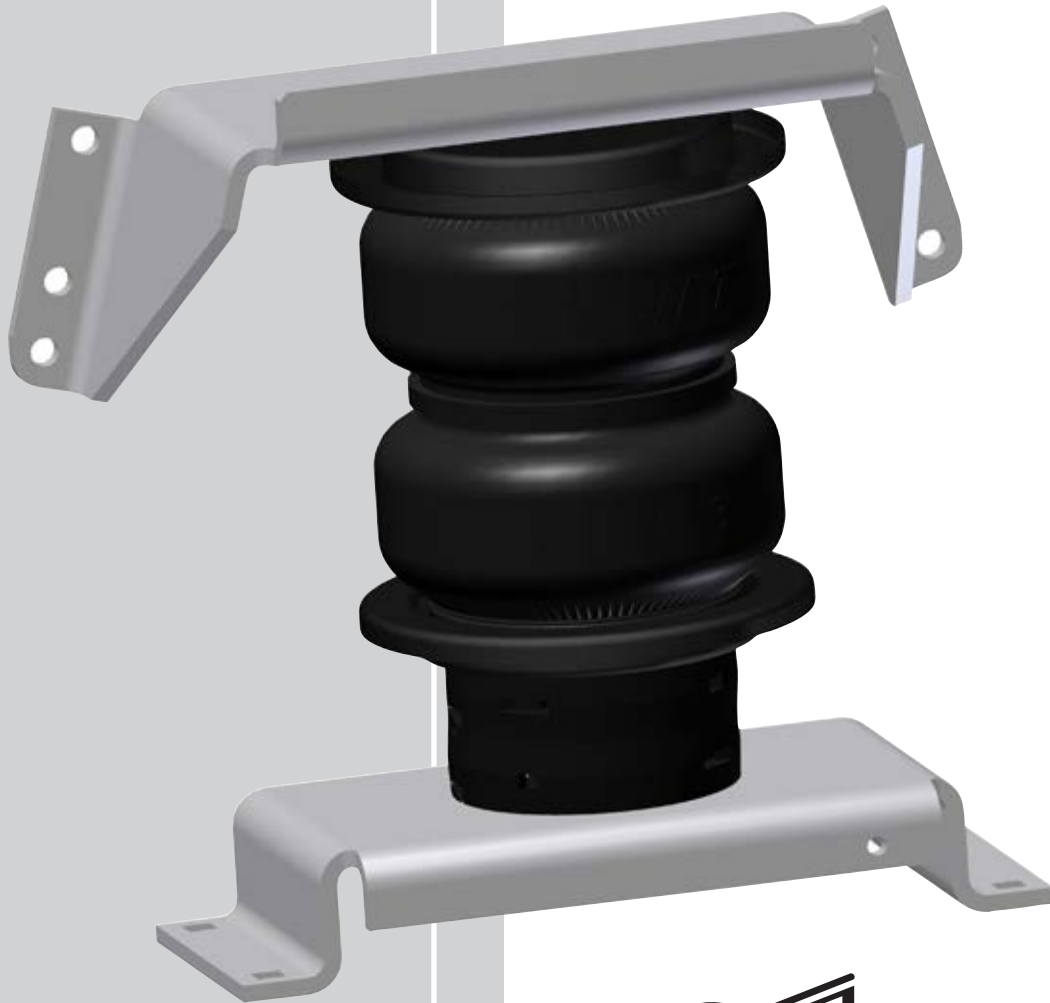


Lock-N-Lift

by AIR LIFT®

Kit 52130, 52140, 52150

Universal Air Spring Spacer System



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 Lock-N-Lift universal air spring spacer 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 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. Contact Air Lift Company at (800) 248-0892 or online at www.airliftcompany.com for the latest version of this manual.

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.



