

# JK 2-Door Model

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# INSTALLATION INSTRUCTIONS

**For Squareback**

UPDATED 5/25/2022

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**myTop<sup>®</sup>**

**Choose Freedom**

## CONTACT US

Thank you again for purchasing a myTop. We are happy to assist with any questions or concerns.



**+1 404-879-5389**  
2195 Defoor Hills Road NW, Suite M  
Atlanta, GA 30318  
**info@myTop.us**  
**www.mytop.us**

## IMPORTANT SAFETY INFORMATION

Please read the installation instructions and all of the safety information in their entirety before starting installation. Please read the owner's manual, and heed all safe operation and safety warnings in the manual. Please keep these instructions and safety information for future reference and follow all instructions and information as outlined in this manual. We strongly urge you to view the Installation video guide found at the myTop website, [mytop.us](http://mytop.us).

While we have prepared this installation guide believing it to be complete and accurate, you may encounter difficulty in one or more steps. Your vehicle may have been modified in a fashion that may require additional assistance, or your Jeep tub, doors, and windshield frame may vary in measurement or dimension. In the event you experience difficulty with your installation contact myTop at [info@mytop.us](mailto:info@mytop.us) or call **+1 404-879-5389**.

### GENERAL SAFETY GUIDELINES

Installation of the myTop on your vehicle requires knowledge of the use of both hand tools and power tools. Installation requires general knowledge of automotive electrical systems. Installation requires lifting a heavy object which requires a minimum of 2 individuals to lift the myTop and place it onto your Jeep Wrangler. **Do not attempt to lift the unit onto the Jeep by yourself.**

**Please note the following general warnings to prevent injury or damage:**

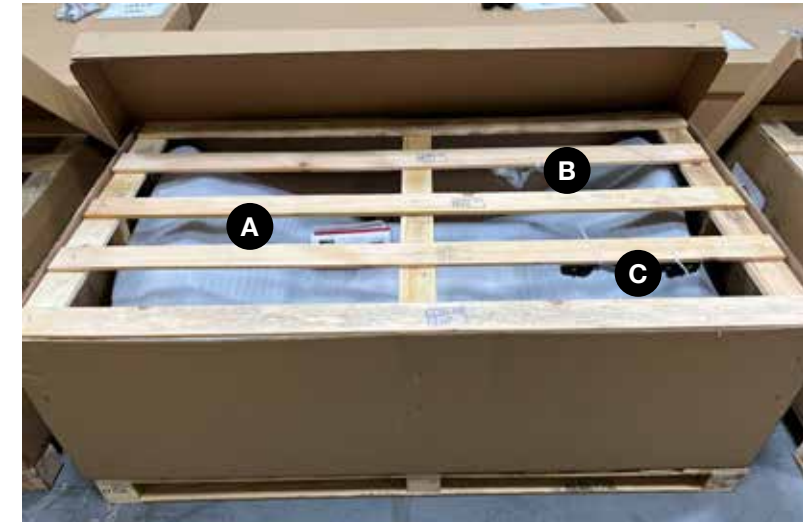
1. **READ** these instructions and warnings; **KEEP** these instructions and warnings; **HEED** all warnings and **FOLLOW** all instructions.
2. **ALWAYS** take care when using hand tools and especially with power tools. Use tool only as intended by manufacturer. Use correct size and type of tool for each step. **INSPECT** all tools before use, do not use tools which are loose or broken. Keep all hand and power tools away from children. Keep clear of drill bit operation during operation.
3. **ALWAYS** wear eye protection in work areas, such as ANSI-approved safety goggles.
4. **TAKE CARE** when using any cutting tool or instrument to avoid serious injury or death.
5. **IF** an accident or injury occurs, seek qualified assistance from qualified personnel, such as a fire department, emergency medical technicians, police department, or a trained medical personnel.
6. **IF** you believe that any step is unclear, or beyond your capability, please seek qualified assistance.
7. **SAVE** these warnings.

**Failure to comply with the above requirements may result in personal injury or death. Please take a moment to review the following safety information.**

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## Section 1 myTop Components



*Above image: Components inside the crate*

- |                                   |                 |
|-----------------------------------|-----------------|
| <b>A</b> Customer Welcome Booklet | <b>C</b> Motors |
| <b>B</b> Latches                  |                 |

