

# Quadratec® QRC Rear Bumper

Installation Manual: for Gladiator (JT) #12057-0242



**Quadratec**

### A FEW WORDS ABOUT PRODUCT SAFETY:

Your Quadratec Bumper is intended to enhance the utility and enjoyment of your Jeep vehicle. Before installation, please review the following safety information and installation recommendations. Throughout these instructions important safety information is generally preceded by one of the 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 GENERALLY DOES NOT RELATE TO PERSONAL INJURY. DAMAGE TO YOUR QUADRATEC PRODUCT OR OTHER PROPERTY MAY RESULT IF YOU DON'T FOLLOW INSTRUCTIONS.

### BEFORE YOU BEGIN USAGE:

Congratulations on your purchase of a Quadratec Bumper. Your top-quality bumper mounts directly to the frame of your vehicle. 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.

#### **⚠️ 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.

#### **⚠️ CAUTION ⚠️**

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

#### **⚠️ CAUTION ⚠️**

RISK OF EYE INJURY! SAFETY GLASSES MUST BE WORN AT ALL TIMES WHILE INSTALLING OR MAINTAINING THIS PRODUCT. DO NOT USE IF DAMAGED.

#### **NOTICE**

A SEGMENT OF THE INSTALLATION HAS TO DO WITH ADAPTING THE ORIGINAL EQUIPMENT AND WIRING TO THE NEW BUMPER.

