



INSTALLATION INSTRUCTIONS

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GEN 3 Trail Doors

Part Numbers JK-6139 & JK-6140

Inspect doors prior to installation. Contact Body Armor directly if missing any items 951-808-0750

Qty	Components:	Tools required:
1	Upper Driver Side Pin Hinge:	
1	Lower Driver Side Pin Hinge:	13MM Deep socket
1	Upper Pass Side Pin Hinge:	13MM box wrench
1	Lower Pass Side Pin Hinge:	T-50 Torx bit
1	Latch Plates: Black Bag	
1	Door Latches: Pair	
1	Door Tube Plugs: Pink Bag	
1	Black Webbing: Driver and Pass	
2	Limit Straps	
1	Hardware Bag (Contents Below)	
20	8MM-25MM Hex Head Bolt	
48	8MM Flat Washers (extras included)	
20	8MM Lock Washer	
24	8MM Hex Nuts (extras included)	



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Door Assembly Instructions:

**** We recommend that you roll down your windows prior to removing the factory doors****

Step 1 ATTACH PINS TO DOOR FRAMES: Locate the bag of door pin hinges in the box. (The bags are clearly labeled and hinges are specific to each door.) **Note:** The door pins attach on the outside of the door frames. Lay one of the door frames on a table or flat work surface. Have the larger end to your left and the curve at the top. This will become the driver side door. The pins mount on the surface facing you. The upper pin (flat across the top of the pin bracket, will reach across to the vehicle hinge) The bottom pin (with angled pin bracket, reaches down to the vehicle hinge) (see image below). Attach the pins by using: 3 hex head bolts, 6 flat washers, 3 lock washers and 3 hex nuts. The pattern is: flat washer against bolt head, through hinge pin bracket through door frame. Attach hex nuts to the bolt with lock washer on the inside of the door. Repeat this process on each hinge pin. Finger tighten at this time. Passenger side door lays out with the front (larger end) to your right. Attach pins as described above. **Note:** Install the door limit strap to the lower hinge on the **INSIDE** of the door using the rear center bolt of the three bolts. You can change the length by rotating the strap at the bolt end so that it folds over the bolt. Leave all hardware finger tight at this time.

(See Illustration below for proper fit.)

Step 2 ATTACH LATCH PLATE: Locate door latch plates. The driver side latch will have the "C" notch at the bottom with the 90-degree bend of the bracket facing towards the rear of the door frame. Attach the latch bracket by using 2 hex head bolts, 8 flat washers and two lock washers and the hex nut. The order: flat washer against bolt head, through door plate through the latch plate, through flat washer, lock washer and nut

Note: Leave all hardware finger tight at this time.



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Step 3 ATTACH LATCH TO LATCH PLATE: Install the latch to the back-side edge of the latch plate, match the contoured edge in the plate with the latch. The latch release will be at the top with the arm pulling forward. Attach the latch to the latch plate using 2 hex head bolts and 2 hex nuts. Note: Place bolts in the top hole and bottom holes through the latch plate and latch. The center hole is not used.

Step 4 Finally, Press in the provided door tube plugs completing the door assembly.

Installation of the Trail Doors :

Step 5 Start on the front driver door by removing the (2) OE door hinge nuts with a T-50 TORX bit.
NOTE: Save nuts for re-use on Trail Doors.

Step 6 Before unplugging the door harness we recommend that you roll down the window on your factory door. Open the door and locate wiring harness along with limiting strap. Follow the door limit strap to each plug. The front plugs are located up in the front quarter panels. The rear plugs are mounted behind "B" pillar access panel. Remove the rear access panels by pulling away to access the plug. Unlock the factory plug by sliding the colored lock down. (New models do not have the red locking slide) Then squeeze the release arm of the plug to release the secondary lock. Try not to pull too hard to separate as you may damage the wiring. Repeat this process on all doors.

Step 7 Unhook the limiting strap and tucking the strap and wire harness into the door mesh pocket and remove door. Carefully lift the door out of the hinges. Stand the doors vertically against a wall, or secure them by hanging them on the wall. (**CAUTION:** The doors are a heavy.)

Step 8 Attach the assembled Trail Door to the vehicle by sliding the hinge pins through the hinges.
NOTE: Make sure the pin bottom is flush with the top of the OE hinge on each hinge. This is critical. This may require tapping the pin down into the OE hinge. **DO NOT DRAW DOWN THE PIN DOWN BY TIGHTENING FACTORY NUT. THIS WILL LEAD TO THE THREADED PART OF THE PIN SHEARING OFF.**
There is no need to over tighten the factory nuts, so please do not over tighten.



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Step 9 With the doors installed on the vehicle it is time to adjust the doors. Open the latch by pushing the latch release lever forward. Now align the latch to the vehicle striker. This is the loop on the vehicle. Close the door making sure you hear two clicks on the latch. When satisfied with the operation of the door and door latch releases smoothly you can start to tighten the hardware. The latch must fully close to be correct installation. If it does not more adjustments will be needed.

Installation of Webbing

Step 10 Before installing make sure the Body Armor Logo faces outward and towards the front of the door frame. See illustration below for proper fit.

Step 11 Start by placing other webbing on the OUTSIDE of the door frame wrapping the padded sections around the frame tubes. Then press the two sections of Velcro together. **Note:** Make sure you do this on both top and bottom Velcro sections.

Step 12 To finish locate Velcro loops on each side of the webbing, wrap around the speed hole and press Velcro end together firmly. **** To prevent fading of the webbing we highly recommend spraying the webbing with Scotch Guard or similar silicone spray products. **Repeat the previous steps on the remaining doors.**