



GEN 3 TRAIL DOORS INSTALLATION INSTRUCTIONS

PART NUMBERS: JK-6139 / JK-6140 / TJ-6139 / JL-6149 / JL-6150

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 pictures for proper fit.)



TJ



JK, JL, JT

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.

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.

| QTY | COMPONENTS |
|-----|--------------------------------|
| 1 | UPPER DRIVER SIDE PIN HINGE: |
| 1 | LOWER DRIVER SIDE PIN HINGE: |
| 1 | UPPER PASS SIDE PIN HINGE: |
| 1 | LOWER PASS SIDE PIN HINGE: |
| 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 |
| 20 | 8MM LOCK WASHER |
| 24 | 8MM HEX NUTS |
| 2 | RUBBER DOOR STOPS: |
| 2 | SHIMPACKS W/ HARDWARE: |

| TOOLS REQUIRED: |
|------------------|
| 13MM DEEP SOCKET |
| 13MM BOX WRENCH |
| T-50 TORX BIT |



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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 and unplug the factory plug. 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 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 THE FACTORY NUT. THIS WILL LEAD TO THE PIN SHEARING OFF.**



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 tighten the hardware. The latch must fully close to be correct installation. If it does not more adjustments will be needed.

Step 10

Install door stops on frame using included shim pack and hardware. Adjust shim stack size until doors are firm and do not rattle.





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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. Trim off any excess Velcro remaining **Repeat the previous steps on the remaining doors.



LIMITED LIFETIME WARRANTY

BODY ARMOR LIMITED LIFETIME WARRANTY

Body Armor 4x4 (BA) warrants to the original purchaser that these products will be free from defects in material and workmanship prior to shipping and/or installation for the life of the product. This non-transferable limited lifetime warranty does not cover damage or impairment in any part due to misuse, improper installation, accident or contact with on-road or off-road hazards, product modification, improper or inadequate cleaning and/or maintenance. All other warranties and representations express or implied are hereby disclaimed, including fitness for merchantability and buyer's intended use or purpose.

BA products are built and sold for highway and off-road use. The original purchaser assumes all risks as to the selection, suitability and performance of all goods and products purchased. BA's sole and exclusive obligation under this warranty shall be to repair or replace the item(s) and their discretion and BA will not issue any credit or refund to the consumer. Proof of purchase is required on all warranty claims. BA may require pictures to diagnose the warranty claim and may require the product(s) be returned if determined by BA to be necessary. If a return is required then a RGA number will be issued by BA. Any item arriving to BA without a valid RGA number will be refused and sent back. Upon evaluating the RGA and no valid warranty claim is made, the RGA will be returned to the consumer at their expense or disposed by BA after 60 days. BA will not be responsible for incidental charges such as removal, installation, shipping costs or lost during transit. Any items that are ordered in error, refused or cancelled are not considered a valid warranty claim and cannot be returned to BA.

Warranty Process:

- Contact an authorized BA dealer to initiate warranty process. Authorized dealers must contact BA to assist in evaluating the warranty claims. Valid warranties will have a RGA issued. Once issued the dealer will request the product be returned to BA facilities.
- Products purchased through an authorized BA dealer will be refunded and/or credited by that BA dealer.
- Warranty contact: orders@bodyarmor4x4.com
- Return address: Body Armor 4x4, 1050 N. Vineyard Ave. Ontario CA, 91764, P: 951-808-0750

FINISH WARRANTY

The finish is warranted to be free of defects for a period of 3 years from date of purchase. Product(s) that have been abused, altered, incorrectly installed or used in competition are void of said warranty. Surface rust, pitting or discoloration is a direct result of improper maintenance is not covered by this warranty. It is the responsibility of the owner to preserve and maintain the finish of their product(s). In areas where high concentrations of road salts and other corrosive agents are used, rust or damage to the finish may occur if BA product(s) are not properly maintained. Lack of proper maintenance in these areas may void the finish warranty. See below for routine maintenance tips and recommendations.

PRODUCT CARE AND MAINTENANCE

- Textured coat finished should be cleaned ONLY with a mild soap on a damp sponge.
- BA recommends wiping down the product with a light coat of lubricate (i.e. WD40) periodically to maintain its luster.
- DO NOT apply polish or wax that requires buffing for removal as this may damage the finish.
- DO NOT coat the product with any type of shine such as Tire Shine or glossy aerosol or gel. This can cause discoloration, staining or bubbling.

