

OWNER'S MANUAL

BG350 ADJUSTABLE INFLATABLE HEADER DOCK SEAL



ACTUAL PRODUCT MAY NOT APPEAR EXACTLY AS SHOWN



WARNING

Do not operate, install, or service this product unless you have read and fully understand the entire contents of this manual. Failure to do so may result in property damage, bodily injury or death.

BLUE GIANT®

STARTING FROM / SERIAL #

ISSUE DATE: JULY 07, 2025 REV. 1.0 (PART # 038-820E)

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1.0 ABOUT THE BG350 ADJUSTABLE INFLATABLE HEADER DOCK SEAL

Designed to suit 8' x 10' (2.4m x 3m) door openings, the BG350 has vertical airbags that increase the contact area against the trailer and tighten the seal to keep product secure. An internal retraction spring permits the header airbag to be fully retracted when not in use, preventing collision damage from incoming trailers.

STANDARD FEATURES:

- " (mm) projection
- 22 oz. Hi-Tear vinyl or rugged 16 oz. Hi-Tear Hypalon
- High visibility 24" (610mm) yellow guide stripe
- Pressure treated non-rot wood framing
- Translucent polyethylene sheeting on head frame allows light into dock area

ADDITIONAL OPTIONS INCLUDE:

1.1 OWNER'S PURCHASE RECORD

OWNER'S PURCHASE RECORD	
Please record information for future inquiries and to validate warranty. (See Section 2.1 for warranty validation)	
Dealer:	Date in Service:
	Number of Units:
Serial Number:	Door #:
Serial Number:	Door #:
Serial Number:	Door #:
Serial Number:	Door #:
Serial Number:	Door #:

The manufacturer offers a full line of dock levelers, dock safety equipment, accessories, ergonomic and scissor lift equipment, seals and shelters, and industrial trucks. Concurrent with a continuing product improvement program, specifications are subject to change without notice (see section 2.2 of this manual). Please contact the manufacturer for latest information. Some features illustrated may be optional in certain market areas.

2.0 INTRODUCTION

The following is a quick reference to important procedures that must be followed while installing the Dock Seal or Shelter. It is not intended to cover, or suggest that it does cover, all procedures necessary to ensure safe installation and operation. All personnel who install and / or use this dock equipment should be aware of and abide by all workplace safety regulations applicable to the installation and operation of the Dock Seal or Shelter. These laws and regulations include but are not limited to:

- The Occupational Safety and Health Act
- Canada Occupational Health and Safety Regulations
- Occupational Safety and Health Acts for Individual States (USA)

For additional information on these regulations as well as industry standards that may apply to this product, please contact:

American National Standards Institute (ANSI)
1430 Broadway, New York, NY 10018
Telephone: 212.642.4900
www.ansi.org



Also a member of:

Loading Dock Equipment Manufacturers
A Product Section of Material Handling
Industry of America



A Division of Material Handling Industry
8720 Red Oak Blvd, Suite 201, Charlotte, NC, 28217-3992
Telephone: 704.676.1190
www.mhi.org/lodem

2.1 WARRANTY INFORMATION

Thank you for purchasing Blue Giant products. We appreciate your business, and are confident that our product will serve you for many years to come. In the event that you experience a problem with our product, our Warranty Center is here to support the Blue Giant Product(s) that you have purchased.

To validate warranty on recently purchased equipment, please complete and submit your information with our on-line Warranty Registration at www.BlueGiant.com.

For more information about Blue Giant Warranty Support, please contact your local Blue Giant Equipment dealer, representative or authorized partner near you. You may also visit www.BlueGiant.com or phone 1.905.457.3900.

* Note that failure to validate warranty at the time of receipt can seriously affect the outcome of any claim.

DEALER INFORMATION

Name:

Contact:

Telephone:

2.2 EXCLUSION OF LIABILITY

The manufacturer assumes no liability for damage or injury to persons or property which occur as a result of defects or faults in or incorrect use of the Dock Seal or Shelter. The manufacturer also assumes no liability for lost profits, operating downtimes, or similar indirect losses incurred by the purchaser. Injury to third parties, irrespective of its nature, is not subject to compensation.

The manufacturer reserves the right to make changes at any time to the modules, components, and accessories, concurrent with its continuing product improvements and development program. Specifications, operating instructions, and illustrations included in this manual are subject to change without notice. Please contact manufacturer for the latest information.

