

JL 2-Door Model

INSTALLATION INSTRUCTIONS

For Squareback

UPDATED 12/21/2022
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myTop[®]
Jeep® life, simplified.

CONTACT US

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



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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.

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 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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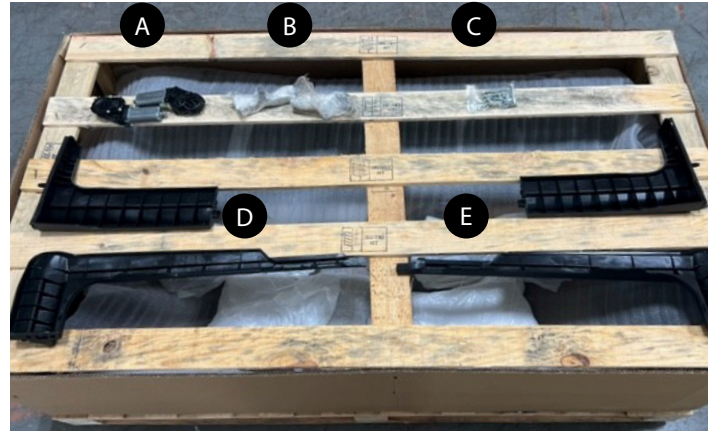
Section 5: Linkage Installation

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Section 1

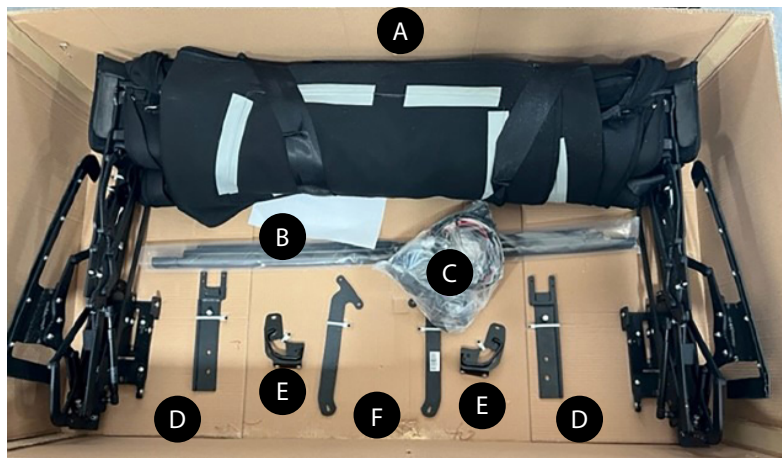
myTop Components



Above images: LEFT Components zipped to inside of crate. RIGHT Components removed and placed on top

- A Motors
- B Latches
- C Bolt kit

- D Driverside upper and lower door frame
- E Passenger side upper and lower door frame
- F Plastic motor covers (not shown)



