




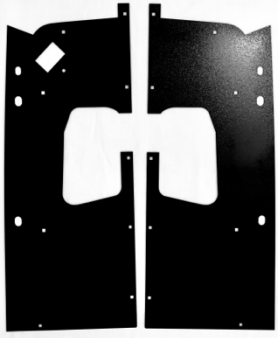
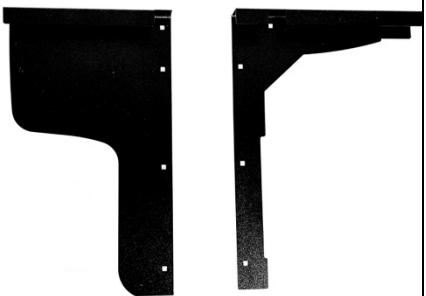

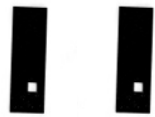






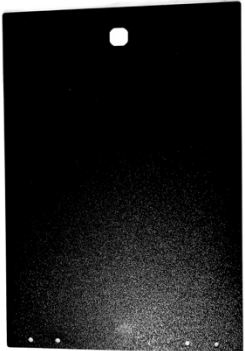






# DIABOLICAL INC

## JLU SLIPSTREAM INSTALLATION GUIDE

### Soft Top with Subwoofer



## PARTS INCLUDED IN YOUR KIT

		
Large Top Panel	Small Top Panel & Tail Skin	Center Wall Panel
		
Wing Skins	Wing Walls	Fork Plates
		
		Filler Bars
		
		Wire Closeout Square
		
Tie Down Rails	Side Frames	Vertical Frames
		
		Giraffe Bracket
		
		
		Door Assembly
		
Rear Wall Brackets	Stickers	Bolts, Nuts & Washers
		
		Quick Release Pins
		
		1/2" Foam Insulation
		
		2" Foam Insulation

## **TOOLS REQUIRED**

- Quick Removal Thumb Screw Bolts
- Permalock or Locktight
- 7/16" Ratcheting Socket Wrench
- 5/16" Ratcheting Socket Wrench
- 3/4" Ratcheting Socket Wrench
- 10mm Ratcheting Socket Wrench
- 7/16" Offset Ratchet Wrench
- Adjustable Wrench
- Extension Bar
- Phillips Screw Driver (#3)
- Scissors
- Utility Knife or Exacto Knife
- Torx Key (included with your JL)
- Masking Tape
- Pencil

## **NOTES BEFORE YOU BEGIN**

- Some parts should be assembled on a table before being installed in the Jeep. This is noted throughout instructions
- Some nuts/bolts will be **hand tightened** at first, to allow for some movement until all parts are in.
- If you do not have a hard top, you will need or order [Quick Removal Thumb Screw Bolts](#) to complete the installation.
- Installation video available at <https://shop.diabolicalinc.com/pages/installation>

## **INSTRUCTIONS**

### **PREPARE JEEP AND WORKSPACE**

1. Spread all parts out in your work area.
2. Fold back seats flat in your Jeep.
3. Remove back and side windows from Jeep.
4. Keep parts in bags together.

## **INSTALL GIRAFFE BRACKET ON DRIVER SIDE**

This will be installed **INSIDE** the Jeep.

### **Gather the Following Parts and Tools:**

- Giraffe Bracket
- Masking or Painter's Tape
- Pencil
- Torx Key (this came with your JL)



### **Follow These Steps:**

1. Place a piece of Masking Tape on either side of Tailgate Latch.
2. Mark Tailgate Latch position using pencil.
3. Loosen Torx Bits on Tailgate Latch using Torx Key that came with your JL.





4. Sit Giraffe Bracket over loosened Torx Bits behind Tailgate Latch, with the Giraffe "head" facing the **inside** of your cargo area.
5. Do **NOT** tighten.



### **INSTALL MULTI-BEND BRACKET ON BACK PASSENGER SIDE**

This will be installed **INSIDE** the Jeep.

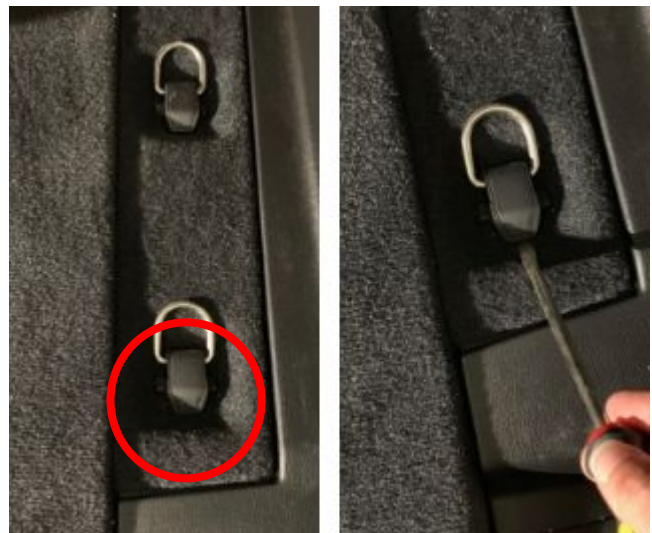
#### **Gather the Following Parts and Tools:**

- Multi-Bend Bracket
- Flathead Screwdriver
- Torx Key (included with your JL)



#### **Follow These Steps:**

1. Place the tip of the Flathead Screwdriver under the rear-most edge of the plastic cover on the D-Ring closet to the back of the Jeep on the passenger side.
2. Gently pop open the plastic cover.



3. Completely remove Torx Bolt on the rear-most D-Ring using the Torx Key that was included with your JL.
4. Lift carpet and position bottom of Multi-Bend Bracket over the bolt hole of the rear-most D-ring.



5. Replace and Tighten bolt on D-Ring.
6. Replace cover on D-Ring bolt.



## **INSTALL REAR WALL BRACKET ON PASSENGER SIDE**

This will be assembled **INSIDE** the Jeep.

### **Gather the Following Parts and Tools:**

- Rear Wall Bracket
- 3/4" Socket Wrench



### **Follow These Steps:**

1. In the floorboard of your Jeep, remove the 3/4" nut located on the outside corner directly behind the back seats on the passenger side.
2. Set nut aside.



