

# LoadLifter 5000™



## Installation Guide



*Ford Bronco*



**Watch the video**

Info on Table of Contents page

## Kit 57269

For maximum effectiveness and safety, please read these instructions completely before proceeding with installation.

Failure to read these instructions can result in an incorrect installation.

# **Protect your Air Lift Purchase by Completing your Warranty Registration**



Thank you for purchasing an Air Lift load support product!

Take a photo of your sales receipt and then scan the QR code to complete your online warranty registration.

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## **Video-enhanced installation guides**

Visit [airliftcompany.com/workshop/category/install-videos](http://airliftcompany.com/workshop/category/install-videos) to access our installation video archive\*.

# System Overview

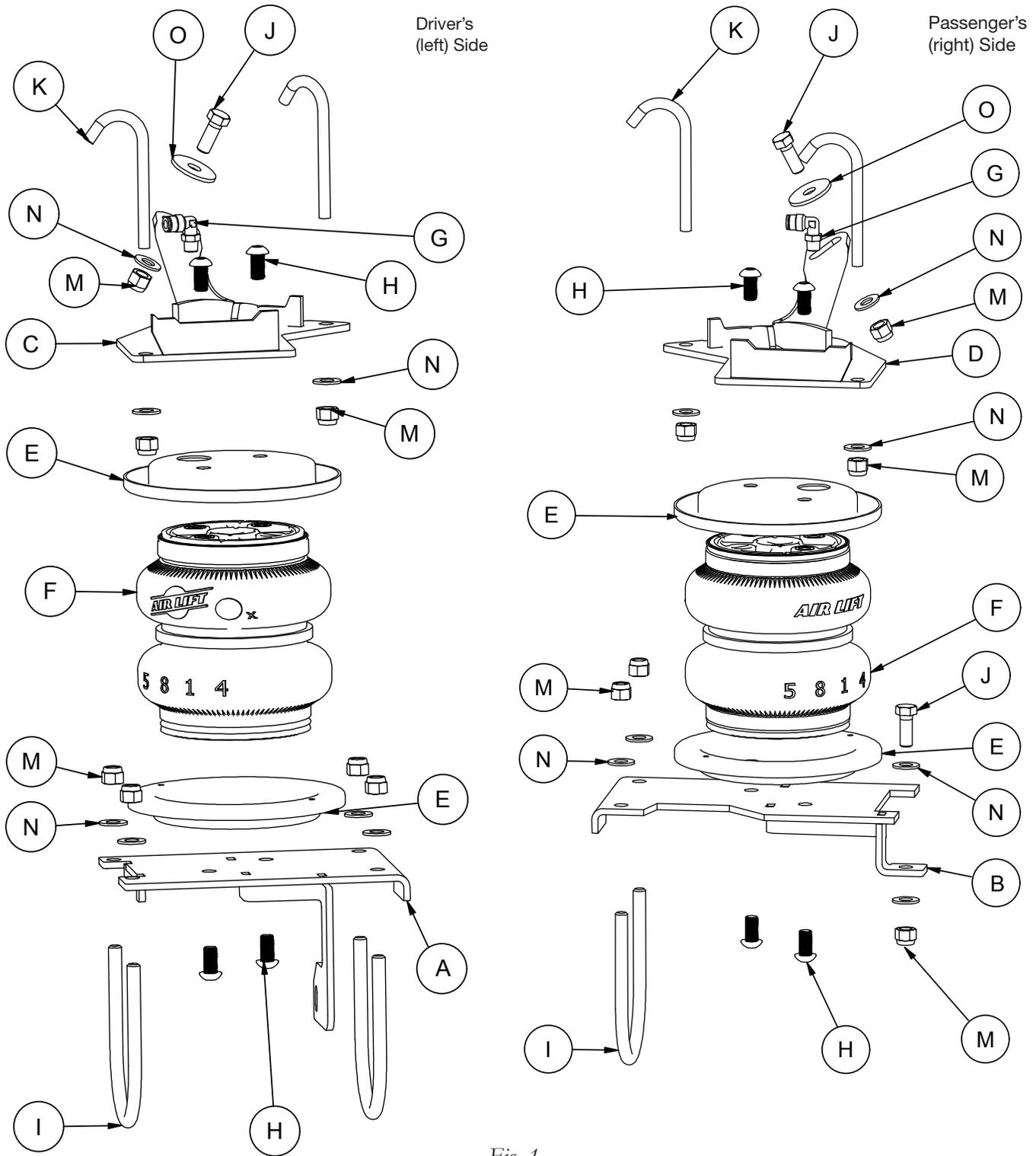


Fig. 1

# Hardware and Tools

## HARDWARE LIST

Item	Part#	Description .....	Qty
A	03109	Lower bracket, LH .....	1
B	03116	Lower bracket, RH.....	1
C	07173	Upper bracket, LH.....	1
D	07186	Upper bracket, RH.....	1
E	11951	Roll plates.....	4
F	58439	Air springs.....	2
G	21837	90-degree Swivel air fitting.....	2
H	17527	3/8-24 X 3/4" Button-head cap screw .....	8
I	11771	3/8-16 X 5" U-Bolt.....	3
J	17107	3/8-16 X 1" Hex-head cap screw .....	3
K	17309	3/8-16 X 3.75" J-Bolt.....	4
M	18435	3/8-16 Nylon lock nut.....	13
N	18444	3/8" Flat washer .....	14
O	18447	Large 3/8" flat washer .....	2
AA*	20086	Air line assembly.....	1
BB*	10466	Zip ties.....	6
CC*	21230	Valve cap .....	2
DD*	18411	Star washer.....	2
EE*	21234	Rubber washer .....	2
FF*	18501	M8 Flat washer .....	2
GG*	21233	5/16" Hex nut .....	4

\* These parts are not shown in the System Overview (Fig.1).

## TOOLS NEEDED

Description.....	Qty
Standard and metric open-end or box wrenches .....	Set
9/16 ratchet wrench .....	1
Ratchet .....	1
Standard and metric regular and deep-well sockets .....	Set
Torque wrench.....	1
7/32" hex-key wrench (socket preferable).....	1
Small and large screwdriver or pry bar.....	1 ea.
Hose cutter, razor blade, or sharp knife .....	1
Hoist or floor jack .....	1
Safety glasses .....	1
Safety stands.....	2
Air compressor or compressed air source .....	1
Spray bottle with dish soap/water solution.....	1



Missing or damaged parts? Call Air Lift customer service at (800) 248-0892 for a replacement part.

