

# Installation Instructions

READ INSTALLATION INSTRUCTIONS IN ITS ENTIRETY BEFORE INSTALLING YOUR COIL-RITE KIT

**NOTE: IF ANY PARTS ARE MISSING FROM THE KIT, PLEASE CALL 1-800-888-0650.**

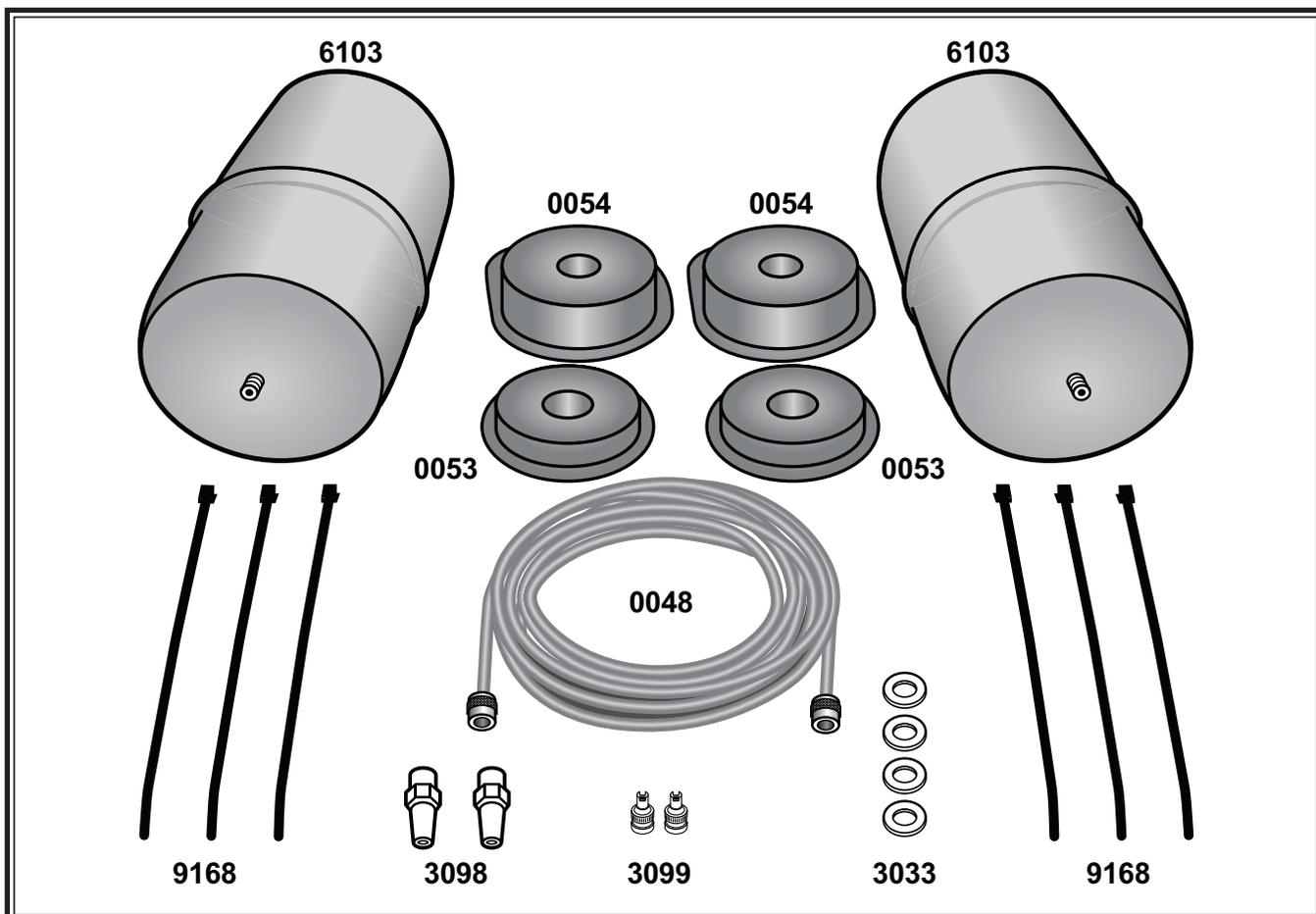
**PLEASE DO NOT CALL OR RETURN THE KIT TO THE DEALER.**

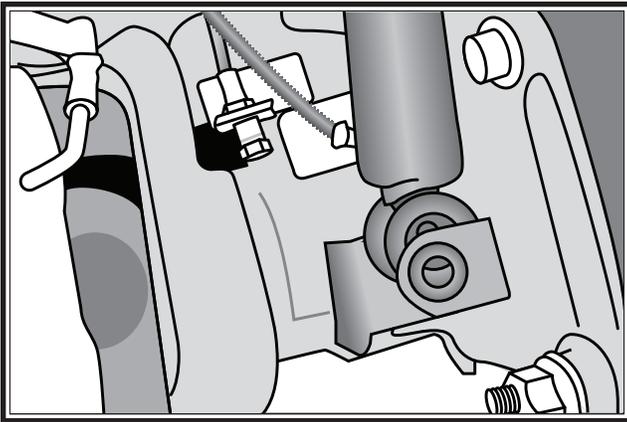
## INSTALLATION INSTRUCTIONS

Congratulations—your new suspension helpers are quality products capable of improving the handling and comfort of your vehicle while under load. As with all products, proper installation is the key to obtaining all of the benefits your kit is capable of delivering. Please take a few minutes to read through the instructions to identify the components and learn where and how they are used. It is a good idea to start by comparing the parts in your kit with the parts diagram below.

## WARNING

Do not inflate this assembly when it is unrestricted. The assembly must be restricted by a coil spring. Do not ever inflate beyond recommended operating pressures for your specific vehicle. Improper use or over inflation may cause property damage or severe personal injury.



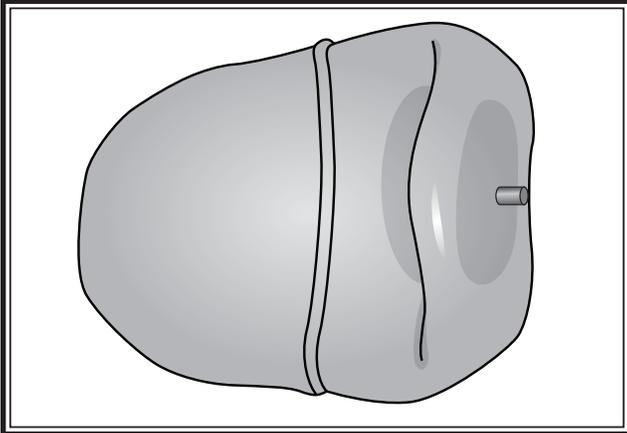