3. Place the Passenger Side Rear Wall Bracket over floorboard bolt.

**NOTE:** The bottom of the Rear Wall Bracket should extend toward the rear of the Jeep.

4. Hand tighten floorboard bolt.



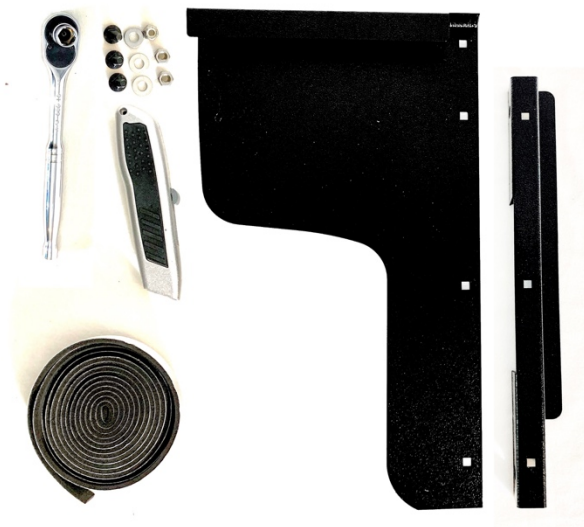


## CREATE DRIVER SIDE WING WALL ASSEMBLY

This will be assembled **OUTSIDE** the Jeep.

### Gather the Following Parts and Tools:

- Wing Wall (Driver Side)
- Vertical Frame
- Rear Wall Bracket (Large if you have the Subwoofer Kit)
- 1/2" Foam Insulation
- 3 Sets of Bolts/Nuts/Washers
- Utility Knife
- 7/16" Socket Wrench



### Follow These Steps:

1. Place the Vertical Frame on top of Wing Wall on a flat surface.
2. Insert Bolts/Nuts/Washers in the **middle two holes** of the Wing Wall, leaving the top and bottom hole exposed.





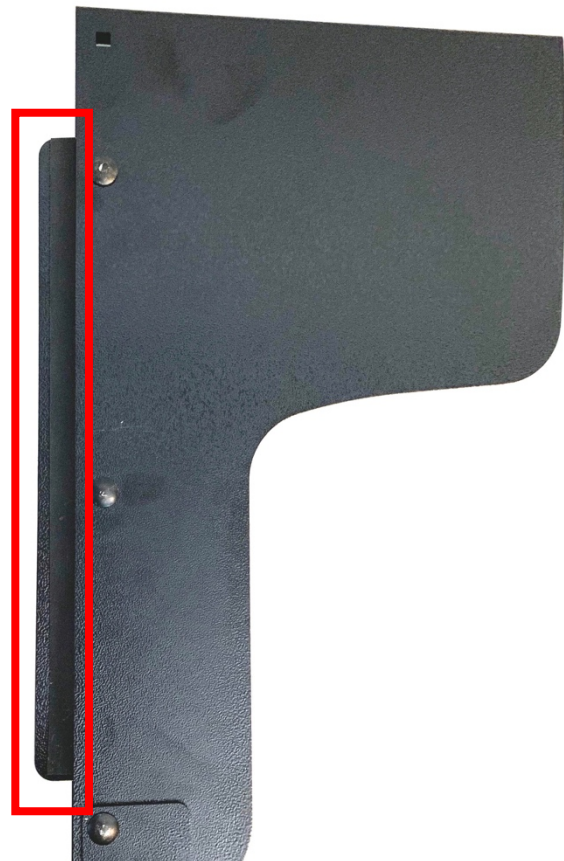
3. Attach the Rear Wall Bracket to the bottom of the Wing Wall Assembly using the lower bolt hole.

**NOTE:** The bottom of the Rear Wall Bracket should extend toward the **rear** of the Jeep.

4. Tighten all bolts on assembly.



5. Cut a piece of 1/2" Foam Insulation to fit the entire length of the **lip** on the Vertical Frame.
6. Adhere 1/2" Foam Insulation piece along the full length of the lip on the Vertical Frame.

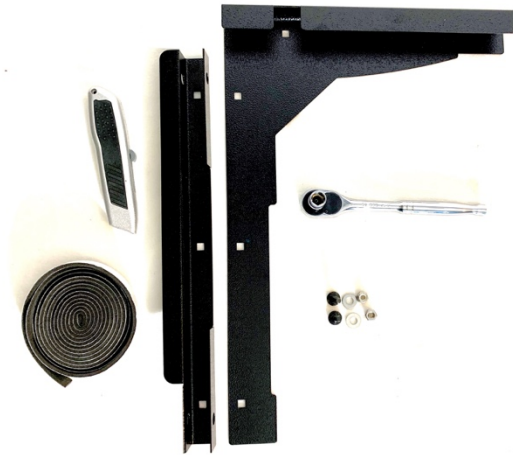


## CREATE PASSENGER SIDE WING WALL ASSEMBLY

This will be assembled **OUTSIDE** the Jeep.

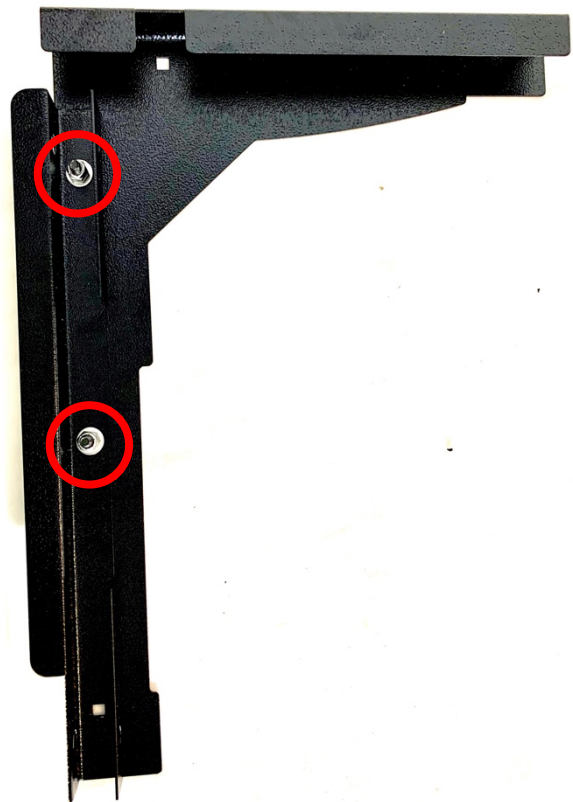
### Gather the Following Parts and Tools:

- Passenger Wing Wall
- Vertical Frame
- 2 Sets of Bolts/Nuts/Washers
- Utility Knife
- 1/2" Insulation
- 7/16" Socket Wrench

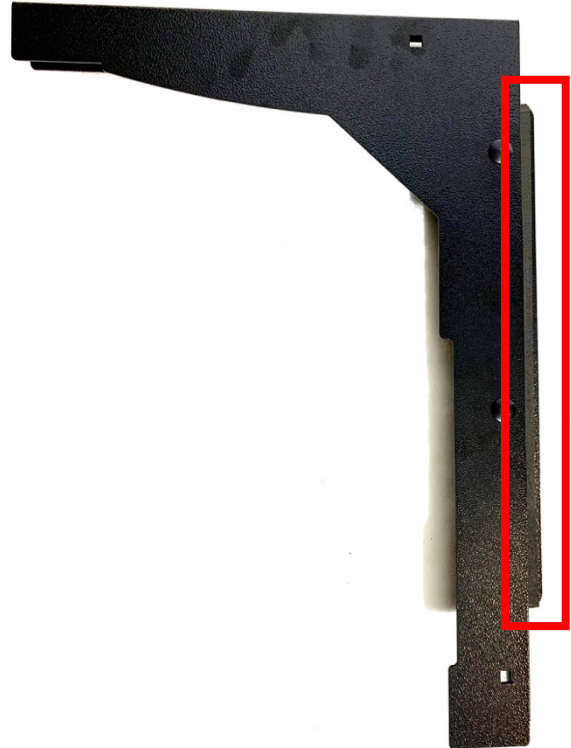


### Follow These Steps:

1. Place the Vertical Frame next to the Wing Wall on a flat surface.
2. Insert Bolts/Nuts/Washers in the **middle two holes** of the Wing Wall, leaving the top and bottom hole exposed.
3. Tighten all bolts.



