

INSTALLATION INSTRUCTIONS

LAST UPDATE 2026	VEHICLE TYPE G-CLASS W463A
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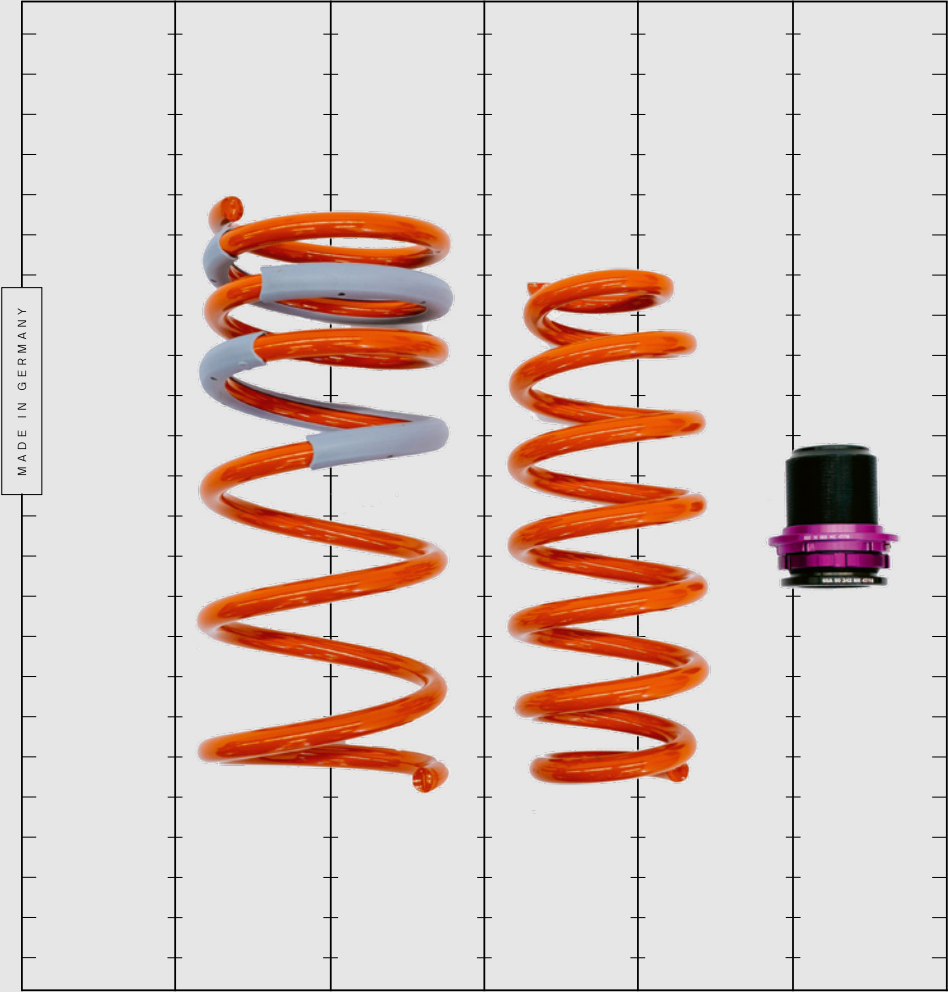


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1. GENERAL

Thank you for purchasing a LETECH quality product. Through state-of-the-art production facilities, constant checks and regulated processes, we ensure that only flawless products leave our production.

1.1 SAFETY INSTRUCTIONS

Work on the vehicle must only be carried out by trained specialists.

Work on the vehicle's electrical system must only be carried out by specialists with the appropriate electrical and electronic knowledge.

The battery must be disconnected before any work is carried out on the vehicle's electrical system.

When fitting springs and dampers, suitable clamping devices and hoists/lifting equipment must be used.

For the installation of springs or springs with shock absorbers, we recommend carrying out the work on a 4-post lift.

Caution:

Springs and dampers with a characteristic curve differing from that of the original dampers must only be replaced as a complete set, i.e. always on both axles!

In general, the safety regulations of the respective workshop or the relevant country must be observed.

