

# MoonwalkUSA

## Inflatable Product Owner's Manual

[www.MoonwalkUSA.com](http://www.MoonwalkUSA.com)



Customer Name			Date of Purchase	
Game Type			Ship/Pickup Date	
Invoice Number				
Serial Number				

# Inflatable Product Owner's Manual

*Thank you for choosing MoonwalkUSA*

**Thank you for purchasing from MoonwalkUSA. At MoonwalkUSA, quality is always our first priority. We offer high quality inflatable with the most competitive prices.**

**It is very important that you read the entire manual before setting up and operating your inflatable units. This manual includes:**

- 1. Contact Information**
- 2. Packing list**
- 3. Safety Rule**
- 4. Installation**
- 5. Operating Instruction While in Use**
- 6. Deflation and Packing Instructions**
- 7. Folding Process**
- 8. Cleaning and Maintenance**
- 9. Repairs**
- 10. Pre Operation Inspection Checklist**
- 11. CPSC Bulletin on Inflatable Amusement Rides**

## Contact Information

**If you have any questions or concerns regarding this manual, or in any case you need contact us, please feel free to email us at: [info@MoonwalkUSA.com](mailto:info@MoonwalkUSA.com), or call us at (734) 658-1608.**

<b>Phone</b>	<b>(734) 658-1608</b>
<b>email</b>	<b><a href="mailto:info@MoonwalkUSA.com">info@MoonwalkUSA.com</a></b>
<b>Website</b>	<b><a href="http://www.MoonwalkUSA.com">www.MoonwalkUSA.com</a></b>

## Packing list

**You should receive the following components with purchase:**

- Inflatable unit**
- Repair kit (Wrapped inside the Inflatable unit)**
- User manual**

## Safety Rules

**Check with your local government for any specific rules related with moonwalk safety. Below are the safety rules from MoonwalkUSA.**

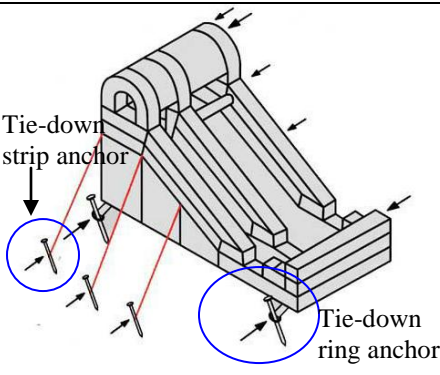
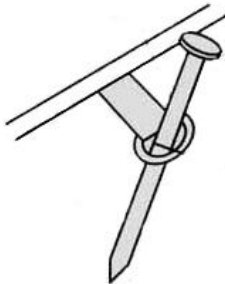
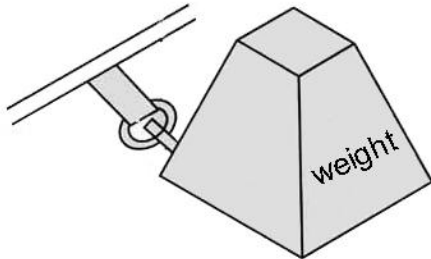
- Before the inflatable unit is securely anchored and fully inflated, do not allow anybody get inside or on the inflatable.
- In case of power failure, empty the moonwalk immediately.
- Do not use in high wind, rain, snow or lightning conditions. If wind exceeds 15 MPH, empty the inflatable and deflate the inflatable.
- Use an adequate three wire extension cord, min. 12 gauge for 50ft. Never cut or remove the round grounding pin from the cord. Check with your local regulation and blower's manufacturer user manual for the use of the blower and the extension cord.
- Always connect a GFI extension cord adaptor to any extension cord before plugging into a power source to reduce the possibility of shock in damp environments.
- Check the GFI operation at least once per event
- Check the connection of GFI extension cord and any extension cord frequently when using the inflatable.
- Do not allow anybody carry sharp object while playing the inflatable
- Do not allow anybody inside the moonwalk or get on the slide before the inflatable is fully inflated.
- Get the map of underground utilities before driving in any stakes
- Do not allow any children or adults in the rear of the ride or near the blower at any time.
- Make sure the players wear safety headgear in use of the Joust Arena and Boxing Ring
- **No head-down play on any inflatable amusement devices.** No play or jump on the safety step or near the entrance/exit. No play flip-upside-down on Velcro Wall. No head-down slide on any slide or safety step. No play or jump on the top platform of any slide.
- Ground stakes should follow the specification stated in this manual. If the ground is loose, use longer stakes accordingly. Cover the stake heads properly to avoid falling. Check regularly to ensure they are tight when the inflatable is in use.
- No children 3 years old and under, or less than 42" tall allowed to use any of the inflatable devices
- Do not put fingers or hands into blower when running
- Always leave enough space around and above the inflatable.
- Use proper barriers to prevent crowds to move close to the inflatable device other than the designated area such as entrance and exit
- Follow and sign the "**Pre Operation Inspection Checklist**" with each installation and setup of any inflatable sold by MoonwalkUSA.

