



Mobile Spider Mountain

With Inflatable Slide and Auto Belay Rock Climb Attachments

Operations Manual

Models: SMM24

Travel Weight with Rock Panel: 3700 lbs

Inflatable Weight: 600 lbs

REVISION 07/20/10

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Welcome

It is with great pleasure that we congratulate you on your Mobile Spider Mountain purchase and welcome you to Vertical Reality. We are excited about our products and feel confident that through proper planning, placement and hard work, the Mobile Spider Mountain will be a rewarding and profitable purchase. Our philosophy is centered on a commitment to excellence in meeting the needs of our customers, providing a quality product that is safe, exciting and profitable. We encourage you to likewise develop a standard of quality and service that makes you the leader in supplying artificial mobile Spider Mountain for the amusement, entertainment and special attractions market.

Our goal is to establish a relationship with your company. One that will promote Vertical Reality and your company, as successful partners, providing entertainment for those who are looking for the best new attraction in the market.

Our part in making our team successful is:

- Commitment to a proper, effective, safe and profitable design.
- Seven days a week customer service support
- Manufacturing to "ASTM F-1159-97a" & **ASTM International F-24**
- **Committee standards as presented in Volume 15.07**, ADIPS, TUV, CE
- Vincotte safety standards for the worldwide amusement industry
Cycle time that generates high profits

Your part in building a successful business using Vertical Reality products is:

- Commitment to safe operation
- Consistent inspection for proper maintenance
- Effective marketing and promotion
- Active promotion of the activity

We are looking forward to a long and prosperous relationship. Should you have any comments or questions, please do not hesitate in calling.

Sincerely,

Ken A Sharkey
Director

Confidentiality Agreement

This manual and the content within this manual are for the exclusive use and operation of the Mobile Spider Mountain product by the owner of the Mobile Spider Mountain and its authorized personnel and for Vertical Reality. This manual is designed to provide accurate and authoritative information in regard to the subject matter covered. This manual may not be reproduced in whole or part in any form or by any means, without the prior written consent of **Vertical Reality**.

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This manual contains proprietary information belonging to Vertical Reality. It is to be viewed only by persons employed by Vertical Reality and/or the Mobile Spider Mountain owner and authorized personnel.

Distribution

This manual is not to be distributed to any other persons other than those actively engaged in the operating and/or marketing of the Mobile Spider Mountain product to customers serviced by the owner of the Mobile Spider Mountain mobile Spider Mountain.

Disposition

This manual is the property of the Mobile Spider Mountain owner and Vertical Reality and must be returned to Vertical Reality upon receipt of an updated manual or discarded.

Revision

Vertical Reality may make periodic additions, deletions and modifications to this manual. These updates will, in the judgment of Vertical Reality., add to the quality of services offered. This manual must be kept up to date, and should reflect all updates currently in use.

Notice of Changes

In the event that revisions are made to this manual, Vertical Reality will send the appropriate pages reflecting such changes as are deemed necessary or replacement document, to the individual for replacement. Any pages that are then outdated must be destroyed and discarded.

In the event of replacement pages are sent, Vertical Reality will provide a cover letter outlining the revision and the effective date of any procedural changes.

Receipt, Acknowledgment and Warrantee Registration
PLEASE FILL IN AND MAIL TO VERTICAL REALITY

This Training/Operations Manual is an important document intended to help you become acquainted with the Mobile Spider Mountain, Vertical Reality, guidelines as to safe and recommended operation.

Please read the following statement and sign below to indicate your receipt and acknowledgment of the Mobile Spider Mountain/Vertical Reality Training Manual.

I have received and read my copy of the Mobile Spider Mountain/Vertical Reality Training Manual. I understand that the information outlined in this manual are subject to change at the sole discretion of Vertical Reality at any time. It is further understood that the owner of the Mobile Spider Mountain has the responsibility to ensure the correct and latest version of the manual is being used.

As an owner of the Mobile Spider Mountain or authorized representative, it is my responsibility to keep this manual up-to-date with any changes that are made by Vertical Reality.

I understand that my signature below indicates that I have received the Mobile Spider Mountain/Vertical Reality training Manual and that I have read it.

Authorized Representative

Date

VIN NO
DATE PURCHASED

The signed original copy of this agreement will be held in the **Corporate Office in Miami, FL**

Company Overview

Vertical Reality is located in Miami, FL is a manufacturer/ distributor of commercial interactive sports and fitness-fun equipment used in the amusement and recreational fitness markets. Designed for fun, VR is a premier provider of commercial action based products to be used in the amusement, fitness and recreation industry. Safely engineered VR products provide maximum revenue while providing thousands of hours of safe and exciting entertainment for your customers.

Mission Statement

To be the premier provider of revenue-generating *interactive sports* products used in the amusement and fitness markets.

Corporate Values

Our philosophy is centered on a commitment to excellence in meeting the needs of our customers, providing a quality product that is safe, exciting and profitable.