2.3 MANUFACTURER'S NOTE

The Dock Seal or Shelter has been carefully inspected and tested at the manufacturer's plant prior to shipment, but should be checked upon receipt for transport damage. Any observed transport damage is to be listed on the signed copy of the freight document. Notify the freight forwarder of any damage WITHIN 48 HOURS.

2.4 INSTALLER'S GUIDELINES


Please read all instructions carefully before installing this Blue Giant dock product. It is the installer's responsibility to comply with the following:

- The installation of Blue Giant dock products should comply with all applicable local or national building codes and regulations, including any that may supersede this manual.
- Site surveys and other applicable install-related documentation must be properly and accurately completed prior to installation. Failure to comply with this requirement may result in an improper install and possible voiding of the warranty.
- Only Blue Giant-supplied or approved parts must be used. Any unauthorized parts substitution may void the warranty.

Always lockout and tagout any power source before performing any electrical work, in accordance with OSHA regulations and approved electrical codes. The installer is responsible for reading, understanding, and complying with all personal protective equipment (PPE) policies in effect.

3.0 SAFETY MESSAGE COLOR IDENTIFICATION

This manual includes color-coded safety messages that clarify instructions and specify areas where potential hazard exists. To prevent the possibility of equipment damage and serious injury or death, please observe strictly the instructions and warnings contained in the messages. If warning decals become damaged or missing, replace them immediately. Avoid accidents by recognizing dangerous procedures or situations before they occur.


 DANGER
Serious injury or death will likely occur if the instructions are not followed.


NOTICE
Procedures marked notice must be followed in order to prevent damage to machinery.

 WARNING
Serious injury or death may occur if the instructions are not followed.

 CAUTION
Instructions marked caution concern safe operating procedure. Failure to comply may result in personal injury.

3.1 OPERATIONAL SAFETY WARNINGS

 WARNING
<ol style="list-style-type: none"> 1. Installation must be performed only by trained and authorized personnel. 2. Prior to installation, place adequate barriers to prevent vehicle traffic from entering the work area. 3. Do not remove the wheel chocks until loading /unloading is finished and the truck is cleared for departure or the vehicle restraint has been released and the lights have changed to RED inside and GREEN outside.

 CAUTION
<ol style="list-style-type: none"> 1. Only trained personnel should operate or service this equipment. 2. Do not operate the dock equipment until the transport vehicle is parked against the dock bumpers. 3. Conduct routine inspections and maintenance. Failure to do so could cause equipment damage and or personal injury. 4. Always call your authorized service representative or manufacturer immediately if a malfunction occurs.

4.0 LOCKOUT / TAGOUT PROCEDURE AND RULES

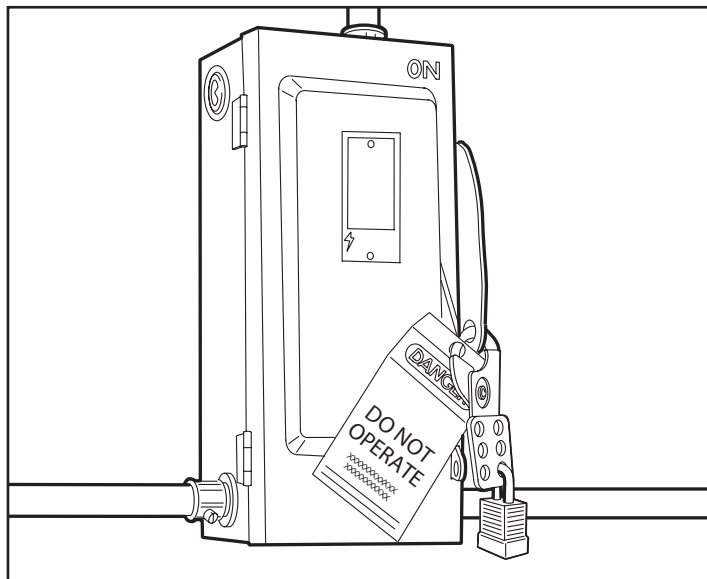
In accordance with the rules and regulations of the Occupational Safety and Health Administration (OSHA), all affected employees must be notified that the machine or equipment will be shut down and locked out to perform repair or maintenance work. The work area must be checked to ensure that all personnel have been removed or safely repositioned. The machine or equipment power supply shall be locked in the OFF position or disconnected from the energy source. Blue Giant® strongly recommends that only OSHA-approved lockout devices be utilized.

