

Quadratec® QRC Rear Bumper

Installation Manual for '87-'06 Wrangler

#12057.0212



⚠ WARNING ⚠

TO REDUCE RISK OF SERIOUS INJURY OR PROPERTY DAMAGE: READ ALL SAFETY MESSAGES AND UNDERSTAND ALL INSTRUCTIONS AND PROCEDURE NOTICES BEFORE ATTEMPTING TO INSTALL OR USE THIS PRODUCT.

⚠ WARNING ⚠

THIS BUMPER NOT DESIGNED FOR TOWING. SEE PAGE 6 FOR URGENT CAPACITY & USE WARNINGS. DO NOT ALLOW RECEIVER MOUNTED ACCESSORIES (BIKES, ETC.) TO BLOCK VEHICLE MIRRORS OR LIGHTS. OBSERVE ALL WARNINGS.

⚠ CAUTION ⚠

RISK OF EYE INJURY! SAFETY GLASSES MUST BE WORN AT ALL TIMES WHILE INSTALLING OR MAINTAINING THIS PRODUCT. TORQUE AND RECHECK FASTENERS AFTER 250 MILES AND FREQUENTLY THEREAFTER. INSPECT BUMPER, WINCH AND MOUNT BEFORE USE. DO NOT USE IF DAMAGED.

NOTICE

CHECK STATE AND LOCAL HIGHWAY SAFETY LAWS REGARDING PERMITTED BUMPER TYPES AND HEIGHTS.

PARTS LIST:

QRC REAR BUMPER - QTY 1
12mm x 30mm BOLTS - QTY 12
12mm FLAT WASHERS - QTY 12
12mm NUTS - QTY 12

REQUIRED TOOLS:

SAFETY GLASSES
5/8" SOCKET

REQUIRED TOOLS:

18MM SOCKET AND DRIVER
19MM BOX END WRENCH
TORQUE WRENCH
T30 TORX BIT (97-06 MODEL ONLY)
POWER DRILL (97-06 MODEL ONLY)
3/16" & 7/16" DRILL BITS (97-06 MODEL ONLY)
DRILL STOP (97-06 MODEL ONLY)
PENCIL (97-06 MODEL ONLY)

Required Tools Note: Depending on what bumper you currently have on your Jeep® (factory or after-market) will determine exactly what wrench or socket you will need to remove and install your new Quadratec bumper.

The socket heads listed above are to remove and re-install factory bolts on a 97-06 Wrangler. Some Aftermarket bumpers use an oversized Phillips Head or other sized Hex head bolts.



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A Few Words About Product Safety:

Your Rear Bumper is intended to enhance the utility and enjoyment of your off road capable vehicle. Before installation, please take a moment to review the following safety information

and installation instructions. Important safety information is generally preceded by one of three signal words indicating the relative risk of injury.

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 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 Quadratec® product or other property may result if you don't follow instructions.

Before You Begin Installation:

Congratulations on your purchase of the Quadratec QRC Rear Bumper for your Jeep® Wrangler. This custom fit rear Bumper has been designed for long life and a great look. Though constructed of only the finest materials, this Tube Bumper must be maintained to keep its look while performing under the toughest conditions. 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 Quadratec Customer Service at 800-745-6037 as soon as possible. Thank you again for your purchase and let's start the installation process. We suggest you get the help of a friend for the steps that involve lifting, locating or holding the bumper during installation.

NOTICE	As you unpack your rear bumper, be careful not to scratch the finish with a knife or razor. We suggest placing the unpacked bumper back into the original box so it does not get scratched before the installation begins. It is highly recommended that a second person assist with the installation of this bumper.
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Bumper Care and Maintenance:

Your Bumper has been designed and manufactured to provide years of use. However, like any product, general maintenance is required to keep it looking new. Since the bumper is located on the rear of the vehicle, it is subject to rock chips and other debris potentially causing portions of the paint to chip off. We recommend using a textured or gloss black spray paint sprayed on a piece of cardboard and Q-Tip to gently fill in these chips.

This will prevent any rust from forming. On all bumpers there is a chance of some surface rust showing over time due to metal particles being embedded in the paint. This surface rust is easily removed by a non-abrasive cleaner/polish and a soft bristle brush (not a metal brush!).

For bumpers with a textured finish, wash only with soapy water and avoid other waxes and polishes.



