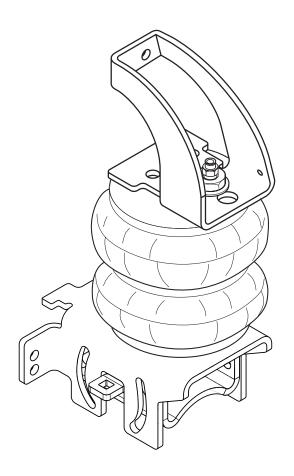


### **INSTALLATION INSTRUCTIONS**





### ! 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.

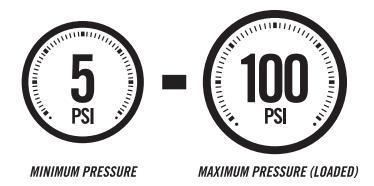
#### APPROPRIATE AIR PRESSURE

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 # 6401	8	x 2	AIR SPRING	PART # 5844	x 2	SADDLE BRACKET	PART # 3077	THE STATE OF THE S	x 2	BAIL CLAMP
PART # 5840		x 1	LEFT SIDE UPPER BRACKET	PART # 1163	x 2	AXLE STRAP BRACKET	PART # 1004		x 1	HEAT SHIELD
PART # 5846		x 1	RIGHT SIDE UPPER BRACKET	PART # 5477	x 4	1/2" SPACER	PART # 9415		x 1	AIR LINE TUBE (22 FEET)
PART # 5842		x 2	LOWER BRACKET	PART # 5665	x 4	1/4" SPACER				

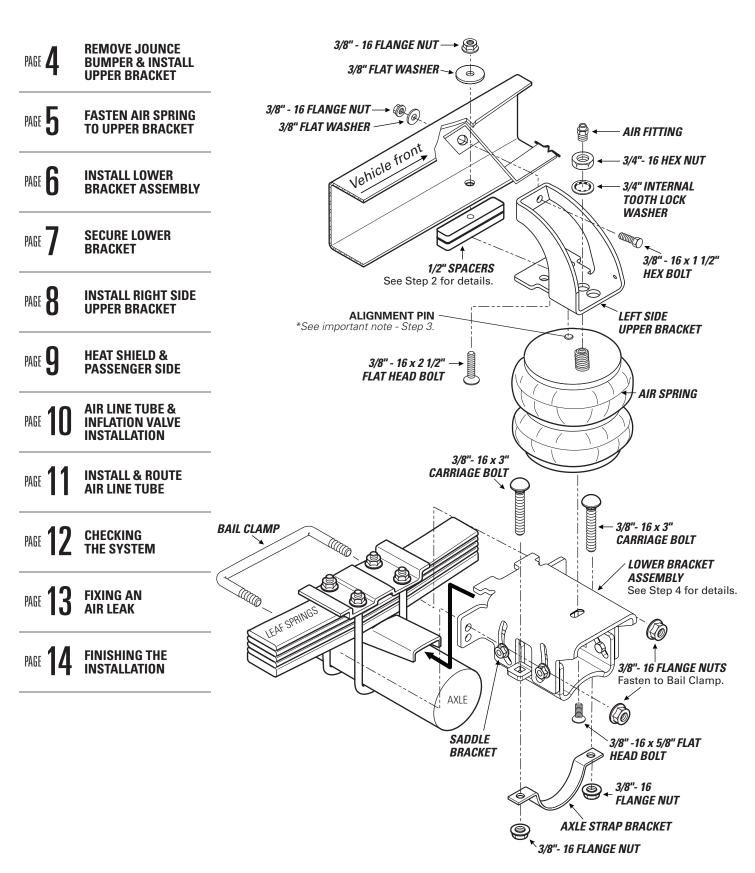
#### **A24-760-7560 INFLATION VALVE BRACKET KIT**

