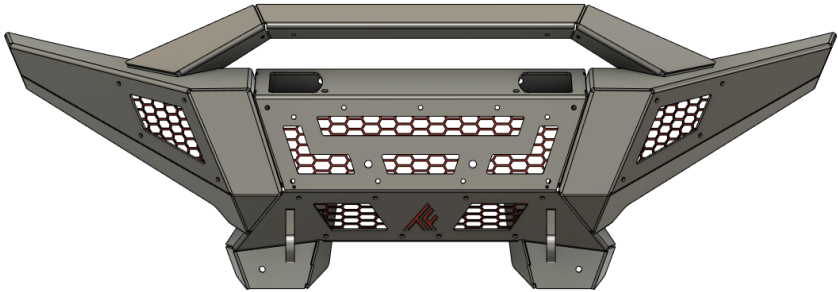


Can-Am Defender HD11
Front Winch Bumper

SKU: TF290501



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

Can-Am Defender HD11

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PARTS

REF	QTY	DESCRIPTION
1	1	Main Bumper Shell
2	1	Driver Wing
3	1	Passenger Wing
4	1	Bull Bar
5	1	Upper Accent Panel
6	1	Logo Accent Panel
7	2	Wing Accent Panel
8	2	Lower Accent Panel
HARDWARE		
A	6	M6x16mm Flange Head Bolt
B	8	M6 Flange Nylon Lock Nut
C	10	M8x20mm Flange Head Bolt
D	2	M8x80mm Hex Head Bolt
E	2	M8 Flat Washers
F	12	M8 Flange Nylon Lock Nuts
G	25	1/4"x1/2" Button Head Screw
H	25	1/4" Thin Lock Nut
I	2	Aluminum Spacer
J	2	Inner Tube Spacer

TOOLS

- 5/32" Allen Wrench
- 7/16" Socket and Wrench
- 10mm Socket and Wrench
- 13mm Socket and Wrench
- Snips
- File
- T30 Torx
- Push Pin Pliers

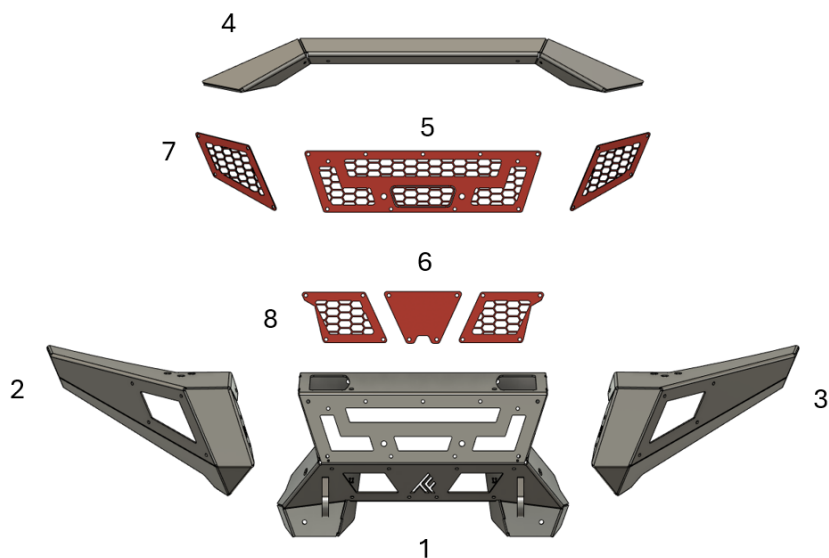
BEFORE YOU BEGIN

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

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"	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	280 ft/lbs	18MM	170 ft/lbs	240 ft/lbs

INSTALLATION INSTRUCTIONS



INSTALLATION INSTRUCTIONS

Installation Preparation

Begin the installation process by mounting the wing accent panels to the wings using 4 x 1/4"x1/2" button head screws and 4 x 1/4" thin nylon lock nuts. Tighten using a 5/32" allen wrench and a 7/16" wrench (**FIG 1 & FIG 2**).



FIG 1 & FIG 2 - Fasten Wing Accent Panels to Wings

If a winch will be mounted on the inside of the bumper (**not in the OEM position**) the fairlead punchout will need to be removed from the upper accent panel. Use a pair of snips to remove the punchout and clean any burrs using a file (**FIG 3 & FIG 4**).