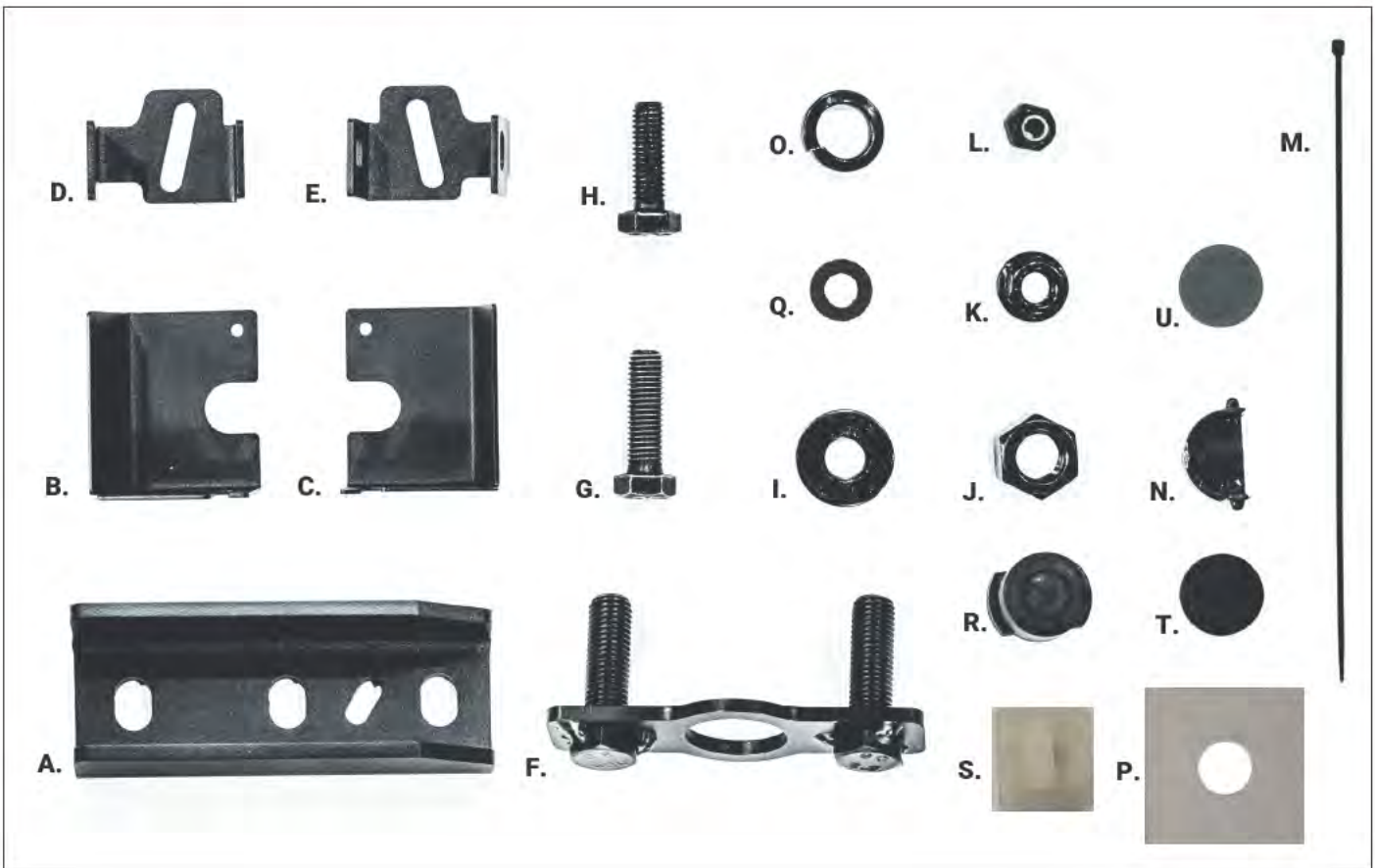
#### **NOTICE**

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.

#### **NOTICE**

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

## PARTS & REQUIRED TOOLS



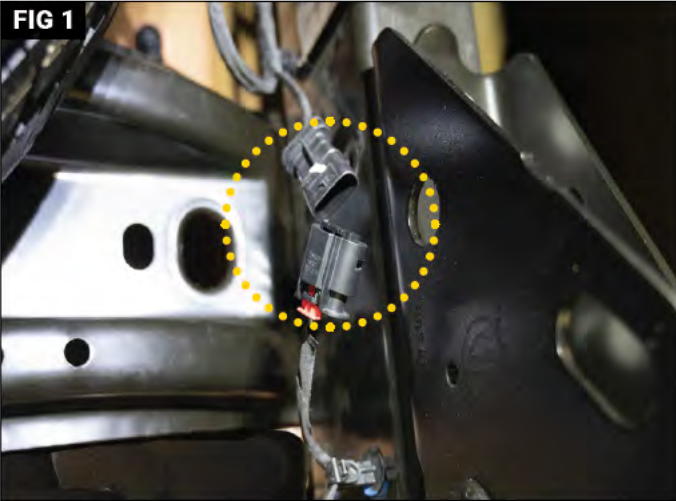
### KIT CONTENT LIST:

- A. Tow Hook Extension Bracket (x1)
- B. Right Light Rock Guard (x1)
- C. Left Light Rock Guard (x1)
- D. Right Auxiliary Light Mounting Bracket (x1)
- E. Left Auxiliary Light Mounting Bracket (x1)
- F. Double Flag Bolt Connector (x2)
- G. M12 Bolt 1.75 x 35 (x1)
- H. M8 Bolt 1.25 x 30 (x4)
- I. M12 Flat Washer (x6)
- J. M12 Nut (x5)
- K. M8 Nut (x4)
- L. M4 Nut (x6)
- M. Wire Tie (x15)
- N. Plastic Retainer Clip (x4)
- O. M12 Lock Washer (x5)
- P. Clear Plastic Retaining Clips (x4)
- Q. M4 Flat Washer (x6)
- R. Rubber Sensor Plug (x4)
- S. License Plate Screw Set (x2)
- T. Rubber Spacer (x4)
- U. Foam Spacer (x8)

### REQUIRED TOOLS:

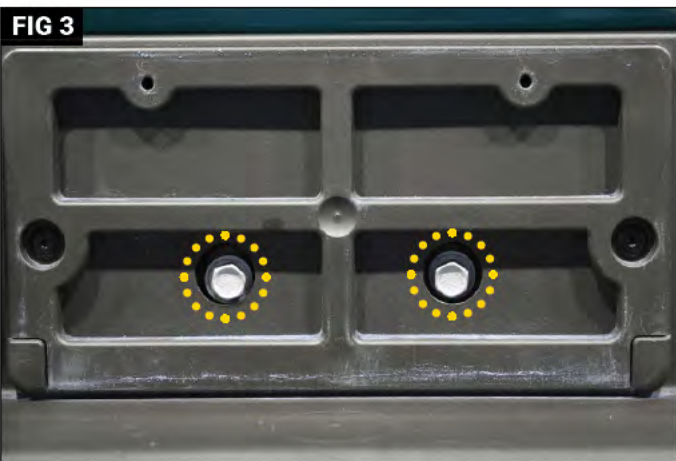
- Safety Glasses
- 2mm Socket
- 7mm Socket
- 13mm Socket
- 16mm Socket
- 18mm Socket
- 13mm Wrench
- Ratchet
- Wire Cutter
- Dremel Rotary Grinder Tool
- Flathead Screwdriver