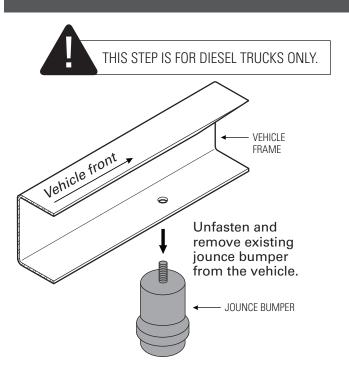


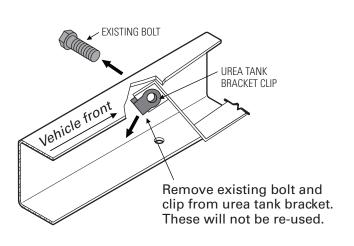
#### **A21-760-2597 HARDWARE PACK**

	7. 1. 7. 4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.										
PT # 3029		x 1	3/8" - 16 x 1 1/2" HEX HEAD BOLT	PT # 3067		x 19	3/8" - 16 FLANGE LOCK NUT	PT # 3296	<b>(3)</b>	x 1	3/4" LOCK WASHER
PT # 0071	0	x 1	3/8" FLAT WASHER	PT # 0532	•	x 2	3/8" LARGE FLAT WASHER	PT # 3032		x 2	INFLATION VALVE AND VALVE CAP ASSEMBLY
PT # 3033	0	x 4	5/16" FLAT WASHER	PT # 3350		x 1	3/4" - 16 x 1 3/4" HEX HEAD BOLT	PT # 3046		x 2	AIR FITTING
PT # 3142		x 2	3/8" - 16 x 5/8" FLAT HEAD BOLT	PT # 3295		x 2	3/4" - 16 HEX NUT	PT # 3012	x 4 3/8" - 16 x 3" CARRIAGE BOLT		
PT # 3411		x 1	3/4" THICK WASHER	PT # 3412	(OD)	x 1	3/4" - 16 FRAME NUT	PT # 9036	x 6 RED NYLON TIE		
PT # 0070		x 8	3/8" - 16 x 1" HEX HEAD BOLT	PT # 3064		x 2	INTERNAL TOOTH LOCK WASHER	PT # 0899	x 2 THERMAL SLEEVE		
PT # 3345		x 2	3/8" - 16 x 2 1/2" FLAT HEAD BOLT	PT # 3113		x 1	3/4" FLAT WASHER				

## **CONTENTS AND OVERVIEW**



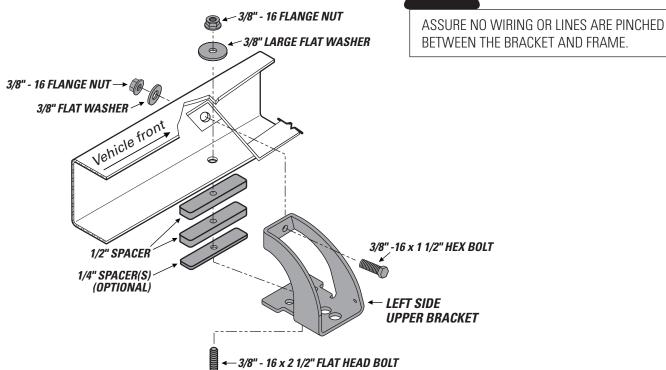




INSTALL LEFT SIDE UPPER BRACKET

# OPTIONAL OPTIONAL X2





#### FASTEN AIR SPRING TO UPPER BRACKET



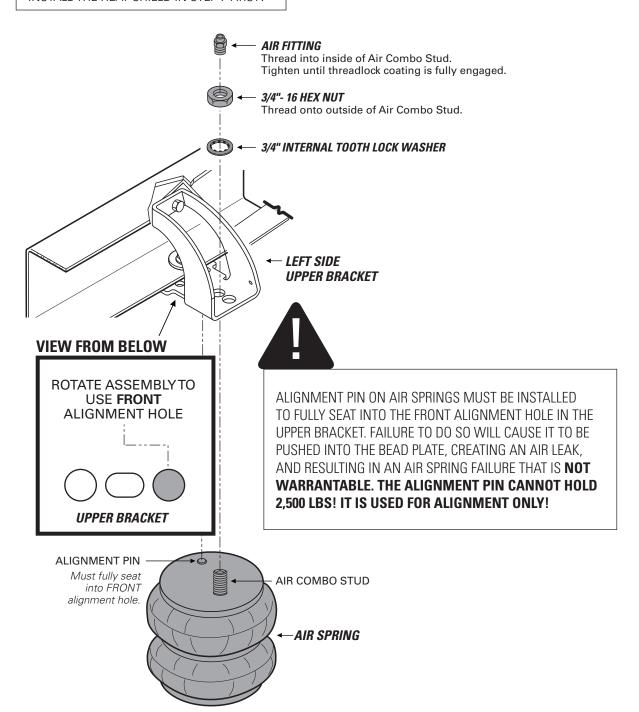








INSTALLING THE RIGHT SIDE? REMEMBER TO INSTALL THE HEAT SHIELD IN STEP 7 FIRST!



