

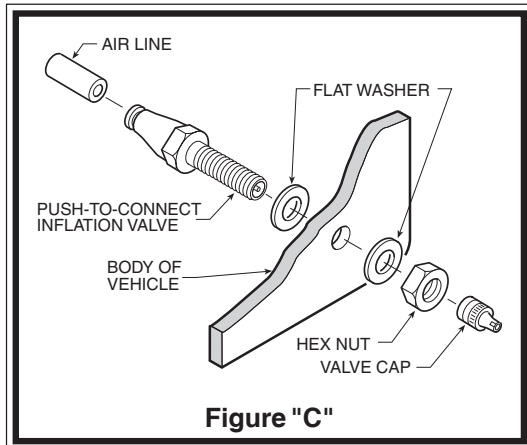
STEP 1 - PREPARE THE VEHICLE

With the vehicle on a solid, level surface chock the rear wheels. Raise the vehicle by the front axle and remove the front wheels. After the removal of the wheels, lower the vehicle so that the axle rests on jack stands rated for your vehicle's weight. Remove the negative battery cable.

STEP 2 - PRE-ASSEMBLE THE KIT

Pre-assembly will begin with the right side of the vehicle. All illustrations show the right side installation and assembly unless noted otherwise.

Select one air spring from the kit. Install the upper bracket by inserting the large stud on the top of the air spring into the large hole in the upper bracket, and the alignment pin on the air spring into the small hole on the upper bracket. *See Figure "A"*. Using the 5/8" - 18 Nylon jam nut, secure the upper bracket to the air spring. Install the air fitting as shown in *Figure "A"*. Tighten the air fitting securely to engage the orange thread sealant. No additional thread sealant is needed. Attach the lower bracket to the bottom of the air spring using the inside hole with a 3/8" - 16 x 1/2" flat head bolt.



STEP 3 - PRE-FIT AND MARK / DRILL HOLES

Place the assembly on top of the leaf stack forward of the axle. The hook on the lower bracket must capture the leaf spring U-bolt, *see Figure "A"*. Place the upper bracket flush against the frame rail. Using the holes in the bracket as a template, mark the holes to be

drilled with a center punch and remove air spring assembly from the vehicle. On some models, there may be some existing holes that will align with the holes in the upper bracket. These holes will have to be enlarged to 7/16". ***Before drilling, make sure all electrical, brake and fuel lines are cleared from the path of the drill.*** Damage to lines can be avoided by inserting a piece of wood between the frame rail and the lines in question. Drill the four holes in the frame rail using a 7/16" drill bit, *see Figure "A"*.

STEP 4- INSTALL THE ASSEMBLY TO THE VEHICLE

After drilling the holes in the frame rail, place the air spring assembly back on the leaf stack, making sure that the hook on the lower bracket captures the leaf spring U-bolt. *See Figure "A"*. Install the 3/8" - 16 hex bolts through the mounting holes in the upper bracket and into the frame rail. Fasten the upper bracket to the frame rail using the 3/8" - 16 flanged hex nuts, *see Figure "A"*. Next, attach the lower bracket to the leaf spring assembly. Insert the bracket clamp inbetween the leaf stack and the sway bar flange below the leaf stack as shown in *Figure "A"*. Insert the 3/8" - 16 x 1-1/2" carriage bolts through the square holes in the lower bracket and into the bracket clamp. *See Figure "A"*. Fasten the bracket clamp to the carriage bolts using the supplied 3/8" - 16 flanged hex nuts.

STEP 5 - INSTALL THE LEFT SIDE ASSEMBLY

Follow steps 1 - 4 for the assembly and installation of the left side assembly.

STEP 6 - INSTALL THE AIR LINE AND THE INFLATION VALVES

Uncoil the air line tubing and cut it into two equal lengths. ***DO NOT FOLD OR KINK THE TUBING.*** Try to make the cut as square as possible. Insert one end of the tubing into the fitting installed in the top of the air helper spring. Push the tubing into the fitting as far as possible.

Select a location on the vehicle for the air inflation valves. The location can be 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, *see Figure "B"*. Drill a 5/16" hole and install the air inflation valve using two 5/16" flat washers per valve as supports, *see Figure "C"*. 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 sharp edges. Thermal sleeves have been provided for these conditions.