4. Cut a piece of 1/2" Foam Insulation to fit the entire length of the **lip** on the Vertical Frame.
5. Adhere 1/2" Foam Insulation piece along the full length of the lip on the Vertical Frame.
6. Set Wing Wall Assembly aside.

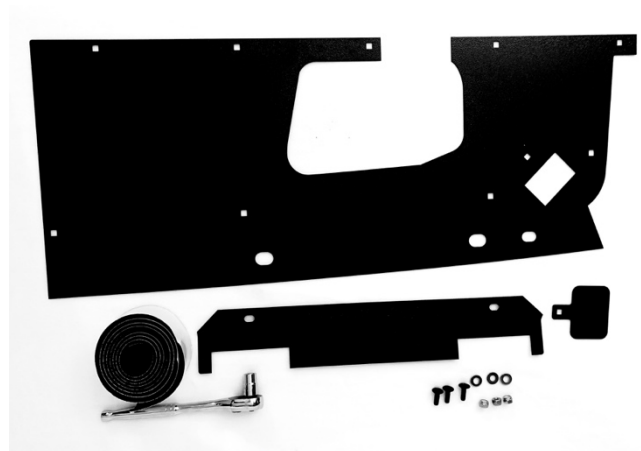


### **CREATE DRIVER SIDE WING SKIN ASSEMBLY**

This will be assembled **OUTSIDE** the Jeep.

#### **Gather the Following Parts and Tools:**

- Driver Side Wing Skin
- Driver Side Fork Plate
- Wire Closeout Square
- 3 Sets of Bolts/Nuts/Washers
- 2" Foam Insulation
- Utility Knife
- 7/16" Socket Wrench

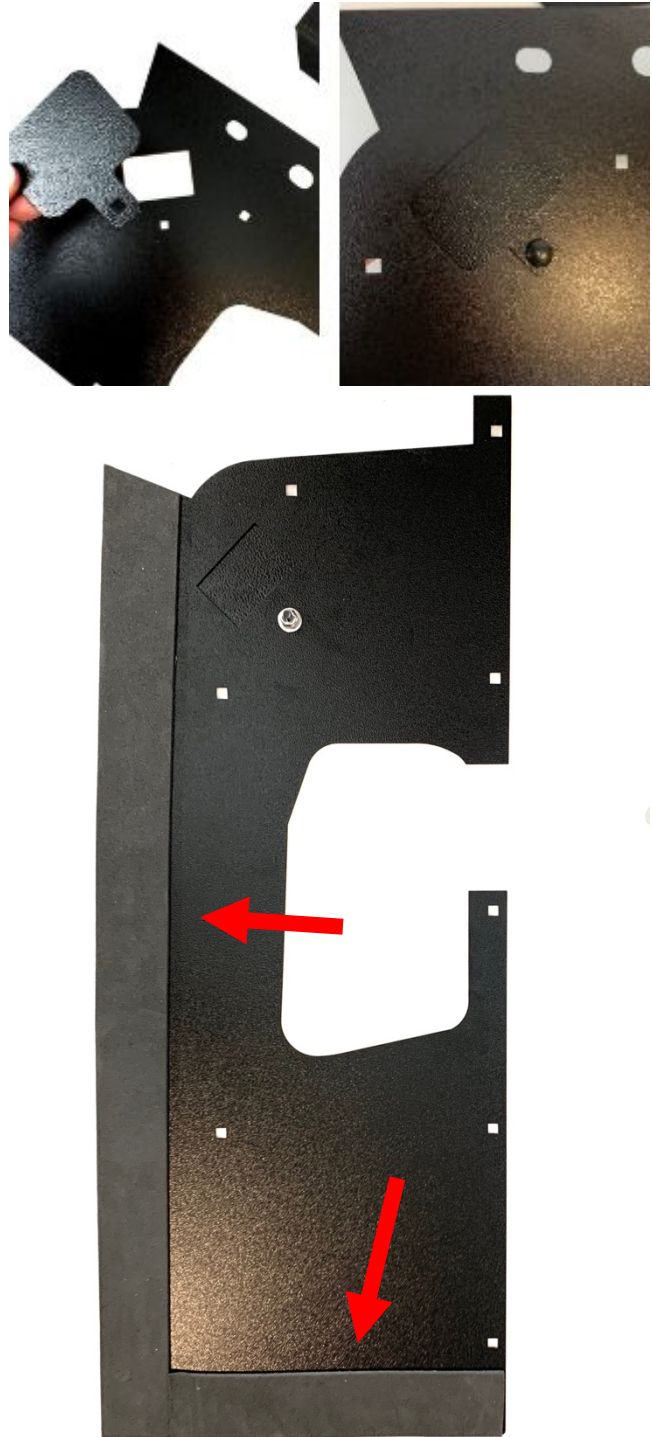


## Follow These Steps:

1. Place Wire Closeout Square over opening in back of Wing Skin.
2. Attach Wire Closeout Square with Bolt/Nut/Washer.

**NOTE:** If you will be running a Hard Top, ensure that this piece swings open/closed with little friction. If only running a soft top, tighten bolt.

3. Cut a piece of 2" Foam Insulation to run the entire length of the underside of the Wing Skin's outer edge.
4. Adhere Foam Insulation to the outer edge on the underside of the Wing Skin.
5. Cut a piece of 2" Foam Insulation to fit the short side on the rear-most end of the Wing Skin.
6. Adhere Foam Insulation to the outer edge on the short side, again underside of the Wing Skin.
7. On a flat surface, flip the Wing Skin over and cut out the bolt holes in the foam.





8. Place the Fork Plate on the underside of the Wing Skin, aligning with the second row of bolt holes from the outer edge.

