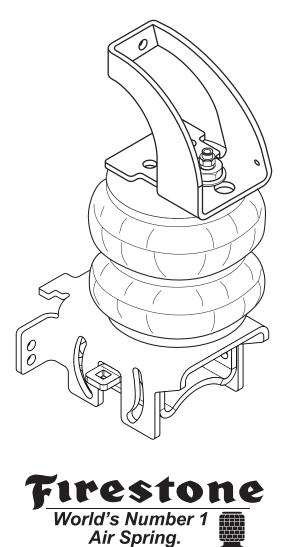


INSTALLATION INSTRUCTIONS



FIRESTONE INDUSTRIAL PRODUCTS COMPANY

! IMPORTANT

PLEASE DON'T HURT YOURSELF, YOUR KIT OR YOUR VEHICLE. TAKE A MINUTE TO READ THIS IMPORTANT INFORMATION.

DO NOT INSTALL IF THE TRUCK HAS BEEN LIFTED AND THE STOCK JOUNCE BUMPER SPACERS ARE NOT ON THE VEHICLE. *This kit is to be used on a pickup truck only, and DOES NOT INCREASE YOUR VEHICLE'S MAXIMUM LOAD.*

SAFE INSTALLATION

Please take all safety precautions during installation. A hydraulic jack can fail, and if that happens, you can be seriously hurt, or worse, if you are relying on it to hold up the vehicle. If you use a hydraulic jack, secure jack stands in the appropriate locations and chock any tires still touching the ground.

Wear safety glasses or goggles. Your eyes may be lower than some parts and pieces, and you don't want to lose an eye.

Remove the possibility of any electrical issues by disconnecting the negative battery cable.

KIT CLEARANCE

There must be a minimum of 1/2" clearance around all installed components when the Air Springs are inflated and under a load. The Air Springs must flex and expand during operation, so the clearance keeps the kit from rubbing against parts of the vehicle.

VEHICLE GVWR

NEVER exceed the maximum load recommended by the vehicle manufacturer (GVWR). The GVWR can be found in your vehicle's owner's manual or on the data plate on the driver's side door.

INFLATING THE AIR SPRINGS

When inflating Air Springs, add air pressure in small quantities, checking air pressure frequently. The Air Springs have much less air volume than a tire, so they inflate much more quickly.

PRESSURE TO LOAD

The Air Springs will support approximately 50 lbs. of load for each PSI of inflation pressure (per pair). For example, 50 PSI of inflation pressure will support a load of 2500 lbs. per pair of Air Springs.

APPROPRIATE AIR PRESSURE

For best ride, use only enough air pressure in the Air Springs to level the vehicle when viewed from the side (front to rear). This will vary, depending on the load, location of the load, condition of the existing suspension, and personal preference.

OPTIONAL T-FITTING

This kit includes Inflation Valves and Air Line Tube for each Air Spring, allowing you to compensate for unbalanced loads. If you prefer a single Inflation Valve system to provide equal pressure to both Air Springs, your dealer can supply the optional "T" fitting (Part # 3025 or WRI-760-3461 retail pack).

ONCE INSTALLED SUCCESSFULLY, FOLLOW THESE PRESSURE REQUIREMENTS FOR THE AIR SPRINGS:



PARTS

Compare the parts below to your kit. Assure you have all pieces, and organize them for an easier installation.

MAIN KIT CONTENTS

PART # 8401		x 2	AIR SPRING	PART # 5845		x 2	SADDLE BRACKET	PART # 3077		x 2	BAIL CLAMP
PART # 5839	Contraction of the second seco	x 1	LEFT SIDE UPPER BRACKET	PART # 1163	o jo	x 2	AXLE STRAP BRACKET	PART # 1004	\bigcirc	x 1	HEAT SHIELD
PART # 5827		x 1	RIGHT SIDE UPPER BRACKET	PART # 5664		x 4	1/2" SPACER	PART # 9153		x 1	AIR LINE TUBE (30 FEET)
PART # 5843		x 2	LOWER BRACKET	PART # 5750		x 4	1/4" SPACER				

