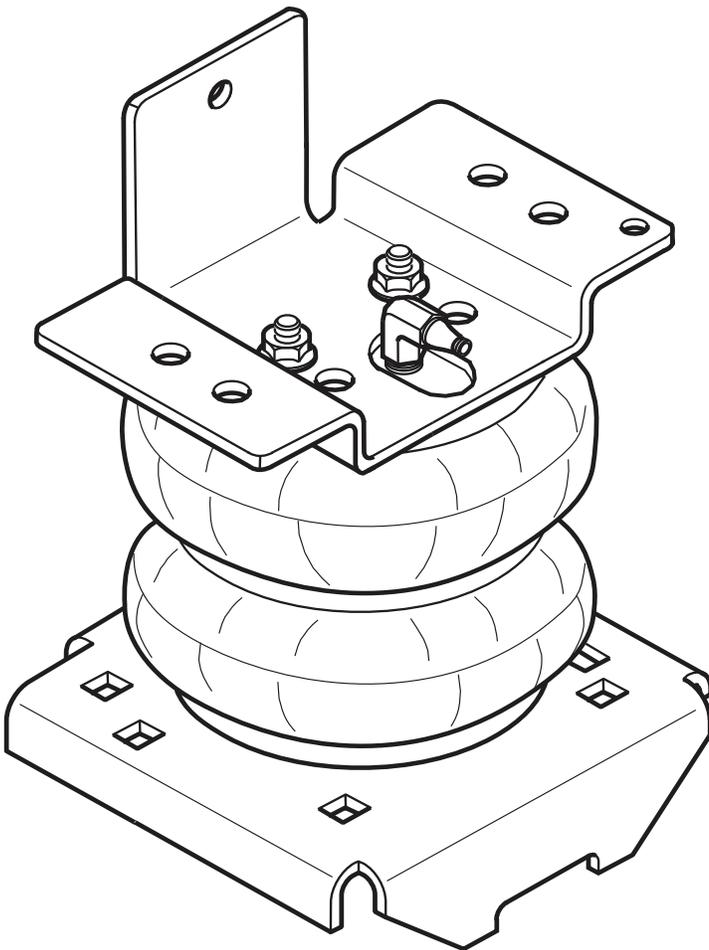




81213009 01-10 GM C2500-C3500-K2500-K3500 Commercial

Congratulations - your new LevelTow 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.



Components	Part#	QTY
AIR SPRING	6781	2
UPPER BRACKET	5295	2
LOWER BRACKET	5300	2
NUT PLATE BRACKET	5299	2
AIR LINE TUBING	0938	1
HEAT SHIELD	1004	1
BAIL CLAMP	3373	2

Hardware

THERMAL SLEEVE	0899	2
3/8" -16 X 1-1/2" HEX BOLT		4
3/8" -16 FLANGE NUT		12
3/8" -16 X 3/4" FLANGE LOCK		2
3/8" -16 X 8" CARRIAGE BOLT		4
5/16" FLAT WASHER		4
1/4" -14 SELF-TAPPING SCREW		2
3/8" FLAT WASHER		4
M16 X 2.0 LOCK NUT		4

WARNING!

