

Load**LIFTER** 5000™ **ULTIMATE**

ADJUSTABLE AIR HELPER SPRINGS

TOW AND HAUL WITH SAFETY AND COMFORT™



Kit Number
88138

INSTALLATION GUIDE

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.

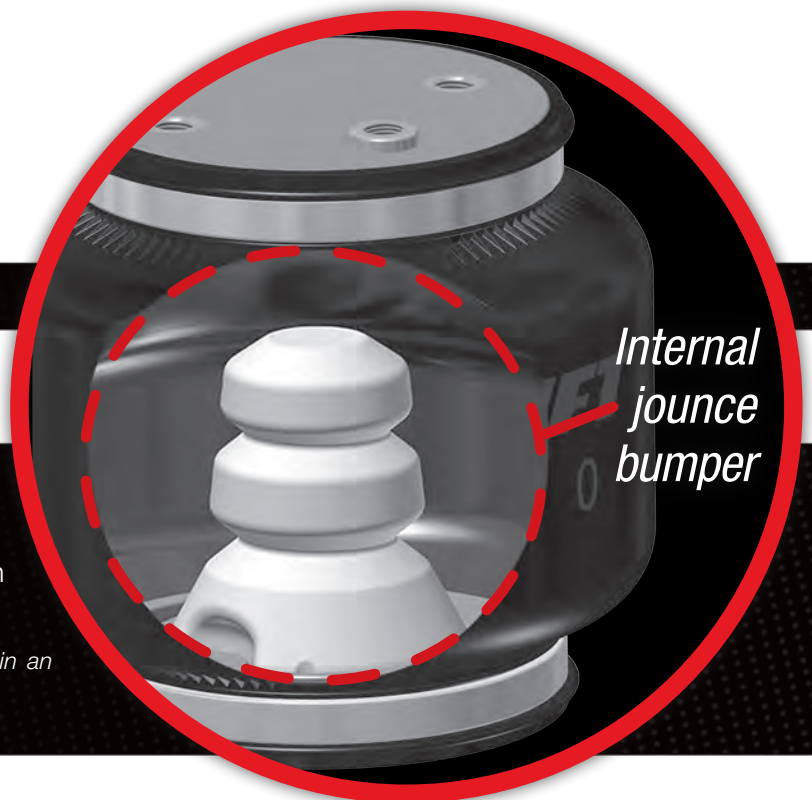


TABLE OF CONTENTS

Introduction	2
Important Safety Notice	2
Notation Explanation	2
Kit Hardware and Tools Lists	3
Installing the LoadLifter 5000 Ultimate System	4
Getting Started	4
Assembling the Air Spring Unit	4
Lowering the Suspension	6
Attaching the Upper Bracket	6
Attaching the Lower Bracket	8
Installing the Air Lines	10
Installing the Heat Shield	11
Checking for Leaks	11
Fixing Leaks	11
Before Operating	12
Installation Checklist	12
Post-Installation Checklist	12
Product Use, Maintenance and Servicing	13
Minimum Recommended Pressure and Maximum Pressure	13
Maintenance Guidelines	13
Troubleshooting Guide	13
Frequently Asked Questions	14
Tuning the Air Pressure	14
Guidelines for Adding Air	15
Choosing the Right On-Board Air Compressor System	16
Warranty and Returns Policy	17
Replacement Information	18
Contact Information	18

Introduction

The purpose of this publication is to assist with the installation, maintenance and troubleshooting of the LoadLifter 5000 Ultimate air spring kit. LoadLifter 5000 Ultimate utilizes sturdy, reinforced, commercial grade single or double, depending on the kit, convolute bellows. The bellows are manufactured like a tire with layers of rubber and cords that control growth. An internal jounce bumper inside the spring absorbs shock and eliminates harsh jarring on rough roads. The internal jounce bumper replaces the factory bumper and allows the air springs to safely be run at zero air pressure. LoadLifter 5000 Ultimate kits are recommended for most $\frac{3}{4}$ and 1 ton pickups and SUVs with leaf springs and provide up to 5,000 lbs. of load leveling support with air adjustability from 5-100 PSI. The kits are also used in motorhome rear kits and some motorhome fronts where leaf springs are used.

It is important to read and understand the entire installation guide before beginning installation or performing any maintenance, service or repair. The information here includes a hardware list, tool list, step-by-step installation information, maintenance tips, safety information and a troubleshooting guide.

Air Lift Company reserves the right to make changes and improvements to its products and publications at any time. For the latest version of this manual, contact Air Lift Company at (800) 248-0892 or visit our website at www.airliftcompany.com.

IMPORTANT SAFETY NOTICE

The installation of this kit does not alter the Gross Vehicle Weight Rating (GVWR) or payload of the vehicle. Check your vehicle's owner's manual and do not exceed the maximum load listed for your vehicle.

Gross Vehicle Weight Rating: The maximum allowable weight of the fully loaded vehicle (including passengers and cargo). This number — along with other weight limits, as well as tire, rim size and inflation pressure data — is shown on the vehicle's Safety Compliance Certification Label.

Payload: The combined, maximum allowable weight of cargo and passengers that the vehicle is designed to carry. Payload is GVWR minus the Base Curb Weight.

