



CONTROL IS EVERYTHING

MSS Install Guide

Supplied for the Mini Countryman





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Introduction

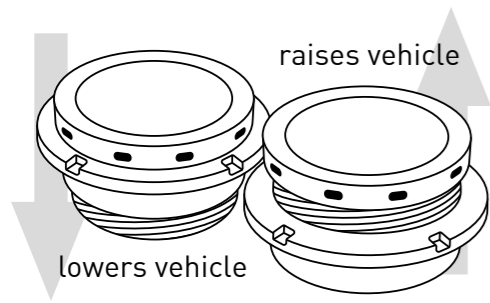
This short guide is intended for use with MSS Kit for **Mini Countryman**

Pre-install steps

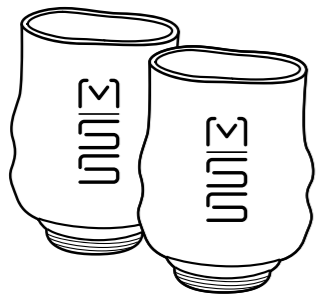
Refer to pages 3 and 4 of the latest version of the 'MSS INFO for Installer' or email support@mss.company for the latest copy, to measure the current ride height.

Front Axle Install Parts List

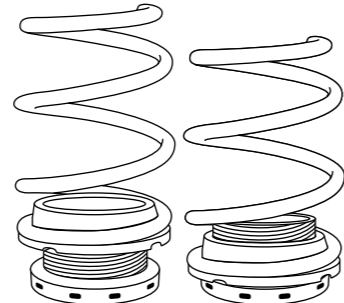
Before you start installing your new MSS Kit, check if all parts listed below have been supplied:



2x Large adjusters - these are the larger of the 2 sets



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



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



2x MSS PU seats - these sit on the shock absorber perch



2x MSS bump caps - these replace the O.E bump caps



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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: 90 to 120 minutes per side, assuming the bolts are not seized.

Installing your new MSS Kit is best undertaken by an experienced MINI workshop/engineer.

1. Remove the OE springs. These will be replaced by the MSS front system supplied.
2. Remove the OE rubber dust boots. Keep these as they will be used.
3. Remove the OE bump stop. This will be reused
4. Remove the O.E bump cap (the protective plastic around top of the shock absorber) this is replaced with MSS supplied.
5. Remove the bottom O.E rubber spring mount and replace with black MSS PU seat.
6. Sit the adjuster on the PU seat
OPTIONAL: Fit the MSS protective sleeves over the adjuster and bearing for dust protection.
7. Fit the grounded face of the MSS large spring flush to the adjuster seat and keep together.
8. Now fit the protective rubber boot over the strut shaft to protect it from debris, insert bumpstop.
9. Fit 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.

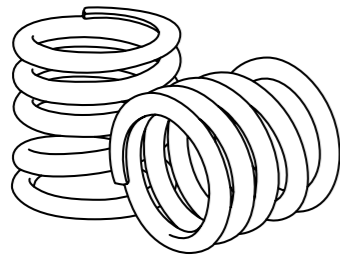
Set the adjuster to the desired position; you can always re-adjust as required.



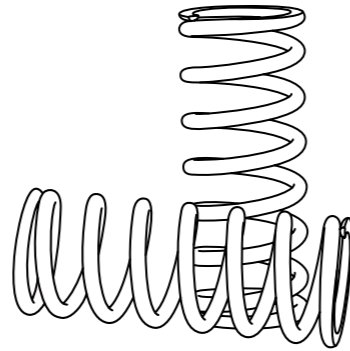
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Rear Axle Install Parts List

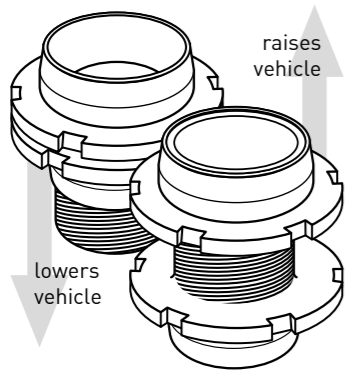
Before you start installing your new MSS Kit, check if all parts listed below have been supplied:



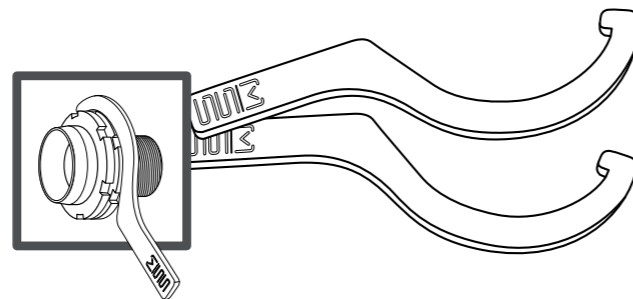
2x Black MSS springs - these are common parts used for almost all our products



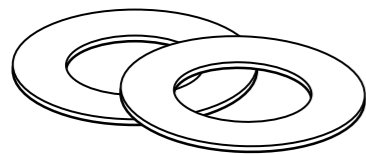
2x Small diameter MSS orange springs



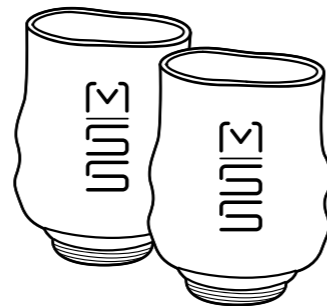
2x Combined adjusters - to couple the black and orange springs together and adjust height



2x Adjuster spanners - for both front and rear adjusters



2x MSS supplied flat rubber slip mats - to eliminate resonant road noise travelling through the system



2x OPTIONAL Small protective sleeves - these fit around the combined adjusters



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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 for the latest copy.

Difficulty level: Medium

Estimated Time: 30 to 45 minutes per side, assuming the bolts are not ceased.

Installing your new MSS Kit is best undertaken by an experienced MINI workshop/engineer.

1. Remove the upper OE rubber spring seat and replace it with the MSS rubber slip mat.
2. Remove the lower OE seats. These are not required and can be kept in a safe place.
3. Couple the black and orange springs with our patent-pending middle located rear adjuster. Ensure the orange spring at the top is centralised.
OPTIONAL: Fit the MSS protective sleeves over the adjuster for dust protection.
4. 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.
5. Tighten the suspension parts that had been removed. Refer to the manufacturer's workshop manual for steps on how to safely remove and refit springs and on the correct torque settings.
6. Set the ride height to sit 5mm higher than the fronts when measured from fender edge to wheel hub centre. **Please be aware that this is a MUST DO.**

POST INSTALL STEPS

Complete a 1-mile journey before setting the ride height and 4-wheel alignment. Refer to pages 3 and 4 of the latest version of the 'MSS INFO for Installer' guide for assistance on how to measure ride height.

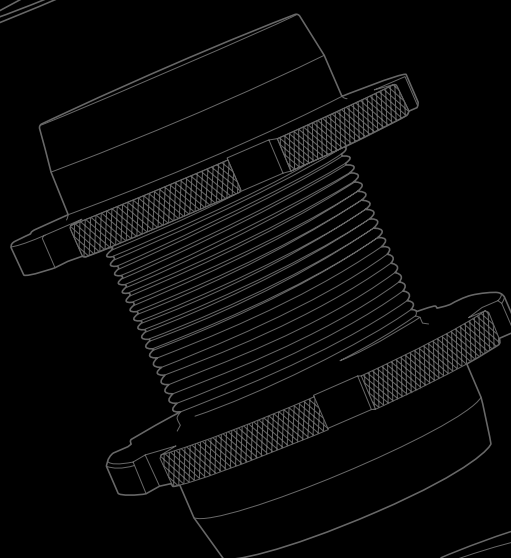


The rear axle ride height should be set to at least 5mm higher than the front axle ride height when measured as per page 3 of the latest version of the 'MSS INFO for Installer' guide. **This is a KEY step.**



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Triple Engineered Suspension for Ultimate Performance, Comfort & Safety



MSS Support Team

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(select appropriate option when prompted)

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