The energy isolating device must bear a prominent warning tag indicating that work is being done on the equipment and the name of the authorized employee responsible for the lockout. It is mandatory that tagout notices not be susceptible to deterioration or illegibility due to weather conditions or exposure to chemicals and moisture.



WARNING

Always lockout and tagout any power source before performing any work on any electrical devices or electrical controls according to OSHA regulations and approved local electrical codes.



Approved way to lockout / tagout.

5.0 OPERATING INSTRUCTIONS



WARNING

Always ensure that the airbag is fully deflated before the truck backs up to the door and when the truck departs. Failure to do so may result in damage.

5.1

The operating instructions in this section are for the included on/off switch only. If you are using this product with a Blue Genius™ control panel, refer to Section X.X for alternate operating instructions.

Open the overhead door. When the truck reverses into position, activate your vehicle restraint. Once the vehicle restraint has secured the truck, press the on/off switch (included) to the "ON" position. The airbag will begin to inflate, creating a tight seal around the truck.

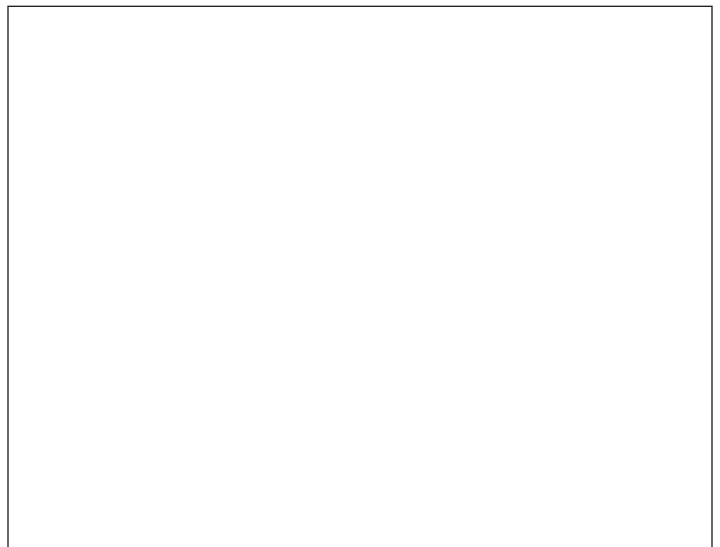


PERFORM LOADING AND UNLOADING

5.2

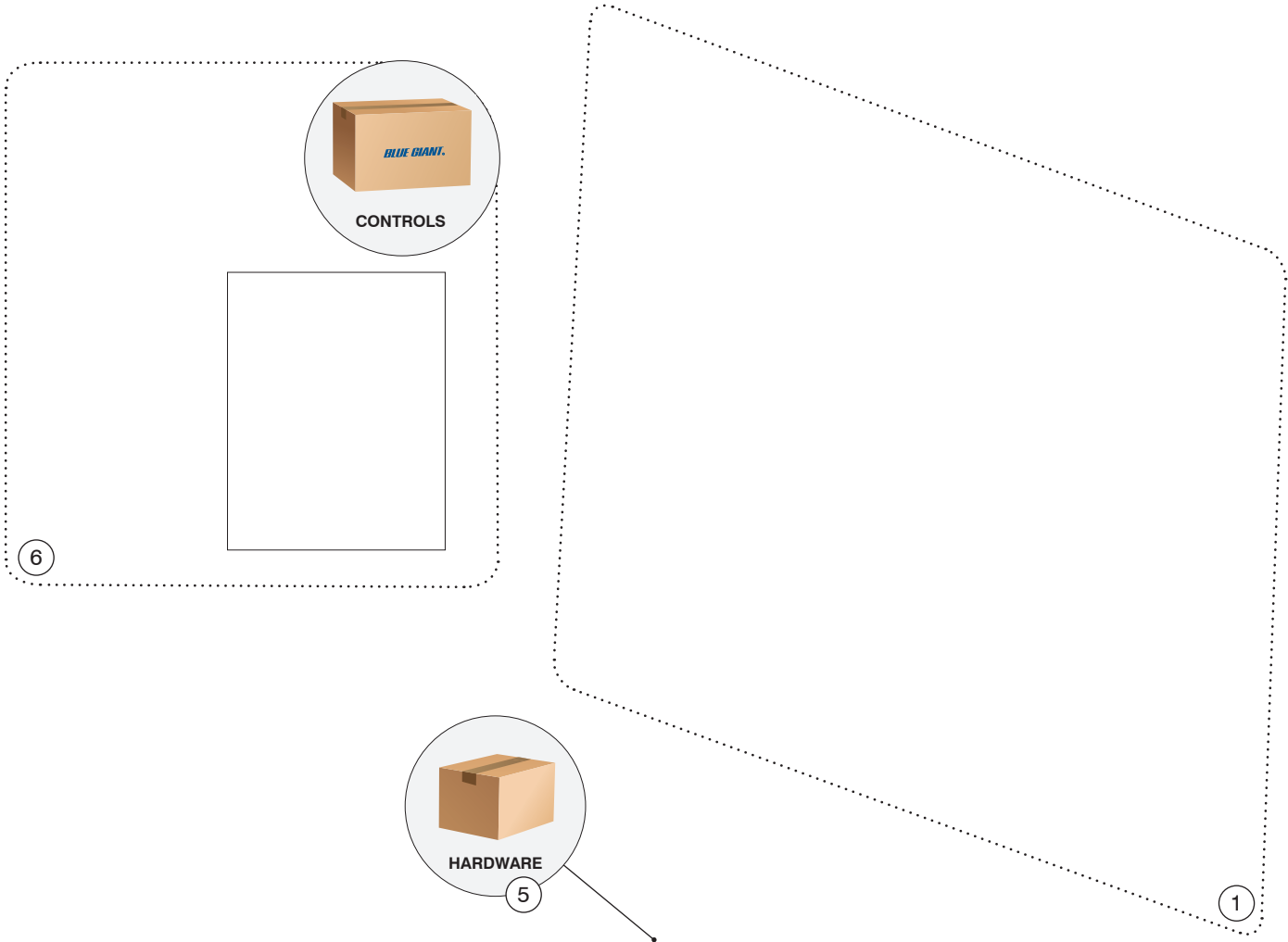
Once loading and unloading has finished, press the on/off switch to the "OFF" position. The airbag will begin to deflate. After the airbag has fully deflated, the dock leveler may be returned to the home position and the vehicle restraint disengaged. (not sure on order)