NOTATION EXPLANATION

Hazard notations appear in various locations in this publication. Information which is 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 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 MACHINE OR MINOR PERSONAL INJURY.

NOTE

Indicates a procedure, practice or hint which is important to highlight.

Kit Hardware and Tools Lists

HARDWARE LIST

Item	Part #	Description	Qty
A	58736	Air Springs	2
B1	07463	Upper Bracket - Left Hand	1
B2	07464	Upper Bracket - Right Hand.....	1
C	03982	Lower Bracket	2
D	21837	90° Swivel Air Fitting	2
E	34365	Heat Shield Kit	1
F	10785	3/8"-16 x 6" U-Bolt.....	2
G	01775	Saddle Clamps.....	2
H	17103	5/16"-18 x 1" Hex Head Cap Screws ..	2
I	18438	5/16"-18 Nyloc Nut	2
J	18435	3/8"-16 Nyloc Nut	6
K	18444	3/8" Flat Washer	10
L	17405	3/8"-24x3/8"-16 Double End Stud	2
M	17203	3/8"-24x 7/8" Hex Head Cap Screws ..	6
N	18427	3/8" Lock Washer.....	6
O	11042	Brake Line Bracket (E-350).....	1
P	17444	M8 x 20 Bolt.....	1
Q	18501	M8 Flat Washer.....	1
R	18489	M8 x 1 Nyloc Nut.....	1
S	20086	Air Line Assembly	1
T	10466	Tie Strap	6
U	21230	Valve Caps.....	2
V	18405	5/16" Flat Washer	2
W	21234	Rubber Washer.....	2
X	18401	Star Washer.....	2
Y	21233	5/16" Hex Nut.....	2

TOOLS LIST

Description.....	Qty
Jack	1
Jack Stands or hoist	2
1/2" Drive ratchet.....	1
3/8" Drive ratchet.....	1
18mm Socket.....	1
21mm and 22mm Sockets.....	1
1/2" Socket	1
22mm Wrench	1
1/2" Wrench	1
3/4" Wrench.....	1



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

Installing the LoadLifter 5000 Ultimate System

CAUTION

YOUR VEHICLE MAY BE EQUIPPED WITH A REAR BRAKE PROPORTIONING VALVE. ANY TYPE OF LOAD ASSIST PRODUCT COULD AFFECT BRAKE PERFORMANCE. WE RECOMMEND THAT YOU CHECK WITH YOUR DEALER BEFORE INSTALLING THIS TYPE OF PRODUCT. IF YOUR VEHICLE DOES NOT HAVE A REAR BRAKE PROPORTIONING VALVE OR IS EQUIPPED WITH AN ANTI-LOCK TYPE BRAKE SYSTEM, INSTALLATION OF A LOAD ASSIST PRODUCT WILL HAVE NO EFFECT ON BRAKE SYSTEM PERFORMANCE.

DANGER

COMPRESSED AIR CAN CAUSE INJURY AND DAMAGE TO THE VEHICLE AND PARTS IF IT IS NOT HANDLED PROPERLY. FOR YOUR SAFETY, DO NOT TRY TO INFLATE THE AIR SPRINGS UNTIL THEY HAVE BEEN PROPERLY SECURED TO THE VEHICLE.

GETTING STARTED

1. Determine the Normal Ride Height. The Normal Ride Height is the distance between the bottom edge of the wheel-well and the center of the hub with the vehicle in the "as delivered" condition. In some cases, Normal Ride Height is not perfectly level.
 - a. Remove unusual loads and examine your vehicle from the side to ensure it is on a level surface.
 - b. If necessary (in cases where your leaf springs are sagging badly), use a jack to raise the rear end so that the vehicle achieves the original "as delivered" ride height.
2. Measure the distance between the center of the hub and the bottom edge of the wheel well (see fig. 1). This is the Normal Ride Height. Enter the measurement below:

NORMAL

RIDE HEIGHT: _____ inches



fig. 1

ASSEMBLING THE AIR SPRING UNIT

1. The upper brackets are designated "Left" and "Right" indicated by "L" or "R" on the bracket. "L" for the driver side and "R" for the passenger side (fig. 2).
2. Install 90 degree air swivel fitting (D) to the top of the air spring. Tighten 1 and 1/2 turns.
3. Align the right hand upper bracket (B2) with the mounting holes in the air spring and install the 3/8" stud (L) in the outboard tapped hole with the short threaded portion into the air spring (fig. 3).

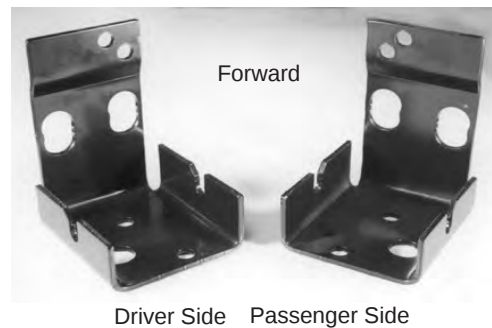


fig. 2



fig. 3

NOTE

Finger tight only. Do not over tighten.

