

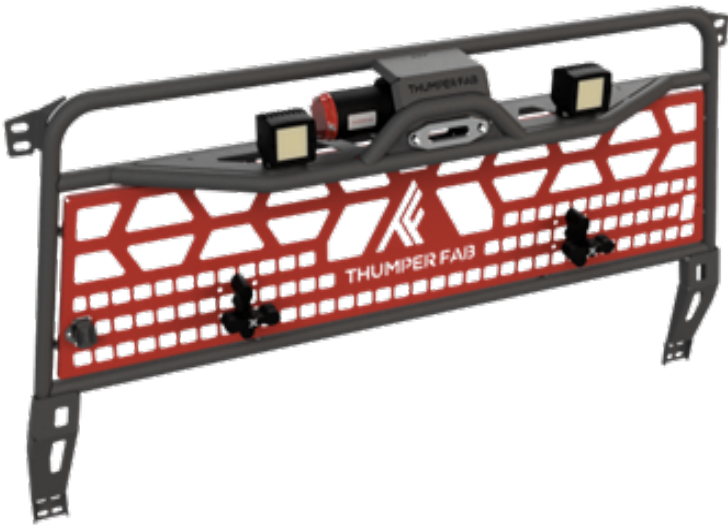


# THUMPER FAB

Aluminum Audio Roofs • Roll Cages • UTV Accessories

## CAN-AM DEFENDER HEADACHE RACK

SKU: TF041601



### Thumper Fab

5103 Elysian Fields Rd, Marshall, TX 75672

Customer Service: 903-472-0928

[www.thumperfab.com](http://www.thumperfab.com)

Ver. 0824

# CAN-AM DEFENDER HEADACHE RACK

SKU: TF041601



## PARTS

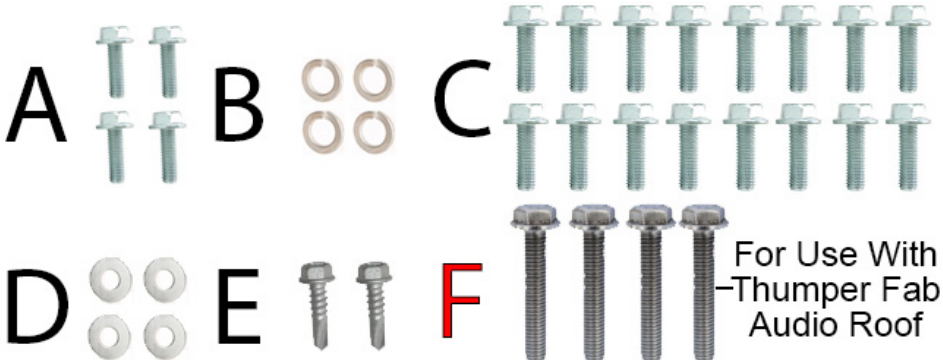
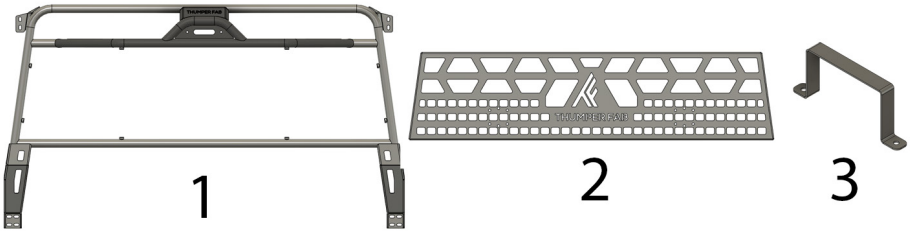
REF	QTY	DESCRIPTION
1	1	Headache Rack
2	1	Accent Panel
3	1	Contact Bracket
4	1	Factory Winch Box
Hardware Kit		
A	4	M6-1.0 x 20mm Flange Bolt
B	4	M6 Lock Washer
C	16	M8-1.25 x 20mm Flange Bolt
D	4	M8 Flat Washer
E	2	1/4-20 x 1" Self Tapping Screws

## TOOLS

- Ratchet
- 10mm Socket
- 13mm Socket
- 13mm Wrench
- Snips
- 4 mm Allen
- Drill with 5/6" Drill Driver

### BEFORE YOU BEGIN

If you do not feel comfortable installing your Thumper Fab HEADACHE RACK, please see your nearest CAN-AM Dealer for installation.



