



**Installation instructions for GEN 3 Trail Doors PN: JK-6139, JK-6140 & TJ-6137**

**Components:**

**Tools required:**

Hardware bag: clear bag
Upper driver side pin: Red bag
Lower driver side pin: Green bag
Upper pass side pin: Blue bag
Lower pass side pin: Yellow bag
Latch plates: Black bag
Door latches: Pair
Door tube plugs: Pink bag
Black webbing: Driver and Pass

13MM Deep socket
13MM box wrench
T-50 & T-45 Torx bit

**INSTALLATION NOTES:**

If the set of doors have the new style latch (Eberhard stamped) you will need to use only 2 bolts per latch one in the top hole and one in the bottom. Use nut only, no washers.  
When installing the pins in the door hinges:  
Pre-lube the pins with a lubricant like WD-40. Make sure the door pins are fully inserted in the factory hinge prior to tightening them. Over tightening may snap the threaded portion of the pin. TIGHTEN THE FACTORY PIN NUT TO SNUG, DO NOT OVER TIGHTEN  
BE CAREFULL NOT TO CROSS THREAD THE PIN NUT ON THE PIN

**Removing Factory Doors:**

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

- Step 1 Front doors: Locate wiring harness along with limiting strap.
- Step 2 Unlock the factory plug by sliding the colored lock back. Then squeeze the end of the plug to release the secondary lock. Try not to pull too hard to separate as you may damage the wiring  
Don't unhook the limiting strap yet
- Step 3 Locate the 2 sexbolts that are used to attach the factory door to the hinge. Use a T-50 TORX bit to remove the sexbolts. (JK ONLY)  
You will reinstall the TrailDoors using the factory sex-bolts (JK ONLY). Once the bolts are removed you can remove the door  
Unhook the limiting strap, carefully lift the door out of the hinges. Be careful as the doors are a bit heavy

**Installation of the Trail Doors: All Part numbers**

- Step 1 Separate your door pins and latch plate, there are upper and lower pins for each door. To determine driver or passenger side pins and locations, refer to the images of the door frames on back page
- Step 2 Locate upper pin(refer to door frame image page 2). Attach the pin with three 8M hex bolts. Use large flat washers on both sides of the door, then lock washer the nut. Face the bolts inward leave the bolts loose for now.
- Step 3 Locate lower pin as shown on page 2. Attach the pin with three 8M hex bolts. Use large flat washers on both sides of the door, then lock washer the nut. Face the bolts in. Select one of the lower bolts to attach the door strap.  
The strap has two loops for the hook, leave the bolts loose for now.
- Step 4 (TJ) When installing the latch on TJ-6137 you will need to attach latch plate to the inside of the door with the **horizontal holes against the door**. Attach the latch to the backside of the latch plate using the vertical holes. Attach with two 8M bolts, flat washers, lock washer and nut, leave loose at this time.
- Step 4 (JK) Attach to the back side of the latch plate so that the latch matches the contoured edge of the latch bracket. Use three 8M bolts and nuts  
The latch release should be on top with the release lever pulling forward to release. Tighten the latch to the bracket at this time  
attach the latch plate to the door frame. The latch should be on the rear side of the bracket. There is vertical and horizontal adjustment to the latch bracket to allow for a precise fit.
- Step 5 Now with everything installed on the door, attach the doors to the vehicle by sliding the hinge pins through the hinges. **MAKE SURE THE PIN BOTTOM IS FLUSH WITH THE TOP OF THE HINGE**. This may require tapping the pin down into the hinge. Open the latch teeth carefully close the door on the vehicle, this will help to align the latch and pins into their correct position. While the door is closed now tighten the hinge bolts. Tighten the latch but leave loose enough for minor adjustment the key to adjusting the latch is to make sure the latch tooth has full rotation, and the notched tooth does not catch on the vehicle's striker. Once you are satisfied with the alignment tighten all hardware
- Step 6 (TJ) You may have to slightly adjust the latch striker on the vehicle in order to get the best fit. This is rare. TJ owners may need to adjust the lower hinge to get the best fit as well. TJ owners will need to pull fuse #5 to shut off the dome light.  
Tighten the nut on the door pin place washer between the bottom of the hinge and the nut.
- Step 6 (JK) The JK doors now have the ability to use the factory sex-bolt to attach the door frame to the hinge. Use caution on to cross tread the OEM sex-bolt when installing and removing the sets of doors. DO NOT over tighten the sex-bolt on the TrailDoors just make them snug. Otherwise there is the risk of snapping off the threaded piece of the pin. They just need to be snug. If this does occur there is no need to replace the pin immediately as the sister pin will secure the door on to the vehicle. If this does occur a replacement pin can be purchased.
- Step 7 Confirm that the door and latch operate smoothly and the latch closes fully.