4. LOOSELY install the $\frac{3}{8}$ " lock washer (N) and $\frac{3}{8}$ x $\frac{7}{8}$ " hex head cap screws (M). Leave loose to allow installation of the upper bracket.
5. Attach the lower bracket (C) to the bottom of the air spring. Use the forward, inboard hole as shown in fig. 4.

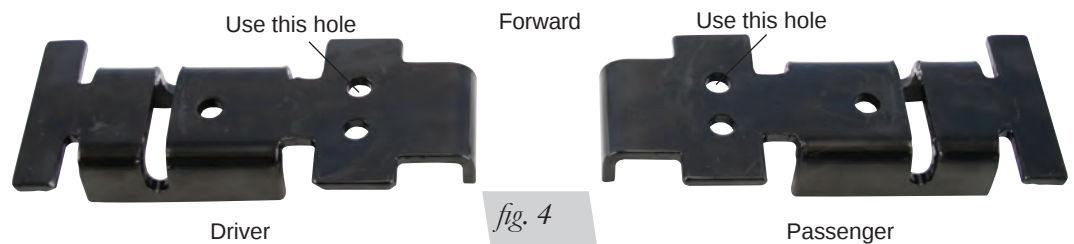


fig. 4

6. Secure lower bracket to the air spring using the $\frac{3}{8}$ " lock washers (N) and $\frac{3}{8}$ x $\frac{7}{8}$ " hex head cap screws (M). Torque to 20 ft./lbs.
7. This completes the assembly of the Passenger side (fig. 5). Now assemble the Driver side (left hand) in the same manner.



fig. 5

LOWERING THE SUSPENSION

NOTE

It will be necessary to lower the suspension of the vehicle in order to provide clearance to install the air spring unit (fig. 6). The following are tips on lowering the axle or raising the frame. Please review them and determine how to proceed:



fig. 6

1. If the vehicle is raised with an axle contact hoist, place axle stands under the frame and lower the axle as needed.
2. If the vehicle is raised with a frame contact hoist, place axle stands under the axle and lower the frame as needed.
3. If the vehicle is raised with a jack and supported with axle stands on the frame, use a floor jack to lower the axle.

ATTACHING THE UPPER BRACKET

1. Unbolt and remove the rubber jounce bumper from the frame rail and discard (fig. 7).

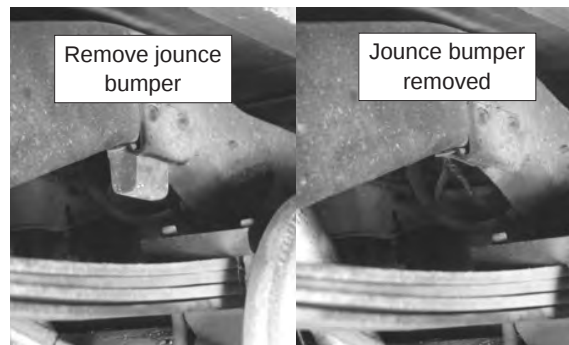


fig. 7

2. With the $\frac{3}{8} \times \frac{7}{8}$ " hex head bolt (M) **loose** in the air spring, insert the stud through the original jounce bumper mounting hole (fig. 8).

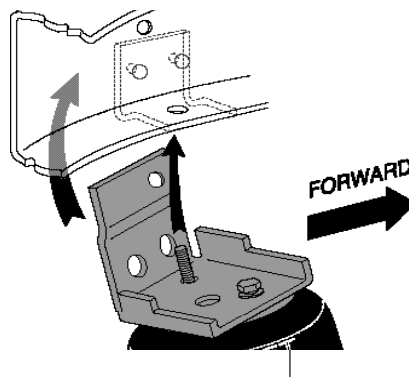
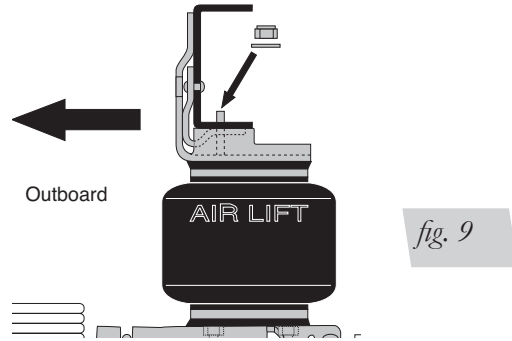


fig. 8

- Secure the stud using flat washer (K) and $\frac{3}{8}$ " lock nut (J). See fig. 9. Torque stud nut to 16ft-lbs.



- Tighten the hex head bolt securely to 16 ft-lbs.
- LATE MODELS** have an existing hole that lines up with the top hole in the bracket so it will not be necessary to drill on these models. On some models the existing hole may have a plastic stud for a wiring harness hanger protruding through it. Push the plastic stud back through the frame and use the existing hole to mount the upper bracket to the side of the frame rail.

NOTE

If there is a vent tube under the brake line bracket on the driver side, then the upper bracket will hit on this during installation. This line will have to be relocated on top of the brake line bracket to provide clearance for the upper bracket.

- If there is no hole, select one of the small holes on the outboard side of the upper bracket that is not on the radius edge of the frame rail.



