

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.

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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.

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.

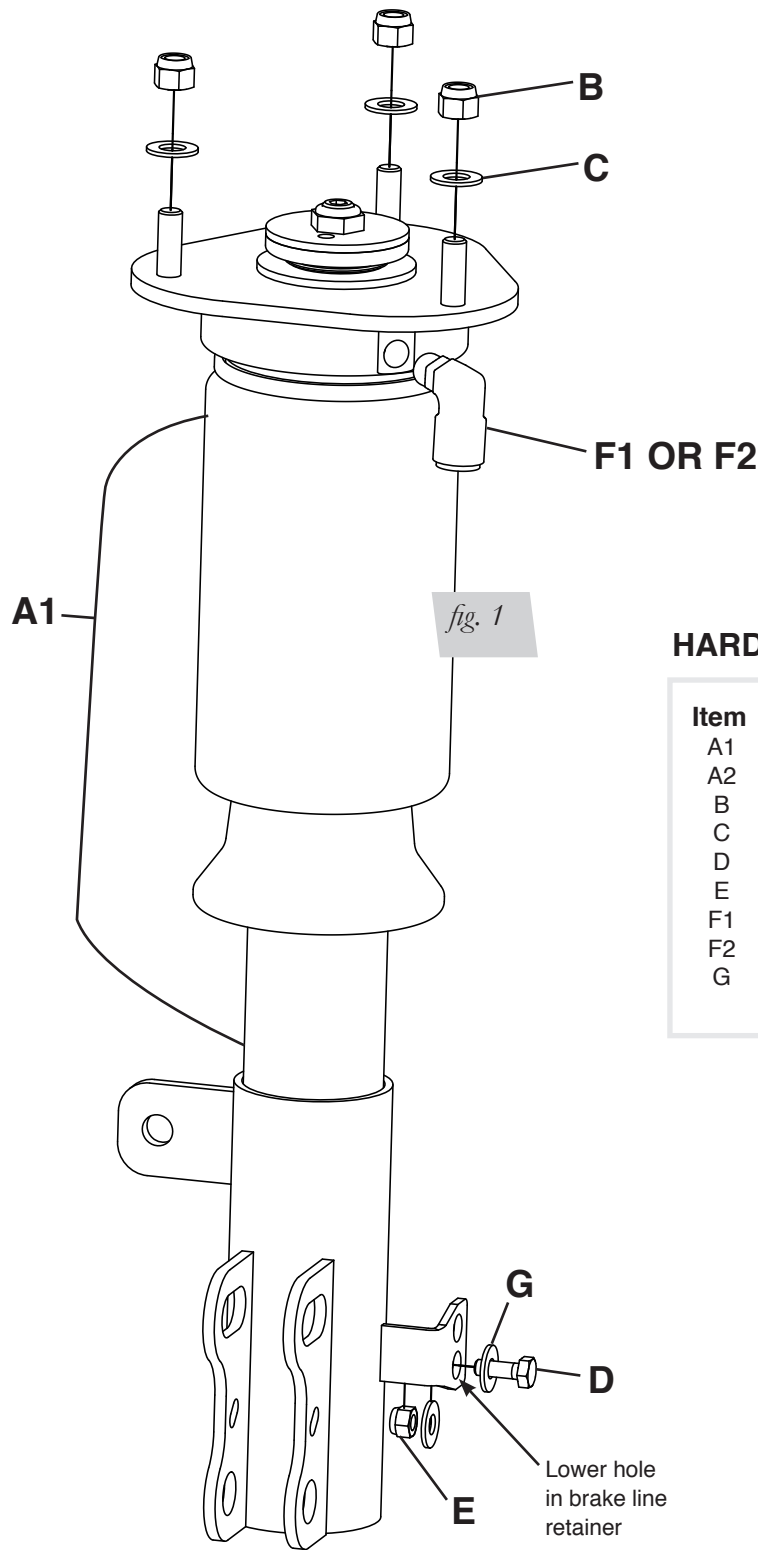
 **CAUTION**

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.

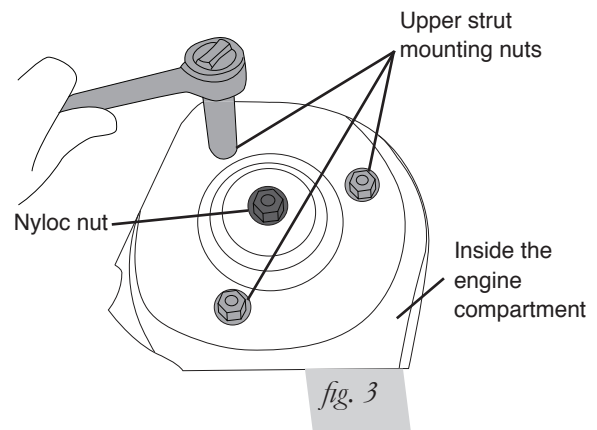
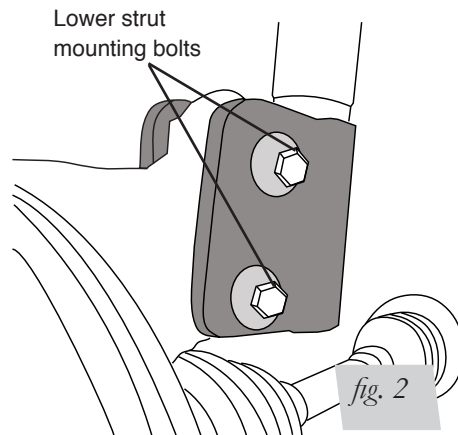
REMOVING THE STRUT

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).

