



Air Lift Performance 3S™ Kit 27721 Compressor Harness



AIR LIFT
PERFORMANCE®

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.

Introduction

The purpose of this publication is to assist with the installation, maintenance and troubleshooting of the Air Lift Performance 3S compressor kit.

Read and understand the entire installation guide before beginning installation or performing any maintenance, service or repair. The information includes step-by-step installation information, installation templates 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 Performance at (800) 248-0892 or visit airliftperformance.com.

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.

Hardware List

ITEM PART#	DESCRIPTION	QTY
A 26498-018	COMPRESSOR HARNESS	1
B 24500	ATC FUSE HOLDER	1
C 24547	FUSE ATC 30A	1
D 24752	HEAT SHRINKABLE BUTT SPLICE 10-12GA	3
E 17263	SCREW 1/4"-14 X 1" SELF TAPPING	2
F 24568	#10 RING TERMINAL 18GA	1
G 24748	RING TERMINAL 3/8" 10-12GA	2
H 24521	INS. FEMALE .250" TERM 22-18GA	3
I 24531	18GA BLACK WIRE	10
J 10466	ZIP TIE, 8" BLACK	20
K 24661	HEAT SHRINKABLE BUTT SPLICE 14-16GA	1

Install Harness

**CAUTION**

DISCONNECT THE BATTERY GROUND WHILE INSTALLING THE COMPRESSOR HARNESS.

COMPRESSOR CONNECTIONS

1. Mount the compressor relay using supplied self-tapping screw.
2. Cut off the spade and eyelet from the compressor power (red) and ground (black) wires.
3. Attach the compressor (red) wire to the harness compressor power (red/white) wire using the supplied heat-shrinkable butt splice.
4. Attach the compressor (black) wire to the harness compressor ground (black) wire using the supplied heat-shrinkable butt splice.

NOTE

Use an appropriate terminal crimp tool to ensure a good connection.

5. Carefully apply heat (preferably with a heat gun) to the ends of the butt connector to seal these connections.

PRESSURE SWITCH INTEGRATION

1. Install the pressure switch into one of the open uppermost ports on the tank.
2. Cut the supplied black wire in half. Attach a female spade terminal to both ends of one of the two pieces of wire.
3. Locate the grey wire labeled “compressor signal” on the compressor harness and connect one end of the black wire to it.
4. Attach the other end of the black wire to the pressure switch.
5. Using the other half of the provided black wire, attach the other female spade terminal to one end and attach a #10 ring terminal to the other end.

