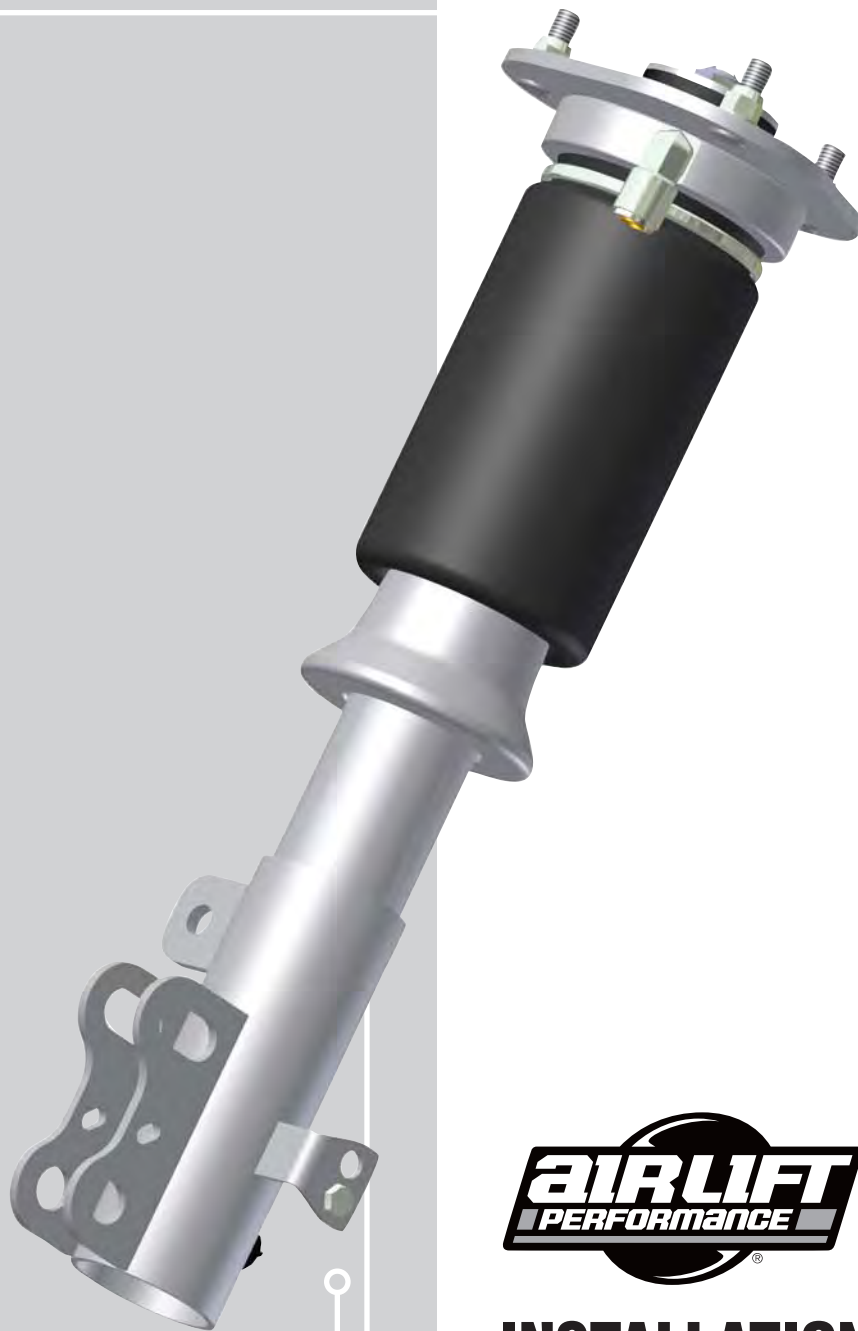


**Air Lift**™  
**PERFORMANCE**

**Kit 75599**  
**2008 Scion xB**



## **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

<b>Introduction</b> . . . . .	<b>2</b>
Important Safety Notice . . . . .	2
Notation Explanation . . . . .	2
<b>Installation Diagram</b> . . . . .	<b>3</b>
Hardware List . . . . .	3
Tools List . . . . .	3
<b>Installing the Air Suspension</b> . . . . .	<b>4</b>
Preparing the Vehicle . . . . .	4
Removing the Strut . . . . .	4
Installing the New Strut Assembly . . . . .	5
Aligning the Vehicle . . . . .	6
<b>Before Operating</b> . . . . .	<b>7</b>
Installation Checklist . . . . .	7
<b>Maintenance and Servicing</b> . . . . .	<b>8</b>
Minimum and Maximum Air Pressures . . . . .	8
Maintaining and Operating . . . . .	8
<b>Replacement Information</b> . . . . .	<b>8</b>
<b>Warranty and Returns Policy</b> . . . . .	<b>9</b>
<b>Contact Information</b> . . . . .	<b>9</b>

# Introduction

The purpose of this publication is to assist with the installation, maintenance and troubleshooting of this Scion Air Lift Performance kit.

It is important to read and understand the entire installation guide before beginning installation or performing any maintenance, service or repair. The information 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](http://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 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.

