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AIR SPRING SUPPLY COMPANY

OPERATION INSTRUCTION & TROUBLE SHOOTING GUIDE



Thank you for purchasing your air helper suspension. Your air helper springs will improve the comfort, road handling and load carrying capabilities of your vehicle. Heavy or uneven loads!!! Does it compromise the handling, ride and safety of your vehicle? Now you have a simple solution!!

Coil-Rite Air Helper Springs from **Air Spring Supply Company** level your vehicle from front to back and left to right.

Coil Air Helper Springs are tough polyurethane cylinders, which are installed inside the coil spring, you can easily compensate for many condition - from the enjoyment of a more comfortable drive with an empty vehicle to the advantages of an Air Helper suspension with a full load or when towing a heavy Trailer or Caravan.

❖ Coil-Rite Air Helper Springs Advantages

- Keep the vehicle's front end down - improve steering control, level headlight beams and decrease tyre wear.
- Level off-centre loads - individual air valves allow for adjustment side -to-side and front to rear.
- Eliminates spring sag - help prevent coil springs from sagging under repeated or constant loads or age.

- Air pressure adjustment improves the ride by allowing the air springs to be adjusted to level the vehicle.
- Prevents bottoming out - protective air cushions softens contact between axle and chassis.
- Increases vehicle stability - cushioning road shock provides stability and comfort for passengers and load.

❖ **Coil-Rite Air Helper Spring**

The basic helper spring kit is installed on its own and is adjusted manually at any service station or with an accessory kit or with a hand/foot pump or with an accessory kit. As each spring is inflated via a tyre valve installed at a convenient place on your vehicle, such as the fender or close to the Tow-bar arrangement, the vehicle can be levelled from front to rear and left to right.

❖ **Cab Controls**

Cab Control's can be installed with the basic helper spring kit, in conjunction with a 12V onboard compressor. This allows you to inflate / deflate the system from the luxury of your Driver seat.

- Single Cab Control has one paddle switch and allows you to inflate/deflate the system and levels the vehicle from front to rear.
- Dual Cab control has two paddle switches and allows you to inflate/deflate the system and level the vehicle from front to rear and from left to right.

❖ **Maintenance Tips**

- Check pressure weekly!
- Always maintain at least 0.35 BAR air pressure in the springs when the vehicle is not laden to prevent chaffing or coil pinch, adjust the pressure accordingly after the vehicle has been loaded.
- If you develop an air leak in the system, use a soapy solution to check ALL air line connections and the valve core before removing the bellow.

❖ **Inflation Procedures**

- Inflate your air spring to minimum pressure as specified on your FITMENT INSTRUCTION before adding the payload. This will allow the air cylinder to properly mesh with the coil spring. After the vehicle is loaded, adjust your air pressure to level the vehicle and for ride comfort.
- When you are carrying a payload it will be helpful to increase the tyre inflation pressure in proportion to any overload condition. Do NOT exceed the tyre manufacturer's maximum recommended pressure.
- If the air spring bellows bulges out more than half the diameter of the coil spring, reduce the air pressure in the bellow to rectify. This condition means your vehicle is overloaded, or the air springs are over pressurized

0 8 6 1 A I R s p r i n g **INSTALLED ON VEHICLE**

FOR SAFE OPERATION
PREVENT DAMAGE TO THE SYSTEM

M I N I M U M	0.35 Bar (5 psi)
M A X I M U M	2.5 Bar (35 psi)