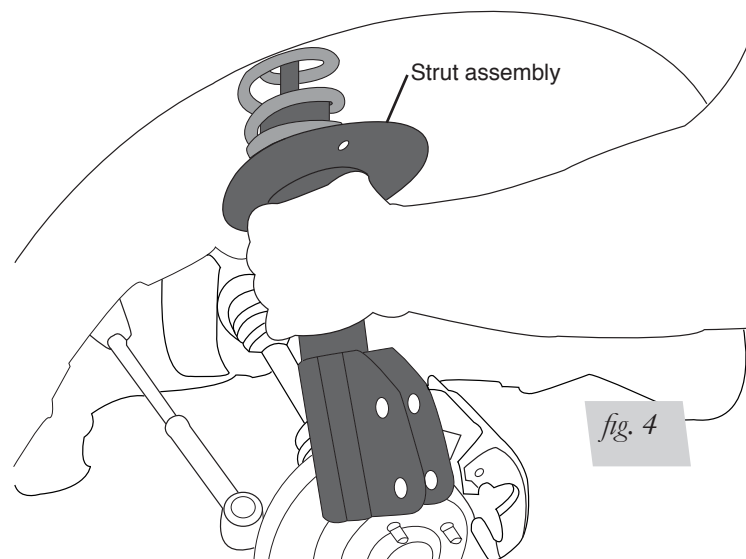
CAUTION

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).

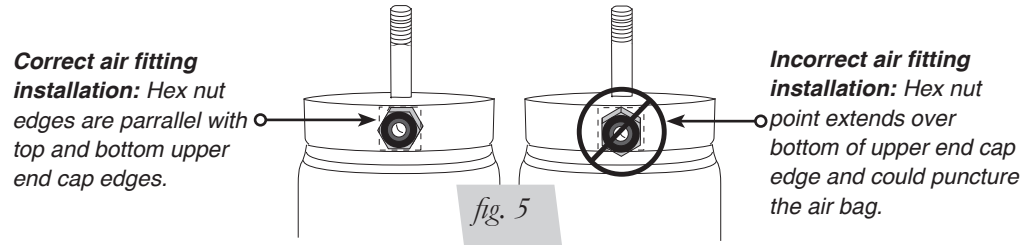


6. Remove the strut from the vehicle and discard (fig. 4).



INSTALLING THE NEW STRUT ASSEMBLY

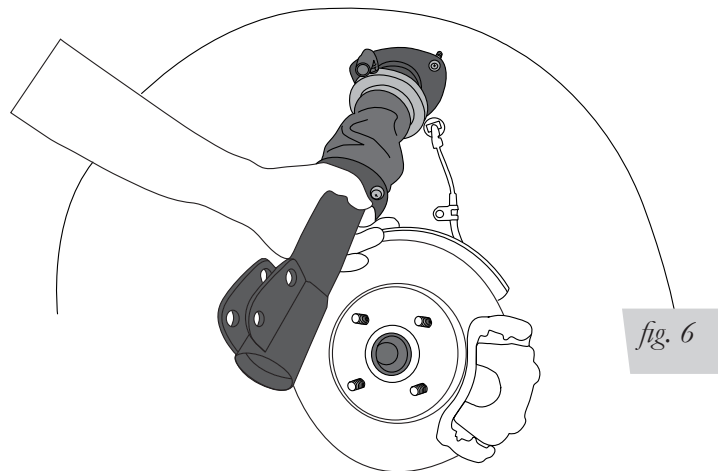
1. Prior to installing the strut, attach the air fitting provided to the threaded port at the top of the air spring (fig. 5). Seal with teflon tape.



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.