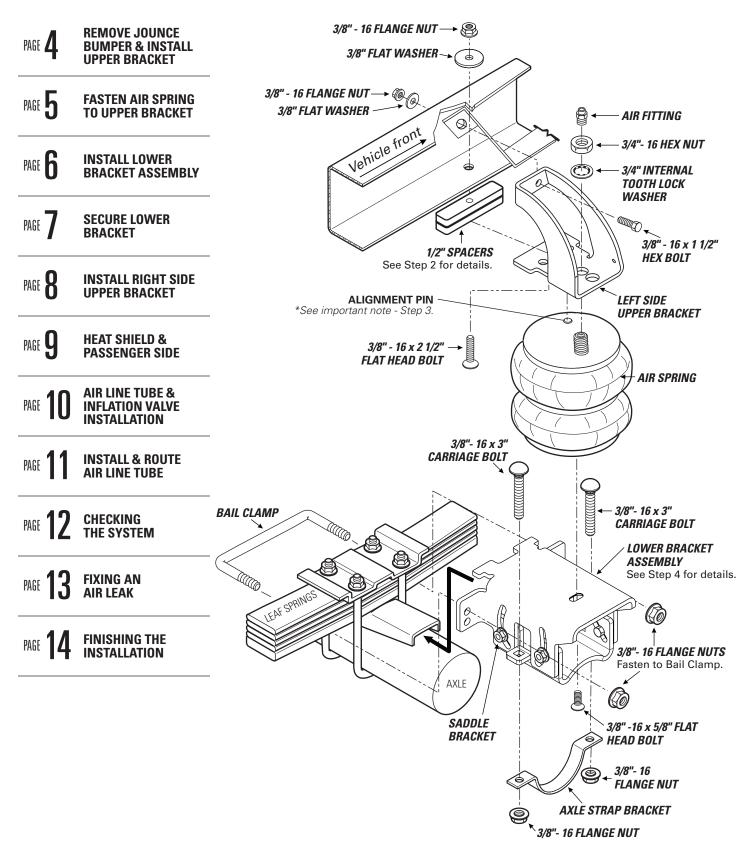
A24-760-7560 INFLATION VALVE BRACKET KIT



