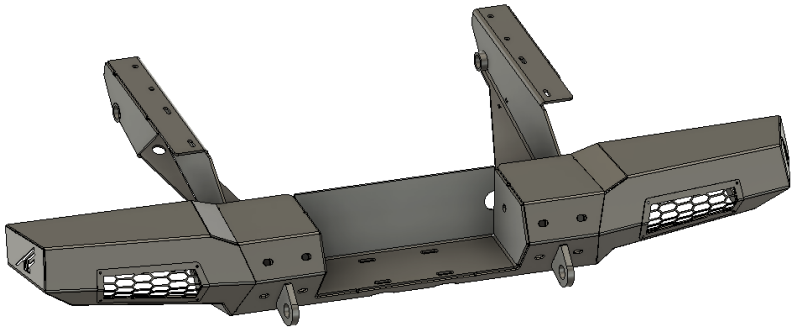


Defender Pro
Rear Winch Bumper

SKU: TF300601



Thumper Fab
5103 Elysian Fields Rd, Marshall, TX 75672
Customer Service: 903-472-0928

Defender Pro Rear Winch Bumper

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PARTS

REF	QTY	DESCRIPTION
1	1	Bumper Body
2	1	Mount Bracket - Driver
3	1	Mount Bracket - Passenger
4	1	Light Cover - Driver
5	1	Light Cover - Passenger
6	2	Tail Light Mount Bracket
7	2	Tail Light Extension Harness
HARDWARE KIT		
A	4	M6 Lock Washer
B	4	M6x16mm Flange Head Bolt
C	6	M6 Nylon Lock Nut
D	8	#8x1/2" Socket Cap Screw
E	8	#8 Nylon Lock Nut
F	8	5/16" Flat Washer
G	4	5/16" Nylon Lock Nut
H	4	5/16" x 4" Hex Head Bolt
I	10	3/8" Lock Washer
J	10	3/8" Flat Washer
K	10	3/8" x 1" Button Head Screw
L	10	3/8" Flange Nylon Lock Nut

TOOLS

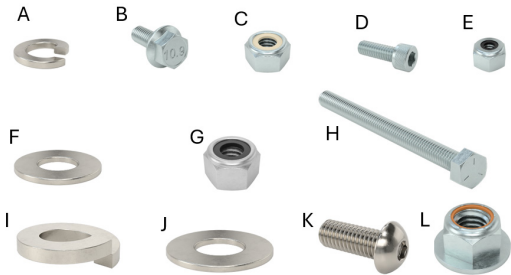
- T40 Torx
- 9/64" Allen Wrench
- 7/32" Allen Wrench
- Flathead Screwdriver
- 10mm Socket
- 13mm Socket
- 11/32" Socket
- 1/2" Socket and Wrench
- 9/16" Socket and Wrench
- Drill
- 5/16" Drill Bit
- Drill Bit Extension
- Floor Jack

Torque Specs:

SIZE (STANDARD)	GRADE 5	GRADE 8	SIZE (METRIC)	CLASS 8.8	CLASS 10.9
5/16"	15 ft/lbs	20 ft/lbs	6MM	5 ft/lbs	9 ft/lbs
3/8"	30 ft/lbs	35 ft/lbs	8MM	10 ft/lbs	23 ft/lbs
7/16"	45 ft/lbs	60 ft/lbs	10MM	32 ft/lbs	45 ft/lbs
1/2"	65 ft/lbs	90 ft/lbs	12MM	55 ft/lbs	75 ft/lbs
9/16"	95 ft/lbs	130 ft/lbs	14MM	85 ft/lbs	120 ft/lbs
5/8"	135 ft/lbs	175 ft/lbs	16MM	130 ft/lbs	165 ft/lbs
3/4"	185 ft/lbs	260 ft/lbs	18MM	175 ft/lbs	240 ft/lbs

BEFORE YOU BEGIN

If you do not feel comfortable installing your **Thumper Fab** Rear Bumper, please see your nearest **Thumper Fab®** Dealer for installation.



INSTALLATION INSTRUCTIONS

Installation Preparation

Remove the tailgate and rear tail light panel from the back of the vehicle using a T40 Torx. Disconnect the OEM tail lights from the OEM wiring to allow the rear tail light panel to be fully removed from the vehicle (**FIG 1 & FIG 2**).