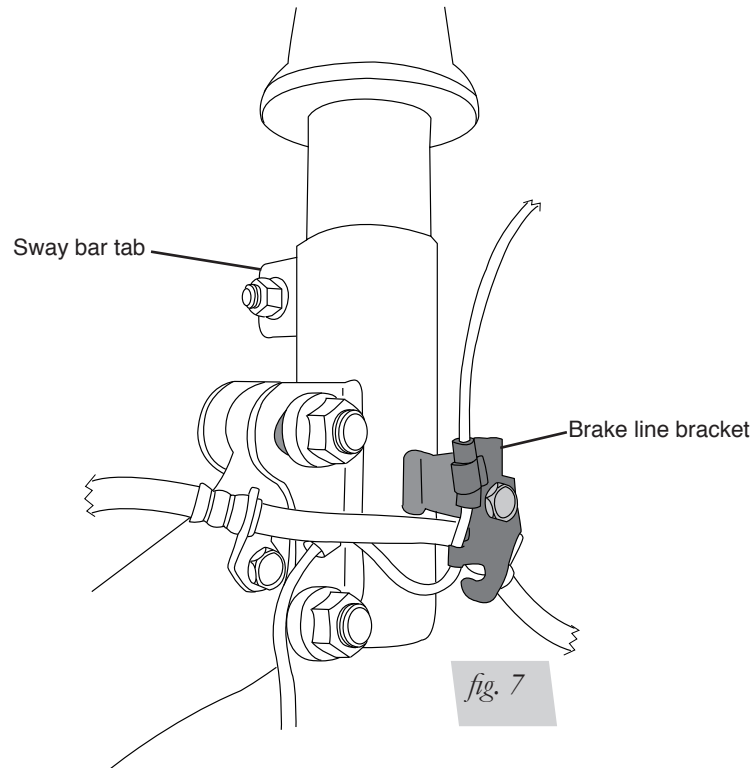
NOTE

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

6. 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).



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

ALIGNING THE VEHICLE

1. Using the control system, set the vehicle to the new custom ride height.
2. 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.

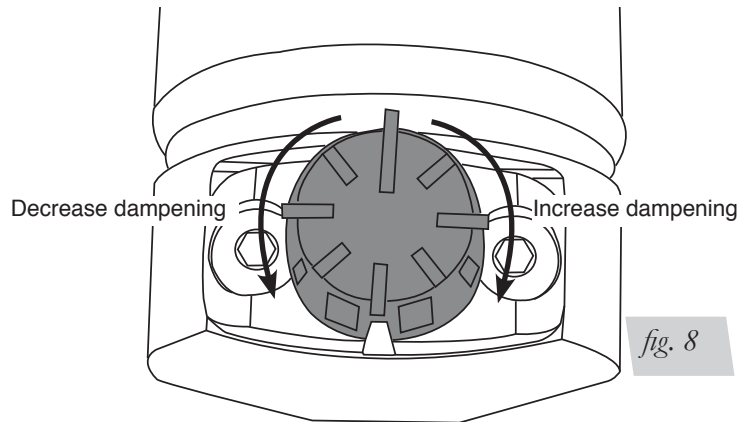
CAUTION

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

3. 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.
4. 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 #27669 or #27671, AutoPilot V2 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 8 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?

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



Thank you for purchasing Air Lift Performance products!

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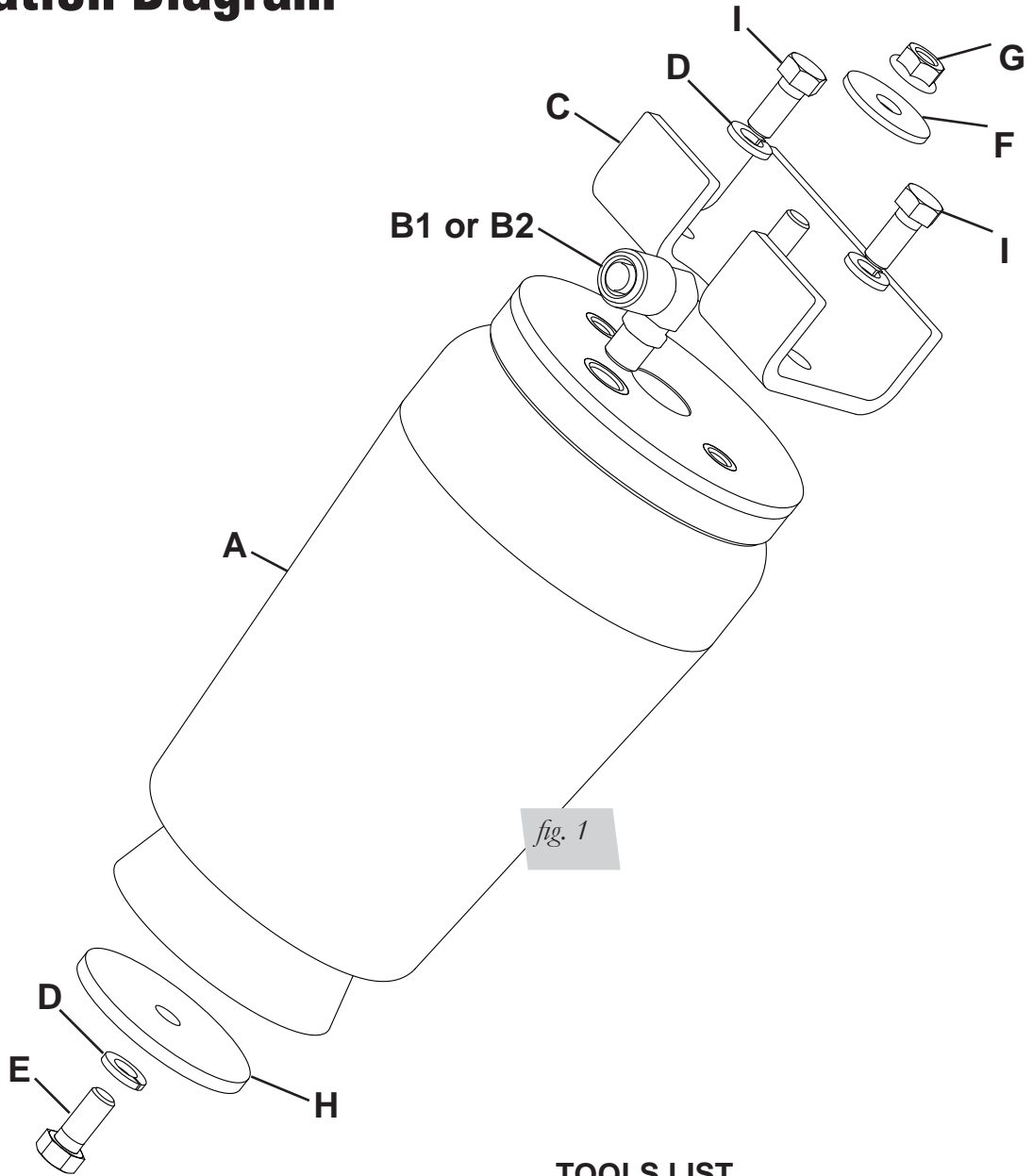
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NOTE