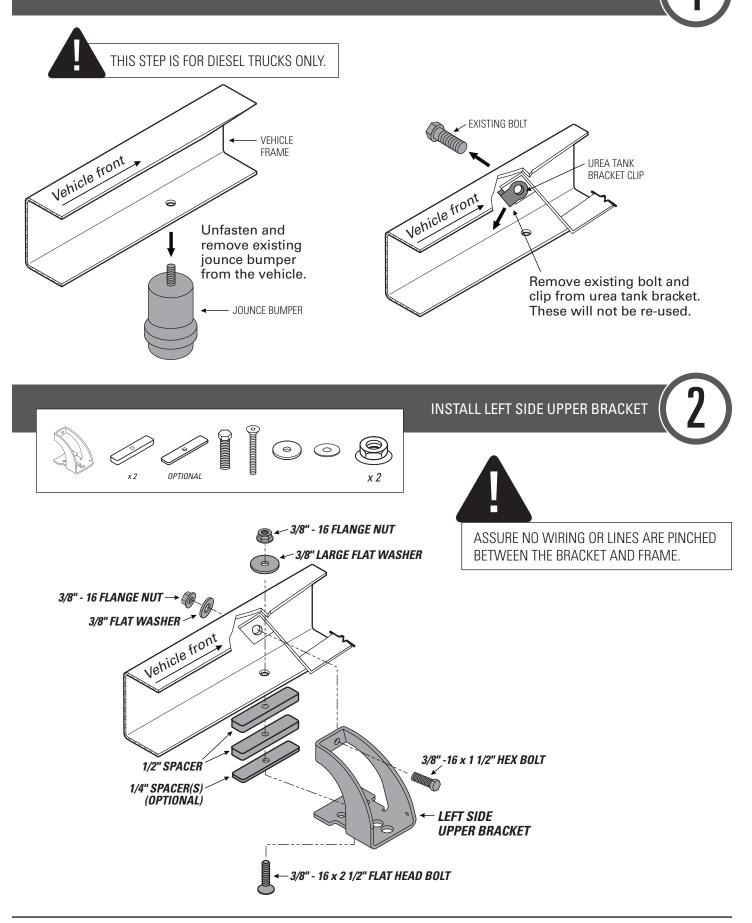
A21-760-2703 HARDWARE PACK

PT # 3029			" - 16 x 1 1/2" X HEAD BOLT	PT # 3488	8	x 19	3/8" - 16 NYLOCK NUT	PT # 3478	Ø	x 1	3/4" LOCK WASHER
PT # 3493	\bigcirc	x 20 (Us	" FLAT WASHER e as necessary n 3/8" Nylock Nuts)	PT # 0532	0	x 2	3/8" LARGE FLAT WASHER	PT # 3032		x 2	INFLATION VALVE AND VALVE CAP ASSEMBLY
PT # 3033	\odot	x 4 5/10	6" FLAT WASHER	PT # 3494		x 1	3/4" - 16 x 1 3/4" HEX HEAD BOLT	PT # 3046		x 2	AIR FITTING
PT # 3142			" - 16 x 5/8" IT HEAD BOLT	PT # 3485	9	x 2	3/4" - 16 HEX NUT	PT # 3481			
PT # 3479	0	x 1 3/4'	" THICK WASHER	PT # 3412	OD	x 1	3/4" - 16 FRAME NUT	PT # 9168			x 6 BLACK NYLON TIE
PT # 3338			" - 16 x 1" X HEAD BOLT	PT # 3064	\bigcirc	x 2	INTERNAL TOOTH LOCK WASHER	PT # 0899			x 2 THERMAL SLEEVE
PT # 3345			" - 16 x 2 1/2" IT HEAD BOLT	PT # 3480	0	x 1	3/4" FLAT WASHER				

CONTENTS AND OVERVIEW



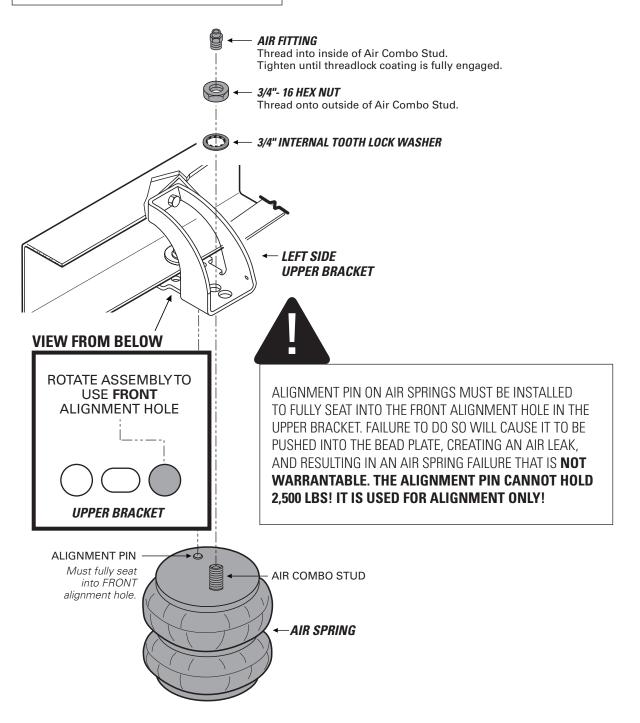
REMOVE EXISTING JOUNCE BUMPER & UREA TANK BOLT AND CLIP



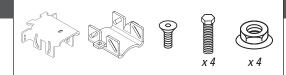
FASTEN AIR SPRING TO UPPER BRACKET



INSTALLING THE RIGHT SIDE? REMEMBER TO INSTALL THE HEAT SHIELD IN STEP 7 FIRST!



INSTALL LOWER BRACKET ASSEMBLY



Follow steps below to dry fit assembly. Make alignment marks as shown.

2 Place bottom of Lower Bracket on the axle of the vehicle.

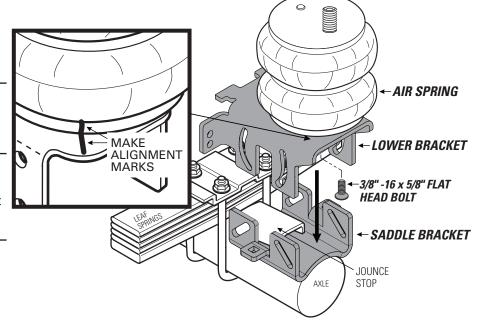
3 Place the Upper Bracket above the Lower Bracket as shown. Assure both are tight against the leaf spring stack.

