



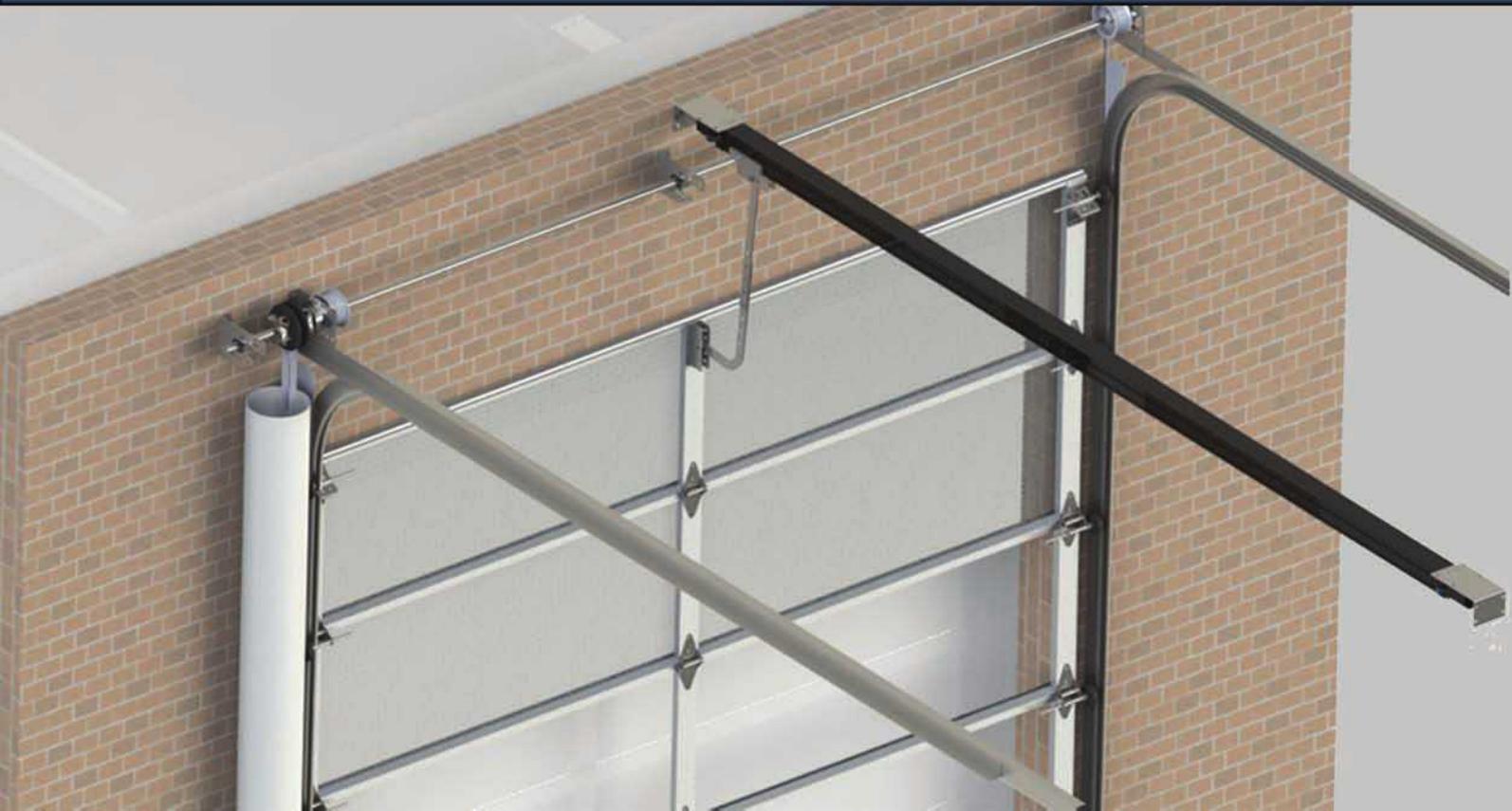
AIRLIFT DOORS, INC.

Owner's Manual

Air Operator **POWERGLIDE**

www.AirliftDoors.com

1-888-368-4403





WARNING

The material provided in this owner's manual is meant for reference purposes only. Only persons trained and qualified to work on Airlift Doors, Inc. products should perform maintenance and service on any products supplied by Airlift Doors, Inc.