## Installation

1. Inspect the location. Find a location that is safe for your inflatable. Select an area which is at least 6' larger than the inflatable's base. Be away from water pool, fire, slope, phone line, tree branches, roots, rocks or other objects that may be unsafe for inflatable operation or may cause damage to your inflatable.
2. In order to avoid damaging underground utility facility while driving stakes, contact utility companies for any underground utility lines.
3. **Always use ground cover** to cut down on the wear and scuffs on the bottom of your inflatable. Place your ground cover in the middle over the site. Leave enough space in the front for easy access at any time.
4. Find the nearest electrical outlet. Use more extension cords when needed to ensure the cord is out of the traffic path. Be aware that long extension cord will increase the resistance of the currency. Check with local electricity regulation and manufacturer suggestion on the length limitation of the extension cord.
5. Unload the inflatable on the back part of your ground cover, with the air tube located to the rear of the location. Unfold the inflatable on the ground cover.
6. If set on grass, use stakes to hold your inflatable in place. If set on hard ground, use sand bags to make the inflatable stable.
7. Stake the inflatable or tie the sand bags to the inflatable before inflating (see *Table of the anchor requirement*). Be sure the stake heads are away from the inflatable to avoid damaging the inflatable while hammering (Check with local government and your insurance company for any specific requirements on how to secure the inflatable). Always cover the stake head to prevent tripping hazard.  
**Properly anchor and secure all the anchors (anchor rings and tie-down straps) provided on each inflatable device using required stakes or sand bags.** Operational automotive equipment or other transportation devices shall not be used as anchorage for any inflatable devices. All the anchor points provided on the inflatable device must be anchored properly before any use of the device. All the stakes must be covered properly to prevent any tripping hazard.
8. Locate the blower on a flat and dry surface in an area away from pathway. Connect the fan cone to the air tube, tie tight with the strap. Adjust the blower's position to let the air tube straighten. **If the inflatable unit has two tubes, use the one that is most convenient, and cost the least obstruction. Fold over the unused tube, secure it with the strap.**
9. Plug the blower power cord into the GFI (Ground Fault Protected Circuit) extension, and then plug the GFI extension into the extension cord. Plug the extension cord into the power source. Check the GFI to ensure operation.
10. Turn the blower on. Observe the inflation of the inflatable as it rises.
11. Check the air tubes to make certain there is no large air leakage. **Do not place fingers or hands into the fan intake or outlet when the fan is in operation. Do not allow any children or adults in the rear of the ride or near the electric blower at any time.**

12. Check for any rips, holes, or damaged seams when the inflatable is fully inflated. The defects may cause the device unsecured or cause further more damage. Repair it before any use.
13. Put appropriate barriers surrounding the device to manage crowds and in accordance with local, state, or federal laws.
14. Put adequate landing material on any landing surface surrounding an inflatable amusement device. The landing material can be, but not limited to, gym mats or the equivalent material.

### **Table of the anchor requirement**

	Tie-Down Ring Anchor		Tie-Down Strap Anchor	
	with Stake	with Weight	with Stake	with Weight
<b>Device under 15' Tall</b>	Min 24" stake with 6" above ground	200 lb	Min 24" stake with 6" above ground	200 lb
<b>Device 15' and taller but less than 20' tall</b>	Min 24" stake with 6" above ground	200 lb	Min 40" stake with 10" above ground	300 lb
<b>Device 20' and taller</b>	Min 40" stake with 10" above ground	300 lb	Min 40" stake with 10" above ground	300 lb
<b>*** If the inflatable device set up on loose soil condition, use minimum 40" stake on all anchor points for any size of inflatable***</b>				
		<b>Anchor with stake</b> 	<b>Anchor with Weight</b> 	



