



USER GUIDE

A GUIDE TO RIACTION COILOVER SETUP
FOR OPTIMAL PERFORMANCE AND SAFETY.

*Please read these instructions carefully
and contact us at info@five8industries.com
for any other questions.*





INTRODUCTION

1. Thanks for purchasing our Riaction performance coilovers.
2. Please read the instructions carefully before starting installation.
3. Riaction products come with a 2-year factory warranty. (Please check in the box for the warranty card.)
4. Failure to follow these installation instructions may result in damage to your vehicle in which Riaction USA is not responsible for.

KIT CONTENTS

1. Spanner wrenches (2)
2. Warranty card
3. License Plate Frame
4. Riaction stickers
5. User guide (The one you are currently reading.)

Please check contents of the kit before installation. If anything has been found missing, contact RiactionUSA for assistance. These shocks have been designed to replace factory shock absorbers.
Dampers and shocks will not match stock settings

DISCLAIMER:

REACTION USA IS NOT RESPONSIBLE FOR ANY VEHICLE ACCIDENTS, DRIVER ERRORS, OR INCIDENTS INCURRED WHILE DRIVING WITH REACTION USA BRAND COILOVERS INSTALLED. CUSTOMER WILL ASSUME RESPONSIBILITY THAT PRODUCTS ARE INSTALLED PROPERLY, AND INSPECTED BEFORE USE.

- Avoid excessively lowering the vehicle. Doing so can lead to suspension failure, damage to vehicle underside and damages to fenders.
- Customer must follow all local laws and regulations during installation. Customers are assumed to have read the above product disclaimer prior to purchase and installation of product. Be sure to observe local vehicle regulations about modified suspension components such as adjustable shock absorbers. RiactionUSA is not held liable to any violations to vehicle regulations or laws.
- Be sure to test drive the vehicle after installation. Be sure to also double check any bolts associated components.
- During storage and transportation, some oil and assembly grease may run out inside the packaging, this is normal and is in no way a sign of a defective product.
- When installing the product, operator is to insure vehicle is safely raised for ease of installation.
- Operator shall wear gloves to avoid the risk of hand injury during installation.
- All Riaction USA brand coilovers are intended for OFF-ROAD usage only.
- Make sure there are no oil leakage coming from the coilover assembly.
- Installation should only be performed by an experienced installer.

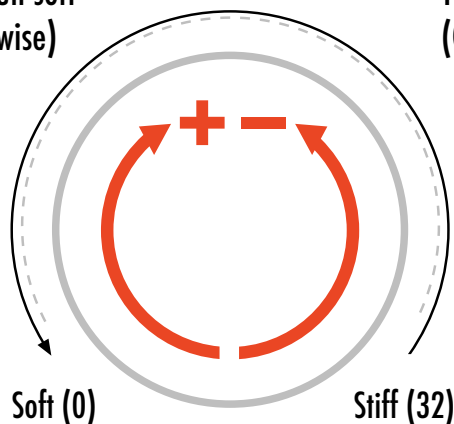
DAMPER ADJUSTMENT

The dampers are set at full soft when delivered directly from RiactionUSA HQ.

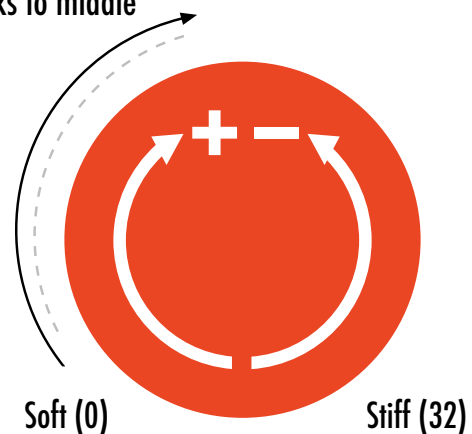
Single adjustable Riaction dampers come standard with 32 levels of adjustment.

If this is your first time adjusting your coilover we recommend starting out at "0" setting. Turn the adjustment knob counter-clockwise until it stops, this is your full soft setting (Ex.A). Now, turn back 16 clicks from full soft, this is your middle section of the damper adjustment setting (Ex.B). You can now adjust 2 clicks at a time to adjust to your personal preference for street driving.