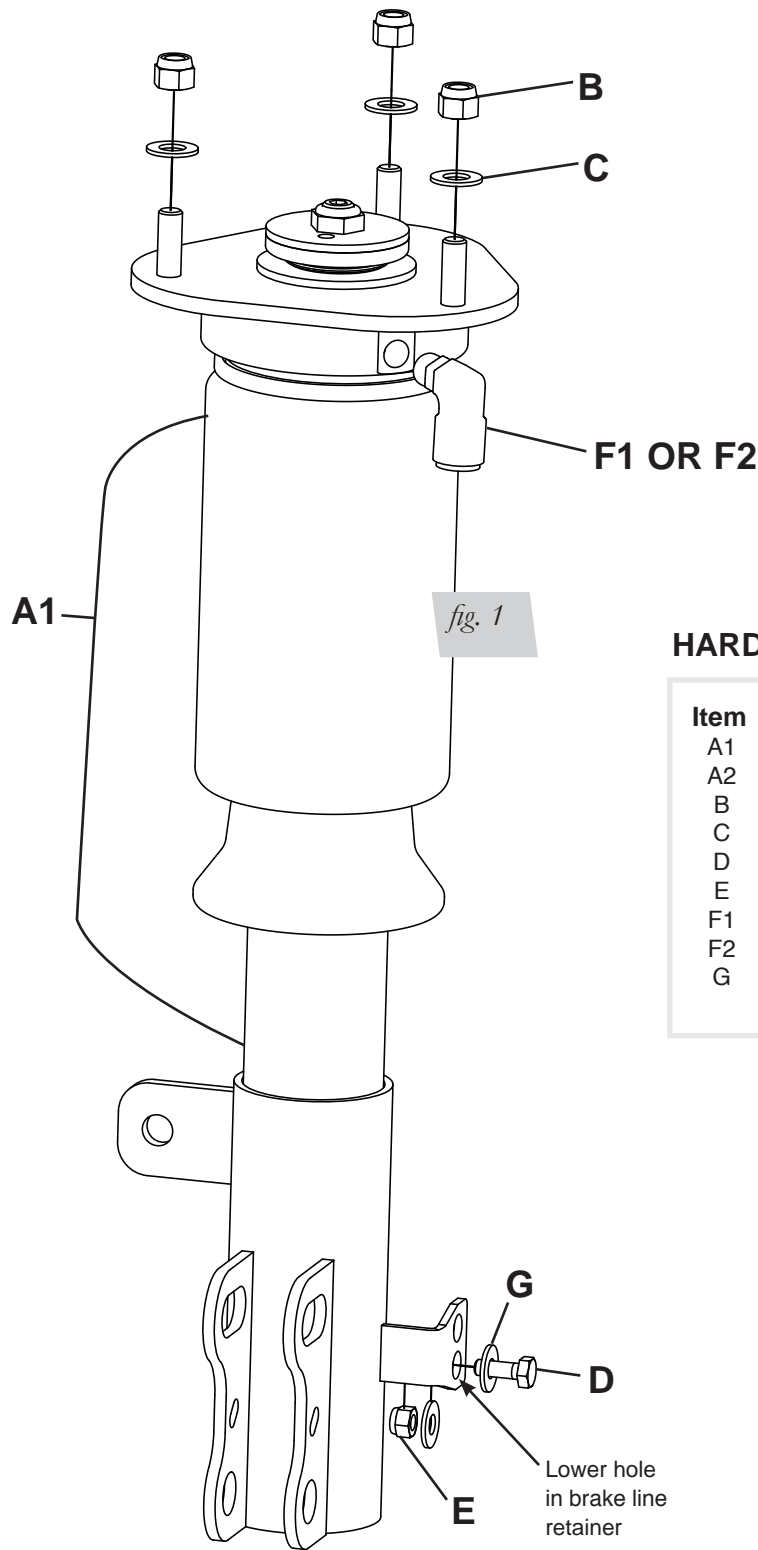
---

## NOTE

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

---

# Installation Diagram



## HARDWARE LIST

Item	Part #	Description .....	Qty
A1	35381	Gen II front strut (left).....	1
A2	35248	Gen II front strut (right, not shown) .....	1
B	18435	3/8"-16 Nyloc nut.....	6
C	18444	3/8" Flat washer .....	6
D	17175	1/4"-20 x .75 Bolt.....	2
E	18425	1/4"-20 Nyloc nut.....	2
F1	21779	Fitting - 1/4NPT X 1/4PTC, Elbow .....	2
F2	21851	Fitting - 1/4NPT X 3/8PTC, Elbow .....	2
G	18521	Flat washer .....	4

## TOOLS LIST

Description.....	Qty
Jack .....	1
Jack stands or hoist.....	2
1/2" Drive ratchet.....	1
17mm Socket.....	1
12mm Wrench .....	1
14mm Wrench .....	1
19mm Wrench & socket .....	1
