

Tube Doors



Installation Manual: for Jeep
Wranglers '07-'18
#11147-2002 & 11147-2003



A FEW WORDS ABOUT PRODUCT SAFETY:

Your Carnivore Tube Doors are intended to enhance the utility and enjoyment of your off road capable vehicle. Follow safety information and installation recommendations. Throughout these instructions is important safety information that is generally preceded by one of three signal words indicating the relative risk of injury, property damage or adverse consequence.

The signal words mean:

⚠ WARNING ⚠

A HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN DEATH OR SERIOUS INJURY. YOU CAN BE KILLED OR SERIOUSLY HURT IF YOU DON'T FOLLOW INSTRUCTIONS.

⚠ CAUTION ⚠

A HAZARDOUS SITUATION WHICH, IF NOT AVOIDED, COULD RESULT IN A MINOR OR MODERATE INJURY. YOU CAN BE MODERATELY HURT AND ALSO MAY SUFFER PROPERTY DAMAGE IF YOU DON'T FOLLOW INSTRUCTIONS.

NOTICE

CAREFUL ATTENTION IS REQUIRED TO THIS INSTRUCTION OR OPERATION BUT DOES GENERALLY NOT RELATE TO PERSONAL INJURY. DAMAGE TO YOUR CARNIVORE® PRODUCT OR OTHER PROPERTY MAY RESULT IF YOU DON'T FOLLOW INSTRUCTIONS.

BEFORE YOU BEGIN INSTALLATION:

Congratulations on your purchase of Carnivore Tube Doors for your Jeep® Wrangler. These custom tube doors have been designed for protection, long life, and great looks. When unpacking, check to make sure all parts are included and not damaged due to shipping. If any part is missing or broken, please call Customer Service at 800-745-6037 as soon as possible. Thank you again for your purchase and let's start the installation process.

⚠ CAUTION ⚠

READ ALL SAFETY MESSAGES AND ALWAYS WEAR SAFETY GLASSES WHEN WORKING WITH TOOLS.

⚠ WARNING ⚠

THESE DOORS ARE NOT INTENDED TO PROTECT OR CONTAIN THE VEHICLE OCCUPANTS OR PREVENT INJURY OR DEATH IN THE EVENT OF AN ACCIDENT.

⚠ WARNING ⚠

WEAR SEAT BELTS AT ALL TIMES

⚠ WARNING ⚠

ALWAYS READ ALL INSTRUCTIONS COMPLETELY AND FOLLOW ALL VEHICLE MANUFACTURER WARNINGS AND GUIDELINES.

⚠ WARNING ⚠

PERIODICALLY CHECK AND ADJUST ALL LATCHES AND FASTENERS. FAILURE TO DO SO COULD RESULT IN THE DOORS NOT LATCHING SECURELY. CARNIVORE TUBE DOORS ARE DESIGNED WITH A DOUBLE LATCHING FEATURE FOR YOUR SAFETY.

⚠ WARNING ⚠

DO NOT DRIVE YOUR VEHICLE ON PUBLIC ROADS WITH THE DOORS REMOVED AS YOU WILL LOSE THE (IMPACT AND EJECTION) PROTECTION THEY CAN PROVIDE. THE TUBE DOORS AND DOOR REMOVAL PROCEDURE ARE FURNISHED FOR USE DURING OFF-ROAD OPERATION ONLY. ALL OCCUPANTS MUST WEAR SEAT BELTS DURING OFF-ROAD OPERATION WITH DOORS REMOVED. ALWAYS REVIEW LOCAL LAWS AND ORDINANCES REGARDING DOORS-OFF OPERATION.

NOTICE

CONSULT YOUR LOCAL STATE LAWS AND VEHICLE REGULATIONS TO BE IN ACCORDANCE WITH ANY VEHICLE DOOR CODES AND LAWS.

Vehicle Preparation

Put on safety glasses. Start by removing your vehicle's factory doors. Refer to your vehicle's owner manual or visit the video section of Quadratec's website: www.Quadratec.com for proper removal of your factory doors. Retain the factory door retaining nuts for use with your tube doors. To remove the door retention nuts use a T50 Torx wrench.