**NOTE:** The Fork Plate should bend outward from the Wing Skin.

9. Loosely attach the Fork Plate with 2 Bolts/Nuts/Washers, **only tightening nuts enough so they hold.**

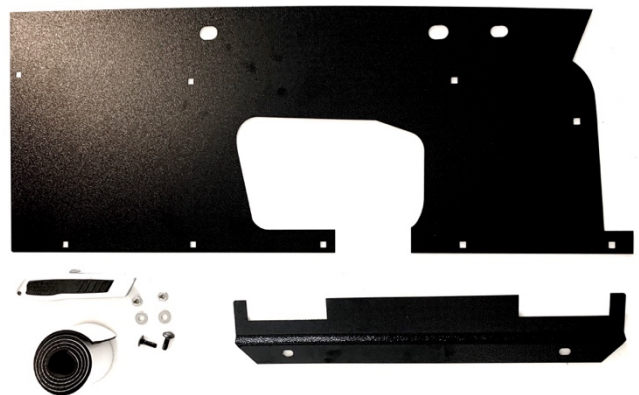


### **CREATE PASSENGER SIDE WING SKIN ASSEMBLY**

This will be assembled **OUTSIDE** the Jeep.

#### **Gather the Following Parts and Tools:**

- Passenger Side Wing Skin
- Passenger Side Fork Plate
- 2 Sets of Bolts/Nuts/Washers
- 2" Foam Insulation
- Utility Knife
- 7/16" Socket Wrench



### Follow These Steps:

1. Cut a piece of 2" Foam Insulation to fit the entire length of the Wing Skin's outer edge.
2. Adhere Foam Insulation to outer edge on the underside of the Wing Skin.
3. Cut a piece of 2" Foam Insulation to fit the short side on the rear-most end of the Wing Skin.
4. Adhere Foam Insulation to the outer edge on the short side, again underside of the Wing Skin.
5. On a flat surface, flip the Wing Skin over and cut out the bolt holes in the foam.



6. Place the Fork Plate on the underside of the Wing Skin, aligning with the second row of bolt holes from the outer edge.

**NOTE:** The Fork Plate should bend outward from the Wing Skin.

7. Loosely attach the Fork Plate with 2 Bolts/Nuts/Washers, only tightening bolts 3/4 of the way.



## **ATTACH PASSENGER SIDE WING SKIN ASSEMBLY TO WING WALL ASSEMBLY**

This will be assembled **INSIDE** the Jeep.

### **Gather the Following Parts and Tools:**

- Wing Skin Assembly
- Wing Wall Assembly
- 2 Sets of Bolts/Nuts/Washers
- 7/16" Socket Wrench
- 7/16" Offset Ratchet Wrench



### **Follow These Steps:**

1. Grab the Wing Skin Assembly.
2. Gently maneuver the Wing Skin Assembly around roll cage, ensuring that you do not hit any part of your Jeep, and rest it at a 45-degree angle momentarily.





3. Grab Wing Wall Assembly and position under Wing Skin, aligning bolt holes with Wing Skin.
4. Secure Wing Wall and Wing Skin assemblies using 1 nut/bolt/washer. Fully tighten.
5. Move seat belt straps around assembly, ensuring that their function is not impeded.

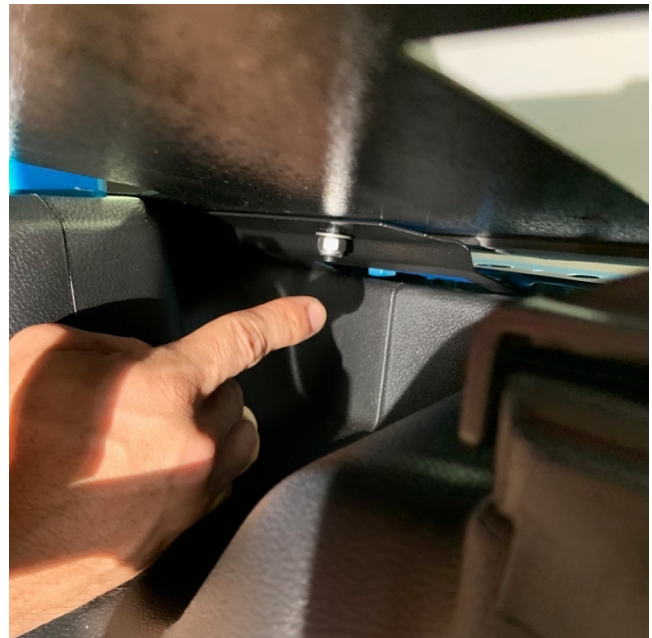
**NOTE:** The assemblies will not be tightened to the Rear Wall Bracket until after the next section.



6. Lift Entire Wing Wall and Skin Assembly at a slight angle and use your hand to position Fork Plate around lip of body tub in your Jeep.

**NOTE:** This is designed to fit snugly. You may need to make small adjustments to bolts before assembly is in place to ensure proper fit.

7. Once Fork Plate is started, gently “walk” Wing Assembly in place until outer bolt hole ovals on the Wing Skin are centered on the bolt holes on your Jeep.
8. If able and needed, tighten Fork Plate nuts with a 7/16" Offset Ratchet.



9. Attach Rear Wall Bracket to the bottom of the Wing Wall Assembly using the lower bolt hole on the Wing Wall. Tighten completely.



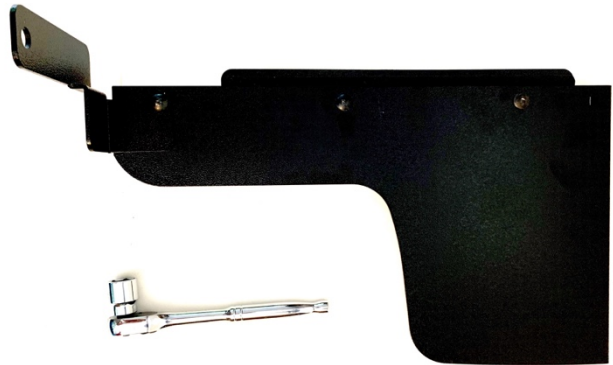


## **INSTALL DRIVER SIDE WING WALL ASSEMBLY**

This will be installed **INSIDE** the Jeep.

### **Gather the Following Parts and Tools:**

- Wing Wall Assembly
- 3/4" Socket Wrench



### **Follow These Steps:**

1. In the floorboard of your Jeep, remove the 3/4" nut located on the outside corner directly behind the back seats on the driver side with a socket wrench.
2. Place Wing Wall Assembly in Jeep, placing bracket over exposed floorboard bolt.
3. **Hand tighten** floorboard nut.

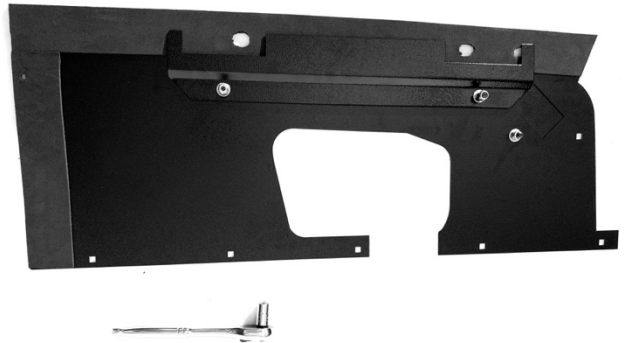


## **INSTALL DRIVER SIDE WING SKIN ASSEMBLY**

This will be assembled **INSIDE** the Jeep.

