



INSTALLATION INSTRUCTIONS

Congratulations – your new Work-Rite load assists are quality products 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 below.

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.

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.

STEP 1 - PREPARE THE VEHICLE

With the vehicle is on a solid level surface, chock the front wheels. This vehicle does not have to be raised up to install the kit. Remove the negative battery cable. *This installation assumes that there is no load on the vehicle.*

STEP 2 - PREASSEMBLE THE KIT

Select two Work-Rite bumpers and an upper bracket from your kit. Fasten the upper bracket to the Work-Rite bumpers using the 3/8" -16 x 1-1/2" hex bolts inserted into the bottom of the bumpers, through the top hole, and into the holes in the upper bracket. Secure with a flanged hex nut. **See Figure "A"**.

STEP 3 - PREPARE THE FRAME

The frame rail on the driver's side of the vehicle will require the relocation of three items that will interfere with the upper bracket and air spring. This is accomplished by relocating the existing nuts, bolts, and clips on the frame rail that fall between the upper bracket flanges.

- 1.) The emergency brake line clip will be moved toward the rear of the vehicle **see Figure "B"**.
- 2.) The plastic line harness located on the inside of the frame rail will be moved 2-1/4" toward the rear of the vehicle. Two 3/8" holes will have to be drilled to relocate the line harness **see Figure "B"**.
- 3.) The ground strap bolt must be relocated to fall outside the upper bracket flanges **see Figure "B"**. Please note that the nuts, bolts and clips may be placed in various locations depending upon your specific model.

STEP 4 - ATTACH THE ASSEMBLY TO THE FRAME

The three existing slots in the frame rail will be used in addition to one hole drilled in the frame rail to attach the upper bracket. The slots will have to be enlarged to allow the bolts to pass through. Place the upper bracket on the outside of the frame rail, aligning the holes in the bracket with the slots in the frame **see Figure "A"**. Using the upper bracket as a template, mark the hole to be drilled in the frame rail with a center punch. Remove the upper bracket and drill a hole on the center mark using a 7/16" drill bit. **Before drilling, make sure that all electrical, brake, and fuel lines are cleared from the path of the drill bit.** Damaging the lines can be avoided by inserting a piece of wood between the frame rail and any lines in the path of the drill bit.