For Use With  
-Thumper Fab  
Audio Roof

# INSTALLATION INSTRUCTIONS

## Install Accent Panel

Fasten the accent panel to the headache rack using 8 of the M8-1.25x20mm flange bolts (C). Thread all 8 the bolts into the threaded bungs before tightening evenly with a 13 mm socket (FIG 1).



FIG 1 - Fasten Accent Panel To Headache Rack Using 13 mm Socket

## Install Fairlead

Remove the fairlead from supplied box and slide it into place under the winch cover plate bull bar. Use the 2 short M8x1.25 bolts, M8 lock washer, and M8x1.25 nuts supplied in winch box along with 13mm socket and 13mm wrench to fasten fairlead to headache rack (FIG 2).



FIG 2 - Fasten Fairlead To Headache Rack - 13 mm Socket & Wrench

# INSTALLATION INSTRUCTIONS

## Install Winch

Run winch cable through hole in winch cover plate and through fairlead to prepare to fasten the winch to the winch base plate. Be careful not to pinch cable (**FIG 3**).



**FIG 3 - Thread Winch Cable Through Fairlead**

## Fasten Winch

Fasten the winch to the winch base plate 4 x M6-1.0 x 20mm flange bolts (**A**) along with M6 lock washers (**B**) using 10mm socket (**FIG 4**).



**FIG 4 - Fasten Winch To Winch Base Plate - 10 mm Socket**

# INSTALLATION INSTRUCTIONS

## Install Headache Rack

Raise the bed to the fully open position to prepare for placement and installation of the headache rack (**FIG 5**).



**FIG 5 - Raise Dump Bed To Fully Open Position**

## Install Headache Rack

Hold the headache rack into place and use 4 x M8-1.25 x 20mm (**C**) flange bolts with 4 x M8 flat washers (**D**) and 13mm socket to fasten the headache rack to the upper holes in the roll cage. **Do not fully tighten (FIG 6)**. **If the unit also has a Thumper Fab Audio Roof, use supplied 4 x M8-1.25 x 45mm flange bolts (F) instead.**



**FIG 6 - Loosely Install Upper Bolts**

## INSTALLATION INSTRUCTIONS

Thread the remaining 4 M8-1.25 x 20mm flange bolts (C) into the lower holes in the factory roll cage. Once all 8 X M8-1.25 flange bolts (C) have been started, use the 13mm socket to tighten all bolts (FIG 7).



**FIG 7 - Fully Tighten Flange Bolts (B) Using 13mm Socket And Ratchet**

### Install Winch Hook and Winch Stop

Use supplied cotter pin to fasten winch hook to eyelet on winch cable. Use 4 mm allen to tighten winch stop to winch cable (FIG 8).



**FIG 8 - Fasten Winch Hook And Winch Stop To Winch Cable - 4 mm Allen**

# INSTALLATION INSTRUCTIONS

## Install Winch Switch

Attach winch switch to accent panel using hardware provided in the winch box (**FIG 9**).



**FIG 9 - Mount Switch To Accent Panel**

## Winch Wiring

Remove the twist release pins holding the battery cover on under the passenger side rear seat. Remove the cover and set it off to the side (**FIG 10**).