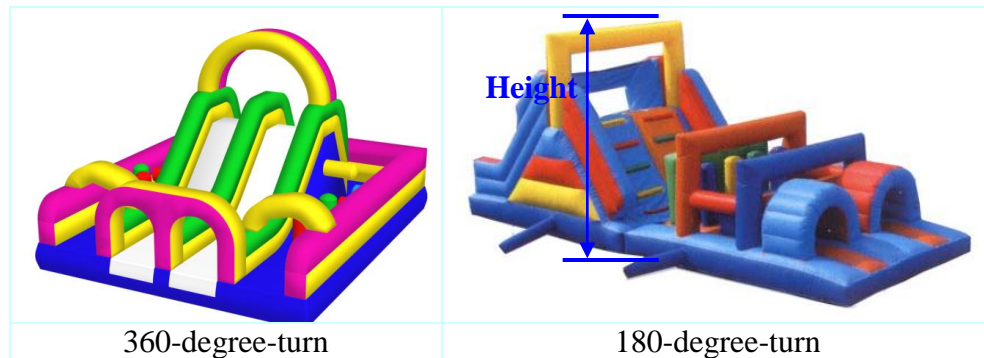
**Note: Anchoring weights and stakes are intended to keep inflatable device from shifting during normal operation. They are not intended to anchor inflatable during high winds. DO NOT operate inflatable in winds above 15 mph. If winds exceed 15 mph during operation, evacuate and deflate immediately.**

## Operating Instruction While in Use

**Check with your local government for any specific rules related with inflatable Amusement safety. Below are safety rules from MoonwalkUSA. These rules should be followed for rider's safety. The operator is ultimately responsible for the injuries that happen on inflatable rides.**

Each inflatable game operator should read and understand the following instructions.



1. Minimum number of operators on an Inflatable slide over 15' high is two (2). Minimum number of operators on an inflatable bouncer and slide less than 15' high (overall height) is one (1). Operators' supervision is required at all times while the inflatable is in use. Minimum number of operators for Joust Arena, Velcro Wall, Boxing Ring, Basketball Play set is one (1). Minimum number of operators for all 180-degree-turn Obstacle course and for 360-degree-turn Obstacle Course that 15' high and higher are two (2), for 360 degree turn Obstacle Course that less than 15' high is one (1).  
360-degree-turn means the entrance and exit is on the same end of the device  
180-degree-turn means the player enters from one end and exit from the other end



2. The inflatable should not be operated if wind exceeds 15 m.p.h, or in rain, snow or lightning conditions, or temperature of less than 40°F degree.
3. All extension cords and straps should be placed in such a manner that no one can trap on them. Also, no electrical cords should run through puddles or near a pool.
4. The operator should let the riders aware of the posted warning sign on the inflatable device.
5. All riders must remove their shoes, eyeglasses and any other hard or sharp objects in their hair or clothing. No food, drink, gum, pet or silly strings and no hanging on the inflatable.
6. Flips, pilling on, wrestling, bouncing against side, bouncing on steps, bouncing on slide, grabbing net, climb on walls or bouncing too close to each other must be prohibit.



7. Be sure children are not holding the netting or leaning on the side walls. The netted windows can be a problem if children are permitted to hold the netting while jumping.
8. Divide the player in groups by similar age and height. Maximum weight per passenger is 200 lbs for all inflatable units. Maximum number of riders of each group that should play in the inflatable devices at one time is:

Size of the Device		Age 8 and under	Age 9 to 12	
BOUNCER	11'x11'	6, or max weight of 600 lb	4, or max weight of 600 lb	
	13'x13'	8, or max weight of 800 lb	5 to 6, or max weight of 800 lb	
	15'x15'	10, or max weight of 1000 lb	6 to 8, or max weight of 1000 lb	
	13'x15'	9, or max weight of 900 lb	6 to 7, or max weight of 900 lb	
	15'x19'	12, or max weight of 1200 lb	8 to 10, or max weight of 1200 lb	
	20'x20'	16, or max weight of 1600 lb	10-12, or max weight of 1600 lb	
COMBO	13'x15', slide on the side of the combo	6, or max weight of 600 lb	4, or max weight of 600 lb	
	13'x17', 13'x18' slide on the side of the combo(Type I)	8, or max weight of 800 lb	5 to 6, or max weight of 800 lb	
	Slide on the front of the combo(Type II), and the base of the bouncer is 13'x13', such as: 13'x20' 13'x23', 13'x27', 13'x28'	8, or max weight of 800 lb	5 to 6, or max weight of 800 lb	
	15'x22' slide on the front of the combo(Type II)	10, or max weight of 1000 lb	6 to 8, or max weight of 1000 lb	
	<div></div> <div>Type I: Slide on the side of the combo</div>		<div></div> <div>Type II: Slide on the front of the combo</div>	
SLIDE	OBSTACLE COURSE	BUNGEE RUN	One player per lane at a time	