PARTS & REQUIRED TOOLS



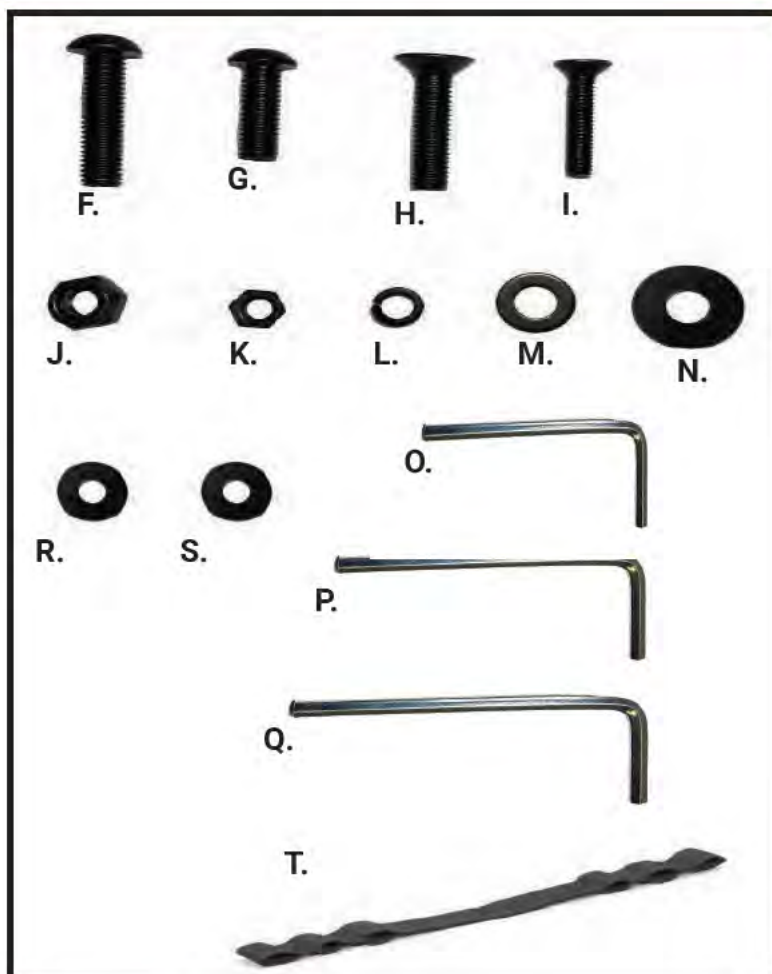
REQUIRED TOOLS:

- Safety Glasses
- 13mm Open End Wrench
- 10mm Open End Wrench
- T50 Torx Wrench
- Carboard Shims

KIT CONTENT LIST:

- A. Driver Side Tube Door (1)
- B. Passenger Side Tube Door (1)
- C. Door Latch (2) (Driver & Pass)
- D. Door Latch Bracket (2) (Driver & Pass)
- E. Door Hinges (4) ((2) Driver & (2) Pass)
- F. Large M8 Button Head Bolt (6)
- G. Small M8 Button Head Bolt (4)
- H. M8 Flat Head Bolt (8)
- I. M6 Flat Head Bolt (6) *
- J. M8 Nyloc Nut (18)
- K. M6 Hex Nut (6) *
- L. M6 Lock Washer (6) *
- M. M6 Flat Washer (6) *
- N. M8 Flat Washer (22)
- O. 2.5mm Hex Key (1)
- P. 4mm Hex Key (1) *
- Q. 5mm Hex Key (1)
- R. 1mm Bumper Shim (2)
- S. 2mm Bumper Shim (2)
- T. Door Check Strap (2)

Note: "*" Indicates only included with front doors.



Door Assembly: STEP 1

FIG 1



FIG 2



Put on safety glasses. Start by locating the correct hinges for the door location and place them on the door. Next place two (2) M8 Flat Head Bolts through the face of the hinge and through the tube door hinge mounting boss. (FIG 1) Secure the Hinge Fasteners with a M8 Flat Washer, then M8 Nyloc Nut. (FIG 2) Using the supplied 5mm Hex Wrench and 13mm open end wrench begin to tighten these fasteners but leave slightly loose for further adjustment later. Repeat this process for the remaining hinges.