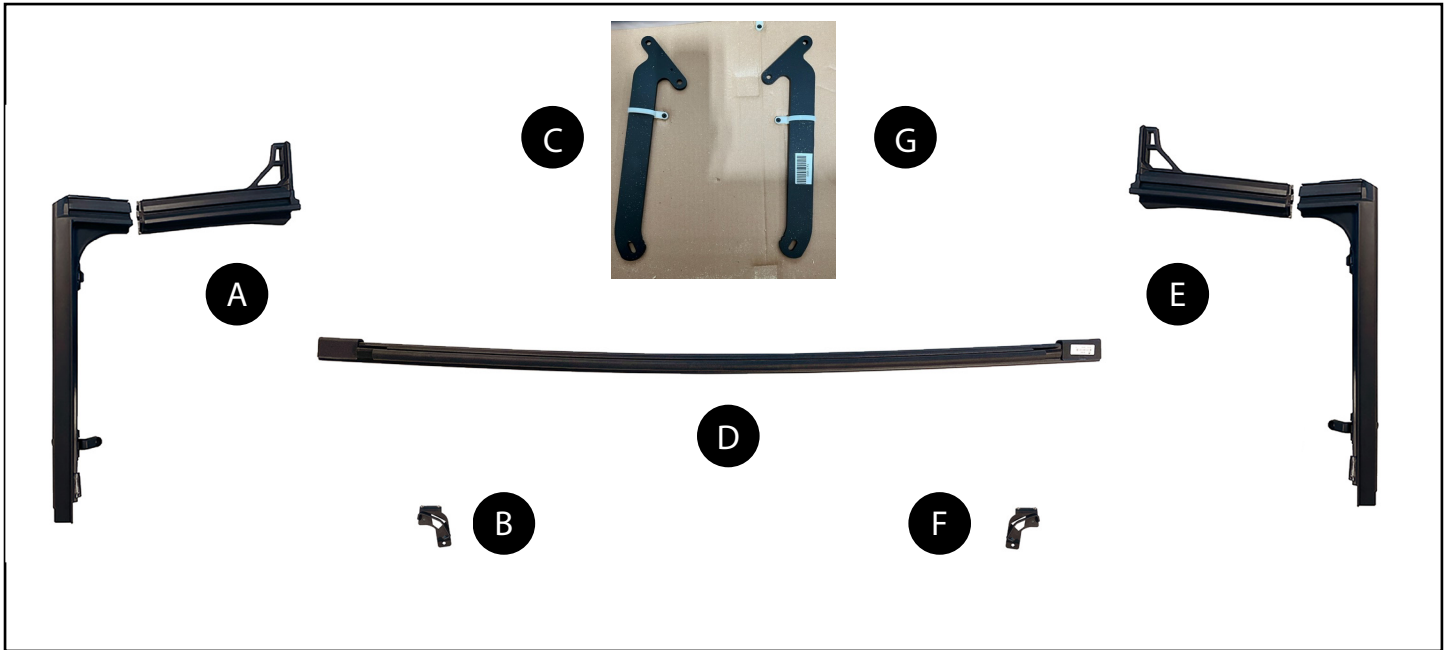
Below image: Additional components inside (with top of crate removed)

- A Linkage / canvas
- B Rear window bar
- C Wiring harness

- D Over body extension
- E Corner brackets
- F Sport bar support bracket

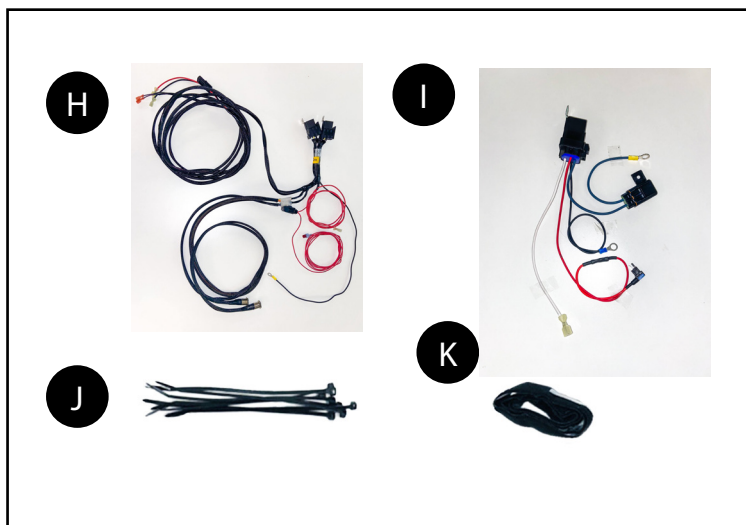
Section 1

myTop Components



- A Door Surround Frames (need to install)
- B Corner Bracket
- C Sport Bar Bracket, (need to install)
- D Tailgate Bracket, (need to install)

- E Door Surround Frames (need to install)
- F Corner Bracket
- G Sport Bar Bracket (need to install)