Mobile Spider Mountain

Product Overview

Welcome to the mobile Spider Mountain, Vertical Reality's latest in revenue generating interactive sports products designed for the amusement, entertainment, and fitness industries. The Mobile Spider Mountain is designed to meet ASTM F-1159-97a standards for the Amusement Industry. This means that the Mobile Spider Mountain is designed, manufactured, tested, and supported by comprehensive quality assurance and quality control measures to ensure product reliability and safety. The enclosed information is an outline as to the procedures for safe operation and set-up of the product.

Ref: Mobile Spider Mountain device Code Compliance

ASTM F698-94 Physical Information

ASTM F747-97 Definition of Terms

ASTM F770-93 Operation Procedures

ASTM F846-92 Testing Performance

ASTM F893-95 Inspection

ASTM F1 159-97a Design and Manufacture

ASTM F1 193-97 Quality Assurance

Training Overview

This training course is an introduction to the **Mobile Spider Mountain** and its operation. The purpose of this manual is to provide a compilation of information that will assist you in proper and safe operation.

This manual is designed to aid in training you and your associates. The sections within this manual are prerequisite to each other. In other words, the information in section one pertains to the information in section two.

The philosophy of **Vertical Reality** is centered on a commitment to excellence in meeting the needs of its customers and associates by providing them with the enclosed information.

The manual is designed to provide the mobile Spider Mountain owner with the information, tips, and techniques that will help the employees and owner operate the mobile Spider Mountain as effectively and safely as possible. It is no way a total representation of all facts. Safe operation of this mobile Spider Mountain is the sole responsibility of the mobile Spider Mountain owner/operator. Good and reasonable judgment must be used when traveling, promoting and/or operating the mobile Spider Mountain.

Training Objectives

Upon reviewing this training, you will be able to complete the following:

- Explain specific information regarding the background and history of Vertical Reality.
- Understand the process for proper set-up of the Mobile Spider Mountain
- Identify and understand the inspection points for day-to-day maintenance.
- Define and understand the safe operation of the Mobile Spider Mountain.
- Identify and explain the rules for safe usage of the Mobile Spider Mountain.

Description and Materials used

The "Spider Mountain Mobile" is a unique new climbing attraction for all ages that develops motor skills and gives a complete new experience each time it is attempted. The participants climb upwards or downwards through a series of levels of interlaced flexible webbing straps, until either reaching the top level, or descending to the bottom level, where a circular trampoline is sited both to ensure a safe landing and provide a final thrill after the climb. If equipped with the optional slide they can slide down from the top via the slide.

During operation a vertical fall is prevented by the interlaced webbing at each level, ensuring a soft landing over a maximum fall distance of approximately 27.5 inches. By having the webbing in individual strands along with keeping the minimum participant height to 42 inches, the fall height to 27.5 inches it ensures that there is no possibility of a child hanging them-self or stepping on another participant below. The participants are prevented from escaping sideways through the spaces between the main support rings by flexible mesh netting, which is securely connected to the main structural ring components.

Additionally, to prevent any injury to the participants resulting from a trip or fall, the main structural steel components are fully protected by soft padding, should a participant inadvertently fall against these. In other words all contacts between the participants and the device are soft, which ensures that the possibilities of any injuries are minimized. The ride is also supervised at all times, to ensure that over-boisterous behavior is restricted.

- Steel Rings or Vertical posts will always consist of material which will be of an equivalent or greater grade than S235 structural steel.
- Mesh side netting and top netting will always consist of a netting meeting or exceeding the netting specifications for M-1250 HTPP Incord netting
- Trampoline mat will always meet or exceed the specification of Tencate Nicolon 24109/24119 Trampoline Fabric.
- Elastic Webbing will always meet or exceed the requirements of FAR 25.853
- Rope specification: Polyester ¼ inch diameter Min strength of 1900 lbs.
- Padding Specification: Foam tube with a nominal outside dimension of 3.4 inch and nominal wall thickness of .75 inch with a min pre-heat release rate of 28 kW.
- Cable ties specifications: Ultraviolet (UV) Resistant Nylon 6.6, Wide tie body .350" (8.9mm) for improved aesthetics, 124 lb. (550N) minimum loop tensile strength, No protruding head to cause injury since head is inverted.
- If equipped with optional slide :Air Blower : 115 v with a 2 HP motor and a max static air pressure of 9.0 inches and a rated max cfm of 1430.
- Hydraulic DC lifting pump with 3000 psi pressure relief.
- Hydraulic Hose – Rated for 3000 psi.

The Mobile Spider Mountain is the name for the entire system. The mobile unit has been designed to travel down the road in a down/closed fashion. Aerodynamic because of it's hallow shape; the mobile unit should travel relatively easy. As a reminder, please follow any and all rules established by a state or interstate highway system that you would travel in the course of conducting your business or transport of the product. Please abide by all traffic laws and warnings.

Physical Dimensions - The mobile Spider Mountain meets all requirements for physical size as outlined by the Department of Transportation. The dimensions of the Mobile Spider Mountain are: Specifications.

- Width - 8' - 6"
- Height - 11' - 6"
- Length – 24' - 0"
- Weight - 3700 lbs.