# Introduction

The purpose of this publication is to assist with the installation and maintenance of the LoadLifter 5000 air spring kits. All LoadLifter 5000 kits utilize sturdy, reinforced, commercial-grade single or double, depending on the kit, convolute bellows.

The air springs are manufactured like a tire with layers of rubber and cords that control growth. LoadLifter 5000 kits provide up to 5,000 pounds (2,268kg) of load-leveling support with air adjustability from 5-100 PSI (.34-7BAR).

It is important to read and understand the entire installation guide before beginning installation or performing any maintenance, service or repair.

## NOTATION EXPLANATION

Hazard notations appear in various locations in this publication. Information highlighted by one of these notations must be observed to help minimize risk of personal injury or possible improper installation, which may render the vehicle unsafe. Notes and Tech Tips are used to help emphasize areas of procedural importance and provide helpful suggestions. The following definitions explain the use of these notations as they appear throughout this guide.



### DANGER

INDICATES IMMEDIATE HAZARDS WHICH WILL RESULT IN SEVERE PERSONAL INJURY OR DEATH.



### WARNING

INDICATES HAZARDS OR UNSAFE PRACTICES WHICH COULD RESULT IN SEVERE PERSONAL INJURY OR DEATH.



### CAUTION

INDICATES HAZARDS OR UNSAFE PRACTICES WHICH COULD RESULT IN DAMAGE TO THE VEHICLE OR MINOR PERSONAL INJURY.



### NOTE

*Used to help emphasize areas of procedural importance and provide helpful suggestions.*



### TECH TIP

*Used to provide helpful tips to ease the installation process.*

# Install the System

## PREPARE THE VEHICLE

1. Lift the vehicle and support the frame with safety stands. Drop the axle down low enough to later set the air springs into position between the frame and axle, then remove both wheels (Fig. 2).

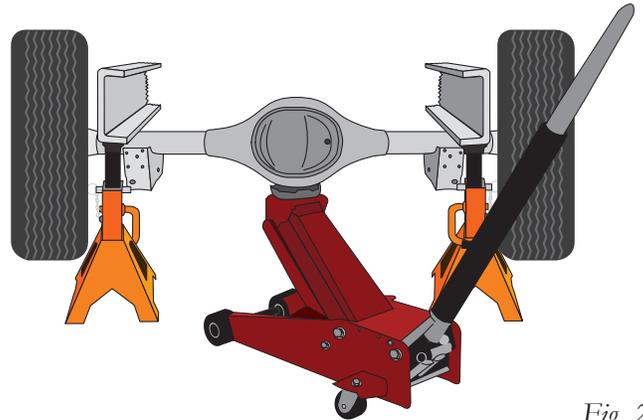


Fig. 2

2. On the passenger's (right) side axle tube, pry the (2) wiring harness clips out of the bracket on the axle (Fig. 3). A small screwdriver and/or pry bar would assist in the removal of both.
3. On the driver's (left) side axle tube, pry the (2) wiring harness clips out of the bracket on the axle. Also, remove the clip-on tab on the four-bar mount. Remove the 8mm bolt (the bolt hole is circled in Fig. 4) from the brake hose bracket and save the bolt for later use. A small screwdriver and/or pry bar would assist in the removal of both.

