



MSS FRONT & REAR ADJUSTABLE KIT INFORMATION

for VAG Vehicles

TO BE USED FOR REFERENCE ONLY. FOR FULL INSTALL INSTRUCTIONS, REFER TO THE VAG WORKSHOP REPAIR GUIDE.

IMPORTANT NOTICES AND NOTES:

This document is in two parts with Part 1 dedicated to the MSS Adjustable Front Kits and the Part 2 dedicated to the MSS Adjustable Rear Kit. The guide should be used as reference only and at all times the reader must refer to the VAG Workshop Repair Guide for instructions on part(s) removal or installation.

- 1) We strongly recommend that you have your MSS Adjustable Front or Rear kit installed by a qualified professional workshop.
- 2) Replace all nuts or bolts that are designed to lock; are visibly worn; are rusted or are damaged.
- 3) Always use factory recommended bolts or nuts for any part of this installation.

MSS KITS will not accept responsibilities for failing to comply with any of the recommendations noted above and in this install guide.

PART1 - FRONT ADJUSTABLE KITS

The install procedure of the MSS Adjustable Front Kit is the same as the MSS Standard front kit referenced in the appropriate MSS KITS VAG install guides - refer to the appropriate version for your vehicle platform.

MSS Adjustable Front Kit - What Is Shipped

Each kit comes with 2x adjusters; 2x springs - 4 parts in total (*as shown below*) compared to 2 parts with our non-adjustable standard front kit. Check that you have received all parts as listed.

MSS Front Adjusters



MSS Front Adjustable Spring



NOTE:

1 - We recommend that all nuts / fasteners removed are replaced with new ones for safety reasons. This recommendation is in line with what the original vehicle manufacturer recommends and takes precedence at all times in this install or supplementary notes/guides that we may include.

2 - Each full turn of the adjuster increases or decreases ride height by 3mm, half turn is 1.5mm and a third of a turn is 1mm.

VAG Front MacPherson Strut

The factory (OE) ribbed rubber protective part shown in the sample image below is there to stop debris entering inside the strut and must be re-used. It fits neatly inside our adjuster up to a lip we have machined inside the adjuster to ensure it stays inside and will not push out to the top.



Setting Initial Ride Height

We advice starting with the following ride height however individual preferences takes precedence over our recommendation...;

- 1) Audi TT MK2 (8J) all models - 343mm or 13.5" ride height and adjust the rear ride height to 5mm higher for a slight positive rake.
- 2) Audi A3 (8V) all models - 350mm or 13.78" ride height and adjust the rear ride height to 5mm higher for a slight positive rake.
- 3) VW Golf (MK5/MK6/MK7) all models - 350mm or 13.78" ride height and adjust the rear ride height to 5mm higher for a slight positive rake.



NOTE:

New springs will set to lower height once the springs have been used for a period of time. We normally advice that you allow 500 miles of driving to let the new springs to set. Alignment re-check and adjust as necessary is also advisable at this point.



Minimum vs. Maximum Adjuster Ride Height

The image below shows the Minimum (*to the left*) and Maximum (*to the right*) ride height achievable. When setting the adjuster to the Maximum (*to the right*) ride height, we advise that the thread showing in the middle section, as per the right side image below, DOES NOT exceed **30mm**.

At Minimum Ride Height- lowered **30mm**



At Maximum Ride Height- raised **30mm**



NOTE:

For safety reasons, it is important to adhere to the MAXIMUM **30mm** gap to ensure that one-third of the available thread is supporting the vehicle's corner weight. Failure to observe this notice may result in product failure and, or, injury.

MSSKITS Front Adjustable Kits



**Non-MQB
platforms**

**VAG MQB
platforms**

PART2 - REAR ADJUSTABLE KITS

The install procedure of the MSS Adjustable Front Kit is the same as the MSS Standard front kit referenced in the appropriate MSS KITS VAG install guides - refer to the appropriate version for your vehicle platform.

What Is Shipped

Each kit comes with 1x spanner; 2x Chamfered edged adjusters; 2x Rubber mats; 2x Orange springs (labelled - Streets; Sports; Track **Pack, 'LS'**); 2x Black Springs; 2x Chamfered edged spacers making 11 parts in total (*as shown below*). Upon receiving the kit, check that all 11 parts listed are in the box (**TIP:** some parts may be lodged inside the protective packaging, therefore a thorough search is recommended). Advise at the earliest opportunity of any missing parts by sending an email to info@msskits.com.

MSS Rear Adjuster and Rubber Mat



MSS Rear Adjuster Spanner



MSS Rear Springs and Spacer



NOTE:

1 - We recommend that all nuts / fasteners removed are replaced with new ones for safety reasons. This recommendation is in line with what the original vehicle manufacturer recommends and takes precedence at all times in this install or supplementary notes/guides that we may include.

2 - Each full turn of the adjuster increases or decreases ride height by 2mm, half turn is 1mm and a third of a turn is 0.67mm.

MSS Rear Adjuster Spanner

The spanner is useful for adjusting the rear ride height with minimal effort.

TIP: Taking load off the spring with the use of a spring compressor (*not included and safety must be observed*) makes adjustment easier.



NOTE:

Both left and right side of the vehicle rear axle MUST be off the ground supported on an axle stand to take weight away from the suspension so that the adjuster threads are not damaged. Failure to do so will cause damage to the thread of the adjuster and void the parts Lifetime Warranty. Replacement adjuster parts are sold in pairs ONLY - visit <http://msskits.com/product-category/parts-upgrades> for parts.

Setting Initial Ride Height

We recommend starting with the following rear ride height or set to +5mm higher than the front ride height that should have been set already...;

- 1) Audi TT MK2 (8J) all models - 350mm or 13.78" ride height *(alternatively set to +5mm higher than the front ride height)*
- 2) Audi A3 (8P/8V) all models - 350mm or 13.78" ride height *(alternatively set to +5mm higher than the front ride height)*
- 3) VW Golf (MK5/MK6/MK7) all models - 350mm or 13.78" ride height *(alternatively set to +5mm higher than the front ride height)*
- 4) VW Scirocco MK3 all models - 352mm or 13.86" ride height *(alternatively set to +5mm higher than the front ride height)*



NOTE:

New springs will set to lower height once the springs have been used for a period of time. We normally advice that you allow 500 miles of driving to let the springs to set. Alignment re-check and adjust as necessary is also advisable at this point.

Minimum vs. Maximum Rear Adjuster Ride Height

The image below shows the Minimum (*to the left*) and Maximum (*to the right*) ride height achievable. When setting the adjuster to the Maximum (*to the right*) ride height, we advise that the thread showing in the middle section, as per the right side image below, DOES NOT exceed **30mm**.

At Minimum Ride Height- lowered **30mm**



At Maximum Ride Height - raised **30mm**



NOTE:

For safety reasons, it is important to adhere to the MAXIMUM **30mm** gap to ensure that one-third of the available thread is supporting the vehicle's corner weight. Failure to observe this notice may result in product failure and, or, injury.

MSS Adjustable Rear Kit

