



CONTROL IS EVERYTHING

# MSS Install Guide

Supplied for the Ford Mustang -  
Electronic Dampers & Non Electronic Dampers



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## INTRODUCTION

This guide is intended for use with MSS Kit for the **Ford Mustang - Electronic Dampers & Non Electronic Dampers**

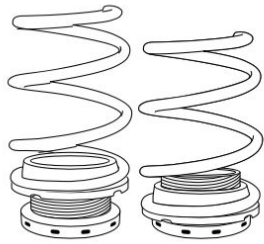
## PRE-INSTALL STEPS

Refer to pages 3 and 4 of the latest version of the 'MSS INFO for Installer' or email [support@mss.company](mailto:support@mss.company) for the latest copy, to measure the current ride height.

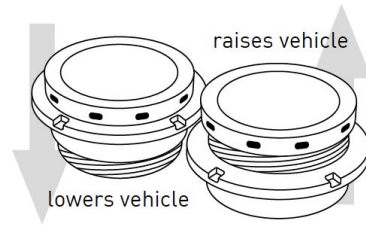
**Assembly Video Youtube Link.**

## FRONT AXLE INSTALL PARTS LIST

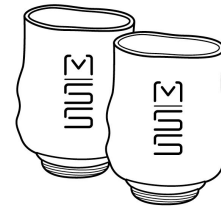
Before you start installing your new MSS Kit, check if all parts listed below have been supplied:



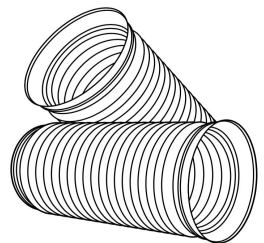
**2x Large diameter MSS orange MSS mqb220 springs-**  
these fit the larger adjusters



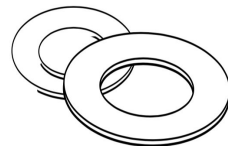
**2x Large adjusters -**



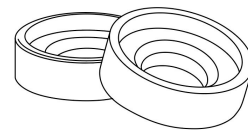
**2x OPTIONAL: Large protective sleeves -**  
these fit around the large adjusters



**2x MSS supplied replacement rubber dust boots**



**2x MSS Supplied Large rubber mats**  
To eliminate resonant road noise travelling through the system



**2x MSS Supplied Damper Caps**  
NOTE: Only for Electronic Dampers



## FRONT AXLE INSTALL PROCEDURE

This is best done with struts removed from the vehicle. Refer to the manufacturer's workshop manual for steps on how to safely remove the struts from the vehicle, remove and refit the springs and on the correct torque settings.

**Difficulty Level:** High

**Estimated Time:** 60 to 90 minutes per side, assuming the bolts are not seized.

1. Remove the OE springs. These will be replaced by the MSS front system supplied.
2. Remove and Replace the OE rubber dust boots. These will be re-placed with the MSS Supplied ones.
3. Keep the OE bump stop to re-use.
4. Fit the MSS supplied Large Rubber mat on the Base/Perch of the Shock Absorber Now fit the Large MSS Adjuster on top of the Rubber mat.
5. OPTIONAL: Fit the MSS protective sleeves over the adjuster for protection from dust.
6. Fit the MSS Supplied dust boots over the strut shaft to protect it from debris.
7. Next, fit the large MSS orange spring. MSS mqb220.
8. Fit the camberplate to the MSS spring and turn the MSS adjuster to take up any free play.
9. Secure the arrangement with the nut at the top of the camberplate.
10. Use a spring compressor to reduce spring height and help secure the arrangement.
11. Tighten to the correct torque with appropriate tools used to remove the camberplate.
12. Set the adjuster to the desired position. Later, you can always re-adjust as require

NOTE: It is best practice to set the adjuster to the desired height before installing on to vehicle

**40mm (1.57 inches) Open gap on the Front Adjuster will sit the vehicle at O.E height**

+/- 5mm depending on vehicle specification

**20mm (0.78 inch) Adjuster open gap will lower the vehicle's height 20mm (0.78 inch)**

+/- 5mm depending on vehicle specification

**0mm (0 inch) Adjuster totally closed will lower the vehicle's height 40mm (1.57 inch)**

+/- 5mm depending on vehicle specification

NOTE: MSS Supplied Damper Caps to Replace O.E caps If vehicle is fitted with Electronic Shock Absorbers ONLY.



