



# K19-6009-0 Defender limit straps



## **INTRODUCTION**

### **PLEASE RETAIN THIS DOCUMENT FOR FUTURE REFERENCE**

If your ZBROZ® product has a damaged or missing part, please contact customer service directly and a new replacement part will be sent to you immediately.

For warranty issues, please return to the place of installation and contact ZBROZ®.

Business hours are Monday through Friday 8AM-5PM MST.

PHONE: (435) 753-7774

EMAIL: [customerservice@zbrozracing.com](mailto:customerservice@zbrozracing.com)

WEBSITE: [www.zbrozracing.com](http://www.zbrozracing.com)

### **LIMITED LIFETIME WARRANTY**

ZBROZ® will warranty to the original purchaser any failed ZBROZ® suspension product in the event of failure due to construction or material failure of the product. You will be required to contact ZBROZ® customer service with descriptions and photos that resulted in failure.

ZBROZ® builds suspension products to meet and exceed your expectations in quality, performance and durability. All ZBROZ® suspension products are rigorously tested during development and prototype parts are pushed to the limit by professional industry athletes, backcountry athletes and race teams. ZBROZ® Limited Lifetime Warranty excludes the following wear parts as these parts are considered defective when worn: Ball Joints, Bushings, Bump Stops, Tie Rod Ends, Heim Joints, Shock Absorbers Product purchased directly from ZBROZ® has a 90 day return policy on uninstalled products from the date of purchase (may be subject to restocking fee). Uninstalled product returns must be in the original ZBROZ® packaging. Please call (435) 753-7774 to get an RMA# for any return. Customer is responsible for shipping costs back to Zbroz Racing. Returns without RMA# will be refused. Contact ZBROZ® directly about any potentially defective parts prior to removal from vehicle.

ZBROZ® is NOT responsible for any subsequent damages to any related vehicle parts due to misuse, abuse, improper installation, or lack of maintenance. Furthermore, ZBROZ® reserves the right to change, modify or cancel this warranty without prior notice.

### **FOLLOW INSTRUCTIONS TO ENSURE PROPER INSTALLATION**

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**READ INSTRUCTIONS THOROUGHLY AND COMPLETELY BEFORE BEGINNING INSTALLATION. INSTALLATION BY A CERTIFIED PROFESSIONAL MECHANIC IS HIGHLY RECOMMENDED. ZBROZ® IS NOT RESPONSIBLE FOR ANY DAMAGE OR FAILURE RESULTING FROM IMPROPER INSTALLATION.**

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 **TOOLS:**

- 8mm Allen Wrench (1)
  - 15mm Socket (1)
  - 15mm End Wrench (1)
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**Step 1 — K19-6009-0 Defender limit straps**A warning sign graphic consisting of a black triangle with a white exclamation mark inside, followed by the word "WARNING" in large, bold, black capital letters on a white background.

- **MISUSE OF THIS PRODUCT COULD LEAD TO INJURY OR DEATH.** You should never operate your vehicle under the influence of alcohol or drugs. All raised vehicles have increased risk including blind spots; damage, injury and/or death can occur if these instructions are not followed.
- Suspension systems or components that enhance the on and off-road performance of your vehicle may cause it to handle differently than it did from the factory. Extreme care must be used to prevent loss of control or vehicle rollover during abrupt maneuvers.
- Always operate your vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Failure to drive safely may result in serious injury or death to driver and passengers. You should never operate your vehicle under the influence of alcohol or drugs.
- Driver and passengers must **ALWAYS** wear your seat belts, avoid quick sharp turns and other sudden maneuvers. ZBROZ® does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

- Constant maintenance is required to keep your vehicle safe. Thoroughly inspect your vehicle before and after every off-road use.
- It is the responsibility of the retailer and/or the installer to review all state and local laws, with the end user of this product, related to bumper height laws and the lifting of their vehicle before the purchase and installation of any ZBROZ® products.
- It is the responsibility of the driver to check their surrounding area for obstructions, people, and animals before moving the vehicle.

