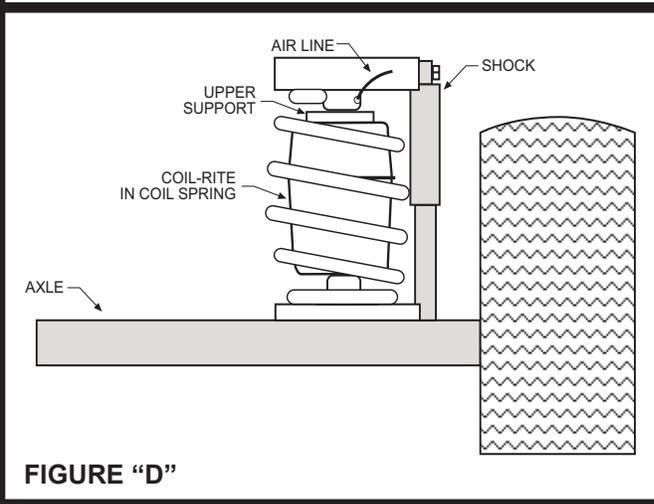
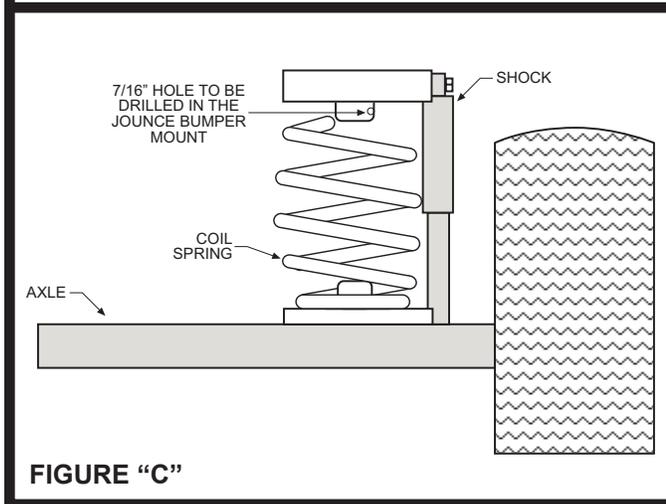
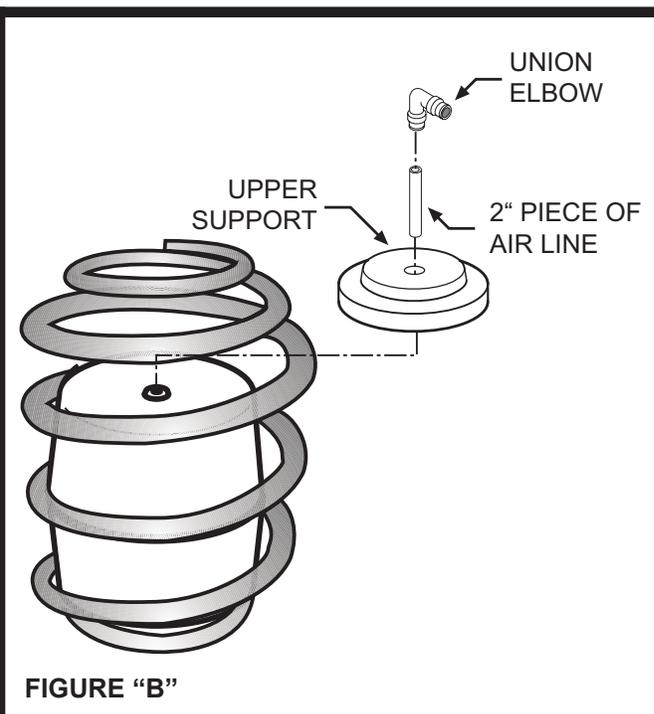
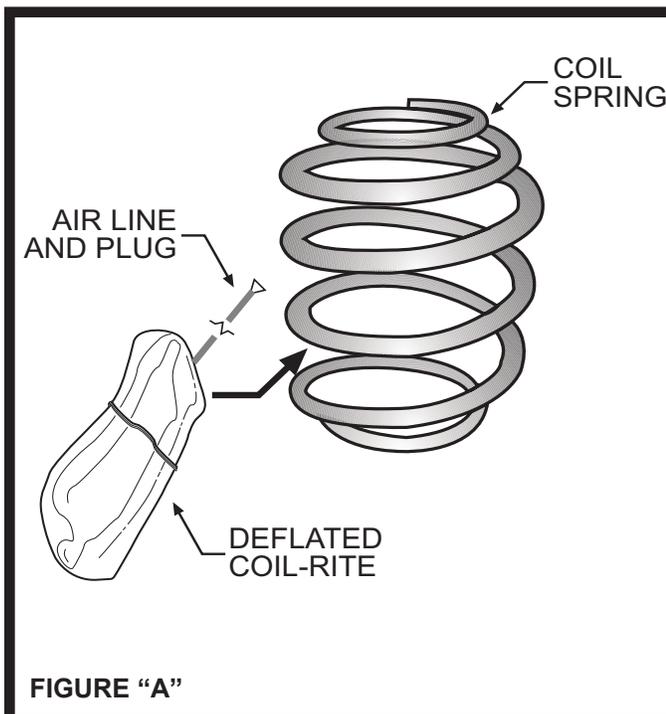