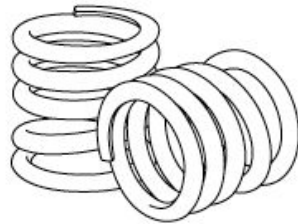
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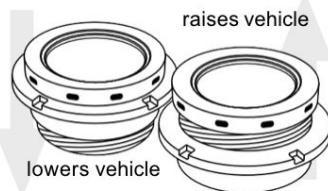
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## REAR AXLE INSTALL PARTS LIST

Before you start installing your new MSS Kit, check if all parts listed below have been supplied

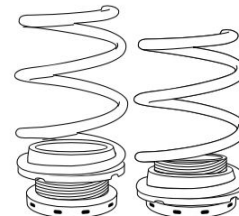


**2x Black MSS Springs** -  
these are common parts used for  
almost all our products

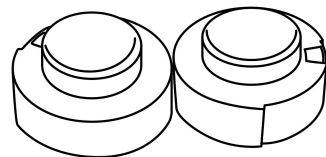


**2x Combined adjusters** -  
used to couple the black and  
orange spring

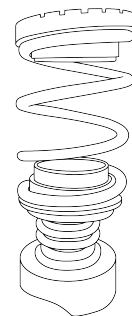
NOTE: These have a ridge inside  
the top opening where the MSS  
black spring fits in to



**2x Large diameter MSS  
orange springs** -  
MSS 205-1 x these fit the  
combined adjusters  
(Shown)



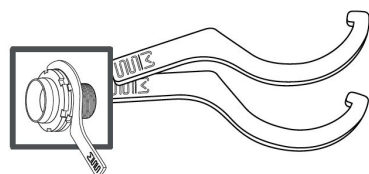
**2x MSS supplied PU seats** -  
to eliminate resonant road noise  
traveling through the system



**MSS Stacked Arrangement**



**2x OPTIONAL large  
protective sleeves** -  
these fit around the rear adjusters



**Adjuster spanners** -  
for both front and rear adjusters



## REAR AXLE INSTALL PROCEDURE

For the rear stacked arrangement, refer to the latest version of the 'MSS INFO for Installer' guide or email [support@mss.company](mailto:support@mss.company) for the latest copy.

**Difficulty level:** Medium

**Estimated Time:** 120 to 180 minutes per side, assuming the bolts are not seized.

1. Remove the OE springs and remove lower seats keep all other rubber and plastic OE parts for re-use.
2. Place the MSS PU seat in the lower suspension arm. These will be different if fitted with electronic dampers.
3. Now fit the black short spring on top of the MSS PU ensure they are centralised.
4. Place the MSS large adjuster on top of the black spring it will locate in the seat on the bottom side.
5. OPTIONAL: Fit the MSS protective sleeves over the adjuster and for dust protection.
6. If fitted with Electronic dampers you will be supplied x1 O.E rubber top mount to fit MSS Spring system.
7. Next fit large orange springs on to the adjuster seat. MSS 205-1.
8. Fit the MSS stacked arrangement back in place of the OE single form spring. Our stacked springs are a direct replacement for the factory single form springs.
9. Tighten the suspension parts that had been removed. Refer to the manufacturer's workshop manual for steps on how to safely remove the struts from the vehicle, remove and refit the springs and on the correct torque settings.

NOTE: It is best practice to set the adjuster to the desired height before installing on to vehicle

**40mm (1.57 inches) Open gap on the Front Adjuster will sit the vehicle at O.E height**

+/- 5mm depending on vehicle specification

**20mm (0.78 inch) Adjuster open gap will lower the vehicle's height 20mm (0.78 inch)**

+/- 5mm depending on vehicle specification

**0mm (0 inch) Adjuster totally closed will lower the vehicle's height 40mm (1.57 inch)**

+/- 5mm depending on vehicle specification

We recommend a 5mm positive rake

NOTE: Vehicles supplied with electronic dampers will be supplied with 2 types of P.U seats one for either side lower arm as these have different form factors. They will also be supplied with x1 rubber O.E top mount to fit with the MSS spring system.



# Triple Engineered Suspension for Ultimate Performance, Comfort & Safety

**MSS Support Team**

**Telephone:** +44 (0)20 3507 1973

*(select appropriate option when prompted)*

**Email:** [support@mss.company](mailto:support@mss.company)