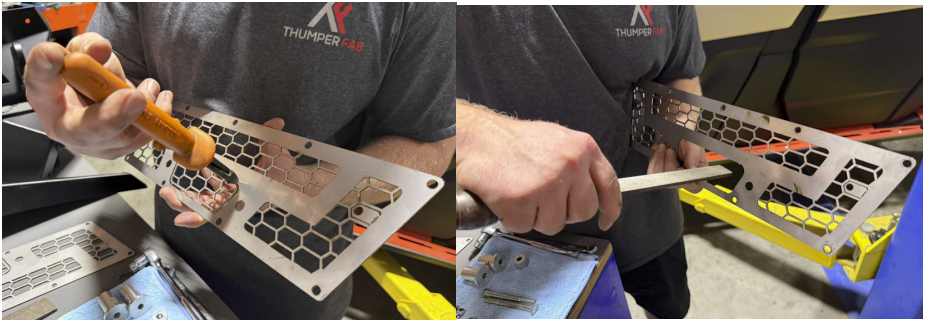


FIG 3 & FIG 4 - Knock out fairlead punch out (ONLY IF RELOCATING WINCH)

INSTALLATION INSTRUCTIONS

Installation Preparation

Fasten the upper accent panel to the main bumper shell using 9 x 1/4"x1/2" button head screws and 9 x 1/4" thin nylon lock nuts. If the winch is being mounted inside the bumper, do not install the 1/4" hardware in the center 2 holes on the lower row. Tighten using a 5/32" allen wrench and a 7/16" wrench (**FIG 5 & FIG 6**).



FIG 5 & FIG 6 - Fasten Upper Accent Panel to Main Bumper Shell

Fasten the lower accent panels and the logo accent panel to the main bumper shell at the same time (the logo accent panel shares mount holes with the lower accent panels). Use 8 x 1/4"x1/2" button head screws and 8 x 1/4" thin nylon lock nuts to fasten the panels to the bumper shell (**FIG 7 & FIG 8**).



FIG 7 & FIG 8 - Fasten Logo and Lower Accent Panels to Bumper Shell

INSTALLATION INSTRUCTIONS

Installation Preparation

Fasten the driver and passenger wings to the main bumper shell using 8 x M8x20mm flange head bolts and 8 x M8 flange nylon lock nuts. Loosely tighten using a 13mm socket and wrench, do not fully tighten at this time (**FIG 9 & FIG 10**).



FIG 9 & FIG 10 - Fasten Wings to Main Bumper Shell

Fasten the bull bar to the wings of the bumper assembly using 6 x M6x16mm flange head bolts, and 6 x M6 flange nylon lock nuts. Tighten using a 10mm socket and wrench (**FIG 11 & FIG 12**).

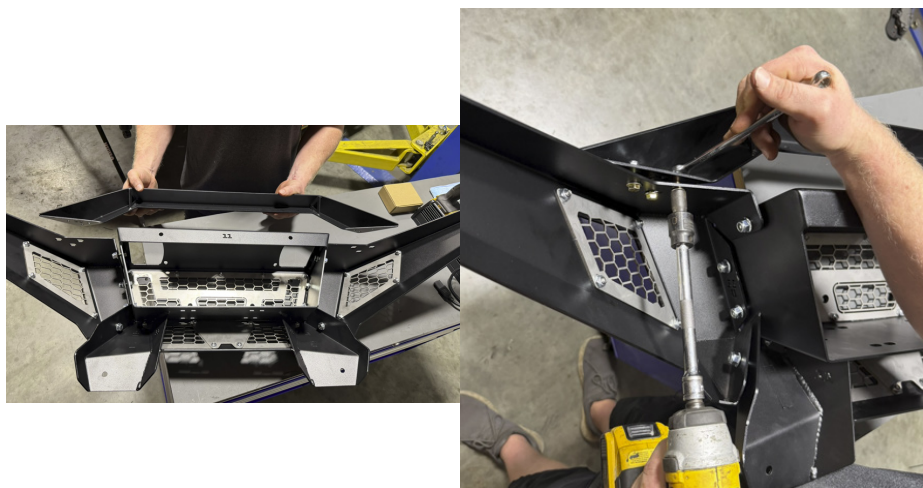


FIG 11 & FIG 12 - Fasten Bull Bar to the Driver and Passenger Wings

INSTALLATION INSTRUCTIONS

Installation Preparation

If a winch is being mounted in the bumper body, mount the fairlead and winch to the bumper. If not and light option was selected, fasten the brackets to the light bar using the hardware and brackets provided in the light bar box. Fasten the light bar assembly to the bumper with hardware from the light bar box. If relocating the winch into the bumper body, the light bar can be mounted to the bullbar (if light option was selected) (**FIG 13 & FIG 14**).



FIG 13 & FIG 14 - Mount light to Bumper (IF LIGHT OPTION WAS SELECTED)

Remove the grill and insert the inner tube spacers into the frame. Once inner tube spacers are fully seated in frame, reinstall the grill (**FIG 15 & FIG 16**).



FIG 15 & FIG 16 - Insert Inner Tube Spacers into Frame

INSTALLATION INSTRUCTIONS

Installation Preparation

Remove the cabin air filter and the jump start cover underneath the hood (**FIG 17 & FIG 18**).



FIG 17 & FIG 18 - Remove cabin air filter and jump start cover

Remove the wiper fluid filler neck and the hardware holding the underhood tray to the vehicle (**FIG 19 & FIG 20**).



FIG 19 & FIG 20 - Remove the wiper fluid filler neck and tray mounting bolts

INSTALLATION INSTRUCTIONS

Installation Preparation

Remove the hood and underhood tray from the vehicle and set aside (**FIG 21**).



