**WARNING:**

Do not inflate this assembly when it is unrestricted. The assembly must be restricted by the suspension or other adequate structure. Do not inflate beyond 100 psi. Improper use or over inflation may cause property damage or severe personal injury.

INSTALLATION INSTRUCTIONS

Congratulations - your new Air Helper Springs are quality products capable of improving the handling and comfort of your vehicle. 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 below.

The heart of the air helper spring kit is, of course, the air springs. Remember that the air helper springs must flex and expand during operation, so be sure that there is enough clearance to do so without rubbing against any other part of the vehicle.

Be sure to take all applicable safety precautions during the installation of the kit. The instructions listed in this brochure and the illustrations all show the left, or driver's side of the vehicle. To install the right side assembly simply follow the same procedures.

Your kit includes separate inflation valves and air lines for each air helper spring. This will allow you to level your vehicle from side to side as well as from front to back. If you would rather have a single valve inflation system, your dealer can supply the required "T" fitting.

IMPORTANT!

For your safety and to prevent possible damage to your vehicle, do not exceed the maximum load recommended by the vehicle manufacturer (GVWR). Although your Air Helper Springs are rated at a maximum inflation pressure of 100 psi, this pressure may allow you to carry too great a load on some vehicles. It is best to have your vehicle weighed once it is completely loaded and compare that weight to the maximum allowed. Check your vehicle owner's manual or data plate on driver's side door for maximum loads listed for your vehicle.

When inflating your Air Helper Springs, add air pressure in small quantities, checking pressure frequently during inflation. The air spring requires much less air volume than a tire and, therefore, inflates much quicker.