3/4" Socket .....	1
7/16" Socket & end wrench .....	1
Straight flathead screwdriver .....	1
Torque wrench.....	1
1/2" Socket & wrench .....	1



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

# Installing the Air Suspension

## PREPARING THE VEHICLE

1. Elevate the vehicle and support the body with a hoist or jack stands.
2. Remove the front wheels.

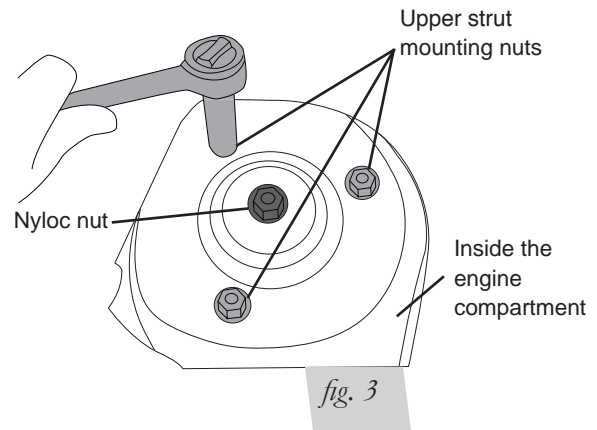
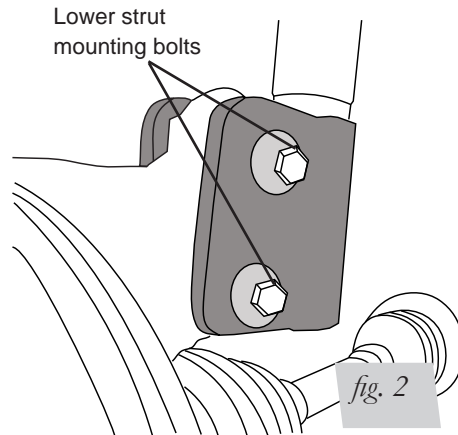
## REMOVING THE STRUT

1. Remove the brake line and ABS retainer bolt; these will no longer be needed.
2. Unbolt the sway bar link from the strut.
3. Using a screwdriver, unclip the ABS line from the retainer.
4. Remove the two lower retaining bolts from the spindle and save for reinstallation (fig. 2).