This owner's manual only provides partial information regarding our products. Further information such as installation guides, wiring diagrams, and other technical information should be referenced to ensure safe and proper installation and maintenance of Airlift Doors, Inc. products.

Always consult a trained professional installer or service provider to properly service your equipment. Garage doors and garage door openers are extremely dangerous and improper handling of these products may result in serious injury or death if handled improperly.

Always ensure that all power is disconnected to components before you perform any service to any Airlift control box or motor.

Always shut off and drain any air supply associated with an Airlift operator before performing service on the component.

Never work on a door that is counterbalanced without referencing the installation guide or consulting the factory for proper methods to work on counterbalanced doors.

Never stand underneath a garage door to test any function of the door, opener, or safety devices.

Thank you for purchasing a Powerglide from Airlift Doors, Inc. We take great pride in the quality and workmanship of our products and stand behind our products 100%. If you have any questions or concerns please contact us directly and we would be glad to assist you in any way possible.

This owner's manual is meant to be an informational tool for you to operate and maintain your Powerglide. Further information is available on our website or by contacting us directly. Please reference the contact information below.

We greatly appreciate your business and promise to work hard to provide you with the highest level of service at all times.

Thank you again for choosing Airlift Doors.

Airlift Doors, Inc.
1-888-368-4403
www.airliftdoors.com

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I. NORMAL OPERATION

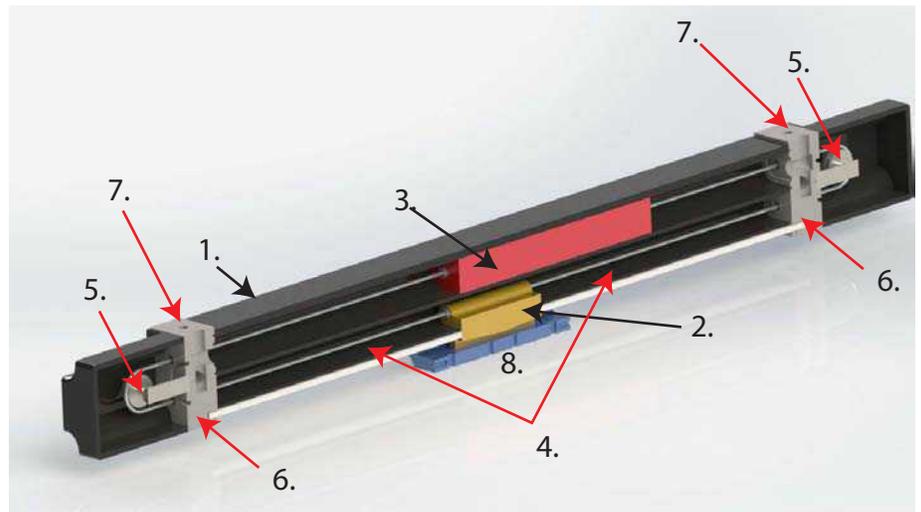
A. Basic Operation of the Powerglide Air Opener

Description

The Powerglide Air Opener is a pneumatically operated, rodless, internal cable driven garage door opener. Constructed of anodized aluminum, stainless steel, and other corrosion resistant materials, the Powerglide is ideal for environments where exposure to moisture, chemicals, and other contaminants are present.