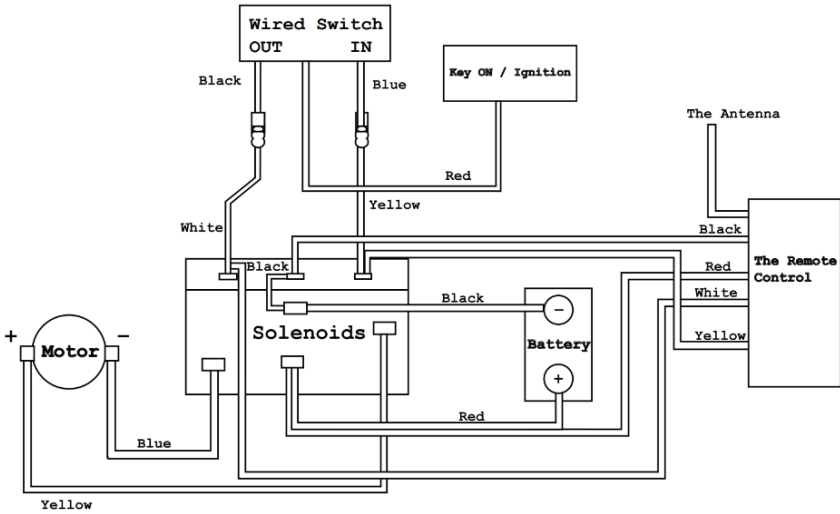


**FIG 10 - Remove Twist Release Pins To Gain Access To Battery**

# INSTALLATION INSTRUCTIONS

## Winch Wiring

**Do not refer to wiring instructions contained in the winch box as it is not suitable for this application.** Reference the following wiring diagram for wiring instructions for the winch (**FIG 11**).



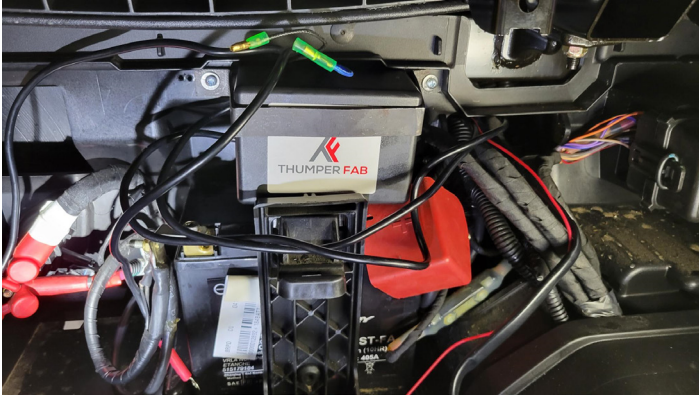
**FIG 11 - Winch Wiring Diagram**



# INSTALLATION INSTRUCTIONS

## Winch Wiring

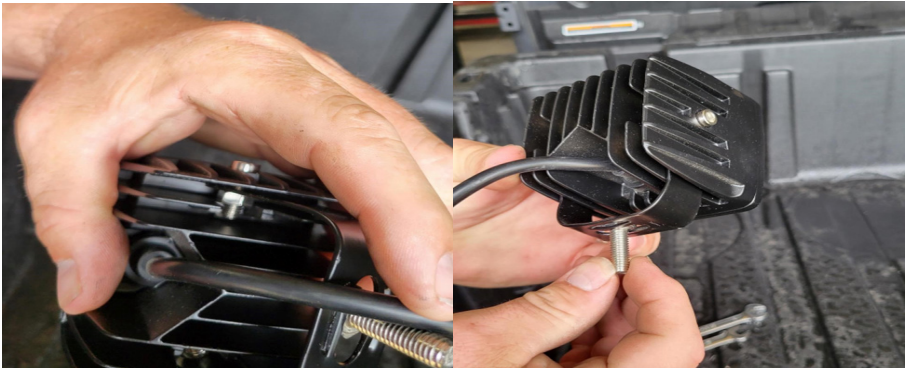
Use provided Winch Contactor Mount Bracket (3) to mount the winch contactor box above the battery using 2 x Self Tapping Screws (E) (FIG 12). Tighten using the Drill and 5/16" Driver.



**FIG 12 - Mount Winch Contactor**

## Install Cube Lights (Optional)

Attach cube lights to the mount brackets using the hardware and brackets inside the light box (FIG 13 & FIG 14).