## STEP 1 - TO REMOVE FACTORY BUMPER



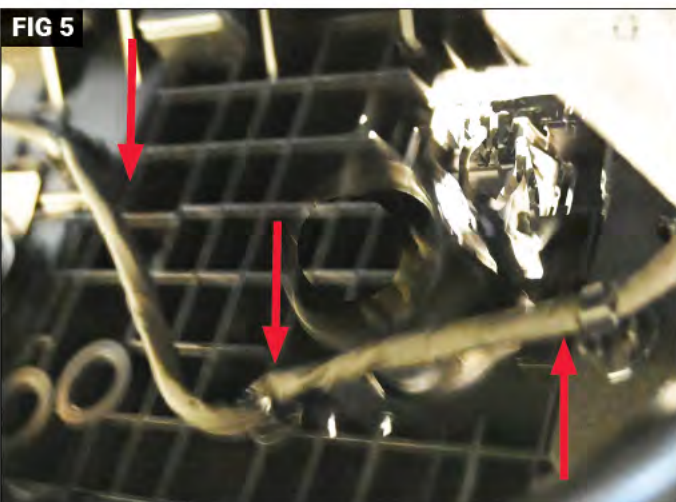
Put on Safety Glasses. Disconnect the back up sensor wiring if equipped and license plate wiring from the frame. (Fig 1) Disconnect the trailer light wiring harness from the bumper plug. (Fig 2)

## STEP 2



Remove the license plate and the two center bolts using 16mm socket. (Fig 3) Remove the two frame mounting bolts connecting the rear bumper using a 16mm socket. Repeat step for the other side. Remove the bumper from the vehicle. (Fig 4)

## STEP 3



If your Jeep is equipped with back up sensors, remove and unplug each sensor. Unclip the wiring from the bumper using a flat head screw driver. (Fig 5) Use a flat head screw driver to lift the clip and remove the license plate lights on each side of the bumper. (Fig 6)

## STEP 4 - BUMPER PREP



Locate the tow hook. (Fig 7) Using a 21mm wrench, remove the tow hook from the frame mount. There are two factory bolts. (Fig 8)

## STEP 5



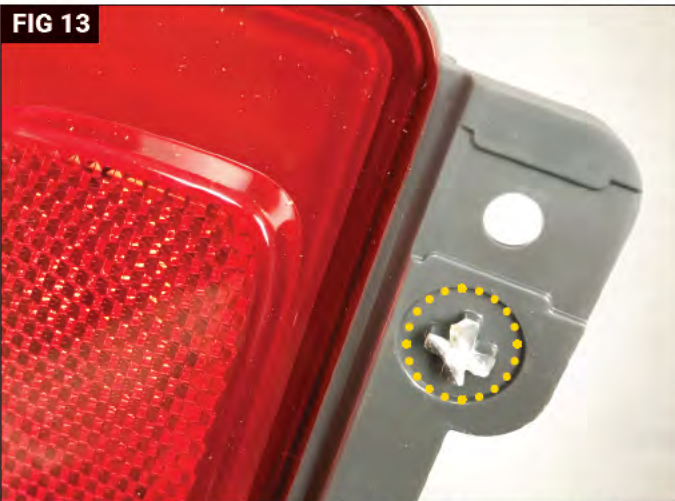
Attach the supplied tow hook extension bracket (A.) to the tow hook using one factory bolt towards the front of the tow hook. (Fig 9) Slide the tow hook back onto the bumper. Using one supplied M12 bolt, one M12 lock washer, one M12 flat washer in the back and the other factory bolt in the middle. Tighten with a 21mm socket. (Fig 10) Total of three bolts.

## STEP 6



If you are not using the backup light option, remove the right and left side reflectors using a 7mm socket. (See Steps 13 through 15 for backup light option). (Fig 11) Using a wire cutter, clip off the two alignment pins. (Fig 12)