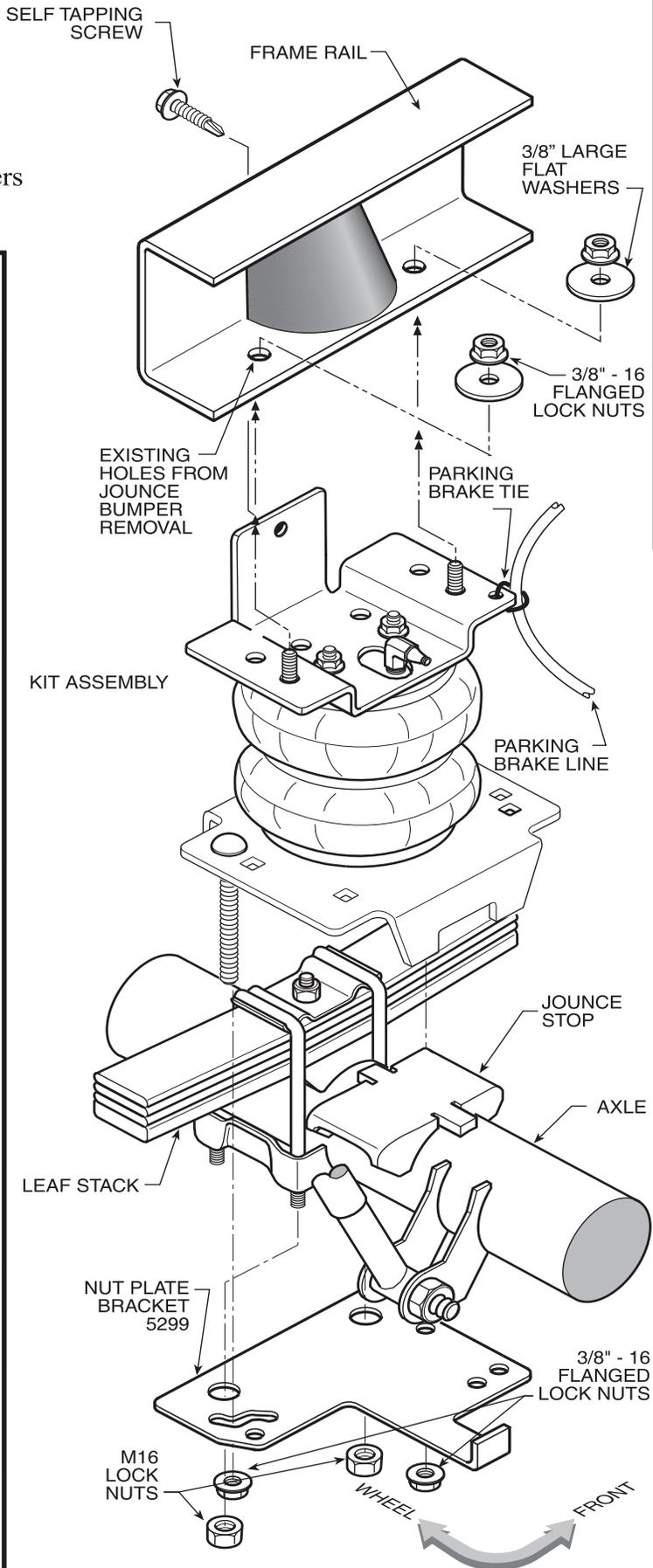
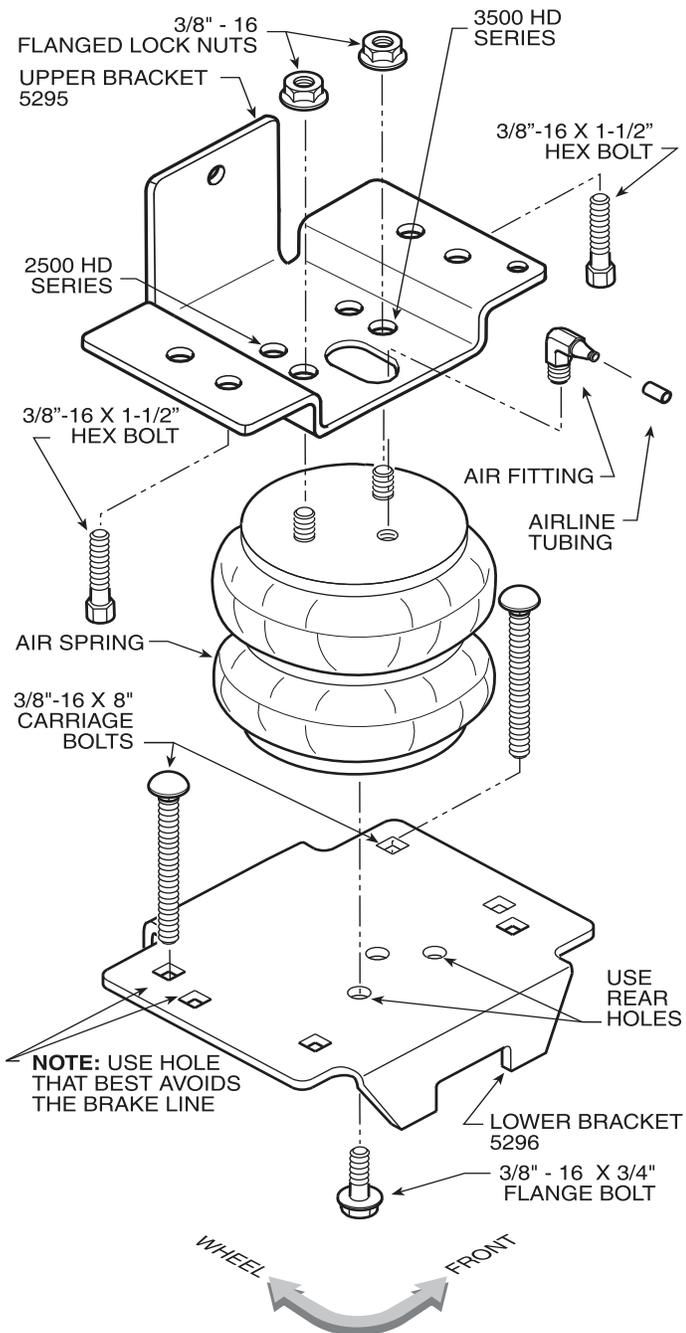
Do not inflate this assembly when it is unrestricted. The assembly must be restricted by the suspension or other adequate structure. Do not inflate beyond 100 P.S.I. Improper use or over inflation may cause property damage or severe personal injury.

