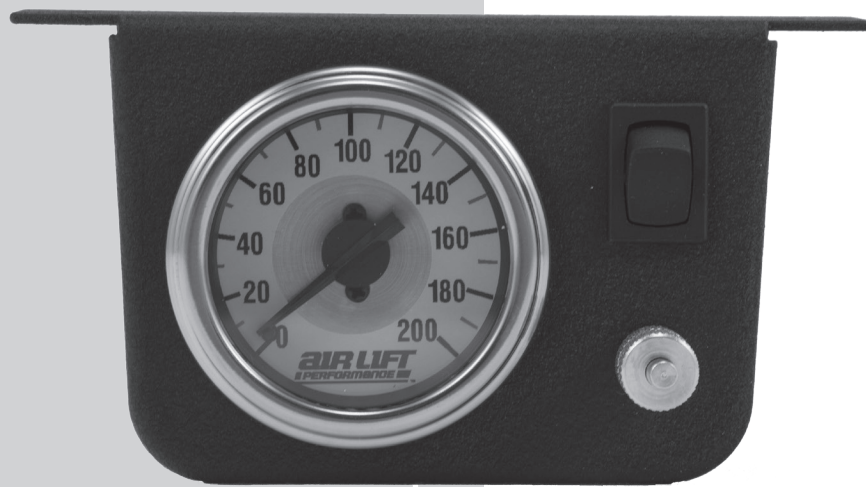


# **Load** **CONTROLLER II™**

by AIR LIFT®

# **Kit 25804**

## **160 PSI Air Shock Controller**



## **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.*





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# Introduction

The purpose of this publication is to assist with the installation, maintenance and troubleshooting of the LoadController II system.

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 guidelines and operating tips.

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 [airliftcompany.com](http://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 truck 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.

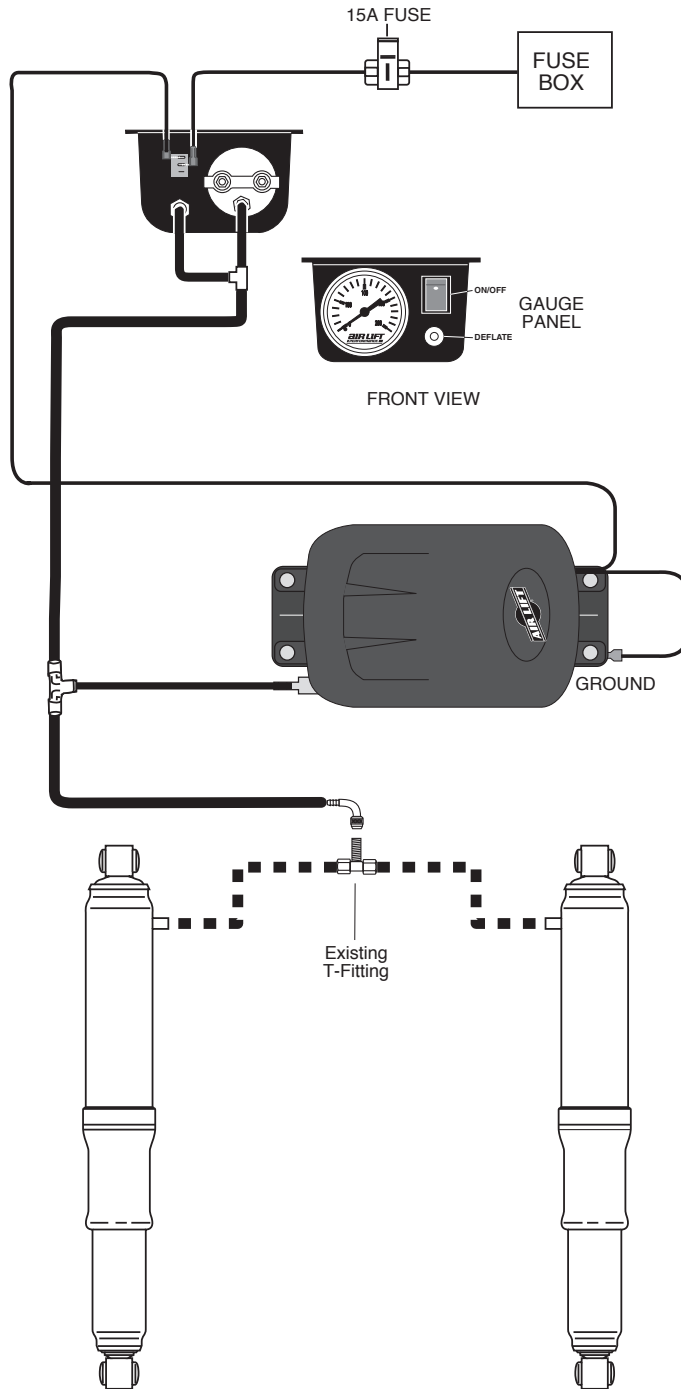
## NOTE

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

# Installation Diagram

**Please read these instructions completely before proceeding with the installation.**

This kit is designed for air shock systems. Pressures in excess of 160 PSI may result in premature compressor failure and/or air leaks in the air line connections.