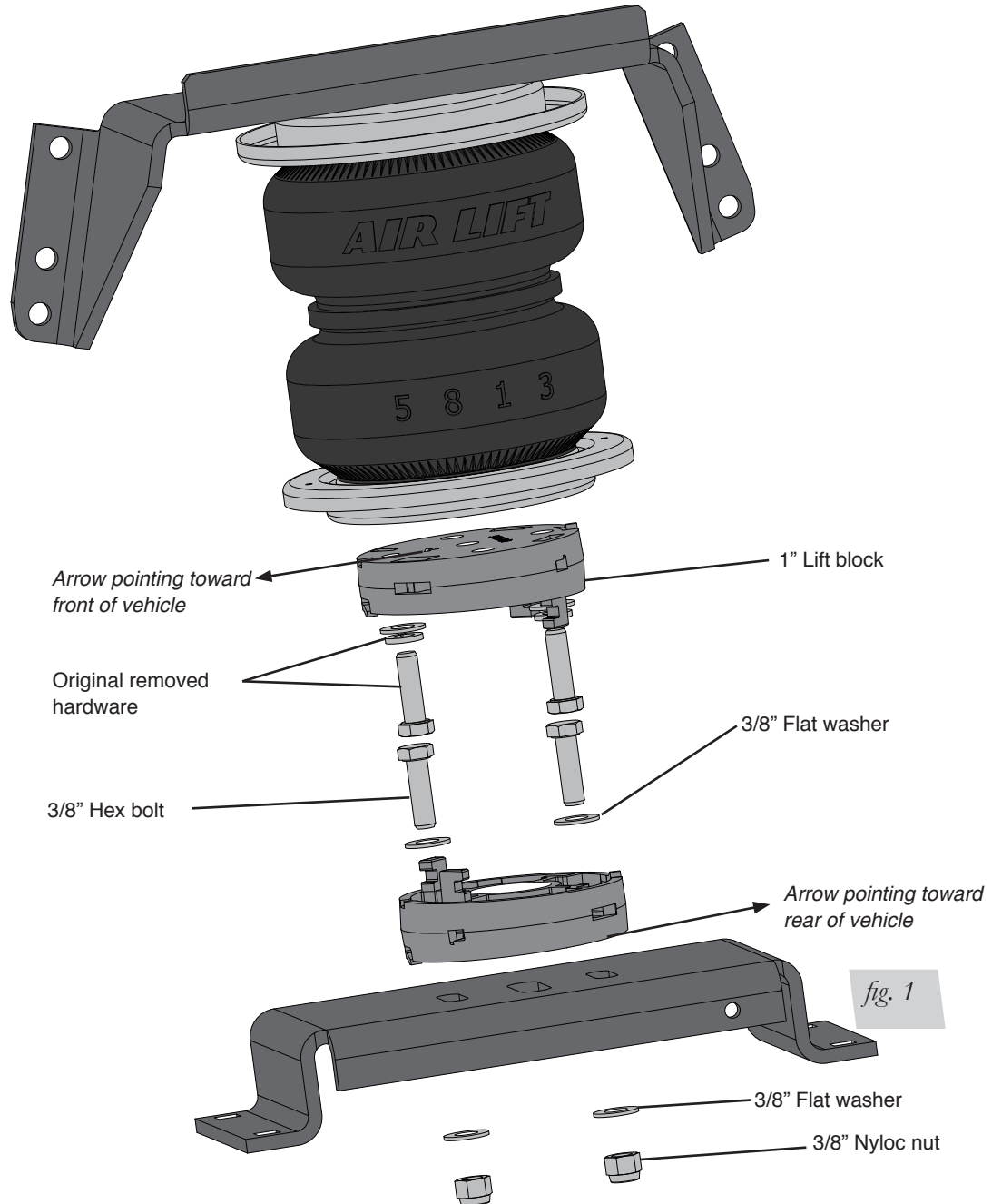
CAUTION

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 for 2" Lift System



HARDWARE LIST

Item	Part #	Description.....Qty
A	52006	1" Lift block.....4
B	17188	3/8" Hex bolt.....4
C	18444	3/8" Flat washer8
D	18435	3/8" Nyloc nut.....4
E	17404	3/8" Flat head bolt.....4
F	17203	3/8" Hex bolt (fine thread)4
G	18427	3/8" Lock washer.....4

TOOLS LIST

Description.....	Qty
9/16" Socket	1
9/16" Wrench	1
3/8" Drive ratchet.....	1
7/64" or 3mm Allen wrench.....	2



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

Installing the Lock-N-Lift System

REFER TO YOUR AIR SPRING INSTALLATION MANUAL FOR INSTALLING THE AIR SPRING KIT. YOUR AIR SPRING KIT WILL VARY FROM THE KIT SHOWN.

NOTE

Do not assemble the lift blocks before indicated in the instructions.