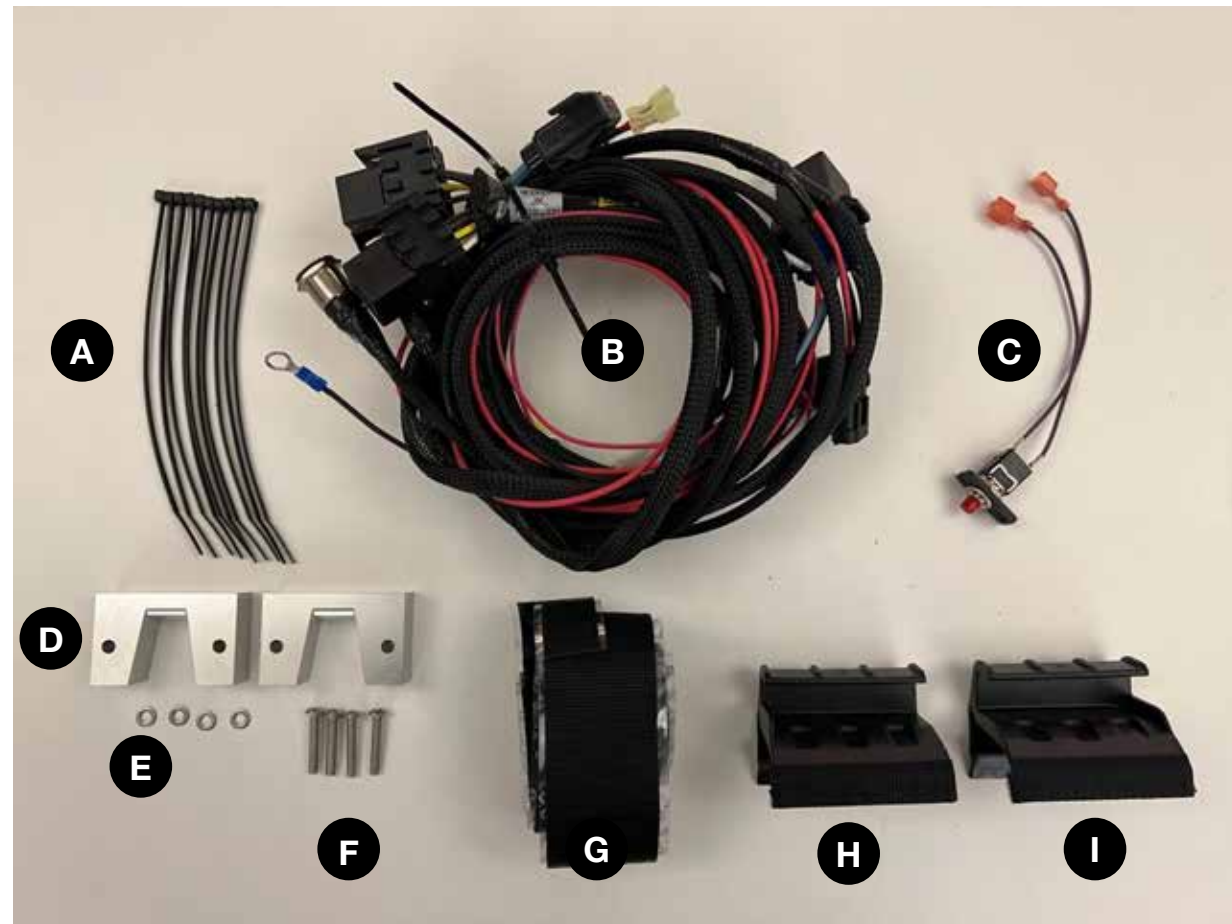


*Below image: Components removed from the crate*

- |   |                                 |
|---|---------------------------------|
| <b>A</b> Linkage / canvas                     | <b>G</b> Corner bracket (right) |
| <b>B</b> "C" -Pillar covers                   | <b>H</b> Corner bracket (left)  |
| <b>C</b> Motor cover (right)                  | <b>I</b> Component bag          |
| <b>D</b> "C"-Pillar (right and left)          | <b>J</b> Motors                 |
| <b>E</b> "C"-Pillar pedestal (right and left) | <b>K</b> Dampers                |

## Section 1

## myTop Components



Components Bag

- |   |  |
|---|--|
| <b>A</b> Zip ties                           | <b>F</b> Bolts for latch receivers     |
| <b>B</b> Main harness and battery connector | <b>G</b> Velcro (4)                    |
| <b>C</b> Limit switch                       | <b>H</b> Tailgate bar receiver (left)  |
| <b>D</b> Latch receivers                    | <b>I</b> Tailgate bar receiver (right) |
| <b>E</b> Washers for latch receivers        |  |

## Section 2 myTop Wiring Harness Installation Engine Compartment

### A: Engine Compartment / Electric Harness Attachment

**CAUTION:** READ CAREFULLY AND UNDERSTAND ALL INSTRUCTIONS IN THIS SECTION BEFORE PROCEEDING. PLEASE WATCH THE VIDEO TO AID INSTALLATION.