KIT TO FRAME ASSEMBLY

FIGURE "A"

NOTE: Both illustrations are of the left, or drivers side, of the truck. Refer to step 3 for the proper lower bracket alignment.

KIT ASSEMBLY



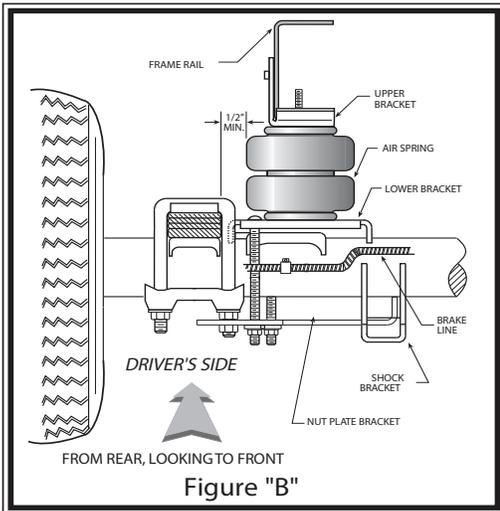


Figure "B"

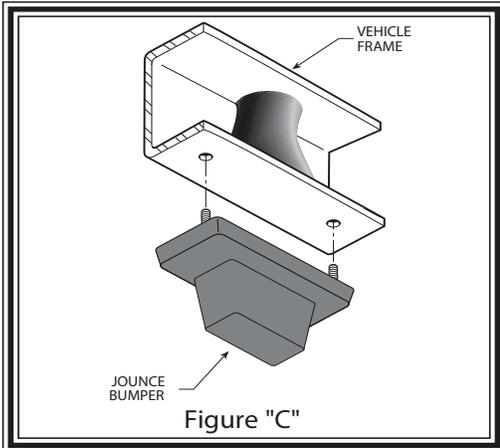


Figure "C"

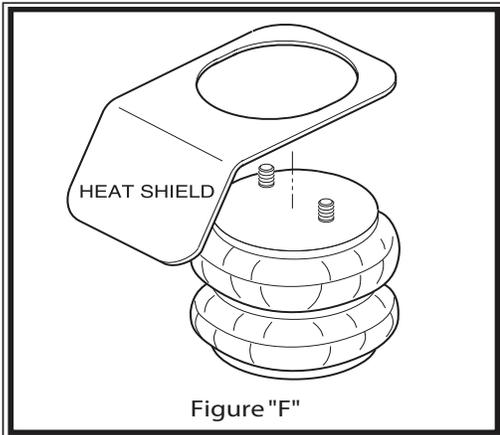
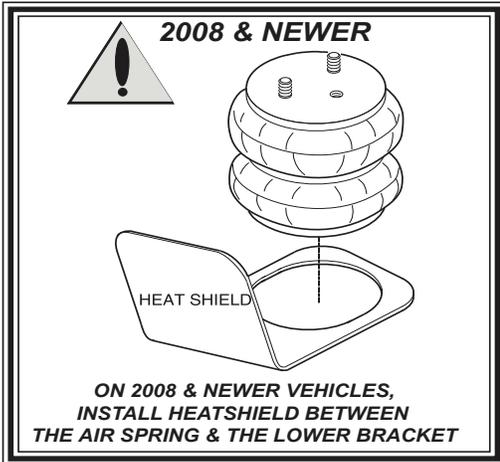


