

*Fortune Offroad cannot be held responsible for damage to suspension components, vehicle, or injury to persons. Warranty will become null and void if the instructions are not adhered to.*

*During storage and transportation, especially at higher temperatures, some oil and grease used during assembly may leak inside the package. This is not unusual and is in no way detrimental to the suspension components.*

- 1** Please study and make sure that you fully understand all of the instructions before handling this suspension. If you have any questions regarding proper installation procedures, contact Fortune Offroad or a qualified shop.
- 2** When installing Fortune Offroad's product, wearing gloves is highly recommended to avoid risk of hand injury.
- 3** The top hat used w/ this shock must be the original Fortune Offroad component.
- 4** Fortune Offroad suspension components and tools are not to be used with suspension from other brands and vice versa.
- 5** Fortune Offroad will not take any liability for damage to the shock or accidents that are caused by components made by other manufacturers being used with this shock. Be sure to observe local vehicle regulations concerning aftermarket suspension components.
- 6** Fortune Offroad will not be held liable for any violation against local vehicle regulations or laws.
- 7** Make sure that all components are torqued to the correct specifications and that there are no oil leaks.
- 8** Make sure nothing is fouling or restricting movement of the suspension.

## **TORQUE SPECS**

Use OEM vehicle Torque Specs for all bolts attached to the Chassis  
10mm Hex Bolt on Upper Damper Mount: 40 ft lb  
3mm Hex Set Screw on Spring Perch: Hand snug - Do not overtighten!

## **KIT CONTENTS**

*Before installing the suspension components, please check the contents of the kit. If anything is missing, contact Fortune Offroad.*

**SPANNER WRENCH**  
**2MM ALLEN KEY**  
**3MM ALLEN KEY**

**FORTUNE OFFROAD STICKERS**  
**LICENSE PLATE FRAME**

**[WWW.FORTUNE-OFFROAD.COM](http://WWW.FORTUNE-OFFROAD.COM)**

## DAMPING ADJUSTMENT

Fortune Offroad Suspension has 22 clicks of rebound adjustment. Be careful not to force the knob past the physical limits as this will cause damage to the damper.

*On occasion, some shocks may have 22-24 clicks. This does not have any negative affect on functionality and still allows the same range of adjustment.*

When you receive your coilovers, the rebound adjustment will be preset to the default setting of 5 clicks from soft.



### REBOUND ADJUSTMENT

On most applications, the front knob which is used to adjust rebound is located on the lower mount of the shock while the rear knob is located on the top of the shock. Rebound is the extending force exerted on the shock after being compressed by a bump or body roll from weight transfer and controls the motion of the vehicle's sprung weight. Use rebound to control handling balance.

## MINIMUM PRELOAD SETTINGS

Having the correct preload tension on the front shocks is imperative. Preload tension prevents spring bind and spring noise.

**FRONT:** 1/8" PRELOAD

Just enough to keep tension to keep the spring from moving or vibrating.

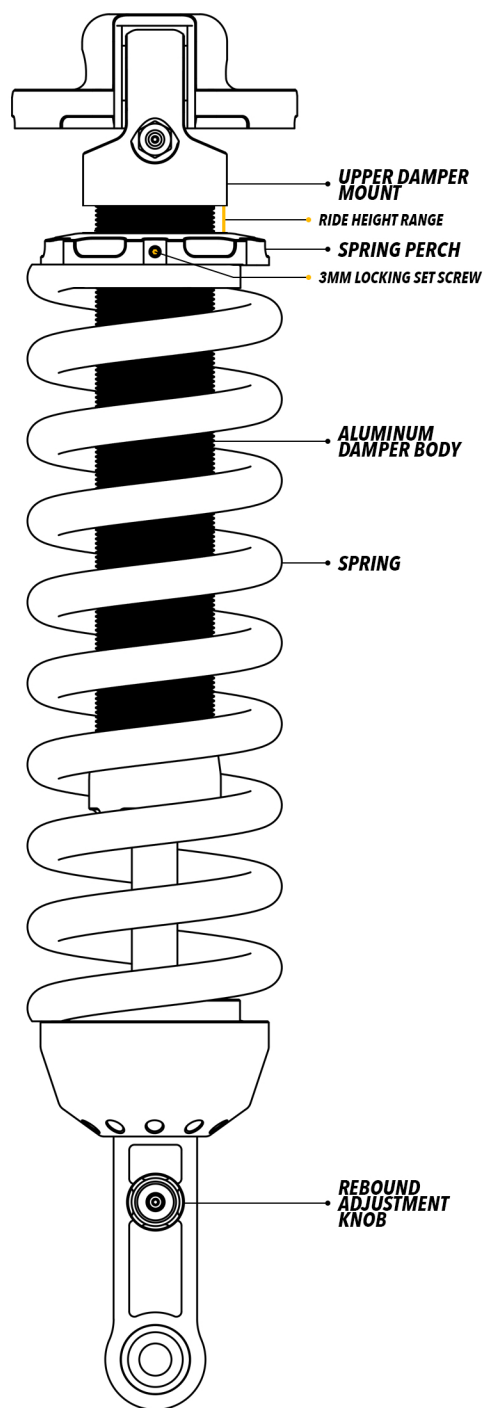
## RIDE HEIGHT ADJUSTMENT

Before adjusting the front ride height of your vehicle using Fortune Offroad suspension, please refer to the table in the linked QR code for vehicle-specific adjustment ranges.

