

SERVICE & MAINTENANCE MANUAL FOR:



Tube Arch

by:



INFLATABLE IMAGES®

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INTRODUCTION

To the owner:

This manual is your guide to safe, productive operation. Read it carefully. It will reduce/eliminate trial and error learning and minimize downtime caused by improper maintenance.

For additional information, contact the INFLATABLE IMAGES CUSTOMER SERVICE DEPARTMENT AT 330-273-3200 x154.

NOTE: Because we try to improve every INFLATABLE IMAGES product, specifications and product design are subject to change without notice.

Intended uses:

The equipment described herein is intended to be used by a commercial operator to provide a service to the buyer’s customers. As a commercial operator, the buyer agrees to operate and maintain the equipment for its intended use in a professional and competent manner as per INFLATABLE IMAGES recommendations and instructions, ASTM standards on amusement inflatables and devices, applicable governmental standards, and good commercial practices using professional and competent mechanics and operators. If at any time, and for any reason, the equipment cannot be adequately and safely operated for its intended use, buyer agrees not to operate the equipment until repairs or corrections are made.

Inflatable information plaque:

The inflatable information plaque is mounted to the main structure at the front of the inflatable. The plaque lists inflatable specifications, operating dimensions, ground load, as well as model and serial number and date of manufacture. When ordering parts or requesting information from the INFLATABLE IMAGES CUSTOMER SERVICE DEPARTMENT, always specify the model and serial number of your inflatable.

SPECIFICATIONS

INFLATABLE – Tube Arch
 MODEL NO. – N/A
 SERIAL NO. – N/A
 ELECTRICAL SERVICE – 110V, 60Hz
 OPERATORS/ INSTALLERS -
 1-2 people for ground installs
 DIMS – 13’-26’ Tall

BLOWER REQUIREMENTS

MODEL – WB-1 / Eco Eagle
 HP – 1 HP
 VOLTS – 115
 AMPS – 60 Once pressurized
 HERTZ – 60
 CFM – 908
 MAX RPM – 3450

OR

MODEL – EGII
 HP – 1 HP
 VOLTS – 115
 AMPS – 11 Once pressurized
 HERTZ – 60
 CFM – 4000
 MAX RPM – 1550

SETUP AND TEAR DOWN

General Information:

This manual provides detailed instructions for setting up and tearing down the portable unit. The general sequence is given for carrying out each procedure, and should be followed. If the size of the set-up crew permits, some steps can be performed simultaneously. Extra caution must be used, however, to keep all workers clear of any potential hazard.

WARNING: When setting up or tearing down the unit, never allow bystanders and/or other workers in the area. Always know the whereabouts of all workers during the entire set-up or tear-down procedure.

CAUTION: Precautions for personnel safety must be observed at all times when setting up or tearing down the unit. Be aware of elevated areas, pinch points, suspended loads, moving equipment, etc. Keep a safe distance from these hazards to avoid serious personal injury.

ELECTRICAL CONNECTION

Before starting to set up the inflatable, electrical power must be connected as follows:

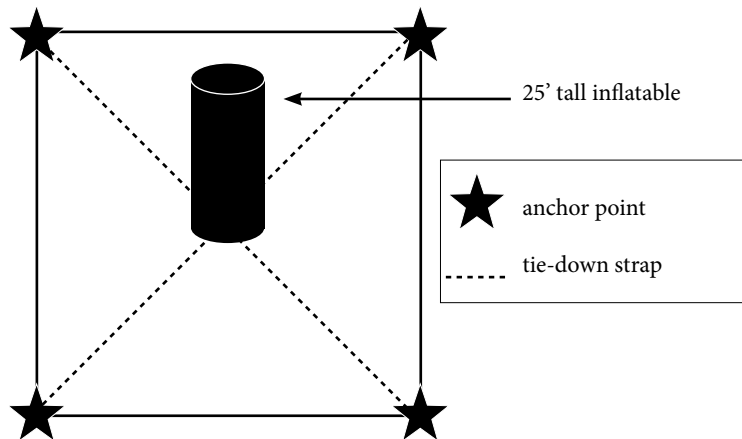
1. Check the Main circuit breaker located in the main control box. Make sure it is in the "OFF" position.
2. Ground per local code.