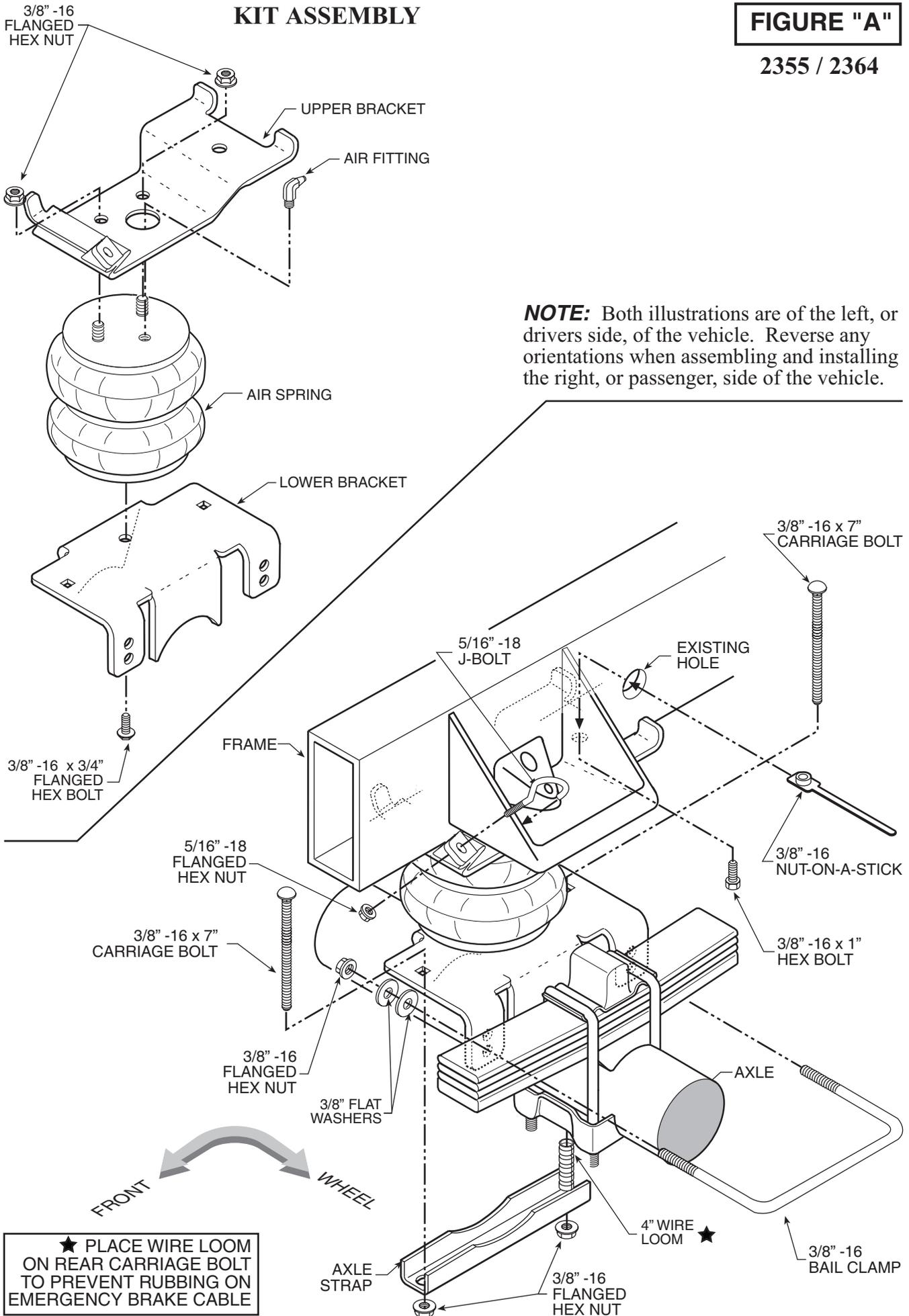
PARTS LIST

AIR SPRING	6781	2	5/16"-18 J-BOLT	2
UPPER LEFT BRACKET	5474	1	5/16"-18 HEX NUT	2
UPPER RIGHT BRACKET	5475	1	5/16" FLAT WASHER	4
LOWER BRACKETS	5476	2	AIR LINE TUBING	1
BRACKET CLAMP	5433	2	PUSH TO CONNECT	
3/8"-16 BAIL CLAMP	3077	2	INFLATION VALVE	3032
3/8"-16 FLANGE NUT		12	PUSH TO CONNECT	
3/8"-16 x 7" CARRIAGE BOLT		4	ELBOW FITTING	3031
3/8"-16 X 3/4" FLANGE BOLT		2	4" WIRE LOOM	2
3/8"-16 x 1" HEX BOLT		2	THERMAL SLEEVE	2
3/8"-16 NUT-ON-A-STICK		2	NYLON TIE	6
3/8" FLAT WASHER		8	CAUTION TAG	2

FIGURE "A"

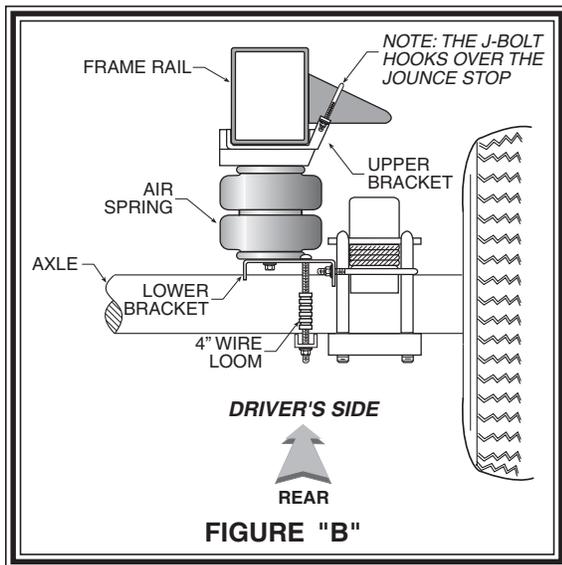
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KIT ASSEMBLY



NOTE: Both illustrations are of the left, or drivers side, of the vehicle. Reverse any orientations when assembling and installing the right, or passenger, side of the vehicle.

★ PLACE WIRE LOOM ON REAR CARRIAGE BOLT TO PREVENT RUBBING ON EMERGENCY BRAKE CABLE



NOTE:

Please read through this manual completely before installing the air spring kit to your vehicle.