- H Main Wiring Harness
- I Battery Connector

- J Zip Ties
- K Velcro

Section 1

myTop Components

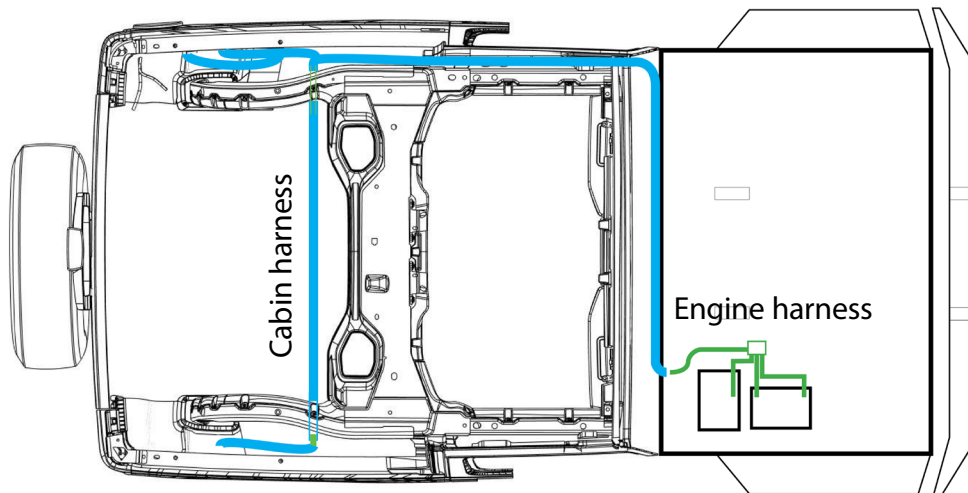
1



- 1 Bolts and washers (black washers are for securing linkage to jeep tub)

REQUIRED TOOLS

- Ratchet
- 6mm hex, 5/32 allen, 10mm socket
- Panel tool / Pry bar (non-metal)



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.

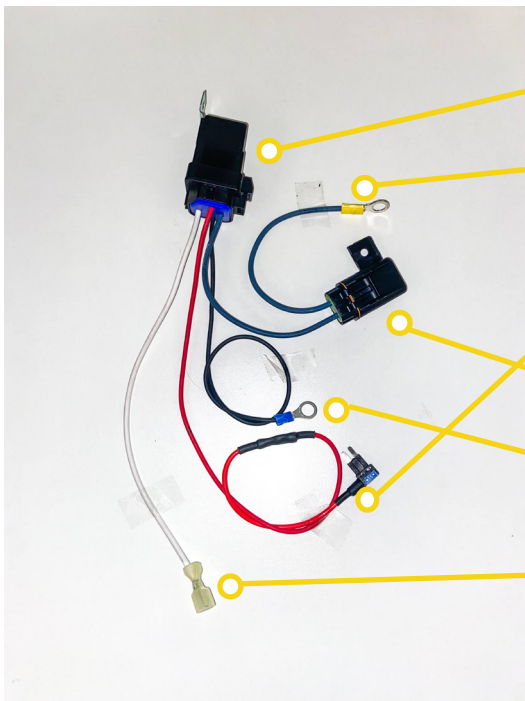


PRIOR TO FOLLOWING ANY OF THE BELOW
INSTALLATION STEPS, DISCONNECT THE BATTERY

REQUIRED TOOLS

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

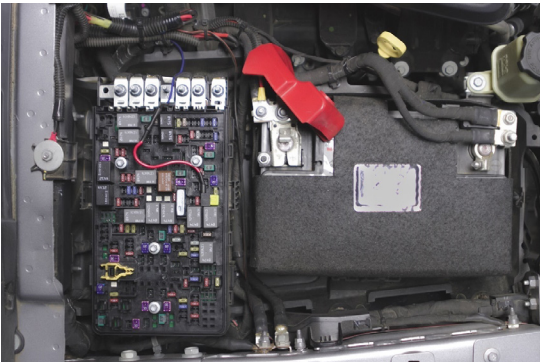
UNDER HOOD WIRING HARNESS



- 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

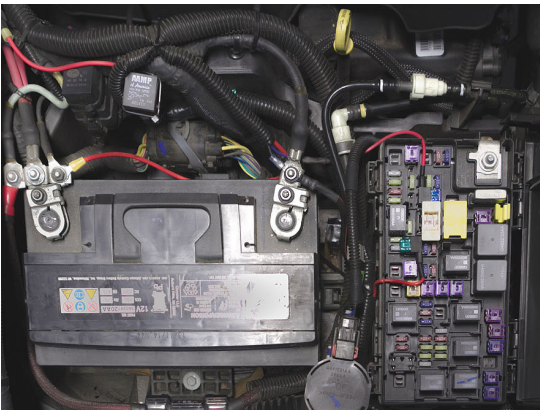
Section 2

myTop Wiring Harness Installation Engine Compartment



STEP 1

- Open hood and disconnect battery
- Open fuse box and find empty slot
- Insert connector as shown
- Leave extra space to avoid pinching fuse cable when closing the fuse box