## STEP 7



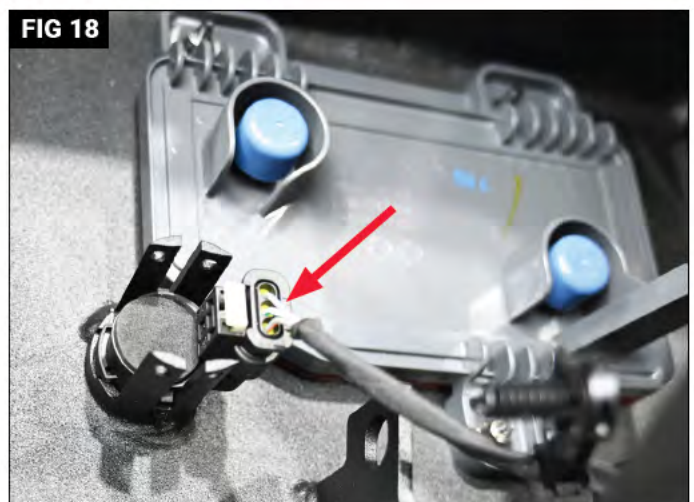
The plastic pin remnants will need to be ground off flush. (Fig 13) Using a hand held dremel tool, remove all pin remnants. (Fig 14)

## STEP 8



Reattach the reflectors onto the bumper. (Fig 15) Using supplied nuts, tighten each reflector using a 7mm socket. (Fig 16)

## STEP 9



Place two foam spacers onto each back up sensor and place them onto the new bumper (U.). (Fig 17) Install the factory back up sensors to the new bumper and connect the wire harness to the sensor plugs. (Fig 18)

## STEP 10



Secure each back up sensor to the new bumper using the supplied plastic bracket clip (N.). (Fig 19) If your vehicle did not come with the back up parking sensor option, use the supplied rubber spacer and rubber sensor plug for each sensor cut out (R.,T.). (Fig 20)

## STEP 11



Install the trailer light plug into the bumper, seat the clips on each side of the bumper to secure. (Fig 21) Insert the supplied plastic license plate clips to the new bumper (S.). (Fig 22)

## STEP 12



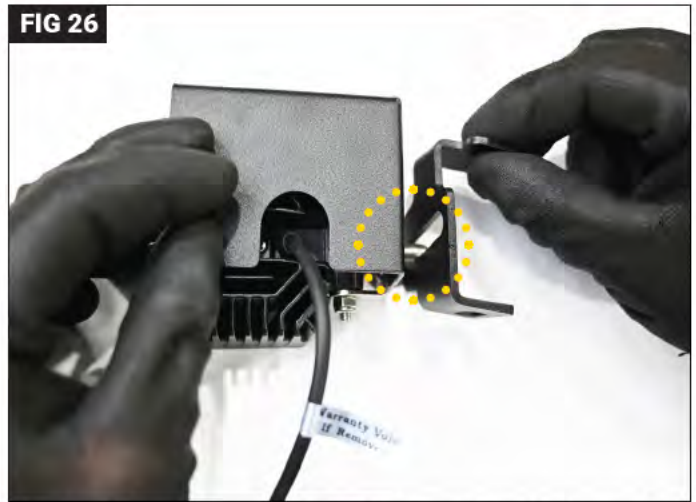
Place the factory license plate lights into the bumper for each side. (Fig 23) If equipped with parking sensors, run the wire harness to each connector and use the supplied wire ties to secure the wire harness in place (M.). (Fig 24)

## STEP 13

FIG 25



FIG 26



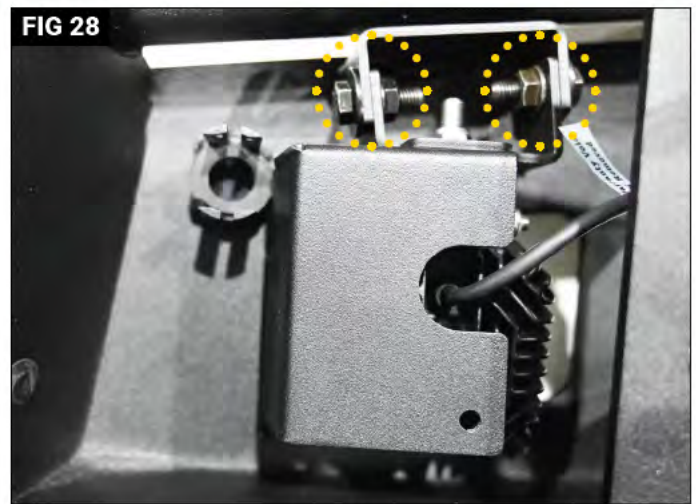
If you are using the back up light option, place the supplied light shield bracket onto the light through the bolt attached to the light. (Fig 25) Next, place the light mounting bracket around the light bolt. (Fig 26)