Mechanical Engineering Approval - The Mobile Spider Mountain has been designed and reviewed by engineers that stand behind the Mobile Spider Mountain design

Required Personnel - The Mobile Spider Mountain without slide and Rockwall can be operated with only two people. The Mobile Spider Mountain with slide will require three people to operate. The Mobile Spider Mountain with slide and rock wall will require 4 operators.

Hitch and Wiring - To pull the Mobile Spider Mountain you will need a 2-inch ball and a seven- (7)

prong Round Trailer wiring plug. Remember that your tow hitch must be equipped with a 12-Volt charge if you want the battery to charge as you are towing the unit. The trailer is equipped with electric brakes as the standard configuration. The trailer can also be equipped with surge brakes as an option. Please ensure that you have an electric brake controller installed for the electric brakes to work.

Site Selection

- Total operational foot print required for Mobile Spider Mountain with-out slide or rock wall is (12ft wide by 24ft long).
- Total operational foot print required for Mobile Spider Mountain with rock wall attachment is (18 ft wide by 24 ft long).
- Total operational foot print required for Mobile Spider Mountain with slide is (48 ft wide by 24ft long).
- Total operational foot print required for Mobile Spider Mountain with slide and rock wall attachment is (54 ft wide by 24ft long).
- Fencing or blocking of the area is not required due to the fact there are only two accessible exits and one accessible entry way for the patrons.
- Outdoor and Indoor locations should have a slope of 5 degrees or less.
- Outdoor locations should be clear of any overhead obstructions, i.e. trees or power lines by a minimum of 15 ft. Unit must be at least 5ft away from any obstacles located 360 degrees around the unit.
- Indoor locations must have at least 12 inches of clearance from ceiling.
- If equipped with Optional Slide.
 1. Make sure that there is electrical power at the site.
 2. Use of a protective tarp is recommended if unit is going outdoors.
 3. Cover all sharp edges and objects that could damage your inflatable during inflation or deflation.
 4. Place your ground cover sheet over the site where you want the Inflatable to stand if outdoors.
 5. Keep the front of the Inflatable clear and accessible at all times.

Tools & Items Required for Set-up-

- Zip ties and lashing (**Included**)
- Zip tie cutters (**Not included**)
- Qty:6 - 180 lbs sand bags (**Not included**)
- Qty:6 – ½ inch diameter by 18 inch long Stakes for Inflatable (**Included**)

Setting up the Spider Mountain -

Upon parking the Mobile Spider Mountain trailer in place, remove the trailer from Vehicle.

- Rotate all three Jacks by removing their respective pins and re-inserting once the jacks are 90 degrees with the trailer. **Pins must be inserted completely.** Jacks are located at the front and rear of ride. (see Pictures Below)



- Slide out Rear Jack Arms by first removing travel pin and then by sliding out approximately 24 inches until the pin can be re-inserted. Repeat same procedure for opposite side. (see Picture Below)



- Raise the Jacks at the rear of the trailer followed by the front jack. **Make sure that the jack Pins are properly inserted before engaging the jacks.** Jacks should be raised until trailer

tires are approximately 1 inch off the ground.

- Remove Front Travel pin from ride. (see Picture Below)



- If unit is equipped with optional rock wall panel, you must remove pin from davit arm and move to the operating position before raising Spider Mountain. The davit has only two positions a travel position and operating position. The operating position will place the belay cable at the center of the panel. (See picture below in its travel position and when this action is to occur.)



- Locate the hydraulic lift control switch located on the driver's side of the trailer inside the tool box top piece. **Make sure there is proper clearance for the arc of the mobile Spider Mountain before up-righting. Caution: Be aware of -possible over-head obstacles before raising mobile Spider Mountain!** Hold the button secure until the mobile Spider Mountain is fully upright and firmly in place. **DO NOT PUSH AND RELEASE THE CONTROL BUTTON MULTIPLE TIMES WHILE RAISING THE MOBILE SPIDER MOUNTAIN.** Rather, hold the button in continuously until the mobile Spider Mountain is upright. Once the mobile Spider Mountain is up using the leveling jacks, lower the trailer so that the mobile Spider Mountain frame is resting on the ground in whole or in part, maintaining level on the trailer frame. Make sure that only the metal frame is resting on the ground. As an option, if only a portion of the metal mobile Spider Mountain frame is resting on the ground, shim up the portion of the mobile Spider Mountain base not touching the ground with wood or metal shims. Shim only the metal frame! (See Pictures on next page)



At this point, the mobile Spider Mountain should be in an upright and locked position, the structure should be level with the entire Spider Mountain base on the ground. Like the picture above - (using shims if not on even terrain).

Installation of the Optional Inflatable Slide.

- Open and Lay down ground tarp next to the spider mountain if outdoor location.
- Place the base of the inflatable on the center of the ground tarp if outdoors and face the inflatable entrance facing the spider mountain. The entrance is the highest part of the slide.
- The front is normally opposite the blower vent on Inflatable's. So the blower vents must be next to the spider mountain structure.
- Unroll and position the Inflatable on the ground liner with the inflation tube located next to the spider mountain. Note: If rolled up properly, the rear of the Inflatable is the end where you start unrolling.
- Inflatable weighs in excess of 500 lbs. Use caution when lifting and moving to prevent injuries. (see Pictures on next page)



Place the fold of the rolled slide at the base of the Spider Mountain.