NOTE: Failure to ensure that the airbag is completely deflated before allowing the truck to leave may result in serious damage to the unit.



6.0 EQUIPMENT COMPONENT ILLUSTRATIONS

6.1 COMPONENTS AS SHIPPED CHECKLIST



6.1 COMPONENTS AS SHIPPED CHECKLIST CONT'D

✓	ITEM	QTY	PART NO.	DESCRIPTION	APPROX. WEIGHT	
	1	1		Head Frame w/ Torsion Spring and Header Airbag (Assembled)		
		1		Trim Angle		
		1		Header Storage Curtain		
		2		Vertical Airbags w/ Bottom Flaps and Guide Stripes		
		1		1/2HP Motor and Blower Assembly		
		2		Side Supports		

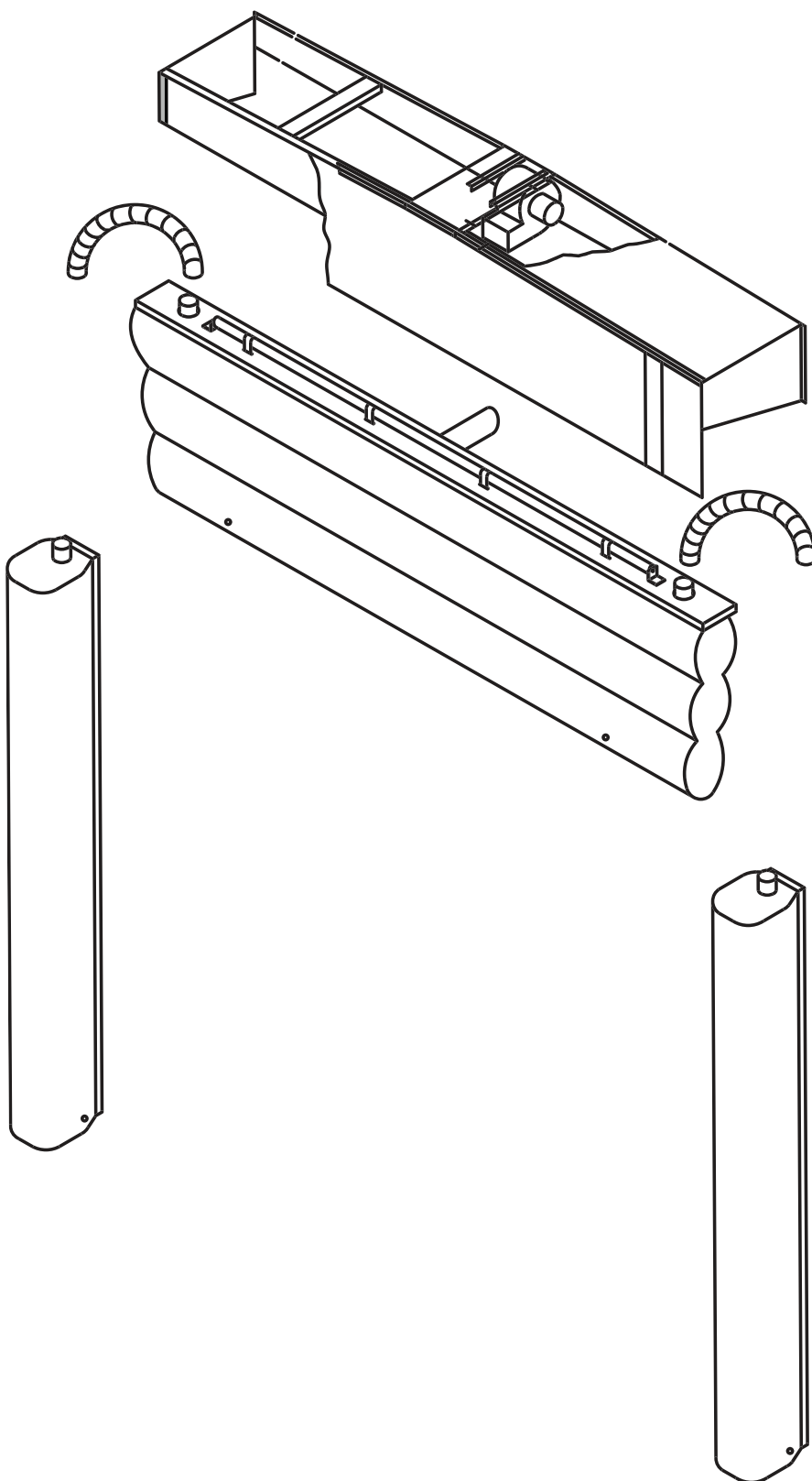
ITEM # 5 - HARDWARE INCLUDED:

✓	QTY	PART NO.	DESCRIPTION	APPROX. WEIGHT	
	4		3/8" (10mm) x 3" (76mm) Sleeve Anchors (Canada Only)		
	50		#14 x 1-1/2" (38mm) Wood Screws		
	15		Roofing Nails		
	6		Flat Brackets		
	6		Angle Brackets		
	20		3/8" (10mm) x 1-7/8" (48mm) Sleeve Anchors		
	2		6" (152mm) Clamps		
	1		Pilot Light		
	1		Metal Box		
	1		Face Plate		

ITEM # 6 - CONTROL AND COMPONENTS INCLUDED:

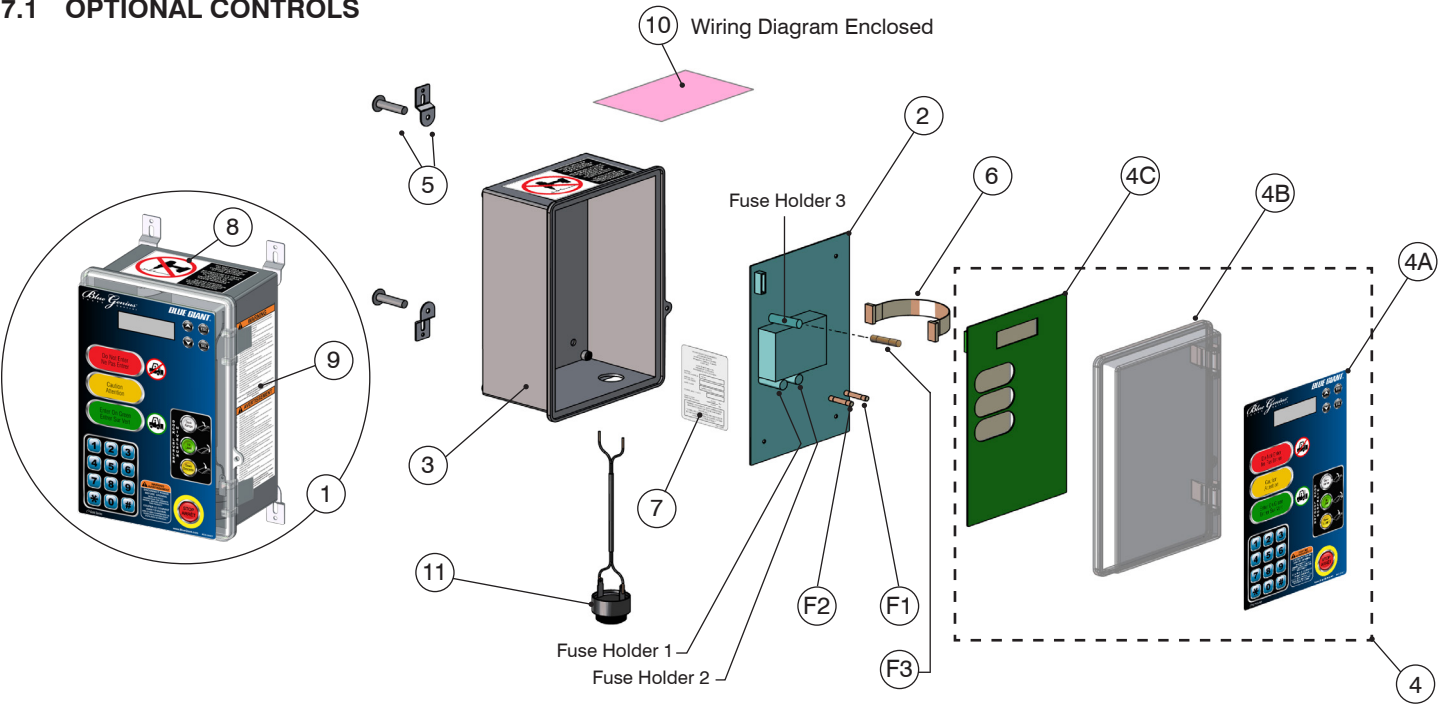
✓	QTY	PART NO.	DESCRIPTION	APPROX. WEIGHT	
	1				
	1			—	—
	1	038-670E	BG350 Adjustable Inflatable Header Dock Seal Owner's Manual	—	—
	1	032-461	Exterior Traffic Light - Optional	1.3 lb	0.6 kg

7.0 MECHANICAL ASSEMBLY



[illegible][illegible]

7.1 OPTIONAL CONTROLS



COMPLETE CONTROL STATION ASSEMBLY - ITEM 1 (Example BGG0V1115F)

ITEM	SINGLE PHASE							
	◇	FUSE	QTY	PART NO.	DESCRIPTION	ASSY PART #	*	
2	F1	A	1	026-PB1115	Power Board Sub-Assembly † (1PH 115V 50-60HZ)	BGG0V1115	F	
	F2	E	1				S	
	F1	C	1	026-PB1230	Power Board Sub-Assembly † (1PH 230V 50-60HZ)	BGG0V1230	F	
	F2		1				S	
	THREE PHASE							
	◇	FUSE	QTY	PART NO.	DESCRIPTION	ASSY PART #	*	
	F1	C	1	026-PB3230	Power Board Sub-Assembly † (3PH 230V 50-60HZ)	BGG0V3230	F	
	F2		1				S	
	F1	F	1	026-PB3400	Power Board Sub-Assembly † (3PH 400V 50-60HZ)	BGG0V3400	F	
	F2		1				S	
	F1	G	1	026-PB3460	Power Board Sub-Assembly † (3PH 460V 50-60HZ)	BGG0V3460	F	
	F2		1				S	
	F1	H	1	026-PB3575	Power Board Sub-Assembly † (3PH 575V 60HZ)	BGG0V3575	F	
	F2		1				S	
3			1	025-G010-M	Control Box Enclosure (Includes 4B)			
4			1	Consult Factory	Control Box Lid (4B) with Decal (4A) and Control / Board (4C) (Serial # Required)			
4A			1	038-264EF	Button Decal, English / French			
				038-264ES	Button Decal, English / Spanish			
4B			1	025-G014-M	Cover Only			
4C			1	026-G020-99	Blue Genius™ Control / Touch Board			
5			1	025-G010-1	Mounting Tabs with Hardware (1 pkg of 4)			

† Includes Fuses
◇ Location on Power Board

ITEM	QTY	PART NO.	DESCRIPTION
6	1	026-G030	Ribbon Cable
7	1	038-284EF	Decal, Serial Plate English / French
		038-284ES	Decal, Serial Plate English / Spanish
8	1	038-283ESF	Decal, Do Not Drill
9	1	038-853EF	Warning Decal, English / French
		038-853ES	Warning Decal, English / Spanish
10	1	026-615-1	Anti-Static Poly Bag (Wiring Diagram Enclosed - Serial # required)
11	1	026-G402	Audible Speaker
F3	1	026-037-1	Fuse, 2.5A, 700V, Fast-Blow 1/4" Glass