## STEP 14

FIG 27



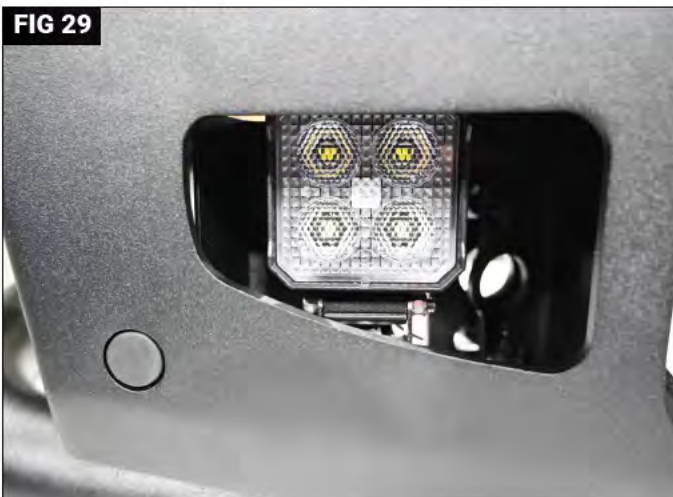
FIG 28



Tighten the light mounting bracket to the light bolt using a 13mm wrench or socket. (Fig 27) Place the light into the new bumper and align the light accordingly. Attach two M8 bolts and two M8 nuts. Tighten using a 13mm wrench and a 7mm socket. (Fig 28)

## STEP 15

FIG 29



Once the light is mounted, check the placement and adjust accordingly. (Fig 29)



## STEP 16 - BUMPER INSTALLATION

FIG 30

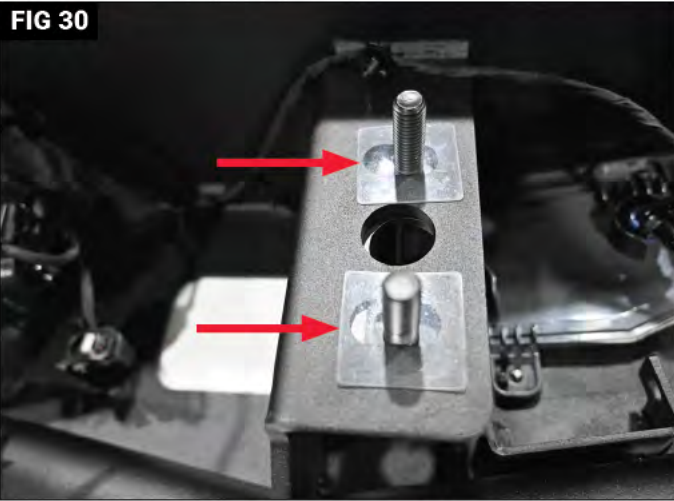
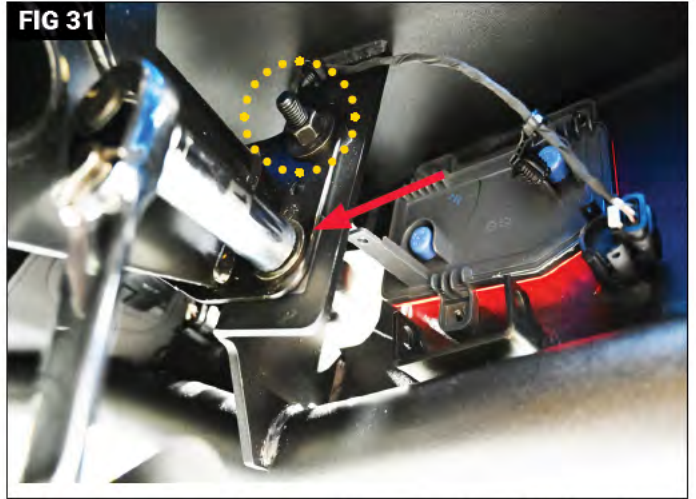


FIG 31



Secure the flag bolt (F.) using two of the clear plastic retaining clips (P.). Repeat for the other side. (Fig 30) With the help of another person, place the new bumper onto the vehicle and tighten each bolt using a flat M12 washer and a M12 nut with an 18mm socket. (Fig 31)

## STEP 17

FIG 32



FIG 33



Attach the license plate light connector and wire harness if equipped with parking sensors. (Fig 32) Attach the trailer light harness to the trailer light plug. Attach the license plate. (Fig 33) Installation is now complete. Enjoy your new Quadratec bumper.

## COMPLETE



# Quadratec® Exclusive Three Year Limited Warranty

Your Quadratec® Bumper 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 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. 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 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 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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