



# Installation Instructions

*Read completely before installing*

**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.**

## PARTS LIST

AIR SPRINGS	6114	2
SUPPORTS	0027	2
AIR LINE ASSEMBLY	0048	1
INFLATION VALVES	3098	2
VALVE CAPS		2
5/16" WASHERS		4
THERMAL SLEEVES		2
TIE-WRAPS		6

## INSTALLATION INSTRUCTIONS

Congratulations – your new suspension helpers are a quality product 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 list at left.

## VEHICLE PREPARATION

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

## STEP 1 – SHOCK ABSORBERS OPTIONAL

If necessary, additional clearance between the coil turns can be obtained by removing the shock absorbers lower bolt and lowering the suspension and additional one to two inches. (CAUTION: Do not put strain or tension on the flexible brake line.)

## STEP 2 – AIR SPRING PREPARATION

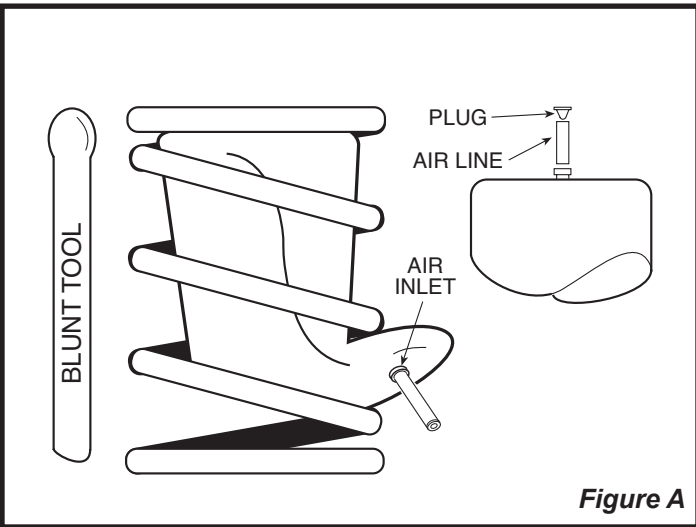
Remove the inflation valve cap from the inflation valve on the air spring. Using the valve cap core tool from your kit, remove the inflation valve out of the air spring. Exhaust the air spring by pushing it flat then re-insert the valve core back into the air spring to keep it collapsed.

## STEP 3 – INSTALLING THE AIR SPRING

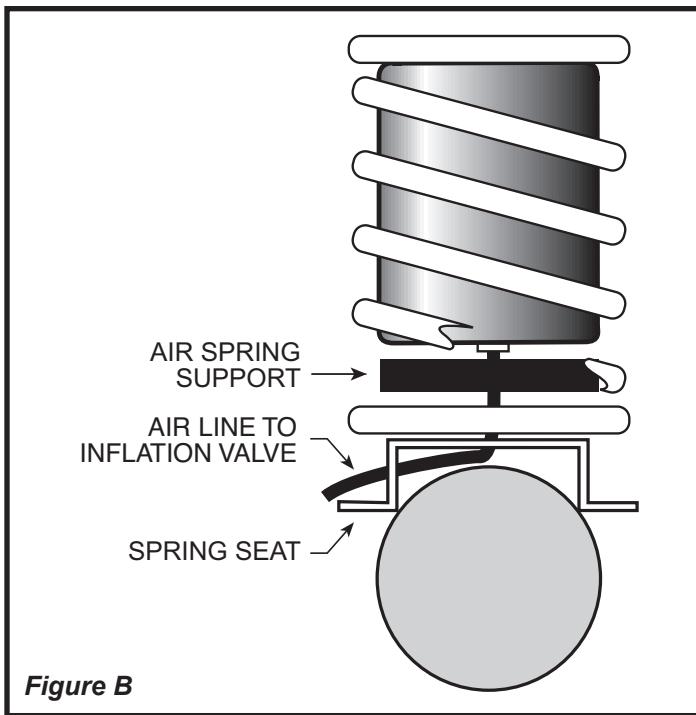
Insert the flattened air spring into the coil spring with the inflation valve at the bottom as shown. Push the air spring up into the coil spring by hand or with a blunt tool. **Do not** use anything with sharp edges or corners as this may damage the air spring.