All pre-assembled gauge panels have been 100% leak and function tested. DO NOT attempt to tighten, loosen or adjust any fittings or connections. This will likely cause a leak or malfunction and void the warranty.

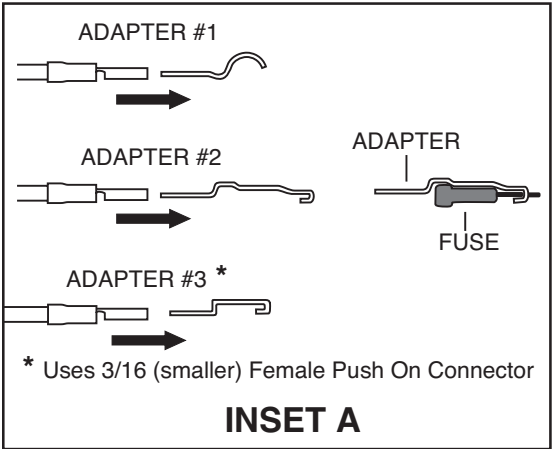


fig. 1

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

# Installing the LoadController II System

## MOUNTING THE COMPRESSOR

1. Using the compressor as a template, attach the compressor to the chosen mounting location using the provided self-tapping screws.
2. In some cases, the mounting area does not allow enough room to use a drill to drive screws in. It will be necessary to use the mounting brackets as a template to drill 13/64" holes through the frame first and then use a 7/16" nut driver to install the self-tapping screws.
3. Attach the ground wire to one of the compressor mounting screws.

### NOTE

*The compressor can be mounted, and will function equally well in any position. It should be mounted so that it is reasonably well protected from the elements, splash, snow/ice build-up, etc. Avoid high-heat environments as this may cause failure of the rubber or polymer components. Typical locations are storage compartments, trunks, inside frame rail below driver/passenger door, or spare tire area.*

### CAUTION

MOUNT THE COMPRESSOR SECURELY AND KEEP THE COMPRESSOR, AIR LINE AND WIRE AT LEAST 12" FROM HEAT SOURCES.

## RECOMMENDED COMPRESSOR LOCATIONS

### Important

LOCATE COMPRESSOR IN DRY, PROTECTED AREA ON VEHICLE.  
DIRECT SPLASH OR EXCESSIVE MOISTURE CAN DAMAGE  
THE COMPRESSOR AND CAUSE SYSTEM FAILURE.

Disclaimer: If you choose to mount the compressor outside the vehicle please keep in mind the compressor body must be shielded from direct splash and the intake should be snorkeled inside the vehicle. If the compressor does not include a remote mount air filter or if mounting the compressor outside the vehicle, make sure to orient the compressor intake filter so that all moisture can easily drain.

### **Please also remember...**

- To avoid high-heat environments.
- To avoid mounting the compressor under the hood.
- To check to be sure the compressor harness #2 will reach the compressor and connect to harness #1.
- The compressor can be mounted in any position — vertical, upside down, sideways, etc.

## MOUNTING THE GAUGE PANEL

1. Select a convenient, sturdy mounting location for the gauge panel (i.e. under the dash, glove box) that has a rigid surface that will provide for a sturdy mounting surface.
2. Using the top of the gauge panel as a template, mark the mounting screw hole locations. Center punch and drill two 1/8" diameter holes (Fig. 2).

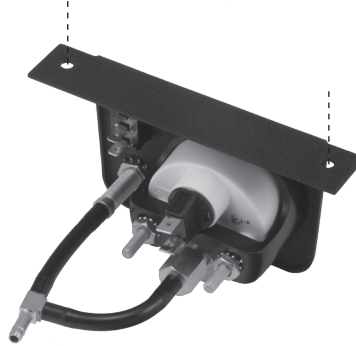


fig. 2

3. Position the gauge panel on the mounting surface and secure with 2 provided self-tapping screws.

### NOTE

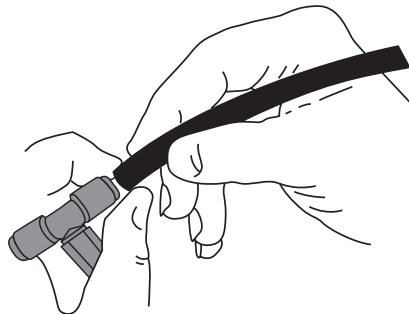
*All pre-assembled gauge panels have been 100% leak and function tested.*

### CAUTION

DO NOT ATTEMPT TO TIGHTEN, LOOSEN OR ADJUST ANY FITTINGS OR CONNECTIONS. THIS WILL LIKELY CAUSE A LEAK OR MALFUNCTION AND VOID THE WARRANTY.