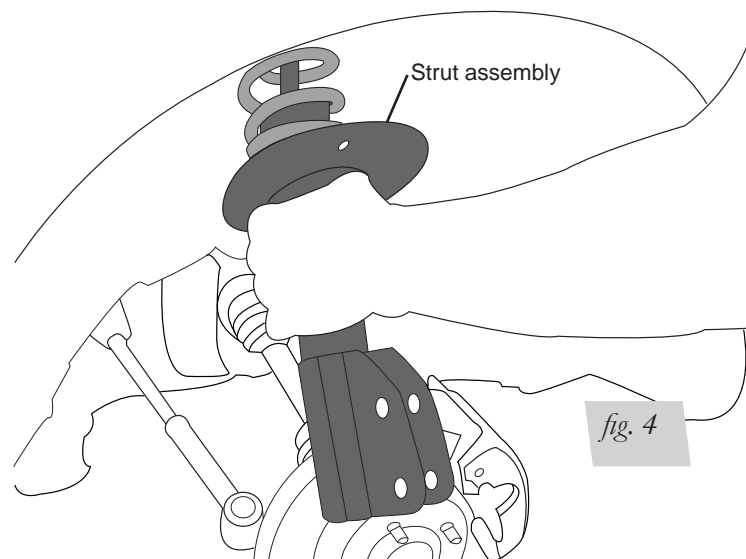
**CAUTION**

MAKE SURE TO SUPPORT THE LOWER SPINDLE/AXLE ASSEMBLY SO AS NOT TO PULL APART THE CV JOINT ON THE AXLE.

5. Remove the three upper retaining nuts; these will no longer be needed (fig. 3).



6. Remove the strut from the vehicle and discard (fig. 4).

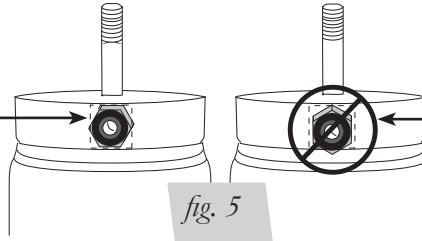


## INSTALLING THE NEW STRUT ASSEMBLY

1. Prior to installing the strut, attach the air fitting provided to the threaded port at the top of the air spring (fig. 5). Seal with teflon tape.

### **Correct air fitting**

**installation:** Hex nut edges are parallel with top and bottom upper end cap edges.



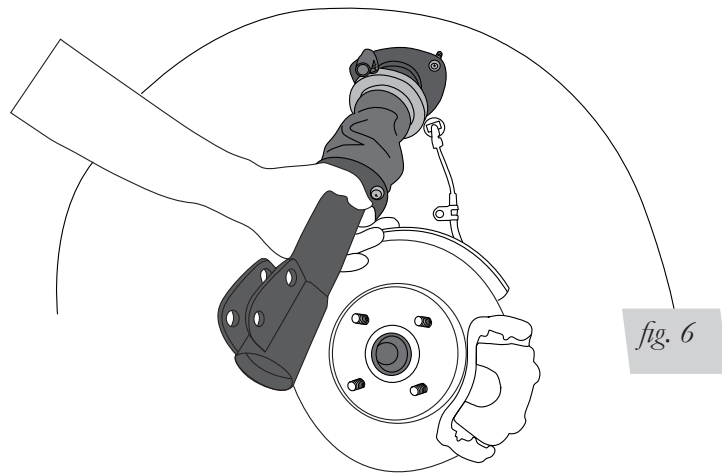
### **Incorrect air fitting**

**installation:** Hex nut point extends over bottom of upper end cap edge and could puncture the air bag.

2. In each inner fender well, in the area surrounding the strut location, check for any screws longer than 1/4". Grind these screws down to less than 1/4".
3. Insert the new strut into the vehicle's strut pocket (fig. 6).

## NOTE

*Each strut is specific to one side of the vehicle only; the strut labeled 35381 fits on the left, driver-side of the vehicle; the other strut labeled 35248 fits on the right, passenger-side of the vehicle.*



4. Secure the top of the strut in place using the 3/8" nyloc nuts (B), and washers (C) provided.

**IMPORTANT:** Torque to 27 ft/lbs.

5. Raise the suspension to align the lower strut mount holes with the spindle. Check the head-to-strut clearance. Reattach using the previously removed factory bolts.

