Choose your Gas Shock Absorber – Length / Firmness Guide (MOA-GS Series)

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MOA GS-Series Shock Absorber (Length / Firmness)

MOA Gas Charged Shock Absorbers compatible across Beetle, Ghia, Type 3, T2 Splitscreen & Bay Window Platforms

Deciding on an appropriate shock can be a difficult decision to make, option for a gas charged shock is best suited to most applications – especially lowered vehicles. With the terrains of modern roads it is best to ensure you enjoy a smoother ride and bear in mind key factors such as suspension fade and road noise are much reduced when compared to oil filled shock absorbers which can cause journeys to become unbearable.

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What length shocks do I need?

There is a very simple method to decide on a suitable shock length, the procedure is as follows:

1. Lift up vehicle (via either Jack or Lift where applicable)

2. Remove existing shock absorber

3. Lower vehicle back down carefully to ensure the vehicle is now relying on either torsion bar or torsion leaves. If the vehicle is very low you may need to drop onto blocks or a raised surface to still gain access to shock positions.

4. Measure the distance between top shock fixing point and lower fixing point to find the resting height. For eyelet mounts, measure from the center of the hole. For stud mounts, measure from the seating surface.

5. Now you have the resting height measurement, factor in upwards and downwards travel. We recommend adding around 25% of upwards and 75% of downwards travel where applicable.

Now you know what size you need, the MOA range of gas-charged shock absorbers are supplied in a vast range of dimensions to suit all air cooled applications from serious static lows to stock height. Throughout the range, there is a difference in damping force to further reflect the style/ride height that you are opting for.

All models are provided with best quality Urethane bushes to increase life-span/bush wear and tastefully finished in Gloss Black coating.

Compressed Length: 215mm Maximum Extended Length: 290mm Damper Firmness: 90

Best suited to super low setups, suitable for front and rear applications. Will provide a stiffer ride to prevent any bounciness causing vehicle to hit the road surface. Giving an overall smoother ride.

Compatible Models:

Beetle Link Pin Front 1950-1965 Beetle Rear All Years T2 Splitscreen Front / Rear All Years T2 Bay Window Front / Rear All Years

Compressed Length: 235mm Maximum Extended Length: 340mm Damper Firmness: 105

Ideal for moderately lowered set-ups, both front and rear. Stiffer ride to conventional oil shock absorber, giving the vehicle an “uprated” and much more responsive feel.

Compatible Models:

Beetle Link Pin Front 1950-1965 Beetle Rear All Years T2 Splitscreen Front / Rear All Years T2 Bay Window Front / Rear All Years

Compressed Length: 255mm Maximum Extended Length: 380mm Damper Firmness: 130

Suitable for mildly lowered vehicles, on both front and rear of the vehicle. Significantly firmer than comparable oil filled shock absorber. Much improved holding of the road.

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Compatible Models:

Beetle Link Pin Front 1950-1965 Beetle Rear All Years T2 Splitscreen Front / Rear All Years T2 Bay Window Front / Rear All Years

Compressed Length: 295mm Maximum Extended Length: 460mm Damper Firmness: 170

A perfect upgrade to any stock or very mildly lowered vehicle running oil filled shock absorbers, with a stiffer but not excessive firmness that would significantly improve the drivability and road-holding. Suited to front and rear applications.

Compatible Models:

Beetle Link Pin Front 1950-1965 Beetle Rear All Years T2 Splitscreen Front / Rear All Years T2 Bay Window Front / Rear All Years

Compressed Length: 270mm Maximum Extended Length: 415mm Damper Firmness: 135

Well suited upgrade to any lowered Ball Joint platform Beetle. With a firmer rating to any comparable oil filled shock, this model will give an improve handling/driveability.

Compatible Models:

Beetle Ball Joint Models Front 1966-1979 (Will also suit Mexican models)

Compressed Length: 310mm Maximum Extended Length: 475mm Damper Firmness: 110

A perfect upgrade to any stock or very mildly lowered Ball Joint Front Axle currently running oil filled shock absorbers, with a stiffer but not excessive firmness compared to the stock comparison. This is turn will improve the drivability and road-holding.

Compatible Models:

Beetle Ball Joint Models Front 1966-1979 (Will also suit Mexican models)

The full range can be found here

For anymore queries regarding the full range of MOA shocks do not hesitate to get in touch.

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