CAUTION

DO NOT DRILL HOLES INTO FRAME BEFORE CHECKING FOR HYDRAULIC LINES, GAS LINES AND/OR ELECTRICAL WIRES THAT MAY HAVE TO BE MOVED ASIDE ON EITHER SIDE OF THE FRAME. USING THE UPPER BRACKET AS A TEMPLATE, CENTER-PUNCH THE HOLE LOCATION TO BE DRILLED (FIG. 10A). DRILL A $\frac{5}{16}$ " HOLE IN THE FRAME RAIL (FIG. 10B).



fig. 10a



fig. 10b

- Install $\frac{5}{16}$ " x 1" hex head cap screws (H), flat washers (K) and $\frac{5}{16}$ " lock nut (J). Torque to 15 ft-lbs (fig. 11).



fig. 11

ATTACHING THE LOWER BRACKET

NOTE

Most late model vehicles have a small brake line hanger on the passenger side shock bracket that is welded to the axle (fig. 12). Remove the bolt holding the wire brake line bracket to the shock mount. Move line aside and attach the brake line bracket spacer (O) to the axle using the existing M8 bolt removed. Attach the stock brake line bracket to the brake line bracket spacer with the M8 bolt (P), washer (Q) and nut (R) provided. Tighten both securely (fig. 13).



fig. 12



fig. 13

1. Set the assembly on the axle and check for the following.

NOTE

On some models with drum brakes: check to be sure that the lower bracket is not pinching the brake line on the axle. If it is then, bend the tab holding the brake line away from the axle housing (fig. 14). Reposition the line and bend the tab back to hold the line in the new position away from the lower bracket leg.

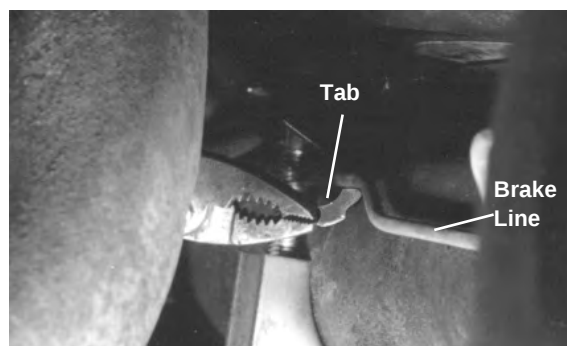
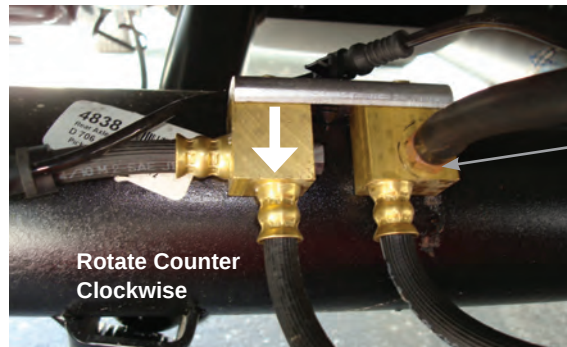


fig. 14

2. Position the lower bracket so that the outboard edge is between the leaf spring U-bolts (fig 15). Insert the U-bolt (F) provided in the outboard slot of the lower bracket (fig. 18).



fig. 15



Axle Vent
Tube Bolt

fig. 16

NOTE

Some late models are equipped with the RSC (roll stability control) system (fig. 16). On these models it will be necessary to loosen the axle vent tube bolt and rotate the brake line junction box counter clockwise as far as it will let you. Tighten the axle vent tube bolt securely (fig. 17).

3. Secure the lower bracket to the axle using the saddle clamps (G), flat washers (K) and 3/8" nuts (J). See fig. 18.
4. Torque the nuts to 16 ft-lbs (fig. 18). Trim excess bolt off if desired.



fig. 17



fig. 18

INSTALLING THE AIR LINES

1. Choose a convenient location for mounting the inflation valves. Popular locations for the inflation valve are:
 - a. The wheel well flanges
 - b. The license plate recess in bumper
 - c. Under the gas cap access door
 - d. Through the license plate

NOTE

Whatever the chosen location, make sure there is enough clearance around the inflation valves for an air chuck.

2. Drill two 5/16" holes to install the inflation valves.
3. Cut the air line assembly in two equal lengths.

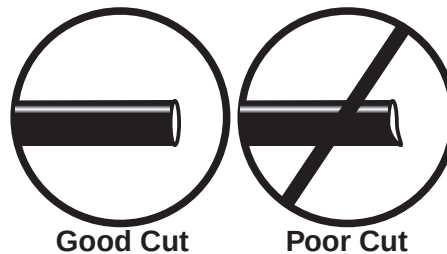
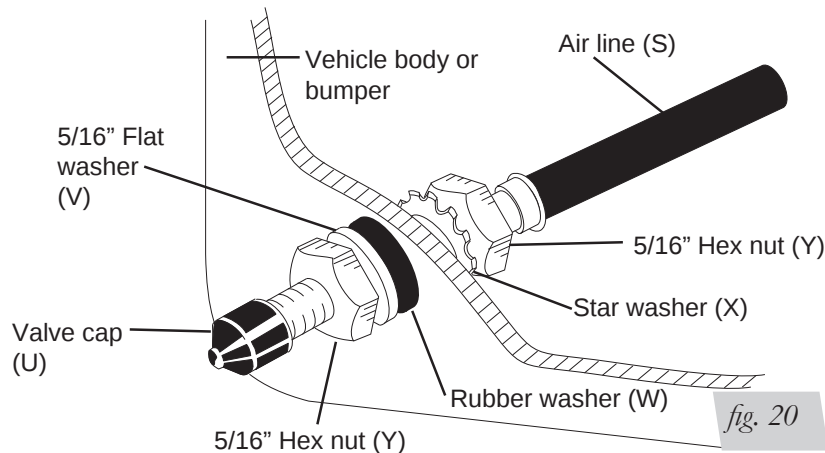