1.2 SCOPE OF DELIVERY

Front shock absorber

(2x)



Rear shock absorber

(2x)



Springs

(4x)



Front spring adjustment sleeve

(2x)



2. ASSEMBLY

2.1 VEHICLE PREPARATION



Lift the vehicle in accordance with the instructions; follow the operating manual.

Only lift the vehicle using suitable and certified (e.g. TÜV) lifting platforms (note the lifting capacity of the respective platform). We recommend a 4-post lifting platform.

Secure the vehicle to prevent it from tipping over, rolling away or falling.

Wear suitable protective clothing when lifting the vehicle and when working under or on the vehicle.

Protect your head, and protect your hands and feet from crushing, etc.!

2.2 WORK ON THE REAR AXLE



Jack up the vehicle. Remove the wheels. Unclip all cables from their holders to prevent them from becoming taut.

2.2 WORK ON THE REAR AXLE



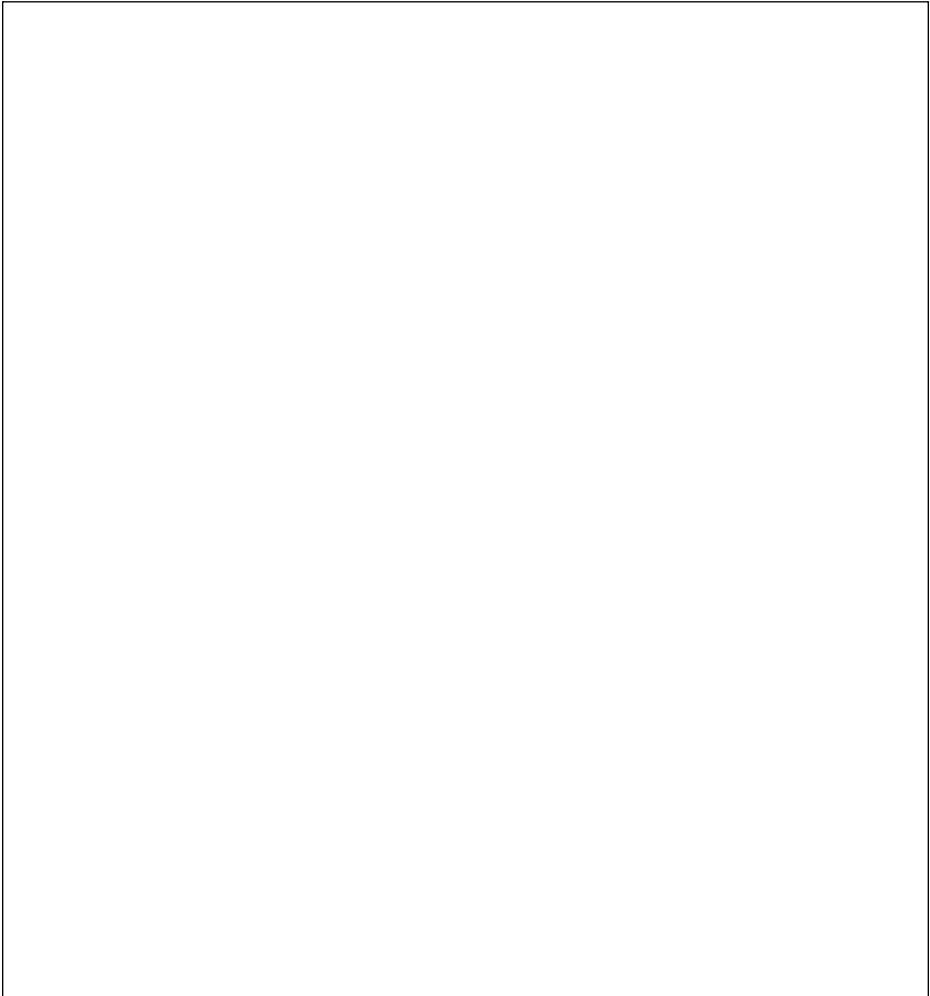
Loosen the cable clamp on the right.