CAUTION

STEP 2

- Connect 15 Amp Fuse Tap (C) into open receptacle (Cigar LTR) or other open fuse slot inside fuse box
- 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 3

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

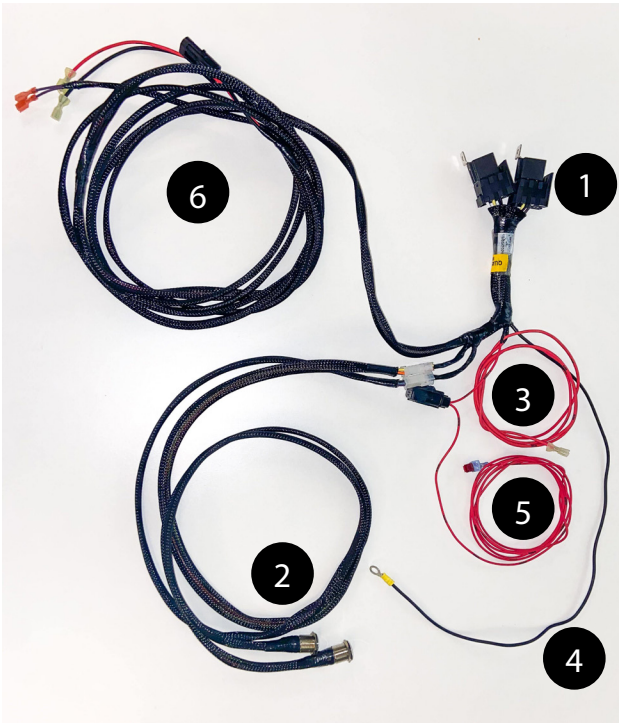
STEP 4

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

Section 2

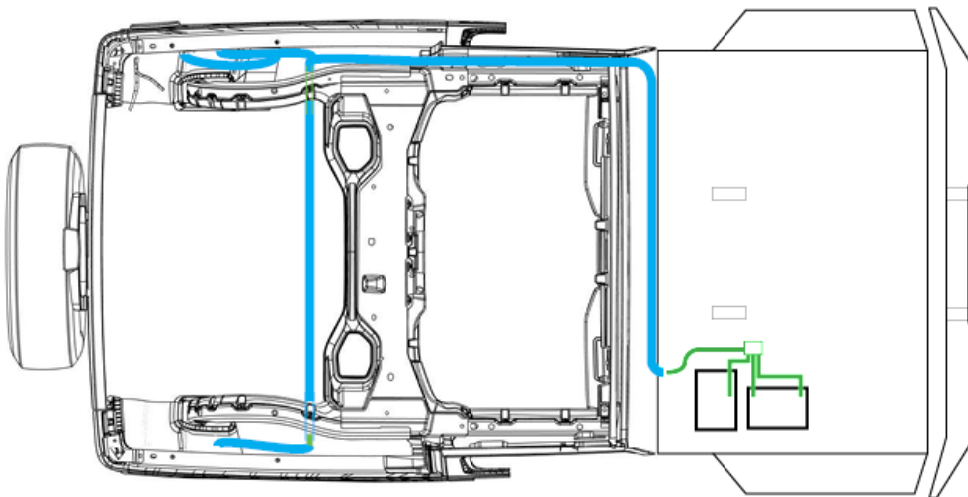
myTop Wiring Harness Installation Cabin Wiring