FIG 1 & FIG 2 - Unplug and remove tail light panel assembly

Remove the OEM tail light from the rear panel and set hardware aside to be reused. Use a 10mm socket or wrench to disconnect tail lights (**FIG 3**).



FIG 3 - Remove tail lights from OEM tail light rear panel

INSTALLATION INSTRUCTIONS

Installation Preparation

Fasten the light covers to the bumper body using 8 x #8x1/2" socket cap screws and 8 x #8 nylon lock nuts. Tighten using a 9/64" allen wrench and an 11/32" socket (**FIG 4 & FIG 5**).



FIG 4 & FIG 5 - Mount Light Covers to Bumper Body

Fasten the tail lights to the tail light mount brackets using the OEM hardware. Fasten the tail light mount brackets to the bumper body using 4 x M6x16mm flange head bolts, 4 x M6 lock washer, and 4 x M6 nylon lock nuts (**FIG 6**).



FIG 6 - Fasten OEM tail lights to Bumper Body

INSTALLATION INSTRUCTIONS

Installation Preparation

Using a 13mm socket, loosen and remove the OEM flange lock nuts and washers that fasten the bed pivot bracket to the underside of the bed. Set this hardware aside as it will be reused during installation (**FIG 7**).

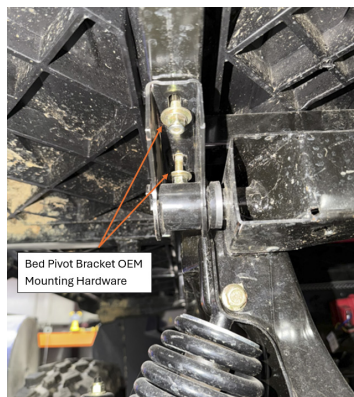


FIG 7 - Remove bed pivot bracket mounting hardware

Disconnect the bed tilt actuator by removing the clevis pin. Be careful when removing as the bed may shift around with the bed pivot brackets loose. Use a floor jack and a piece of wood to lift the rear of the bed enough to slide the bed pivot brackets off of the pivot tube on the vehicle frame (**FIG 8**).



FIG 8 - Disconnect bed tilt actuator and jack up rear of bed

INSTALLATION INSTRUCTIONS

Installation Preparation

Remove the bed pivot brackets and set aside. These brackets will not be reused during installation, they are replaced by the bumper mounting brackets (**FIG 9**).



FIG 9 - Remove bed pivot brackets

Slide the bumper mount brackets over the pivot tube on the frame and align the studs coming down from the bed so when the bed is lowered down the studs slide through the bumper mounting brackets. The brackets will be marked with either a "D" or a "P" to designate either or driver or passenger side bracket (**FIG 10**).



FIG 10 - Slide the mount brackets into place over the frame pivot tube

INSTALLATION INSTRUCTIONS

Installation

Loosley fasten the mounting brackets to the studs coming down from the bed through the mounting brackets using the OEM pivot bracket mounting hardware. Do not fully tighten at this time. Reconnect the bed tilt actuator to the bed frame (**FIG 11**).

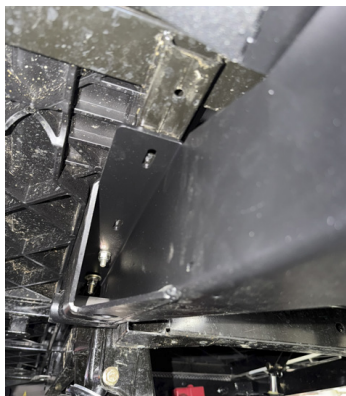


FIG 11 - Fasten bumper mounting brackets to vehicle (Loosley)

Fasten the bumper main body to the mount brackets using the 10 x 3/8" x 1" button head screws, 10 x 3/8" flat washers, and 10 x 3/8" flange nylon lock nuts. Tighten using a 7/32" allen wrench and a 9/16" socket (**FIG 12**).



FIG 12 - Mount the bumper body to the mount brackets

INSTALLATION INSTRUCTIONS

Installation

With the bumper tight, the bumper mounting bracket hardware can be fully tightened in preparation of drilling the remaining mounting holes through the bed. Use the 5/16" drill bit along with the drill bit extension to drill up through the bed frame using the 4 rear most mounting holes in the mount brackets as a template (**FIG 13**).