### **Gather the Following Parts and Tools:**

- Wing Skin Assembly (Driver Side)
- 1 Bolt/Nut/Washer Set
- 7/16" Socket Wrench



### **Follow These Steps:**

1. Gently maneuver the Wing Skin Assembly around roll cage, ensuring that you do not hit any part of your Jeep, and rest it in place.
2. Move seat belt straps around assembly, ensuring that their function is not impeded.
3. Lift Entire Wing Assembly at a slight angle and use your hand to position Fork Plate around lip of body tub in your Jeep. You may need to make small adjustments to bolts before Assembly is in place to ensure proper fit.
4. Tighten bolts on Fork Plate, if Once Fork Plate is started, gently “walk” Wing Assembly in place until outer bolt hole ovals on the Wing Skin are over the hard top bolt holes on your Jeep.
5. Insert bolt through forward most hole in the Wing Skin and into Wing Wall.
6. Tighten nut **completely**.

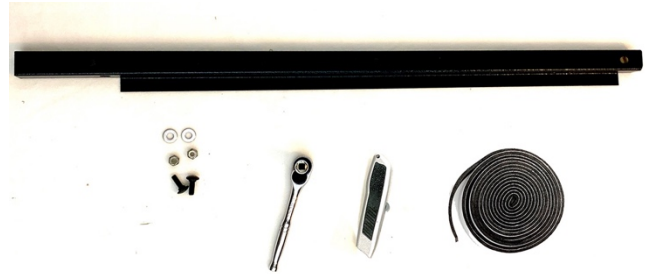


## **INSTALL SIDE FRAME ON DRIVER SIDE**

This will be installed **INSIDE** the Jeep.

### **Gather the Following Parts and Tools:**

- Side Frame
- 1/2" Foam Insulation
- 2 Sets of Bolts/Nuts/Washers
- Wrench
- Utility Knife
- 7/16" Socket Wrench
- Extension Bar



### **Follow These Steps:**

1. Position the Side Frame with the bolt holes facing up and lip facing toward the inside of your cargo area.
2. Set the front of the Side Frame inside the top of the Wing Wall assembly and rest the back on the Giraffe Bracket.





3. Insert bolt through the front of Wing Wall Assembly and through the front of the Side Frame.

**NOTE:** Shaft of bolt should point toward rear of vehicle.

4. Place washer and nut on other side of bolt and hand tighten nut.



5. Lift back of Side Frame off of Giraffe Bracket.

6. Align back side of Side Frame with bolt hole in Giraffe Bracket.

7. Insert bolt through outer side of Giraffe Bracket.

8. **Loosely** hand tighten nut with washer on back inside of Side Frame.



9. Go back to front of the Side Frame and pull Wing Wall and Side Wall Assembly tight.

10. Tighten bolt at **front** of the assembly.

**NOTE:** You may need an extension bar to tighten this bolt.



11. Cut a piece of 1/2" Foam Insulation to run the length of the lip on the Side Frame.

12. Adhere Foam Insulation to the top of the lip on the Side Frame.



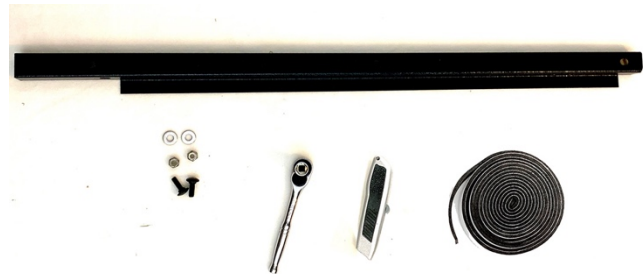


## INSTALL SIDE FRAME ON PASSENGER SIDE

This will be assembled **INSIDE** the Jeep.

### Gather the Following Parts and Tools:

- Side Frame
- 2 Sets of Bolts/Nuts/Washers
- 1/2" Foam Insulation
- 7/16" Socket Wrench
- Extension Bar



### Follow These Steps:

1. Position the Side Frame with the lip facing toward the inside of your cargo area. The big gap in the lip should be facing toward the front of your Jeep.
2. Insert bolt through outer side of Multi-Bend Bracket. This bolt should come through the **third hole from the back** of the Side Frame, in the cutout.
3. **Loosely** hand tighten nut with washer on back inside of Side Frame.



4. Align front of Side Frame with bolt hole in the Wing Wall.

5. Insert bolt through the front of Wing Wall Assembly and through the Side Frame.

**NOTE:** Shaft of bolt should point toward rear of vehicle.

6. Place washer and nut on other side of bolt and tighten fully.

**NOTE:** You may need an extension bar to tighten this bolt.



7. Tighten bolt on Multi-Bend Bracket.



8. Cut a piece of 1/2" Foam Insulation to run the length of the lip on the Side Frame.

9. Adhere Foam Insulation to the top of the lip on the Side Frame.

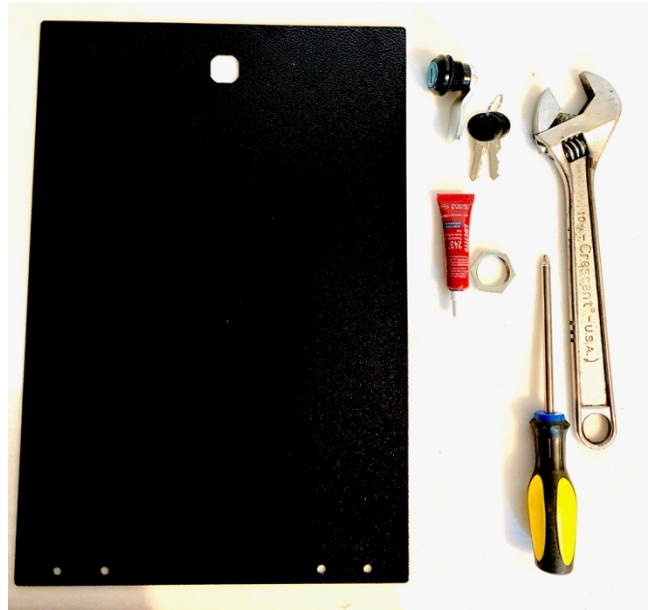


## **INSTALL LOCK INTO ACCESS DOOR**

This will be assembled **Outside** the Jeep.