NOTE

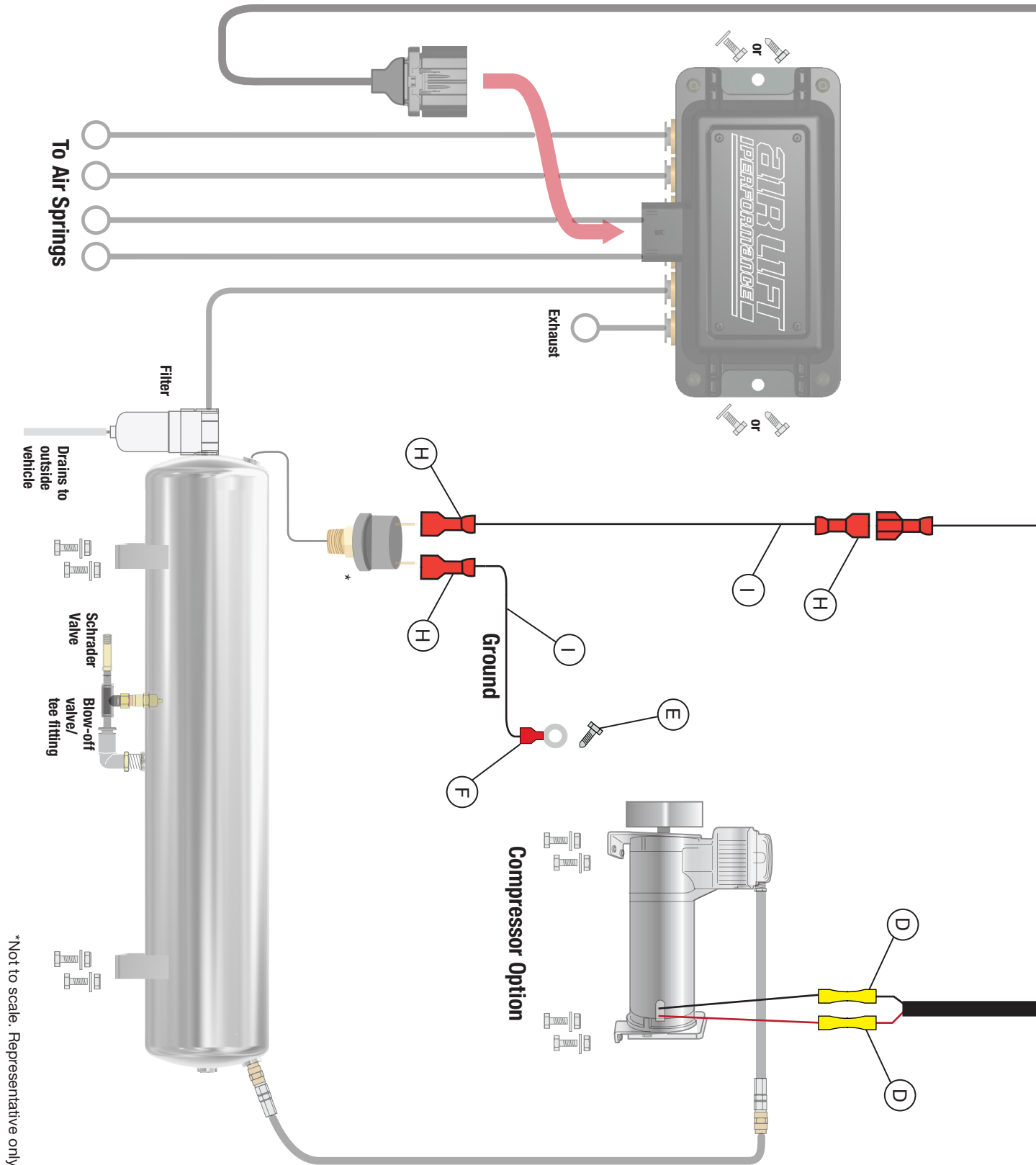
The ground must have strong connection to the frame. It may be necessary to grind some paint/rust off the frame to make sufficient contact.

6. Connect the spade end to the other side of the pressure switch. Connect the ring terminal end to the frame using the supplied small self-tapping screw.

BATTERY CONNECTIONS

1. Route battery power (red) and ground (black) wires of the second compressor harness free from abrasive edges and heat source to the battery.
2. Attach the battery power (red) wire to the red wire on one end of the fuse holder using the supplied heat-shrinkable butt splice.
3. Carefully apply heat (preferably with a heat gun) to the ends of the butt connector to seal this connection.
4. Attach a ring terminal to the other end of the fuse holder and fasten to the positive battery (+) terminal or stud.
5. Attach a ring terminal to the ground (black) wire and fasten to the negative battery (-) terminal or stud.
6. Attach the ignition wire (pink) to the system already installed ignition wire using supplied heat-shrinkable butt splice.
7. Carefully apply heat (preferably with a heat gun) to the ends of the butt connector to seal this connection.
8. Install the supplied 30A fuse into the fuse holder and close lid.