**Read installation instructions completely before installing  
your Coil-Rite Air Helper Springs.**



**PARTS**

**QTY.**

**RECOMMENDED OPERATING PRESSURES**

AIR SPRINGS  
UPPER SUPPORTS  
18' AIR LINE  
NYLON TIE  
INFLATION VALVE  
5/16" FLAT WASHER

2  
2  
1  
6  
2  
4

SUV'S                      5 - 35 PSI  
VANS                        5 - 35 PSI

### STEP 1—VEHICLE PREPARATION

Remove the negative battery cable. With the vehicle on a solid level surface, chock the front wheels. Using a jack rated for the weight of your vehicle, raise the wheels off the ground. Lower the vehicle frame onto jack stands rated for the vehicle weight, making sure the suspension is fully extended. (Do not use wood or concrete blocks to support the vehicle.) Your vehicle is equipped with jounce bumpers attached to the frame, inside the coil springs. Remove the jounce bumpers by pulling down at an angle (The jounce bumpers will not be reused). Next, drill a 7/16" hole in the jounce bumper mount in the anticipated direction of the air line, **see Figures "C", "D", & "E"**.

### STEP 2—SHOCK ABSORBERS

If necessary, additional clearance between the coil windings may be obtained by removing the shock absorbers from the lower mounts and lowering the suspension an additional one to two inches. (**CAUTION: Do not put tension or strain on the flexible brake lines.**)

### STEP 3—AIR SPRING PREPARATION

Cut a two inch piece of air line tubing making sure the tubing is cut as square as possible (a "saw" cut with a sharp knife is preferred). Install the tubing into the push-to-connect air inlet on the air spring. Exhaust the air from the air spring by rolling it up towards the air inlet. After the air is exhausted, install the plug into the tubing coming out of the air spring, **see Figure "A"**.

### STEP 4—INSTALL THE AIR SPRING

Insert the top of the flattened air spring into the coil spring through the lowest opening in the coil spring with the air inlet at the top of the coil spring, **see Figures "A", "B", & "D"**. Push the air spring into the coil spring by hand or with a blunt tool. **DO NOT use anything with sharp edges or corners, as damage may occur.** When the air spring is completely within the coil spring, remove the plug and allow the air spring to return to its normal shape. Push the air spring to the bottom of the coil spring and insert the protector over the air line and onto the top of the air spring. Install the union elbow on to the end of the air line. **See Figures "B" & "D"**. For installation on the right side, repeat Steps 2 through 4.

### STEP 5—ROUTE THE AIR LINE

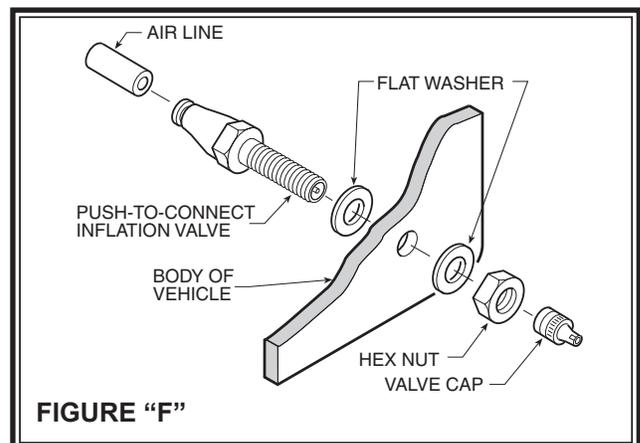
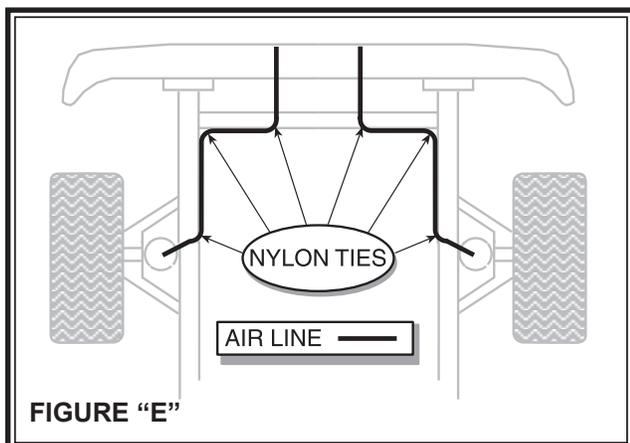
Select a location for the inflation valves in a protected area such as on the bumper or body. Use a sleeve protector on the air line to protect the tubing where it passes through the jounce bumper mount. Route the air line from the union elbow, through the 7/16" hole drilled in step 1, to the inflation valves (**Figure "E" & "F"**). Avoid any sharp edges or hot surfaces as well as sharp angles. The air line can be secured with the nylon ties provided. Install the inflation valves into 5/16" holes, **see Figure "F"**. Cut off any excess air line using the method mentioned above and push the end as far as possible into the inflation valve.

