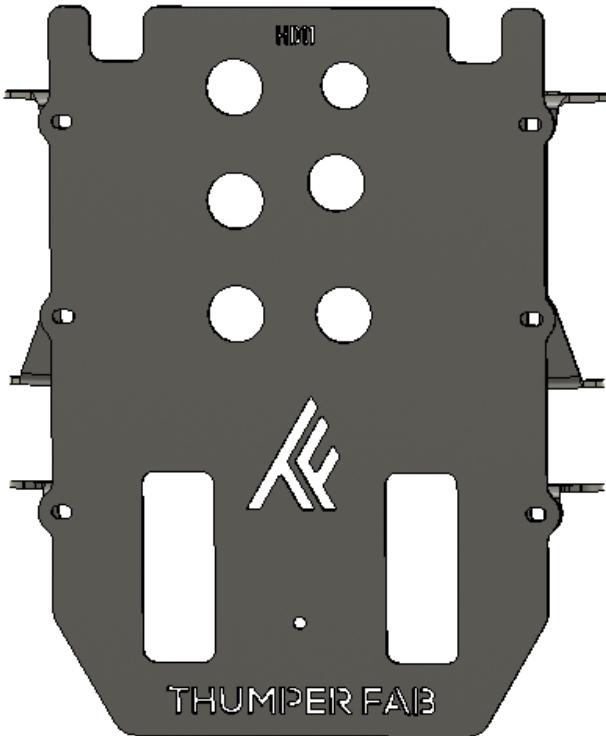




Can-Am Defender HD11 Front Frame Stiffener

SKU: TF290906



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

Can-Am Defender HD11

Front Frame Stiffener

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PARTS

REF	QTY	DESCRIPTION
1	1	Main Plate
2	1	Rear Support Bracket - Driver
3	1	Rear Support Bracket - Passenger
4	1	Middle Support Bracket - Driver
5	1	Middle Support Bracket - Passenger

HARDWARE KIT

A	7	M8 Flange Nylon Lock Nut
B	4	M8 Flat Washer
C	1	M8 Fender Washer
D	7	M8x30mm Torx Head Screw
E	4	M12 Flange Nylon Lock Nut
F	2	M12 Flat Washer
G	2	M12x90mm Flange Head Bolt
H	2	M12x95mm Hex Head Bolt

TOOLS

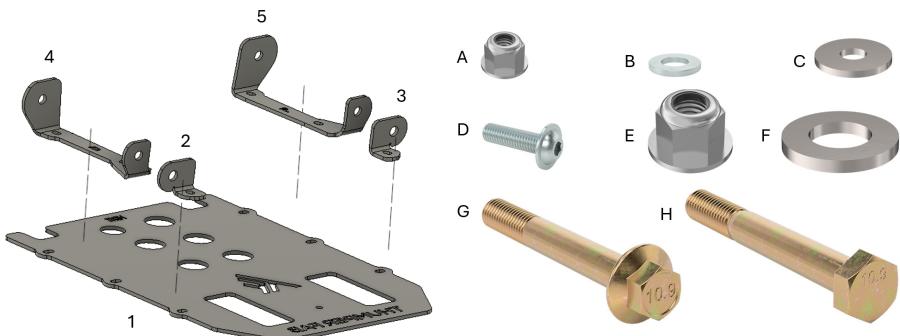
- 5mm Allen Wrench
- 13mm Socket
- 16mm Socket
- 18mm Socket and Wrench
- 19mm Socket and Wrench

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	18 ft/lbs	23 ft/lbs
7/16"	45 ft/lbs	60 ft/lbs	10MM	32 ft/lbs	45 ft/lbs
1/2"	60 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	280 ft/lbs	18MM	170 ft/lbs	240 ft/lbs

BEFORE YOU BEGIN

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



INSTALLATION INSTRUCTIONS

Installation Preparation

Begin by lifting up the vehicle and removing the front wheels. Remove the lower control arm mounting hardware using an 18mm socket and 18mm wrench (**FIG 1**).



FIG 1 - Remove the lower control arm mounting hardware

Loosely fasten the middle support brackets to the vehicle using 2 x M12x90mm flange head bolts for the front bushing collar. Use the M12x95mm hex head bolt along with the M12 flat washers to fasten the middle support bracket for the rear bushing collar. Loosely thread the M12 flange nylon lock nuts onto the front M12x90mm flange head bolts (**FIG 2 & FIG 3**).



FIG 2 & FIG 3 - Loosely fasten the Middle Support Brackets to the Frame using the M12 Hardware

INSTALLATION INSTRUCTIONS

Installation

Slide the rear support brackets over the threads of the M12x95mm hex head bolts before threading the remaining M12 flange nylon lock nuts onto the threads (**FIG 4 & FIG 5**).



FIG 4 & FIG 5 - Loosley fasten the Rear Support Brackets to the Frame

Loosley fasten the main plate to the underside of the vehicle starting with the holes on the 4 corners. Use the M8x30 button flange screws and M8 flange nylon lock nuts to hold the main plate loosely to the underside of the frame (**FIG 6**).

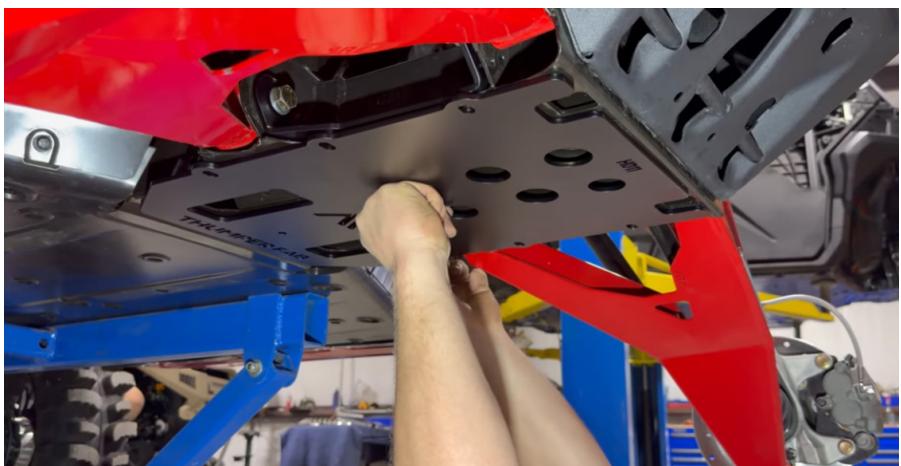


FIG 6 - Loosley fasten main plate to the underside of the vehicle

INSTALLATION INSTRUCTIONS

Installation

Insert 2 x M8 flat washers in between the middle support brackets and the main plate before fastening the main plate to the middle support brackets using the M8x30 button flange screws and M8 flange nylon lock nuts (**FIG 7 & FIG 8**).



FIG 7 & FIG 8 - Loosley fasten the Middle Support Brackets to the Main Plate

Use the remaining M8x30 button flange screw, M8 flange nylon lock nut and M8 fender washer to fasten the center of the main plate to the frame. The M8 fender washer and M8 flange nylon lock nut will be on the inside of the frame (**FIG 9**).



FIG 9 - Loosley fasten center of the main plate to the underside of the frame

INSTALLATION INSTRUCTIONS

Installation

With all hardware started, tighten all M8 hardware evenly. Reinstall the wheels and lower the vehicle to the ground. Once the vehicle is lowered to the ground and the suspension has fully settled, torque the M12 hardware fully and installation is complete (**FIG 10**).



FIG 10 - Tighten all hardware and enjoy your new Thumper Fab Frame Stiffener!

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).



THUMPER FAB

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