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Installation Diagram



HARDWARE LIST

Item	Part #	Description	Qty
A	58130	Tapered sleeve	2
B1	21846	Fitting - 3/8NPT X 1/4PTC, Elbow	2
B2	21867	Fitting - 3/8NPT X 3/8PTC, Elbow	2
C	07245	Upper bracket	2
D	18427	3/8" Lock washer.....	6
E	17187	3/8"-16 x 7/8" Bolt	2
F	18447	3/8" Flat washer	2
G	18422	3/8" Flange nut.....	2
H	10956	2.75" Flat Washer	2
I	17203	3/8"-24 x 7/8" Bolt	4

TOOLS LIST

Description.....	Qty
Jack	1
Jack stands or hoist.....	2
3/4" Socket.....	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 Lift Performance Kit

GETTING STARTED

1. Raise the vehicle and support the frame with jack stands.

NOTE

It will be necessary to raise the vehicle high enough to remove the coil springs.

2. Remove the rear wheels.
3. Disconnect the lower shock mount and lower the suspension down low enough to remove the two coil springs.

CAUTION

DO NOT STRETCH THE BRAKE LINES DURING THIS PROCESS. IF NEEDED, DISCONNECT THE BRACKETS HOLDING THE BRAKE LINES.

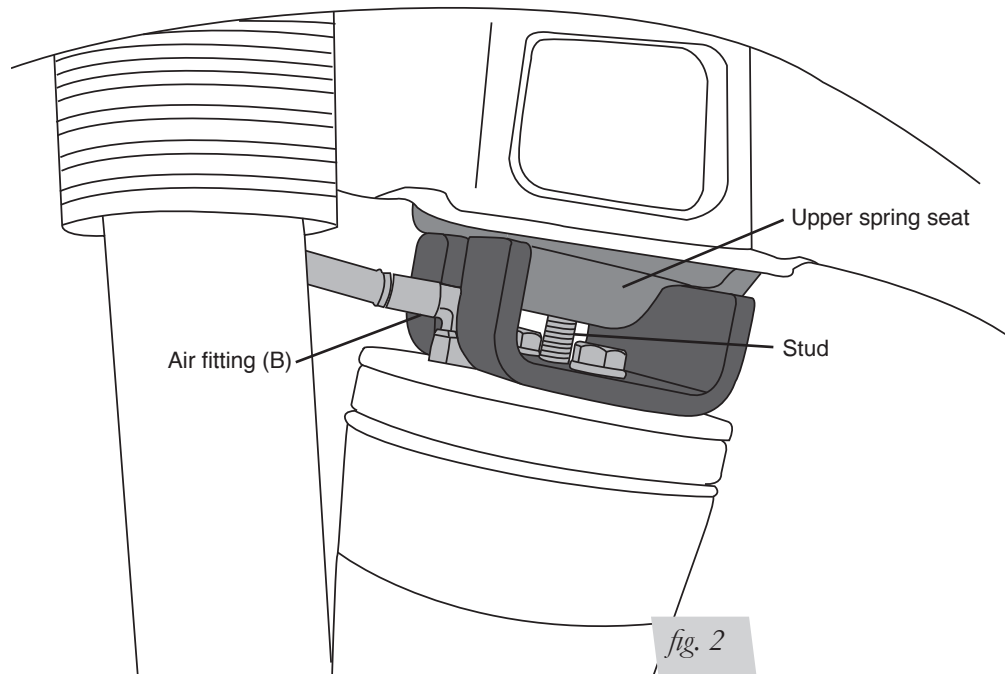
4. Remove the coil springs. Leave the suspension down for installing the air springs.

