

Quadratec® QRC Front Bumpers

Installation Manual for '18 - Current Wrangler JL Vehicles
#12057.014X



Stubby Bumper



Bumper with Brush Guard



Stubby Bumper



Bumper With Brush Guard

⚠ 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 ⚠

MOUNT WINCH USING ONLY APPROVED MOUNTING PLATE. BUMPER/WINCH PLATE NOT INTENDED FOR WINCHES IN EXCESS OF 10000LBS. LOAD LIMITS FOR YOUR BUMPER/WINCH MAY BE LESS DEPENDING ON CONDITION OF YOUR VEHICLE AND ATTACHMENTS. FOLLOW ALL INSTRUCTIONS, LIMITATIONS & WARNINGS WITH YOUR VEHICLE, THIS PRODUCT, YOUR WINCH AND SAFE WINCHING PRACTICES SUPPLEMENT.

⚠ 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.



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A Few Words About Product Safety:

Your Quadratec® QRC Front Bumper is intended to enhance the utility and enjoyment of your off road capable vehicle. Before installation, please review the following safety information and installation recommendations.

Throughout these instructions important safety information 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 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 Quadratec® QRC Front Bumper for your Jeep® Wrangler. This custom fit front Bumper has been designed for long life and a great look. Though constructed of only the finest materials, this bumper must be maintained to keep its look while performing under the toughest conditions. Please see page 10 for important care & maintenance tips to keep

your bumper looking like new. 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.

NOTICE	AS YOU UNPACK YOUR FRONT 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. THIS BUMPER HAS A CUT-OUT FOR A VEHICLE RECOVERY WINCH. THE BUMPER FEATURES AN INTEGRATED WINCH MOUNTING PLATE.
⚠ CAUTION ⚠	WELDED FRONT BUMPERS ARE HEAVY AND WE STRONGLY SUGGEST THE ASSISTANCE OF AN ABLE-BODIED ASSISTANT DURING LIFTING AND INSTALLATION OF YOUR BUMPER.

⚠ CAUTION ⚠	READ ALL SAFETY MESSAGES AND ALWAYS WEAR SAFETY GLASSES WHEN WORKING WITH TOOLS.
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QRC Front Bumper Parts & Tools:



PARTS LIST:

- | | |
|--------------------------------|--------|
| A) QRC Front Bumper | QTY 1 |
| B) 12 x 35mm Hex Bolts | QTY 4 |
| C) 12mm Flat Washers | QTY 8 |
| D) 12mm Lock Washers | QTY 4 |
| E) 12mm Nylock Nuts | QTY 4 |
| F) 4 x 16mm Button Head Screws | QTY 12 |
| G) 4mm Flat Washers | QTY 20 |
| H) 4mm Nuts | QTY 8 |
| I) 2.5mm Hex Key | QTY 1 |
| J) Fog Lamp Brackets | QTY 2 |

REQUIRED TOOLS:

- Safety Glasses
- 13, 16, & 18mm deep Sockets
- 19mm Socket
- Extension & Ratchet
- 7mm & 5/16" Sockets & Ratchet
- 7mm Box End Wrench
- T-20 Torx Driver
- Flat Blade Screwdriver
- Forked Clip/Trim Removal Tool
- Torque Wrench (ft lbs)

NOTICE

THE MAJORITY OF THE INSTALLATION HAS TO DO WITH ADAPTING THE ORIGINAL EQUIPMENT FOG LIGHTS AND WIRING TO THE NEW BUMPER.

THE PROCEEDURE VARIES DEPENDING ON THE TRIM LEVEL OF YOUR JL CHASSIS WRANGLER (SPORT VS. SAHARA OR RUBICON).



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QRC JL Front Bumper Installation Prep:



Put on safety glasses. Start by removing the factory splash guard. Remove the 8 plastic push rivets on the underside of the bumper. (FIG1)



Remove the two screws on the underside using a 5/16" socket. (FIG2) Remove the splash guard. Note: This will not be reused with your QRC bumper.