Example A
Damp Knob (TOP VIEW)
Turn knob to full soft
(Counter-clockwise)



Example B
Damp Knob (TOP VIEW)
Turn 16 clicks to middle
(Clockwise)



We also recommend starting out at 0 setting even for track driving and adjusting 2 clicks at a time. If the vehicle tends to understeer into corners, you can increase the damping force in the rears and decrease damping on the fronts. If the vehicle is oversteering into corners, you can increase damping force in the fronts and decrease in the rears. This is a very basic way to tune your suspension.

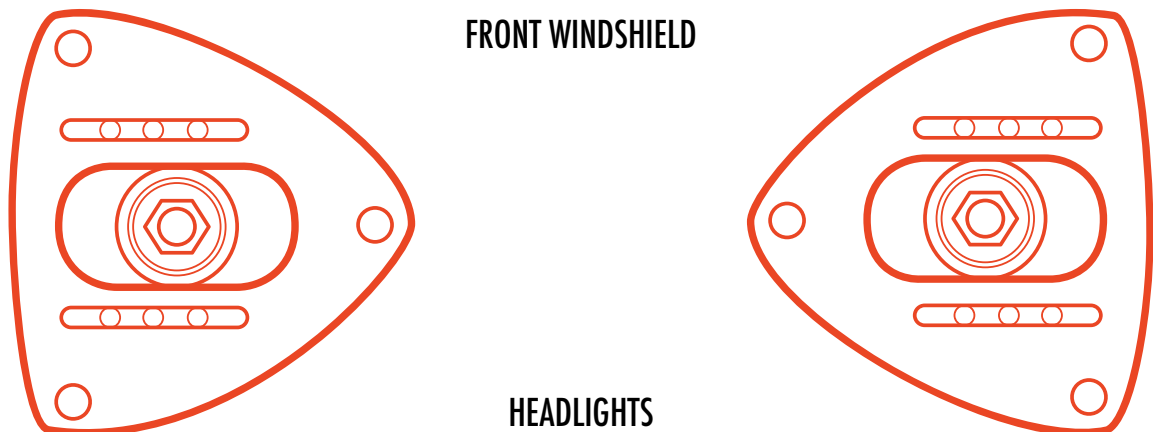
*YOU CAN ALSO USE RIDE HEIGHT, CHASSIS BALANCE, TIRE PRESSURE, TIRE COMPOUND AND AERODYNAMICS TO TUNE YOUR VEHICLE FOR PERSONAL DRIVING CHARACTERISTICS.

CAMBER ADJUSTMENT

Camber Adjustment (If you have Camber Plates)

1. Make sure your camber plates are installed like (Ex.A)
The camber plate adjustment direction must be perpendicular to the driving direction.
2. To adjust the camber angle, loosen the Allen screws on the top plate, slide the camber plate to the desired position and tighten the Allen screws back.
3. Use the same camber angle on each side of the vehicle.
4. To avoid tire wear, doing an alignment job is necessary.
Visit a garage that specializes in alignment to get your car aligned.

Example A
CAMBER PLATES (TOP VIEW)