- Find the D Rings sewn on each side of the slide at the bottom of the back end.
- Please make sure all vent holes are properly closed. (see picture below)



- Attach (with provided straps) the D ring to the bottom and second ring of the Spider Mountain. (See picture below)



- Locate a GFCI power source with a load rating of at least 15 amps. (See Appendix A for more information).
- Use 3 prong extension cords that are UL and CE approved and not less than 14 gauge.(Indoor only)
- Do not use extension cords for outside use.
- Do not use if cord shows any kind of wear or damage.
- Mark the circuit breaker so it will not be turned off accidentally.
- Make sure any electrical connection points are above water level to prevent shorting out the electrical system in case of heavy rain.
- Make a direct pathway from the power source to the inflatable Blower if possible.
- Be sure the Blower Fan is on a flat and dry surface. Further info listed in appendix A.

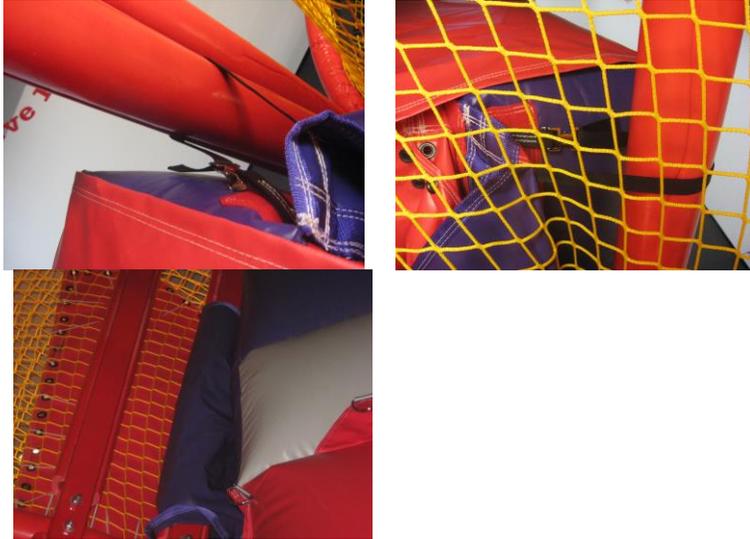
- Connect the Blower Fan cone to the Inflation Tube. Most Inflatable's have two Inflation Tubes. Use the one that is most convenient, or will cause the least amount of obstruction.
- Locate the inflation fan (Blower) in an area that is not in the way.
- Each blower should have its own breaker and/or power source as a safety backup.
- Locate the on/off switch on the Blower Fan and turn it on.
- Inflate the slide, allowing it to rise up to the desired position against the Spider Mountain.
- Watch out for any overhead obstacles that were not seen before.
- Once inflated, check the inflatable for any rips, tears, holes, or damaged seams.
- When properly inflated, all areas of the inflatable will become pressurized and firm.
- Connect all D rings on slide to Spider Mountain structure.
- Total number of D rings will depend on total height of unit(see picture below)



- Climb to the top deck of the Spider Mountain (with all installation items- zip ties, and lashing).
- Unwind the section of netting that is in front of the slide entry. (See Pictures on next page)



- The Spider Mountain uprights will be used for slide attachment.
- Connect the (3) straps sewn to slide sidewall to each steel side support. (see Picture below)



- Secure the vinyl wrap (Velcro) cover around the three support straps on each side (see picture above)
- Install (if not installed) the vinyl “tunnel” to the slide with provided Velcro. (see picture below)



- Position the bottom flap of the tunnel on the metal SM ring and connect with Zip Ties through grommets. Zip Ties go through 2 grommets and around SM ring (Note: only every other grommet requires a Zip Tie fastener- see pictures on next page)



- Secure top flap of tunnel to the upper metal SM ring with provided zip ties. (see picture below)



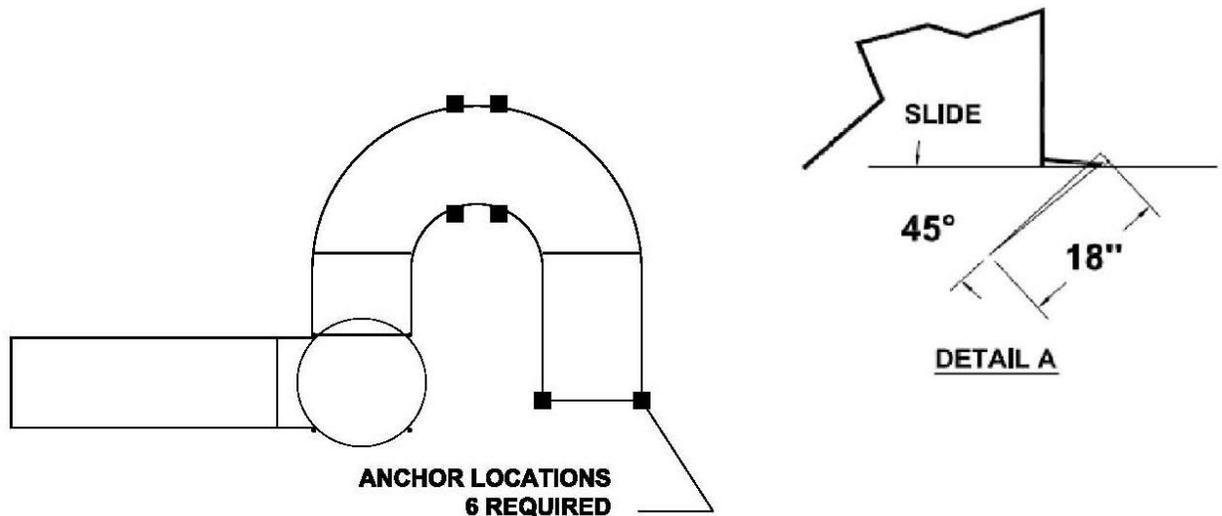
- To align side flaps, connect each corner of the top, left and right side flaps to the netting with small size Zip Ties. (to avoid sharp edges, do not cut end of Zip Ties) (see pictures above and below)