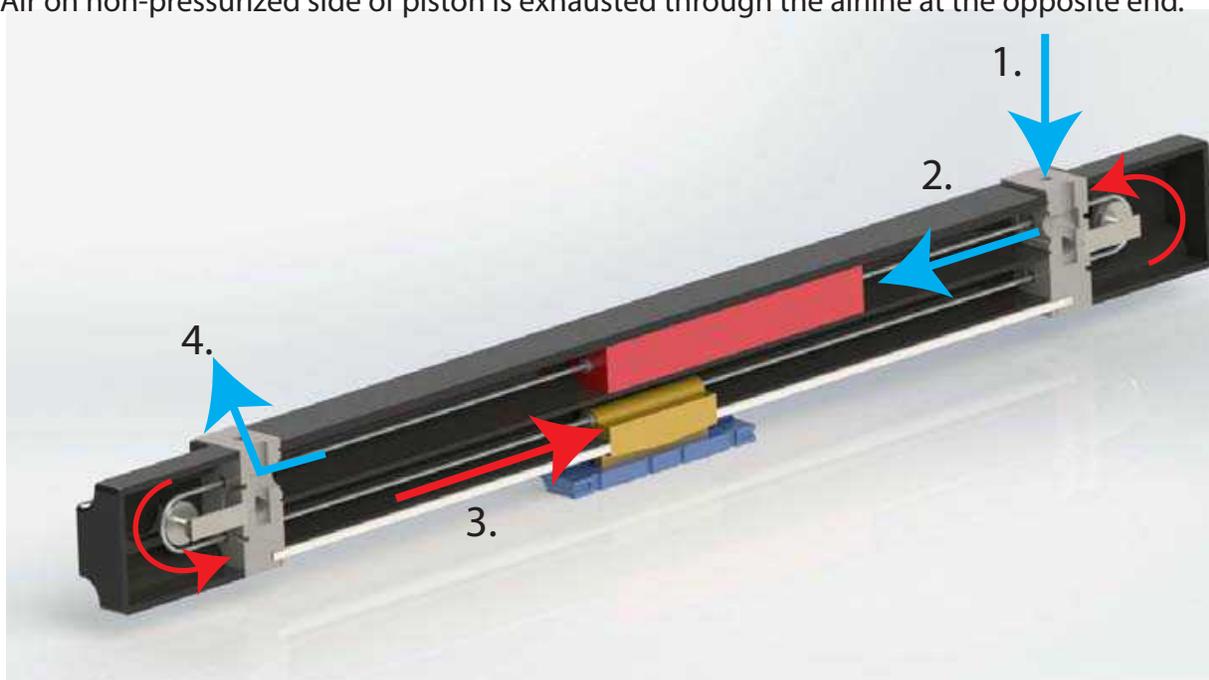
Construction

The Powerglide Air Opener consists of a dual chamber air cylinder that houses a pneumatic piston, carrier, drive cables, and pulleys. The piston resides in a sealed, pressurized chamber while the carrier travels in the non-pressurized side of the cylinder. The piston and carrier are linked through the means of 4 cables and travel in opposing directions. (FIG. 1A)



Air Flow During Operation

1. Air enters through the 3/8" airline at either end of the cylinder.
2. Pressurized air pushes piston towards opposite end of cylinder.
3. Mechanically linked carrier (via drive cables) is pulled towards air inlet side of cylinder moving the carriage along with it.
4. Air on non-pressurized side of piston is exhausted through the airline at the opposite end.

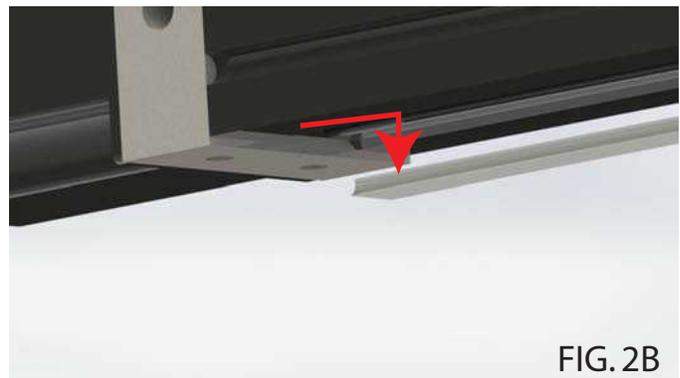
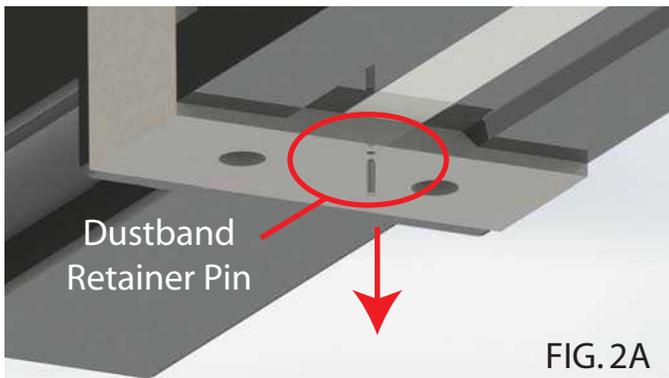


