



Shock absorber kit for Alfa Romeo 4C

ARS GR00

Mounting instruction

ARS G1R01 front left

ARS G2R01 front right

WARNING!

Before you install this product, read the Öhlins Owner's manual. This product is an important part of the vehicle and the vehicle stability.

We strongly recommend to have an Öhlins dealer install this product.

Before you install the product, check the kit content. If anything is missing please contact an Öhlins dealer.

Please not that during storage and transport, especially at high ambient temperature, some of the oil and grease used for assembly may leak and stain the packaging. This will not cause damage to the product, wipe off the excessive oil or grease with a cloth.



Mounting instruction

WARNING!

When you work with this product, see the vehicle service manual for vehicle specific procedures and important data.

1

Raise the vehicle and put it on jack stands.

WARNING!

If you work with a lifted vehicle, make sure that it is safely supported to prevent it from tipping over..

2

Remove the front wheels.

3

Remove the drop link from original strut. Even if the stabilizer drop link is not coupled to the damper.

4

Loosen the bolts for the lower strut attachments.

WARNING!

Support the wheel hub in an appropriate way on each side of the vehicle so that the brake hoses can not be damaged.

5

Loosen the upper attachments and remove the original struts from the car. Pay attention to all cables and brake lines including holders. These must be disconnected properly.

The strut is premounted:

Install the Öhlins strut to the vehicle. Install all cables and brake lines to the holder. Slightly press the cable holders by about 15°, so that the damper does not rub against the holders or the cables during steering, see fig.1.

Brake lines and cables including holder attached to the wheels carrier or wishbone. fig. 1 front right.

The damper is premounted and the lower bracket is also premounted. Should something drag for any reason, loosen the 6x M4 allen screws on the bottom ring and orient the eye accordingly. Tighten the M4 again with 3.5Nm to the cross principle, see fig.2.



Fig.1.

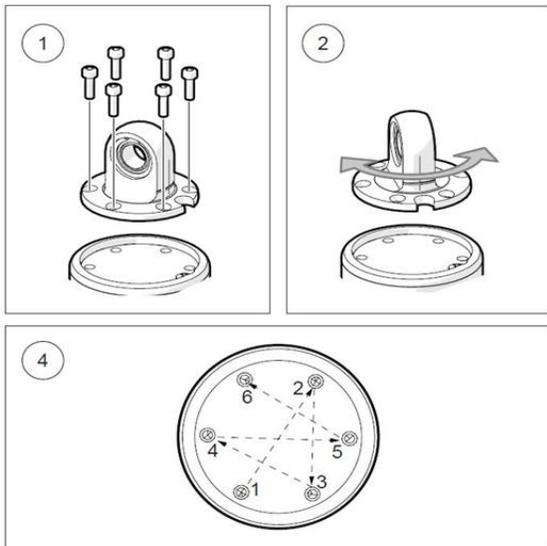


Fig.2.

Reinstall the stabilizer drop link after tightening the upper and lower damper mounting bolts to the body and control arm. (See table for tightening torques).