9. Operator should check frequently to make sure all buckles on the fans and tie-downs are attached properly and in good condition while operating.
10. Operator should **observe the users of the inflatable device at all time.**
11. Divide children by ages and give each group their own time to bounce, jump or slide. **No children 3 year old and under, or less than 42" tall play on any inflatable device.** Persons with mental or physical impairment should not be

- allowed to use any of the inflatable amusement devices. The allowed player's minimum age for Obstacle Course is 6, minimum age for Velcro Wall is 8, minimum age for Joust Arena is 16, minimum age for Bungee Run is 16, and minimum age for Boxing Ring is 6.
12. If the inflatable is deflated accidentally (i.e. power outage), have all children exit orderly through the door, or emergency roof/ceiling release, or alternate exit. **Do not panic, you will have time to get everyone out safely!**
  13. Operators and attendants shall incorporate the use of whistles or other devices or signal equipment and take appropriate action at the first sign of misbehavior or violation of posted rules.











## **Deflation and Packing Instructions**

1. Inspect both inside and outside for any damage
2. Clean and dry
3. Do not allow any children or adults inside or in the rear of the inflatable.
4. Turn the blower off, unplug the blower from power source
5. Untie the strap of the air tube from the blower. Lay the air tube flat to let the air out. Untie the other air tube if there is one. For slide, tear open the opening pre-sewed on the slide (at the back wall) to fasten the inflatable process.
6. Remove stakes and extension cords
7. You may walk with bare feet on the deflated inflatable unit from front towards the air tubes to let out more air.

## **Folding Process**

1. Check to make sure the inflatable are clean and dry both inside and outside
2. Place the inflatable as flat as possible. Fold in outside walls, base of the inflatable, step, cartoon character towards the middle of the unit. Leaving the bottom edge of the inflatable as the edge.
3. Prior to rolling, make sure at least one of the air tubes is able to let more air out at your rolling process.
4. Fold one-fourth of the inflatable in and fold in one-fourth from the other side.
5. Fold one part over the other part. Step on the inflatable to let out more air. Begin rolling the inflatable from front end to back end. Be sure the roll is straight and tight at the very beginning of the rolling, and at all the rolling process.
6. Near the end of the inflatable, slow down to let out more air. When reach the end of the inflatable, roll back a little bit and fold in the remaining air tubes.
7. Use straps to tie tight around the roll
8. Wrap with wrapping bag

	
<b>Step 1: Lay flat the Inflatable</b>	<b>Step 2: Fold in one-fourth</b>
	
<b>Step3: Fold in one-fourth from the other side</b>	<b>Step 4: Fold one part over the other part</b>
	
<b>Step 5: Start roll from the front</b>	<b>Step 6: Roll all the way toward air tubes</b>
	
<b>Step 7: Fold in air tubes</b>	<b>Step: Tie tight with straps</b>

## Cleaning and Maintenance

- Clear the inside and outside carefully after each operation. It is easier to clean the units in an inflated position.
- Never use chlorine based cleanser or bleach to clean, as they may damage the thread or vinyl.
- Never use M.E.K.(Methyl Ethyl Ketone) to clean the inflatable, as this will damage the vinyl.
- Let it dry before rolling up. If water has been accumulated inside the inflatable mattress and other inaccessible areas, the unit should be inflated outdoors for as long as needed to let it dry thoroughly.
- For long time storage, clean carefully and let the inflatable dry thoroughly.
- Roll up the inflatable tight, store the inflatable on dry surface, use open boxes of moth balls around inflatable to prevent damage from mice and other animals.

## Repairs

Use the repair kit provided with each unit. To repair holes and tears smaller than 12'', follow the "single patch method":

1. Cut an oval or round shape vinyl patch, let it be approximately 2'' larger than the hole.
2. Clean around the hole area
3. Apply glue on the patch and around the hole area
4. Let the glue dry for 3 minutes
5. Place the patch covering the damaged area under pressure (with your palm, or put under heavy objects) for 1 min. Let the glue dry for at least 15 minutes before roll up or inflated.

To repair large hole or tears, do as the follow:

1. Put a patch inside the torn area, repair as described above in "single patch method"
2. After the inside or torn area is repaired, apply another patch to the outside surface, repair using "single patch method" as described above again.

