follow the lines referenced on the OEM bumper for proper cutting. Be careful when cutting!!! always avoid cutting toward yourself or anyone else. Cut both sides of the bumper to match. Once finished, the OEM bumper sides can be put back in place in there stock position. Passenger side plastic clip can be re-installed, as well as 1 top side bumper bolt on each side of the OEM bumper sides

Before putting the Expedition One bumper in place we recommend putting masking tape on the edges of the plastic where the bumper comes close. Contact with the plastic & metal bumper can cause small maring in the plastic. Removing the Spare tire can make the install of the rear bumper easier



3 – FRAME MOUNTS

Attach both mounting brackets as shown to the ends of the rear cross member. Mount using the provided 1/2" hardware. Leave all hardware loose for adjustment and tighten once in place



3 – FRAME MOUNTS

CONTINUED



Take the included two-holed spacer provided in kit and place between the frame bracket and vehicle frame, secure with M12 hardware.



4 – BUMPER MOUNTING

Mount the bumper using the provided 1/2" hardware and dog bone retainer. Center the bumper with the vehicle and align gaps between the body and bumper to your preference before mounting.. Leave all hardware loose for adjustment

5 – TIGHTEN ALL HARDWARE

Check that all hardware is tightened including all brackets and mounting locations.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.