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## **COILRITE AIR SUSPENSION RENAULT** **TRAFIC VERSION 2002 / 3** **INSTALLATION INSTRUCTIONS**

**All** work should be carried out in a properly equipped workshop with due regard to Health and Safety Regulations. No further reference to Health and Safety Regulations will be made, but they must be considered at all times. It is recommended that the battery be disconnected during installation.

The kit should be opened and the contents checked against the parts list provided. Identify the various components and familiarise yourself with them using drawings and information provided.

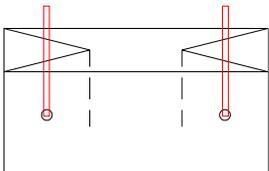
**Tools required:** Jack or 4 post lift or other means of raising vehicle; torque wrench; 17 and 13 mm spanners; tube cutter; pistol drill; 8mm mm drill bit.

***WARNING*** : Do not inflate this assembly when it is unrestricted: it must be restricted by a coil spring with a textile sleeve. Do not inflate beyond the recommended operating pressure. Improper use or over inflation may cause property damage or severe personal injury.

## 1 PREPARATION

Raise the rear of the vehicle and support it forward of the wheels.			
Take the weight of the rear axle and undo the bottom shock absorber bolts.		17 mm spanner	Retain the bolts for replacement later.
Lower the axle and remove the coil springs.			

## 2 INSTALLATION

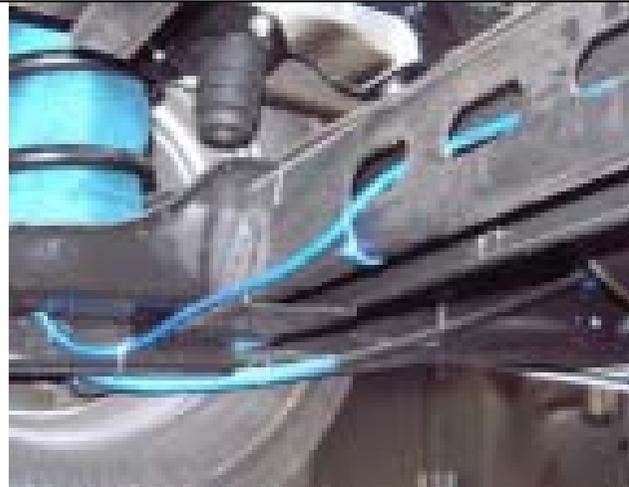
Insert each Coilrite air helper spring into its fabric protection sleeve. Fold the end as shown and fix a nylon tie tightly through each set of holes.			
Insert the air helper springs into the coil springs with the hole for the air tube at the bottom of the coil spring.			
Cut 2 lengths of air tubing, 1200 mm and 300 mm. Insert one end of each of these into the air fittings in the airsprings.		Tube cutter	

Decide which side of the vehicle to mount the inflation valve. The spring with the shorter tube must be put on the same side as the inflation valve, Feeding the tube out through the hole in the bottom of the spring holder, replace the coil springs on the vehicle.



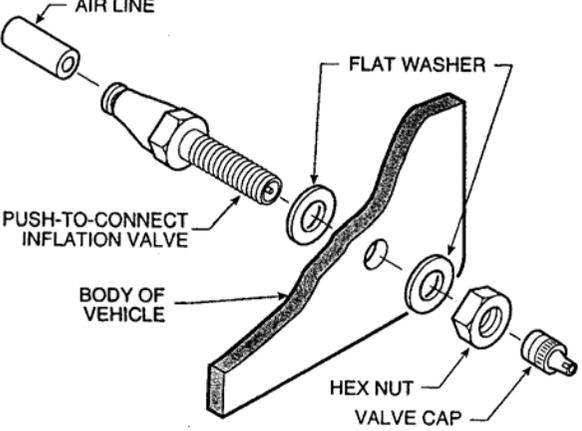
A suitable place is in the plastic panel at the front of the rear wheel arch.

Route the longer air tube from the spring inside the axle to the other side of the vehicle and connect with a Tee fitting to the tube from the other spring.



Insert 450 mm of air tube into the Tee fitting and run this tube to the location chosen for the inflation point, which should be easily accessible but protected. Protect the tube with the sleeving provided where there are any sharp edges.



<p>Drill an 8 mm (5/16") hole and mount the inflation valve as shown, pushing the valve through the hole from behind and attaching with 2 washers and a nut.</p> <p>Cut the air tube to length, making sure the end is cut squarely, and push the end as far as possible into the back of the inflation valve</p>	 <p>The diagram illustrates the installation of an inflation valve. It shows an 'AIR LINE' connected to a 'PUSH-TO-CONNECT INFLATION VALVE'. This valve is being pushed through a hole in the 'BODY OF VEHICLE'. A 'FLAT WASHER' and a 'HEX NUT' are used to secure the valve from the backside. A 'VALVE CAP' is also shown as a separate component.</p>	<p>13mm spanner Pistol drill and 8mm bit Tube cutter</p>	
<p>Cut the air tube squarely a short distance back from the inflation valve, and insert the ends of the tubes into the pressure protection valve.</p>			
<p>Attach the air tubing to the vehicle securely using nylon ties, making sure the tube is well clear of any sharp edges or sources of heat, with sufficient slack to allow suspension movement.</p>		<p><b>Do not attach to brake lines. Use protective sleeves supplied as necessary.</b></p>	
<p>Raise the axle and reattach the shock absorbers using the original bolts. Lower the vehicle to the ground.</p>		<p>17 mm spanner Torque wrench</p>	<p>Tighten to Renault recommendation.</p>
<p>Inflate the air helper springs to 5 bar, which is the maximum recommended operating pressure and check for air leaks with soapy water.</p>			
<p>For the best ride, use only enough air pressure in the springs to level the vehicle; this amount will vary depending on the load. It is recommended to deflate and inflate in small increments to find the ideal pressure for your vehicle.</p>			<p>NOTE: Air pressure should be checked monthly.</p>