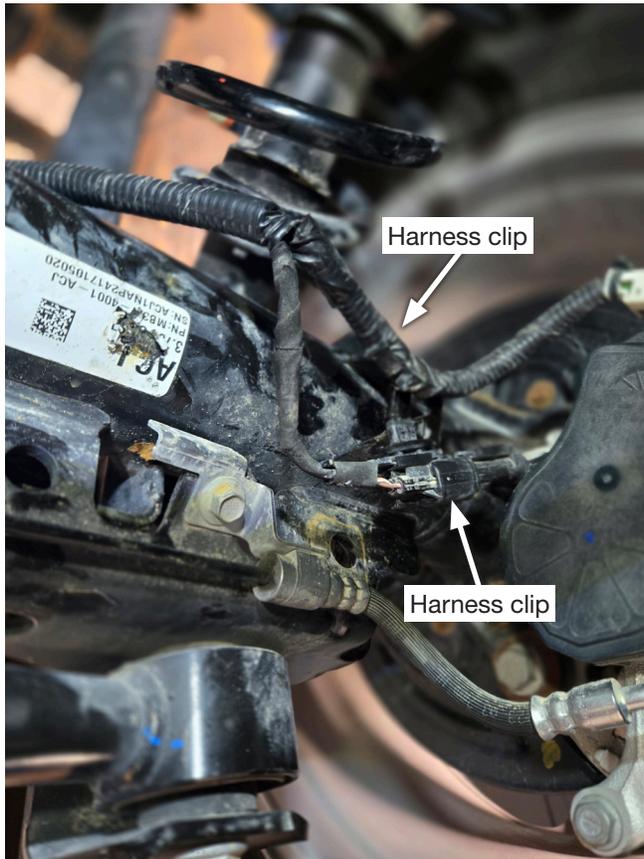


Fig. 3

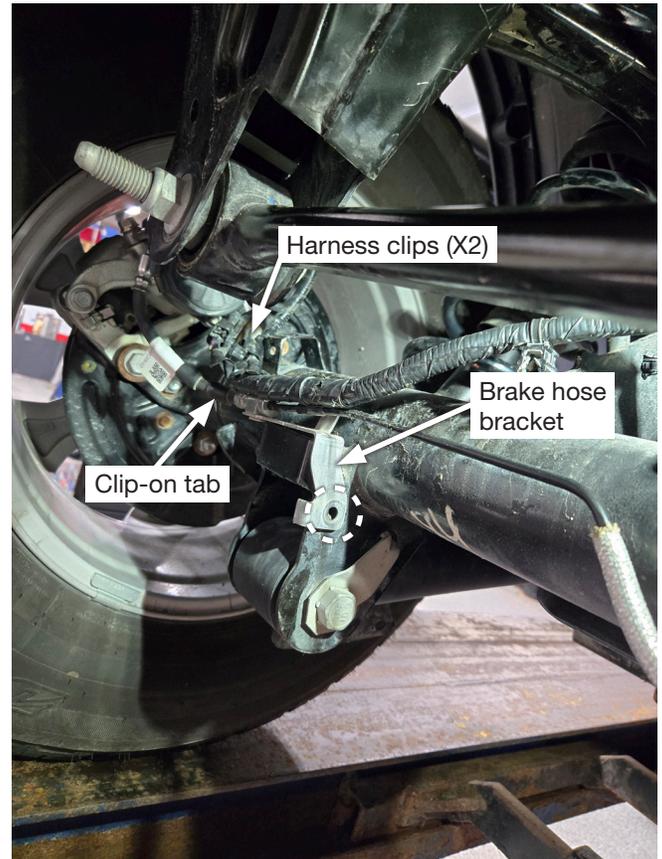
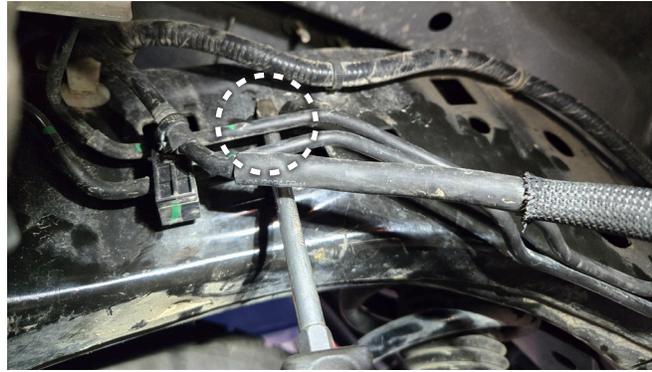


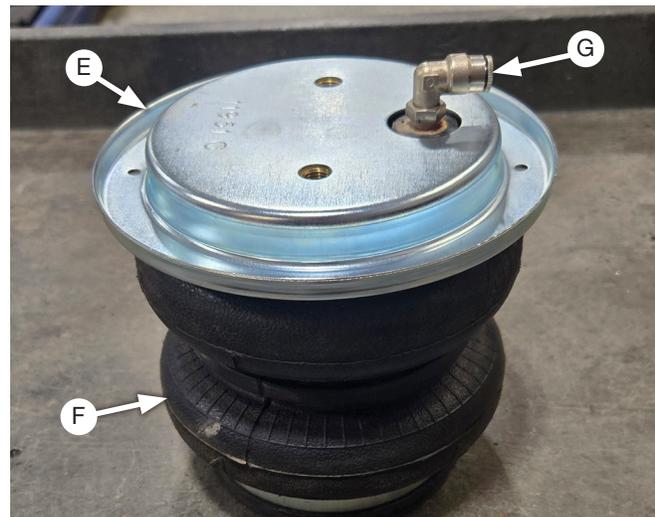
Fig. 4

- On the driver's (left) side frame rail, gently pry the two brake lines away from the frame 1/8" (circled in Fig. 5). A large screwdriver and/or pry bar will assist in prying the lines.

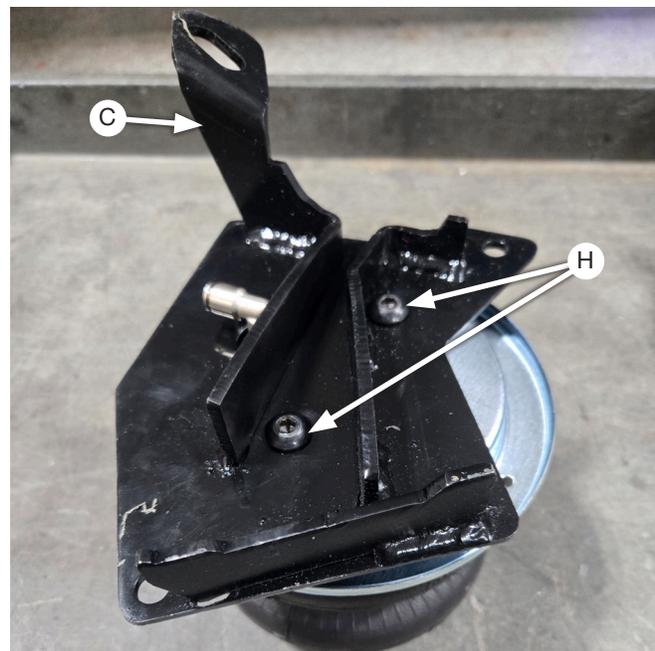

*Fig. 5*

## ASSEMBLE THE AIR SPRING/UPPER BRACKET

- Place a roll plate (E) over the air springs (F) and install the air fittings (G) finger-tight plus one and a half turns (Fig. 6).


*Fig. 6*

- Install the upper brackets (C & D) onto the air springs with 3/8" button-head cap screws (H) (Fig. 7). Torque hardware to no more than 20 lb.-ft. (27Nm).


*Fig. 7*

- Figure 8 shows both the driver's (left) and passenger's (right) side upper air spring assemblies.



Fig. 8

- Flip the air spring assembly over and set a roll plate (E) over the bottom of the air spring. Install the bottom brackets (A & B) onto the air spring assembly with 3/8" button-head cap screws (H) (Figs. 1 & 9). Torque hardware to no more than 20 lb.-ft. (27Nm).

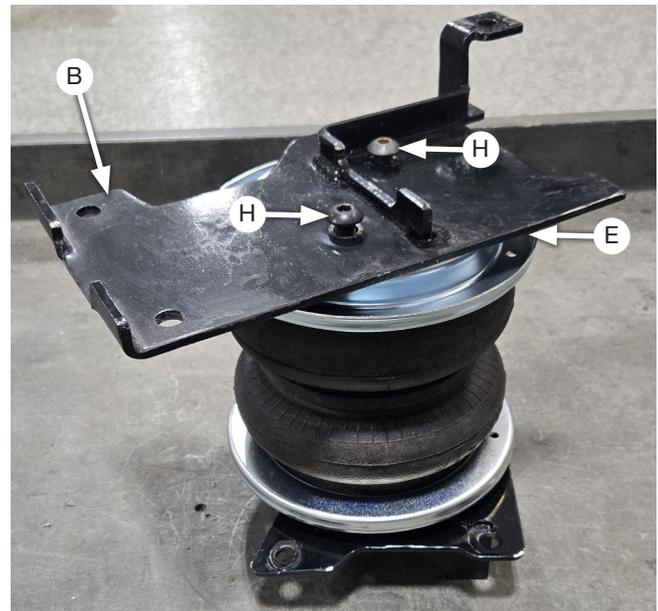


Fig. 9

- Figure 10 shows both the driver's (left) and passenger's (right) side lower air spring assemblies.