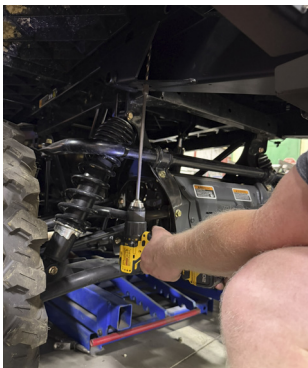


FIG 13 - Drill rear most mount holes through bed frame

Fasten the mount brackets using the drilled holes using 8 x 5/16" flat washers, 4 x 5/16" x 4" hex head bolt, and 4 x 5/16" nylon lock nuts. Tighten using a 1/2" socket and 1/2" wrench (**FIG 14**).



FIG 14 - Fasten the remaining mount holes to the bed through the drilled holes

INSTALLATION INSTRUCTIONS

Installation

Reinstall the tailgate and reconnect the tailgate limit cables (**FIG 15**).



FIG 15 - Reinstall the Tailgate

Plug in the tail light extension harness to the oem tail light harness, then plug the extension harness into the tail light (**FIG 16 & FIG 17**).



FIG 16 & FIG 17 - Plug in the tail light extension harness

INSTALLATION INSTRUCTIONS

PRODUCT DISCLAIMER

The installation of products sold or manufactured by Thumper Fabrication, LLC (Thumper Fab) including, but not limited to suspension components such as lift kits, audio roofs, roll cages, frame stiffener kits, and tires that exceed the original specifications for the vehicle, may change the vehicle's center of gravity and handling characteristics both on- and off-road. You are aware that the installation of tires that are larger than original vehicle specifications may reduce the effectiveness of the braking system. Use of these products may place added stress to the original factory vehicle components which could cause them to weaken or possibly fail.

Products sold or manufactured by Thumper Fab are intended for off-road use only. Operation of a vehicle modified with these products on a road could result in serious bodily injury or death, and such operation may violate the laws of your state or municipality. You agree to operate your vehicle exclusively in the manner intended by the vehicle manufacturer. You agree that failure to safely and reasonably operate your vehicle could result in serious bodily injury or death, and that, as a result of installation of this product(s) to your vehicle, extreme care must be taken to prevent vehicle rollover or loss of control, which may be more likely to occur as a result of said modifications. You will avoid unsafe maneuvers, including sudden sharp turns or other abrupt maneuvers, which could make a vehicular accident more likely. You understand that Thumper Fab is not responsible or liable for any damages or any injuries to yourself or your passengers that could occur upon possible accidents due to driver error, incorrect installations, bad judgment, incompatibility with other aftermarket accessories or natural disasters to the fullest extent allowable by law. You will have all vehicle occupants fasten seatbelts, if equipped, and wear proper safety equipment, such as DOT approved helmet and eye protection prior to operating the vehicle. You understand and acknowledge that failure to wear proper safety equipment may increase the risk of serious bodily injury or death to yourself and any passengers.

Proper installation of products sold or manufactured by Thumper Fab requires knowledge of the factory recommended procedures for removal and installation of original equipment components. Installation of these products without proper knowledge and experience may affect the performance of these components and the safety of the vehicle and cause serious bodily injury or death. It is strongly recommended that a certified mechanic familiar with the installation of similar components perform the product(s) installation.

Prior to installing any products sold or manufactured by Thumper Fab, you will perform or cause to be performed an inspection of their vehicle to confirm its condition is suitable for the installation of these products. A proper inspection of the vehicle includes confirmation that the vehicle has not been in a collision and is free of corrosion. If the vehicle is suspected to have been in a collision or misused, or is otherwise unsuitable for modification, you will not install the product(s). You will continue to inspect the vehicle prior to each use to confirm its condition is suitable for its intended use, and you acknowledge that the failure to do so may result in serious bodily injury or death, as well as damage to the vehicle itself.

You will install any warning labels provided with the product so it may be prominently seen by yourself and all passengers. You will notify all passengers of the modifications performed to your vehicle prior to operation.

Insurance companies may handle coverage of a modified vehicle differently. Please check with your insurance carrier prior to modifying the vehicle to ensure your coverage remains sufficient. Installation of this product(s) may void your vehicle warranty. If this is a concern, please check with the manufacturer or dealer before purchase or installation of this product(s).



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