### **Gather the Following Parts and Tools:**

- Lock Assembly with Keys
- Access Door
- Philips Head Screwdriver
- Permalock or Locktite
- Adjustable Wrench



### **Follow These Steps:**

1. Unscrew Cam Lever (back latch) from Lock Assembly. Set aside.

**NOTE:** Be careful to not lose O-Ring inside of Assembly.





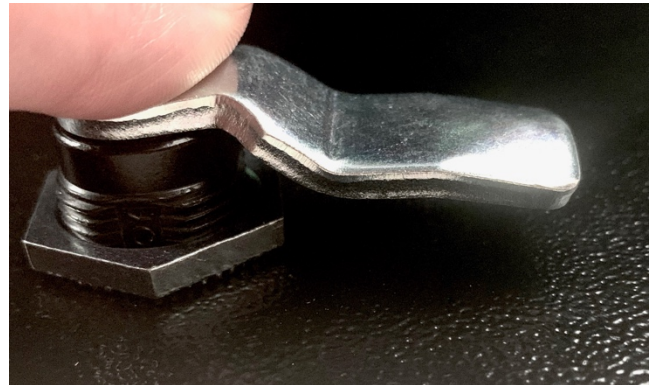
2. Push top part of Lock Assembly through front of Access Door.
3. Place nut on back side of Access Door.
4. Hand tighten nut to secure Lock Assembly in place.



5. Add drop of Permalock or Locktite to inside of assembly (optional).



6. Place Cam Lever where latch is bending **toward** the back of the door.
7. Replace screw and hand tighten lever.



8. Tighten nut on Lock Assembly with a wrench.
9. Test lock to ensure that it turns back and forth easily.



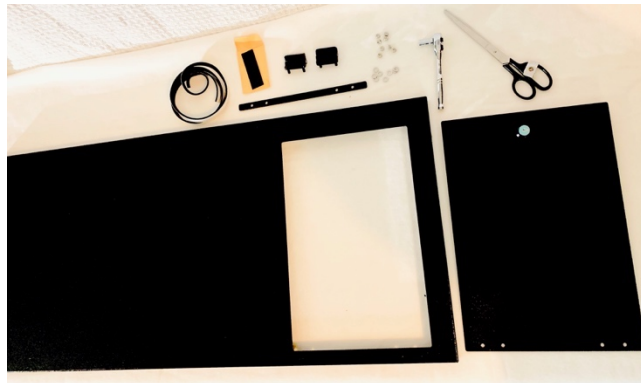


## INSTALL ACCESS DOOR ON CENTER WALL PANEL

This will be assembled **Outside** the Jeep.

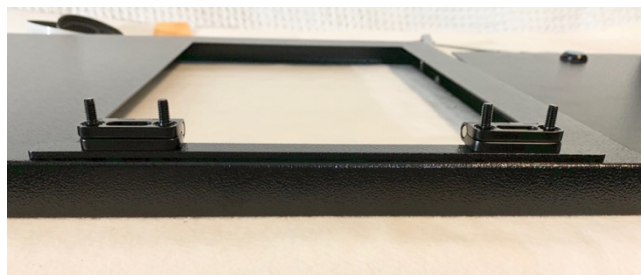
### Gather the Following Parts and Tools:

- Center Wall Panel
- Access Door
- Access Door Spacer Bar
- Magnetic Strip
- Key for Lock Assembly
- 1/2" Foam Insulation
- 2 Hinges
- 8 Sets of 5/16" Nylon Lock Nuts/Washers
- Utility Knife
- 5/16" Wrench
- Adjustable Wrench



### Follow These Steps:

1. Lay Center Wall Panel **face up** on your workspace.
2. Place Access Door Spacer Bar on front of Vertical Wall Panel, aligning the four bolt holes.
3. Fold Hinges in half and insert through holes in Access Panel Spacer Bar.



4. Place Access Door on Center Wall Panel.
5. Flip Hinges into place on Access Door.



6. Hold Access Door and Hinges in place and flip entire Center Wall Assembly over, so it is resting on its face.
7. Add Nylon Lock Nuts and Washers on top of each Hinge bolt, Nylon side up.
8. Tighten all nuts on Hinges, being careful to not over tighten.
9. Flip entire Center Wall Assembly over so it is facing **up** again.



10. Open Access Panel completely.
11. Cut 1/2" Foam Insulation to line **each side and top** of opening on Center Wall Panel.



12. Flip entire Center Wall Assembly over so it is facing **down** again.
13. Apply magnet to Center Wall Panel, centered above the Latch on the Lock Assembly.
14. Test Lock Assembly to ensure that it turns easily.

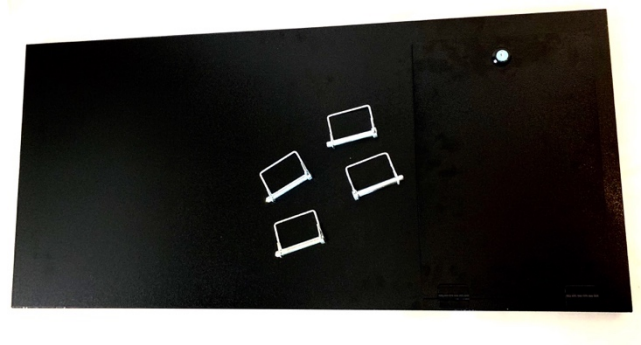


## INSTALL CENTER WALL ASSEMBLY IN JEEP

This will be assembled **INSIDE** the Jeep.

### Gather the Following Parts and Tools:

- Center Wall Assembly
- 4 Quick Release Pins



### Follow These Steps:

1. Lay the Center Wall Assembly on the folded back seats of your Jeep. The Access Panel should be facing down on the drive side.
2. Maneuver the Center Wall Assembly so the Quick Release Pin holes at the bottom of the assembly are aligned with the holes in the Wing Wall Assemblies on both sides.
3. Insert Quick Release Pins. Latches for Pins should face the **outside** of the unit.
4. Lift the Center Wall Assembly into the vertical position and insert Quick Release Pins on either side of the top of the unit. Latches for Pins should face the **outside** of the unit.





## **INSTALL TIE DOWN RAILS ON WING SKINS**

This will be assembled **INSIDE** the Jeep.

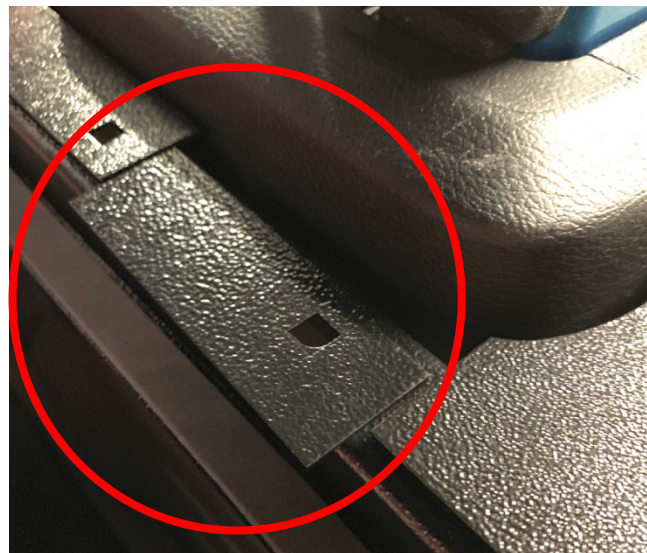
### **Gather the Following Parts and Tools:**

- 2 Short Tie Down Rails
- 2 Filler Bars
- 5 Sets of Bolts/Nuts/Washers
- 7/16" Socket Wrench



### **Follow These Steps:**

1. Start on either side.
2. Place Filler Bar on the inside of the Wing Wall directly next to your Jeep's roll bar.
3. Ensure that the Filler Bar bolt hole is aligned on Wing Skin.

