GLIDE RITE®

automotive technology

semi-air suspension system

If your vehicle's suspension suffers under payload, you need *Semi-Air,* available exclusively from Glide-Rite. As market leaders in the specialist field of air suspension, Glide-Rite Products have developed a low-cost *Semi-Air* system to assist the existing steel suspension. Based on the design principle of Glide-Rite's widely acclaimed full air suspension, *Semi-Air* utilises the latest technology to enable you to achieve the optimum chassis ride height, regardless of payload.

for a **level ride height**... regardless of payload

- ✓ Level **Ride Height**
- ✓ Increased **Stability & Handling**
- ✓ Variety **Of Configurations**
- ✓ Built to last **Durable & Reliable**

With standard steel suspension, the ride height of a vehicle will alter significantly between laden and unladen conditions, a factor which can lead to instability and ground clearance problems, particularly under heavy loading.

However, *Semi-Air* from Glide-Rite works with the existing steel sprung suspension by providing extra regulated support to ensure that the vehicle remains at a constant ride height regardless of payload.

By using *Semi-Air* you not only prevent the rear of the vehicle sagging, but also increase the stability and handling, particularly when fully laden. *Semi-Air* utilises bespoke air bags mounted between the existing leaf springs and the vehicle chassis. As the load fluctuates, the pressure in the air-bags varies proportionally, to maintain the optimum chassis position***.

The system is supplied in kit form and is available in three different configurations, ranging from manual to fully automatic, dependent on your requirements.

Glide-Rite suspension systems are available for a wide range of vehicles. All systems come with a comprehensive warranty as standard and with the support of a network of highly trained technicians.

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The *Semi-Air* suspension system is available in the following configurations:

Manual

This low cost solution comes with an inflation valve to enable the air bags to be inflated or deflated using a standard garage forecourt air regulator.

Semi-Automatic

This system is powered by a heavy duty electric compressor, which delivers air pressure to the air bags on demand. The kit comes with an up / down switch and pressure gauge giving the user the flexibility to raise or lower the ride height in accordance with the payload.

Fully Automatic

This fully automatic version uses a ride height valve, located between the axle and chassis, to detect and compensate for payload fluctuation . Whenever the payload varies the valve operates proportionally, increasing or decreasing air bag pressure to maintain the optimum ride height.

features & specifications

Mounting Brackets

The system is supplied complete with mounting brackets, specifically designed for the particular vehicle make and model. In addition to replacement 'U'Bolts, the kit incorporates a set of upper and lower frames to support the air bags in their ideal position.

Compressor*

Semi and fully automatic systems are equipped with a heavy duty 12v compressor.

Schrader Valve*

This simple inflation valve enables the manual semi-air system to be charged using a standard air-line regulator.

Air tank**

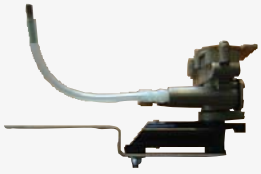
The semi-automatic and fully automatic systems incorporate a slim line air reservoir. The ability to store air pressure ensures instant air bag inflation, enabling the suspension to respond quickly to payload conditions.

Airbags

Bespoke air bags are positioned between the chassis rail and leaf spring to provide optimum support on both sides of the vehicle. The system uses either 2 or 4 air bags, dependent on the vehicle's GVW.

Ride Height Valve***

The fully automatic semi-air system is equipped with a ride height valve. This valve either increases or decreases air bag pressure to compensate for any variation in payload.



* manual system only

** semi and fully automatic systems only

*** fully automatic system only

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