## **VEHICLE PREPARATION**

With the vehicle on a solid level surface, chock the rear wheels and raise the front of the vehicle using a jack rated for your vehicle's weight to lift the wheels off the surface. Lower the vehicle frame onto jack stands rated for your vehicle's weight making sure the suspension is fully extended. (Do not use wood or concrete blocks to support the weight of the vehicle.)

### **STEP 1— SHOCK ABSORBERS**

To obtain additional clearance between the coil turns obtained by removing the shock absorbers lower bolt and unbolting the anti-sway bar and lowering the suspension an additional one to two inches. (**CAUTION:** Do not put strain or tension on the flexible brake line.)

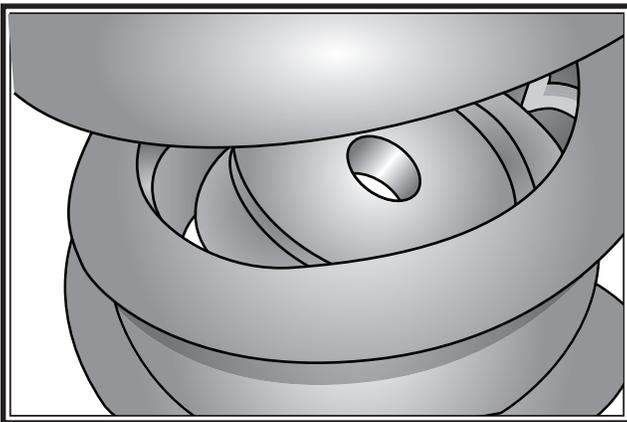


### **STEP 2— AIR SPRING PREPARATION**

Remove the inflation valve cap from the inflation valve on the air spring. Using the valve cap from the inflation valve as a core tool from the inflation valve, remove the inflation valve core from the air spring. Exhaust the air spring by pushing it flat then re-insert the valve core back into the air spring to keep it collapsed.

### **STEP 3—INSTALLING THE AIR SPRING**

Insert the flattened air spring into the coil spring with the inflation valve at the bottom as shown. Place the lower protector in the bottom of the spring seat.