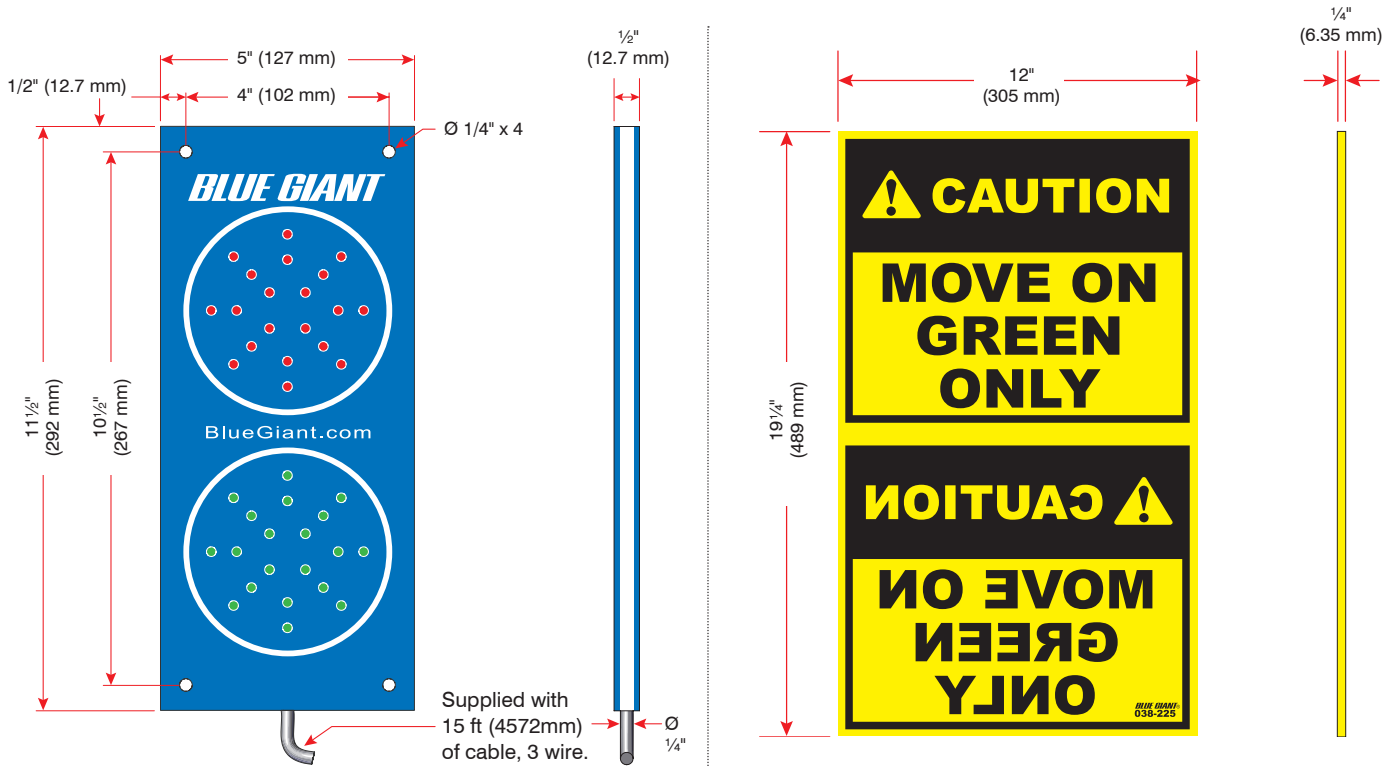
AS PER VOLTAGE - SEE ITEM 1

ITEM	QTY	PART NO.	DESCRIPTION
A	1	026-G100	Fuse, 15A, 250V, Time Delay for 1PH, 110-130V
B	1	026-G101	Fuse, 8A, 250V, Time Delay for 1PH, 208-240V
C	1	026-G102	Fuse, 0.5A, 208-240V, Time Delay for 1 and 3PH
D	1	026-G103	Fuse, 0.25A, 250V, Time Delay for 1PH, 208-240V
E	1	026-G104	Fuse, 0.75A, 250V, 10-130V, Time Delay for 1PH
F	1	026-G105	Fuse, 500mA, 700V, Fast Acting for 3PH, 380-415V
G	1	026-G106	Fuse, 400mA, 700V, Fast Acting for 3PH, 440-480V
H	1	026-G107	Fuse, 315mA, 700V, Fast Acting for 3PH, 575-600V

* Language on decal: F = English / French S = English / Spanish
‡ 115 Volt Control Box Shown

7.2 OPTIONAL EXTERIOR TRAFFIC LIGHT / MIRROR IMAGE SIGN

Slim-build LED traffic lights and mirror image drive warning sign improve loading dock safety.



