



USER GUIDE

Instructions for Fortune Auto Performance Suspension

Before installation, please read these instructions carefully for ultimate performance and safety.



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



WARNING!

1. Please study and make sure that you fully understand all the instructions and the user's brochure before handling this suspension kit. If you have any questions regarding proper installation procedures, contact Fortune Auto or a qualified shop.
2. When installing Fortune Auto's product, the operator shall wear gloves to avoid the risk of hand injury.
3. The top hat used in this shock must be Fortune Auto's original component.
4. Fortune Auto suspension components and tools should not be used with other brands of suspension.
5. Fortune Auto shall not take any liability for damage to the shock or accidents that are caused by other brand components being used with this shock. Be sure to observe local relevant vehicle regulations about usage of adjustable shock absorbers.
6. Fortune Auto shall not be held liable for any violation against local vehicle regulations or laws.
7. According to the installation instructions, avoid rough road surfaces.
8. Make sure that no components are loose and that oil is not leaking.
9. Tighten up all components with specified torque regularly.
10. When a suitable height is determined, it should be tested and calibrated.



NOTE!

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

KIT CONTENTS

Spanner Wrenches (2)

2mm Allen Key (for adjustment knob removal/installation)

5mm Allen Key (included in applications with front camber plates)

Fortune Auto Sticker



NOTE!

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

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DAMPING ADJUSTMENT

When the product is delivered from the factory, the dampers are set at full soft for 500 series coilovers, and full stiff for 510 series coilovers.



WARNING!

Use 1~24 steps of adjustment, exceeding 24 may cause damage to the damper.



NOTE!

Make sure that all bolts are tightened to the correct torque spec and that nothing fouls or restricts movement of the shock absorber when the suspension is being fully compressed or extended.

PRELOAD SETTINGS

Having the correct preload tension on the front shocks is imperative. Preload tension prevents spring bind or spring noises: $\frac{1}{4}$ inch of preload (compression) is required on the front springs. To achieve $\frac{1}{4}$ of preload measure the springs uncompressed. Most applications use front springs that are 7 or 6 inches long. For example after the preload is set on an 7-inch spring, the new total length should be $6\frac{3}{4}$ inches. Rear preload should be set snug to the spring perch, and should not exceed $\frac{1}{8}$ of an inch.



NOTE!

If you are still experiencing noise at low speeds while turning, please look into purchasing our Radial Bearing Mount upgrade. This upgrade utilizes a sealed radial bearing pressed into our upper spring perch, which allows lower mount and spring to spin freely and independently of the top hat.

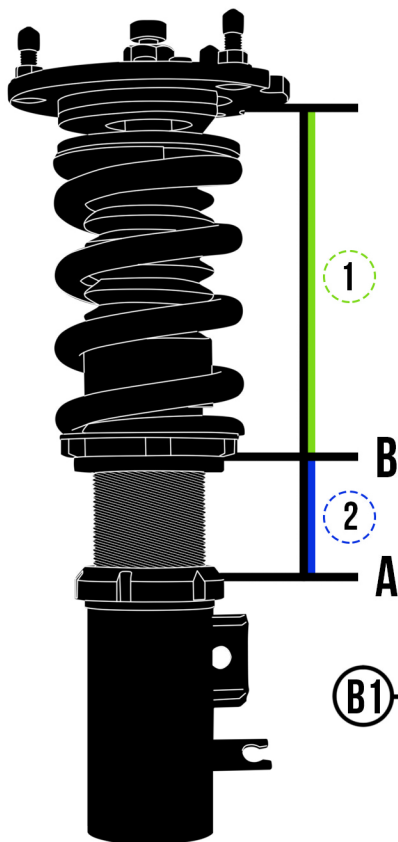


Applications with rear divorced spring setups have the spring mounted on a separate adjustable spring perch. Setting the proper spring pre-load on a divorced spring setup is achieved by setting the ride height with the rear spring and spring perch assembly first. Once the ride height is set with the spring, the shock should be extended so that there is no slack and the spring is pre-loaded exactly to the shock length.

RIDE HEIGHT ADJUSTMENT

- Double wishbone suspension: make sure to leave at least 25mm of threaded body inside the lower mount for safety. Mcpherson suspension: make sure to leave 50mm of threaded body inside the lower mount for safety.
- Please ensure the lower locking collar is tightened before driving.

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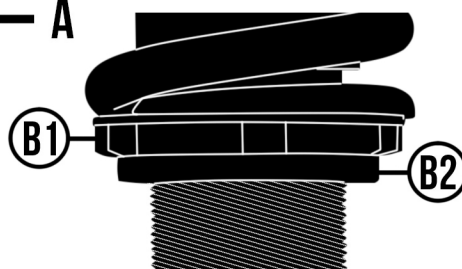


ALWAYS adjust the coil over height from the lower shock mount labeled (A), not from spring seat labeled (B). By doing this, you will not tamper with the suspension travel.

You can adjust the position of the bracket after you install the system on the car. The measurement that you take on the coilover is not necessarily going to apply to the height of the vehicle.

After you finish, make sure to tighten the bottom bracket lock nut (A) before you lower the vehicle from the jack.