IMPORTANT: Make sure the small ground wire of the power cable is connected to an adequate ground per local code.

3. Connect the main electrical power supply to the inflatable. Check the electrical specifications for the power requirements of the inflatable, noting the color coding of the power cable. GROUND – Green wire NEUTRAL – White wire PHASES – Black, red, and blue wires
4. Make sure all switches on the controls are in the "OFF" position.

SETUP PROCEDURE

1. Select a suitable location which is flat and has adequate space for the fully inflated unit. Keep at least 10 feet of clearance on all sides. Use a ground sheet under the inflatable unit, particularly on a hard surface.
2. The distance between ground anchor points and the inflatable is equal to the height of the inflatable. Example: for a 25' inflatable you would have a distance of 25' between each anchor point. Please reference the drawing below.



3. All anchor points around the bottom and 2/3 of the way up on the inflatable need to be staked down using 30" metal stakes adjustable or non-adjustable. The stakes should be hammered into the ground using a sledge hammer 27" - 28" deep leaving only 2" - 3" exposed for the attachment of straps.



4. Remove the rolled up and folded unit from its transport packaging. DO NOT drag the unit across the ground. ALWAYS use sufficient personnel to carry the unit clear of the ground to the setup location. NEVER leave the inflatable unit unattended, inflated or deflated.

IMPORTANT: Make sure that overhead obstructions or sharp or protruding ground objects will not interfere with inflation or damage the inflatable unit.

5. Ensure the area which the unit is to be used is clear of all protrusions and sharp objects which may damage the skin of the inflatable. The general area should be non-abrasive. Indoors on a smooth carpeted floor or outdoors on a flat soft grassy location is perfect. Safety mats should be placed in front of the inflatable where the passengers enter/exit the structure.
6. Place the folded unit in the middle of the cleared setup location and unfold. PLEASE NOTE how the structure is folded because this is the recommended method to use when repacking the unit in its transport packaging.

SETUP PROCEDURE CONT'D

7. Connect the blower unit(s) to the inlet tube(s) at the back of the inflatable, ensuring that the deflation/maintenance zipper is closed, and that the exit holes around the structure are open .



8. The unit is now ready for inflation. Keep the area clear.

IMPORTANT: Make sure that people or animals do not walk on the flat structure before inflation is attempted. This may damage your unit.

9. Plug the fan(s) into a 110 VAC outlet. The extension cord connected to this fan must be capable of carrying 15 amps. Extra long cords should be a minimum of #10/3 wire. Be sure to observe the instructions in the Electrical Connection Section of the Manual.
10. After the unit is inflated, inspect for signs of aging, such as cracks in wrinkles and tears, prior to operation. Cracks or tears should be repaired prior to operation.
11. All debris and moisture must be removed from the unit before operation. When fully inflated, the unit should fit comfortably in its space with 10 ft. of clear space on all sides. This will allow ease of access and necessary supervision.

TEAR DOWN PROCEDURE

1. All debris and moisture must be removed from the unit prior to storage. NEVER LEAVE YOUR UNIT PACKED AWAY WET AS THIS WILL CAUSE MILDEW AND WILL DAMAGE THE UNIT. THIS IS NOT COVERED BY THE WARRANTY.
2. When deflating the unit, keep the ground area around the unit clear, and everyone away.
3. Switch off the blower motor, and remove the blower from the inlet. Unzip the deflation zipper on the backside of the unit after the blower has been removed (please refer to schematic for zipper placement at the bottom of the page).
4. Fold the unit up as neatly in the same way as it was unfolded during setup. Place the unit in its transport packaging. NEVER leave the inflatable unattended, inflated or deflated.

DAILY INSPECTION RECORD

THE FOLLOWING INSPECTION RECORD MUST BE COMPLETED ON A DAILY BASIS AND RETAINED IN THE PERMANENT FILE RECORD FOR YOU UNIT. MAKE EACH INSPECTION DAILY AND INITIAL THE APPROPRIATE BOX. MAKE COPIES OF THIS FORM AS REQUIRED FOR EACH WEEK'S INSPECTION. THIS IS THE OPERATORS RESPONSIBILITY.