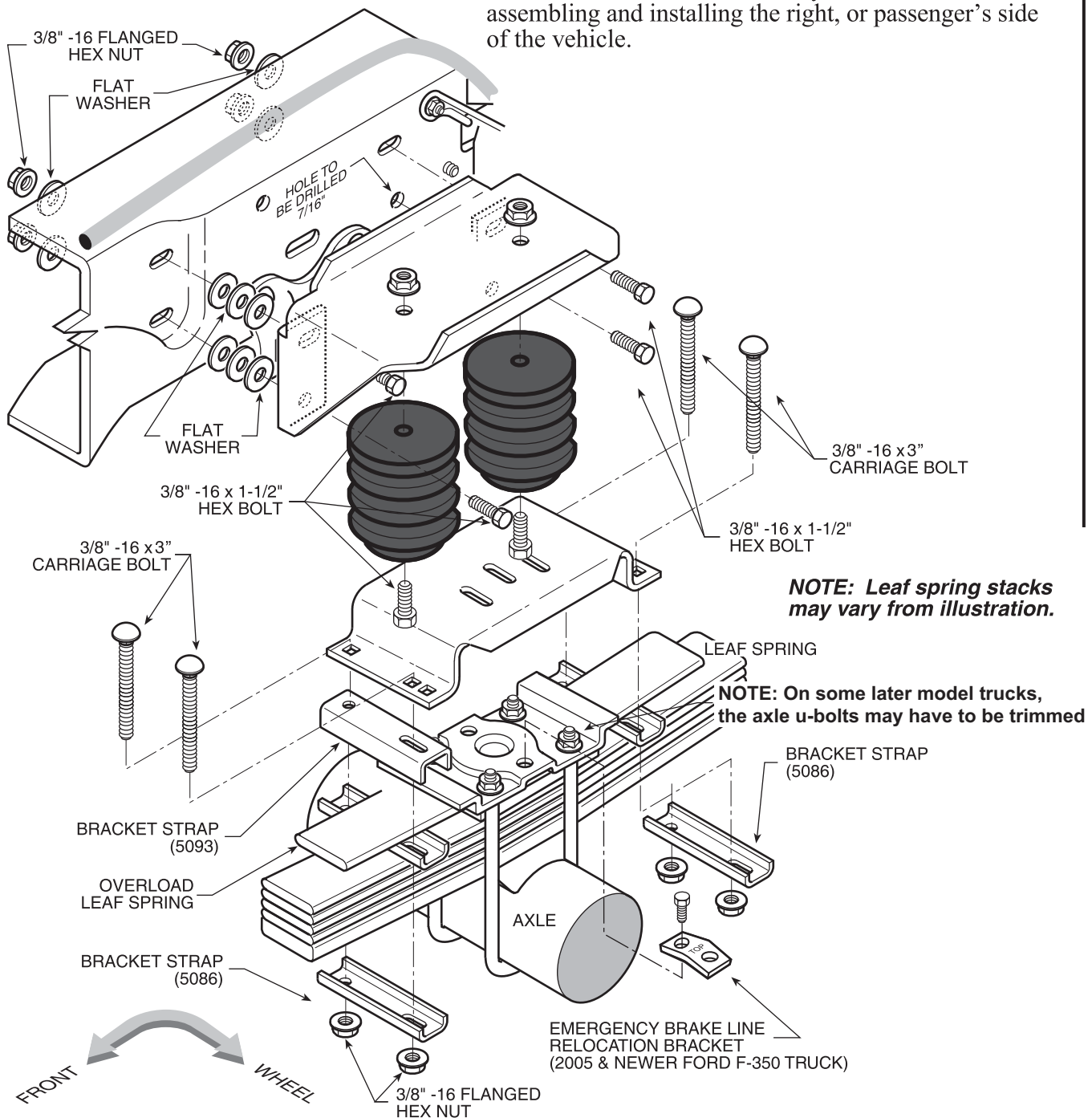
PARTS LIST

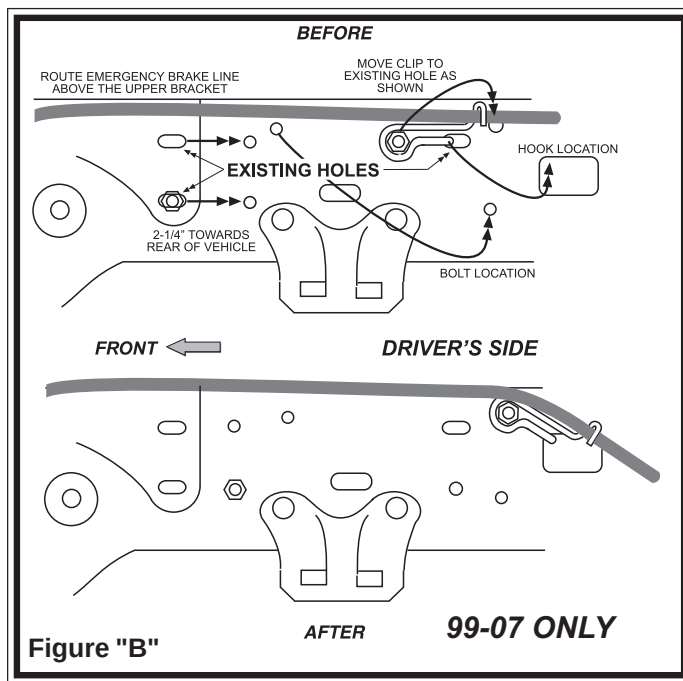
BOLT PACK (A27-760-8630)

WORK-RITE BUMPER	1261	4	3/8" LARGE FLAT WASHER	14
UPPER BRACKET	5708	2	3/8" -16 x 3" CARRIAGE BOLT	8
LOWER BRACKET	5092	2	3/8" -16 x 1-1/2" HEX BOLT	12
1/2" BRACKET STRAP	5086	8	3/8" -16 FLANGED LOCK NUT	16
1" BRACKET STRAP	5093	2		
OPTIONAL SPACER	0013	4		

FIGURE "A"