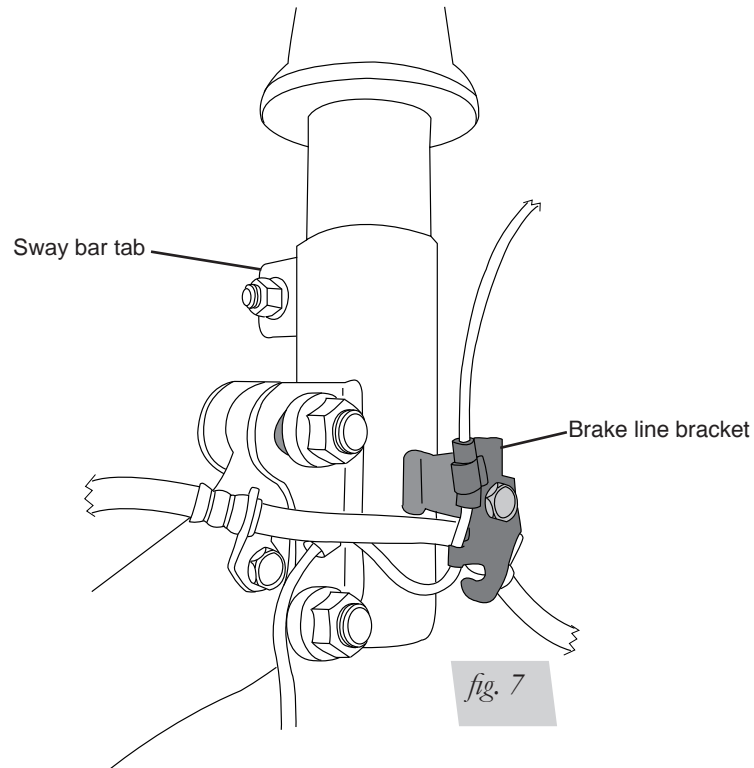
## NOTE

*When aligning, use of Loctite® Red or a similar thread sealant on the nut is recommended.*

- Reattach the ABS and brake lines using the 1/4" bolt (D), nyloc nut (E), and washers (G).

## NOTE

Use the lower holes in the brake line bracket on the strut for reattaching the brake/ABS line (fig. 1 and fig. 7).



- Reattach the sway bar using the original hardware (fig. 7).
- Attach the air hose to the air fitting at the top of the strut.

## ALIGNING THE VEHICLE

- Using the control system, set the vehicle to the new custom ride height.
- If the custom ride height is lower than stock, we recommend loosening all pivot points (bolts, nuts) on any control arm, strut arm or radius rod that contains bushings. Once they have been loosened, re-torque to stock specifications.

## NOTE

It may be necessary to cycle the suspension to loosen the bushing up from its mount. This will help unload the bushing to make it last longer at its new position based on the custom ride height.

## CAUTION

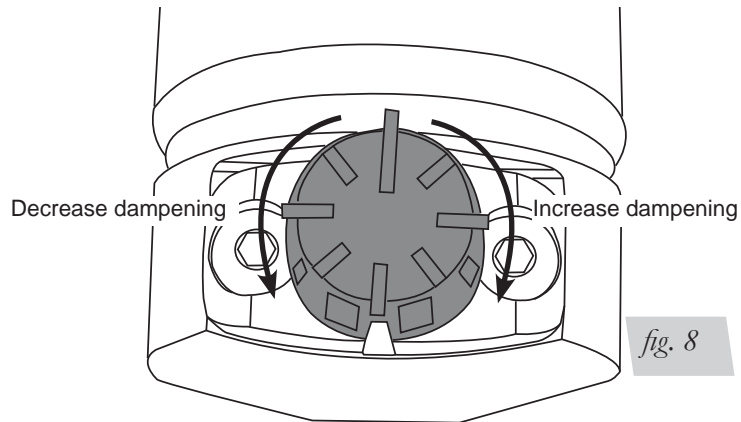
KEEP SAFETY IN MIND WHEN DOING THIS AND SECURE ANY ITEMS THAT COULD COME LOOSE FROM THE VEHICLE.

- The struts have slots built in for proper alignment at your new custom ride height. Have a four-corner alignment done from a qualified technician using the proper alignment tools.
- Tighten all mounting hardware securely to the manufacturer's torque specifications.