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 |



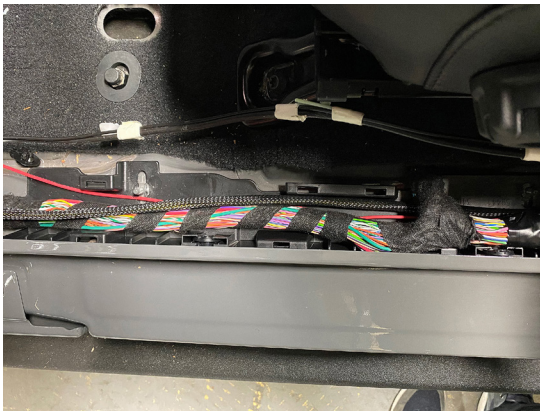
Section 2

myTop Wiring Harness Installation Cabin Wiring



STEP 5

Open rocker panels on driver side at front and rear door



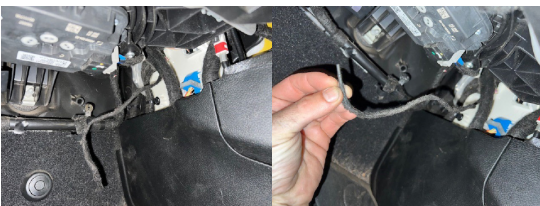
STEP 6

Lay the wiring harness from front to back door



STEP 7

- Identify brake light wire just above the rocker panel of the passenger side. It will be a single wire wrapped in factory black fabric tape and has a plastic/rubberized termination at the end. This wire comes off of the main trunk and is also usually coiled in a loop and electrical taped to the main trunk. We jokingly call this the “shoe lace wire”
- Under the factory tape this wire is green with a white stripe.
- Run the red brake light wire under dash from driver side over to passenger side. While the wire does come with a standard T-connector we **HIGHLY RECOMMEND** using shrink tube and solder for a more reliable connection.



Section 2

myTop Wiring Harness Installation Cabin Wiring



STEP 8

Fasten Interior Ground Wire with Connector (Wire 4) to one of two existing ground studs where the clutch pedal would be located (slightly above the plastic “kick plate”)



STEP 9

- 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.



Section 2

myTop Wiring Harness Installation Cabin Wiring



STEP 10

- Run the red power wire through the firewall on driver side into the engine compartment near break pedal (firewall entry through the clutch space)
- If you have a clutch, enter engine compartment through the rubber plug located near the brake booster.

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



CAUTION

To prevent damage to the button, be sure there is enough space between the button and installation location. Failing to do so will result in failure of top operation, button light or both.

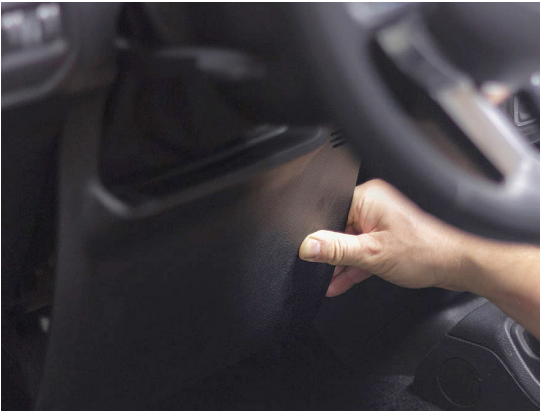


STEP 12

- The recommended switch location for JL Jeep model is in the panel below the steering wheel, low to the right. There are different versions of column structure behind that panel, please open panel and check for most suitable location.
- 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

Section 2

myTop Wiring Harness Installation Cabin Wiring



STEP 13

Carefully remove lower steering column access plate using a plastic fiber stick



STEP 14

- Stick masking tape on the inside of the access plate
- Place switch bezel on top of tape
- From the side of the access plate, measure inboard 1.5" at center line and 4" from the bottom of the plate to the center of the bezel
- Trace out the inside portion of the switch bezel

CAUTION

STEP 15

- 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 drill
- Verify that the hole will accept the switch



STEP 16

- Insert open/close buttons
- Attach the retaining nuts to each switch
- Ensure both switches are properly aligned and tightened
- Be sure to properly plug in button wire connectors to main body harness