Remove the two bolts holding on the Original Equipment cross shield using a 16mm socket. Remove the cross shield by lifting upward and out. Note: This will not be reused with your QRC bumper. (FIG3)



Locate the frame guard plastic retainers on either side. (FIG4)

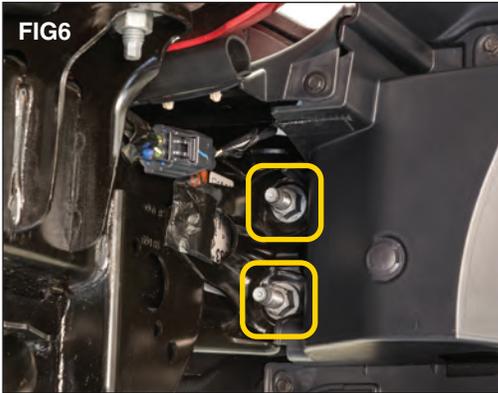


Remove the plastic retainers using a small flat blade screwdriver. (FIG5)



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QRC JL Front Bumper Installation Prep:



Using a 18mm deep socket remove the (8) bumper retaining nuts. There are 2 on the inside and outside of each frame rail. (FIG6)



Lastly disconnect the fog light wiring harness plug so the bumper can be removed. (FIG7) Carefully remove the bumper from the frame rails.

Foglight Harness Removal from Original Bumper (Sport Model)



For Wrangler Sport Model Vehicles: Locate the 7 screws on either side holding the splash shields to bumper and remove using a 7mm socket. (FIG8)



Disconnect the factory wiring harness from the bumper mounted fog lights. (FIG9)



Locate the 4 bolts holding the metal sub structure to bumper fascia and remove using a 13mm socket. (FIG10)



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Foglight Harness Removal from Original Bumper (Sport Model)

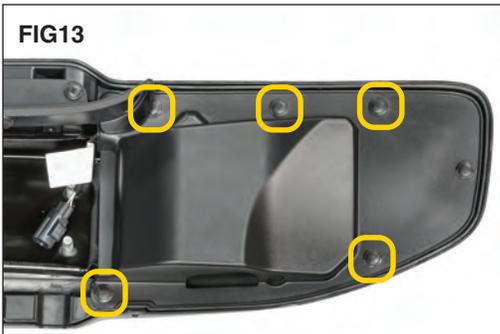


Now you will be able to access the fog light wiring harness. Remove harness using a trim removal tool and set aside for re use. (FIG11)



Remove the 3 screws retaining the fog lamps to bumper fascia using a T-20 driver and set aside for re use. (FIG12)

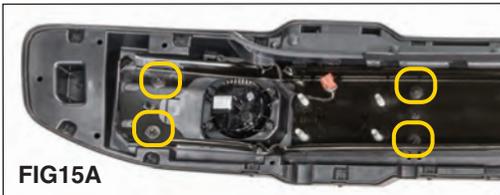
Foglight Harness Removal from Original Bumper (Sahara & Rubicon Models)



Locate the (6) plastic fasteners on either side holding the splash shields to bumper and remove using a flat blade screwdriver. (FIG13)



Disconnect the factory wiring harness from the bumper mounted fog lights. (FIG14)



Locate the (8) nuts holding the metal sub structure to bumper fascia and remove using a 13mm deep socket.

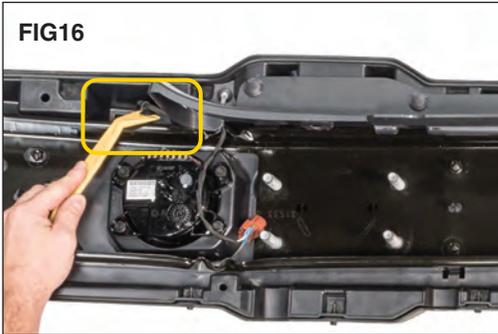


(FIGS 15A & 15B)



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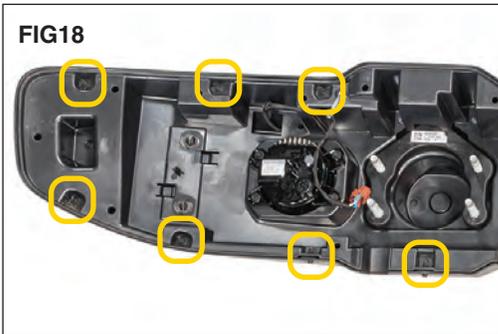
Foglight Harness Removal from Original Bumper (Sahara & Rubicon Models)



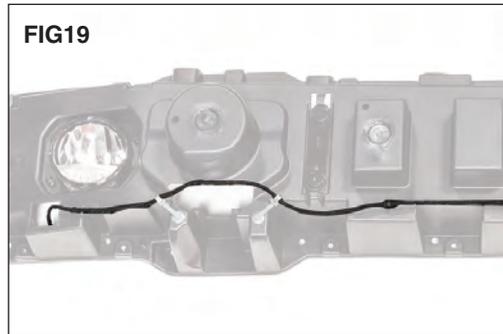
Remove the two fog light wiring harness retainers from metal sub structure using a trim removal tool. (FIG16)