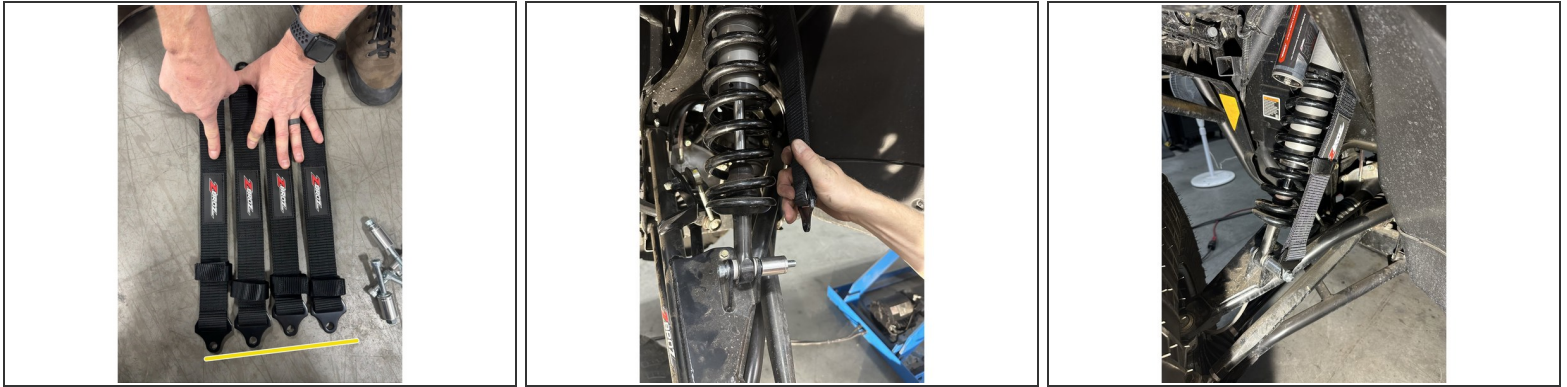
## Step 2



**WARNING**

- Use caution during all disassembly and assembly steps to insure not to cause damage to any vehicle components and parts included in this kit.
- Included instructions are guidelines only for recommended procedures and are not meant to be definitive. Installer is responsible to insure a safe and controllable vehicle after performing modifications.
- ZBROZ® recommends the use of an OE Service Manual for model/year of vehicle when disassembly and assembly of factory and related components.
- Unless otherwise specified, tighten all bolts and fasteners to standard torque specifications listed within the OE Service Manual.

### Step 3



- Lift front end of vehicle and remove tires.
- **i** **IMAGE 1** Identify the 2 longer straps. Those will be used on the front for the Can-am Defender. Shorter 2 will install on rear.
- Loosen upper shock mount bolt and replace with new provided bolt and washer. Bolt will install from front to back. Add spacer, washer then limit strap followed by nut. Torque to 60 ft lbs.
- Loosen and replace lower shock bolt with new provided bolt and washer. Bolt will install from front to back. Add spacer. Do not add nut at this time.
- Repeat steps on opposite side.
- **IMAGE 2** Now that both front upper mounts have been assembled and lower bolt is in place, replace tires onto vehicle and lower till bottom strap mount reaches new bolt and spacer.
- **i** May help to turn steering wheel to open up mounting location area.
- **IMAGE 3** Place strap mount onto bolt followed by washer and nut. Torque to 60 ft. lbs. Add velcro strap retainer near middle of spring through spring rung.

## Step 4 — Rear limit straps



- Lift rear of vehicle and remove tires.
- **IMAGE1** Loosen upper shock mount bolt and replace with new provided bolt and washer. Bolt will install from front to back. Add spacer, washer then limit strap followed by nut. Torque to 60 ft lbs.
- Loosen and remove lower shock mount bolt. **IMAGE2** In order to get new longer bolt into mount you will need to remove 2 lower hub bolts and lift hub for bolt to clear axle.
- **IMAGE3** Place new bolt and washer through mount front to back and place spacer onto bolt. Do not place nut on bolt yet.
- Repeat steps on opposite side.



## Step 5



- Replace tires on vehicle and lower down till strap mount lines up to bolt. Place strap mount onto bolt with washer and nut. Torque to 60 ft. lbs.
- Place velcro strap retainer through spring rung near middle of spring.

By installing this product, you acknowledge that the suspension of this vehicle has been modified. As a result, this vehicle may handle differently than that of factory-equipped vehicles. As with any vehicle, extreme care must be used to prevent loss of control or roll-over during sharp turns or abrupt maneuvers. Always wear seat belts, and drive safely, recognizing that reduced speeds and specialized driving techniques may be required. Failure to drive this vehicle safely may result in serious injury or death. Do not drive this vehicle unless you are familiar with its unique handling characteristics and are confident of your ability to maintain control under all driving conditions. Some modifications (and combinations of modifications) are not recommended and may not be permitted in your state. Consult your owner's manual, the instructions accompanying this product, and state laws before undertaking these modifications. You are responsible for the legality and safety of the vehicle you modify using these components.