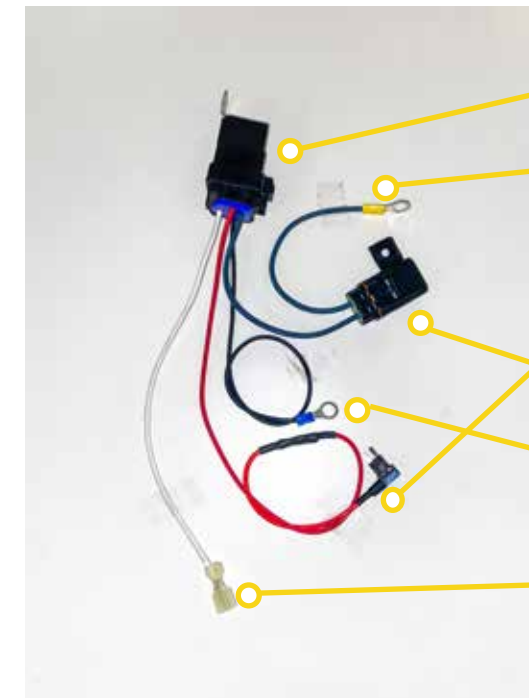


**PRIOR TO FOLLOWING ANY OF THE BELOW  
INSTALLATION STEPS, DISCONNECT THE BATTERY**

#### REQUIRED TOOLS

- Under Hood Relay System
- myTop Wire Harness
- Punch
- Wire Ties

#### UNDER HOOD WIRING HARNESS



- A** myTop Wire Harness 12 Volt Sealed Relay
- B** Positive (+) Wire with Connector (under hood); Connects to positive battery terminal
- C** 15 Amp Fuse Tap; Attaches inside the vehicle fuse box ("Cigar LTR" fuse or other that is only powered on while ignition is on )
- D** 40 Amp Sealed Fuse Receptacle
- E** Black Negative (-) Wire with Connector; Connects to the vehicle battery
- F** Positive (+) Terminal Connector (under hood); Connects to the main wire harness at Wire #3, below

## Section 2 myTop Wiring Harness Installation Engine Compartment



### ⚠ CAUTION

#### STEP 1

- Open hood and disconnect battery
- Open fuse box and connect 15 Amp Fuse Tap (C) into open receptacle (Cigar LTR)
- **USE CAUTION:** Prevent inserted wire from being pinched or cut. Use wire cutters to carefully notch the side of the fuse box approximately 1/2" deep
- by 1/4" wide.
- Please make sure the receptacle used is an ignition receptacle, so it is only powered with the ignition on. Otherwise, you will drain your battery.



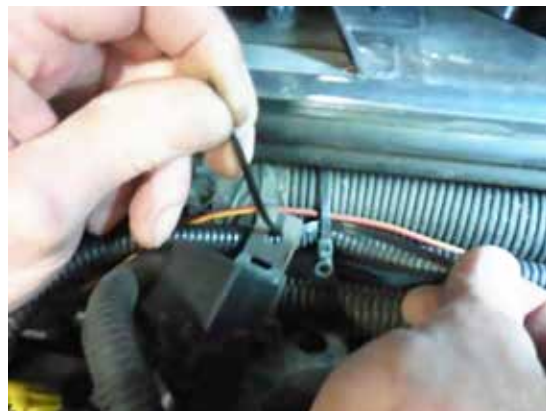
#### STEP 2

Attach blue wire to battery terminal positive and attach negative black wire to negative terminal or body ground



#### STEP 3

Secure 40 Amp Sealed Fuse Receptacle (D) to the plastic factory shroud next to the vehicle battery using provided zip ties



## Section 2 myTop Wiring Harness Installation Engine Compartment



#### STEP 4

Zip tie the 12 Volt Sealed Relay (A) to the plastic factory battery shroud

#### STEP 5

- Connect two ends of harness and guide red power cable through firewall on driver side into the cabin near break pedal (firewall entry through the clutch space)
- If you have a clutch, enter engine compartment through the floor on the passenger side and underneath the vehicle

### ⚠ CAUTION

#### STEP 6

- Slide driver's seat all the way back and use flashlight to locate factory grommet hole in the firewall (under the dash to the left of the steering wheel column where clutch pedal would be installed on the drivers side of the vehicle)
- The firewall is the vertical metal piece which separates the engine compartment from the passenger compartment
- Pierce through the factory grommet