fig. 19



CAUTION

WHEN CUTTING OR TRIMMING THE AIR LINE, USE A HOSE CUTTER, A RAZOR BLADE, OR A SHARP KNIFE. A CLEAN, SQUARE CUT WILL ENSURE AGAINST LEAKS. DO NOT USE WIRE CUTTERS OR SCISSORS TO CUT THE AIR LINE. THESE TOOLS MAY FLATTEN OR CRIMP THE AIR LINE CAUSING IT TO LEAK AROUND THE O-RING SEAL INSIDE THE ELBOW FITTING (FIG. 19).



4. Place a 5/16" nut and star washer (X) on the air valve. Leave enough of the inflation valve in front of the nut to extend through the hole and have room for the rubber washer (W), flat washer (V), and 5/16" nut (Y) and valve cap (U). There should be enough valve exposed after installation—approximately 1/2"—to easily apply a pressure gauge or an air chuck (fig. 20).
5. Push the inflation valve through the hole and use the rubber washer, flat washer, and
6. Route the air line along the frame to the air fitting on the air spring (fig. 21). Keep AT LEAST 6" of clearance between the air line and heat sources, such as the exhaust pipes, muffler, or catalytic converter. Avoid sharp bends and edges. Use the plastic tie straps (T) to secure the air line to fixed, non-moving points along the chassis. Be sure that the tie straps are tight, but do not pinch the air line. Leave at least 2" of slack to allow for any movement that might pull on the air line (fig. 21).

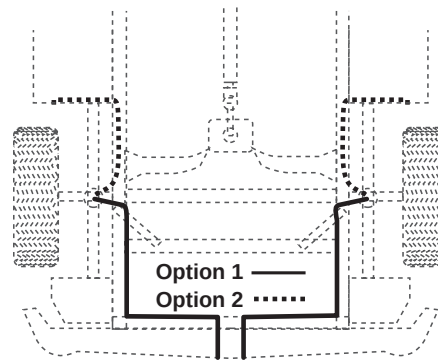


fig. 21

7. Cut off the air line, leaving approximately 12" of extra air line. A clean square cut will ensure against leaks. Insert the air line into the air fitting. This is a push-to-connect fitting. Simply push the air line into the 90° swivel fitting (D) until it bottoms out (9/16" of air line should be in the fitting).
8. Install the minimum/maximum air pressure decal in a highly visible location. We suggest placing the decal on the driver-side window, just above the door handle.

INSTALLING THE HEAT SHIELD

1. Bend tabs to provide a 1/2" dead air space between exhaust pipe and heat shield (fig. 22).
2. Attach the heat shield to the exhaust pipe using the clamps. Bend the heat shield for maximum clearance to the air spring (fig. 22).

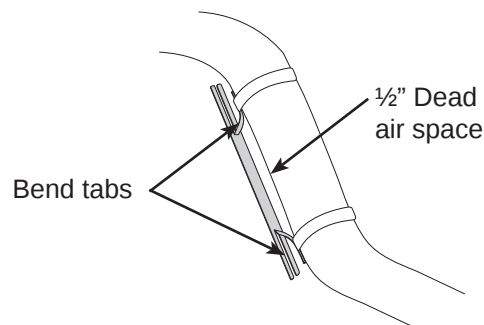


fig. 22

CHECKING FOR LEAKS

1. Inflate the air spring to 30 PSI.
2. Spray all connections and the inflation valves with a solution of 1/5 liquid dish soap and 4/5 water. Spot leaks easily by looking for bubbles in the soapy water.
3. After the test, deflate the springs to the minimum pressure required to restore the system to normal ride height. Do not deflate to lower than 5 PSI.
4. Check the air pressure again after 24 hours. A 2 - 4 PSI loss after initial installation is normal. Retest for leaks if the loss is more than 5 lbs.

FIXING LEAKS

1. If there is a problem with the swivel fitting:
 - a. Check the air line connection by deflating the spring and removing the line by pulling the collar against the fitting and pulling firmly on the air line. Trim 1" off the end of the air line. Be sure the cut is clean and square (see fig. 19). Reinsert the air line into the push-to-connect fitting.
 - b. Check the threaded connection by tightening the swivel fitting another 1/2 turn. If it still leaks, deflate the air spring, remove the fitting, and re-coat the threads with thread sealant. Reinstall by hand tightening as much as possible and then use a wrench for an additional two turns.