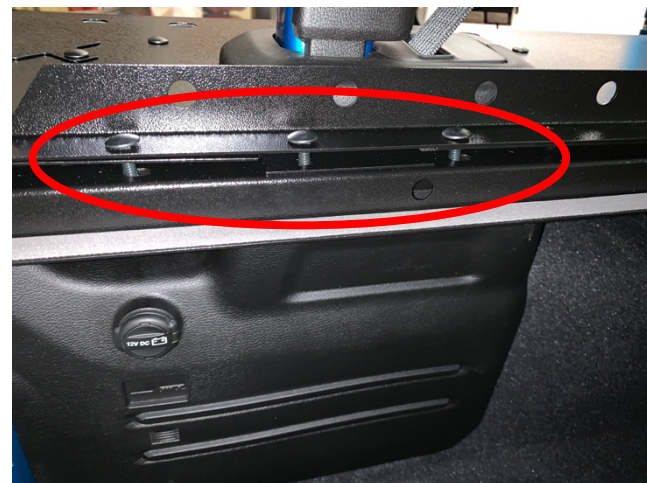


4. Sit Tie Down Rail on top of Wing Skin (with Filler Plate sitting in place) with the vertical side of rail closest to your Jeep's roll bar.

**NOTE:** With the soft top, there will be one bolt hole not covered by the Tie Down Rail. This is normal.

5. Drop 5 bolts into holes on Tie Down Rails.

**NOTE:** You may need to push the unit to align the holes. This is normal.





6. Grab 5 nuts and washers.
7. Loosely hand tighten nuts.
8. **Repeat entire process on other side.**

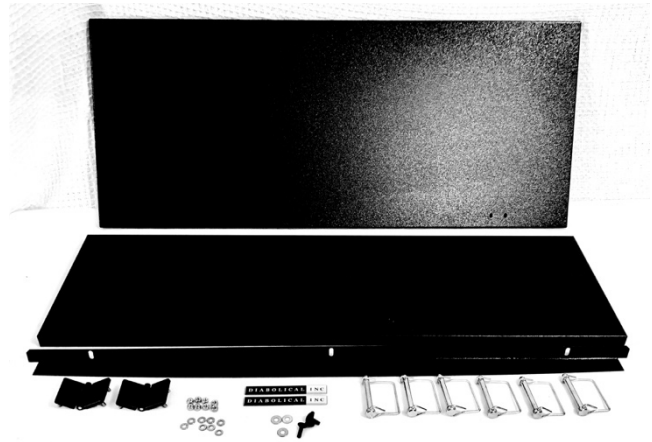


### **INSTALL FOLDING TOP ASSEMBLY**

This will be assembled **INSIDE** the Jeep.

#### **Gather the Following Parts and Tools:**

- Large Top Panel
- Small Top Panel
- 6 Quick Release Pins
- 2 Hinges
- 8 Sets of 10mm Nuts/Washers
- 3 Sets of Bolts/Washers/Nuts
- 2 Diabolical, Inc. Stickers
- Tail Skin
- 7/16" Socket Wrench
- Quick Release Thumb Screw Bolts or Hard Top Bolts (optional)
  - 4 Black Washers (optional - found in Lock Assembly bag)



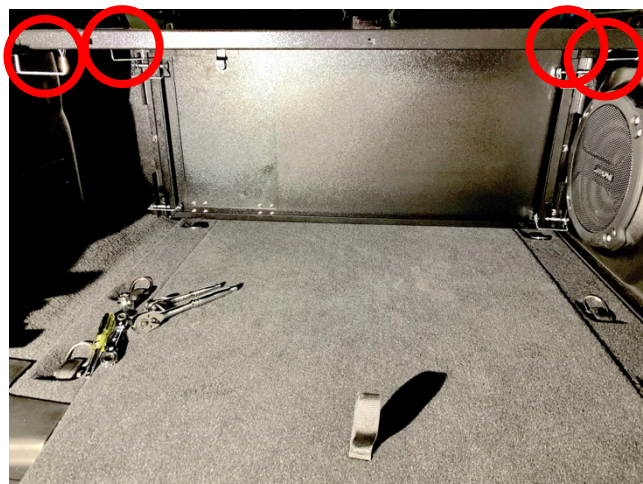
## Follow These Steps:

1. Set the forward panel top of the unit.

**NOTE:** You can choose whether you want the Large or Small panel in front. The recommended way is to have the Small panel at the back of the unit, as that will allow the entire top to sit vertically when the back seats are in the upright position.

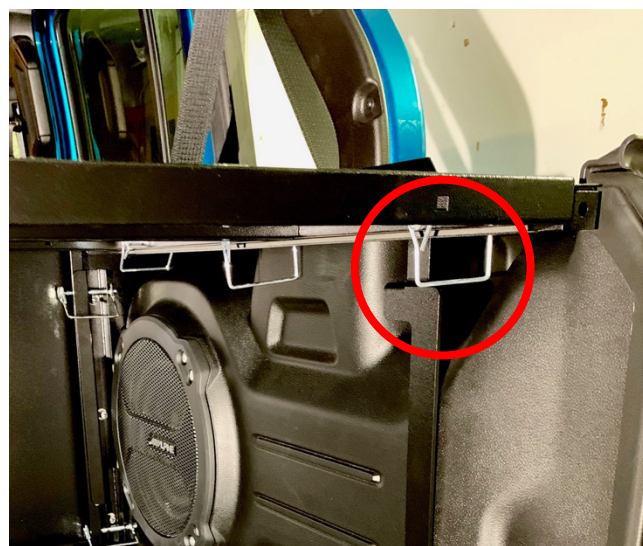
2. Insert Quick Release Pins in the two forward (closest to the back seats) and two middle holes on the underside of the panel. You will use 4 total Quick Release Pins in this step.

**NOTE:** The middle pins (which will be the rear-most pins at this point) will have a tight fit. This is normal.

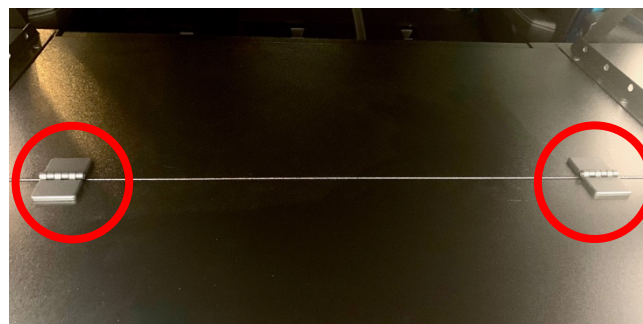


2. Set rear-most top panel in place.
3. Insert both rear-most Quick Release Pins on either side of the panel closest to the back of the Jeep.