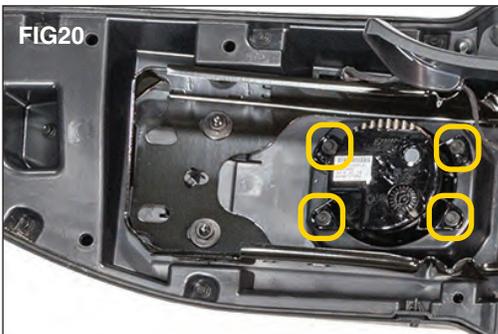
Locate the six plastic fasteners holding the frame guard to bumper and remove using a flat blade screwdriver. (FIG17)



Locate the (24) screws holding bumper halves together and remove using a 7mm socket. (FIG18) Note: Several not shown in this Figure.



Separate bumper halves and turn over to access the fog light wiring harness. Remove harness using a trim removal tool set aside for re-use. (FIG19)



Finally, Remove the four screws retaining the fog lamps to bumper fascia using a 7mm socket and set aside for re-use. (FIG20)



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Fog Light Installation on QRC Bumpers: Sport Model Vehicles



FIG21 shows the bumper mounting configuration for your fog lamps. You will be using three holes just as the factory original did.



Hold fog lamp in place and loosely attach to bumper with two 4mm button head screws and two washers using the provided 2.5mm hex key. (FIG22)



Lastly, from the backside loosely install the final 4mm button head screw with a washer on both sides and secure with 4mm nut using the provided 2.5mm hex key and a 7mm socket. (FIG23)

Tighten all fasteners once the fog lamp is in position. Please repeat steps on the opposite side.



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Fog Light Installation on QRC Bumpers: Sahara & Rubicon Vehicles



Loosely attach the supplied fog lamp bracket to bumper with two 4mm button head screws and two washers using the provided 2.5mm hex key. (FIG24)

Next, Hold fog lamp in place and attach to bumper with four 4mm button head screws, washers on both sides and then



secure with a 4mm nut using the provided 2.5mm hex key and a 7mm wrench. The top most outer screw will come in from the backside as shown. (FIG25). Finally, tighten all fasteners once fog lamp is in position.

Repeat steps on the opposite side.

QRC Front Bumper: Install on Vehicle

With the help of a friend lift the bumper into place on the frame of the Jeep.

CAUTION

WELDED FRONT BUMPERS ARE HEAVY AND WE STRONGLY SUGGEST THE ASSISTANCE OF AN ABLE-BODIED ASSISTANT DURING LIFTING AND INSTALLATION OF YOUR BUMPER.



Secure the bumper to the outside of frame with (4) (two on each side) 12mm bolts, lock washers and flat washers using a 18mm socket and ratchet. Torque the bolts to 66ft pounds. (FIG26)



On the inside of frame secure bumper with four 12mm washers and nylock nuts using a 19mm socket and ratchet. Torque the bolts to 66ft pounds. (FIG27)



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QRC Front Bumper: Install on Vehicle



Install the fog lamp harness as shown. Connect to body side connector until you hear a "click". (FIG28)



Route the wiring harness over passenger side frame rail and down under winch plate to drivers side fog lamp as shown. (FIG29) Cable ties may be necessary to secure harness if there is extra slack.



You may now install your Winch and fairlead into the bumper according to your winch installation instructions.

Note: It may be necessary to trim the corner of frame horn as outlined in FIG30 for winch motor clearance.

Bumper Care:

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 front of the vehicle, it is subject to potential 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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Final Results:



Shown installed with the Quadratec Q-Performance Stealth Winch (sold separately)



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Quadratec® Exclusive Three Year Limited Warranty

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

This **Limited Warranty** is the only warranty made in connection with your purchase. Quadratec 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 Quadratec 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 Quadratec branded accessories first sold in the United States, Quadratec warrants to the initial retail purchaser only that your Quadratec 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 Quadratec 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. Quadratec 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 Quadratec **Limited Warranty** does not cover products or parts Quadratec 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 Quadratec inspection and at Quadratec'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 Quadratec 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 Quadratec nor any independent Quadratec 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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