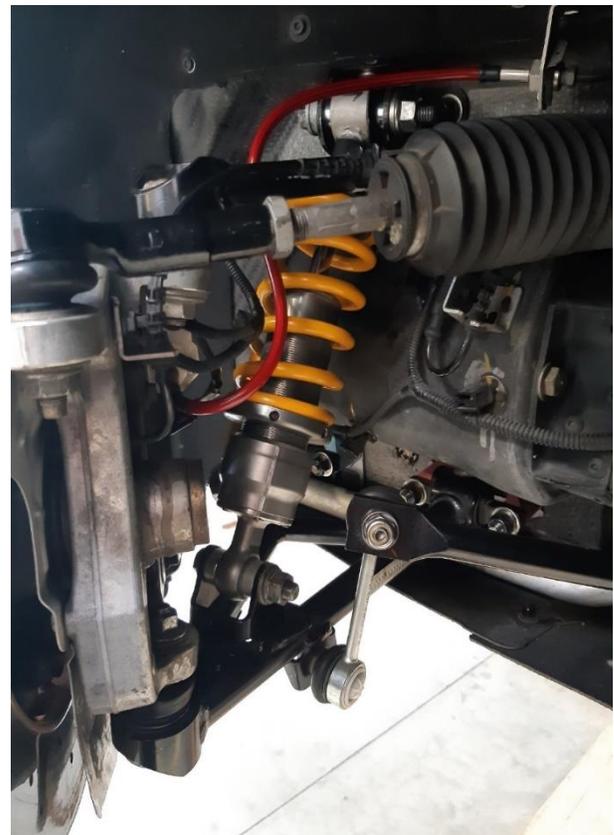


Fig.2: Strut positioned in front left.

NOTE!

Make sure that all bolts are tightened to the correct torque and nothing fouls or restricts movement of the strut when it is being fully compressed or extended. Test this over the whole steering range from lock to lock.

Table with tightening torque of the screws see general information, or manufacturer's instruction.

Make sure that all removed parts are reinstalled in the same way as they were before the installation of the Öhlins shock absorber.

WARNING!

Before you ride/drive, always make sure that the setup is according to the recommended setup data. Read about the adjustments and setting up in the Öhlins Owner's Manual before you make any adjustments. Contact an Öhlins dealer if you have any questions about setting up.

Vehicle height

The vehicle is lowered by approx. 20mm as standard, with the following dimensions on the spring plate, see fig. 3.

Spring seat: 17mm bottom edge spring plate-top edge damper head.

The information is from a vehicle with 265/40/17 tires. If your vehicle has tires other than those tested, different values are possible.

Supplied springs:

01093-12, L=150 mm, 56N/mm

WARNING!

After installing the struts, a wheel load measurement and an axle measurement must be carried out. Please note that the headlight setting should be checked and adjusted if necessary (see also general information).