II. Maintenance

A. Dustband Maintenance

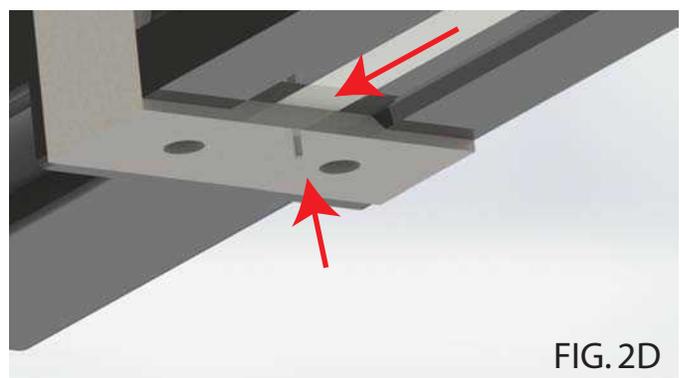
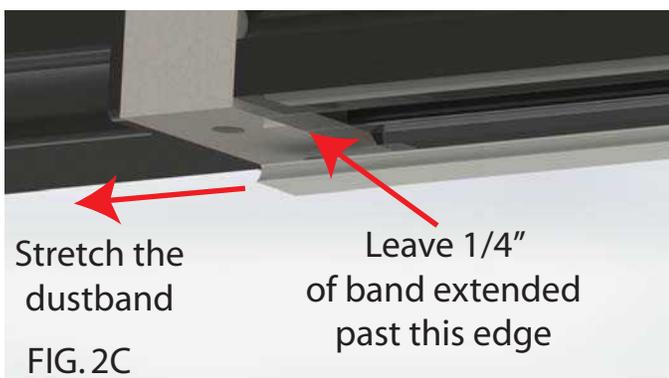
The Powerglide opener is equipped with a dustband located on the bottom of the cylinder that helps keep dirt, dust, and other contaminants out of the non-pressurized chamber. During normal use the dustband may stretch over time and become elongated enough to hang down from the bottom of the cylinder. To repair this please follow the instructions below.

1. Turn air pressure off at air regulator and drain air from the system.
2. Lift the door manually until the carriage is approximately in the middle of the cylinder.
3. On the end of the cylinder where the dustband has the most slack, use an allen wrench to remove the dustband retainer pin from the bottom of the cylinder end block. (FIG. 2A)
4. Once the pin is removed, pull the end of the dustband out of the end block. (FIG. 2B)



5. Next pull the dustband tight and use a utility knife to cut off the excess band. (FIG. 2C)
****NOTE**** You must leave approximately 1/4" of the dustband extending past the edge of the end block to allow for the retainer pin to hold it in place.

6. Slide the newly cut end of the dustband back into the end block and hold in place while you insert the retainer pin and tighten it. (FIG 2D)



II. Maintenance

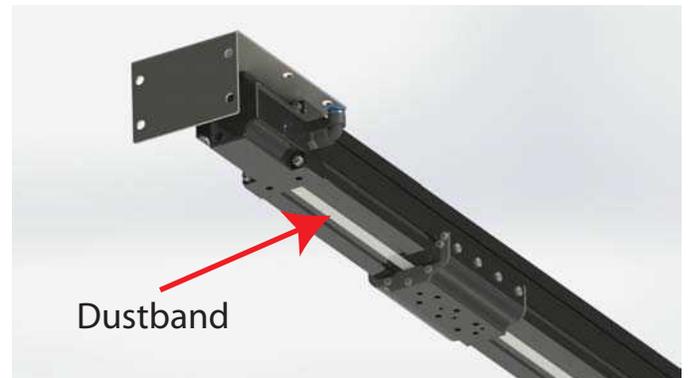
B. Lubrication

- Airlift Doors recommends using a petroleum based spray lubricant for the following steps. The recommended brand is JB-80, but any non-alcohol spray lubricant can be used. Do not use lithium grease or WD-40 on the Powerglide Air Opener.