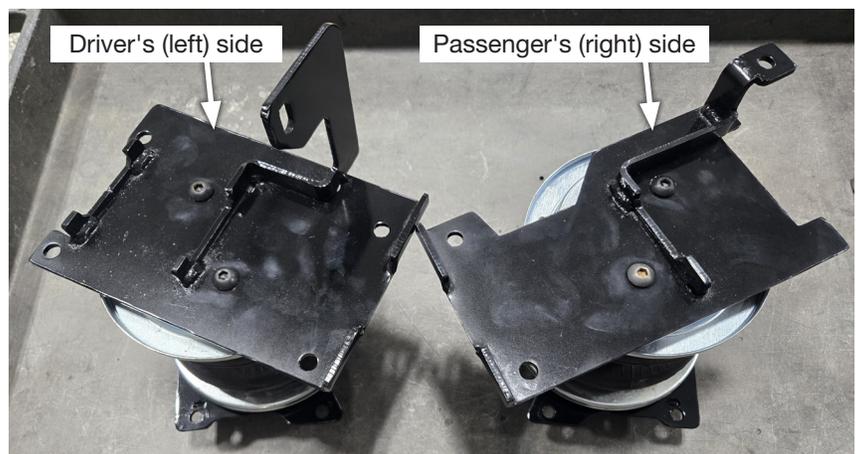


Fig. 10

## INSTALL THE AIR SPRING ASSEMBLIES

1. With the axle dropped down in step one of the *Prepare the Vehicle* section and from the back of the vehicle, hook the inner J-bolt (K) into the inner frame hole (Figs. 11 & 12) on both the driver's (left) and passenger's (right) sides.



Driver's (left) side

Fig. 11



Passenger's (right) side

Fig. 12

2. From the back of the vehicle, set the left-hand and right-hand assemblies into position under the frame above the axle (Fig. 13). The assemblies will need to be lifted over the brake assemblies and then lowered into place. At this time, install the large 3/8" flat washer (O) onto a 3/8-16 X 1" hex-head bolt (J) and place the bolt through the oval hole above the slot in the upper bracket.


**NOTE**

*It may be necessary to compress the air springs slightly to get them to fit between the axle and the frame as you're getting the assembly set in place.*

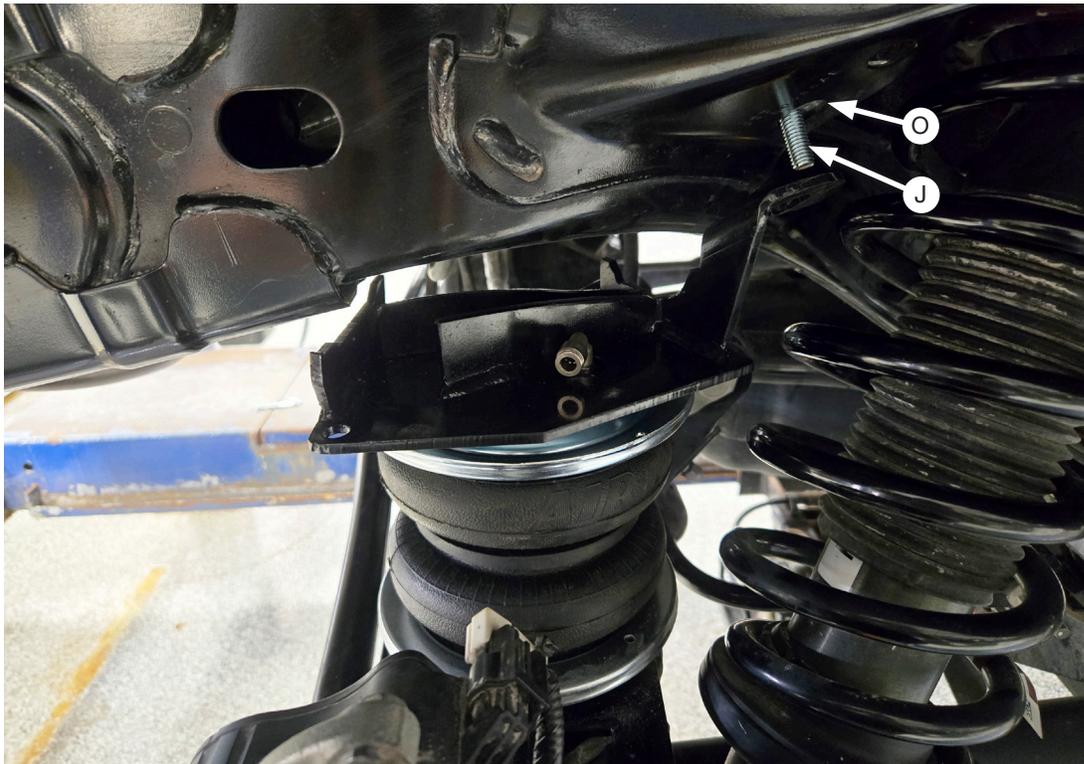


Fig. 13

## LOWER BRACKET INSTALLATION

### Driver's (Left) Side:

1. Align the slot in the bracket with the boss on the axle where the wiring harness is used to clip in (circled). Once the boss and slot have been aligned, reinsert the brake hose bolt to secure the bracket and leave it loose for now. Insert the two 3/8-16 X 5" U-bolts (I) through the lower bracket and place a single 3/8" flat washer (N) over each side of the U-bolts. Screw a single 3/8-16 nylon lock nut (M) onto each side of the U-bolts and leave loose for now (Fig. 14).