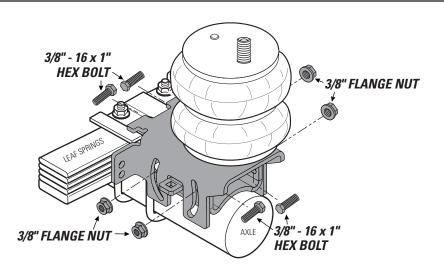
A Match the alignment marks and secure the Air Spring to the Upper Bracket, as shown.

Position the Lower Bracket
as low as possible, while
still clearing the jounce stop
on the vehicle.

Make sure the Lower Bracket is parallel to the ground.

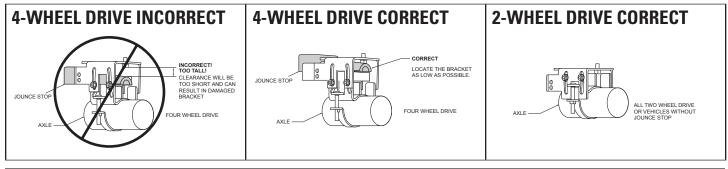
Use supplied fasteners in the bracket bolting slots.

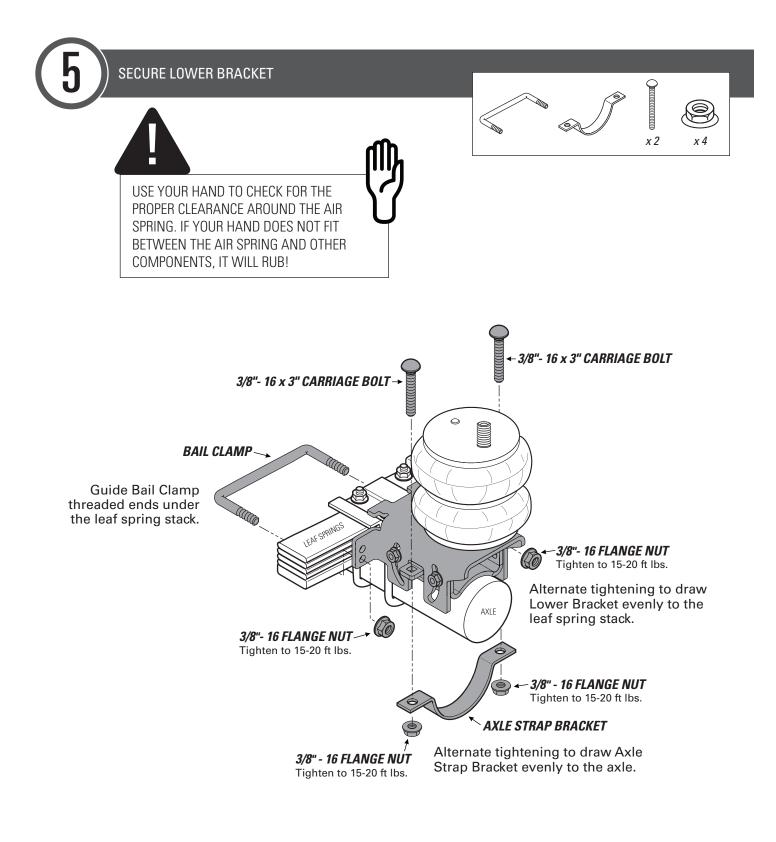




! IMPORTANT: INSTALL ON THE LOWEST SETTING POSSIBLE FOR YOUR VEHICLE

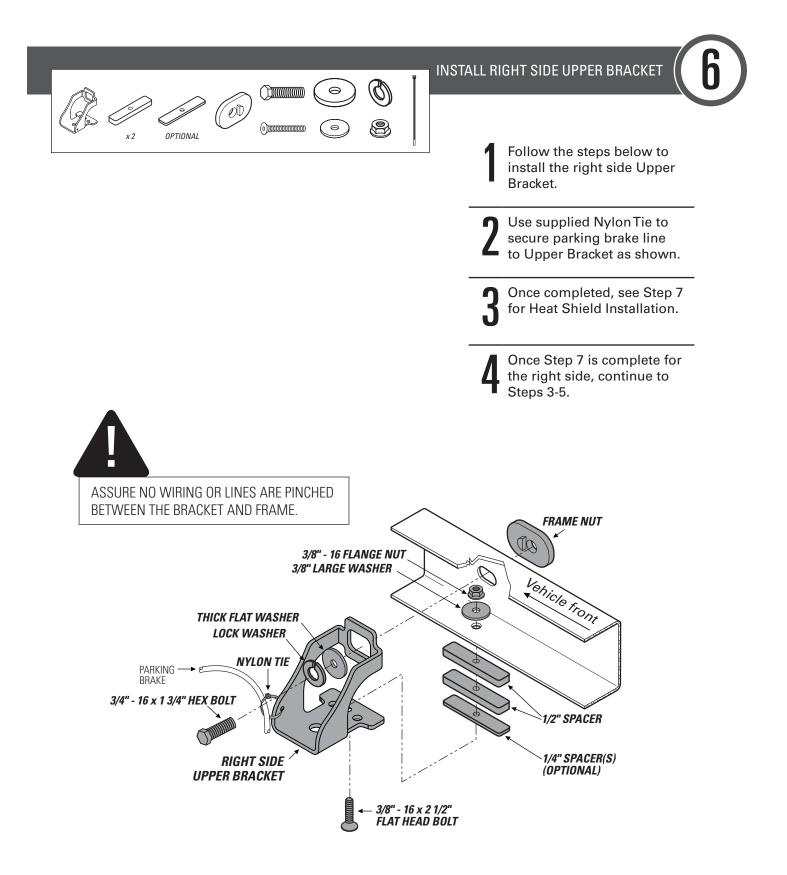
FAILURE TO DO SO CAN RESULT IN DAMAGED BRACKETS AND CAN VOID YOUR WARRANTY

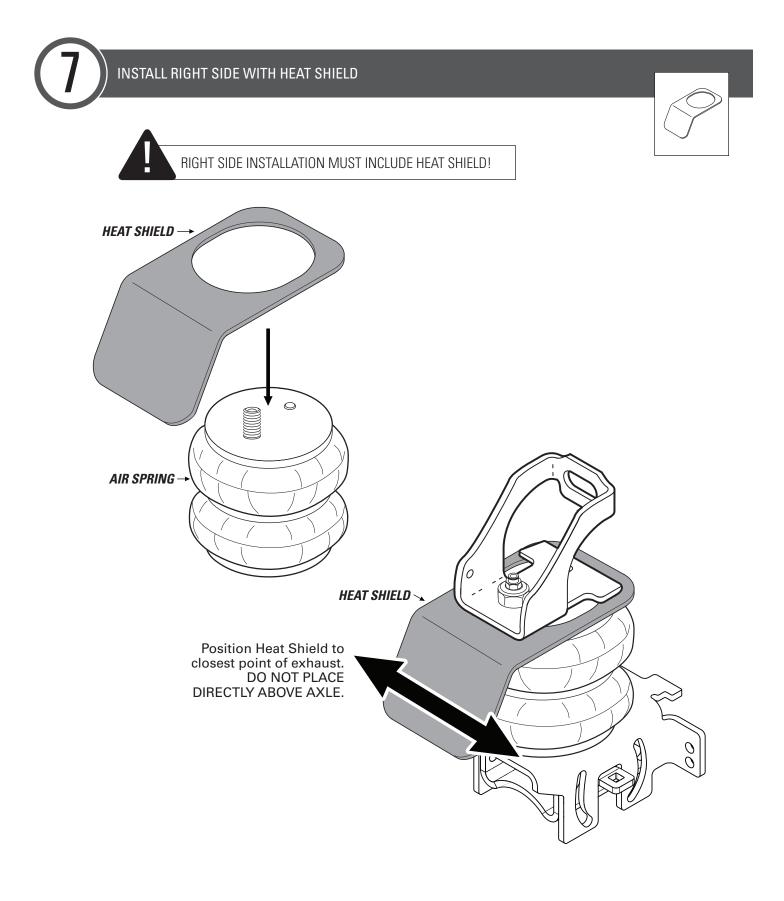


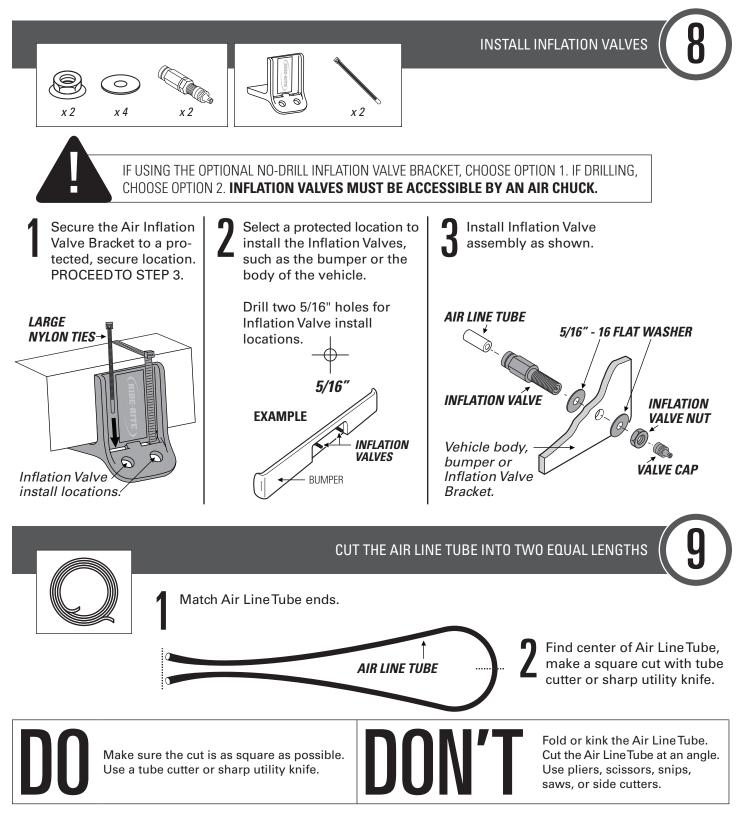