Section 2

myTop Wiring Harness Installation Cabin Wiring



⚠ CAUTION

STEP 17

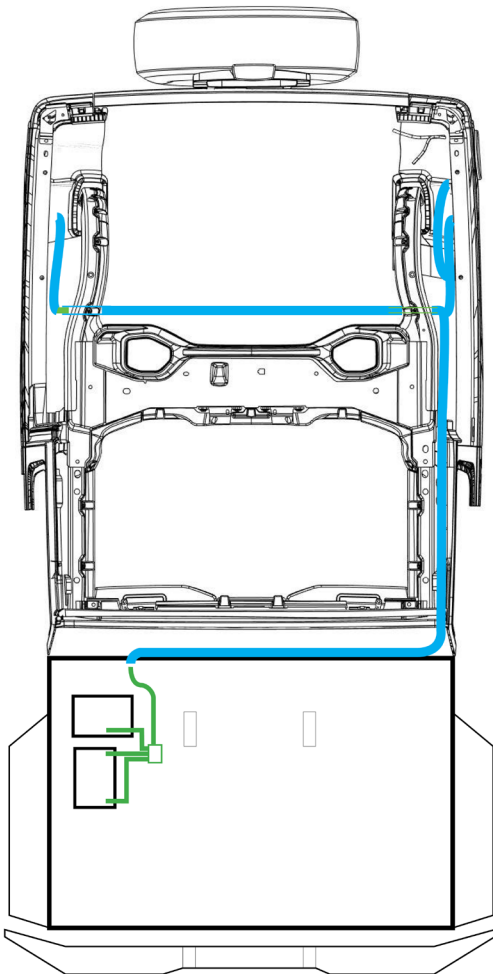
- Route "Top Up" and "Top Down" Switch Wire Connectors up and under dashboard (make sure wires will not interfere with brake pedal)
- Tuck connectors under carpeting
- Reconnect the harness assembly
- Ensure wires are secure with provided zip ties
- Attach (Wire 3) of the Jeep Tub Harness to provide power to the switches
- NOTE: Once powered, switches will have a blue illuminated ring

STEP 18

- Guide wiring harness under rocker panels and carpet to motor mounts on driver side
- Guide longer piece of harness under carpet (either under seats or better under carpet in the tailgate area) over to motor plate on passenger side

STEP 19

- Plug in limit switch, if you do not the top will only operate in the opening direction and will be non responsive in the closing direction.



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
- Velcro is inserted under the lip towards the rear of the vehicle and around the corner (see top 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

⚠ CAUTION

Please make sure to clean area on surface and under lip of tub to prepare surface for Velcro



Section 4

Placing the myTop on the Tub



STEP 20

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 it on the tub of the Jeep
- When lifting the top be sure to lift from under the overbody bar (the base of the top)

CAUTION

STEP 21

- STOP! IF THE LINKAGES ARE NOT PLACED SQUARELY ON THE TUB AND BOLTED DOWN TIGHTLY, A COLLISION WILL OCCUR WHEN OPENING THE TOP, AND MAY RESULT IN DAMAGE.
- When bolting the linkages, begin by installing the bolts only hand-tight.
- Locate the vehicle's sport bar supports. They will be bolted on from the outside of the vehicle into the two factory-provided threaded holes



Section 5

Linkage Installation



STEP 22

- Bolt the upper end of the vehicle support bar to the sport bar.
- Bolt the bottom of the vehicle support bar to the linkage.
- Now, tighten all three of these bolts.
- Repeat for the other side of the vehicle.

STEP 23

- Attach the wiring harness to connectors of BOTH the motors and the limit switch.
- Be sure to unwrap bow straps and rear section of the canvas to prevent damage (see photo)
- Start the engine, press and hold the brake pedal, and press and hold the open switch, and operate the top halfway up
- This will allow you to reach and install additional linkage mounting bolts.



STEP 24

- Align the linkage assembly by lining up the matching oval holes in the linkage/ tub
- Tighten all three of these bolts at this time. (this may require inward or outward pressure on the linkage to keep the ovals lined up
- Repeat for the other side of the vehicle



STEP 25

- Locate the over body bar extension.
- Remove the 3 n nuts and washers on each side of the installed linkage
- Place the over body bar extension on top
- Reinstall washers and bolts.
- DO NOT INSTALL THE FORWARD MOST BOLT AT THIS TIME
- Install a bolt on the second to most forward position
- Install the rear corner brackets (depending on version; bolt directly to tub or use a spacer between bracket and tub)



STEP 26

- Begin by assembling the door frames (two (2) pieces per side)
- Install two (2) bolts through the lower to the upper plastic frame and secure with a nut
- Attach the assembled door frame to the sport bar by first opening the doors and then bolting it into the factory holes of the bracket that comes attached to the door surround
- Install an additional bolt through the base of the door surround that rests on the overbody bar extension and vehicle tub.
- NOTE: Be sure that the rubber gasket in the front rests around the door surround and is not folded under.

Section 7

Canvas Installation



STEP 27

While the top is half open position fold the remove the inner window protective coverings from the side windows.



STEP 28

USING SCISSORS CUT, DO NOT TEAR OUT, THE SEAM CAN BE DAMAGED

Remove the inside window protection. T



STEP 29

Attach the bow straps to the rear corners from the outside to the inside velcroing them to themselves as loose as possible. They can later be tightend up if necessary but velcroing them tight to start with will cause installation problems and is not recomended.

