



High Performance Suspension

Installation Instructions

Thank you for purchasing a set of Enmark shock absorbers.

Please note Enmark shock absorbers' damping force and spring rate differ from factory standard suspension, therefore after installation of this kit, drive slowly for the first 300 miles until familiar with the vehicle's new dynamic behavior.

All Enmark shock absorbers include a limited lifetime warranty.

When using our products please follow the local laws of your country. Enmark is not responsible for any violation of code, rules, laws or regulations as a result of improper installation or misuse.

On opening the package please check all the parts are present

Shock absorbers should be installed by qualified personnel. Do not install them yourself unless you are qualified to do so.

Enmark is not responsible for any damage, accidents, personal injury, or death caused by improper installation, assembly misuse or modification of shock absorbers.

Enmark reserves the right to amend the terms and conditions of use without prior notice. Please check Enmark website for updated information.

Company: EnMark Racing

Email: Sales@Enmarksuspension.eu

Website: Enmarksuspension.com

Please Read Before Installing

1. Installation of shock absorbers by qualified personnel is recommended. Please read these installation instructions beforehand.
2. Removing the factory springs from the shock absorbers will require the use of a removable spring compressor. When doing this please ensure the compressor is firmly fixed to avoid any danger.
3. When replacing the original shock absorbers with the new ones, pay attention to the direction in which they should fit.
4. When installing shock absorbers, avoid impacting or damaging the piston rod, if the rod is damaged this may cause oil leakage or abnormal noise problems.
5. When installing we do not recommend the use of pneumatic wrenches. The amount of torque applied should correspond with the vehicle's recommended factory settings. Any damage caused to the screws as a result of using pneumatic tools will not be covered under warranty.
6. Enmark will not assume any responsibility of accidents caused by improper installation of brake line or ABS sensor.

Installation Instructions

1. Please follow the laws and safety regulations set for shock absorber height.
2. Regularly check the status of each screw and nut to ensure they are firmly fixed.
3. After using for a period of time, if you want to adjust the ride height, the spiral teeth on the shock absorber tube must be cleaned beforehand.
4. Check the shock absorber piston rod dust cover regularly, a defective dust cover could cause excessive wear to the rod resulting in oil leakage.

Product Description

1. The spring rate and damping force of Enmark shock absorbers will not be the same as the original factory specifications of the vehicle.
2. When using Enmark shock absorbers, please follow the local laws and regulations regarding shock absorber modification.
3. Shock absorbers are filled with highly compressed nitrogen. Keep away from fire.
4. Do not disassemble shock absorbers. Enmark is not responsible for any product failure of accident resulting from disassembling.

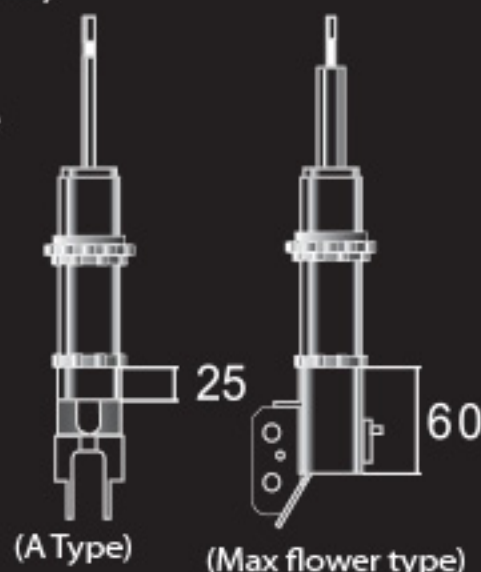
Adjustment of ride height safety information

Silo body and legs must not contact any of the vehicle pipes, tubes, or hoses as this may cause them to rupture.

Shock absorbers must be installed in accordance with the following instructions.

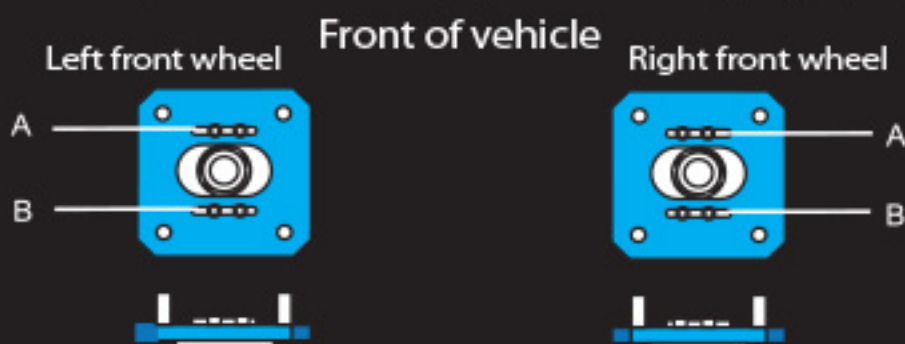
Enmark is not responsible for any mishaps resulting from improper installation.