STEP 2

FIG 3



FIG 4



Locate the correct Door Latch Bracket to be placed on the door latch base. Note the orientation of the bracket in (FIG 3), the two latch mounting holes should be closer to the bottom of the door. Use two (2) Small M8 Button Head Bolts and two (2) M8 Washers to pass through the bracket and the door's base mounting hole. Then use a M8 Flat Washer and M8 Nyloc Nut to secure the Bracket to the door. Using the supplied 5mm Hex Wrench and 13mm Open End Wrench begin to tighten these fasteners but leave slightly loose for further adjustment later. (FIG 4) Repeat this process for other latch bracket.

STEP 3

FIG 5



FIG 6



FIG 7



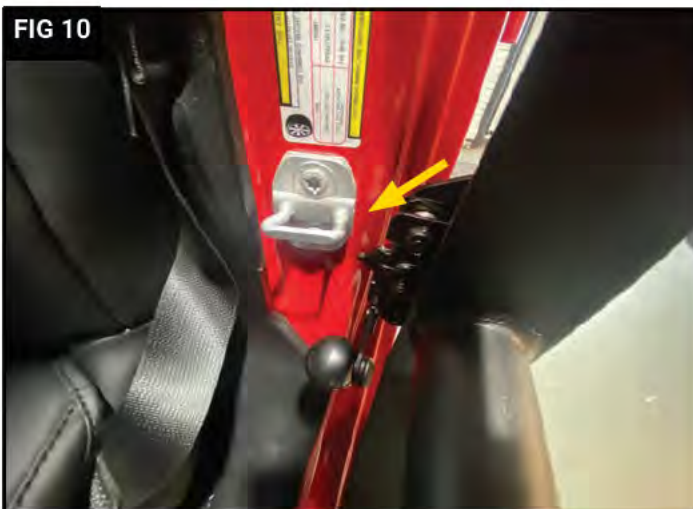
Install the corresponding Door Latch on the Door Latch Bracket. Use Large M8 Button Head Bolt with a M8 Flat Washers passing through the Latch, securing the bolt on the back side with a M8 Nyloc Hex Nut. (FIG 5 & 6) Repeat for the remaining two (2) holes. Using the supplied 5mm Hex Wrench and 13mm Open End Wrench begin to tighten these fasteners but leave slightly loose for further adjustment later. (FIG 7) Repeat this process for the opposite Door Latch.

Door Installation: STEP 4



Align the hinge pins with the factory door hinges of your vehicle and gently lower the doors onto the hinges. (FIG 8) Loosely install the factory door retention nuts with a T50 Torx Wrench. (FIG 9) You may need to wiggle the door to align the hinge pins in the hinges. **Note:** Do not fully tighten the Retention Nuts at this time.

STEP 5



Next, gently close the door and align the latch on the vehicle's striker pin. (FIG 10) Push the door onto the striker until the latch fully engages with two clicks. The Carnivore Tube Doors are equipped with two stage latches; please make sure that both stages are engaging before proceeding. If the latch is not engaging properly you may need to loosen the latch or latch bracket with the provided 5mm Hex Wrench and a 13mm Open Ended wrench. (FIG 11) Adjust the position of the latch as needed.

STEP 6

FIG 12



FIG 13



FIG 14



While the door is still closed and the latch is door latch is fully engaged, properly adjust the door aligning the door gaps front to back and along the base of the door. Cardboard shims may be used at this time to keep the door properly aligned. (FIG 14) Next, tighten the Door Hinge Fasteners using a 5mm Hex Wrench and 13mm open ended wrench. (FIG 12 & 13)

STEP 7

FIG 15



FIG 16



Next, gently unlatch the Door by lifting up on the latch knob on the inside of the door. Begin to swing the door open to tighten the Door latch and Latch Bracket Bolts. First tighten the two Latch bracket bolts using the 5mm Hex Wrench and 13mm Open End Wrench. (FIG 15) Next, tighten the three Latch Bolts using the 5mm Hex Wrench and 13mm Open Ended Wrench. After all five (5) latch bolts are tight, check proper engagement of the Latch on the vehicle's striker pin. (FIG 16) Re-adjust the latch as needed for full engagement.