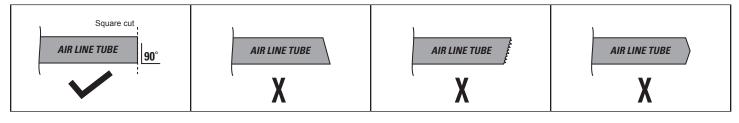
AWESOME! You're done with the left side. Move on to Step 6 to begin the right side installation.





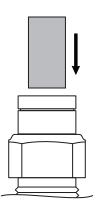


PROPER AND IMPROPER CUTS IN THE AIR LINE TUBE

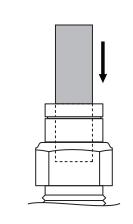




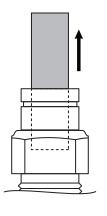
Insert end of Air LineTube into Air Fitting.



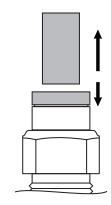
Push Air Line Tube into Air Fitting as far as possible.



Gently pull on the Air Line Tube to check for a secure fit.



To remove, push down collar and gently pull Air Line Tube away.

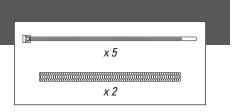


Removal Tip: Use a 1/4", 5/16", or 6mm open-ended wrench to push the collar down.