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

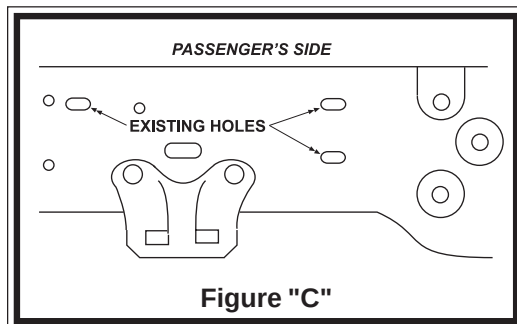




Attach the upper bracket to the frame rail using the drilled hole and a 3/8" -16 x 1-1/2" hex bolt, 3/8" -16 flanged hex nut, and large washer, making sure that the remaining holes in the bracket are aligned with the slots in the frame rail *see Figure "A"*. With the upper bracket secured in place, drill through the three holes in the upper bracket and through the slots in the frame rail with a 7/16" drill bit. Using the supplied 3/8" -16 x 3/4" hex bolts, 3/8" -16 flanged hex nuts, and large washers, attach the bracket to the frame rail. Note that three large washers will be placed between the forward bracket flange and the frame rail on both flange attaching locations *on the left side of the vehicle only*. This allows the air spring assembly to mount flush with the frame rail *see Figure "A"*.

STEP 5 - ATTACH THE LOWER BRACKET TO THE VEHICLE

Place the lower bracket and air spring on the leaf stack and install the 1/2" or 1" spacer between the lower bracket and the leaf stack on the forward end of the assembly to align the upper and lower brackets as close to parallel as possible *see Figures "A" & "D"*. Insert



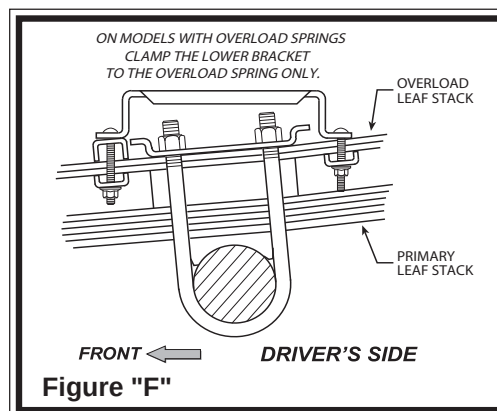
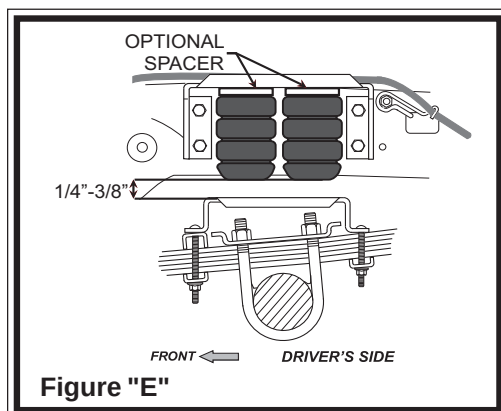
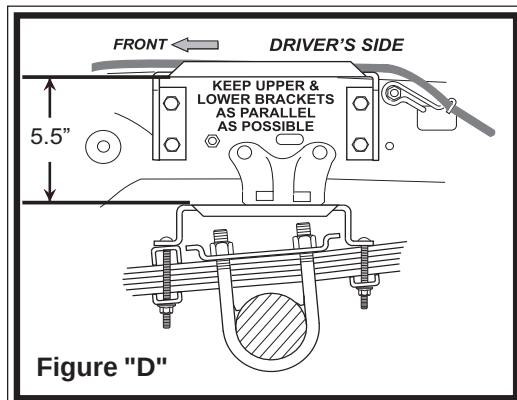
the carriage bolts through the square holes in the lower bracket. Slide the bracket straps onto the carriage bolts to clamp the lower bracket to the leaf stack *see Figures "A" & "D"*. Fasten the bracket strap to the carriage bolts using two 3/8"-16 flanged hex nuts. *Note:* the bracket strap will clamp around the overload springs only *see Figures "A" & "E"*.

STEP 6 - INSTALL THE PASSENGER'S SIDE ASSEMBLY

Reverse any orientations when assembling and installing the right, or passenger's, side of the vehicle. Note that the installation on the passenger's side does not require the flat washers between the upper bracket and the frame rail. The passenger's side installation will not require the relocation of any existing hardware on the frame rail.

STEP 7 - FINISH UP

This now completes the installation. Re-attach the negative battery cable and remove the wheel chocks from the front wheels. Now you're finished and ready to put your Work-Rite's to use.