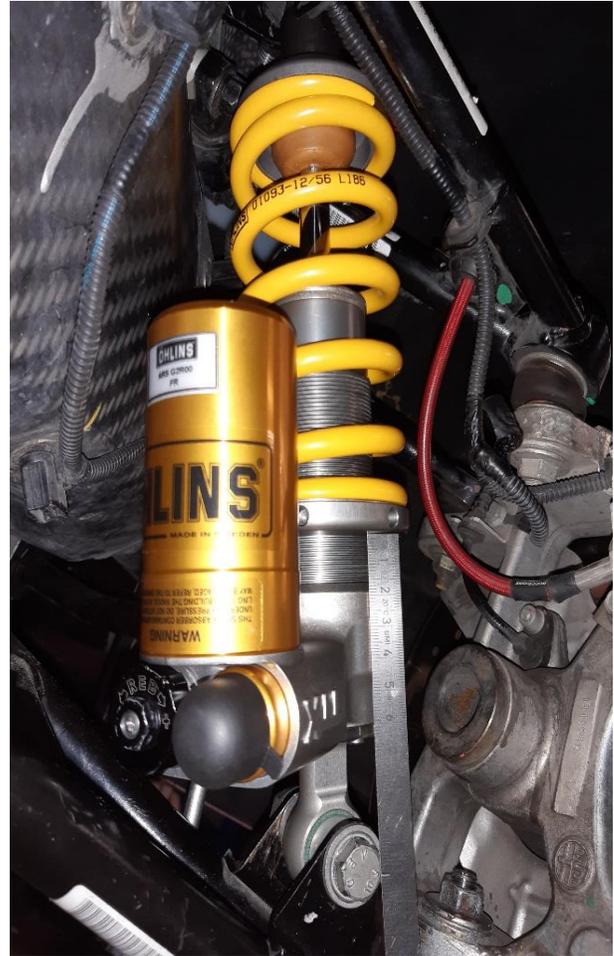
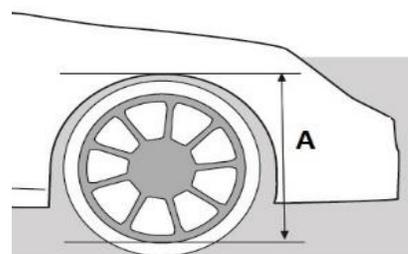
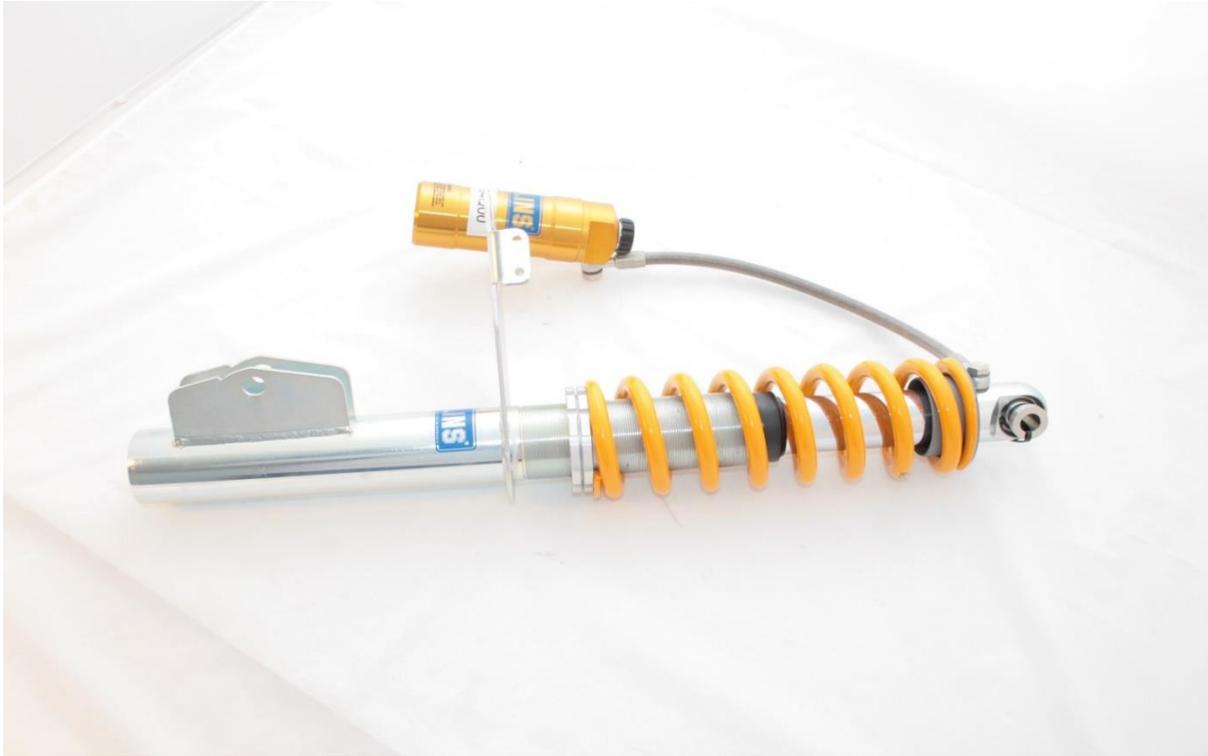


Fig. 3: Base setup front



Front: Dimension A = 578+/-3mm



Shock absorber kit for Alfa Romeo 4C

ARS GR00

Mounting instruction

ARS G3R01 rear left

ARS G4R01 rear left

Mounting instruction

WARNING

Before you install this product, read the Öhlins Owner's manual. This product is an import part of the vehicle and the vehicle stability.

1

Raise the vehicle and put it on jack stands.

WARNING!

If you work with a lifted vehicle, make sure that it is safely supported to prevent it from tipping over.

2

Remove the rear wheels. Remove the handbrake cable from the rear shock absorber and remove the brake pipe holder. You would need to drill through the rivet to do this.