ROUTE AND SECURE AIR LINE TUBES

Air Line Tube routes will vary, depending on your truck, and requires you to choose the best path from the Air Springs to the Inflation Valves. Use the instructions below to help you choose.

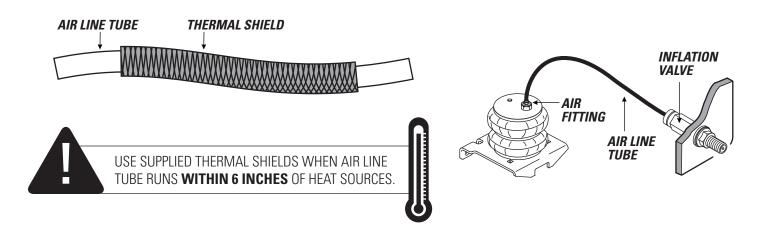


DO

Select routes protected from heat, debris, and sharp edges. UseThermal Shields near heat sources. Use Nylon Ties to secure the Air Line Tube.

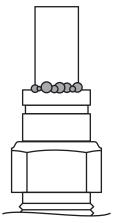


Bend or sharply curve Air Line Tubes. Leave Air Line Tube exposed to sharp edges. Use unnecessary lengths of Air Line Tube. Route Air Line Tube near moving parts. Let Air Line tube hang unsecured from vehicle. Scar Air Line Tube while routing.



