

# J5™ LED Light Bar with Amber Clearance Lights

For 97 - Current TJ, JK & JKU Wrangler Vehicles: #97109.1023



## PARTS LIST:

Light bar with adjustable brackets - QTY 1  
Deutsch Style Pigtail Harness - QTY 1  
8 x 25 mm Bolt, Nylock & Washer - QTY 2  
18-22 AWG Wire Tap - QTY 1 (for TJ only)

## REQUIRED TOOLS:

Safety Glasses  
4mm Hex/Allen® Key  
13mm wrenches - QTY 2  
Wire Ties  
Wire Cutter & Pliers (for TJ only)  
Electrical Tape (for TJ only)



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**A Few Words About Product Safety:**

Your LED Lightbar is designed 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:

<b>⚠ WARNING ⚠</b>	<b>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.</b>
<b>⚠ CAUTION ⚠</b>	<b>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.</b>
<b>NOTICE</b>	<b>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.</b>

**Before You Begin Installation:**

Congratulations on your purchase of the Quadratec J5 LED Lightbar for your Jeep® Wrangler.

to shipping. If any part is missing or broken, please call Customer Service at 800-745-6037 as soon as possible.

When unpacking, check to make sure all parts are included and not damaged due

Thank you again for your purchase and let's start the installation process.

<b>NOTICE</b>	<b>THE FULL WIDTH LIGHTBAR IS LONG AND SOMEWHAT AWKWARD TO HANDLE DURING INSTALLATION. WE RECOMMEND GETTING ASSISTANCE TO PREVENT DAMAGE TO THE PRODUCT OR YOUR VEHICLE.</b>
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**Product Care and Maintenance:**

Always wear Safety Glasses while handling tools during installation.

Installation instructions for the Quadratec light bar mounts and wiring harness are provided separately with those components. If you are using different brackets or harness, please follow the manufacturer's instructions.



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### LED Lightbar Installation:



*Put on Safety Glasses. Loosen the button head hex screws (4) on the top and bottom on each end of the light bar brackets with a 4mm hex key. This will allow the brackets to slide in and out in order to fit multiple width light bar mounts.*



*Position the light bar on your mounting brackets and center it left to right on your the vehicle.*



*Attach the light bar to your brackets with the provided bolt, nylock and washer. Tighten the nut and bolt with two 13mm wrenches or a wrench and a 13mm socket.*



*Snug the button headed screws on the top and bottom of both ends of the lightbar with a 4mm hex wrench.*



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**LED Lightbar Installation:**



*The main power wire can be routed behind or next to your A pillar mounting brackets.*

*Connect the Deutsch connector to the corresponding connector on your Quadratec wiring harness (sold separately) or the use the supplied pigtail*



*to connect to any other harness. Your routing will depend on your specific brackets and wiring harness location. If you are using a Quadratec wiring harness and mounting brackets please refer to the instructions that came with those components.*



*The Clearance light accessory wire can be routed behind or next to your A pillar bracket.*



*Safely route the wire to the fuse box on your vehicle. The clearance lights will be tied into your parking light fuse so that they will be on whenever your parking lights or headlights are turned on.*



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## Vehicle Specific Wiring: JK Vehicles

### **CAUTION**

WHEN ROUTING ELECTRICAL WIRES, ALWAYS AVOID PINCHING WIRES. ALWAYS AVOID HOT OR MOVING COMPONENTS. ALWAYS SECURE WIRES WITH CABLE TIES.



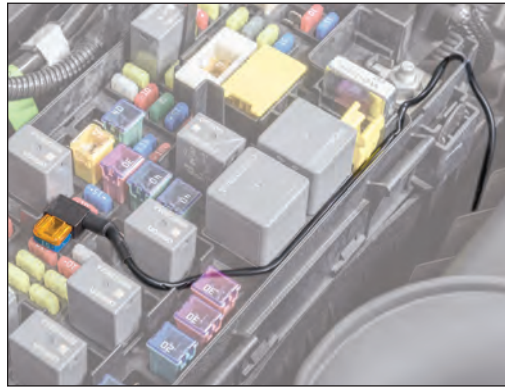
On JK vehicles: The fuse box is located under the hood on the right hand side of the engine compartment. Locate fuse panel lid and remove it.



Locate the 15 amp fuse in location M18.



Remove the 15 amp fuse and install it in the lower slot of the light bar harness fuse holder. The upper slot should have a 5 amp fuse pre-installed in it.



Install the fuse holder back into the M18 fuse location in your fuse box. Route the wire as show and replace the fuse lid. Be careful not to pinch the wire.



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## Vehicle Specific Wiring: TJ Vehicles

### **⚠ CAUTION ⚠**

**WHEN ROUTING ELECTRICAL WIRES, ALWAYS AVOID PINCHING WIRES. ALWAYS AVOID HOT OR MOVING COMPONENTS. ALWAYS SECURE WIRES WITH CABLE TIES.**



*On TJ vehicles: Snip off the fuse tap on the end of the accessory wire on your new lightbar. Route the wire under the hood along the fender wall to the pas-*



*senger front corner of the vehicle. Locate the wire loom behind headlight bucket and extract the black wire with yellow tracer stripe.*



*Install the supplied wire tap over the black wire with yellow tracer stripe. Install the cut end of the accessory wire into the other slot in the wire tap as shown. Using your pliers, gently*



*close and latch the cover wing of the wire tap to complete the circuit. For best weather resistance, wrap the wire tap with black electrical tape. (not shown)*



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**Lightbar Installation: Results**



**Normal Daytime Driving Mode (OK on-road)**



**Clearance Lights (OK on-road)**



**Clearance Lights with Off-Road Lights illuminated (Off Road only!)**



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# Quadratic® Exclusive Three Year Limited Warranty

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

This **Limited Warranty** is the only warranty made in connection with your purchase. Quadratic 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 Quadratic for which the Manufacturer provides a separate written warranty.

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This **Limited Warranty** is not assignable and shall terminate upon sale of the vehicle upon which the Quadratic 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. Quadratic 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 Quadratic **Limited Warranty** does not cover products or parts Quadratic 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 Quadratic inspection and at Quadratic'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 Quadratic 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 Quadratic nor any independent Quadratic 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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