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. Insert the support between the air spring and the bottom of the coil spring seat as shown. Insert the air spring support between the Coil-Rite air spring and the bottom seat of the coil spring. Screw the straight push-to-connect fitting onto the inflation valve fitting coming out of the air spring.



**Figure A**

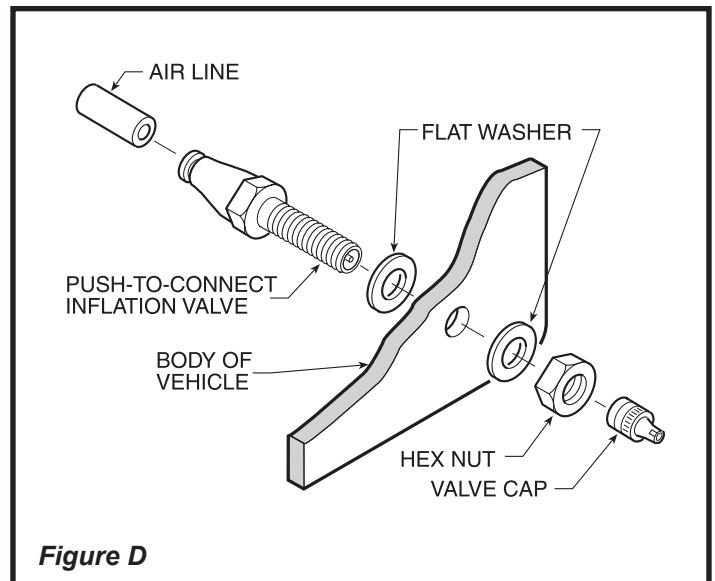
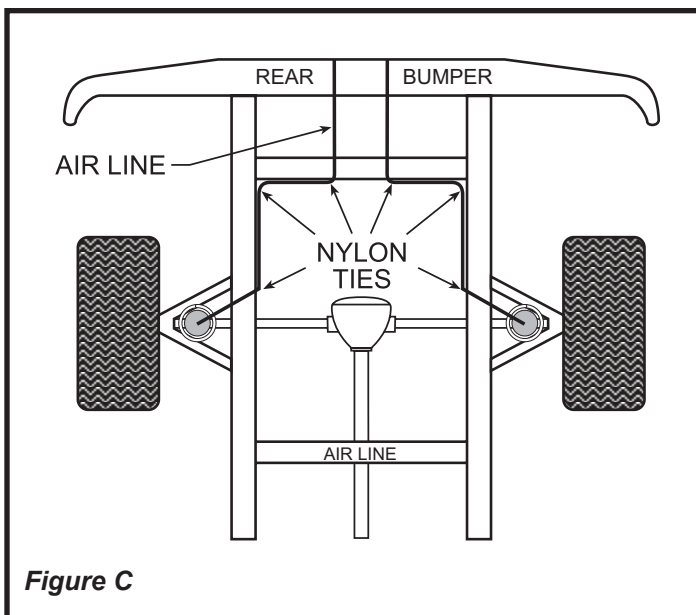


#### STEP 4 – RE-ATTACH THE SHOCK ABSORBER

Attach the shock absorber removed earlier in the installation and torque to manufacturer's specifications.

#### STEP 5 – 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, as shown in Figure D. Run the tubing from the air helper spring to the inflation valve, routing it to avoid direct heat from the engine, exhaust pipe, and away from the sharp edges. Thermal sleeves have been provided for these conditions. If a thermal sleeve is required, simply slide the sleeve over the air line tubing to the location requiring protection. The air line tubing should not be bent or curved sharply, as it may buckle. Secure the tubing in place with the nylon ties provided. Push the end of the air line tubing into the inflation valve.

#### STEP 6 - 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.

#### STEP 7 – COMPLETION

This now completes the installation. Raise the vehicle and remove the jack stands and lower the vehicle onto the ground. We recommend inflating and deflating in 5 psi increments to find the ideal riding condition for your vehicle.

#### OPERATING PRESSURES:

**MINIMUM (UNLOADED) – 5 PSI**

**MAXIMUM (LOADED) – 35 PSI**