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Installation Step One: Remove Stock Bumper

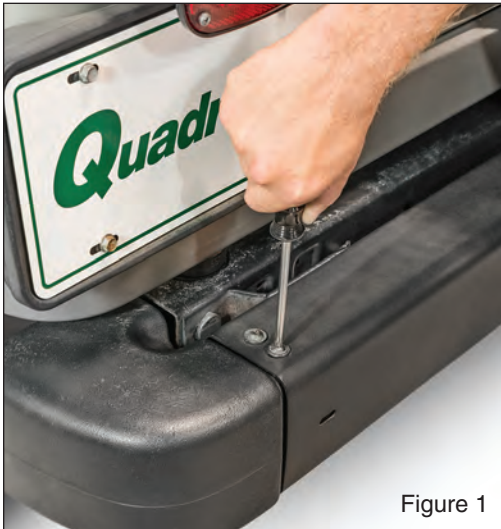


Figure 1



Figure 2

Removing Existing '97-'06 Rear Bumper
Before you start, put on safety glasses. Locate and remove the five T30 Torx Bolts (2 on top, 3 on under side) holding your plastic end caps to the existing

rear bumper (FIG 1). Locate the bolts holding the body mount and bumper bracket to the frame (FIG 2).

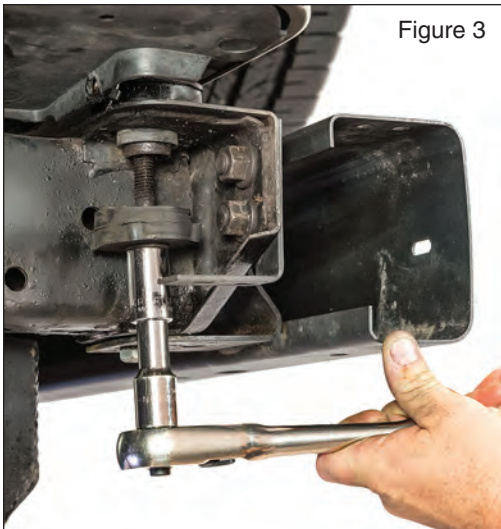


Figure 3



Figure 4

Next, use the 5/8" socket to remove the rear body mount (FIG 3). Finally, use a 18mm socket to remove the nuts

holding the bumper to your Jeep's frame (FIG 4). Repeat these steps for both sides of your Wrangler vehicle.

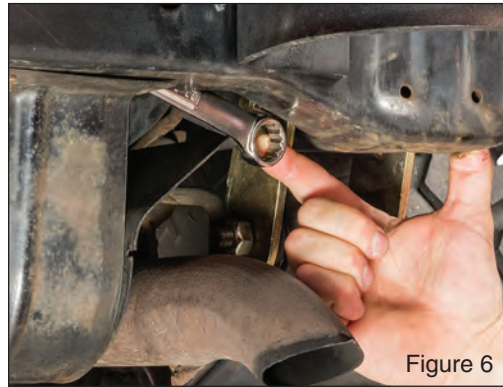


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Installation Step One (continued):

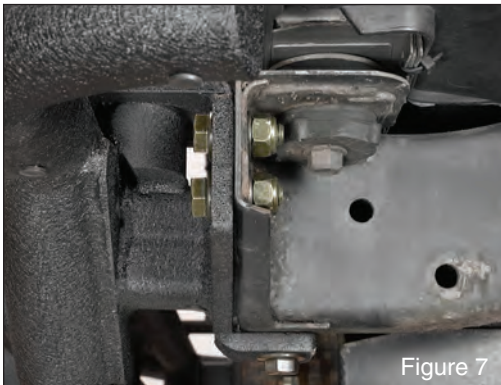


Remove '87-'95 Rear Bumperettes
Put on safety glasses. Locate and remove the four bolts and nuts holding bumperettes to your Jeeps frame (FIG 5). Our bolts were a 16mm head and



nuts were 18mm. Removal Tip, we inserted the box end wrench into the frame rail as shown for easy removal of the nuts (FIG 6).

Step Two: Install QRC Rear Bumper



Installing QRC Rear Bumper
Once existing rear bumper is removed, the next steps will be determined by what model year Jeep® you own. With a friend, lift rear bumper into position. The outside pre-drilled holes in your bumper will line up with the outside mounting bracket holes on your Wrangler. You will need to drill two holes per side (97-06 Models Only) for the inside mounting holes. With the help of an-



other person, the Bumper should be centered on outside holes only and installed on the top hole using one (1) 12mm x 30mm bolt, one (1) 12mm Flat washer and one (1) 12mm nut (FIG 7). Tighten these two bolts snug. With the outside holes of the bumper centered on the holes, mark the center of the inside holes of the bumper mounting bracket making sure the mounting bracket/bumper is level (FIG 8). Repeat for both sides.