2.2 WORK ON THE REAR AXLE



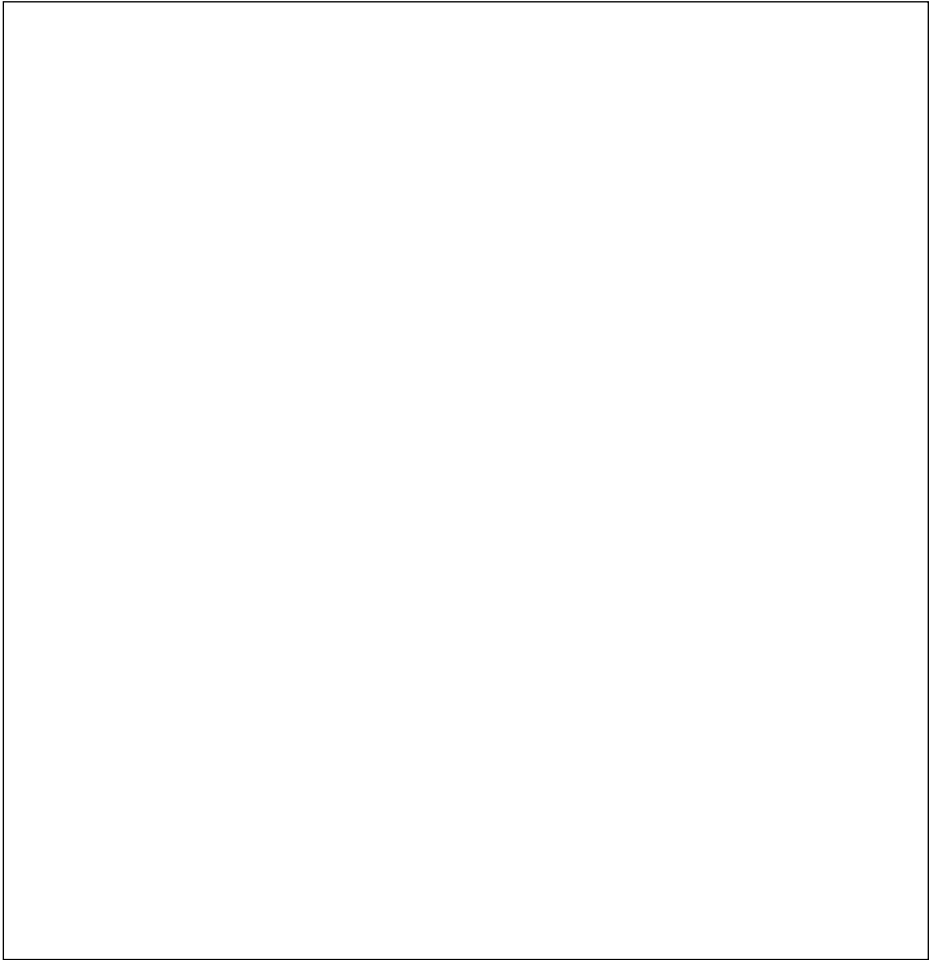
Remove the cover from the lower control arm.
Place a wooden block under the lower control arm to support it.

2.2 WORK ON THE REAR AXLE



Loosen the shock absorber bolts at the top and bottom (do not remove them).
Remove all cables (control cables) from the shock absorbers.

2.2 WORK ON THE REAR AXLE



Lower the vehicle so that the rear axle rests on wooden blocks.
The lower shock absorber mounting can now be removed.
Raise the vehicle until the axle is free.
CAUTION: Brake lines may be under pressure; risk of rupture.

2.2 WORK ON THE REAR AXLE



Remove the spring.