3

Remove the lower and upper attachments and remove the original shock absorber.

4

Install the Öhlins damper at the vehicle.

5

After changing the shock absorber make sure that all previously disassembled parts are reinstalled in the designated place see fig. 1.2.

Fix the brake line holder with the supplied M5 screws. Fasten the parking brake cable with cable ties close to the shock absorber (do not over-tighten).

Route the damper hose into the engine bug of the car (see fig.2). Left side, the hose is routed under the expansion tank. The metal holder must be removed to guide the canister of the damper in the intended place.

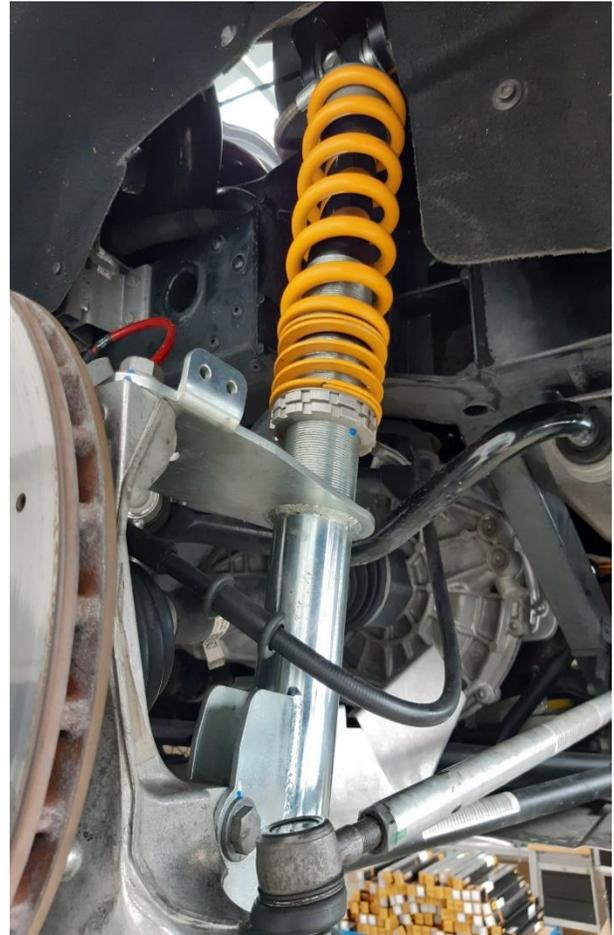


Fig. 1: rear damper is installed to the vehicle



Fig. 2: Hose under expansion tank.

Drill two small 6 mm holes in the partition and mount the supplied plastic holders for the canisters there. Canisters are then secured using the cable ties provided as shown in fig. 3.

NOTE!

Make sure that all bolts are tightened to the correct torque and that nothing fouls or restricts movement of the shock absorber when it is being fully compressed or extended.

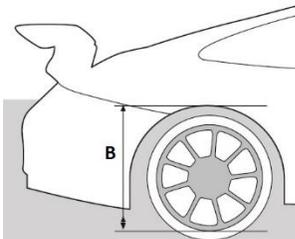
WARNING!

Before you ride/drive, always make sure that the setup is according to the recommended setup data. Read about adjustments and setting up in the Öhlins Owner's Manual before you make any adjustments. Contact an Öhlins dealer if you have any questions about setting up.

Vehicle height

The dimensions given are for a vehicle with standard components.

Base setup rear



Dimension B = 608 +/- 3mm

Please then check the ride height according to the scheme.