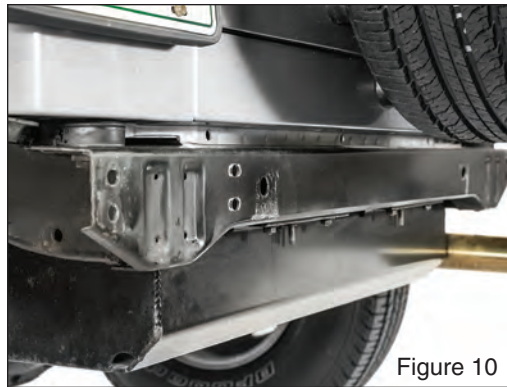
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Installation Step Two (continued):

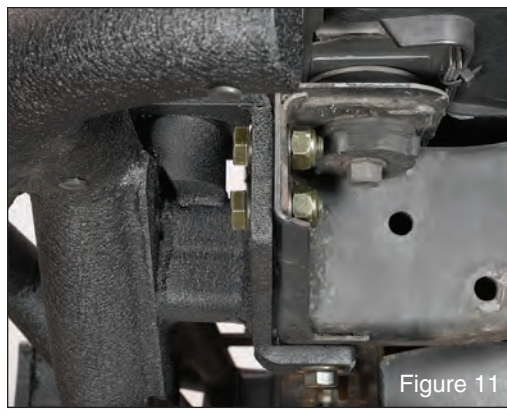
Remove the bumper from the vehicle by taking out the two bolts previously installed to position the bumper on the frame. Using a 3/16" drill bit, drill a pilot hole in the four marked areas/hole locations being *EXTREMELY* careful not to

drill too deep as the fuel Tank is directly behind the bumper (FIG 9). Replace the 3/16" drill bit with the 7/16" drill bit and drill out the pilot holes using *EXTREME* care not to drill too deep. We recommend use of a drill stop.

⚠ WARNING ⚠ Use extreme care when drilling into the rear frame of your vehicle. The gas tank is directly behind the cross member and can be punctured if drilling is too deep. There is a potential fire and safety hazard if the fuel tank is punctured



With the four 7/16" Holes drilled, the bumper should be centered on the inside and outside holes. With the help of a friend, re-attach the rear bumper to the rear frame upper 8 bolt locations using (8) 12mm x 30mm bolts, (8) 12mm Flat Washers, and (8) 12mm nuts per side. Do not tighten at this time. Attach the lower mounting holes to the rear frame using (4) 12mm x 30mm bolts, (4) 12mm Flat Washers, and (4) 12mm nuts per side. Tighten all 12 bolts/nuts to 45 lbs using a Torque Wrench, (FIG 11).



NOTICE Torque Specifications: All New Installed Bolts = 45 ft-Lbs



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Regarding Receiver Bumper Safety:

⚠ WARNING ⚠

THIS BUMPER IS NOT INTENDED FOR ACCIDENT PROTECTION OR USE OTHER THAN MOUNT FOR ACCESSORIES (BIKE RACKS, ETC.).

⚠ WARNING ⚠

THIS RECEIVER IS NOT FRAME-MOUNTED, AND IS NOT INTENDED FOR TOWING.

TO REDUCE RISK OF SERIOUS INJURY OR PROPERTY DAMAGE:

⚠ WARNING ⚠

DO NOT TOW OR USE RECEIVER FOR TRAILER HITCH

⚠ WARNING ⚠

FOLLOW ALL INSTRUCTIONS & WARNINGS WITH PRODUCT OWNERS MANUAL AND VEHICLE OWNERS MANUAL.

⚠ WARNING ⚠

DO NOT ALLOW RECEIVER MOUNTED ACCESSORIES (SUCH AS BIKES, ETC.) TO BLOCK VEHICLE MIRRORS OR LIGHTS.



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Also Available: QuadraTop® Replacement Soft Tops

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Applications for YJ and TJ Wrangler Vehicles:

For '88-'95 Wrangler w/Upper Doors & Clear Windows #11000.00XX

For '88-'95 Wrangler w/Upper Doors & Tinted Windows #11000.01XX

▶ Colors: 09 · 15 · 17

For '97-'02 Wrangler w/Clear Windows #11000.02XX

For '97-'02 Wrangler w/Tinted Windows #11000.03XX

For '97-'02 Wrangler w/Upper Doors & Clear Windows #11000.04XX

For '97-'02 Wrangler w/Upper Doors & Tinted Windows #11000.05XX

▶ Colors: 15 · 17 · 33

For '03-'06 Wrangler w/Clear Windows #11000.0635

For '03-'06 Wrangler w/Tinted Windows #11000.0735

For '03-'06 Wrangler w/Upper Doors & Clear Windows #11000.0645

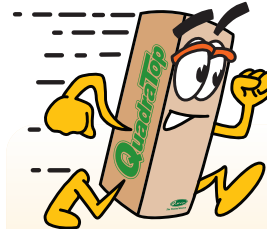
For '03-'06 Wrangler w/Upper Doors & Tinted Windows #11000.0745

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Quadrtec® Exclusive Three Year Limited Warranty

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

This **Limited Warranty** is the only warranty made in connection with your purchase. Quadrtec 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 Quadrtec 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 Quadrtec branded accessories first sold in the United States, Quadrtec warrants to the initial retail purchaser only that your Quadrtec 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 Quadrtec accessory is installed or other transfer 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 3 year from date of initial retail sale. Quadrtec 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 Quadrtec **Limited Warranty** does not cover products or parts Quadrtec 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 Quadrtec inspection and at Quadrtec's 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 Quadrtec 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 Quadrtec nor any independent Quadrtec 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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