

# *Armatic Lowering Links*

## Mercedes GL & GLS (X166) Original Lowering Kit

**\*\*Make sure your car is on a flat surface and your car is locked while installing the linkages.\*\***

**\*\*To avoid a potential problem with the suspension system when installing the rear links please pay particular notice to the direction of the sensor arms with the OEM links in place. With the adjustable links fitted the sensor arms should be pointing in approximately the same direction\*\***

Tools Required –Adjustable spanner and large flat ended screwdriver.

**\*\*We recommend adding a small amount of grease to each ball joint whilst installing the kit\*\***

**Front:**



1. Select the highest suspension setting and jack the vehicle up by a few inches to locate the ride height sensor which is under the wheel arch as per the picture below. Do not jack the car up by more than a couple of inches ie. Do not let the front wheels leave the ground.
2. Carefully Remove the standard linkage (**\*\*BE GENTLE, DO NOT DAMAGE OR SNAP THE SENSORS ARM!\*\***)
3. Fit a Rubber Grommet to each ball stud to ensure the ball and ball joint are protected from the elements.
4. Install the adjustable linkages by firstly removing the safety retaining clips and then firmly pushing the ball joints of the linkage onto the ball studs on the bracket and sensors arm. The vehicle will lower by approximately 28mm for every 5mm longer you make the adjustable linkages than that of the standard linkages. We suggest making the link no more than 8mm longer than the OEM link.
5. Once you have achieved the desired ride height re-attach the safety clips.
6. Now remove the jack and lower the car.

**Rear:**



1. Select the highest suspension setting and jack up the rear of the vehicle locate the ride height sensor. They are connected to the Lower Control Arm.
2. Carefully Remove the standard linkage (\*\*BE GENTLE, DO NOT DAMAGE OR SNAP THE SENSORS ARM!\*\*)
3. Fit a Rubber Grommet to each ball stud to ensure the ball and ball joint are protected from the elements.
4. Install the adjustable linkages by firstly removing the safety retaining clips and then firmly pushing the ball joints of the linkage onto the ball studs on the bracket and sensors arm. The vehicle will lower by approximately 28mm for every 5mm Shorter you make the adjustable linkages than that of the standard linkages. We suggest making the link no more than 8mm shorter than the OEM link.
5. Once you have achieved the desired ride height re-attach the safety clips.
6. Now remove the jack and lower the car.

**Initializing the adjusted suspension:**

1. Start the vehicle whilst on a level surface and select the highest suspension setting (Access mode or similar) and leave the engine running to allow the cars suspension computer to settle to the new adjustments and compression to build in the air system.
2. After leaving the car for a few minutes you can now select the sport suspension mode which will lower the vehicle.
3. Check the vehicle is at the desired height in the suspension setting you have selected but ensure that the suspension is not so low that it may cause the wheels to rub on the wheel arches as this may cause damage to your tyre or wheel arch. It may take a couple attempts to get the linkage lengths correct to obtain the exact ride height of your liking.

**Returning the vehicle to standard:**

To return the car back to standard simply repeat the steps using the original linkages. As the standard joints harden with age you may find them hard to put back on. If this is the case apply some lubricant (WD40 or similar silicon based product) to the ends and squeeze them on with pliers.