- Using the small zip ties, connect the top and side flaps to the netting by running the zip ties through the grommets and netting.
- Make sure that when complete, there is no opening larger than 4" where the vinyl tunnel connects to the netting. (See picture above)



- Indoor locations do not require any sand bags at inflatable anchor locations.
- For Outdoor locations on concrete or asphalt secure slide with a minimum of 6 - 180 lbs of sand bags at each floor anchor point, for a total of 1080 lbs of total ballast. (see diagram on next page)
- For Outdoor locations on grass secure with a minimum of 6 : ½ by 18 inch long stakes. (see diagram on next page for location and detail A for angle of install).



Completion of Erection Check list and Pre-operation check list.

- Check that all net lashings have been installed and are secure.
- Check that all elastic bands are all installed and secure.
- Check that trampoline mat is installed and secured.
- If equipped with an optional inflatable:
 1. Check that it is properly attached and inflated.
 2. Check that inflatable is properly anchored.
 3. The inflatable vinyl surface is clean and free of damage or tears.
 4. The seams and mesh are free of damage or tears.
 5. The anchoring points attached to the inflatable are in good condition.
 6. The inflatable passageways are clear and unobstructed.
 7. The internal air pressure is sufficient to give firm footing.
 8. There is no debris or sharp objects in or around the inflatable.
 9. The tethers points and tethers are intact and securely connected. (see picture on bottom of page 15)
 10. The inflatable is clear of any overhead obstructions.
 11. The blower is clean without damage or bare wires.
 12. No unusual sounds are coming from the blower.
- If equipped with the optional rock wall panel and auto belay.
 1. The first step is to check that the auto belays are functioning properly, pull the cable to the down position using the attached rope and gently release, if the cable retracts the system has passed the first test.
Absolutely no climbing should be performed on the wall if the auto-belay is not functioning.
 2. Make sure to always inspect the Auto-Belay devices to ensure proper air-

tank pressure (30 to 40 lbs) with all the cables at the top of the wall and 85 to 98 lbs with the cables in the down position.

3. Check oil level in all pressure tanks with the cables at the top. **The appropriate amount of hydraulic fluid is 2 to 3 inches from the bottom of tank with the cables at the top of the wall. Required oil is AW 32 hydraulic oil.**
 4. Check for hydraulic leaks from cylinders, hoses and tanks.
 5. Visually inspect pulleys for each belay station. Check for cracks and broken edges.
 6. Inspect all auto-locking carabineers for proper operation. **Carabineers must auto-lock when released. If they stick open or do not lock positively, replace immediately. Check Carabineers for excessive wear, if worn replace immediately.**
 7. Inspect all rock climbing harnesses for wear, **special attention must be given to the main attachment point.** In addition, check each and every harness to ensure the stitching is tight. If the harnesses are visibly worn or are not functioning as intended discard immediately and replace with new harness. Again, as a matter of precaution, you may want to replace harnesses yearly.
 8. **Cables must be inspected daily. If fraying or rusting has occurred, replace the cable immediately. Inspect the cable ends by the crimps. If fraying or Rusting broken strands, replace immediately. If the cables are kinked or show signs of wear, replace them immediately.**
 9. Check swivels at cable ends for proper operation. The swivel must spin freely and be equipped with both clevis pins and locking rings. If swivel does not spin it needs to be cleaned by blowing compressed air between the body of the swivel and the carabineer attachment point. Followed by a small application of wd-40 or any other quality spray lubricant on the same location.
- Check that all pads are secured with zip ties.
 - Weather conditions are safe for the operation of the inflatable.
 - The entry/exits are clear of obstructions.
 - The warning signs are visible.

Disassembly of unit if equipped with Inflatable slide

- **Remove lashing and zip ties for inflatable entrance at the top of unit. Be sure there is a quality broom or air blower available to sweep the Inflatable surface free of any debris. Check to make sure that no sharp objects have fallen into the seams of the Inflatable, i.e. pens, pencils, etc. Items such as these can cause damage to the Inflatable during the rolling**

up process.