1. For type A suspension dampers, the distance between the lower ring and the start of the tube threading should be no less than 25mm.
2. For MacPherson type suspension dampers, the distance between the lower ring and the end of the shock absorber tube should be no less than 60mm. This is the maximum adjustment range.



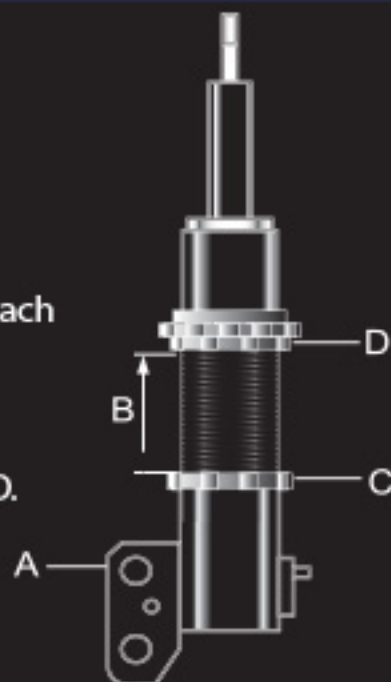
Adjustable fish eyes (Camber/Pillowballs)

1. When installing or adjusting the fish eyes, ensure the points of A and B shown on the figure are perpendicular with the vehicle body.
2. Once installed to the vehicle, release the four screws, adjust the camber angle appropriately, then lock.



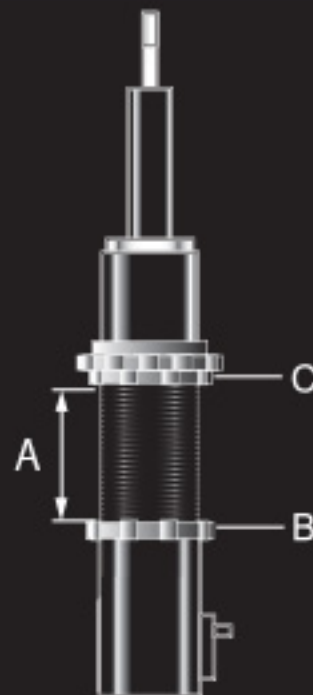
Height adjustment (MacPherson type)

1. Loosen screw A to adjust the angle of elevation.
2. Measure the distance of B shown in the diagram.
3. Using the Enmark supplied tool to loosen the ring shown as C in the diagram.
4. Rotate the ring counter-clockwise to adjust the ride height, after each adjustment of 1.5mm ring C must be locked before further spring compression.
5. The ride height can not be adjusted by altering the position of ring D.



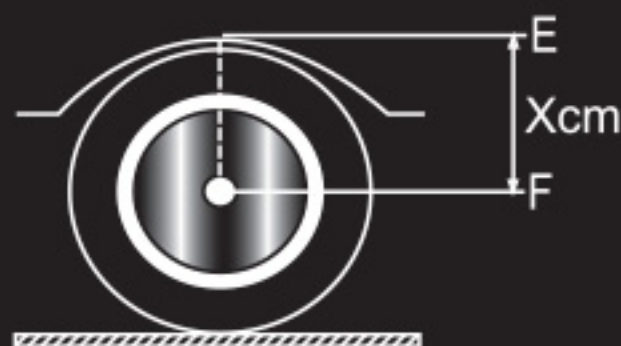
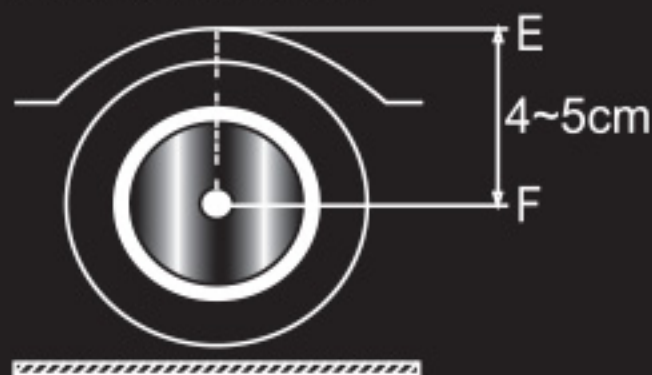
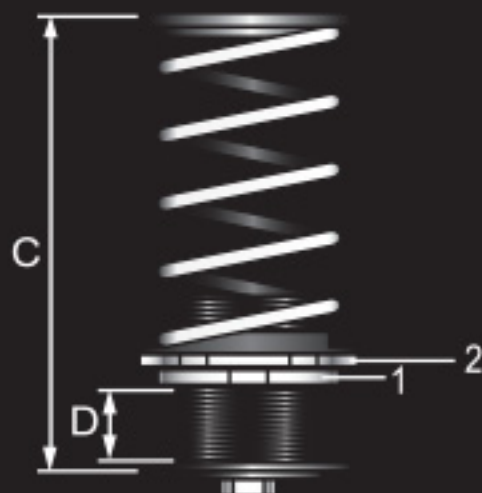
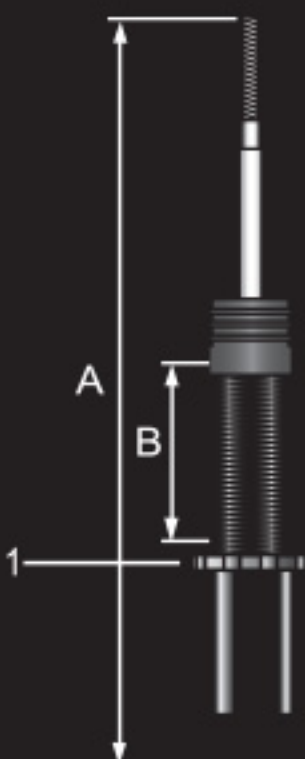
Height adjustment (A Type)

