



# COIL-RITE HOW TO MEASURE DATA SHEET



- The Coil-Rite system can be adapted to fit any open coil spring suspensions creating a variable rate spring.
- The Coil-Rite system will not fit McPherson struts or coils with the shock mounted within the coil spring. The Coil-Rite air helper springs are designed to return the vehicle to its original design height in either loaded or unloaded condition.
- In order to design an air spring system for your vehicle fill out this sheet in its entirety.
- Create detailed sketches and accurate measurements for the best possible application.

**Vehicle Make:** \_\_\_\_\_

**Vehicle Model:** \_\_\_\_\_

**Year:** \_\_\_\_\_

**Mileage:** \_\_\_\_\_

**Owner:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Checked by:** \_\_\_\_\_

**Location:** \_\_\_\_\_

**Exhaust Location:** \_\_\_\_\_

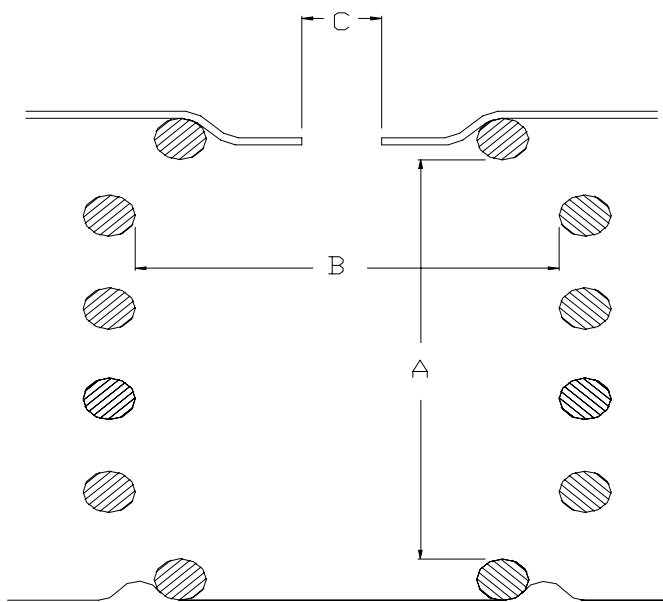
**Type of Suspension: Front:** \_\_\_\_\_

**Rear:** \_\_\_\_\_

**Additional Notes:**

### Air Spring Fitting Procedure

1. Determine the inside length of the open coil spring at the original design height. Measurements taken from a vehicle not at original height specifications will result in an undersized air spring. Be sure the vehicle is in a level position and at original manufacturers design height.
2. Locate the inside diameter of the coil spring. If the spring is not concentric, measure the inside diameter of each wire turn and clearly mark on sketches.
3. Sketch the configuration of the upper and lower spring seats. Include any objects that may interfere with the air spring such as: straps, bolts, sharp objects etc... Also note any holes, and the inside diameter of these holes. Sketch the holes for inflation valve and hose clearance.
4. There should be approximately 25mm of clearance between the outside of the air spring as it expands through the coil spring and the vehicle chassis or other objects that may damage the air spring. Note any potential clearance problems.
5. Note the closest dimension between the tailpipe and the air spring.



- A: Coil Length**
- B: Coil Inside Diameter**
- C: Hole Inside Diameter - Upper Spring Seat**
- D: Hole Inside Diameter - Lower Spring Seat**
- E: Wire Diameter**
- F: Number of Turns**
- G: Exhaust Clearance**

The Following Dimensions are in reference to the dimensions shown on the previous page

	<b>Metric</b>	<b>Example</b>
<b>A</b>		150 mm
<b>B</b>		70 mm
<b>C</b>		20 mm
<b>D</b>		None
<b>E</b>		10 mm
<b>F</b>		6
<b>G</b>		55 mm

### Application Sketch

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