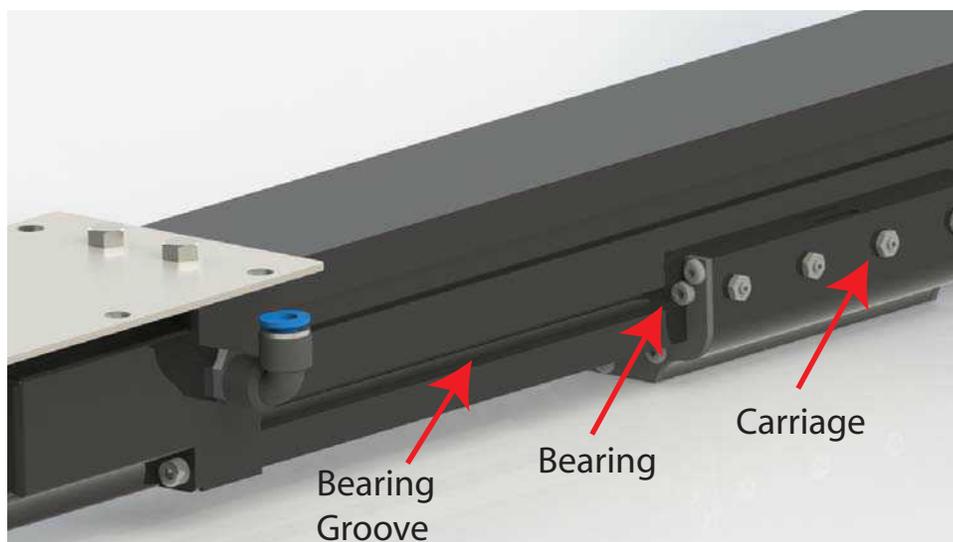
1. Grease Dustband

- Spray lubricant along the entire length of the dustband on the bottom of the opener.



2. Grease Carriage Bearing Grooves

- The Powerglide carriage utilizes two plastic rod type bearings on each side of the cylinder to allow it to glide smoothly. In order to maintain this smooth operation, spray lubricant in the bearing grooves on each side of the cylinder.

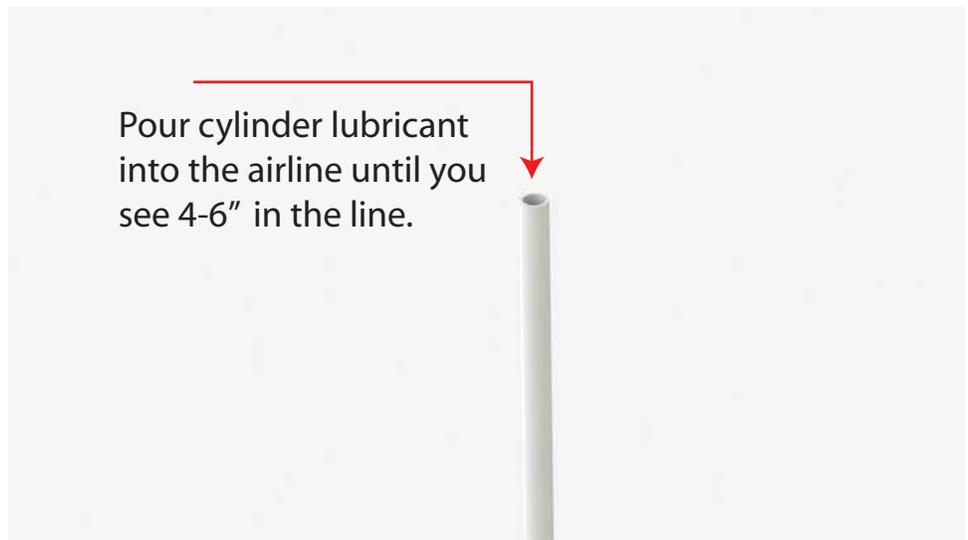


II. Maintenance

B. Lubrication

3. Internal Cylinder Lubrication

- Close the door.
- With the door in the closed position, air pressure is in the airline closest to the door.
- Remove the REAR airline and pour Airlift Cylinder Lubricant directly into the airline until you see approx. 4-6" of oil in the line.
**10w Non-Detergent motor oil can be substituted for Airlift Cylinder Lubricant
- Plug the airline back into the fitting and run the door open.
- The cylinder lube will be forced into the cylinder by the open air pressure.



III. Troubleshooting

A. Due to the number of options regarding controllers for the Powerglide Air Opener, all troubleshooting is covered in your control box owner's manual. Please reference that document for further information.