2.2 WORK ON THE REAR AXLE



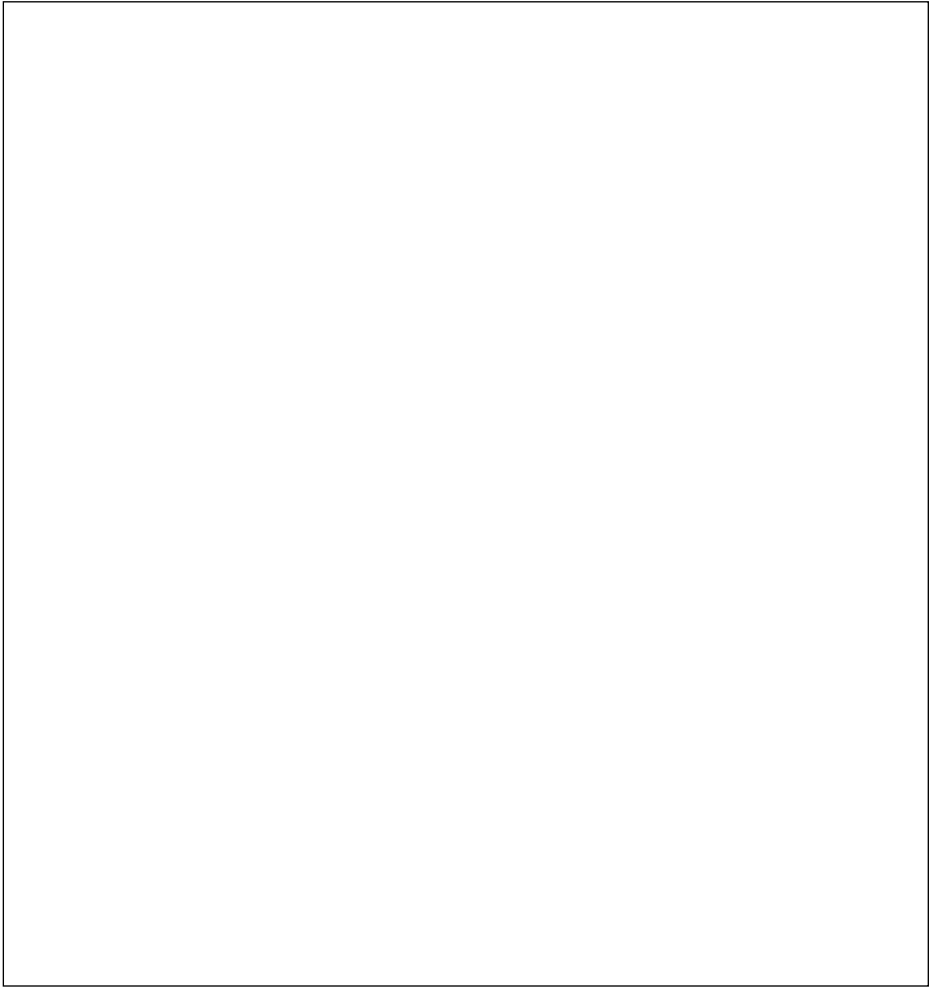
(Reuse the rubber pads from the original springs)
Mask off the new springs to protect them from damage.
Insert the springs, positioning the rubber tabs at the front.
Tighten the springs against the rubber stops.

2.2 WORK ON THE REAR AXLE



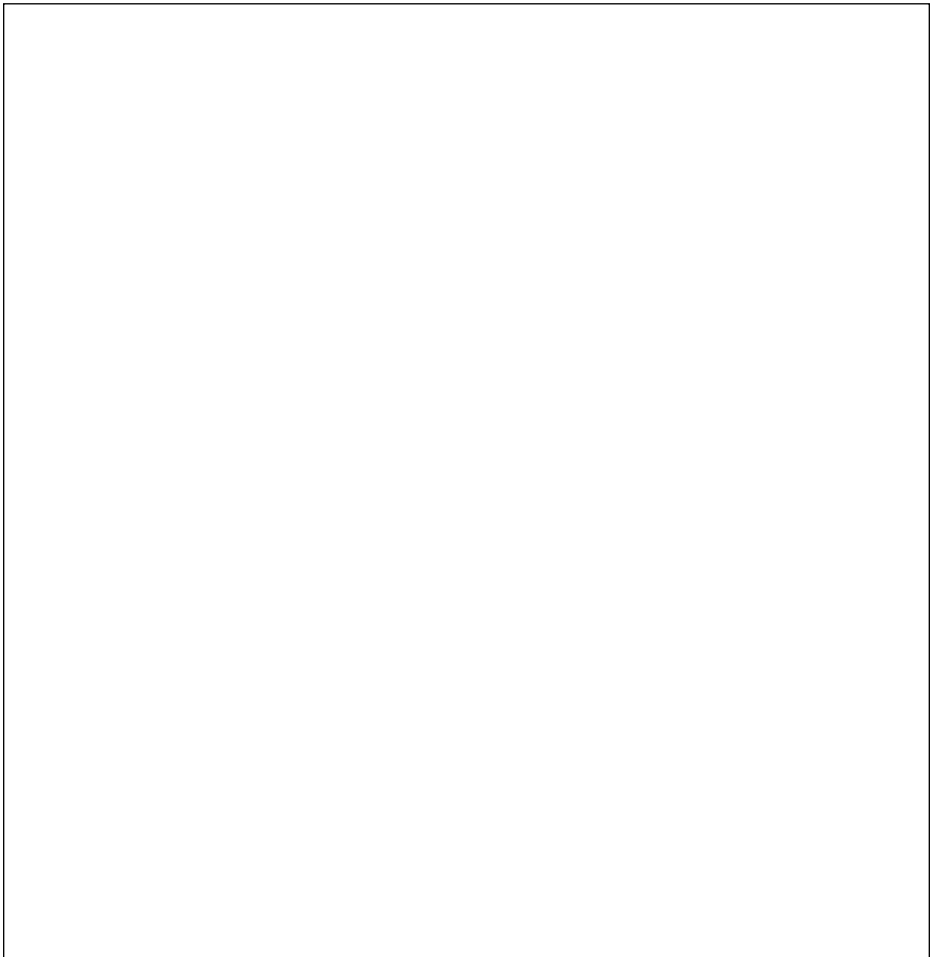
If the shock absorbers are being replaced, loosen them at the top and remove them.
If necessary, fit new shock absorbers, starting at the top, and tighten the top bolt slightly.
Raise the vehicle high enough to allow the lower mounting bolts of the shock absorbers to be inserted.