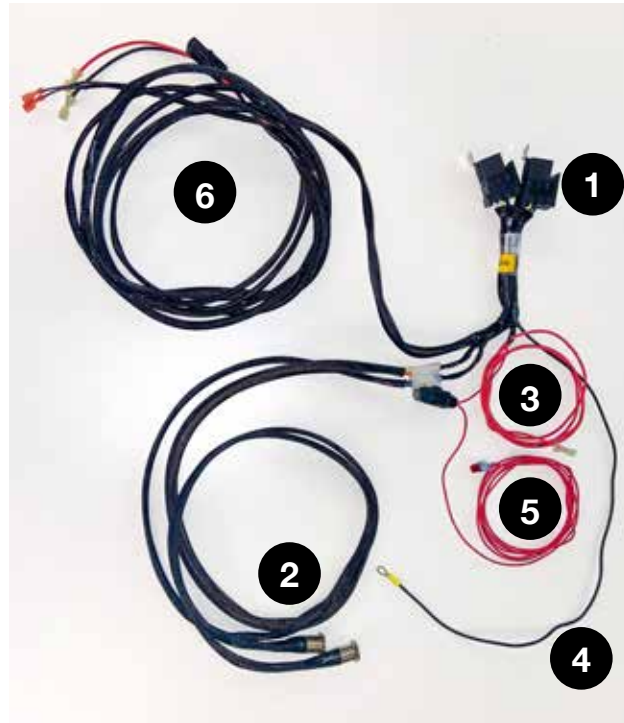
#### STEP 7

- Feed the entire length through the grommet hole, then lay it out along the thick black factory harness attached to the firewall
- Locate the Positive (+) Terminal Connector (F) and cover the length of this wire with the supplied piece of black wire cover (loom)
- Attach with several zip ties to the thick black factory harness



## Section 2 myTop Wiring Harness Installation Cabin Wiring

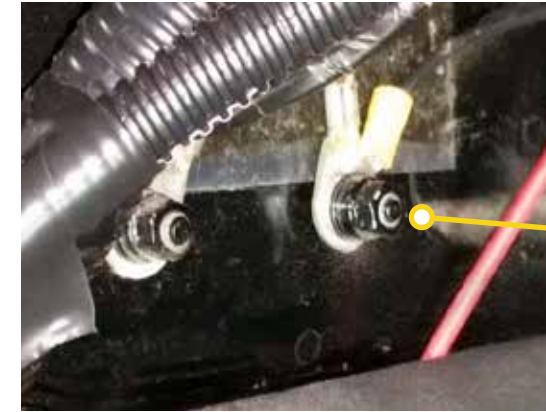
### B: Cabin Wiring



#### CABIN WIRING SYSTEM DIAGRAM

- WIRE 1** 12 Volt Motor Relays: attach to the front inside of the driver side behind kick panel
- WIRE 2** “Top Open” and “Top Close” Switch Wire Connectors: attach to the dashboard near steering column
- WIRE 3** Connect to this red wire to the white wire on the the under hood battery harness
- WIRE 4** Interior Ground Wire with Connector
- WIRE 5** Brake Light Connector with In Line Fuse, attaches to the brake light wire, passenger’s side
- WIRE 6** Motor Harness with right and left motor connectors and limit switch connector

## Section 2 myTop Wiring Harness Installation Cabin Wiring



#### STEP 8

- Open rocker panels on driver side at front and rear door
- Lay wiring harness from front to back door
- Fasten Interior Ground Wire with Connector (**Wire 4**) to one of two existing ground studs behind the kick panel

#### ⚠ CAUTION

Be sure to secure wires away from the peddles to not interfere with vehicle operation.

#### STEP 9

- Attach the two 12 volt motor relays (**Wire 1**) to factory bracket above ground studs
- Use zip ties to secure relays, but make sure to attach high enough to avoid driver’s feet



#### STEP 10

- Identify brake light wire under rocker panel of the driver side. It usually is the white and yellow wire, but check with a device to make sure you are tapping into the correct wire. **NOTE:** As a safety feature, the top will only function when the brake is applied.

FOR BEST RESULTS,  
MAKE A SOLDERED CONNECTION

## Section 2 myTop Wiring Harness Installation Cabin Wiring

### REQUIRED TOOLS

- Step Drill
- Pliers
- Plastic Fiber Stock
- Switch
- Wire Ties
- Marking Pen and Masking Tape
- Tape Measurer



## Section 2 myTop Wiring Harness Installation Cabin Wiring



### STEP 11

- Note recommended switch location for Jeep Model year 2007-2013 (blue circle in top photo)
- Note recommended switch location for Jeep Model year 2014-2018 (bottom photo)
- **NOTE:** An experienced professional knows that the switches can be installed in other locations to suit a particular driver's needs or in the event that the location shown in these photos may already be used for switches of other accessories

### ⚠ CAUTION

To prevent damage to the button, be sure there is enough space between the button and installation location.