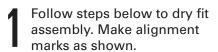




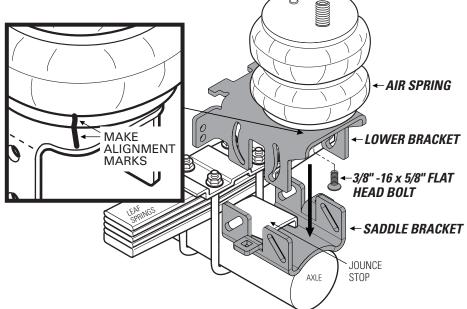




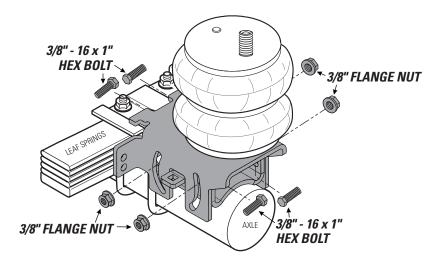




- Place bottom of Lower Bracket on the axle of the vehicle.
- Place the Upper Bracket above the Lower Bracket as shown. Assure both are tight against the leaf spring stack.
- Match the alignment marks and secure the Air Spring to the Upper Bracket, as shown.

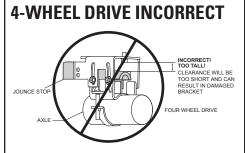


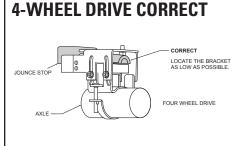
- Position the Lower Bracket as low as possible, while still clearing the jounce stop on the vehicle.
- Make sure the Lower Bracket is parallel to the ground.
- Use supplied fasteners in the bracket bolting slots.

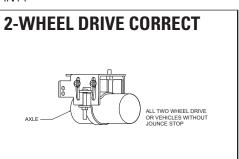


#### ! IMPORTANT: INSTALL ON THE LOWEST SETTING POSSIBLE FOR YOUR VEHICLE

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





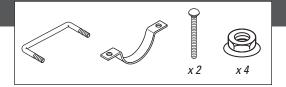


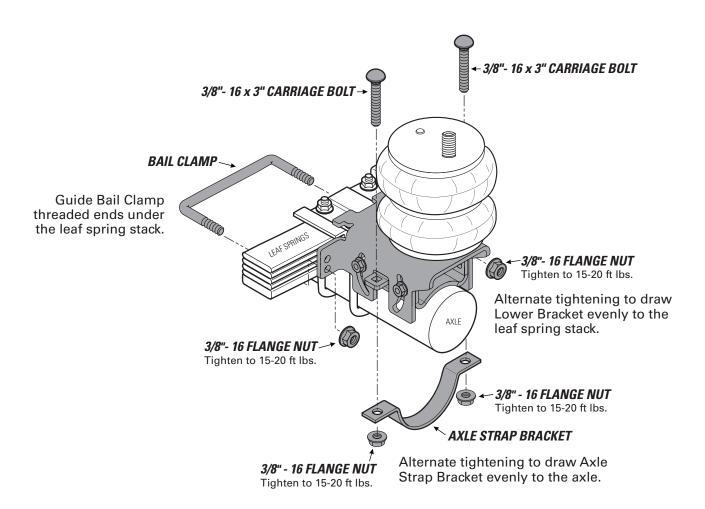
## **5**

#### SECURE LOWER BRACKET



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!



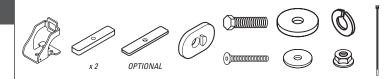




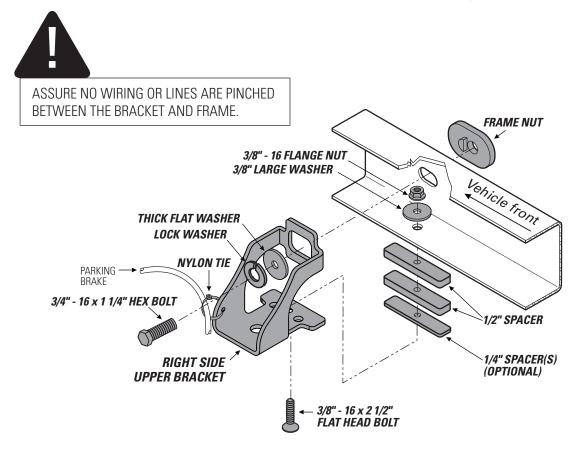
**AWESOME!** You're done with the left side. Move on to Step 6 to begin the right side installation.