WEEK OF: _____ THROUGH: _____

INSPECTION	MON	TUE	WED	THU	FRI	SAT	SUN
1. CHECK FAN AND ELECTRIC CORD FOR CONDITION.							
2. CHECK ALL TIEDOWN STAKES, SANDBAGS, ROPES.							
3. REMOVE ALL DEBRIS AND MOISTURE.							

MAINTENANCE

General Information:

Proper maintenance of the inflatable is vital to safe operation, reduced operating costs, and longer life equipment.

This Manual provides detailed information on scheduled maintenance and lubrication on the inflatable. It also includes troubleshooting information. This information must be immediately available to all operators of the inflatable.

Contents:

- 1.0) MAINTENANCE SCHEDULE
- 2.0) MAINTENANCE LOG
- 3.0) SAFETY GENERAL SAFETY GUIDELINES
- 4.0) TROUBLESHOOTING PROCEDURES

1.0) MAINTENANCE SCHEDULE

Daily Checks

1. Remove all debris and moisture from the inflatable.
2. Check all attachments to inflation fans. Check for air leaks or tears in the fabric. Check all tiedown stakes or sandbags for security.
3. Check power cord for proper installation and safety.

2.0) MAINTENANCE LOG

SERVICE BULLETINS

- 1.
- 2.
- 3.

3.0) SAFETY

The following is a list of general rules which should be observed by everyone. Remember that the key to a safe and successful operation is to have well trained and well supervised employees.

General Safety Guidelines

1. All work must be performed by a competent, qualified repair technician, who is capable of understanding the function of the parts and their proper installation.
2. Inspect the inflatable before each day of operation to determine that no portion of the inflatable is damaged, missing, or worn in such a manner that unsafe conditions can develop.

3.0) SAFETY (cont.)

3. Perform the Manufacturer's recommended maintenance procedures at the intervals specified and in the manner described in this manual.
4. Study each job carefully to determine all hazards so that necessary safeguards can be taken.
5. Protect your eyes by wearing approved safety glasses or goggles.
6. Where work to be performed is hazardous, at least two persons shall work together.
7. Clean up after each job, and properly dispose of surplus materials.
8. Keep a record of any repairs, and parts replaced and the date of replacement or repairs.
9. Make modifications and additions as outlined in manufacturer's service and safety bulletins.

4.0) TROUBLESHOOTING PROCEDURES

Before calling the INFLATABLE IMAGES CUSTOMER SERVICE DEPARTMENT for help, be prepared with the following information.

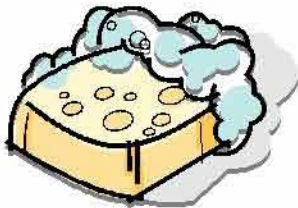
1. Have the inflatable serial number and name available.
2. Have the service manual ready to use as a reference.
3. If the inflatable was previously owned, by whom? (I/I records often show changes made to an inflatable by previous owner.)
4. Have the same person make all calls. Be sure to get the name of the person to whom he is speaking to at the factory. All calls should then be made to that same person.
5. Have a phone number ready at which you can be reached.
6. Have shipping instructions ready. (How, when, and where to ship parts.
7. Have a list of any alterations, modifications, or kits that have been added to the inflatable.
8. The person calling the factory must be familiar with the problem and be able to describe symptoms of the inflatable problem (such as: was the problem gradual; did it suddenly quit; are any sounds occurring that are not normal; does the problem occur continuously , or is it intermittent; etc.).
9. Many times the problem that completely stops an inflatable from working is one of many simple things that are forgotten or overlooked. It can save several expensive phone calls or a more expensive visit by a factory representative, as well as valuable time to double check everything.

1.0) SERVICE BULLETIN LOG

NO.	DESCRIPTION	DATE	BY

Does your inflatable need a cleaning?

*We'll make
it shine!*



Please contact your sales person
today at (330) 273-3200 or call
Andrea Gibson direct at x154.

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Brunswick, Ohio 44212
info@scherba.com



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