FIG 21 - Remove the hood and underhood tray from the vehicle

Use the 2 x M8x80mm hex bolts, 2 x M8 flat washers, 2 x spacers, and 2 x M8 flange nylon lock nuts to fasten the bumper to the top mount holes on the vehicle. The bolts will feed through the inner tube spacer that was inserted in the frame. To access the thread end of the bolt, slide your arm down in front of the radiator and thread M8 flange nylon lock nuts on bolts. Loosely tighten using a 13mm socket and wrench (**FIG 22 & FIG 23**).



FIG 22 & FIG 23 - Loosely fasten the top portion of the bumper to the vehicle

INSTALLATION INSTRUCTIONS

Installation

Fasten the lower portion of the bumper to the vehicle using 2 x M8x20mm flange head bolts and 2 x M8 flange nylon lock nuts. Tighten all mounting hardware using a 13mm socket and wrench (**FIG 24 & FIG 25**).

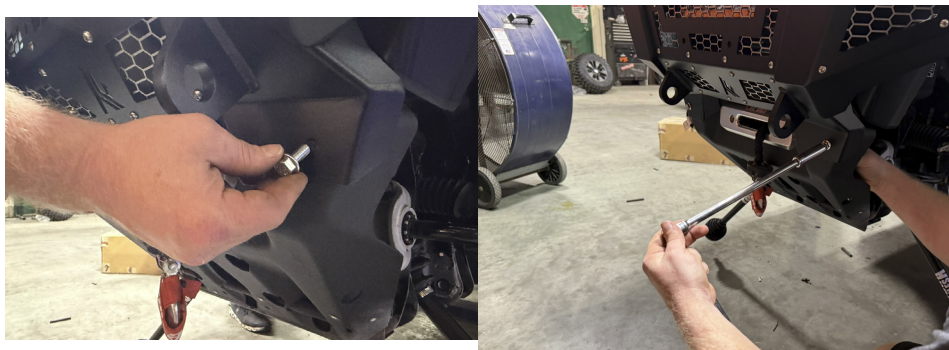


FIG 24 & FIG 25 - Mount lower portion of bumper to the vehicle and tighten all mounting hardware

(OPTIONAL) - WIRING INSTRUCTIONS - if the light option was selected, begin the wiring process by gaining access to the busbar located under the primary dash pad. Start this process by removing the A-Pillar plastic tunnel. To remove this plastic panel, the windshield struts will need to be disconnected. Support the windshield using a block of wood or something similar and disconnect the windshield lifting struts from the frame of the vehicle near the A-Pillar (**FIG 26**).



FIG 26 - Disconnect Windshield Struts from A-Pillar Mount

INSTALLATION INSTRUCTIONS

Light Wiring (OPTIONAL)

Remove the plastic push pins using push pin pliers or similar tool and remove the top torx head bolt with a T30 Torx



FIG 27 & FIG 28 - Remove fasteners holding A-Pillar plastic tunnel to vehicle

Gently remove the A-Pillar plastic tunnel by pulling away from the roll cage. Be careful to pull evenly and to check for any clips that may be hung up during the removal process (**FIG 29**).



FIG 29 - Remove A-Pillar Plastic Tunnel

INSTALLATION INSTRUCTIONS

Light Wiring (OPTIONAL)

Remove dash closeout panel using a flat head screwdriver or similar tool (**FIG 30**).



FIG 30 - Remove Dash Closeout Panel

Remove the dash perimeter screws using a T30 Torx and gently pull up on dash pad to gain access to the busbar located centrally under dash pad (**FIG 31 & FIG 32**).



FIG 31 & FIG 32 - Remove dash pad fasteners

INSTALLATION INSTRUCTIONS

Light Wiring (OPTIONAL)

Connect the red and black ring terminals of the harness to the red and black terminals of the busbar. Fasten the ring terminals to the busbar using the M6 flange nylon lock nuts, tighten using a 10mm socket. (FIG 33 & FIG 34).



FIG 33 & FIG 34 - Connect Harness to Busbar

The majority of the harness will stay under the dash pad with the exception of the 2 male deutsch connectors. Route the deutsch connectors through the firewall and into the hood compartment. Once the wires are outside of the cab, route them along the frame zip tying along the way to the light bar and plug the light into one of the deutsch connectors. Be careful to avoid any hot or rotating components (FIG 35).



FIG 35 - Route wires to light bar and plug light bar into harness

INSTALLATION INSTRUCTIONS

Light Wiring (OPTIONAL)

Route the 3 switch wires to the central switch panel located in the dash. Select an open slot and connect the wires to the switch terminals in the order of Black, White, Blue from top to bottom. With the switch connected, insert the switch into the dash slot and push the start button to give key on power to the harness to test the lights for proper operation (**FIG 36**).



FIG 36 - Connect Harness to Switch

With the switch connected, insert the switch into the dash slot and push the start button to give key on power to the harness to test the lights for proper operation (**FIG 37**).



FIG 37 - Snap switch into dash and test lights

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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