2. If there is a problem with the inflation valve:
 - a. Check the valve core by tightening it with a valve core tool.
 - b. Check the air line by removing the air line from the barbed type fitting. Cut the air line off a few inches in front of the fitting and use a pair of pliers or vice grips to pull/twist the air line off of the fitting.

CAUTION

DO NOT CUT OFF THE AIR LINE COMPLETELY AS THIS WILL USUALLY NICK THE BARB AND RENDER THE FITTING USELESS.

3. If the preceding steps have not resolved the problem, call Air Lift customer service at (800) 248-0892.

Before Operating

INSTALLATION CHECKLIST (To be completed by installer)

- ☐ Clearance test — Inflate the air springs to 60 PSI and ensure there is at least ½" clearance around each bellow, away from anything that might rub against them. Be sure to check the tire, brake drum, frame, shock absorbers and brake cables.
- ☐ Leak test before road test — Inflate the air springs to 60 PSI, check all connections for leaks with a soapy water solution. See page 12 for tips on how to spot leaks. All leaks must be eliminated before the vehicle is road tested.
- ☐ Heat test — Be sure there is sufficient clearance from any heat sources — at least 6" 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 (800) 248-0892.
- ☐ Fastener test — Recheck all bolts for proper torque. Axle clamp bar carriage bolt lock nuts should be torqued to 16 ft/lbs. Re-torque after 100 miles.
- ☐ Road test — The vehicle should be road tested after the preceding tests. Inflate the air springs to 25 PSI (50 PSI if the vehicle is loaded). Drive the vehicle 10 miles and recheck for clearance, loose fasteners and air leaks.
- ☐ Operating instructions — If professionally installed, the installer should review the Product Use, Maintenance and Servicing section on page 14 with the owner. Be sure to provide the owner with all of the paperwork which came with the kit.

Technician's Signature _____

Date _____

POST-INSTALLATION CHECKLIST

- ☐ Overnight leak down test — Recheck air pressure after the vehicle has been used for 24 hours. If the pressure has dropped more than 5 PSI, then there is a leak that must be fixed. Either fix the leak yourself or return to the installer for service.
- ☐ Air pressure requirements — Regardless of load, the air pressure should always be adjusted to maintain ride height at all times.
- ☐ Thirty day or 500 mile test — Recheck the air spring system after 30 days or 500 miles, whichever comes first. If any part shows signs of rubbing or abrasion, the source should be identified and moved, if possible. If it is not possible to relocate the cause of the abrasion, the air spring may need to be remounted. If professionally installed, the installer should be consulted. Check all fasteners for tightness.

Product Use, Maintenance and Servicing

Minimum Recommended Pressure	Maximum Air Pressure
5 PSI	100 PSI

MAINTENANCE GUIDELINES

NOTE

By following the steps below, vehicle owners will obtain the longest life and best results from their air springs.

1. Check the air pressure weekly.
2. Always maintain normal ride height. Never inflate beyond 100 PSI.
3. If you develop an air leak in the system, use a soapy water solution (1/5 liquid dish soap and 4/5 water) to check all air line connections and the inflation valve core before deflating and removing the air spring.



CAUTION

FOR YOUR SAFETY AND TO PREVENT POSSIBLE DAMAGE TO YOUR VEHICLE, DO NOT EXCEED MAXIMUM GROSS VEHICLE WEIGHT RATING (GVWR), AS INDICATED BY THE VEHICLE MANUFACTURER. ALTHOUGH YOUR AIR SPRINGS ARE RATED AT A MAXIMUM INFLATION PRESSURE OF 100 P.S.I., THE AIR PRESSURE ACTUALLY NEEDED IS DEPENDANT ON YOUR LOAD AND GVWR.

4. Loaded vehicles require at least 25 PSI or more. A "loaded vehicle" refers to a vehicle with a heavy bed load, a trailer, or both. As discussed above, never exceed GVWR, regardless of air spring, air pressure, or other load assist. The springs in this kit will support approximately 40 lbs. of load (combined on both springs) for each 1 PSI of pressure. The required air pressure will vary depending on the state of the original suspension. Operating the vehicle below the minimum air spring pressure will void the Air Lift warranty.
5. When increasing load, always adjust the air pressure to maintain the normal ride height. Increase or decrease pressure from the system as necessary to attain normal ride height for optimal ride and handling. Remember that loads carried behind the axle (including tongue loads) require more leveling force (pressure) than those carried directly over the axle.
6. Always add air to springs in small quantities, checking the pressure frequently.
7. Should it become necessary to raise the vehicle by the frame, make sure the system is at minimum pressure (5 PSI) to reduce the tension on the suspension/brake components. Use of on board leveling systems do not require deflation or disconnection.
8. Periodically check the air spring system fasteners for tightness. Also, check the air springs for any signs of rubbing. Realign if necessary.
9. On occasion, give the air springs a hard spray with a garden hose in order to remove mud, sand, gravel or other abrasive debris.

TROUBLESHOOTING GUIDE

1. Leak test the air line connections, the threaded connection into the air spring, and all fittings in the control system.
2. Inspect the air lines to be sure none are pinched. Tie straps may be too tight. Loosen or replace the strap and replace leaking components.
3. Inspect the air line for holes and cracks. Replace as needed.
4. Look for a kink or fold in the air line. Reroute as needed.