**NOTE:** You should now have all six Quick Release Pins in place—three on each side of the top panels.



4. Place Hinges in holes on both ends of the top panels.

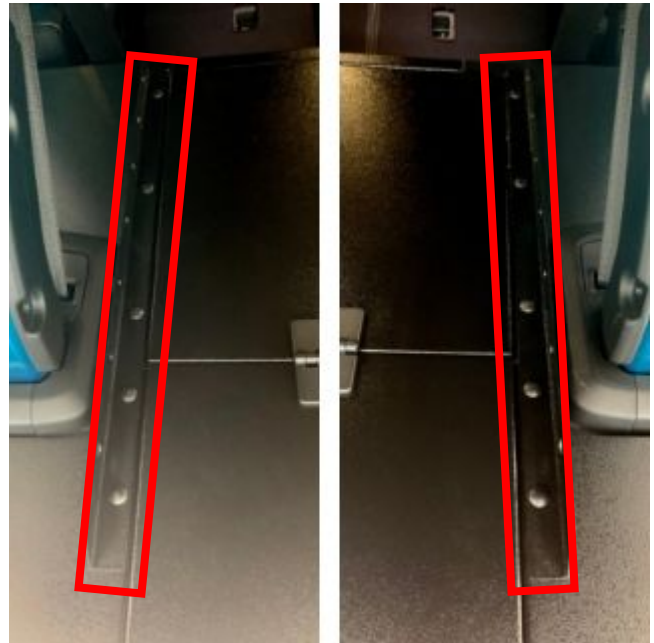


5. Add nuts/washers to underside of Hinges and tighten

**NOTE:** Be careful to not over tighten, as you could break off the posts on the hinges.



6. Test Center Wall position to ensure proper fit.
7. Tighten all 5 bolts on each Tie Down Rail.





8. Install Quick Removal Thumb Screw Bolts (or Hard Top Bolts), with one black washer, into bolt holes on outside of each Wing Skin (optional).



9. Place Tail Skin against edge of Top Panel.

10. Insert a bolt in each of the three holes in the Tail Skin. Bolt shaft should be facing **inside** the cargo area.

11. Raise Tail Skin until the top edge is flush with the top edge of the panel.



12. Add Nut/Washer sets and tighten **completely**.

13. Place one Diabolical, Inc. Sticker on each side of the rear-most Top Panel on the corners closest to the back of the Jeep (optional).

**NOTE:** These raised stickers will lessen the metal-on-metal rub when the panel is flipped open at the Hinge.





## **FINAL TIGHTENING AND ALIGNMENT**

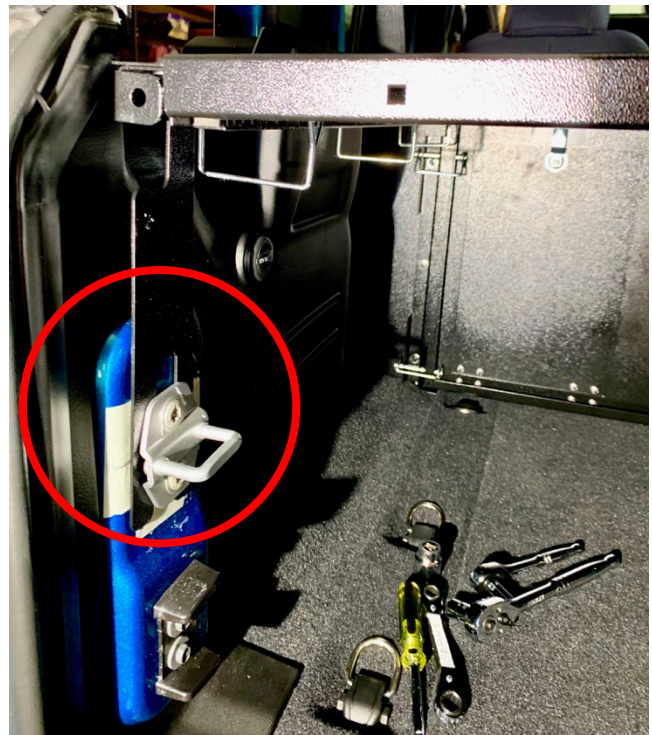
This will be completed **INSIDE** the Jeep.

### **Gather the Following Tools:**

- Torx Key (included with your JL)
- 3/4" Socket Wrench

### **Follow These Steps:**

1. Raise Giraffe Bracket until Top Panels are level and flush with the top of the rest of your unit.
2. Tighten tailgate latch using a Torx Key, ensuring that it aligns with your original placement marks.
3. **Gently** close tailgate to ensure proper alignment and fitment.
4. Adjust latch as necessary.
5. Remove masking tape from inside of tailgate.
6. Tighten bolt at the top of the Giraffe Bracket where it connects to the Side Rail.
7. Fully tighten the floorboard nuts behind the Wing Walls on each side.



## **WARNINGS**

Failure to install all hardware and quick release pins as described in this instruction may cause damage to the vehicle and/or personal injury. Avoid injuries and damage by installing all parts supplied in this kit. Failure to do is the responsibility of the owner/installer and not the fault of Diabolical Inc.

Monitor the weight that is added to the top of the Slipstream. Loads differ and may require additional strapping or methods of securing to the vehicle. Owner assumes all responsibility for loading on top of the removable top and any other areas of the Slipstream system.

Make sure the hardtop bolt holes align. The assembly may require “opening” or adjustment to attain a proper fit. Soft top fitment also utilizes the hardtop bolt locations through the wing skins to the Jeep body for proper fitment, damage prevention, and security with the Slipstream system.

As with most modifications to the cargo area, such as the JL Slipstream, the soft top will not be able to rest in the wells on the sides of your Jeep when it is opened. Because of this, the soft top **will not lock** into place. We recommend using straps, or the Diabolical Inc. [Soft Top Cover](#) to cinch down the soft top when it is opened, then using bungee cords through the Tie Down Rails to secure your top in place. Owner assumes all responsibility for properly securing an open soft top when using the Slipstream system.

## **FINAL THOUGHTS**

Thank you for your purchase of the Diabolical Inc. Slipstream Secure Storage System. Please send us pictures once installed and when in use for our website, so others can see it in use. We appreciate any social media promotion you might make and please follow us on Facebook, Instagram (@diabolicalinc), and other outlets.

We value your support and look forward to extending our new products to you as we complete the engineering development and get them through production.

Alan

Owner: Diabolical Inc.