2.2 WORK ON THE REAR AXLE



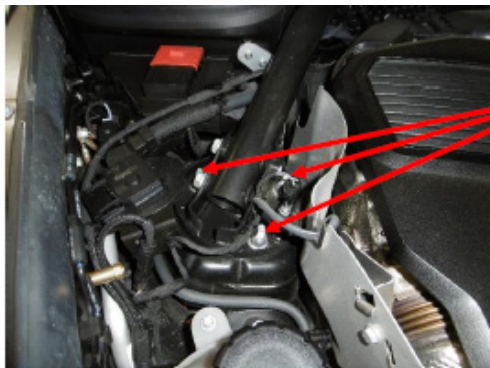
Tighten the shock absorbers to the specified torque at the top and bottom.
Fit all cables. Secure the cable clips and clip the cables into place. Fit the lower control arm covers. Fit the wheels (tighten to the specified torque).

2.3 WORK ON THE FRONT AXLE



Raise the front of the vehicle and remove the wheels.
Protect the paintwork.
Remove the underbody protection completely.
Remove the wheels.

2.3 WORK ON THE FRONT AXLE



Remove the strut mount bolts in the engine compartment (one side at a time).

2.3 WORK ON THE FRONT AXLE



Remove the headlight levelling linkage on both sides and secure it to prevent it from twisting.