PREPARING THE AIR SPRING FOR LIFT BLOCK INSTALLATION

1. Release any air from the air spring already installed.
2. Remove the fasteners that attach the air spring to the lower bracket.
3. Remove the lower bracket from the vehicle.

INSTALLING THE LIFT BLOCKS

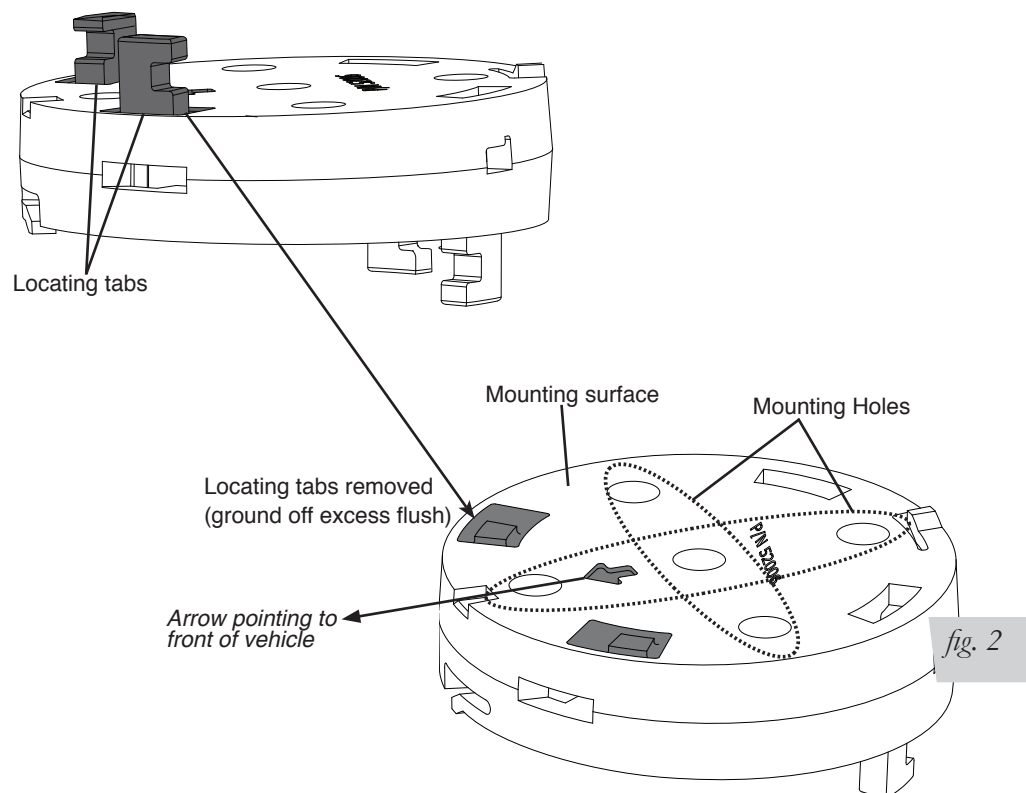
1. For a two block system, remove the locating tabs on the arrow side of each lift block. Remove the tabs with a hammer. The tabs must be removed flush or below the mounting surface (fig. 2).

NOTE

It may be necessary to use a grinder to remove material after breaking tabs off with a hammer.

NOTE

It is only necessary to remove the tabs on the arrow side of two blocks for each air spring assembly.



2. Fasten a lift block with the tabs removed to the bottom of the air spring (fig. 3). Use the mounting holes that allow the arrow to face toward the **front** of the vehicle (fig. 2).