Figure "F"



NOTE :

Please read through this manual completely before installing the air spring kit to your vehicle. A heat shield is required on the exhaust side of the vehicle.

STEP 1 - PREPARE THE VEHICLE

With the vehicle on a solid, level surface chock the front wheels. Remove the negative battery cable. Remove the jounce bumper located under the frame rail, *see Figure "C"*. The jounce bumpers and nuts will not be reused with this kit.

STEP 2 - PRE-ASSEMBLE THE KIT

Select one air helper spring from your kit. Use the mounting holes closest to the outside of the vehicle for the 2500 series truck and use the other mounting holes for the 3500 series truck, *see Figure "A"*. Install the upper bracket by inserting the air helper spring studs into the holes, use two 3/8" - 16 lock nuts to secure the bracket to the air spring, *see Figure "A"*. Install the elbow fitting into the air spring through the large access hole in the upper bracket. Tighten the air fitting securely to engage the orange thread sealant. Position the fitting to point to the anticipated location of the air inflation valves, *see Figure "A" & "D"*. Place the 3/8"-16 x 4.5" carriage bolts into their designated holes and then fasten the lower bracket to the air helper spring using a 3/8"-16 x 3/4" flange hex bolt, *see Figure "A"*.

STEP 3 - INSTALLING THE ASSEMBLY TO THE VEHICLE

Place the assembly on the top of the driver's side axle housing, *see Figures "A" & "B"*. Using the existing jounce bumper holes, install the upper bracket onto the frame with 3/8"-16 x 1-1/2" bolts, large flat washers, and 3/8"-16 lock nuts. The 3/8"-16 x 1-1/2" bolts will be facing upward with the washers and nuts on the inside of the frame rail, *see Figure "A"*. The upper bracket will also be attached to the outside of the frame rail. Using the existing hole in the upper bracket as a template, drill a 1/8" pilot hole in the side of the frame rail to ease the insertion of the 1/4" x 1" self-tapping screw, *see Figure "A" & "B"*. **On the drivers side only, the parking brake line will need to be tie-wrapped to the upper bracket, *see Figure "A" & "B"*.** Position the nut plate bracket on the leaf spring retainer below the axle. Two of the U-bolt studs should protrude through the holes in the nut plate bracket. Attach the nut plate bracket to the U-bolts with the provided M16 x 2.0 hex nuts. Attach the lower bracket to the axle using the nut plate bracket and 3/8"-16 flange lock nuts, *see Figure "A"* for bolt location. The lower bracket should fit without altering the brake lines. If the brake lines are touching the bracket, it may be necessary to reposition the line to avoid contact with the bracket. Once the assembly is in place, you must have a minimum of 1/2" clearance around the air spring for proper operation, *see Figure "B"*.

STEP 4 - INSTALLATION OF THE PASSENGER'S SIDE ASSEMBLY

*Note: The use of a heat shield is required on the passenger's side of the vehicle, *see Figure "F"*.* The heat shield will mount between the upper bracket and the air helper spring. Bend the heat shield so it will fall halfway between the air helper spring and the closest point on the exhaust. Be sure that the heat shield will not contact any other component as the suspension compresses (*i.e.* brake lines, shock absorbers, lower bracket assembly). Follow steps 1-3 for assembly and installation of the passenger's side.

STILL HAVE QUESTIONS?

Tech line hours

Monday - Friday
8Am - 6PM (EST) 812-482-2932