- Follow the steps below to install the right side Upper Bracket.
- Use supplied Nylon Tie to secure parking brake line to Upper Bracket as shown.
- Once completed, see Step 7 for Heat Shield Installation.
- Once Step 7 is complete for the right side, continue to Steps 3-5.

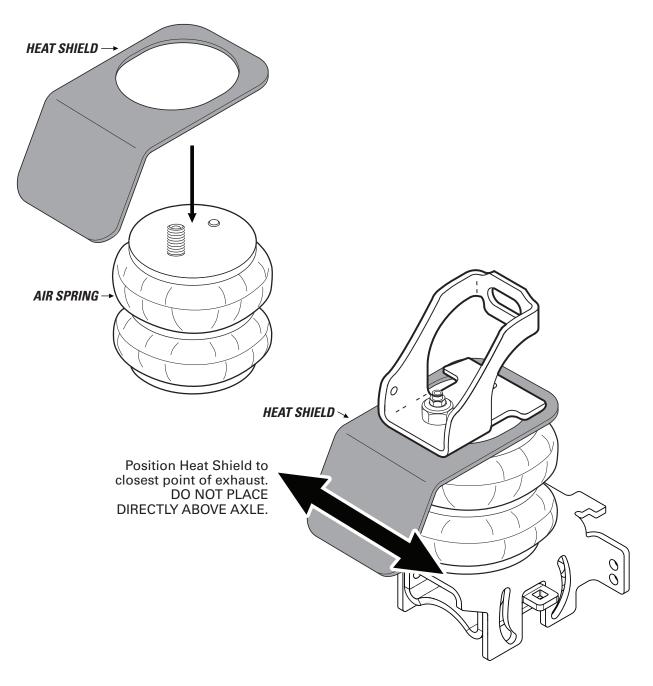




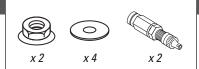




#### RIGHT SIDE INSTALLATION MUST INCLUDE HEAT SHIELD!





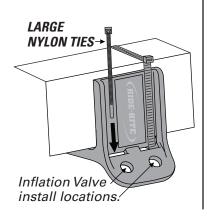






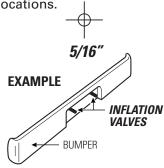
IF USING THE OPTIONAL NO-DRILL INFLATION VALVE BRACKET, CHOOSE OPTION 1. IF DRILLING, CHOOSE OPTION 2. INFLATION VALVES MUST BE ACCESSIBLE BY AN AIR CHUCK.

Secure the Air Inflation Valve Bracket to a protected, secure location. PROCEEDTO STEP 3.

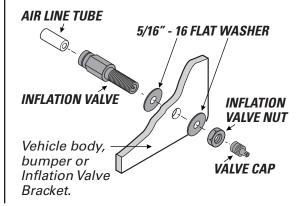


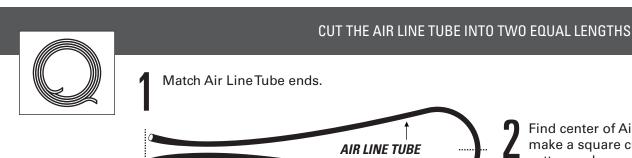
Select a protected location to install the Inflation Valves, such as the bumper or the body of the vehicle.

> Drill two 5/16" holes for Inflation Valve install locations.



Install Inflation Valve assembly as shown.



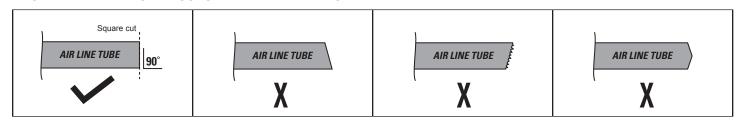


Find center of Air Line Tube, make a square cut with tube cutter or sharp utility knife.

Make sure the cut is as square as possible. Use a tube cutter or sharp utility knife.