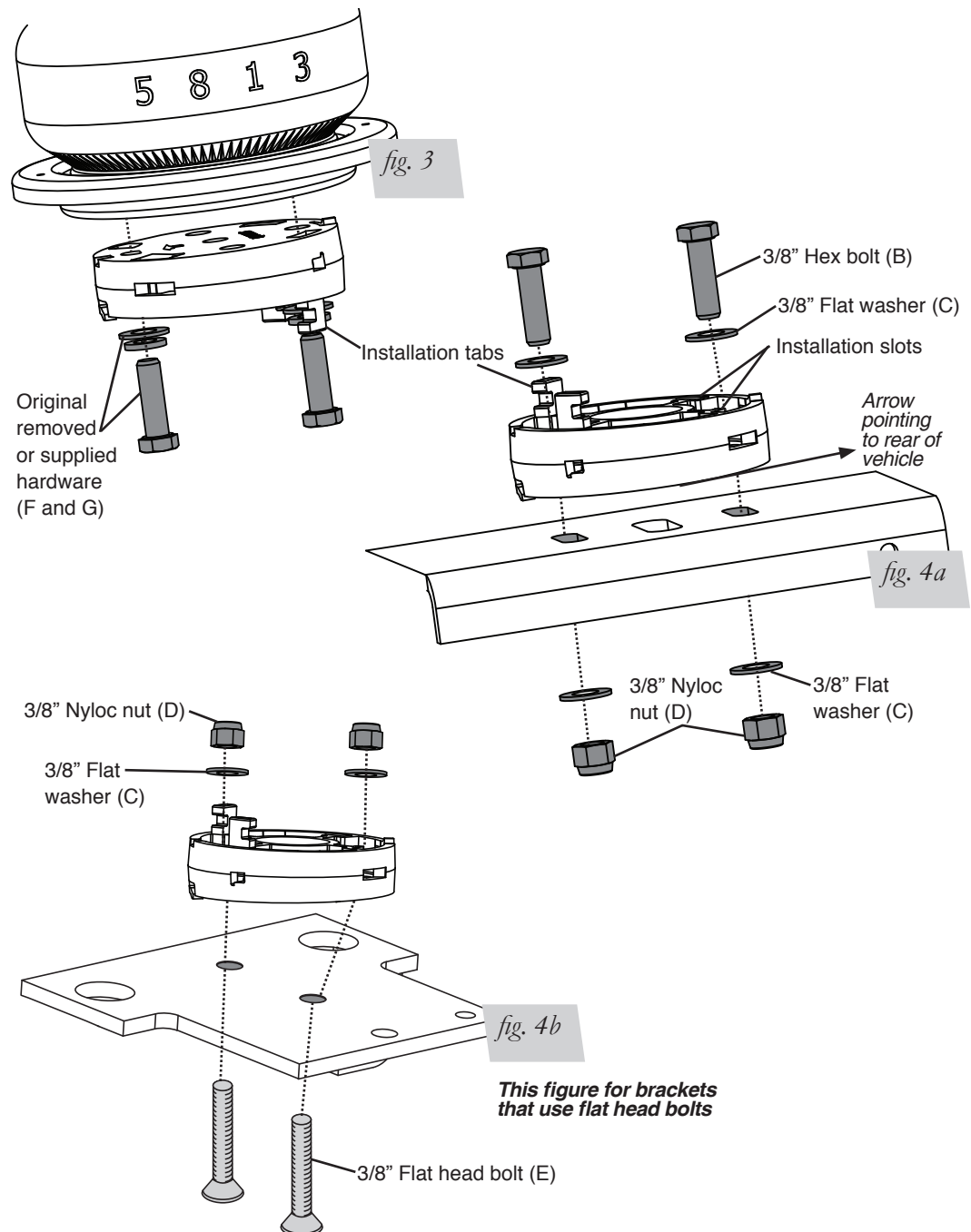
NOTE

For lower brackets that had or require flat head bolts, use the fine thread 3/8" hex head bolts (F) and 3/8" lock washer (G) supplied to attach the lift block to the bellows.

3. Install another lift block with the tabs removed to the lower bracket. Orientate the lift block on the lower bracket so that the installation tabs align with the installation slots when the lower bracket is located in its original mounting location (fig. 4a). Fasten the lift block to the lower bracket using the 3/8" hardware included (the arrow on the top surface of the lower spacer will face toward the **rear** of the vehicle).