- **Inspect for any damage and repair as necessary.**
- **Do not allow any persons near the rear of the Inflatable or near the electric Blower Fan at any time.**
- **Remove all straps connecting the slide to the spider mountain.**
- **Turn off the blower via the on and off switch.**
- **Unplug the electric Blower Fan at the power source and wrap up the electrical cord. This is to ensure no one can accidentally turn the blower back on.**
- **Loosen inflation tube strap and remove the tube from the Blower Fan cone. Make sure the tube is pulled away from the fan and straightened, so it can be used allowing air to escape during deflation.**
- **Open and secure any deflation flaps on the Inflatable.**
Allow the Inflatable to drop in a natural state. An Inflatable will take between 5 to 15 minutes to completely deflate.
- **Walls may have a tendency to fall outward. These will need to be repositioned back towards the middle of the Inflatable before folding.**
- **Remove all sand bag anchors and attachment anchors from unit .**
- **Remove stakes from ground.**
- **Fold the Inflatable into thirds, one side at a time. Walk down each side and straighten out the fold where necessary. Once you make the folds you will notice that there is air still inside the Inflatable. Start at the front and walk in stocking feet towards the rear of the Inflatable to push out and remove any remaining air.**
- **When completed, the inflatable should be approximately 3-4 feet (depending on inflatable type) in width x the length of the Inflatable.**
- **Inflatable Roll - Before rolling, make sure at least one of the Inflation Tubes is extended from the Inflatable to allow any remaining air to escape. Air will be forced out as the Inflatable is rolled. Remember that inflation/deflation tubes will eventually need to be tucked inward. Flatten end tightly and roll the Inflatable as you would a sleeping bag, keeping outside edges even. Roll the Inflatable all the way and cover any metal rings, buckles and snaps to prevent abrasion to the play area and surface of the Inflatable.**
- **The finished roll will be very heavy and an inflatable strap should be used to secure the roll once complete. Place strap ends between the metal buckles and the inflatable surface to reduce abrasions to the Inflatable**

while in transport and storage.

- **Stand Inflatable up on its end, placing storage bag over it and cover. Work Inflatable Bag down to bottom, then stand it on the opposite end and close the bag.**

Larger Units will use an Inflatable Wrap that the Inflatable can be easily rolled onto. Inflatable Wrap panels are then pulled over the Inflatable and secured with ties.

Takedown of the mobile Spider Mountain structure –

- Upon the end of an event or use of the mobile Spider Mountain, please follow the following steps to ensure safe and proper takedown of the Mobile Spider Mountain.
- Make sure no one is inside or near the ride.
- Raise the mobile Spider Mountain off the ground using the trailer jacks until trailer tires are approximately 1 inch off the ground.
- After ensuring that it is safe to lower the mobile Spider Mountain and that there is proper arc clearance, press the switch in the down position and hold firmly. Again, make sure to keep the switch lever in the down position until the mobile Spider Mountain has completely rested in the saddle before letting off of the switch. Again, **DO NOT PUSH AND RELEASE THE CONTROL LEVER MULTIPLE TIMES WHILE LOWERING THE MOBILE SPIDER MOUNTAIN.**
- Lower the trailer to the ground and ensure that the leveling jacks are retracted completely. Once retracted remove pin and turn jack to the travel position i.e. parallel to trailer frame and re-insert jack pin securely. (see Picture below)



- Remove rear Jack arm pins and slide jack arm back in for travel and reinsert pin. (see Picture on next page)



- Now that the mobile Spider Mountain is down, insert the travel pin provided with the mobile Spider Mountain to ensure the mobile Spider Mountain will not bounce or accidentally rise, due to wind, while traveling. (see Picture below)



- Once the Mobile Spider Mountain has been properly lowered it can be re-attached to your tow vehicle. Make sure that the hitch lock is secure. You can now connect your trailer plug for lighting and attach your safety chains.
- If equipped with optional rock climbing wall you must move the top davit arm to the travel position. The davit will now be pointing towards the center of the structure and not the side when this is done.
- As always, make sure to obey all traffic laws and regulations.

Weather Considerations

Wind

- **DO NOT operate or allow any participants in the mobile Spider Mountain if wind speeds exceed 30 mph.**
- **Spider Mountain must be lowered if wind speeds are expected to exceed 30 mph. It is not necessary to remove Spider Mountain from location.**

- Do not set up or operate in inclement/severe weather .
- **Do not set up or operate in extreme high temperatures.**
- **If equipped with optional slide:**
 1. For set ups other than grass or carpet, make sure the set up area is level and swept clean and free of all debris and use a protective ground tarp for the inflatable.
 2. Set up the ride a safe distance away from obstructions that could damage or interfere with the safe operation of the inflatable. Set up inflatable a minimum of 5 ft away from obstructions such as, but not limited to: water, trees and shrubs, buildings, walls, and other structures.
- It is the responsibility of the operator, owner or other responsible party to be aware of weather conditions and make the appropriate call for closure of the mobile Spider Mountain if necessary.