ASSEMBLING THE AIR SPRINGS

1. Install a 90° swivel air fitting (B1 or B2); tighten finger tight plus 1½ turns. Do not overtighten.
2. Attach the upper bracket (C) to the air spring using two 3/8" bolts (E) and lock washers (D) and tighten securely.

INSTALLING THE AIR SPRINGS

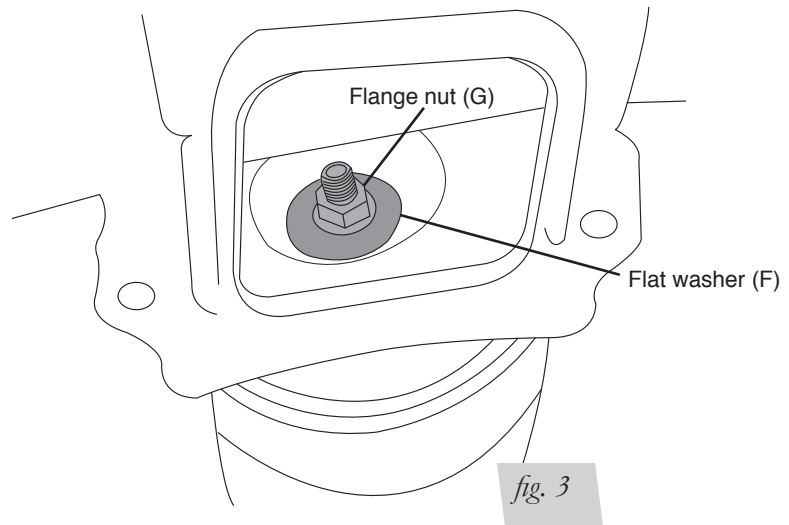
1. With the suspension still hanging from the coil spring removal, set the air springs in place onto the upper spring seat by inserting the stud on the top bracket into the hole on the upper spring seat with the air fitting pointing to the rear of the vehicle (fig. 2).



- From the window on the side of the frame, cap the stud with a large flat washer (F) and a 3/8" flange nut (G) (fig. 3). Tighten securely.

NOTE

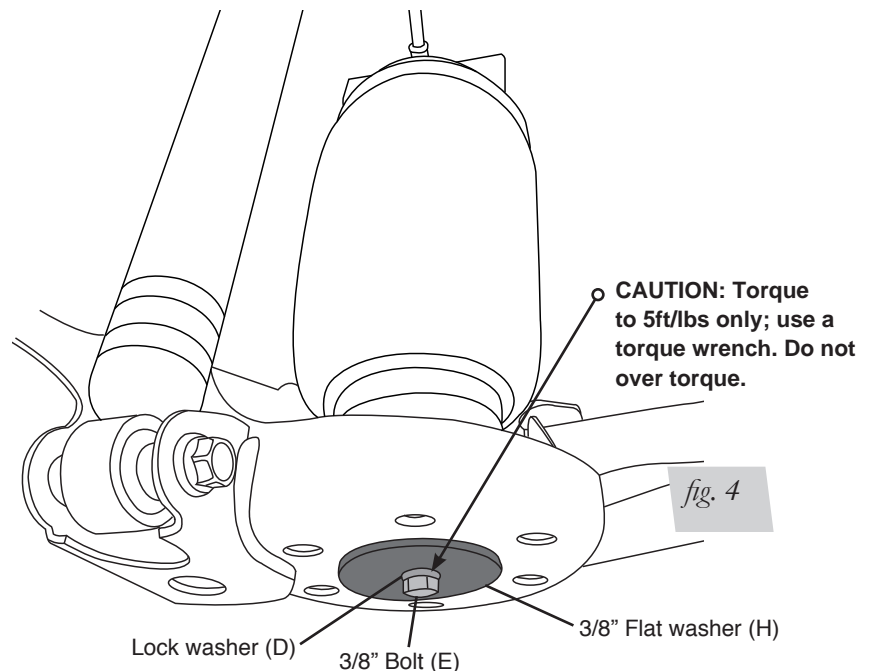
When tightening the nut, move around the bracket/spring assembly to center the flat washer in the pocket.