You may need to repeat these steps a few times until you achieve desired height



At any height, the distance of (1) must always be equal when adjusting the vehicle height. The best way to fine tune your suspension damping is usually the trial and error method, since comfort level is relative to the vehicle's driver.

MOUNTING INSTRUCTIONS

Lift the car so the front wheels are clear of the ground. Make sure it's steadily fixed so it will not fall down.



1. *It's advisable to have a qualified person fit your shock absorber.*
2. *Instructions in the vehicle service manual are to be followed when changing the shock absorber.*
3. *When working on a lifted vehicle, it must be securely supported to prevent it from falling.*

1. The shock absorber will be coated with a lubricant at the factory to protect against rusting, which isn't leaked fluid.
2. After the height is adjusted, be sure that the locking ring has been tightened.
3. Dirt or small pebbles may attach to the spring perches, as well as the threads of the shock body, which may also cause damage if not cleaned.

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IMPORTANT



IMPORTANT!

Do not use the adjustment wrench to lock the lower bracket, it is only used to adjust the ride height. If the lower bracket is tightened by the adjustment wrench it **WILL COME LOOSE!**

Use a screwdriver and hammer to lock the locking collars (spring perch & lower collar), as shown in the picture below.



WARNING!

- All Fortune Auto coilovers are for off road use only and may never be installed on vehicles that will be driven on a public road or highway.
- Fortune Auto's products should not be used in vehicles operating on public, federal or state roadways and highways.
- Vehicles with this product running on normal highways may cause damage or violate local regulations. The purchasers shall bear full liability for the component installation.
- All components must be installed by certified professional technicians.
- Fortune Auto will hold no liability for any damage or death caused directly or indirectly from this product.
- Fortune Auto will hold no liability for any installation error, including errors due to faulty installation.



NOTE!

Fortune Auto's products are subject to continual improvement and development. Consequently, although these instructions include the most up-to-date information available at the time of printing, there may be minor differences between your suspension and this manual. Please consult with Fortune Auto if you have any questions.



PRODUCT WARRANTY

All Fortune Auto coilovers and products are for off road use or motorsports use **ONLY**, and may never be installed on vehicles that will be driven on a public road or highway.

Fortune Auto North American 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 or motor-sport environments. 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. Parts and labor are covered however shipping is not covered.

Generation 4 products are covered by a 5 year limited manufacturers (non-transferable) warranty limited to the United States and Canada. This limited warranty covers hard parts such as mounts, top hats, camber plates and shock bodies for 5 years from the purchase date. It also covers consumable parts such as seals, shafts, fluids, pillow ball mounts and leaking shocks 1 year from the purchase date. Parts and labor are covered however shipping is not covered.

Generation 4 hard parts are defined as: Lower Mounts, Locking Collars, Spring Seats, Spring Gaskets, Top Hats or Camber Plates and Hardware such as studs and bolts. All hard parts carry a 5 year limited warranty on Generation 4 shock absorbers.

Generation 4 consumable parts are defined as: Pillow balls, Piston Shafts, Jetting Assemblies, Shaft Seals, O-ring Seals, Shock Absorber Internals, Shock Absorber Oil, Shock Absorber Fluid & Gas Leaks. All consumable parts carry a 1 year limited warranty on Generation 4 shock absorbers. Fortune Auto North America warrants its products to the original retail purchaser against defects in workmanship and material.

The warranty does not apply to the following:

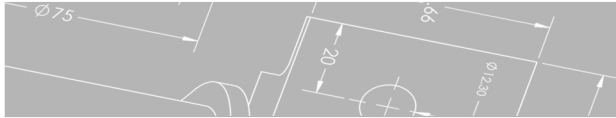
1. *Any products not purchased through authorized Fortune Auto North American dealers.*
2. *Any products that show abuse, improper installation or collision.*
3. *Any products that are used on public roads, highways, government maintained roads or non motorsport conditions.*
4. *Any products that have been altered in any way.*
5. *Any products that are not professionally installed.*

Prices & products are subject to change without notice.

Claims for missing or damaged goods must be made within 5 days after receipt.

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.

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WARNING MOTORSPORT CAN BE DANGEROUS AND INVOLVE INJURY OR DEATH.

All Fortune Auto coilovers and products are for off road use or Motorsports use **ONLY**, and may never be installed on vehicles that will be driven on a public road or highway.

MOTORSPORTS for the purposes of this disclaimer are classified as any automobile activity that takes place off of a public highway in a competitive or timed racing environment (race track). Fortune Auto products are expressly sold for racing and off-road use and are not intended to be used in conventional passenger or other legal highway applications. Purchaser of any Fortune Auto 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 Auto products in all environments including, racing, motorsports, timed motorsport events, on high way use, street use and conventional passenger vehicle use.

RETURNS

Fortune Auto 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 Auto. In the event that the product needs to be returned to Fortune Auto, you will need to fill out our Warranty & Service form. This form must with all returned goods. All warranty returns must have a Warranty & Service form accompanying the returned goods. Shipping charges to and from Fortune Auto North America are the responsibility of the customer.

Additional charges for expedited shipment are the responsibility of the customer.