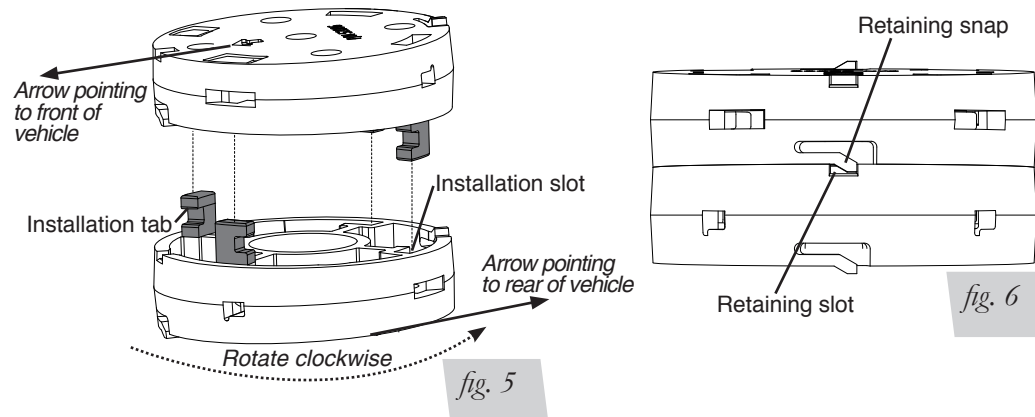
NOTE

For lower brackets that had or require flat head bolts, use the 3/8" flat head bolts (E) provided (fig. 4b) to attach the lift block to the lower bracket.



4. Before attaching the lower bracket lift block assembly to the vehicle, insert the installation tabs into the installation slots and rotate the lower lift block assembly clockwise (fig. 5).
5. When the blocks are fully seated, the retaining snaps will lock into the retaining slots (fig. 6). CHECK BOTH SIDES OF THE LIFT BLOCK TO BE SURE THE RETAINING SNAPS ARE LOCKED IN PLACE.

CAUTION



6. Attach the lower bracket to the suspension in its original location. See the air spring kit installation manual if required.
7. Repeat steps 2 through 6 on the other side of the vehicle.

CAUTION

LIFT BLOCKS CAN NOT SERVE AS THE SUSPENSION LIMITER. A LIMITING STRAP MUST BE USED.

IF DISASSEMBLY IS REQUIRED

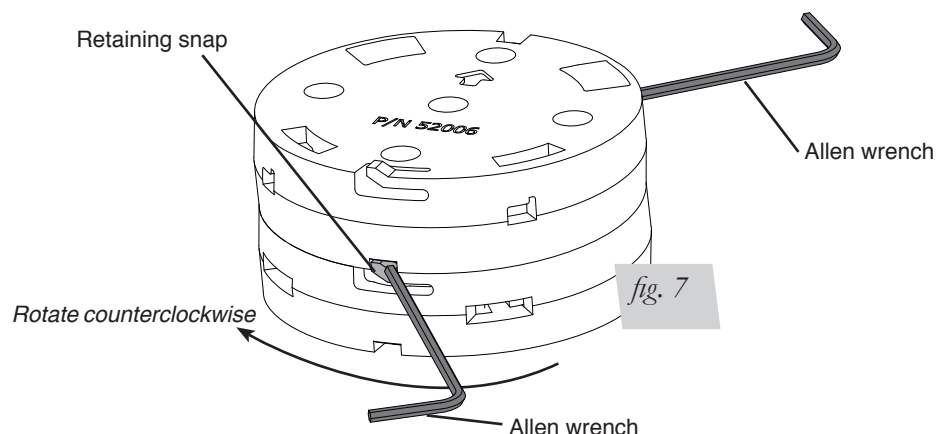
CAUTION

REPEATED DISASSEMBLY IS NOT RECOMMENDED.

NOTE

Use either 7/64" or 3mm Allen wrenches or a combination of both to disassemble the lift blocks.

1. Insert an Allen wrench into both retaining slots by pushing the wrench up the ramp of the retaining snap (fig. 7). This will separate the snaps from the mating block and the wrenches will be held in place by the snap.
2. Now take hold of each block and rotate the lower lift block assembly counterclockwise.