## Pre Operation Inspection Checklist

**The following checklist is to be performed together in the presence of the Owner/Operator and the Renter upon each installation and set up of each inflatable ride and game sold by MoonwalkUSA. Failure to read, understand, and follow these rules could result in injury.**

**Date** \_\_\_\_\_ **Serial Number(s)** \_\_\_\_\_

**Game(s)** \_\_\_\_\_

**Renter Name** \_\_\_\_\_ **Driver/Attendant Name** \_\_\_\_\_

Renter Initials	Owner/ Rep. Initials	Inspection Areas	Comments/ Action Taken
		<b>Inflatable Game(s)</b>	
		Weather conditions are safe for operation of all games	
		Vinyl/patterns clean and free of stains	
		Seams and mesh are secure and in good condition	
		Tie down straps are strong with on breakage	
		Inflatable is staked in place, and will be anchored at all time	
		Inflatable is secured by sand bags, and will be anchored at all time	
		Entrance safety net is secure and in place	
		Entrance/Exits clear of obstructions and will remain clear	
		Warning signs are clear and visible	
		Internal air pressure is sufficient to give a firm footing	
		No debris or sharp objects are present	
		Passageways are clear of obstructions	
		Ropes and footholds are strong and intact	
		Slide area is controlled by overhanging cover	
		Inflatable is clear of any utility	
		If the game is multi pieces connected together, make sure all connections are tight and secured	
		<b>Accessories (If Applicable)</b>	
		Blower is clean, and firmly attached to the inflatable	
		Blower is working and plugged into a GFCI 110V outlet	
		If using a generator, user all manufacturer's guidelines for operation	
		Electrical cords are free from wear and do not pose any trip hazards to patrons or guests	
		Misters are firmly attached and working securely	
		Water source is clean and free of debris and odor	
		Exiting water will drain away from the inflatable unit	
		Boxing gloves are clean inside and out	
		Jousting poles are clean, strong, and secure	
		Fencing is secure and in place	

***I have inspected the inflatable unit(s) and find all items satisfactory and acceptable.***

**Renter Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

## Pre Operation Inspection Checklist

The following checklist is to be performed together in the presence of the Owner/Operator and the Renter upon each installation and set up of each inflatable ride and game sold by MoonwalkUSA. Failure to read, understand, and follow these rules could result in injury.

Date \_\_\_\_\_ Serial Number(s) \_\_\_\_\_

Game(s) \_\_\_\_\_

Renter Name \_\_\_\_\_ Driver/Attendant Name \_\_\_\_\_

Renter Initials	Owner/ Rep. Initials	Operator/Attendant Responsibilities	Comments/ Action Taken
		<b>*Supervision by adult trained attendant is required at all time</b>	
		The Operator/Attendant should point out and make all riders aware of the Rules posted on the game	
		The inflatable MUST BE securely anchored at all time	
		Entry into the inflatable device should be orderly and in a controlled manner	
		<b>Riders should be of similar age range, height, and weight. Do not put older children or adults with younger children.</b>	
		Persons with mental or physical impairment should not be allowed to use any of the inflatable devices.	
		<b>NO:</b> Riders under the age of 3 years old, or less than 42" tall	
		<b>NO:</b> Shoes, eyeglasses, jewelry, or other sharp objects	
		<b>NO:</b> Somersaults, diving, wrestling, rough play, or flips	
		<b>NO:</b> Food, drinks, gum, pets, or silly string	
		Do not jump onto or off of the ride	
		Use of whistles and signaling devices	
		Keep patrons away from the blower at all time	
		<b>DO NOT USE:</b> Immediately deflate the inflatable if wind conditions exceed 15 MPH and or it rains.	
		<b>For Riders with Climbs and Slides</b>	
		Go down the slide feet first only, one rider per lane at one time	
		<b>NO:</b> climbing up the slide the wrong way	
		<b>NO:</b> jumping onto the slide area	
Renter Initials	Owner/ Rep. Initials	Emergency Procedures	Comments/ Action Taken
		In the unlikely event of a severe Weather Alert, Power Failure, or a Medical Emergency:	
		<b>Exit patrons in and orderly fashion away from the game</b>	
		<b>Turn off the blower and unplug from the outlet</b>	
		<b>Keep patrons and guests away from the inflatable</b>	
		<b>Call the appropriate emergency responders if necessary</b>	

*I have been instructed in and understand the Operator/Attendant Responsibilities and the Emergency Procedures listed above.*