### STEP 12

Carefully remove lower steering column access plate

### ⚠ CAUTION

### STEP 13

- Use caution when operating electrical hand tools
- Drill a 1/8" pilot hole into the access plate, then enlarge the hole to 3/4" using a step bit
- Verify that the hole will accept the switch

## Section 2 myTop Wiring Harness Installation Cabin Wiring



### STEP 14

- Carefully disconnect the switches from the harness assy, noting which wires attach to which pin on the back side of the switch
- Remove retaining nut
- Insert switches through pannel
- Attach the retaining nuts to each switch
- Ensure both switches are properly aligned and tightened
- Connect switches to the wire harness, matching wire colors
- **NOTE:** To avoid mixing up the switches remove and install one switch at a time

### ⚠ CAUTION

Be sure not to locate switches where they will interfere with the metal plate behind the plastic panel.



## Section 2 myTop Wiring Harness Installation Cabin Wiring



### STEP 15

- Route “Top Up” and “Top Down” switch wire connectors up and under dashboard (make sure wires will not interfere with brake pedal)
- Reconnect the harness assembly
- Ensure wires are secure with provided zip ties
- **NOTE:** Once powered, switches will have a blue illuminated ring oonly when key is on

### STEP 16

- Guide wiring harness under rocker panels and carpet to motor mounts on driver side

### ⚠ CAUTION

If wires are run incorrectly, damage to the harness will occur when the back seats are moved into the down position.

- Guide longer piece of harness under carpet under back seats over to motor plate on passenger side

### STEP 17

When operational, install the motor cover to linkage to cover motor, wires and gear





## Section 3

## Velcro Installation



**NOTE:** Please ensure that you attach velcro BEFORE placing the linkage on the body. There are two pieces of Velcro to use on the sides of the vehicle body – one wider and one narrower.

The narrower Velcro is inserted under the lip towards the rear of the vehicle and around the corner (see top two photos).



The wider one is inserted under the lip and wrapped around to run up to the main assembly bar (see bottom two photos).

Use a plastic prying tool to make sure the adhesive of the Velcro sticks nicely and snug underneath both lips of the side body.

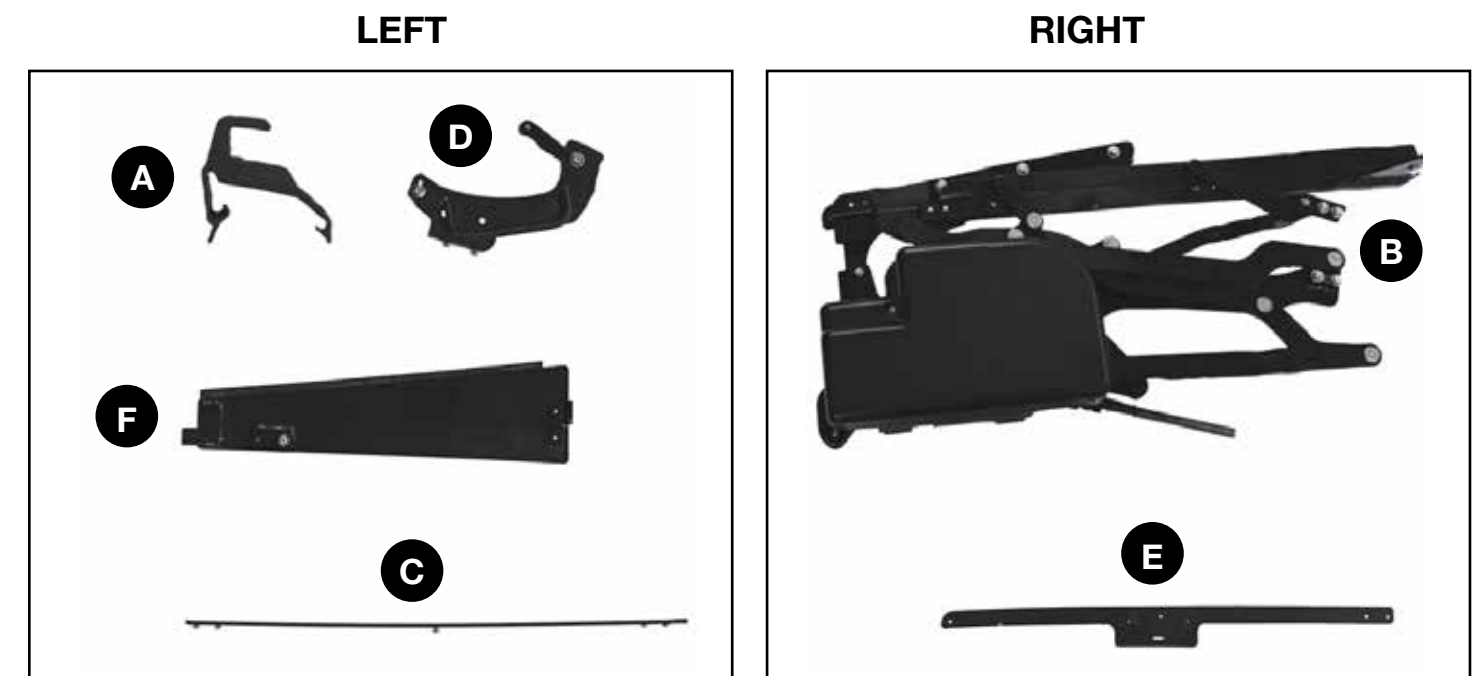
## Section 4

## Linkage Installation

In this section, we will install the mechanical linkage, both the left side and the right side. Both sides are identical, but mirrored units. Complete installation of one side before proceeding with installation of the other side.