**FIG 13 & FIG 14 - Fasten Cube Light to Mount Bracket**

# INSTALLATION INSTRUCTIONS

Using the hardware provided in the cube light box, fasten the cube light to the headache rack. Use the provided slots found in the winch mount plate to zip tie the cube light wires to the headache rack (**FIG 15 & FIG 16**)



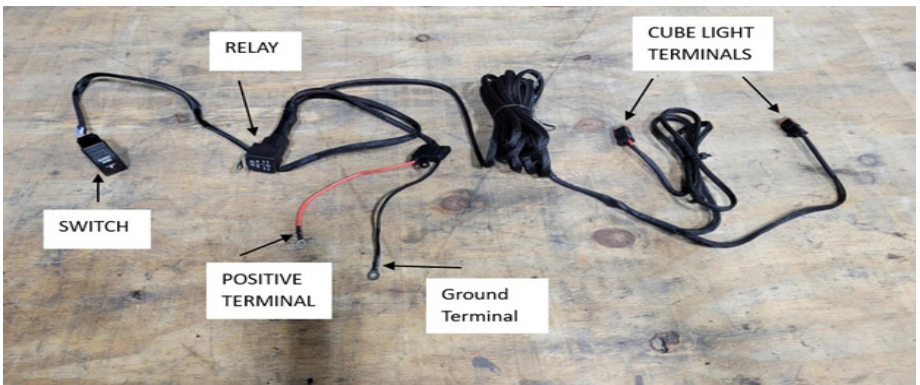
**FIG 15 - Fasten Cube Light to Headache Rack**



**FIG 16 - Ziptie Cube Light Pigtail to Headache Rack**

## Wiring Harness

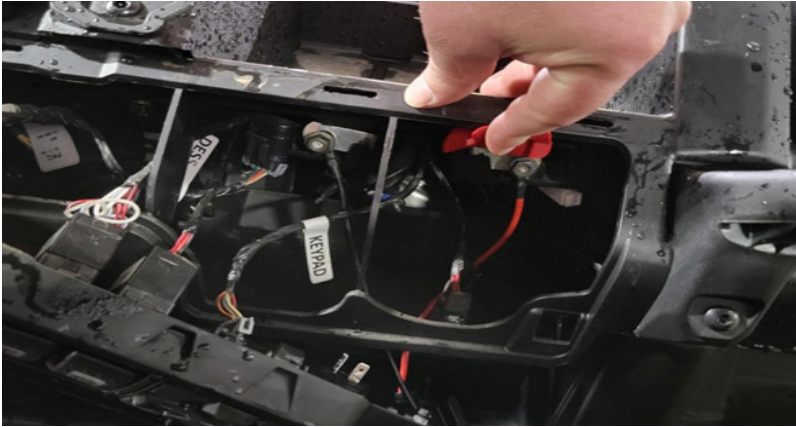
Wiring harness provided to power your cube lights includes a switch and terminals for connection to power and ground terminals (**FIG 17**).



**FIG 17 - Wiring Harness Break Down of Plugs and Terminals**

## INSTALLATION INSTRUCTIONS

Pull back the factory switch panel in the dash of your Defender to gain access to the accessory power and ground terminals. Connect the red wire to the red terminal and the black wire to the black terminal (**FIG 18**).



**FIG 18 - Connect red wire to red terminal and black wire to black terminal**

### Wiring Harness

Select a slot in the dash for your switch. Wires should be as shown below, black on top, white in the middle, and blue on bottom. Snap switch into dash (**FIG 19 & FIG 20**).



**FIG 19 & FIG 20 - Select slot for switch, check wiring before installation. Snap switch into slot in dash.**

## INSTALLATION INSTRUCTIONS

Check out these other Thumper Products!



**TF040601 - Defender Elite Rear Winch Bumper**

## INSTALLATION INSTRUCTIONS

Check out these other Thumper Products!



**TF041701 - Defender Half Doors**

The installation of products sold or manufactured by Thumper Fab including, but not limited to suspension components such as lift kits, control arms, frame stiffener kits, roofs, roll cages, 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**

**Thumper Fab**

5103 Elysian Fields Rd, Marshall, TX 75672

Customer Service: 903-472-0928

[www.thumperfab.com](http://www.thumperfab.com)