Installation Diagram



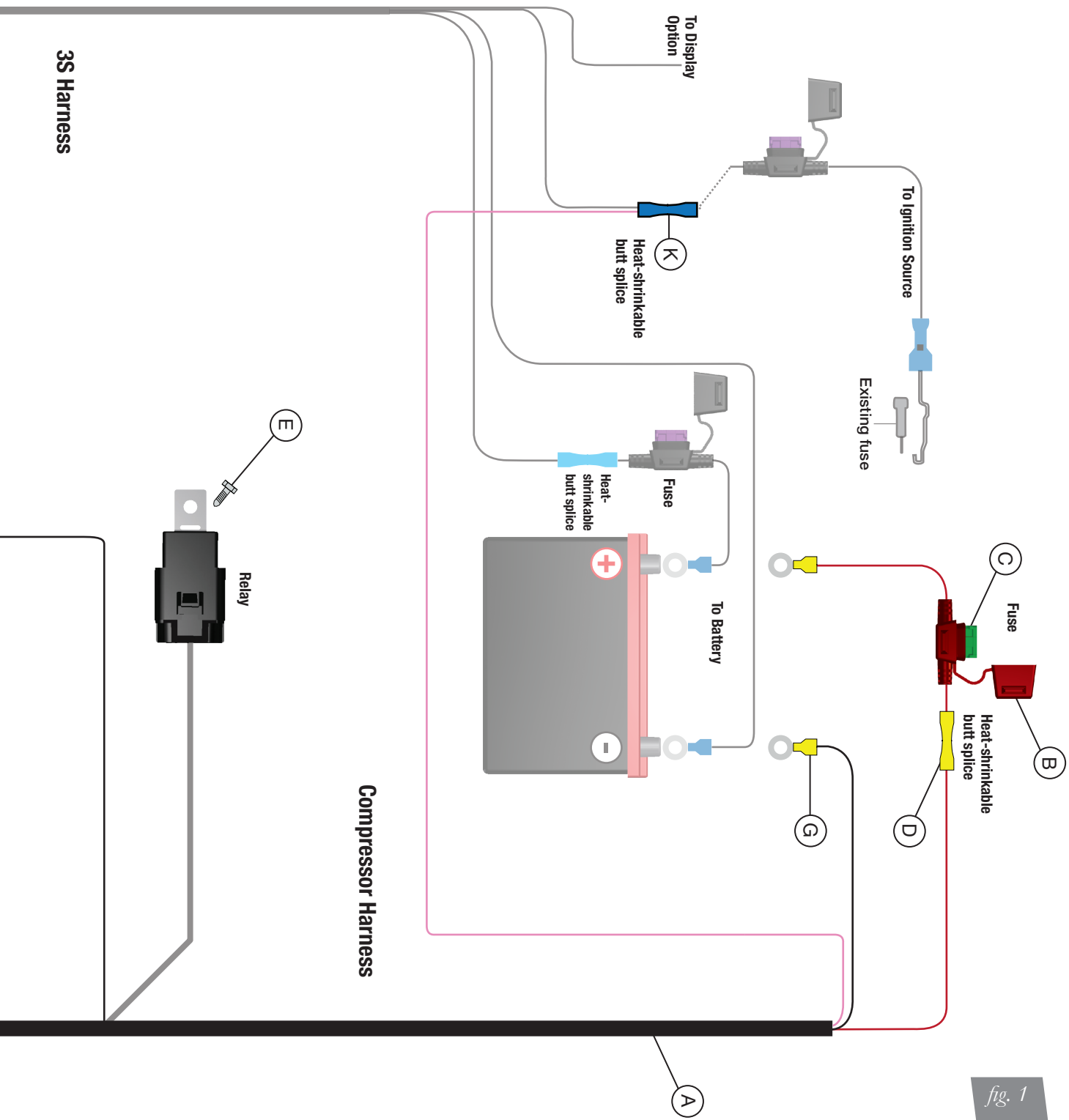


fig. 1

Limited Warranty and Return Policy

Air Lift Company provides a Limited Lifetime Warranty to the original purchaser of its Air Lift Performance 3S Control/Air Management Systems, that the products will be free from defects in workmanship and materials when used on vehicles as specified by Air Lift Company and under normal operating conditions, subject to the requirements and exclusions set forth in the full Limited Warranty and Return Policy that is available online at **www.airliftperformance.com/warranty**.

For additional warranty information contact Air Lift Company customer service.

Need Help?

Contact our customer service department by calling (800) 248-0892, Monday through Friday. If outside the USA or Canada, call (517) 322-2144.



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