Section 7

Canvas Installation



STEP 30

Install the plastic motor covers on the outside and inside of the vehicle.



STEP 31

Attach canvas sides to the L arms. Note that the L arms can be removed (but do not have to via 3 bolts) and can be adjusted if necessary.

**STEP 32**

Move the top more open (favoring the rear) and begin attaching the canvas to the lower portion of the L arm with the Velcro and then moving upwards bolting the canvas to the L arms. By opening few degrees back to the open position you will gain enough slack to bolt the vertical sections on. Take care to keep the canvas as flat as possible when bolting to the L arm. Be sure to bolt on the elastic tab at the top of the L arm as well.

**STEP 33**

While still in 90 degree position, tie down rear bolts (two on each side) to tailgate by attaching corner of canvas to rear corner bracket

- Push lower part of canvas (with its sewn in Velcro strip underneath) under metal lip of vehicle side body
- First, push by hand and then use soft end of a tool (like the end shaft of a hammer for example) to insert plastic strip all the way under the lip
- Listen for scratchy Velcro noise as it slips in

**STEP 33**

- Close the top (for the first time) Install and hook the latches, do not fully latch at this time.
- Inspect rear tube position for fastback or squareback, make sure the rear tube lands at the seam evenly across the back of the vehicle. If adjustment is necessary, open top to 90 degrees and reset rear tube/ velcor flap across back to reach proper fitment and re check (page 21)



STEP 34

- Rear window is inserted with keder sewn into fabric of rear window into keder slot on tailgate cross bar
- Slide keder into bar, then attach zippers from window to canvas
- Push bar into tailgate brackets to secure

Limit Switches

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

In order for the linkage to go as low as possible and really into an unfavorable (but pretty) kinematic position, we are using 650N Stabilus dampers to lift the top out of the open position.

Latching & Sealing Top

The canvas is very tight on the first install and operation. You will need some force to pull it down. When latched, let it sit for a while to stretch the fabric out (ideally a day, maybe outside in the sun). After, you may find that the latches are too easy to latch and unlatch. If the latches simply fall down with the touch of one finger, then you need to adjust the latch position (up for making the lever stronger) to get a firm latch. This will pull the front header of the canvas further into the windshield seal and 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 forward (or backward if too far up front). Make sure to check the latch position again after any changes.

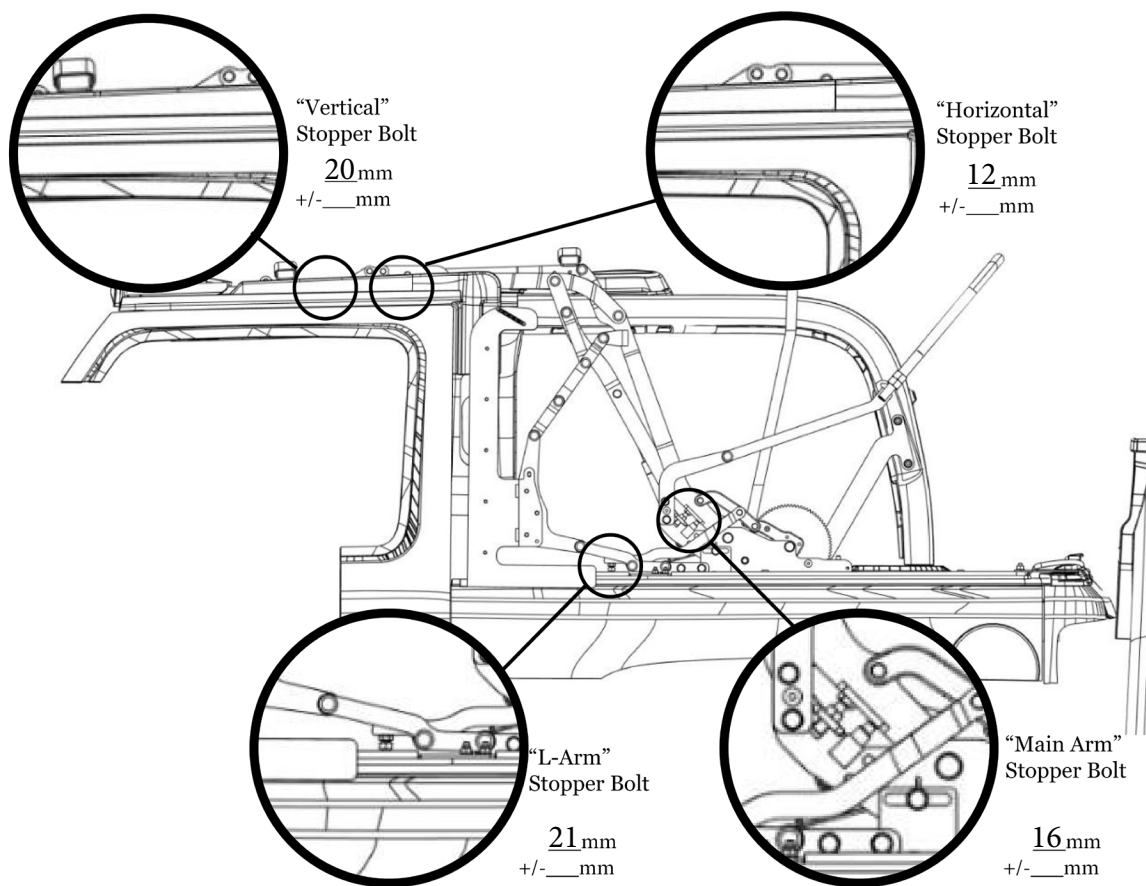
See photos. When latched down, the front seal on top of the windshield should look like this. In contrast to the OE tops, our top only bridges the first seal and channel, touching the second front seal. If you have a gap here or you are crushing the front seal, then the entire top needs to be moved forward or backward. This is best done by adjusting the stopper bolt (see upcoming section on stopper bolts). If that does not correct it, then loosen the main bolts of the main assembly to the over body bar and move the entire assembly. This needs to be done when the top is open. Once you