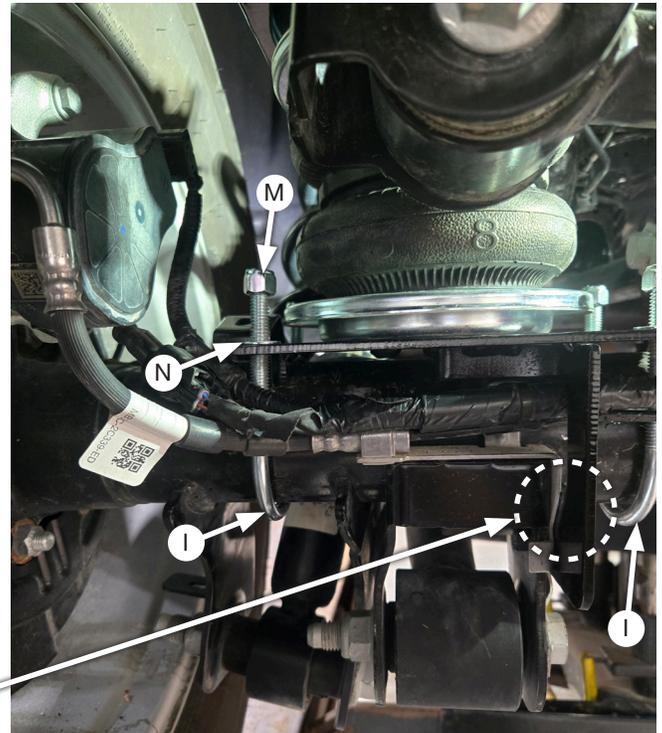


Fig. 14

### Passenger's (Right) Side:

2. Align the single bolt hole in the bracket with the bolt hole in the track bar bracket on the axle (see circled). Place a 3/8" flat washer (N) onto a 3/8-16 X 1" hex-head bolt (J). Insert the bolt and washer into the hole from the top. From the bottom of the axle, place another 3/8" flat washer onto the bolt and then a 3/8-16 nylon lock nut (M). Torque the nut to no more than 16 lb.-ft. (20Nm) (Fig. 15).
3. Install a 3/8-16 X 5" U-bolt (I) through the passenger's (right) side lower bracket. Place a single 3/8" flat washer (N) over each side of the U-bolts. Finally, screw a single 3/8-16 nylon lock nut (M) onto each side of the U-bolt (Fig. 16). Torque the nut to no more than 16 lb.-ft (20Nm).



Fig. 15

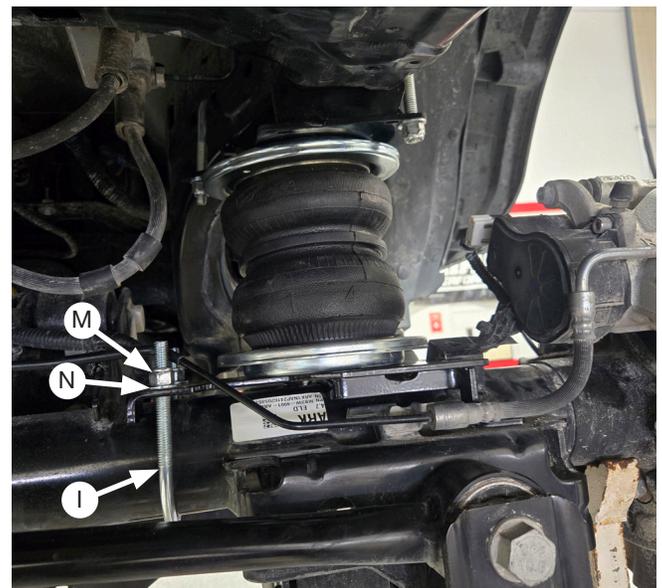


Fig. 16

## UPPER BRACKET INSTALLATION

1. Lower the vehicle until the frame contacts the upper brackets. While lowering the vehicle, guide the previously installed inner J-bolt into the upper bracket (see circled). Additionally, check to make sure the previously installed 3/8-16 X 1" hex-head bolt (J) drops into the upper bracket outside slot while lowering the vehicle. It may be necessary to adjust the positioning of the upper brackets so that they make proper contact with the frame rail. The rear of the upper bracket should contact the raised lip on the frame (see arrow) (Fig. 17).

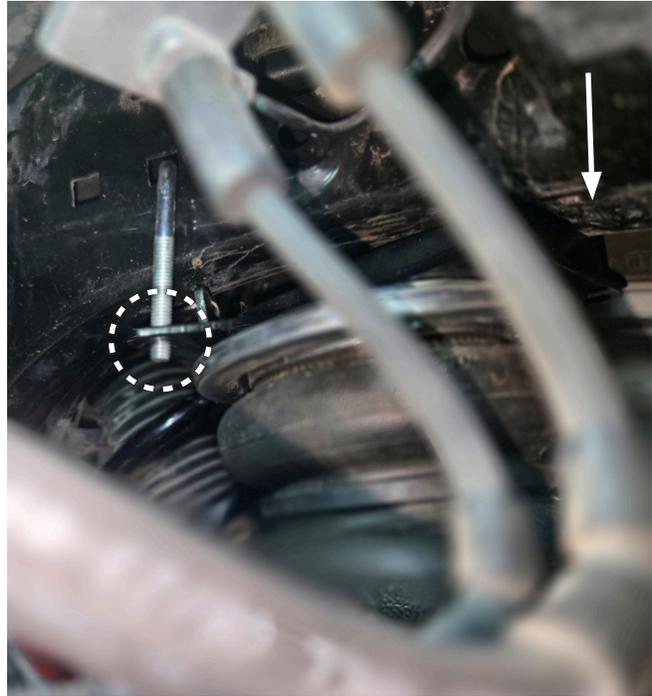


Fig. 17

2. Insert J-Bolt (K) into the oval frame hole above the outer rear bolt hole in the upper bracket. It will be necessary to insert the hook portion first and then guide the threaded end through the bracket hole (Fig. 18).