STEP 1 – PREPARE THE VEHICLE

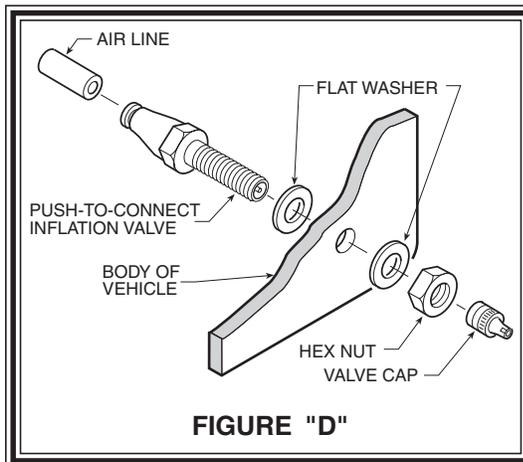
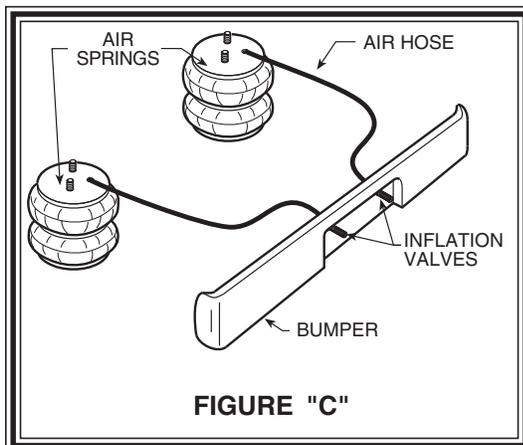
With the vehicle on a solid, level surface chock the front wheels. Remove the negative battery cable. Raise the vehicle by the axle and remove the rear wheels. After the removal of the wheels lower the vehicle so the axle rests on jack stands rated for vehicles weight. Remove the negative battery cable.

STEP 2 – PRE-ASSEMBLE THE KIT

Select one air helper spring and one upper bracket from your kit. Install the upper bracket to the air spring by inserting the air helper spring studs into the holes, use two 3/8"-16 flange lock nuts to secure the bracket to the air spring, *see Figure "A"*. Install the air fitting as shown in *Figure "A"*. Tighten the air fitting securely to engage the orange thread sealant. Position the elbow so as to point in the anticipated location of the air inflation valve, *see Figures "A" and "C"*. Fasten the lower bracket to the air helper spring using a 3/8"-16 x 3/4" hex bolt, *see Figure "A"*.

STEP 3 – INSTALLING THE ASSEMBLY TO THE VEHICLE

Place the assembly on the driver's side on top of the axle. Attach the upper bracket to the jounce stop with the 5/16"-18 J-bolt and 5/16"-18 hex nut. *See Figures "A" and "B"*. Next, insert the nut-on-a-stick through the existing hole in the frame and place it over the hole that is aligned with the hole in the upper bracket. Insert a 3/8"-16 x 1" hex bolt through the bottom of the upper bracket, through the frame rail, and into the nut-on-a-stick. *See Figure "A"*. Attach the lower bracket to the axle using two 3/8"-16 x 7" carriage bolts, the axle bracket strap and 3/8"-16 flange lock nuts. Place the 4" wire loom over the rear carriage bolt, *see Figure "A"*. Be sure that the upper bracket and the lower bracket are not pinching any lines, it may be necessary to reposition some lines to avoid contact with the brackets. Once the assembly is in place, you must have a minimum of 1/2" clearance around the air spring for proper operation.



STEP 4 – INSTALLATION TO THE PASSENGER'S SIDE ASSEMBLY

Reverse any orientations when assembling and installing the right, or passenger's side of the vehicle.

STEP 5 – INSTALL THE AIR LINE AND INFLATION VALVE

Uncoil the air line 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 air line into the elbow fitting installed in the top of the air helper spring. Push the tubing into the fitting as far as possible; *see Figure "A"*.

Select a location on the vehicle for the air inflation valves. The location can be on the bumper or 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 "C"*.