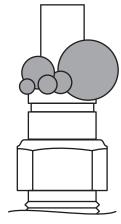
CHECKING THE AIR SYSTEM Spray fittings with soap and water Place an air chuck onto the Inflation Valve and fill the system to 70 PSI. . mixture. THE REAL PROPERTY OF THE PROPE **PS** WATER SOAP AIR SPRINGS INFLATE QUICKLY. CHECK AIR PRESSURE WHILE INFLATING.

3 Observe bubbles.



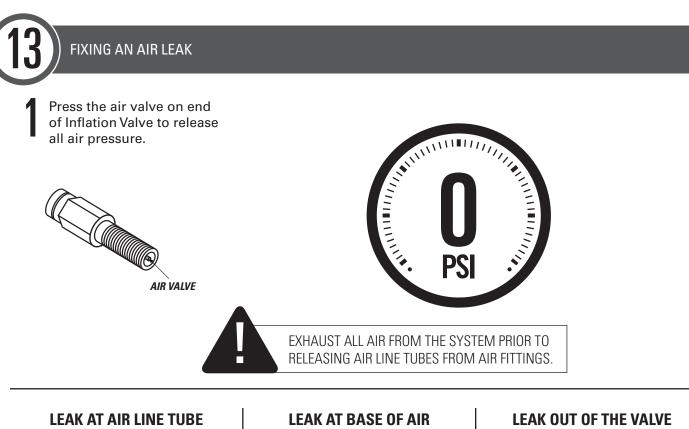
SMALL SOAP BUBBLES THAT DO NOT EXPAND



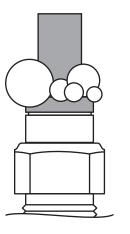


SOAP BUBBLES THAT EXPAND

X

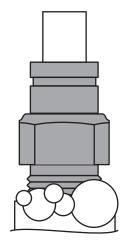


LEAK AT AIR LINE TUB AND AIR FITTING



Release Air Line Tube (see page 11). Review proper cuts and procedures in Step 9. Repeat Steps 10 and 12.

LEAK AT BASE OF AIR FITTING ON AIR SPRING



Tighten Air Fitting one turn or until leak stops.

LEAK OUT OF THE VALVE CORE ON INFLATION VALVE



Tighten valve core with valve core wrench on Inflation Valve Cap.



SAFELY RETURN VEHICLE TO OPERATIVE STATE

If you removed any wheels during installation, install the wheels and torque the lug nuts to the manufacturer's specifications.

Safely remove any jack stands and wheel chocks used during installation.

Re-attach the negative battery cable.

DOUBLE-CHECK AIR SPRING CLEARANCE

Check the Air Springs once again for the proper 1/2" minimum clearance. Perform clearance check again when vehicle is under load.

VEHICLE GVWR

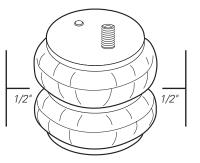
NEVER exceed the maximum load recommended by the vehicle manufacturer (GVWR). The GVWR can be found in your vehicle's owner's manual or on the data plate on the driver's side door. Consult your local dealership for additional GVWR specifications.

READ AND UNDERSTAND THE OPERATING INSTRUCTIONS

The Ride-Rite system can improve handling and comfort. Take the time to learn how to properly use and maintain your investement by reading the Operating Instructions.



USE YOUR HAND TO CHECK FOR THE PROPER CLEARANCE AROUND THE AIR SPRING. IF YOUR HAND DOES NOT FIT BETWEEN THE AIR SPRING AND OTHER COMPONENTS, IT WILL RUB!



! IMPORTANT

A MINIMUM OF 5 PSI MUST BE MAINTAINED IN THE AIR SPRINGS AT ALL TIMES

Too much air pressure in the Air Springs will result in a firmer ride, while too little air pressure will allow the Air Springs to bottom out over rough conditions, and will not provide the improvement in handling that is possible.





BEFORE YOU DRIVE, CONFIRM THE FOLLOWING:

Do you have a minimum of 5PSI in your Air Springs?

Are your Air Springs standing 5 1/2" - 7" tall?

- Are your Air Springs properly aligned, left-to-right and front-to-back?
- Are your nuts and bolts tight?
- □ Put your paper work back into the sleeve and keep it in your glove compartment for future reference.

□You've been bagged...and now your suspension is Airide[™] equipped! Show it off with the supplied decal!

5 1/2" - 7"



FIRESTONE INDUSTRIAL PRODUCTS COMPANY

2703