The following components are installed on the passenger side, these are located in box A.

### Passenger Linkage Assembly Components (right side)



- A Tailgate bracket
- B Main assembly (usually pre-assembled to part E)
- C Underbody bar
- D Bow pad bracket
- E Overbody bar (usually pre-assembled to part B)
- F B-pillar part

## Section 4

## Linkage Installation



### STEP 18

- Install underbody bar (C) under frame of jeep (this piece will slide under without removal of any trim pieces)
- The bent side of the bar is installed towards the back of the vehicle
- Secure rear bow bracket to chassis as shown (blue circles)
- **NOTE:** Remove plastic rivets. These are replaced with bolts and the rubber seal goes on top of the assembly.
- **NOTE:** If top is from production date March 2020 or earlier, the bow pad is velcroed around the rear bracket (more information in the next chapter).



### STEP 19

Before lifting the top on to the vehicle **STOP!**  
This step should only be done after the velcro has been installed.

- Team lift the top and place the tub of the Jeep
- When lifting the top be sure to lift from under the overbody bar (the base of the top)



## Section 4

## Linkage Installation



### STEP 20

- **TOP PHOTO:** Bolt the top to the underbody bar.
- **MIDDLE AND BELOW PHOTOS:** Blue circle denotes bolt location to secure part to chassis
- Note the bolts holding the motor assembly on the main bar are positioned in slots (circled in blue on both photos) and set to an initial position that works for most JK models. Changing the position in those slots will move the main assembly back and forth relative to the vehicle. The top can be adjusted forward and backward by the positioning of main assembly on the assembly bar (this may come into play later when fine tuning or needing to re-adjust the settings).
- **NOTE:** The left and right side assembly must have about the same slot position, otherwise the top is going to move off-set and non-parallel
- Favor forward position for best results.



## Section 4

## Linkage Installation



### STEP 21

- Attach wiring harness to connectors of BOTH the motors and limit switch (on the driver's side)
- Start the engine, push the break pedal and operate the linkage up and down to make sure that the wiring up process is correct



### STEP 22

- Plug in the limit switch which is placed under motor cover on driver side and set to an initial position that works for most vehicles
- Limit switch height determines opening position of the top. If opening position is not below tailgate brake light, lower opening limit switch to cut power to the motor later.

**THIS COMPLETES THE LINKAGE INSTALLATION, REPEAT STEPS FOR THE OTHER SIDE OF THE VEHICLE**

### STEP 23

Install left and right motors.

## Section 5

## Canvas Installation



### STEP 24

Start the engine, press and hold the brake pedal and press and hold until open switch operate the top half way up (90-degrees).

**CAUTION**

**DO NOT FULLY CLOSE TOP UNTIL STEP 28 PAGE 25 OR DAMAGE MAY OCCUR**



### STEP 25

USING SCISSORS CUT, DO NOT TEAR OUT, THE SEAM CAN BE DAMAGED. Remove the inside window protection. The Fastback models only have one window per side while the Squareback model have two windows on each side. Remove ONLY THE FRONT window protection. The rear side window protection are not precut and are to remain permanently covered. Removing these rear window covers will void canvas warranty.

## Section 5

## Canvas Installation

### STEP 26

- Install rear bow tube (this should have o-rings and adjustable bolts)
- **NOTE:** The o-rings must be between the rear header and the threaded rod (rear bow bar bracket) to prevent the rear header/bow bar to be pushed out during operation

### ⚠ CAUTION

Check to make sure the bow pad (safety belt-like fabric that is riveted to the rear and cross bars) is NOT wrapped around the rear bow bar

- **PICTURED BOTTOM LEFT:** From the inside, wrap Velcro strips sewn by the side windows around the round rear bar



## Section 5

## Canvas Installation

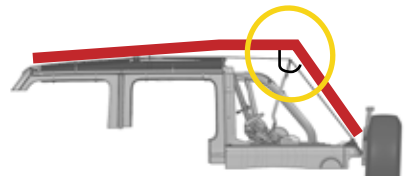
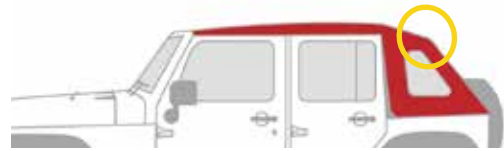
### STEP 27