Exterior driver traffic light, part # 032-461.

NOTE: Mount to a flat surface. DO NOT deform light housing with irregular wall surface.

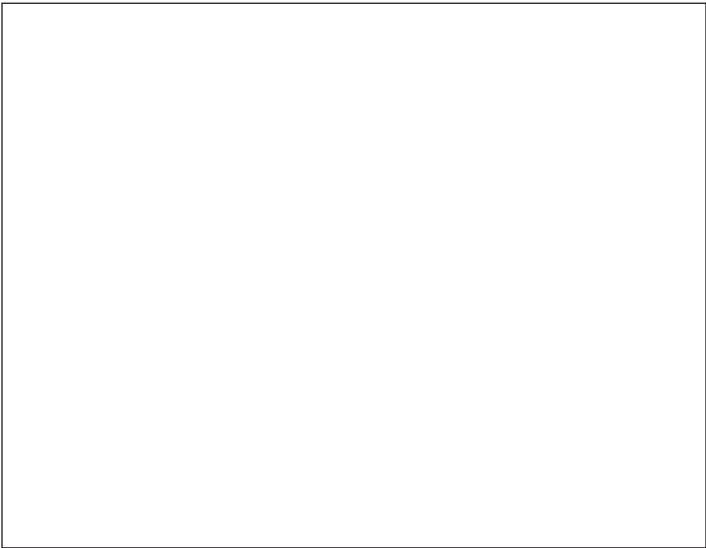
Exterior driver warning sign, part # 038-225.
(French 038-225F / Spanish 038-225S)

8.0 ALTERNATE OPERATING INSTRUCTIONS

8.1 START

The operating instructions in this section are for the optional Blue Genius™ control panel.

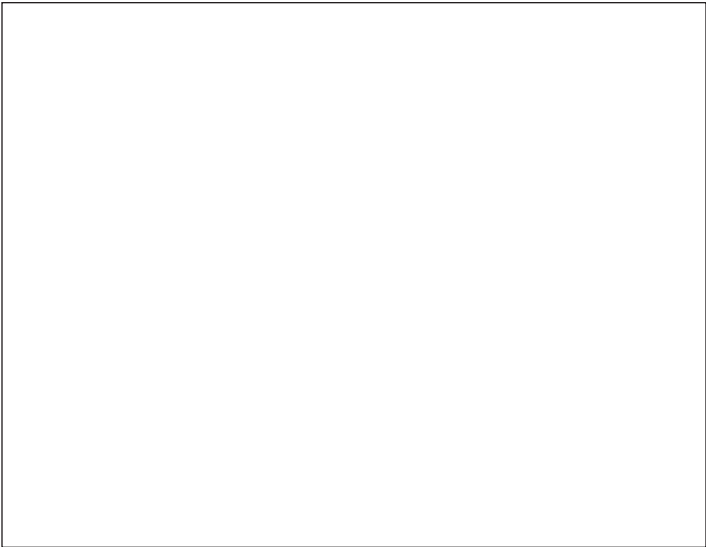
Open the overhead door. When the truck reverses into position, activate the vehicle restraint by touching the "Engage" button. Once the vehicle restraint has secured the truck, the seal will begin to inflate automatically. This process will take 20 seconds. During this time, no further operations can be performed by the Blue Genius™ control panel. After the airbag has inflated, the dock leveler may be lowered.



PERFORM LOADING AND UNLOADING

8.2 FINISH

When finished, the dock leveler may be restored to home position and the door can be closed. The vehicle restraint will not disengage until the airbag has deflated.



9.0 DOCK SEAL TROUBLESHOOTING

 **WARNING**

Do not attempt to install, make repairs or adjustments. Only a trained and authorized service technical should perform the installation process. Contact your local dealer or distributor for assistance.

PROBLEM	PROBLEM CAUSE
Seal will not inflate.	?

10.0 WIRING DIAGRAM

NOTES

NOTES

NOTES



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