1. Measure the desired distance of A.
2. Using the supplied Enmark hand tool loosen ring C and adjust the height of ring B.
3. After each 1.5mm adjustment of A, ring B must be locked before further spring compression.
4. The ride height can not be adjusted by altering the position of ring C.



Height adjustment (shock absorbers and springs separated)

1. Release rings 1 and 2.
2. To increase the ride height, increase the height level of B and D.
3. To decrease the ride height, decrease the height level of B and D.
4. Do not adjust the distance of B or D independently, the distance of B and D must be adjusted simultaneously.
5. Lower vehicle and check the distance between E and F, the distance between these points should be 4-5cm.
6. Once adjustment is complete be sure to lock rings 1 and 2.



Damper coefficient adjustment

1. The original damping level of the shock absorbers will be set at 30 by the factory.
2. Rotate knob clockwise toward H for a harder ride.
3. Rotate knob counter-clockwise toward S for a softer ride.
4. Shock absorbers are set to the softest damping coefficient at the factory, to adjust desired damping level follow step 2 and 3.
5. Adjust the damping level of the left and right hand-side dampers by the same factor.



Warranty processing

1. Enmark shock absorbers are covered under our lifetime warranty.
2. If you require repair under warranty please return the product to Enmark along with warranty information included in this manual.
3. Enmark lifetime warranty is only valid to the original owner that purchased Enmark through the website Enmarksuspension.com or one of its approved vendors.
4. Please visit Enmarksuspension.com for full details of the Lifetime Warranty.

Miscellaneous

1. If the product does not match the outer box label specifications, please immediately return to Enmark and a replacement will be shipped to you.
2. If you identify any oil leakage or unusual noise, inform Enmark so the issue can be resolved.

Characteristics of original factory shock absorbers

Most factory shock absorbers are designed for comfort and cost efficient manufacturing. The longer shock absorber tube, while providing a comfortable ride on the road, greatly reduces the vehicle's road feel and handling resulting in a more detached driving experience. In unexpected situation, such as bad weather and fast cornering, factory shock absorbers are inadequate to deal with the intense manipulation required in dangerous driving situations.



Enmark coilover



original coilover

Enmark shock absorber characteristics

Enmark shock absorbers are divided into two categories; sport, and racing. The springs included with Enmark shock absorbers are made from high quality SAE9254 steel, which is extremely resistant to deformation and provides excellent rigidity and long life usage. Unlike original factory fixed shock absorbers, drivers can adjust the damping coefficient. The cylinder oil used in Enmark shock absorbers is higher quality than that of factory standard oil. When encountering pits or pot-holes on the road Enmark shock absorbers will reduce shock and prevent the second bounce feeling due to excellent bounce suppression qualities. By reducing the level shock the tired friction on the road will increase, improving handling and providing a more enjoyable, safer drive

Thank you for purchasing Enmark shock absorbers, protect your rights by asking the dealer to stamp the warranty and fill out the information section. If the information is filled out incorrectly or is false, the warranty will be void.

Name:

Vehicle Model:

Purchase Date:

Dealer (Dealership Name)

Notes

During the warranty period, if damage or failure is caused by one of the following conditions, the warranty will be void:

- A: Car accident
- B: Natural disaster
- C: Modification, improper use, or self repair / maintenance
- D: Non-accordance of instructions or failure to follow safety guidelines
- E: Use of non-original spare parts
- F: Installed by an unqualified person / shop



High Performance Suspension

Thank you for purchasing Enmark
Shock Absorbers

The perfect balance of Comfort & Performance

Company: Enmark Racing
Email: Sales@Enmarksuspension.eu
Website: Enmarksuspension.com