- Before attaching rear canvas to bow pad bracket and tailgate bracket, insert plastic tailgate bracket of bow pad bracket as shown left
- Clip tailgate bracket from behind and pull forward gently into place
- There is a left side and a right side
- The rear of the canvas holds two bolt holes on each side. Insert two bolts through those holes into the threaded bracket that holds the bow pad, as installed earlier.
- Attach bolts with washers and tighten accordingly
- **NOTE:** If top is from production date March 2020 or earlier, the bowpad is velcroed around the rear bracket. Leave off until top is latched down and complete, then wrap around bracket and fasten tightly. Unlatch the top, unvelcro the bowpad in the rear again and tighten very slightly (try 1/2 inch) for extra tension. Ensure that tension on the left and right side are the same.



## Section 5

## Canvas Installation



Before operating top it is necessary to set the rear most bow in both the Fast back and the square back into its proper location.

### THE FASTBACK:

With the headliner unzipped the bow needs to go into the back upper corner. To accomplish this utilize the double sided velcro flap that is sewn into the canvas. The flap should go forward along the roof line and then come down to wrap around the rear bow tube towards the back. The goal is that when the top is closed and latched the bow tube will sit at the seam where the roof changed from horizontal to diagonal. Failure to place the bow in this position will result in damage to the canvas.

### THE SQUAREBACK:

With the headliner unzipped the bow needs to go into the back upper corner. To accomplish this utilize the double sided velcro flap that is sewn into the canvas. the flap should go down along the rear window and then come forward to wrap around the rear bow tube towards the roof. The goal is that when the top is closed and latched the bow tube will sit at the seam where the roof changed from horizontal to diagonal. Failure to place the bow in this position will result in damage to the canvas.

The sides of this bow tube must also be secured between the two side windows with the side velcro flaps.

There is an additional bow forward of the rear bow that must also be placed in a velcro keeper that extends across the roof.

## Section 5

## Canvas Installation



### STEP 28

- Insert the sewn in plastic strip underneath the body flange
- The plastic strip has Velcro attached to it too, which will help the fabric sides stay in place. Apply gentle force to push in tightly.
- Push the fabric up firmly by hand or use a soft ended tool (wooden end of a hammer shaft for example) to aid pushing the fabric underneath the flange

### CAUTION

Hand-tighten bolts to begin.

### STEP 29

- Begin by attaching the bottom bolt. Be sure to include the provided spacer.
- Install the top bolt upside down.
- To align the c-pillar to the door and prevent door springback, fully tighten the bottom and top bolts with the doors closed. Open the window for better access.
- Inspect the c-pillar making sure it is straight in-line with the body. It will have a tendency to “follow the wrech” when tightening. Tighten in stages for best results.

## Section 5

## Canvas Installation



### STEP 30

- C-pillar cover is easily wrapped around the C-pillar and has the same color as the top. The rear doors shut to it on one side and the L-arm from the top on the other side.
- **NOTE:** Wash your hands before touching canvas
- After installation, you may have a small gap between L-Arm and C-pillar cover. Put top down and take C-pillar cover off. Add padding underneath C-pillar in area where you see the gap (fixate padding with gorilla tape or something similar). Reattach the C-pillar cover snug around it. L-arm positioning can also be changed by turning the bracket that attaches L-arm to main assembly or moving L-arm back and forth when main assembly is moved.

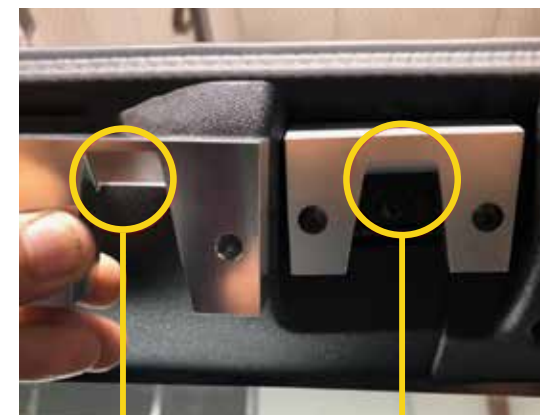


### STEP 31

- The rear window is inserted with the keder sewn into the fabric of the rear window into the keder slot on the tailgate cross bar
- Slide the keder into the bar, then attach the zippers to the top (across horizontally first, then the vertical sides)
- Push bar into the tailgate brackets to secure
- **NOTE:** It is best to insert the window when the top is in the 90 degree position