have the front sealed properly and you had adjusted the main bolts of the main assembly, make sure that the stopper bolt is touching the linkage when closed and latched.

Stop Bolt Measurements

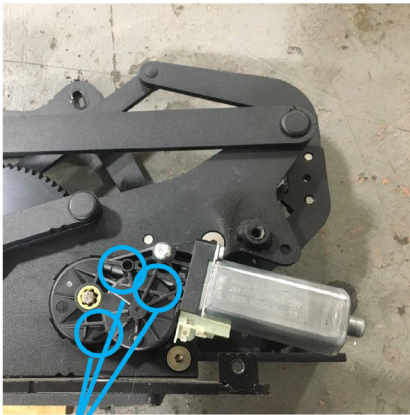
JL 2 Door Stopper bolt distance settings



400 Series Motors

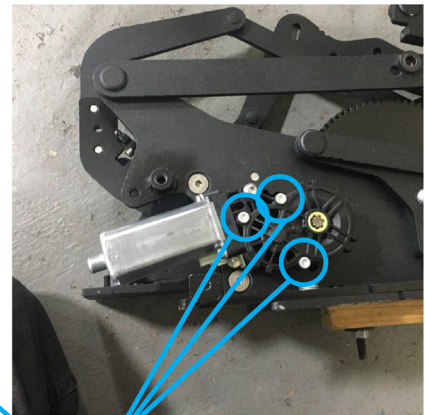
The 400 series is not a mirrored set they are “single sided” and the polarity of the one of the connectors to the motors is reversed from the 300 (paired version) to enable the motors to work together properly

Driver Side



3 bolts not visible
Uses long bolt

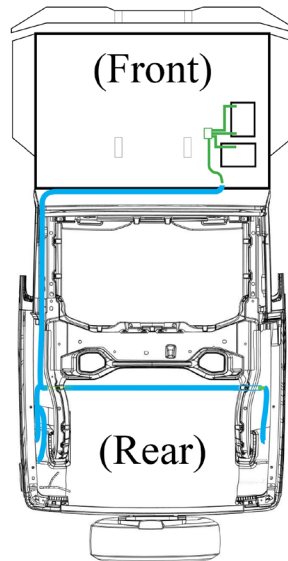
Passenger Side



3 bolts visible
Uses short bolt



Space between motor and linkage
**DO NOT OVER TIGHTEN BOLT!
DAMAGE WILL OCCUR!**



No space between motor and linkage
tighten as normal