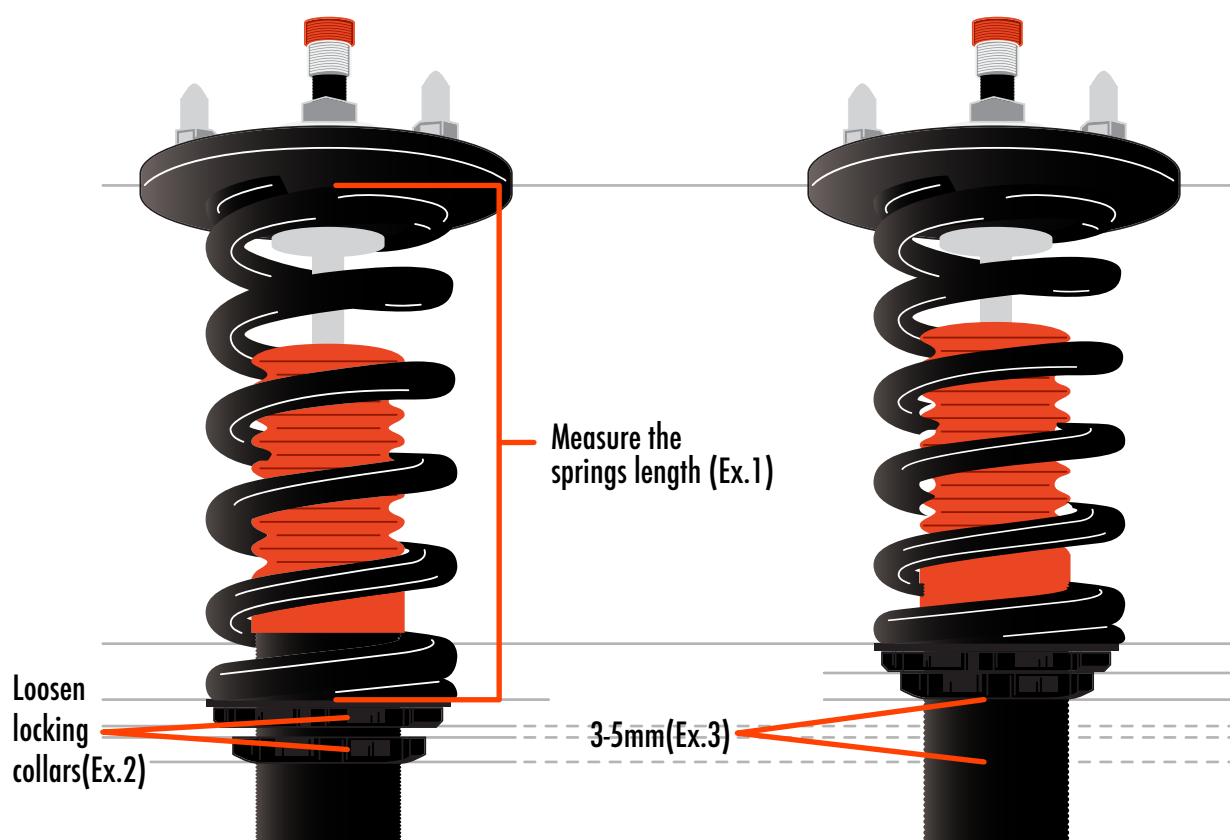


IMPORTANT :

- *LUBRICATE THE PILLOW-BALLS WITH PENETRATING OIL WHEN CONVENIENT TO INSURE LONGEVITY .
- *MAKE SURE THE NUTS ON THE TOP PLATE ARE TIGHTENED CORRECTLY BEFORE DRIVING YOUR CAR.
- *THE CAMBER PLATE SLIDING DIRECTION AND THE DRIVING DIRECTION MUST BE PERPENDICULAR.

PRELOAD SETTINGS

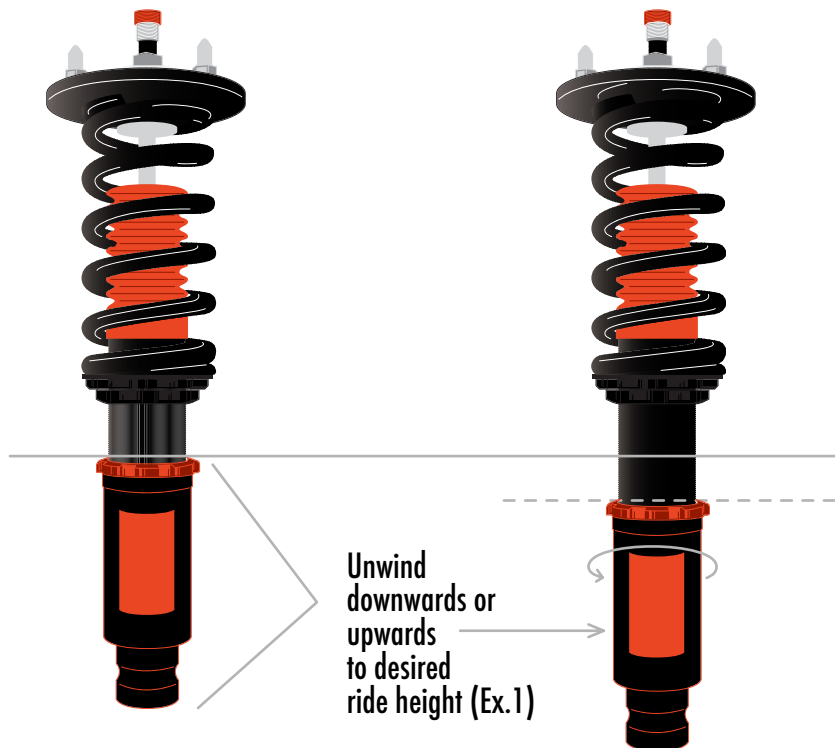
Riaction coilovers are sent out with the spring snug and not pre-loaded. To pre-load the coilover, you must first measure out the natural spring length (Ex.1). From there, you will then loosen the (2) locking collars directly under the spring (Ex.2). Once loosened, you will tighten up the spring tension by 3-5mm's (Ex.3).