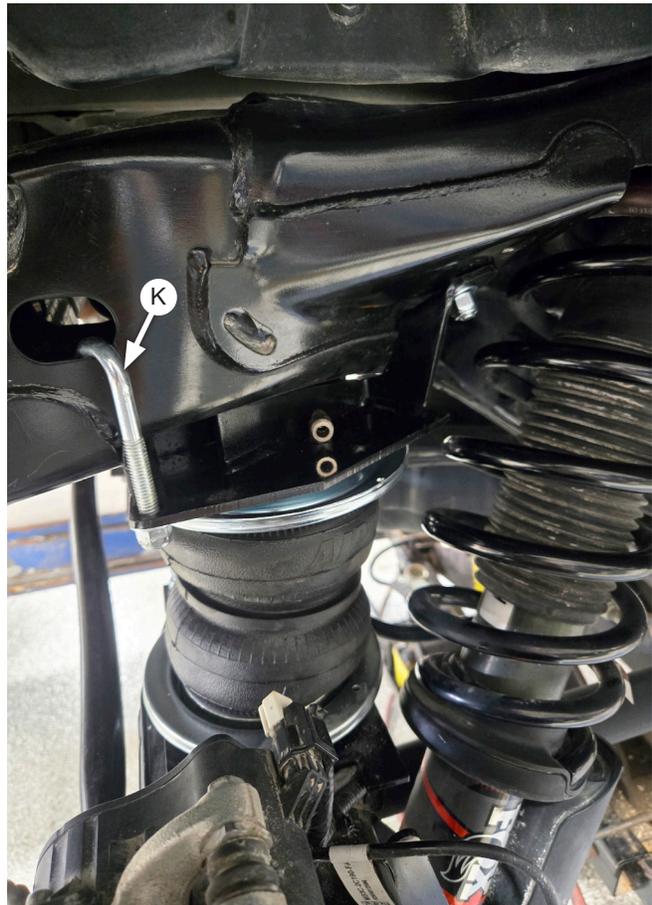


Fig. 18

- Place a single 3/8" flat washer (N) on each of the J-bolts and also on the 3/8-16 X 1" hex-head bolt (J), then place a 3/8-16 nylon lock nut (M) on each (Fig. 19). Tighten the hardware to 20 lb.-ft (27Nm).

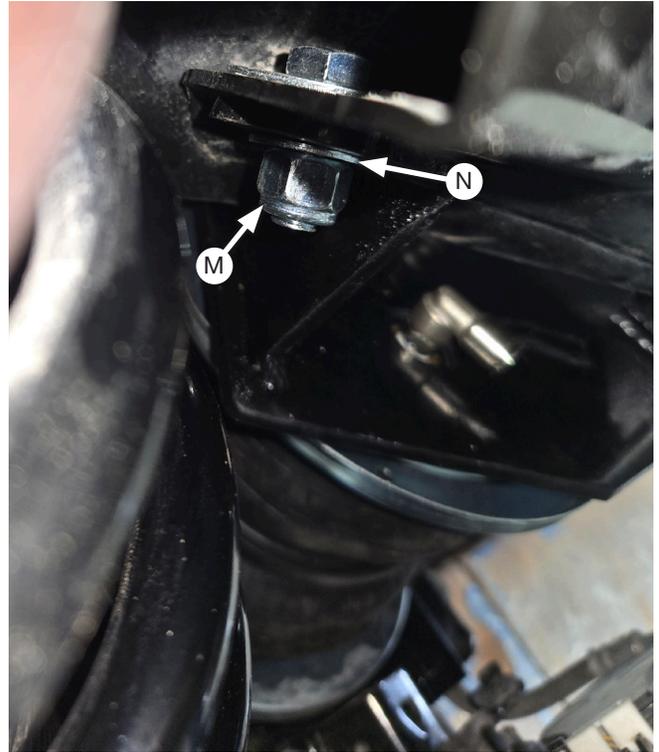


Fig. 19

- After both of the upper brackets hardware has been installed and torqued, the driver's (left) side lower bracket U-bolts (circled) need to be torqued to 16 lb.-ft. (20Nm). Torque the brake hose bracket bolt to 159 lb.-in (18Nm) (Fig. 20).

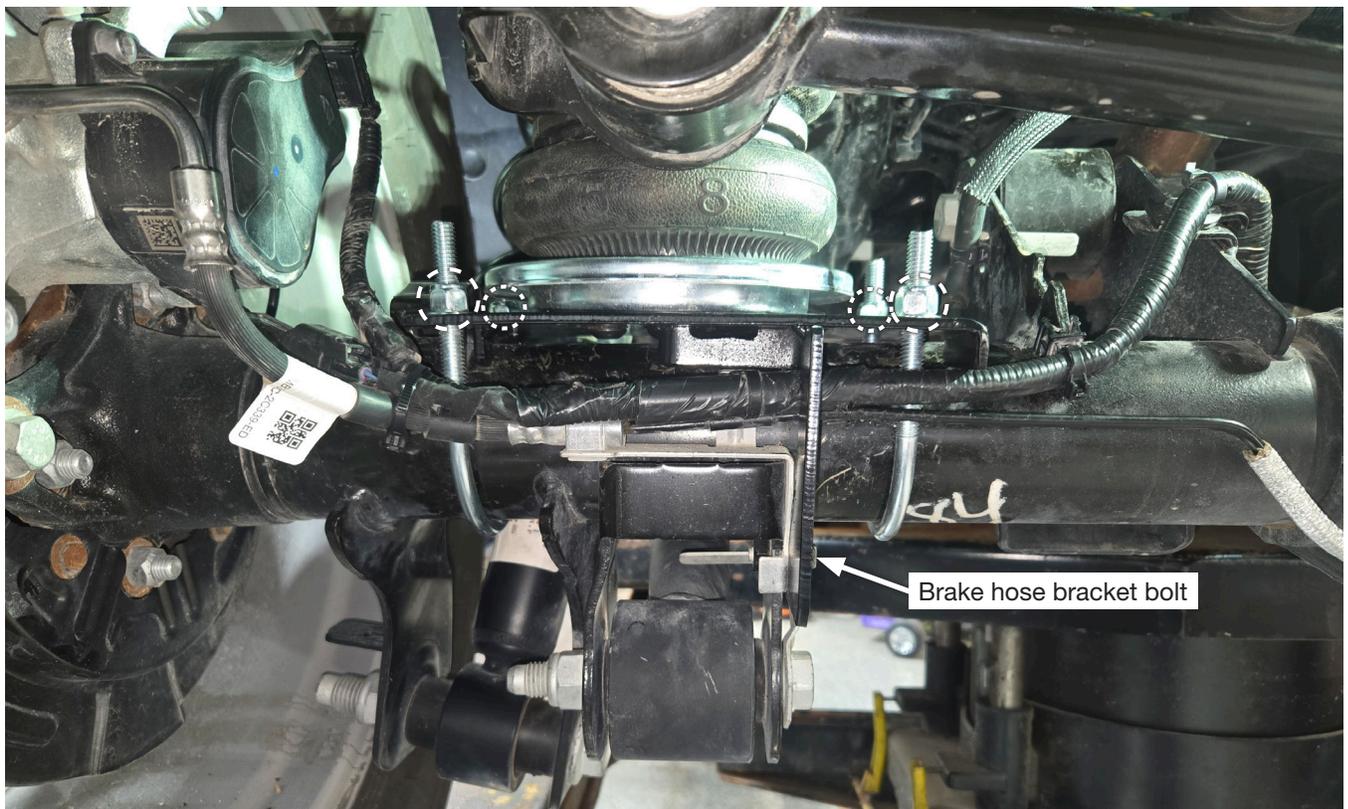


Fig. 20

## WIRE HARNESS REROUTING AND SECURING

### Passenger's (Right) Side:

1. The wiring harness disconnected from the axle boss in step two of the *Prepare the Vehicle* section needs to be secured. Zip tie (BB) the harness to the inside U-bolt and to the forward hole on the axle boss (Fig. 21).