### STEP 7—INFLATE AND TEST

Inflate the air springs to recommended maximum operating pressure (see page 1 for operating pressures). With a soap and water solution, check for air leaks around the fittings and valve core. Inflate and deflate in small increments to find the ideal riding conditions for your vehicle.

### STEP 8—COMPLETION

Re-attach the shocks if necessary and the wheels. Torque all nuts and lug nuts to manufacture's specifications. Raise the vehicle, remove the jack stands, and lower the vehicle to the ground. Reattach the battery cable.





# Do Not Return This Product to the Dealer or Distributor

## If you are

- missing parts,
- experiencing installation problems, or
- have technical concerns regarding this product,

you may contact a Firestone Technical Service Representative at [rrtech@fsip.com](mailto:rrtech@fsip.com) or at 800-888-0650 (option 1, and then option 2). Representatives are available from 7:30 a.m. – 4:30 p.m. Eastern on Monday – Friday, excluding holidays. If you are located outside of the United States, you should first contact your distributor or dealer directly with any issues.

When contacting Technical Service, please have the kit or part # ready, along with the make, model, and year of the vehicle. You may also need to provide details, such as 2WD/4WD or if the vehicle has been lifted or lowered from stock height.

If you have a warranty concern, please include in your email a detailed description of the situation, a photo(s) of the issue, and your contact information, including ship-to address.

**WARRANTY COVERAGE\***— The Ride-Rite™ kits, components, and accessories are warranted against defects in workmanship and materials. This warranty does not cover service or labor charges, neglect...to the product.

### **PERIOD OF COVERAGE:**

- |   |  |
|---|--|
| • Ride-Rite air springs – Lifetime Limited  | • Work-Rite load assists – 2 Years Limited                                       |
| • Sport-Rite air springs – Lifetime Limited | • Air-Rite accessories – 2 Years Limited   |
| • Coil-Rite air springs – Lifetime Limited  | • Brackets, hardware, fittings, air line, and other components – 2 Years Limited |
| • Level-Rite air springs – Lifetime Limited |  |

**HOW TO MAKE A WARRANTY CLAIM** — If you purchased your air springs in the U.S. or Canada and believe you have a part with a warrantable defect, call Firestone directly at 1-800-888-0650.

International customers should contact their distributors or dealers directly with any problems.

(\*) Please refer to the “Firestone Limited Lifetime Air Spring Warranty” for details, terms, and conditions.

## **FIRESTONE LIMITED LIFETIME AIR SPRING WARRANTY**

Firestone Industrial Products Company LLC ("Firestone") warrants that its Ride Rite Air Spring Assembly will perform according to the manufacturer's specifications for as long as the vehicle on which the system was originally installed is owned by the original retail purchaser. This limited warranty does not include installation or other service charges for replacement.

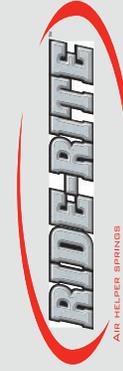
### Warranty Period

The Air Spring is warranted for as long as the original purchaser owns the vehicle on which it was originally installed. The fasteners and upper and lower brackets which accompany the air spring are warranted for a period of twenty-four (24) months or 24,000 miles whichever occurs first. This warranty begins on the original retail delivery date.

### What is Covered

Any implied warranties are limited in duration to the coverage period of this warranty (some states do not allow limitation on how long an implied warranty lasts so the above limitation may not apply to you). This Warranty runs in favor of the original retail purchaser when the Ride Rite Air Spring Assembly is used under normal operating conditions according to Firestone's specifications and installed on the appropriate application. This warranty does not apply to Ride Rite Air Spring Assemblies that have been improperly applied, improperly installed, used in racing or off road applications or used for commercial purposes. In addition, the warranty will not apply to products which have not been maintained and serviced according to the instructions that accompany the air spring assembly. The consumer will be responsible for any costs incurred in removing the product from the vehicle and the cost to return the air spring assembly to the dealer or installer from which it was purchased. If it is determined that the Ride Rite Air Spring Assembly failed as a result of a manufacturing defect, Firestone will repair or replace, at its option, any product or components subject to this warranty. You should retain a copy of your contract with your installer and your receipt as proof of the date of installation. This warranty is non-transferable and is not assignable in any way.

**Firestone specifically excludes any obligation for consequential damages or incidental expenses including claims for loss of use of the product, loss of time, inconvenience, or commercial loss. This warranty gives you specific legal rights. You may also have other rights that may vary from state-to-state. Some states do not allow limitations on how long an implied warranty lasts or allow the exclusion or limitation of incidental or consequential damages. The above limitation or exclusion may not apply to you. There are no warranties, express or implied, including implied warranty of merchantability and fitness which extend beyond this warranty.**



**Firestone**  
**World's Number 1**  
**Air Spring.**

FIRESTONE INDUSTRIAL PRODUCTS COMPANY