Vehicles utilizing a rear divorced spring setup will have the spring mounted on a separate adjustable spring perch with the rear shock having independent adjustments. To properly adjust rear spring preload, you must adjust the height from the rear spring perch assembly first. Once ride height has been set and you are satisfied with the current stance of your vehicle, you will then adjust the shock and either extend or shorten the assembly so that there is no slack/excess movement from the rear spring. Now, the spring should be preloaded exactly to the shock length. Having the correct preload tension for the coilover assembly is very important. The correct preload will prevent spring bind or spring noises and will also allow proper shock travel within the coilover assembly.

HEIGHT ADJUSTMENTS

Coilover adjustment must be done at the lower mount of the assembly for both double wishbone and Macpherson assemblies (Ex.1). The spring collars will only be used to adjust preload. This rule applies for these suspension assemblies.



Divorced spring setup will rely on spring perch collars for height adjustment.

Double wishbone - To raise the vehicle at the highest setting, please ensure that there is at least 25mm of threaded shock body inside the lower mount to insure safety.

MacPherson - To raise the vehicle at the highest setting, please ensure that there is at least 50mm of threaded shock body inside the lower mount to insure safety.

IMPORTANT:

*ONCE PRELOAD, HEIGHT AND INSTALLATION HAS BEEN FINISHED. DO NOT USE THE ADJUSTMENT WRENCHES TO LOCK COLLARS TO THE LOWER MOUNTS OR SPRING PRELOAD. DOING SO WITH THE ADJUSTMENT WRENCH WILL PUT THE COILOVERS AT RISK OF COMING LOOSE.

*PLEASE USE A FLAT HEAD SCREWDRIVER OR METAL PUNCH AND A HAMMER TO LOCK THE COLLARS IN PLACE.



WARRANTY TERMS

All Products covered under warranty must be purchased NEW.

Warranty is not transferable between owners.

Riaction USA warranty will only cover parts found to be defective due to workmanship or manufacturer defects.

Riaction USA warranty will not cover parts that are worn from normal wear and tear, neglect, or modified use.

Riaction USA warranty will not cover parts that were applied to vehicles other than the intended vehicle application listed for the product style.

Riaction USA warranty will not cover parts that have been modified, customized, painted, dented, rusted or damaged due to installation, or improper adjustment/tuning.

Riaction USA warranty will not cover parts that make noise.

This includes but not limited to: squeaks, creaks, clunks.

Excessive lowering of vehicle and/or modifications outside the scope of approved product application will not be covered under warranty.

Riaction USA reserves the right to reject any warranty claims due to unsatisfactory claim, fraudulent parts, distressed parts, or parts not purchased through an authorized Riaction USA distributor.

RETURNS

We at RiactionUSA want to insure you are satisfied with our product. In the unlikely event that you should encounter issues with our product or a defect is suspected, we encourage you to first contact RiactionUSA directly. In the event that the product needs to be returned, we advise speaking with the dealer whom the product was purchased from. If the product was purchased directly from RiactionUSA, please fill out an RMA request on our website.