## CONNECTING THE AIR LINES

1. Push air line onto barb fitting on the compressor. Make sure the line covers all barbs. A small amount of water and pushing with a slight circular motion will ease the installation.
2. Use a standard tube cutter, a razor blade, or very sharp knife to cut the air line. A clean square cut will ensure against leaks. Approximately one foot from compressor, cut air line and insert a tee in line as shown in Figure 3.



Cut off excess air line squarely. Install the air line into the fitting. Push the cut end of the air line into the self-locking fitting as far as it will go while slightly turning. A definite click can be heard and/or felt when the air line is seated. Air line should go in approximately 9/16".

fig. 3

3. Run a length of air line from the tee you just installed to the tee fitting that connects the air shocks together. Install the elbow adapter fitting shown in Figure 1. Now secure (thread) the adapter onto the inflation valve of the air shock tee fitting - finger tight - DO NOT OVERTIGHTEN.

## WIRING THE ELECTRICAL CONNECTIONS

1. The kit has two red wire assemblies, one of which is fused. Connect the non-fused wire assembly to the compressor power (red) lead. Route it through the firewall and connect it to a terminal on the back of the ON/OFF switch on the gauge panel.

2. Attach the ground (black) wire to the compressor mounting screws or to an adequate ground (metal fenderwell, frame, etc.) on the chassis.
3. Connect the fused wire assembly to the other terminal on the ON/OFF switch and route it to the vehicle's fuse box. Use a test light to determine which open terminal (accessory, etc.) works only when the key is in the "on" or accessory position. The terminal should have an amperage rating equal to or higher than the 15A in-line fuse.
4. Connection to the fuse terminal will depend on what type of fuse your vehicle uses. If your vehicle uses the barrel type fuse, use adapter #1. If you have the standard spade type fuses, use adapter #2. Many late model vehicles use a smaller spade type fuse which requires adapter #3 - see Inset A on Figure 1.
5. Turn the ignition key on momentarily to test the electrical circuit. Check the air compressor by pressing the "on" button and holding it down. If it runs, turn it off by releasing the button. If the compressor does not run, use a test light to determine that there is power to both sides of the switch. Ensure that the ground (black) wire is providing a sufficient ground.

## OPERATION INSTRUCTION

1. Always follow inflation instructions provided with your air shock kit. Maintain at least the minimum recommended pressure and never exceed the maximum recommended pressure.
2. To add pressure, push and hold the toggle switch to run the compressor and as soon as it reaches the desired ride height release the switch to stop the compressor (Fig. 4).



fig. 4

Push and hold switch to inflate air shocks.

Push to deflate air shocks.

### CAUTION

RUN THE COMPRESSOR IN 4 MINUTE INTERVALS TO ALLOW COOLING OF THE COMPRESSOR.

3. To reduce pressure, push the deflate valve under the on/off switch on the panel.

## CHECKING THE AIR LINE

1. Turn the compressor on and inflate the system to the maximum for your Air Lift or air shock kit.
2. Check all air line connections for air leaks with a soapy solution. Deflate to minimum or desired pressure.

## TROUBLESHOOTING

1. If the compressor does not run — check all wiring and make sure there is a good ground. Check in-line fuse.
2. Compressor runs but air shocks do not pressurize or lose pressure — Test all air line connections with a soapy solution to determine where the air leak is. Replace air line if it is leaking. Also check valve core under deflation button. Tighten if leaking.
3. If problems persist, call Air Lift Customer Service at **800-248-0892**.



# Limited Warranty and Return Policy

## WHAT THIS WARRANTY COVERS

Air Lift Company provides a warranty to the original purchaser of its Load Support Products, for the periods of time listed below, by product line, 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 below.

## WHAT THIS WARRANTY DOES NOT COVER

The warranty does not apply to products that have been improperly applied, improperly installed, or which have not been maintained in accordance with installation instructions furnished with all products. This warranty does not apply and is void if damage or failure is caused by: accident, abuse, misuse (including but not limited to racing or off-road activities or commercial use), abnormal use, faulty installation, liquid contact, fire, earthquake or other external cause; operating the product outside Air Lift Company’s instructions, specifications or guidelines; or service, alteration, maintenance or repairs performed by anyone other than Air Lift Company to the product from its purchased condition. This warranty also does not apply to: consumable parts, such as batteries; cosmetic damage, including but not limited to scratches or dents; defects caused by normal wear and tear or otherwise due to the normal aging of the product, or if any serial or identification number has been removed or defaced from 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.