2.3 WORK ON THE FRONT AXLE



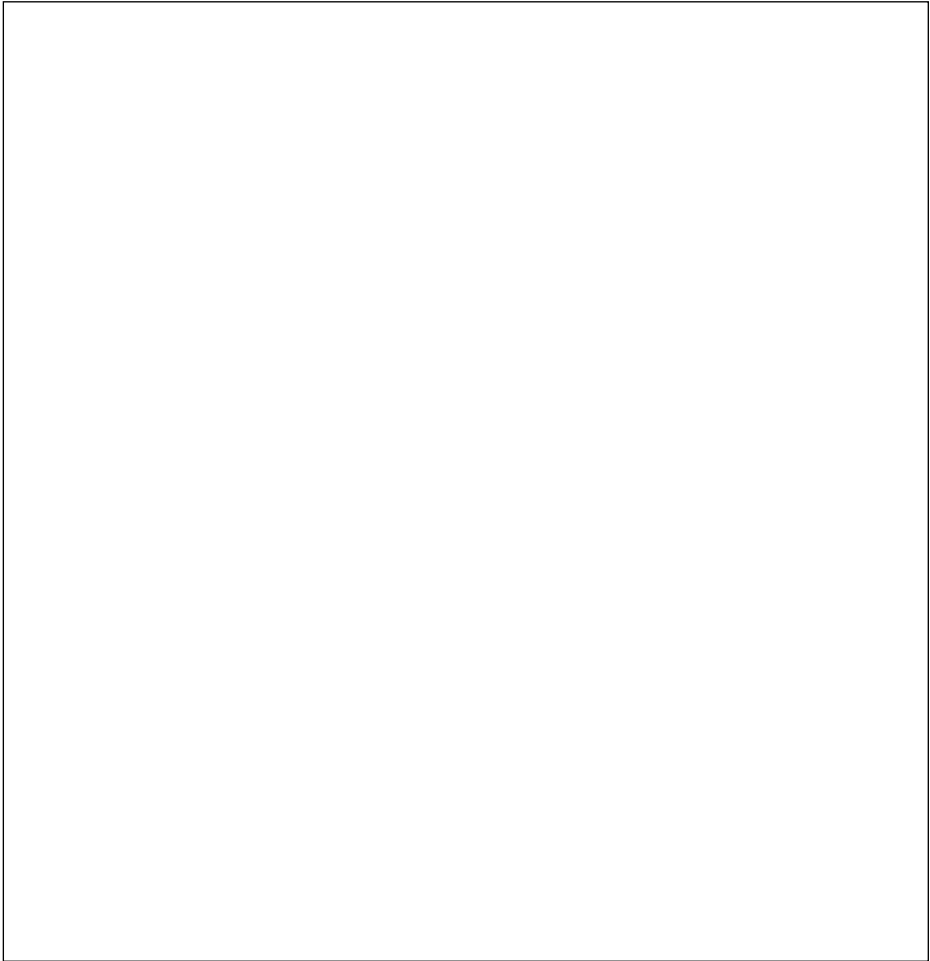
Remove the drive shaft fixing bolt using a suitable tool.
Unclip all cables and hoses from their mountings and disconnect the connectors.
Remove the brake caliper (do not disconnect the brake lines) and set it aside.
Remove the brake discs and brake disc covers.

2.3 WORK ON THE FRONT AXLE



Remove the stabiliser bar mounting.
Remove the track rod.
Remove the lower bolt from the strut mount.
Unscrew the lower control arm; leave the ball joint in place and secure it properly.
Mark the camber adjustment shims!

2.3 WORK ON THE FRONT AXLE



Secure the steering knuckle using suitable means, e.g. a tension strap.
Push the drive shaft out of the steering knuckle, taking care not to damage the dust boot.
Remove the strut.
Place the strut in a suitable clamping device.

2.3 WORK ON THE FRONT AXLE



Pre-adjust the spring. Grease the inside and outside of the sleeve.
Before fitting the spring, adjust the front axle nut to 53 mm (for vehicles without a winch) or 55 mm (for vehicles with a winch).

2.3 WORK ON THE FRONT AXLE



Replace the shock absorber if necessary.
Slide the spring adjuster onto the shock absorber as far as it will go.

2.3 WORK ON THE FRONT AXLE



Slide the protective sleeve onto the shock absorber rod.

Insert the spring.

Fit the protective sleeve onto the shock absorber rod.

Fit the upper spring seat, ensuring it is positioned correctly and aligning with the recesses.

Insert the pre-assembled shock absorber into the spring compressor.

Pre-tension the spring until the nut can be fitted onto the piston rod.

Tighten the nut, holding it in place with an Allen key.

2.3 WORK ON THE FRONT AXLE



Adjust the lower spring mount, lock the nuts in place (using a hook spanner), and secure with an Allen key.

2.3 WORK ON THE FRONT AXLE

- Fit the fully assembled strut to the vehicle.
- Thread the drive shaft through (take care not to damage the boot).
- Fit the lower control arm.
Caution: Insert the stabiliser bar clamp at the same time.
- Position the camber adjustment shims correctly.
- Secure the strut; do not tighten the bolts yet.
- Do not tighten any bolts until the vehicle is back on its wheels.
- Tighten the bolts to the specified torques; see the workshop manual.
- Fit all cables and connectors.
- Clip the cables and hoses into place.
- Fit the headlight levelling linkage.

2.4 FINAL PROJECTS

- ☐ Move the vehicle so that all the tyres can settle
- ☐ Carry out a wheel alignment in accordance with the manufacturer's specifications and adjust if necessary
- ☐ Test drive