IV. Serial Number Location and Cylinder Measurements

Before you contact Airlift Doors for troubleshooting, parts replacement, or complete opener replacement, please obtain the serial number of the current cylinder as well as the length of the cylinder as shown below.

A. Serial Number Location

- The serial number of the Powerglide Air Opener is encribed into the side of the cylinder at one end. Depending on how the cylinder was mounted, this could be at the front or the rear of the cylinder. See below.



B. Cylinder Measurements

- In order for Airlift personnel to determine the size of your Powerglide Air Opener, you must provide us with the overall length of the cylinder, from end cap to end cap not including the mounting brackets. See below.



Provide this measurement when contacting Airlift Doors.

Internal Airlift Use Only

Powerglide Stroke/Cylinder Size = X - 19.25"

Quarterly Maintenance Program For "Powerglide" Air Openers

Year: _____

Note: Mark date in each box when maintenance is performed to keep accurate records

<u>Steps</u>	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
A. Dustband Maintenance				
B. External Lubrication				
C. Internal Lubrication				

1st Quarter Notes:

2nd Quarter Notes:

3rd Quarter Notes:

4th Quarter Notes:

UNLIMITED Warranty for the Powerglide Air Opener

Airlift Doors, Inc. warrants to the original purchaser or original user that all Powerglide model air openers sold by Airlift Doors, Inc. and all parts thereof are free from defects in material or workmanship under normal use and service. Airlift Doors Inc. sole obligation under this warranty shall be limited to furnishing replacement parts F.O.B Maple Lake, Minnesota for the periods specified below from the date of initial shipment by Airlift Doors, Inc.

Complete Opener (3) Year

These Warranties are void if the original product warranted has been damaged by accident, abuse, misuse or neglect, improper installation or service, unauthorized modifications, misapplication, or other use not arising out of defects in material and workmanship.

Warranty redemption requires verification of original purchase date and completion in full of return goods form. Returns are only accepted when return authorization number has been provided by Airlift Doors, Inc. before product is returned.

The warranties set out in this certificate are the exclusive remedy of the original owner or user in lieu of all other warranties written, oral or implied (including any warranty or merchantability or fitness for the purpose) and all other obligations or liabilities on the part of Airlift Doors, Inc. Airlift Doors, Inc. neither assumes nor authorizes any person to assume for it any other obligation or liability in connection with the sale, installation, or use of the Powerglide Air Opener or any parts thereof.

Airlift Doors, Inc. will not be responsible for labor or shipping and handling charges for the analysis of a defective condition or for the replacement and installation of defective parts.

The warranties herein shall be null and void if the Powerglide Air Opener is not installed by a competent contractor and/or if the Powerglide Air Opener is not installed according to Airlift Doors, Inc. provided instructions.

In no event will Airlift Doors, Inc. be responsible for, or liable to anyone for, special, indirect, collateral, punitive, incidental, or consequential damages, even if Airlift Doors, Inc. has been advised of the possibility of such damages. Such excluded damages include, but are not limited to, personal injury, damage to property, loss of goodwill, loss of profits, loss of use, cost of cover with any substitute product, interruption of business, or other similar indirect financial loss.



AIRLIFT DOORS, INC.

RETURN GOODS AUTHORIZATION

Airlift Doors, Inc. will not accept any return goods without prior authorization. Only the original purchaser is authorized to obtain return approval. If the goods were not purchased directly from Airlift Doors, Inc. please contact the Company the goods were purchased from to process the return with Airlift Doors, Inc.

Return Goods Procedure Directions:

Please complete this form and fax it to 612-588-7660 or e-mail to info@airliftdoors.com. Upon review and approval of this form you will be contacted by your preferred contact method.

Company: _____

Address: _____

City: _____ State: _____ Zip: _____

Contact: _____

Preferred method of Contact: _____

Original Invoice #: _____

Item(s) being returned: _____

Part # (if known): _____

Reason for Return: _____

Return Terms and Conditions:

All pre-approved returns must have the RGA number printed on the outside of the package

All Returns must be made within 30 days of authorization.

A copy of the RGA Slip and packing slip must be included with the return when replacement items have been shipped. Airlift Doors, Inc. will provide this slip with the replacement shipment.

All items to be returned to:

Airlift Doors, Inc

RGA # _____

400 State Hwy. 55

Maple Lake, MN 55358