## Section 5

## Canvas Installation



INCORRECT

CORRECT



### STEP 32

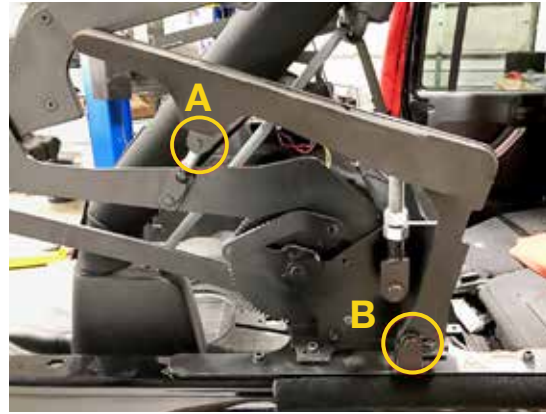
- Remove the old latching mechanism (left top image) and install new mechanism with supplied bolts
- Both sides are identical, but must be installed as shown (left middle image)
- **NOTE:** Use a manual tool like an allen wrench to fasten the bolts that hold the receiver latch. Avoid using an electrical tool because the threads made by the manufacture are sensitive and can strip easily.

### STEP 33

- Latch down the top to the body of the vehicle on both sides and ensure resistance is not too great
- **NOTE:** It will be a little tight until fabric settles, this is normal and to be expected

## Section 5

## Canvas Installation



### STEP 34

- The L-arm is already attached to the canvas fabric. Bring it around to its side position on both sides and attach.
- The bolt marked **A** comes from the inside, the bolt marked **B** is attached from the inside
- **NOTE:** Make sure the inside pocket where the L-arm joins the fabric is placed in the black metal piece / end of the L-arm. This will keep the canvas in place and nicely guided by the L-arm while operating the top.
- Latch down the top. It will seem tight at first, but it will stretch out.
- Notice the L-arm attaches the octagon shaped bolt to the overbody bar. With the help of a second person, pull L-arm towards and into the C-pillar.
- Turn small round bracket on inside of vehicle until it overlaps the threaded hole in the L-arm. Then, tighten it down with appropriate bolt.
- **NOTE:** when closed there should be no gap between L-arm and C-pillar
- **NOTE:** Sometimes upon opening, the linkage gets caught by a bolt and the L-arm does not clear it. When this happens, please take the following steps:
  - A. Put a washer between the bolt and the above mentioned bracket before bolting the L-arm to the bracket. This creates an extra 1-2mm in space to help clear this area.
  - B. If this does not suffice, take the bolt off again and bend the bracket outward a bit (approximately 2-3mm) and reattach the bolt with the washer.



## Section 6

## Fine-tuning Tips

### Operation of myTop

The limit switches stop the motor's operation for the opening and closed position. Adjust the limit switches so the top opens all the way to the lowest position. BE AWARE! The switch is sensitive, so even a small touch of the switch will cut the power and stop the movement. As for the closing limit switch, install it so that the top stops short of the window frame, and it does not slam down. Tension in the overall system will assist in keeping it from doing this. You want the motor to stop five (5) inches or so above the windshield, so that you gently pull the top down and latch it.

The canvas is very tight on the first install and operation. You will need a little force to pull it down, but not excessively. When latched let it sit for a while (ideally for a day, maybe even outside in the sun. It will stretch the fabric out. After this has been done (and you do not have to do it that way) you may find that the latches are too easy to latch and unlatch. If the latches simply fall done with a touch of one finger, then you need to adjust the latch position (up for making the lever stronger) and get a firm latch. This will pull the front header of the canvas further into the windshield seal and seal the top! This will prevent leakage! Small changes have a significant effect.

If the top is still not sealed enough then you may want to consider moving the entire assembly up forward (or backward if too far upfront). If that is done you may likely have to look at the latch position again.

### Visual Creases in the Back of the Canvas

Two main options: the rear round bow bar that was inserted into the rear bow bracket with the two bolts on them (the one the o-rings on them) can be adjusted up and down. This changes not only the height of the bar and therefore the height of the top, it changes tension quite a bit too by the same token. The beginning position is always good to be around and inch and half from the bottom of the bracket. Move the bolts up or down to see what the visual effect is on the creases when the top is closed again. You have to make the bolt adjustment when the top is open. Make sure the bow bar is pushed all the way in to touch the bolts and make sure the O-rings are underneath the bar!

The second main option is the adjustment of the fabric how it is fastened to the L-arm from the inside of the vehicle. With the top opened loosen slightly the bolts on the metal plate under which the fabric is sandwiched into the L-arm. Pull fabric down and over with the bolts still on and fasten the bolts again. Close the top and see the effect. Repeat in different positions if necessary. You can change the positioning of the L-arm as described above. That pulls the canvas further up or down.