If the preceding steps do not solve the problem, it is possibly caused by a failed air spring — either a factory defect or an operating problem. Please call Air Lift at (800) 248-0892 for assistance.

FREQUENTLY ASKED QUESTIONS

Q. Will installing air springs increase the weight ratings of a vehicle?

No. Adding air springs will not change the weight ratings (GAWR, GCWR and/or GVWR) of a vehicle. Exceeding the GVWR is dangerous and voids the Air Lift warranty.

Q. Is it necessary to keep air in the air springs at all times and how much pressure will they need?

For LoadLifter 5000 Ultimate, the recommended minimum air pressure is 5 PSI, but it can safely be run at zero air pressure.

Q. Is it necessary to add a compressor system to the air springs?

No. Air pressure can be adjusted with any type of compressor as long as it can produce sufficient pressure to service the springs. Even a bicycle tire pump can be used, but it's a lot of work.

Q. How long should air springs last?

If the air springs are properly installed and maintained they can last indefinitely.

Q. Will raising the vehicle on a hoist for service work damage the air springs?

No. The vehicle can be lifted on a hoist for short-term service work such as tire rotation or oil changes. However, if the vehicle will be on the hoist for a prolonged period of time, support the axle with jack stands in order to take the tension off of the air springs.

TUNING THE AIR PRESSURE

Pressure determination comes down to three things — level vehicle, ride comfort, and stability.

1. Level vehicle

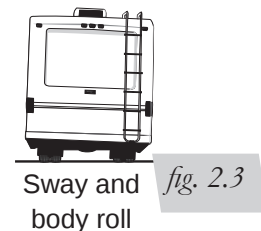
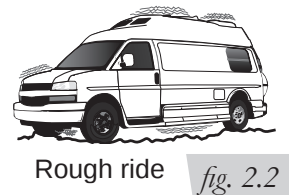
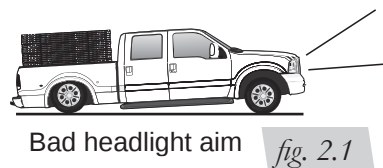
If the vehicle's headlights are shining into the trees or the vehicle is leaning to one side, then it is not level (fig. 2.1). Raise the air pressure to correct either of these problems and level the vehicle.

2. Ride comfort

If the vehicle has a rough or harsh ride it may be due to either too much pressure or not enough (fig. 2.2). Try different pressures to determine the best ride comfort.

3. Stability

Stability translates into safety and should be the priority, meaning the driver may need to sacrifice a perfectly level and comfortable ride. Stability issues include roll control, bounce, dive during braking and sponginess (fig. 2.3). Tuning out these problems usually requires an increase in pressure.



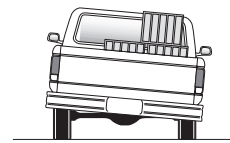
GUIDELINES FOR ADDING AIR

1. Start with the vehicle level or slightly above.
2. When in doubt, always add air.
3. If the front of the vehicle dives while braking, increase the pressure in the front air bags, if equipped.
4. If it is ever suspected that the air bags have bottomed out, increase the pressure (fig. 2.4).
5. Adjust the pressure up and down to find the best ride.
6. If the vehicle rocks and rolls, adjust the air pressure to reduce movement.
7. It may be necessary to maintain different pressures on each side of the vehicle. Loads such as water, fuel, and appliances will cause the vehicle to be heavier on one side (fig. 2.5). As much as a 50 PSI difference is not uncommon.

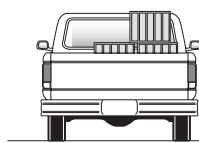


Bottoming out

fig. 2.4



Unlevel



Level

fig. 2.5

Choosing the Right On-Board Air Compressor System

60 DAY NO QUESTIONS ASKED, MONEY-BACK GUARANTEE

TWO YEAR COMPRESSOR SYSTEM WARRANTY

Add an on-board air compressor system to inflate and deflate your air springs with the touch of a button — from inside or outside of the vehicle.

- For convenient, on-the-go control of your air springs, add an Air Lift on-board air compressor system.
- Air Lift on-board air compressor systems eliminate the search for gas stations that have a working compressor, saving you time, energy and money.
- All systems include a compressor, controller and all parts needed for easy installation.

1. Choose single or dual path inflation (see illustrations at right)

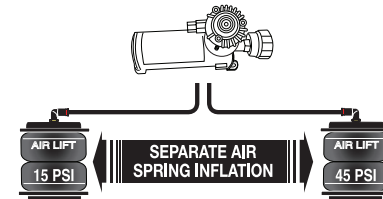
2. Choose wireless or analog control

- **Wireless:** Control your air springs from inside or outside the vehicle. Easiest installation - no wires to the cab.
- **Analog:** In-cab control of your air springs. Economically priced.

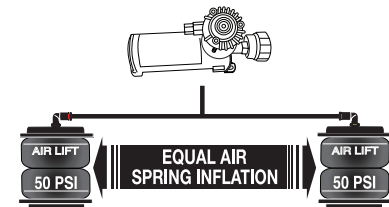
3. Choose heavy or standard duty compressor

- **Standard duty:** A standard duty compressor will work well for most customers who use their system on an intermittent basis.
- **Heavy duty:** For daily use, consider the heavy duty compressor - it inflates faster and more quietly than the standard compressor.