Fig. 21

### Driver's (Left) Side:

1. The wiring harness disconnected from the axle boss in step two of the *Prepare the Vehicle* section needs to be secured. Zip tie the harness into a bundle and move the spring clip attachment to the rear of the four-bar mount on the axle (Fig. 22). Upon completion of this step the tires can be placed back onto the vehicle and lug nuts torqued to specification as required for the Bronco model being worked on.

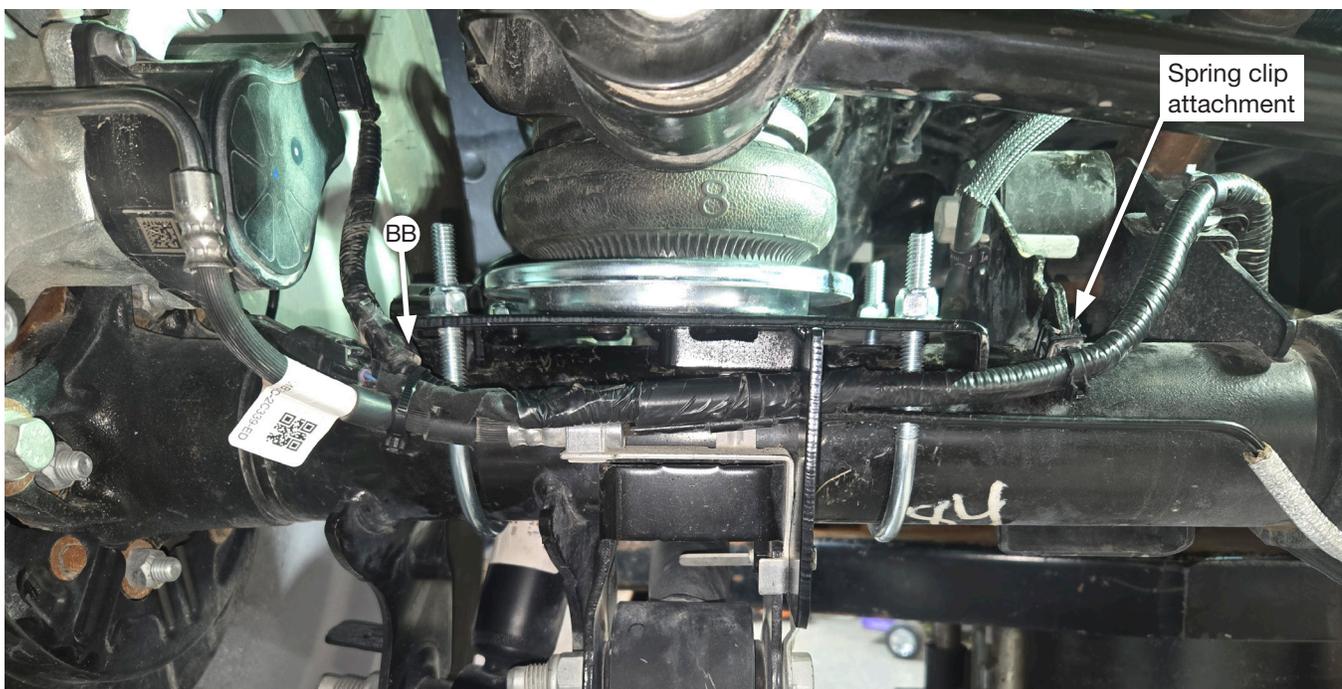
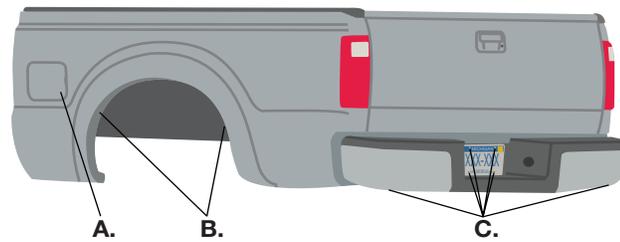


Fig. 22

# Install the Air Lines

1. Choose the locations for the Schrader valves and drill a 5/16" (8mm) hole, if necessary.



A. Inside fuel tank filler door  
B. Inside rear wheel wells

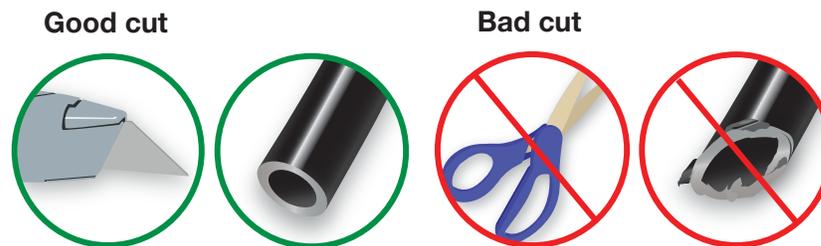
C. License plate or rear bumper area



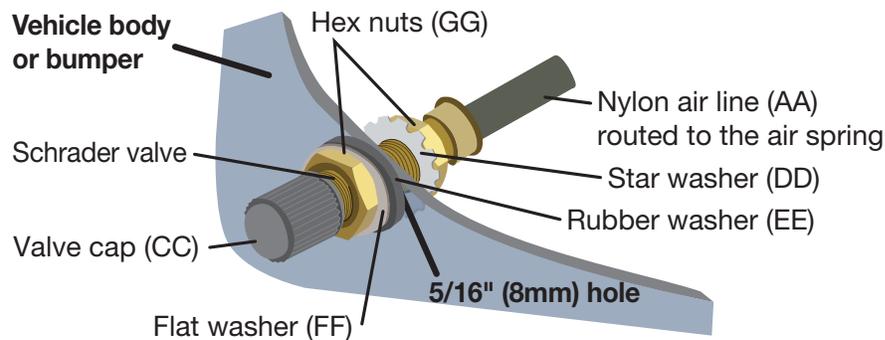
## CAUTION

KEEP AT LEAST 6" (152MM) OF CLEARANCE BETWEEN ALL AIR LINES AND THE EXHAUST SYSTEM. AVOID SHARP BENDS AND EDGES.