Do Not Return This Product to the Dealer or Distributor

If you are

- missing parts,
- experiencing installation problems, or
- have technical concerns regarding this product,

you may contact a Firestone Technical Service Representative at rrtech@fsip.com or at 800-888-0650 (option 1, and then option 2). Representatives are available from 7:30 a.m. – 4:30 p.m. Eastern on Monday – Friday, excluding holidays. If you are located outside of the United States, you should first contact your distributor or dealer directly with any issues.

When contacting Technical Service, please have the kit or part # ready, along with the make, model, and year of the vehicle. You may also need to provide details, such as 2WD/4WD or if the vehicle has been lifted or lowered from stock height.

If you have a warranty concern, please include in your email a detailed description of the situation, a photo(s) of the issue, and your contact information, including ship-to address.

WARRANTY COVERAGE*— The Ride-Rite™ kits, components, and accessories are warranted against defects in workmanship and materials. This warranty does not cover service or labor charges, neglect...to the product.

PERIOD OF COVERAGE:

- | | |
|---|---|
| • Ride-Rite air springs – Lifetime Limited | • Work-Rite load assists – 2 Years Limited |
| • Sport-Rite air springs – Lifetime Limited | • Air-Rite accessories – 2 Years Limited |
| • Coil-Rite air springs – Lifetime Limited | • Brackets, hardware, fittings, air line, and other |
| • Level-Rite air springs – Lifetime Limited | components – 2 Years Limited |

HOW TO MAKE A WARRANTY CLAIM — If you purchased your air springs in the U.S. or Canada and believe you have a part with a warrantable defect, call Firestone directly at 1-800-888-0650.

International customers should contact their distributors or dealers directly with any problems.

(*) Please refer to the “Firestone Limited Lifetime Air Spring Warranty” for details, terms, and conditions.

FIRESTONE LIMITED LIFETIME AIR SPRING WARRANTY

Firestone Industrial Products Company LLC ("Firestone") warrants that its Ride Rite Air Spring Assembly will perform according to the manufacturer's specifications for as long as the vehicle on which the system was originally installed is owned by the original retail purchaser. This limited warranty does not include installation or other service charges for replacement.

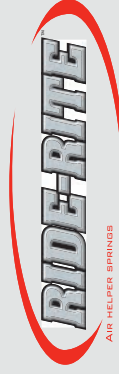
Warranty Period

The Air Spring is warranted for as long as the original purchaser owns the vehicle on which it was originally installed. The fasteners and upper and lower brackets which accompany the air spring are warranted for a period of twenty-four (24) months or 24,000 miles whichever occurs first. This warranty begins on the original retail delivery date.

What is Covered

Any implied warranties are limited in duration to the coverage period of this warranty (some states do not allow limitation on how long an implied warranty lasts so the above limitation may not apply to you). This Warranty runs in favor of the original retail purchaser when the Ride Rite Air Spring Assembly is used under normal operating conditions according to Firestone's specifications and installed on the appropriate application. This warranty does not apply to Ride Rite Air Spring Assemblies that have been improperly applied, improperly installed, used in racing or off road applications or used for commercial purposes. In addition, the warranty will not apply to products which have not been maintained and serviced according to the instructions that accompany the air spring assembly. The consumer will be responsible for any costs incurred in removing the product from the vehicle and the cost to return the air spring assembly to the dealer or installer from which it was purchased. If it is determined that the Ride Rite Air Spring Assembly failed as a result of a manufacturing defect, Firestone will repair or replace, at its option, any product or components subject to this warranty. You should retain a copy of your contract with your installer and your receipt as proof of the date of installation. This warranty is non-transferable and is not assignable in any way.

Firestone specifically excludes any obligation for consequential damages or incidental expenses including claims for loss of use of the product, loss of time, inconvenience, or commercial loss. This warranty gives you specific legal rights. You may also have other rights that may vary from state-to-state. Some states do not allow limitations on how long an implied warranty lasts or allow the exclusion or limitation of incidental or consequential damages. The above limitation or exclusion may not apply to you. There are no warranties, express or implied, including implied warranty of merchantability and fitness which extend beyond this warranty.



Firestone
World's Number 1
Air Spring.



FIRESTONE INDUSTRIAL PRODUCTS COMPANY