

**Read installation instructions in its entirety before installing your Coil-Rite Kit**

## STEP 1 - VEHICLE PREPARATION

Remove the positive battery cable. With the vehicle on a solid level surface chock the front wheels. Raise the rear wheels of the vehicle using a lift or platform jack rated for your vehicle weight. 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 2 - AIR SPRING PREPARATION

Cut a section of air line tubing 3 inches in length and insert into the push-to-connect air inlet on the air spring (a "saw" cut with a sharp knife is preferred). Exhaust the air from the air spring by rolling it up toward the air inlet. After the air is exhausted, install the plug into the tubing coming out of the air spring *see Figure "A"*.

## STEP 3 - INSTALL RETAINER AND PROTECTOR

Place the retainer plate in the coil spring so that the tabs on the retainer hook over the turns on the coil. Rotate the retainer plate within the coil spring until the retainer is on the lowest possible turn in the coil spring *see Figures "B" & "C"*. Install the upper protector onto the stud inside the coil spring. *See Figure "D"*.

## STEP 4 - INSTALL THE AIR SPRING

Insert the bottom of the flattened air spring into the coil spring through the lowest opening in the coil spring with the push-to-connect air inlet at the bottom of the coil spring *see Figure "D"*.

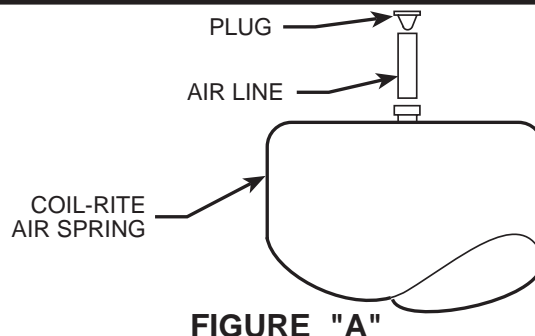
## PARTSLIST

DESCRIPTION	QTY.
AIR SPRING	2
PLUG	1
RETAINER PLATE	2
UPPER PROTECTOR	2
18' AIR LINE	1
NYLON TIE	6
INFLATION VALVE	2
5/16" FLAT WASHER	4

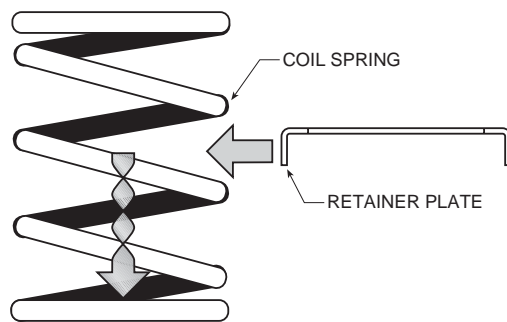
## WARNING

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

**FOR BEST RIDE** use only enough air pressure in the air helper springs to level the vehicle when viewed from the side (front to rear). This amount will vary depending on the load, location of load, condition of existing suspension and personal preference.



**FIGURE "A"**



**FIGURE "B"**

## RECOMMENDED OPERATING PRESSURES

Van	5 - 35 p.s.i.
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### STEP 5 - ADJUST THE AIR SPRING

Push the air spring up into the coil spring by hand or with a blunt tool, such as a socket extension. **DO NOT** use any thing with sharp edges or corners, as this may damage the air spring.

When the air spring is completely within the coil spring, remove the plug and tubing section by pushing the collar on the fitting towards the air spring and pulling out the tubing. Allow the air spring to return to its normal shape.

Push the air spring to the top of the coil spring and orient the air spring so that the push-to-connect air fitting on the air spring is visible through the hole in the retainer plate.

### STEP 6 - ROUTE THE AIR LINE

Cut the air line tubing into two equal lengths, making sure the tubing is cut as squarely as possible (a "saw" cut with a sharp knife is preferred). Select a location on the vehicle for the inflation valves. This location can be on the bumper or body of the vehicle, as long as it is in a protected area. (*Note: The inflation valve will be installed in Step 7.*)

Insert the air line tubing into the push-to-connect fitting on the air spring as far as possible. Route the air line from the air spring to the desired inflation valve location.

With the tubing routed from the air spring to the inflation valve location, use the nylon ties supplied to secure the air line tubing to the vehicle *see Figure "E"*. Route the tubing to avoid heat and sharp edges when fastening the tubing to the vehicle. Route the tubing away from the exhaust system. A heat shield and installation manual have been provided to protect the air spring from exhaust heat.

### STEP 7 - INSTALL THE INFLATION VALVE

Drill a 5/16" hole where you wish to mount the inflation valve. Remember to keep the inflation valve in a protected area that is easily accessible. Attach the inflation valve to the bumper or body of the vehicle *see Figure "F"*.

Cut the excess air line tubing so that it will fit easily into the inflation valve, making sure the end is cut squarely (a "saw" cut with a sharp knife is preferred). Push the end of the tubing into the inflation valve as far as possible.

### STEP 8 - INSTALL THE OPPOSITE-SIDE AIR SPRING

Follow steps 2-7 to install the second air spring on the remaining side of the vehicle.

### STEP 9 - 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. We recommend inflating and deflating in 5 p.s.i. increments to find the ideal riding condition for your vehicle.

This now completes the installation. Raise the vehicle and remove the jack stands and lower the vehicle to the ground. Re-attach the positive battery cable.