Fig. 3: Canister in position

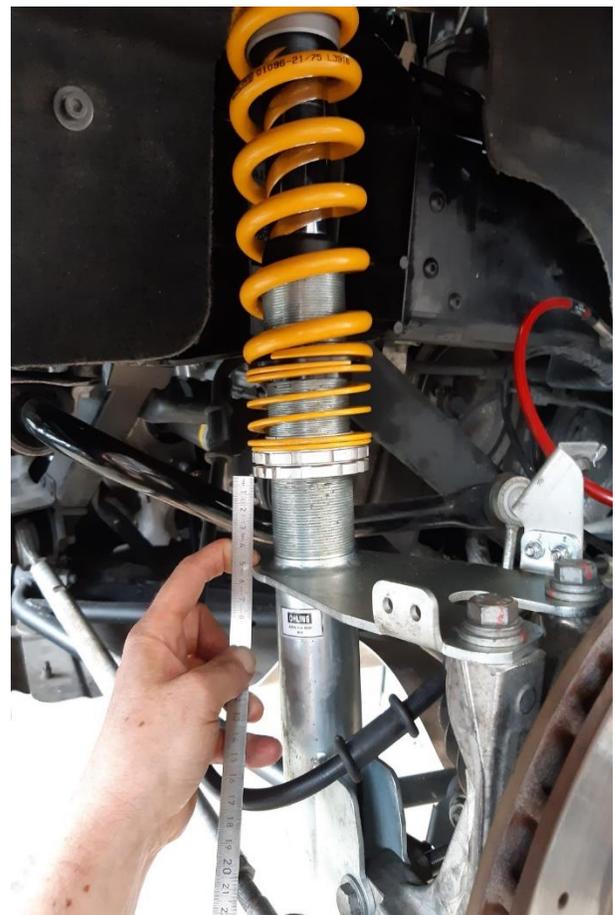


Fig. 4: rear shock absorber, Base setup: Dimension B = 50mm between lower edge of the lower lock nut and the upper edge of the spring strut tab.

The information is from a vehicle with 235/40 R18 tires. If your vehicle has tires other than those tested, different values are possible.

Supplied springs

Main spring 01096-21, L=190 mm, 75N/mm

Helper spring: 05173-13, L=76 mm, 2 N/mm

WARNING!

After installing the struts, a wheel load measurement and an axle measurement must be carried out. Please note that the headlight setting should be checked and adjusted if necessary (see also general information).

General Notes!

If not listed separately, the lowering specified in the catalog is reduced by the amount of the factory lowering for vehicles that are factory fitted with sports suspension.

The information in the parts certificate or the ABE are decisive for the assignment of the vehicle. For this purpose, the EC type approval number (point "k" can be found in the vehicle registration document or on the vehicle's nameplate!) Must be compared with information in the report. The last updated version applies.

Before installation, please use the parts certificate/ABE to check whether the items supplied (see parts identification) are approved for your vehicle (see area of application).

In the event of deviation, the parts are not allowed to be installed without consulting an Öhlins dealer. Please contact your dealer directly. We recommend installing our products only in a qualified workshop that has qualified personnel and the necessary special tools.

After the spring/suspension components have been installed, it is essential to check the wheel setting values.

Depending on the engine, gearbox, equipment and tolerances of the vehicle, the lowering may vary by a few mm from the specified values

The usability of our products, as well as their verification, relates to vehicles left in series. the dimensions given refer to new vehicles left in series production. In principle, the specific dimensions can vary depending in the vehicle.

If the series suspension has electronic damper control, its functionality does not apply when our suspension is used. We recommend using an Öhlins cancellation kit to switch off the error message. Vehicle-specific error messages can possibly be turned off by an authorized workshop.

If you need spare parts, please contact your sealer/source.

Torque list							
	galvanized screws			black untreated screws			
	Tightening torques (N/m)			Tightening torque (N/m)			
d	8.8	10.9	12.9	8.8	10.9	12.9	
M 6	9.5	13	16	10	14	17	
M 8	23	32	39	25	35	41	
M 10	46	64	77	49	69	83	
M 12	80	110	135	88	120	145	
M 14	125	180	215	135	190	230	

ÖHLINS products are subject to continuous improvement and development, therefore, although these instructions include the most up-to-date information available at the time of printing, minor updates may occur.

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