Renter Name \_\_\_\_\_

Date \_\_\_\_\_

Owner/Rep. Name \_\_\_\_\_

Date \_\_\_\_\_

## **Ride Safety Bulletin CPSC Issues Important Amusement Ride Safety Bulletin on Inflatable Amusement Rides**

The U.S. Consumer Product Safety Commission (CPSC), in cooperation with the states of Florida, Wisconsin, California and the Commonwealth of Kentucky, has investigated several incidents nationally which involved inflatable amusement rides. The incidents occurred between March 1999 and February 2001 and involved broken bones, head injuries, contusions, abrasions and sprains. Additionally, the Commission is aware of three deaths in previous years. These mobile Inflatable Rides are customarily used at fairs, carnivals and festivals, but are also operated at private fairs and parties through rental agencies. Riders on inflatables vary in age from children to adult.

The commission is aware of nine incidents, which resulted in 21 injuries, on large slide-type inflatables and 33 incidents, which resulted in 33 injuries, with bounce-type inflatables. These incidents were primarily attributable to improper operation, anchoring and set up. Due to the number of injuries and incidents involving inflatable rides and to reduce the number of injuries through a more consistent industry-wide operation of all inflatable amusement rides, the Commission staff issued this safety bulletin.

The Commission requests all owners, operators, state safety officials and those firms that rent inflatables to private parties to closely follow manufacturer's instructions and guidelines for operation and set-up. In addition, the following recommendations should be adhered to:

Inspection procedures and guidelines for safe set-up and operation of inflatable rides may vary from ride to ride or from manufacturer to manufacturer. In addition to the manufacturer's guidance, the CPSC staff recommends the following guidance during inspections:

**Minimum number of operators on an Inflatable slide is two (2).**

**Minimum number of operators on a inflatable bounce is one (1).**

**Maximum recommended weight per passenger is 250 lbs..**

**DO NOT exceed manufacturer's requirements for maximum loads for individual rides.**

**Follow the owner/operator's manual** for site layout, inflation procedures, ropes, tethers, tie-downs, anchors, use temperature range, maximum number of riders, size of riders, electrical codes, daily operation, daily inspection, washing, repair, deflation, drying, storage and transportation.

**ALWAYS anchor rides per manufacturer's requirements.**

The on-ground anchor weight used for the various inflatable ride ranges from 75 pounds (for bounce type rides to 500 pounds (for slide-type rides) for each recommended anchor position. This weight range strongly indicates that an inflatable ride's operator should follow the ride manufacturer's recommendations for proper anchoring.

Place and use anchors at all of the manufacturer's required positions. These anchors can be straight stakes, screw stakes, ground weights or sandbag ground anchors.

Anchor ropes, tethers or tie-downs should be attached to a secure device or permanent structure and attached so that they cannot slip off the top of their stake during use. **DO NOT** attach anchors to motor vehicles.

Ropes, tethers and tie-downs should be sufficiently strong to resist breakage during use. Recommend ½" solid-braided polypropylene rope with a tensile strength of 3700 or 370 lb. test rated.

Identify and use the number and location of tie-downs specified by the manufacturer. DO NOT use non-load bearing positioning loops as tie-downs or anchor points.

Ground stakes should be a minimum of 40" with at least 10" exposed above ground (this will be dependent of surface where set up).

Do not use the inflatable ride above wind speeds that exceed the manufacturer's recommendation. Various manufacturers recommend maximum wind speeds from 15 to 25 mph depending on the ride. However, unload and deflate any inflatable ride when the wind speed exceeds 25 mph.

The inflatable ride should not collapse onto the riders if the power to the blower(s) inflating the ride should unexpectedly fail. Inflatable rides need a sealed chamber to prevent the rapid collapse of ceilings and walls onto the riders if the electric power to the blower(s) fails.

In addition, the CPSE recommends that state inspectors provide this bulletin on inflatable rides to rental companies within their state and that rental companies provide renters with the following materials:

**A training program for the renter for the proper operation of the inflatable ride;**

**A copy of the operation manual (and/or videos, training manuals) for each rental period;**

**A copy of this safety bulletin;**

**A release statement signed by the renter documenting that he has received and understands the ride operation procedures.**

The CPSC requests all state and local amusement ride safety inspectors, insurance inspectors and private contract inspectors, as well as owners and operators of "inflatable amusement rides" to follow and adhere to the above guidance during inspection.

For further information, contact:

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