# Before Operating

1. The struts for this vehicle come with a nine-position dampening dial for added adjustability (fig. 8). Before driving your vehicle, set the new struts to their highest setting by turning the black dial on the shaft of the strut as far as it will go to the right (position 9).



2. Next, completely deflate and reinflate the air bags 2-3 times to evenly distribute the air that may have shifted during shipping. For normal ride performance and the most versatility, EasyStreet recommends setting the strut dial to position 3.

## CAUTION

MAKE SURE THE FRONT WHEELS ARE STRAIGHT WHEN DEFLATING AND REINFLATING THE AIR BAGS.

3. Inflate and deflate the system (do not exceed 150 PSI) to check for clearance or binding issues. With the air springs deflated, check clearances on everything so as not to pinch brake lines, vent tubes, etc. Clear lines if necessary.
4. Tighten and visually inspect all hardware after 100 miles.
5. Air Lift part #27741 or #27630, High Performance 4 Path Air Management System, is highly recommended for this product.
6. Please continue by reading the Maintenance and Servicing section (page 8).

## INSTALLATION CHECKLIST

- Have all bolts been tightened?
- Is there clearance around all steering links and the air spring?
- Has the system been checked for leaks?
- Have all hoses been routed correctly, away from heat sources and secured in a way so they do not chafe on anything?
- Is a copy of the installation instructions in the vehicle for the customer?
- Has the vehicle been properly aligned?

**Technician's Signature** \_\_\_\_\_

**Date** \_\_\_\_\_

# Maintenance and Servicing

1. Attach the air line as instructed in the manual included with your air management system (#27741 or #27630). To purchase an air management system, call Air Lift customer service at (800) 248-0892.

**CAUTION**

AIR LINES MUST BE ROUTED A MINIMUM OF 3 INCHES AWAY FROM ANY HEAT SOURCE.

2. Inflate and deflate system to check for clearance or binding issues.
3. Struts come with a nine-position dampening dial for added adjustability. Turning the dial clockwise increases dampening.
4. After installation, align the front end of the vehicle.
5. Tighten and visually inspect all hardware after 100 miles.

Minimum Air Pressure	Maximum Air Pressure
10 PSI	150 PSI
FAILURE TO MAINTAIN CORRECT MINIMUM PRESSURE (OR PRESSURE PROPORTIONAL TO LOAD), BOTTOMING OUT, OVER-EXTENSION, OR RUBBING AGAINST ANOTHER COMPONENT WILL VOID THE WARRANTY.	

## MAINTAINING AND OPERATING

1. Always maintain ride height. Increase or decrease pressure from the system as necessary to attain ride height for optimal ride and handling. Never inflate the air spring beyond 150 PSI.

**CAUTION**

FOR YOUR SAFETY AND TO PREVENT DAMAGE TO YOUR VEHICLE, DO NOT EXCEED MAXIMUM GROSS VEHICLE WEIGHT RATING (GVWR), AS INDICATED BY THE VEHICLE MANUFACTURER. CHECK YOUR VEHICLE'S OWNERS MANUAL AND DO NOT EXCEED THE MAXIMUM LOAD LISTED FOR YOUR VEHICLE.

3. Should it become necessary to raise the vehicle by the frame or do any service work, make sure the system is at minimum pressure (10 PSI) for safety and to reduce the tension on the suspension and brake components.

# 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.

## Warranty and Returns Policy

Air Lift Company warrants the Performance line of products to the original purchaser against manufacturing defects one year from the date of purchase when used on cars and trucks as specified under normal operating conditions. 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. 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 may 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.)

## 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, 8 a.m. to 7 p.m. Eastern Time. 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](mailto:sales@airliftcompany.com) or on the web at [www.airliftcompany.com](http://www.airliftcompany.com).

## Need Help?

Contact our customer service department by calling (800) 248-0892, Monday through Friday, 8 a.m. to 7 p.m. Eastern Time. For calls from outside the USA or Canada, our local number is (517) 322-2144.

**Register your warranty online at  
[www.airliftcompany.com/warranty](http://www.airliftcompany.com/warranty)**



*Thank you for purchasing Air Lift Performance products!*

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](http://www.airliftcompany.com)

Printed in  
the USA