Fold or kink the Air Line Tube. Cut the Air LineTube at an angle. Use pliers, scissors, snips, saws, or side cutters.

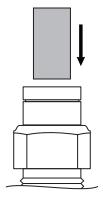
#### PROPER AND IMPROPER CUTS IN THE AIR LINE TUBE



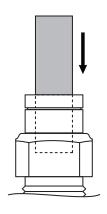


#### INSTALLING AIR LINE TUBE INTO AIR FITTINGS AND INFLATION VALVE

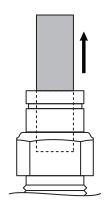
Insert end of Air Line Tube into Air Fitting.



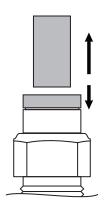
Push Air Line Tube into Air Fitting as far as possible.



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.

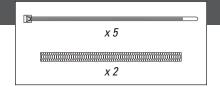


**Removal Tip:** Use a 1/4", 5/16", or 6mm open-ended wrench to push the collar down.

(11)

#### **ROUTE AND SECURE AIR LINE TUBES**

Air LineTube 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.



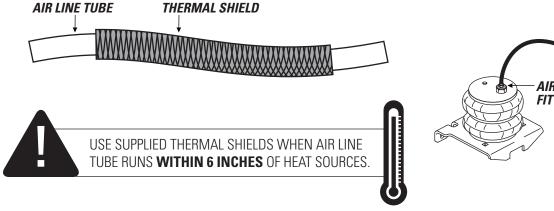
DO

Select routes protected from heat, debris, and sharp edges. UseThermal Shields near heat sources. Use NylonTies to secure the Air LineTube.

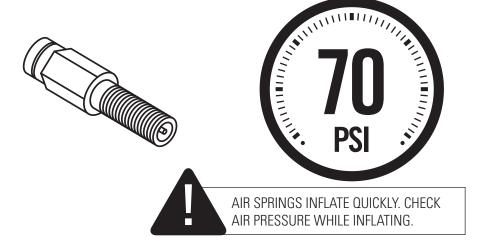
**DON'T** 

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.

**INFLATION** 



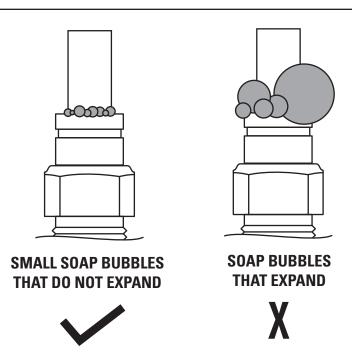
Place an air chuck onto the Inflation Valve and fill the system to **70 PSI**.



2 Spray fittings with soap and water mixture.



**Q** Observe bubbles.



### NO LEAKS?

Congratulations! Continue to Step 14 to finish installation. Review the Operating Instructions.

### **LEAK?**

Bummer. Continue to Step 13 to fix the leak.

## 13) FIXING AN AIR LEAK

Press the air valve on end of Inflation Valve to release all air pressure.

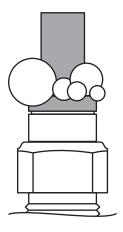






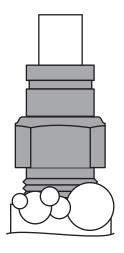
EXHAUST ALL AIR FROM THE SYSTEM PRIOR TO RELEASING AIR LINE TUBES FROM AIR FITTINGS.

### LEAK AT AIR LINE TUBE 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.

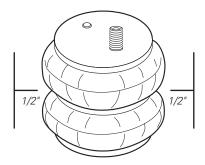
### READ AND UNDERSTAND THE OPERATING INSTRUCTIONS

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.





#### riderite.com

BEFORE YOU DRIVE, CONFIRM THE FOLLO	WING:		
☐ Do you have a minimum of 5PSI in your Air Springs?			(1/1/1/
☐ Are your Air Springs standing 5 1/2" - 7" tall?	5 1/2" - 7"		
$\square$ Are your Air Springs properly aligned, left-to-right and front-to-	o-back?		
☐ Are your nuts and bolts tight?			
$\square$ Put your paper work back into the sleeve and keep it in your g	Jlove compar	tment for future	e reference.
☐You've been baggedand now your suspension is Airide™ equ	uipped! Shov	w it off with the	supplied decal!