Door Check Strap: STEP 8

FIG 17



FIG 18



Gently swing the door open and loop the door check strap over the hook on the inside of the door. Attach the other end of the door check strap to the factory hook on the inside of the vehicle. (FIG 17) The check straps have multiple positions to allow for adjustment. Adjust the position of the straps so that the door will not open too far and come in contact with the body of the vehicle. Fully tighten the door retention screws from "Step 4" using a T50 Torx Wrench. (FIG 18)

Door Rubber Bumper Adjustment: STEP 9

FIG 19



FIG 20



Included in this kit are Rubber Bumper Shims. These Rubber Bumper shims are intended to increase engagement of the Bumper with the Factory Door Still if there is excessive rattling during vehicle operation or if there is more contact needed for proper latch engagement. To add these shims, use the provided 2.5mm Hex Key Wrench and remove the Rubber Bumper and Bumper Screw. (FIG 19) Place the desired amount of shims behind the bumper and re-install the Rubber Bumper in place. (FIG 20) Re-check Door Latch engagement after adding shims and adjust as needed.

Optional Mirrors: STEP 10

FIG 21



FIG 22



Optional mirror installation for front doors: Align the optional mirrors with the three (3) holes in the mounting bosses on the doors. (FIG 21) Pass the M6 Flat Head Screws thru the holes in the mirror and secure them with a M6 Flat Washer, M6 Lock washer and M6 hex nut. (FIG 22) Tighten the screws with the supplied 4mm Hex Wrench and 10mm Open End Wrench. Quadratec Part number for the Mirrors is: #13111-0320

Carnivore Exclusive Three Year Limited Warranty

Your Carnivore branded accessories are covered by the following Limited Warranty provided exclusively by Carnivore, 1028 Saunders Lane, West Chester PA 19380.

This **Limited Warranty** is the only warranty made in connection with your purchase. Carnivore neither assumes nor authorizes any vendor, retailer or other person or entity to assume for it any other obligation or liability in connection with this product or Limited Warranty. This Limited Warranty does not apply and is not cumulative to any accessory or part distributed by Carnivore for which the Manufacturer provides a separate written warranty.

What is Covered:

Subject to the terms, exclusions and limitations herein and with respect only to Carnivore branded accessories first sold in the United States, Carnivore warrants to the initial retail purchaser only that your Carnivore accessory shall be free of defects in material and workmanship: for a period of three (3) years from date of retail purchase.

This **Limited Warranty** is not assignable and shall terminate upon sale of the vehicle upon which the Carnivore accessory is installed or other transfer to third persons.

All other warranties are hereby disclaimed, except to the extent prohibited by applicable law in which case any implied warranty of merchantability or fitness for a particular purpose on this product is limited to three (3) years from date of initial retail sale. Carnivore reserves the rights to: **(a.) require invoice or other proof your accessory is within the terms of this Limited Warranty as a condition of warranty service and, (b.) make future revisions to this product and Limited Warranty without prior notice or obligation to upgrade your product.**

What is Not Covered:

Your Carnivore Limited Warranty does not cover products or parts Carnivore determines to have been damaged by or subjected to: **(a.) installation damage, alteration, modification, combination with other parts, failure to maintain or improper repair or service, (b.) normal wear & tear, cosmetic damage or damage from moisture or water immersion, (c.) Acts of God, accidents, misuse, negligence, inadequate mounting or impact with vehicle(s), obstacles or other aspects of the environment, (d.) theft, vandalism or other intentional damage.**

Remedy Limited to Repair/Replacement:

The exclusive remedy provided hereunder shall, upon Carnivore inspection and at our option, be either repair or replacement of product or parts (new or refurbished) covered under this Limited Warranty. Customers requesting warranty consideration should first contact Carnivore to obtain a RGA number (610-701-3336). All labor, removal, shipping and installation costs are customer's responsibility.

Other Limitations - Exclusion of Damages - Your Rights Under State Law:

In consideration of the purchase price paid, neither Carnivore nor any independent Carnivore distributor/licensee are responsible for any time loss, rental costs, or for any incidental, consequential, punitive or other damages you may have or incur in connection with any part or product purchased. Your exclusive remedy hereunder for covered parts is repair/replacement as described above.

This **Limited Warranty** gives you specific rights. You may also have other rights that vary from state to state. For example, some states do not allow limitations of how long an implied warranty lasts and /or do not allow the exclusion or limitation of incidental or consequential damages, so the limitations and exclusions herein may not apply to you.

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