Lightning

- **DO NOT operate if thunder is heard less than 10 seconds after seeing lightning.**

Rain

- Spider Mountain can be operated in light rain with-out any adverse effects.
- Spider Mountain with inflatable can be operated in light rain with-out any adverse effects.
- Spider Mountain with climbing station can be operated in light rain with-out any adverse effects.

When closure of the mobile Spider Mountain is necessary, **we recommend** that the mobile Spider Mountain be in the down position

Inspections and Preventive Maintenance & Wear Limits Checklist.

Daily Inspections

- **Check and replace elastic bands if needed (see Picture)**
- **Check that each level with webbing has at least 34 bands.**
- **Elastic wear limits: Replace when broken**
- **To replace elastic first remove broken strand and take note of its original orientation. We then measure the distance the elastic was installed and cut approximately 70 percent of the distance for the new elastic. Secure the elastic on one end via knot and stretch to original location to tie the opposite end.**



- **Check netting, lashing and zip ties (see Picture below)**
- **Netting Wear limits: Two or more broken strands will require net replacement.**
- **To replace net remove old lashing by cutting it from chain and remove damaged level.**
- **To re-install level, place the net in position and hold in place with 6 to 8 zip ties around the top of the net.**
- **Begin installing lashing through the top of the net & chain like a snake and secure via knot every 4 to 5 ft. Lashing should pull the net very close to the chain. Repeat procedure for bottom of net. Remove initial zip ties and inspect. There should be little to no gap between the net and chain.**



- **Check padding and replace or repair if needed.**
- **Padding Wear Limits: Replace when broken or ripped.**



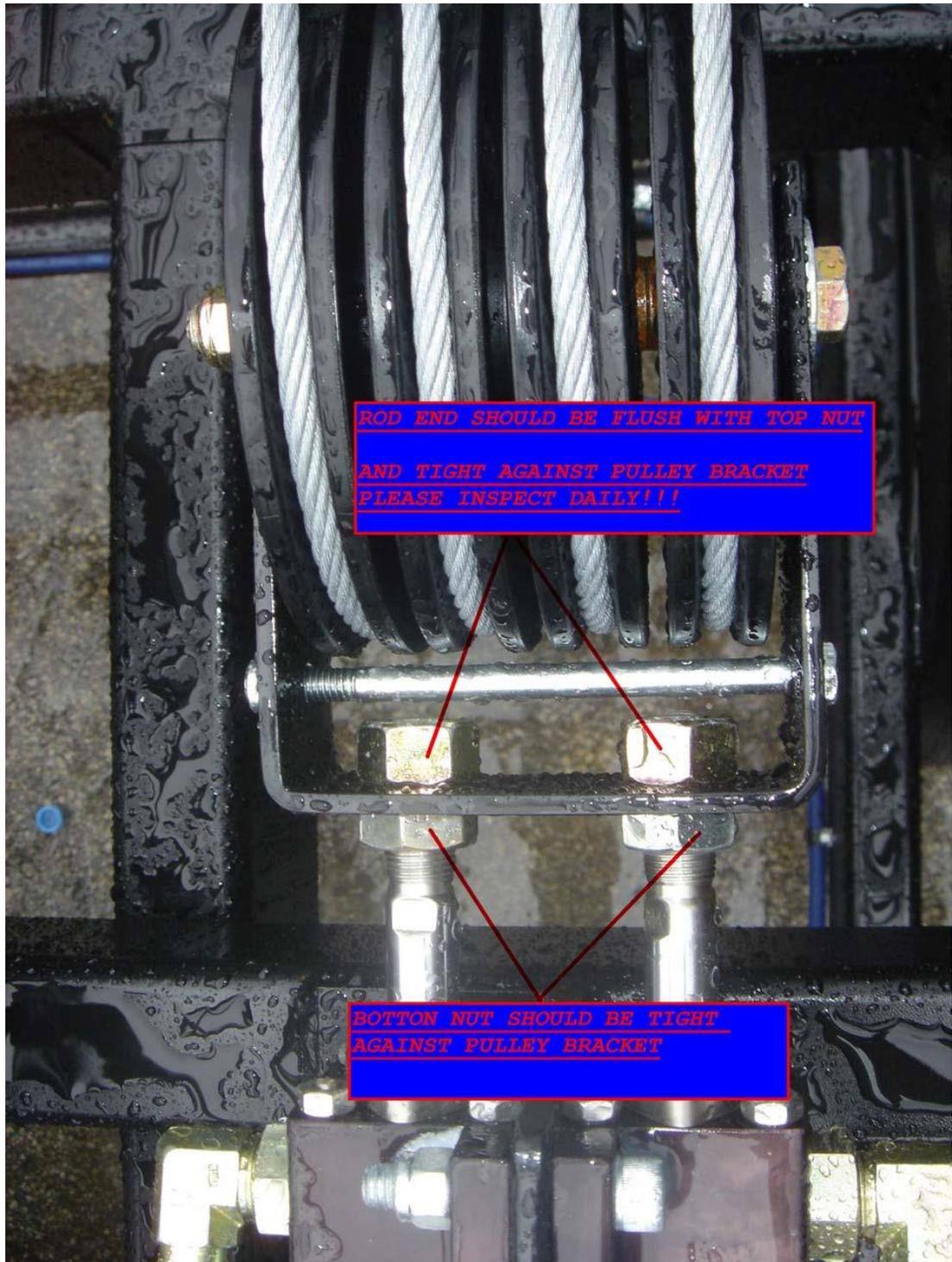
- **Check trampoline pad and lashing, replace or repair if needed (see Pictures below)**
- **Lashing is installed in a zigzag manner through the pad and chain and secured via knot to the chain every 3 to 4 ft.**
- **Trampoline wear limits: Replace if any one hole is larger than an inch in diameter.**
- **Trampoline lashing limit: Replace any broken lashing. Lashing is installed by running the lashing through the mat ends and chains see picture below.**
- **Check Padding on entire unit, replace if torn. (To replace padding, begin by removing old padding by cutting old zip-ties. Padding has a slit down one side to fit over the rings or uprights. Secure new padding with zip ties every 24 to 32 inches.**