Fortune Offroad Front Lift-Leveling Table			
Vehicle:	Change in spring perch height (in)	Change in hub-to-fender height (in)	Motion Ratio (Spring to wheel)
4th gen 4Runner	1	1 5/8	0.62
5th gen 4Runner	1	2	0.51

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## RIDE HEIGHT ADJUSTMENT



Fortune Offroad suspension uses spring perch height to determine ride height. Threading the spring perch away from the upper damper mount will raise the ride height, and threading the spring perch toward the upper damper mount will lower the ride height.

Out of the box, your spring perches will be set to their lowest setting, which in most cases will be similar to the OEM front ride height. Once you know how much you want to adjust the ride height, lift the front of the vehicle in the air and remove the wheels. *Fortune Offroad suspension uses aluminum damper bodies for weight savings and corrosion resistance, but this means that if you attempt to adjust the spring perch without removing spring tension, the threads on the damper body can be come damaged.* To adjust the ride height, fully remove the assembly from the vehicle and place it on a spring compressor to relieve the spring tension.

Then, measuring from the edge of the upper damper mount to the top of the spring perch, adjust the spring perch the desired amount. To secure the spring perch, use the supplied 3mm allen key to turn the set screw in the side.

Carefully release the spring tension and reinstall the assembly onto the vehicle. If you have access to a portable spring compressor that will relieve tension from the spring perch while the assembly is installed on the vehicle, you may use and skip the removal step.

# MAINTENANCE

## RECOMMENDED SERVICE INTERVALS



**100% STREET USE**

Rebuild every 50,000 miles.



**50% STREET / 50% OFFROAD**

Rebuild every 10,000 to 30,000 miles.



**100% OFFROAD USE**

Rebuild every 1,000 to 5,000 miles.

- 1 Inspect and clean out dirt or small pebbles that may get wedged between the spring perches as well as the threads of the shock body to avoid potential damage.
- 2 Salt/snow mixtures can be detrimental to all metal surfaces. After driving through salt/snow environments, be sure to thoroughly clean your suspension using a mild soap, water, and a brush.
- 3 Fortune Auto offers in-house rebuild services in Virginia, USA. You can rebuild, re-valve, and upgrade your current suspension system with a quick turnaround time. For more information, visit [www.fortune-auto.com/service](http://www.fortune-auto.com/service).

## **PRODUCT WARRANTY**

Fortune Offroad products are covered by a 1 year limited manufacturers (non-transferable) warranty (from purchase date). This limited warranty covers parts and products that are only used in off road use. This limited warranty covers hard parts such as mounts and shock bodies. It also covers consumable parts such as seals, shafts, fluids and leaking shocks. This warranty is limited to the United States and Canada. Fortune Offroad parts are covered, however, shipping and shop labor (if used) are not covered.

Fortune Offroad hard parts are defined as: Lower Mounts, Locking Collars, Spring Perches, Spring Gaskets, Top Hats, and Hardware such as studs and bolts. All hard parts carry a 1 year limited warranty on Fortune Offroad shock absorbers.

Fortune Offroad consumable parts are defined as: Pillow balls, Piston Shafts, Jetting Assemblies, Shaft Seals, O-ring Seals, Shock Absorber Internals, Springs, Shock Absorber Oil, Shock Absorber Fluid & Gas Leaks. All consumable parts carry a 1 year limited warranty on Fortune Offroad shock absorbers.

Fortune Offroad warrants its products to the original retail purchaser against defects in workmanship and material.

The warranty does not apply to the following:

- 1** Any products not purchased through authorized Fortune Offroad North American dealers.
- 2** Any products that show abuse, improper installation or collision.
- 3** Any products that have been altered in any way.
- 4** Any products that are not professionally installed.
- 5** Any products that show normal corrosion wear and tear.
- 6** Any products that have other manufacturer's parts retrofitted to them.

## **TERMS**

- 1** Prices, products and applications are subject to change without notice.
- 2** Claims for missing or damaged goods must be made within 5 days after receipt.
- 3** Any failure or delay in shipment or delivery caused by lack or failure of transportation, delay in shipping, breakdowns, accidents, strikes, flood, or any cause beyond our control, shall not constitute breach of contract, nor shall any damages attach to such failure or delay.
- 4** Shipping deadline is 12:00 PM EST for all Ground Shipping and 4:00 PM EST for overnight shipping, all orders received after our deadline will ship the next business day. No delivery or shipping on weekends or holidays. Saturday deliveries will be priority overnight plus extra fee for Saturday delivery.
- 5** Shipping charges are not refundable.
- 6** These instructions indicate acceptance of all terms and conditions.

## **WARNING**

### **OFFROADING CAN BE DANGEROUS AND INVOLVE INJURY OR DEATH.**

Purchaser of any Fortune Offroad products expressly ASSUMES THE RISK of all personal, property and economic injury, death, damage or loss, either direct or indirect, arising from the use and misuse of Fortune Offroad products in all environments including overlanding, offroading, on high way use, street use, and conventional passenger vehicle use.

## **RETURNS**

Fortune Offroad takes great pride in our products and the quality. In the unlikely event that you should encounter difficulty with a product or a defect is suspected, you are encouraged to first speak with Fortune Offroad. In the event that the product needs to be returned to Fortune Offroad, you will need to fill out our Warranty & Service form. This form must be included with all returned goods.

- 1** No returns or exchanges on used/installed Fortune Offroad products.
- 2** All warranty returns must have a Warranty & Service form accompanying the returned goods.
- 3** Shipping charges to and Fortune Offroad North America are the responsibility of the customer. Additional charges for expedited shipment are the responsibility of the customer.
- 4** Fortune Offroad products can be returned within 14 days of receipt of shipment.
- 5** Returns will require a 25% restocking fee based on the MSRP price of the order as advertised by Fortune Offroad North America. For all custom orders, the restocking fee will be 50%.