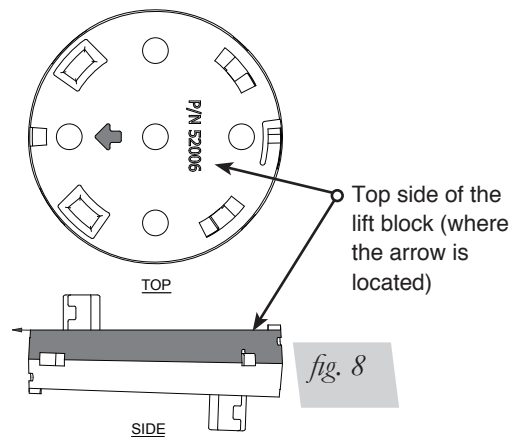


ADDING ADDITIONAL LIFT BLOCKS

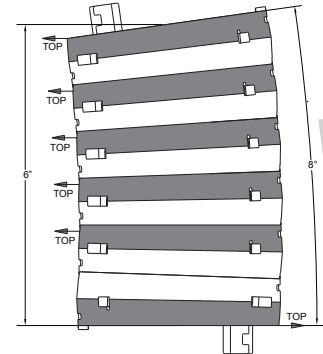
1. A variety of angles and heights can be achieved by adding additional blocks in differing orientations. In figure 8, the top surface of a lift block is identified. Shown below are diagrams of a 4" and 6" system with parallel surfaces and surfaces at a 4 degree angle. An 8 degree assembly with a six inch lift is also possible, but **not recommended** (fig. 9). Figure 10 shows the preferred installation method with a 4" and 6" straight assembly. Figure 11 shows the 4 degree assembly for a 4" and 6" lift block system.

NOTE

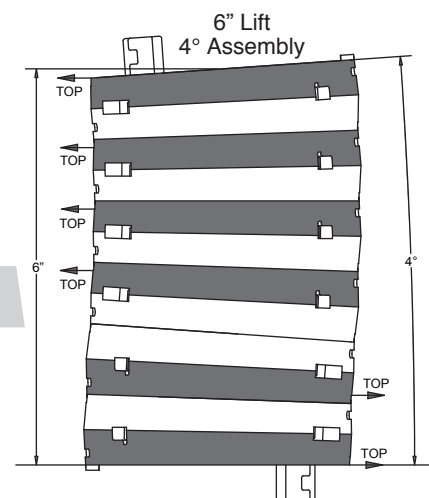
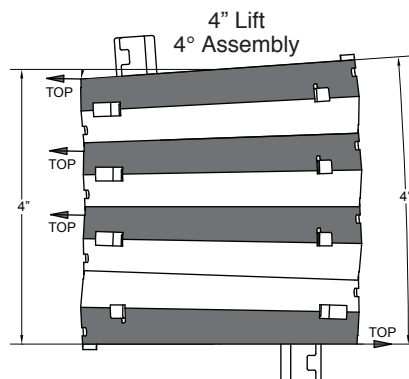
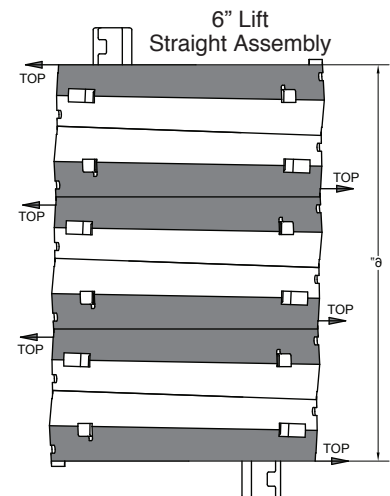
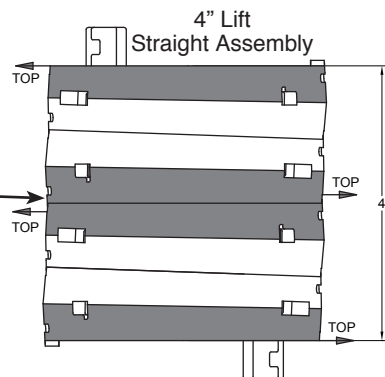
It may take significant force to lock the two lift blocks together in the top-to-top position. It may be necessary to use a table top or other hard surface to aid in pushing the lift blocks together.



6" Lift
8° Assembly - Not Recommended



It may take significant force to lock the two lift blocks together in the top-to-top position.



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 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.)

Air Lift 1000	Lifetime Limited	Load Controller (I)	2 Year Limited
RideControl	Lifetime Limited	Load Controller (II)	2 Year Limited
SlamAir	Lifetime Limited	SmartAir	2 Year Limited
LoadLifter 5000*	Lifetime Limited	Wireless AIR.....	2 Year Limited
EasyStreet Systems	1 Year Limited	Other Accessories.....	2 Year Limited

**formerly SuperDuty*

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, 8 a.m. to 5 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 or on the web at www.airliftcompany.com.

Need Help?

Contact our customer service department by calling (800) 248-0892, Monday through Friday, 8 a.m. to 5 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/warrantyreg.htm**



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
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