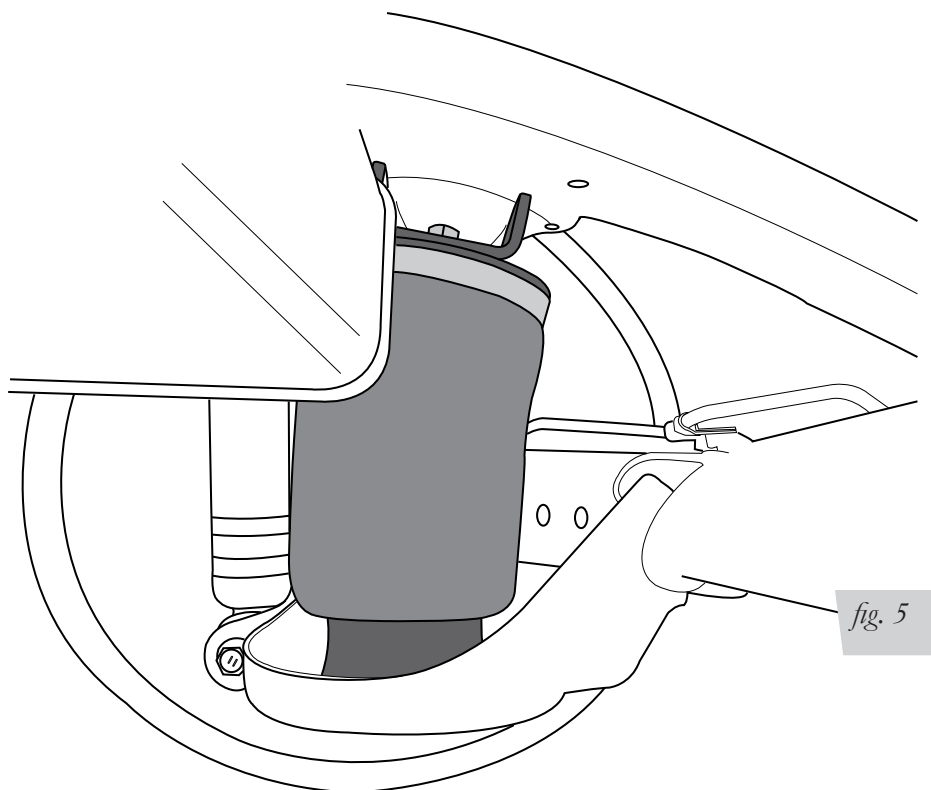
- Repeat for the other side.
- Raise the axle/cross member up far enough to come in contact with the piston on the lower air spring (fig. 4). Make sure the lower piston on the air spring indexes properly into the lower spring pocket hole.
- Cap with the 3/8" large flat washer (H), lock washer (D) and bolt (E) (fig. 4).

CAUTION

TORQUE TO 5 FT/LBS ONLY; USE A TORQUE WRENCH. IF TORQUED MORE THAN 5 FT/LBS, THE INSERT WILL PULL OUT OF THE LOWER PISTON WHICH MAY CAUSE THE PISTON TO COME OUT FROM ITS MOUNTING LOCATION CAUSING EVENTUAL FAILURE.

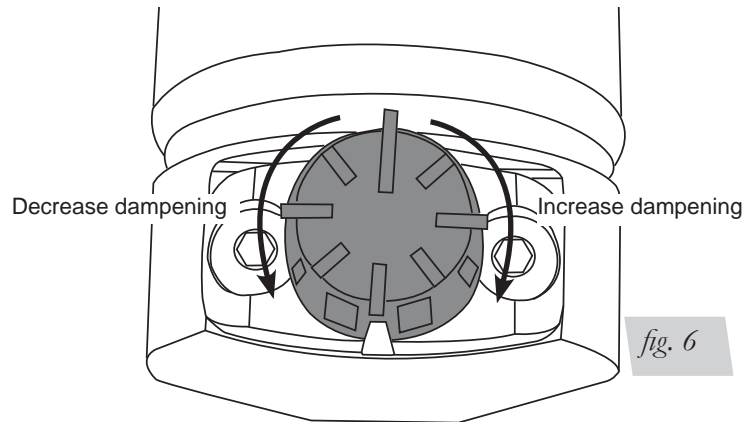


6. Raise the suspension back up and attach the shocks. Reinstall the tires.
7. Finished installation is shown below (fig. 5).



Before Operating

1. The struts for this vehicle come with a nine-position dampening dial for added adjustability (fig. 6). 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, LifeSTYLE recommends setting the strut dial to position 3.
3. Inflate and deflate the system (do not exceed 100 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 #27669 or #27671, AutoPilot V2 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	100 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.

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- 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

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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 8p.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 8 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**



Thank you for purchasing Air Lift Performance products!

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the USA

Air Lift **PERFORMANCE**

Kits 27665 and 27666



INSTALLATION GUIDE



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Introduction

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.

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

(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.

vehicle is designed to carry. Payload is GVWR minus the Base Curb Weight.