Visit www.airliftcompany.com for more detailed info on compressor systems.



Dual path systems Air springs are controlled separately to allow for different air pressure from side-to-side. Perfect for uneven or top-heavy loads.



Single path systems Two springs will inflate at the same time. Good for loads that are evenly distributed from left-to-right or front-to-back.

WIRELESS

ANALOG

DUAL PATH SINGLE PATH

WirelessAIR™

OUR PREMIUM SYSTEM!

- Easy installation
- Includes heavy duty compressor



P/N 72000

WirelessONE™

- Easy installation
- Includes standard duty compressor



P/N 25870

LoadCONTROLLER™

Dual

Compact, economically priced control.



P/N Standard Duty Compressor

25850; P/N Heavy Duty Compressor 25854

LoadCONTROLLER™

Single

Compact, economically priced control.



P/N Standard Duty Compressor

25852; P/N Heavy Duty Compressor 25856

Warranty and Returns Policy

Air Lift Company warrants its products, for the time periods listed below, to the original retail purchaser against manufacturing defects when used on catalog-listed applications on cars, vans, light trucks and motorhomes under normal operating conditions for as long as Air Lift manufactures the product. The warranty does not apply to products that have been improperly applied, improperly installed, used in racing or off-road applications, used for commercial purposes, or which have not been maintained in accordance with installation instructions furnished with all products. The consumer will be responsible for removing (labor charges) the defective product from the vehicle and returning it, transportation costs prepaid, to the dealer from which it was purchased or to Air Lift Company for verification.

Air Lift will repair or replace, at its option, defective products or components. A minimum \$10.00 shipping and handling charge will apply to all warranty claims. Before returning any defective product, you must call Air Lift at (800) 248-0892 in the U.S. and Canada (elsewhere, (517) 322-2144) for a Returned Materials Authorization (RMA) number. Returns to Air Lift can be sent to: Air Lift Company • 2727 Snow Road • Lansing, MI • 48917.

Product failures resulting from abnormal use or misuse are excluded from this warranty. The loss of use of the product, loss of time, inconvenience, commercial loss or consequential damages is not covered. The consumer is responsible for installation/reinstallation (labor charges) of the product. Air Lift Company reserves the right to change the design of any product without assuming any obligation to modify any product previously manufactured.

This warranty gives you specific legal rights and you may also have other rights that 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, expressed or implied including any implied warranties of merchantability and fitness, which extend beyond this warranty period. There are no warranties that extend beyond the description on the face hereof. Seller disclaims the implied warranty of merchantability. (Dated proof of purchase required.)

Air Lift 1000	Lifetime Limited	LoadController/Dual	2 Year Limited
RideControl	Lifetime Limited	Load Controller (I)	2 Year Limited
LoadLifter 5000*	Lifetime Limited	Load Controller (II)	2 Year Limited
LoadLifter 5000 Ultimate...	Lifetime Limited	SmartAir	2 Year Limited
SlamAir	Lifetime Limited	Wireless AIR.....	2 Year Limited
AirCell	Lifetime Limited	WirelessONE.....	2 Year Limited
Air Lift Performance**	1 Year Limited	Other Accessories.....	2 Year Limited
LoadController/Single.....	2 Year Limited		

**formerly SuperDuty*

***formerly LifeSTYLE & Performance, EasyStreet*

Replacement Information

If you need replacement parts, contact the local dealer or call Air Lift customer service at (800) 248-0892. Most parts are immediately available and can be shipped the same day.

Contact Air Lift Company customer service at (800) 248-0892, first if:

- Parts are missing from the kit.
- Need technical assistance on installation or operation.
- Broken or defective parts in the kit.
- Wrong parts in the kit.
- Have a warranty claim or question.

Contact the retailer where the kit was purchased:

- If it is necessary to return or exchange the kit for any reason.
- If there is a problem with shipping if shipped from the retailer.
- If there is a problem with the price.

Contact Information

If you have any questions, comments or need technical assistance, contact our customer service department by calling (800) 248-0892, Monday through Friday. For calls from outside the USA or Canada, our local number is (517) 322-2144.

For inquiries by mail, our address is PO Box 80167, Lansing, MI 48908-0167. Our shipping address for returns is 2727 Snow Road, Lansing, MI 48917.

You may also contact us anytime by e-mail at sales@airliftcompany.com or on the web at www.airliftcompany.com.



Notes



Notes



Notes

Need Help?

Contact our customer service department by calling (800) 248-0892, Monday through Friday. For calls from outside the USA or Canada, our local number is (517) 322-2144.

**Register your warranty online at
www.airliftcompany.com/warranty**



Thank you for purchasing Air Lift products — the professional installer's choice!

Air Lift Company • 2727 Snow Road • Lansing, MI 48917 or PO Box 80167 • Lansing, MI 48908-0167
Toll Free (800) 248-0892 • Local (517) 322-2144 • Fax (517) 322-0240 • www.airliftcompany.com

Printed in
the USA