### **STEP 4—ADJUSTING THE AIR SPRING**

Push the air spring up into the coil spring by hand or with a blunt tool. **DO NOT** use anything with sharp edges or corners as this may damage the air spring.

When the air spring is completely within the coil spring, remove the valve core to let the air back into the air spring. Allow the air spring to return to its normal shape.

Screw the straight push-to-connect fitting onto the inflation valve fitting coming out of the air spring.

### **STEP 5 — RE-ATTACH THE SHOCK ABSORBER**

Attach the shock absorber and anti-sway bar removed earlier in the installation. Torque to manufacturer's specifications.

### **STEP 6— ROUTE THE AIR LINE**

Cut the air line tubing into two equal lengths (cut the tubing as squarely as possible). Select a location for the inflation valves in a protected area, such as the bumper. (**Note:** The inflation valve will be installed in the next step.)

Screw the straight fitting on the inflation valve on the air spring. Route the tubing from the air spring to the anticipated location of the inflation valve, making sure to avoid direct heat from the engine, exhaust pipe and away from sharp edges. Secure the air line with the Nylon ties provided in your kit.

### **STEP 7 —INSTALL THE AIR LINE AND INFLATION VALVE**

Select a location on the vehicle for the air inflation valves. The location can be located on the bumper or the body of the vehicle, as long as it is in a protected location so the valve will not be damaged, but maintain accessibility for the air chuck. Drill a 5/16" hole and install the air inflation valve using two 5/16" washers per valve as supports.

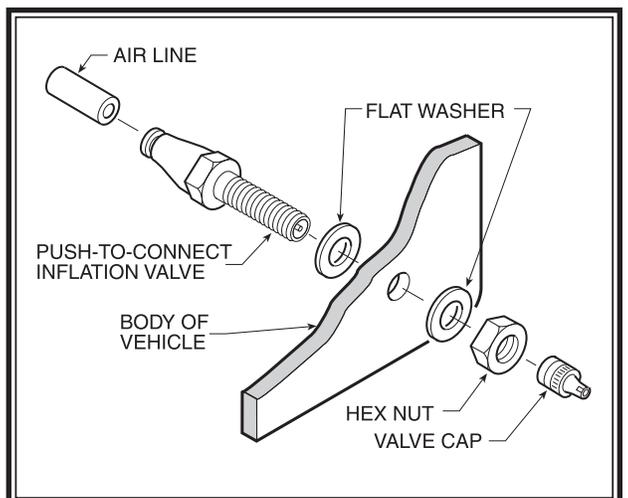
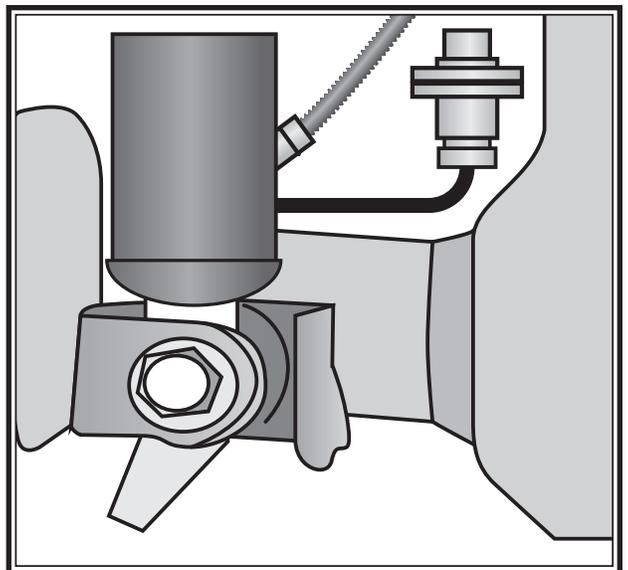
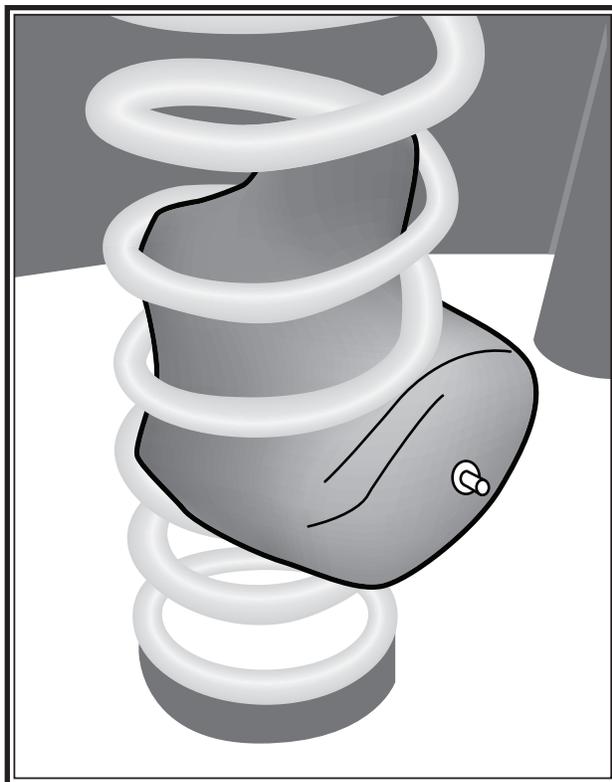
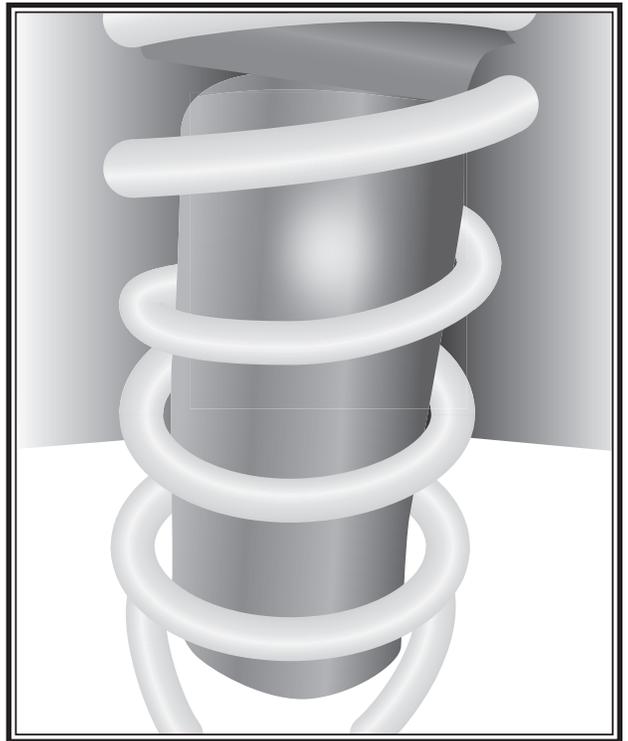
### **STEP 8 — INFLATE AND TEST**