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**

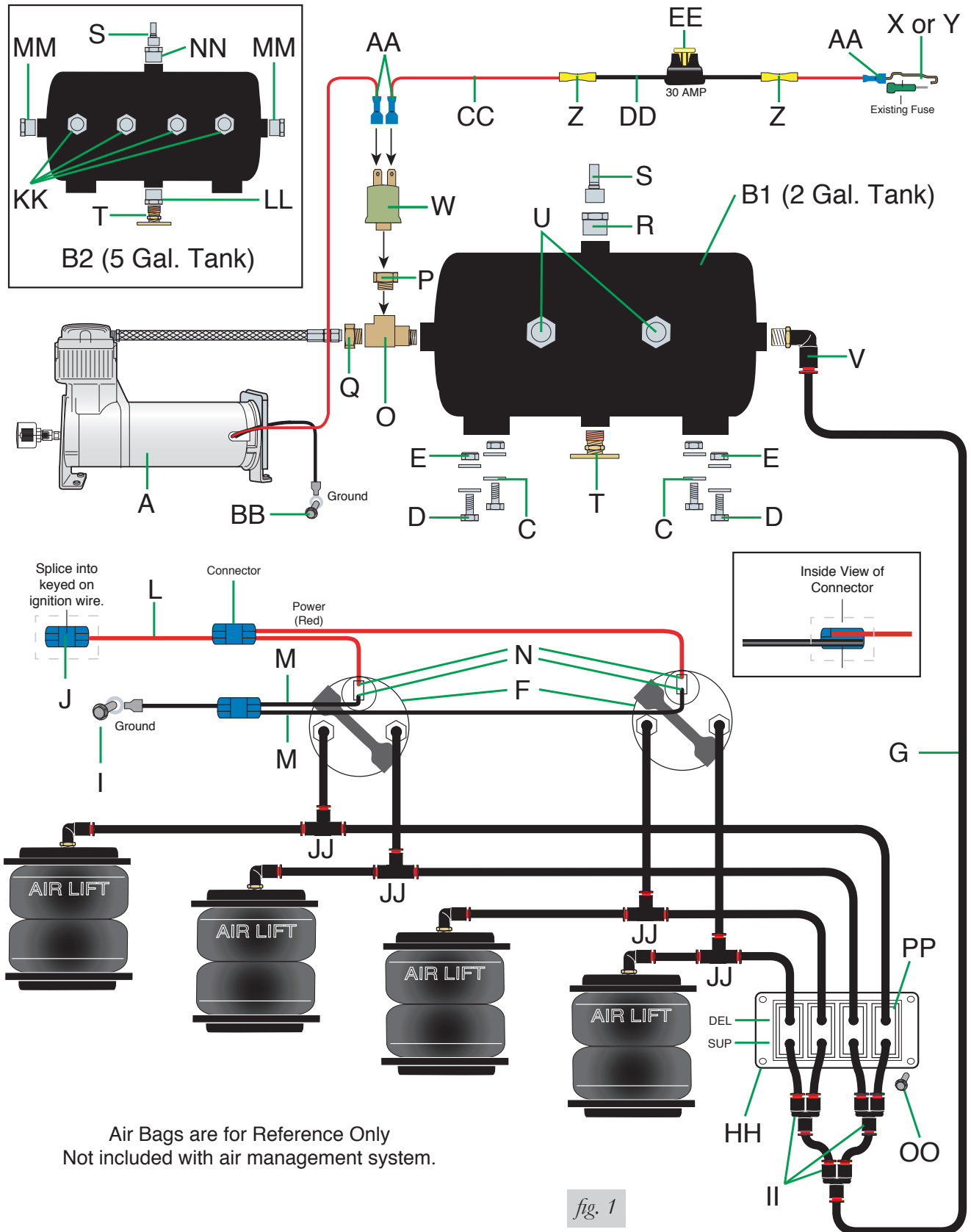
INDICATES HAZARDS OR UNSAFE PRACTICES WHICH COULD RESULT IN SEVERE PERSONAL INJURY OR DEATH.

 **CAUTION**

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

NOTE

Installation Diagram



Hardware List

A	16380	Viair Compressor	1	U	21731	Plug	
B1	10980	2 Gallon Air Tank	1	V	21846	3/8" x 1/4" PTC Elbow	1
B2	10991	5 Gallon Tank	1	W	24575	145-175 PSI Pressure Switch	1
C	18444	3/8" Flat Washer	8				1
D	17188	3/8"-16 x 1.25 Bolt		Y	24561	Mini Fuse Adapter	1
E	18435	3/8" Nyloc Nut		Z	24649	12 Gauge Butt Connector	
F	26228	Dual Needle Gauge		AA	24595	12 Gauge Female Terminal	
G	20946	1/4" Air Line	80 ft.	BB	17263	1/4" x 1" Self-Tapping Screw	1
H	17132	1/2" Self-Tapping Screw	3	CC	24647	12 Gauge Red Wire	20 ft.
I	24568	18 Gauge Ring Terminal	1	DD	24539	Fuse Holder	1
J	24537	Quick Splice	3	EE	24547	30 AMP Fuse Spade	1
K	24532	Butt Connector		FF	23586	Thread Sealant	1
L	24643	16 Gauge Red Wire	8 ft.	GG	10530	Air Line Cutter	1
M	24644	16 Gauge Black Wire	8 ft.	HH	11031	Panel	1
N	24594	16 Gauge Female Terminal		II	21842	"Y" Fitting	3
O	21507	3/8" Street Tee	1	JJ	21838	Tee	
P	21735	1/8" FNPT x 3/8" MNPT Bushing	1	KK	21190	1/2" Plug	
Q	21738	1/4" FNPT x 1/8" FNPT Bushing	1	LL	21247	1/4" x 1/2" Bushing	1
R	21610	1/4" MNPT x 1/8" FNPT Bushing	1	MM	21732	3/8" 1/2" Bushing	
S	21366	Inflation Valve 1/8" MNPT	1	NN	21251	1/8" x 1/2" Bushing	1
T	21754	1/4" MNPT Drain Cock	1	OO	17434	#8 X 3/4" Stainless Steel Screws	
				PP	21703	Paddle Switch	



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

Installing the Air Management System

The following instructions correspond to Figure 1 on the previous page of this instruction

NOTE

All fittings must be pre-coated with thread sealant.