## LIMITATION OF LIABILITY

To the extent permitted by law, this warranty and the remedies set forth herein are exclusive and in lieu of all other warranties, remedies and conditions, whether oral, written, statutory, express or implied. AIR LIFT COMPANY DISCLAIMS ALL STATUTORY AND IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND WARRANTIES AGAINST HIDDEN OR LATENT DEFECTS TO THE EXTENT PERMITTED BY LAW. To the extent such warranties cannot be disclaimed, such implied warranties shall apply only for the warranty period specified above. Please note that some states do not allow limitation on how long an implied warranty (or condition) lasts. So the above limitation may not apply to you.

Except as provided in this warranty and to the extent permitted by law, Air Lift Company shall not be liable for any direct, special, incidental or consequential damages resulting from any breach of warranty or condition, or arising in connection with the sale, use or repair of air lift products, or under any other legal theory, including but not limited to loss of use, loss of revenue, loss of actual or anticipated profits, loss of the use of money, loss of business, loss of opportunity, loss of goodwill, and loss of reputation. Air Lift Company’s maximum liability shall not in any case exceed the purchase price paid by you for the Air Lift product. Please note that some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

## HOW TO GET SERVICE

If a defect in workmanship or materials causes your Air Lift product to become inoperable within the warranty period, before returning any defective product, call Air Lift Company at (800) 248-0892 in the U.S. and Canada (elsewhere, (517) 322-2144) to obtain a Returned Materials Authorization (RMA) number. The consumer shall be responsible for removing (labor charges) the defective product from the vehicle and returning it, shipping costs prepaid, to Air Lift Company for verification. Returns to Air Lift Company must be postage prepaid and sent to: Air Lift Company • 2727 Snow Road • Lansing, MI • 48917. You must prove to the satisfaction of Air Lift Company the date of original purchase of your Air Lift product. You must also enclose the RMA number and a return address. A minimum \$10 shipping and handling charge will apply to all warranty claims. You must also pack the product to minimize the risk of it being damaged in transit. If we receive a product in damaged condition as the result of shipping, we will notify you and you must seek a claim with the shipper.

## WHAT AIR LIFT COMPANY WILL DO

If you submit a valid claim to Air Lift Company during the warranty period, Air Lift Company will, at its option, repair your Air Lift product or furnish you with a new or rebuilt product. Air Lift Company will not reimburse you for repairs or replacement parts provided by other parties. Your repaired or replacement Air Lift product will be returned to you (subject to payment of the required warranty claim shipping and handling charge) and it will be covered under the warranty for the balance of the warranty period, if any. When a product or part is replaced, any replacement item becomes your property and the replaced item becomes property of Air Lift Company. You are responsible for installation/reinstallation (labor charges) of the product.

## HOW THE LAW RELATES TO THIS WARRANTY

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. By this warranty, Air Lift Company does not limit or exclude your rights except as allowed by law. To fully understand your rights, you should consult the laws of your state.

## SPECIFIC LOAD SUPPORT WARRANTY PERIODS BY PRODUCT LINE

LoadLifter 5000™ Ultimate.....	Lifetime Limited	WirelessAIR™ .....	2 Year Limited
LoadLifter 5000™ .....	Lifetime Limited	WirelessONE™ .....	2 Year Limited
RideControl™ .....	Lifetime Limited	LoadController™ Single and Dual.....	2 Year Limited
Air Lift 1000™ .....	Lifetime Limited	LoadController™ I and II.....	2 Year Limited
AirCell™ .....	Lifetime Limited	SmartAir™ II.....	2 Year Limited
SlamAir™ .....	Lifetime Limited	Other Accessories.....	2 Year Limited

# Replacement Part Information

If replacement parts are needed, 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

<b>Mailing address</b>	P.O. Box 80167 Lansing, MI 48908-0167
<b>Shipping address for returns</b>	2727 Snow Road Lansing, MI 48917
<b>Phone</b>	Toll free: (800) 248-0892 International: (517) 322-2144
<b>Email</b>	<a href="mailto:service@airliftcompany.com">service@airliftcompany.com</a>
<b>Web address</b>	<a href="http://www.airliftcompany.com">www.airliftcompany.com</a>



# Notes

## **Need Help?**

Contact Air Lift Company customer service department by calling (800) 248-0892. For calls from outside the USA or Canada, dial (517) 322-2144.



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

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