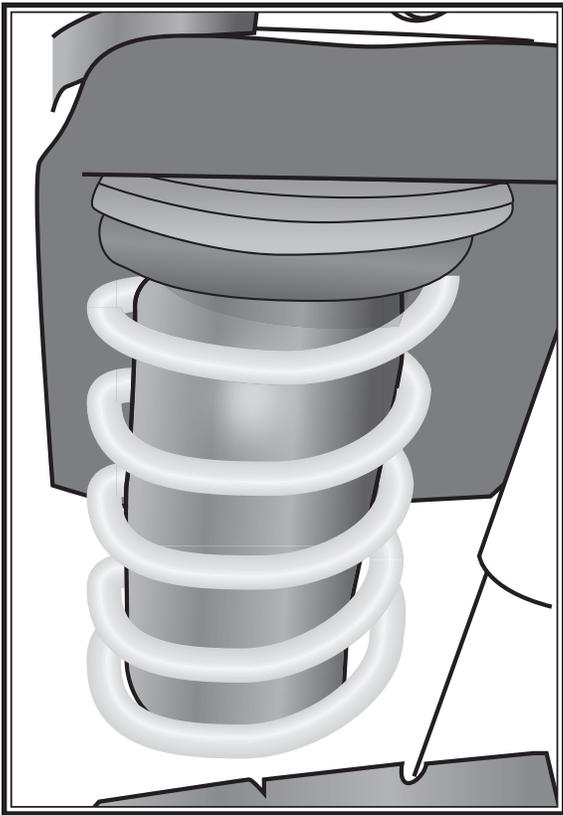
Inflate the air springs to recommended operating pressure. With a soap and water solution, check for air leaks around the fittings and valve core. We recommend inflating and deflating in 5 psi increments to find the ideal riding condition for your truck.

### **STEP 9 — COMPLETION**

This now completes the installation. Raise the vehicle and remove the jack stands and lower the vehicle back onto the ground.

**NOTE:** Check air pressure on a monthly basis.





**OPERATING PRESSURES:**

MINIMUM (UNLOADED)	5 PSI
MAXIMUM (LOADED)	35 PSI



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