1. Install a 1/8" bushing (P) to the top port of the street tee (O) and a 1/4" bushing (Q) to
2. Attach the pressure switch (W) to the 1/8" bushing previously installed onto the street
3. Attach the street tee assembly to the end port of the air tank (B).
4. Install a drain cock (T) to the port that is at the base of the tank.

NOTE

If the tank is mounted with the feet up, the drain cock must be installed on the other side of the tank. The drain must always be installed in the port that is facing downward.

5. Install a 1/4" x 1/8" bushing (R) to the port that is facing upwards on the air tank. Attach an inflation valve (S) to the bushing.
6. Install an air fitting (V) to the remaining end port of the air tank.
7. Install plugs (U) to the two ports on the front of the air tank.
8. Find a suitable mounting location for the air tank and mount using the provided bolts (D), flat washers (C), and nyloc nuts (E).

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

snorkeled inside the vehicle. If the compressor does not include a remote mount air filter or filter so that all moisture can easily drain.

- -
 - 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. (please refer to the instruction manual).
1. Find a suitable mounting location for the compressor and mount using the hardware
 2. Attach the leader hose from the compressor (A) to the 1/4" x 1/8" bushing previously
-
1. Attach the red power wire from the compressor to the pressure switch using the attached self-tapping screw (BB).
 3. Cut a length of red wire (L) long enough to go from the gauges to a keyed on ignition wire. Attach a female terminal (N) to one end of the wire. Attach this end to the gauge panel. Quick splice the two gauge bulbs together.

provided quick splice (J).

remaining self-tapping screw (H).
 6. Cut a length of red wire (CC) to go between the pressure switch on the air tank to a fuse holder (DD). Attach the two together using a butt connector (Z).
 7. Install a 30 AMP fuse into the fuse holder.
 8. Cut another length of red wire (CC) long enough to go between the fuse holder and the fuse box. Attach a female terminal (AA) to one end of the wire and attach the remaining end to the fuse holder using a butt connector (Z). Choose a key-on circuit.
-

9. Attach the female terminal to either the fuse tap (X) or mini fuse adapter (Y). Attach this

CAUTION

WHEN CUTTING OR TRIMMING THE AIR LINE, USE A HOSE CUTTER (GG), 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 (SEE FIG. 2).

1. Run a length of air line (G) from the air fitting on the compressor to the end of the switch
2. Run a length of air line from the remaining air fittings on the switch to its respective air
3. Repeat step 2 for the remaining air fitting and air spring.
4. Use a tee and connect into each one of the air spring lines to connect to it's respective

1. Snap all 4 switches into the panel so that from the back they are all oriented the same way (You may select a different location for switches. They do not need to be used with supplied panel).
2. Cut 6 pieces of hose the same length (approximately 3"6).
3. Push 4 of these hoses onto the "SUP" port. Attach the "Y" Fittings as shown in fig. 1.

Troubleshooting Guide

1. Leak test the air line connections, the threaded connection into the air spring, and all fittings
2. Inspect the air lines to be sure none are pinched. Tie straps may be too tight. Loosen or
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.

Tuning the Air Pressure

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

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

to sacrifice a perfectly level and comfortable ride. Stability issues include roll control,

Checking for leaks

1. Inflate the air spring to suggested driving pressure as listed in the “Product Use, Maintenance and Servicing” section of your air springs installation manual.
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

Fixing Leaks

1. If there is a problem with a 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. 2). Reinsert the air line into the push-to-connect fitting.
 - b. Check the threaded connection by tightening the swivel fitting another ½ 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

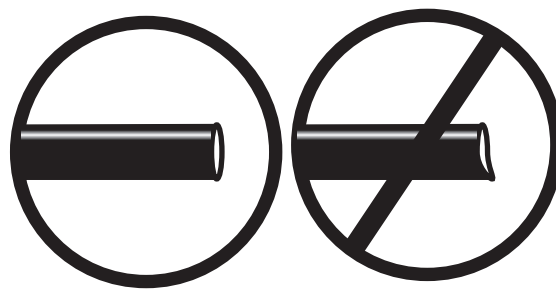


fig. 2

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



Warranty and Returns Policy

Air Lift Company warrants its products, for the time periods listed below, to the original

Air Lift manufactures the product. The warranty does not apply to products that have been

(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.

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

including any implied warranties of merchantability and fitness, which extend beyond this hereof. Seller disclaims the implied warranty of merchantability. (Dated proof of purchase required.)

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.
-
- 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

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.

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