2. Make clean, square cuts with a razor blade or hose cutter when cutting the air line (AA). Do not use scissors or wire cutters.



3. Use zip ties (BB) to secure the air line to fixed points along the chassis. Do not pinch or kink the air line. Leave at least 2" (51mm) of slack in the air line to allow for any movement that might pull on the air line. The minimum bend radius for the air line is 1" (25mm).
4. Install the Schrader valve in the chosen location.



# Finished Installation

The images show the finished installation of both sides.



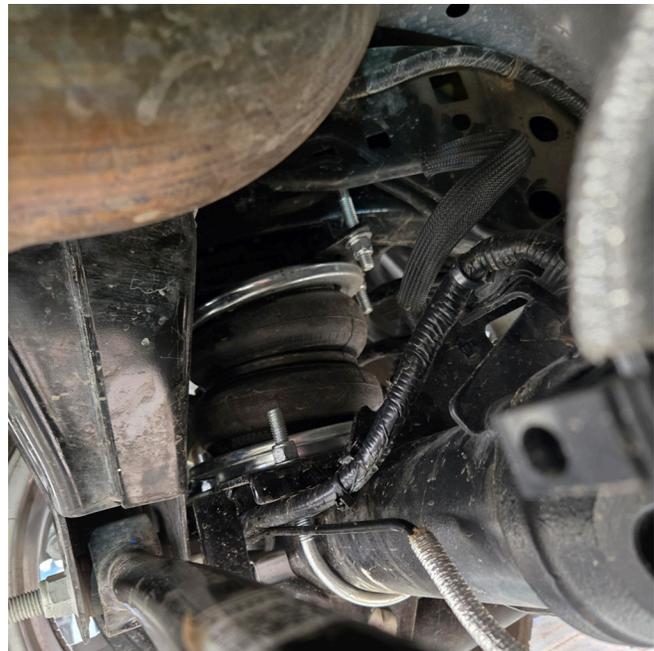
Passenger's (right) side rear view of installation.



Passenger's (right) side front view of installation.



Driver's (left) side front view of installation.



Driver's (left) side rear view of installation.

## Congratulations!

You are now the proud owner of an Air Lift air suspension system. Enjoy!

# Before Operating

## INSTALLATION CHECKLIST

- ❑ **Clearance test** — Inflate the air springs to 40-60 PSI (2.8-4.1BAR) and make sure there is at least 1/2" (13mm) clearance from anything that might rub against each air spring. Be sure to check the tire, brakes, frame, shock absorbers, and brake cables.
- ❑ **Leak test before road test** — Inflate the air springs to 40-60 PSI (2.8-4.1BAR) and check all connections for leaks. All leaks must be eliminated before the vehicle is road-tested.
- ❑ **Heat test** — Be sure there is sufficient clearance from heat sources, at least 6" (152mm) for air springs and air lines. If a heat shield was included in the kit, install it. If there is no heat shield, but one is required, call Air Lift customer service at (800) 248-0892.
- ❑ **Fastener test** — After 500 miles (800km), recheck all bolts for proper torque.
- ❑ **Road test** — The vehicle should be road-tested after the initial tests. Inflate the air springs to recommended driving pressures. Drive the vehicle 10 miles (16km) and recheck for clearance, loose fasteners, and air leaks.
- ❑ **Operating instructions** — If professionally installed, the installer should review the operating instructions with the owner. Be sure to provide the owner with all of the paperwork that came with the kit.

## MAINTENANCE AND USE GUIDELINES

1. Check air pressure weekly.
2. Always maintain normal ride height. Never inflate beyond 100 PSI (7BAR).
3. If the system develops an air leak, use a soapy water solution to check all air line connections and the inflation valve core before deflating and removing the air spring.
4. Upon successful completion of the installation, follow these pressure requirements for the air springs.



**Minimum Recommended  
Air Pressure**



**Maximum Air Pressure**



### CAUTION

FOR SAFETY AND TO PREVENT POSSIBLE DAMAGE TO THE VEHICLE, DO NOT EXCEED MAXIMUM GROSS VEHICLE WEIGHT RATING (GVWR) OR PAYLOAD RATING, AS INDICATED BY THE VEHICLE MANUFACTURER.

ALTHOUGH THE AIR SPRINGS ARE RATED AT A MAXIMUM INFLATION PRESSURE OF 100 PSI (7BAR), THE AIR PRESSURE ACTUALLY NEEDED IS DEPENDENT ON LOAD AND GROSS VEHICLE WEIGHT RATING.

# Limited Warranty and Return Policy

Air Lift Company provides a Limited Lifetime Warranty\* to the original purchaser of its load support products, from the date of original purchase, that the products will be free from defects in workmanship and materials when used on cars and trucks as specified by Air Lift Company and under normal operating conditions, subject to the requirements and exclusions set forth in the full Limited Warranty and Return Policy.

\*Full Limited Warranty and Return Policy are available at [www.airliftcompany.com/warranty](http://www.airliftcompany.com/warranty) and are subject to change.

## WARRANTY REGISTRATION & CLAIMS

- To register your warranty, please visit <https://www.airliftcompany.com/support/warranty/register/>
- To submit a warranty claim, please visit <https://www.airliftcompany.com/support/warranty/submit-claim/>





Thank you for purchasing Air Lift Products!

## Need Help?

Contact Air Lift Company Customer Service at (800) 248-0892  
or email [service@airliftcompany.com](mailto:service@airliftcompany.com).

For calls outside the U.S. or Canada, dial +1 (517) 322-2144.



Air Lift Company • 2727 Snow Road • Lansing, MI 48917 or P.O. Box 80167 • Lansing, MI 48908-0167

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