- **If equipped with optional inflatable slide:**
 1. **Clean and dry the inflatable unit after each use.**
 2. **Make sure the interior is clean and free of debris**
 3. **Check that vinyl panels are clean and free of holes and stains.**
 4. **Internal air pressure is sufficient to give firm footing.**
 5. **Inspect anchoring and tether points to ensure they are functioning and free of damage.**
 6. **Inspect stakes for inflatable.**
 7. **Check that sand bags are secured to anchor points and are not leaking any sand. Replace if sand bag is leaking.**
 8. **Check that all stakes are secured and tight and Installed according to diagram on top of page 16.**
- **If equipped with optional rock climbing wall:**
 1. **The first step is to check that the auto belays are functioning properly, pull the cable to the down position using the attached rope and gently release if the cable retracts the system**

has passed the first test. **Absolutely no climbing should be performed on the wall if the auto-belay is not functioning.**

2. Make sure to always inspect the Auto-Belay devices to ensure proper air-tank pressure (40 to 50 lbs) with all the cables at the top of the wall.
3. Check oil level in all pressure tanks with the cables at the top. **The appropriate amount of hydraulic fluid is 2 to 3 inches from the bottom of tank with the cables at the top of the wall. Required oil is AW 32 hydraulic oil.**
4. Check for hydraulic leaks from cylinders, hoses and tanks.
5. Visually inspect pulleys for each belay station. Check for cracks and broken edges.
6. Inspect all auto-locking carabineers for proper operation. **Carabineers must auto-lock when released. If they stick open or do not lock positively, replace immediately. Check Carabineers for excessive wear, if worn replace immediately.**
7. Inspect all rock climbing harnesses for wear, **special attention must be given to the main attachment point.** In addition, check each and every harness to ensure the stitching is tight. If the harnesses are visibly worn or are not functioning as intended discard immediately and replace with new harness. Again, as a matter of precaution, you may want to replace harnesses yearly. The Maximum life of the harness is three years from first use. You must keep track of the age of the harness.
8. **Cables must be inspected daily. If fraying or rusting has occurred, replace the cable immediately. Inspect the cable ends by the crimps. If fraying or Rusting broken strands, replace immediately. If the cables are kinked or show signs of wear, replace them immediately.**
9. Check swivels at cable ends for proper operation. The swivel must spin freely and be equipped with both clevis pins and locking rings. If swivel does not spin it needs to be cleaned by blowing compressed air between the body of the swivel and the carabineer attachment point. Followed by a small application of wd-40 or any other quality spray lubricant on the same location.
10. Check top davit pulley for signs of wear, replace if necessary.
11. **Auto bailey Piston head bracket, must be inspected. Rod end should be flush with top nut and both nuts are tight against pulley bracket. If nuts are loose they must be re-tightened. (See picture on next page)**



- Check that all pins are installed. Ride is equipped with three safety pins
QTY: 1 ½ inch by 5 inch Clevis Pin
QTY: 2 5/8 inch by 5 inch Clevis Pin

- **Check that all three Jacks are in working order and that the security pins are still attached.**

Mechanical Inspection:

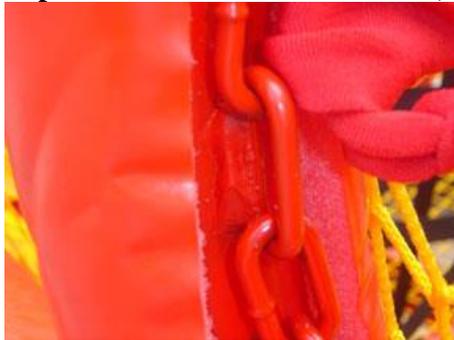
The safety check needs to be performed and we recommend a daily safety check sheet be filled out as mentioned above before every day of operation. These sheets then needs to be kept on file on site for random audits by either park officials or Vertical Reality representatives at all times.

Employee Documentation.

Documentation of employee training and status as well as a list of each employee have address and phone number. A training manual is to be on site at all times; Copies of this documentation are also to be handed out to Park's Games Department Management, to the Site Manager, and to a Vertical Reality Representative.

Monthly Inspections

- **Inspect welds on frame and chain.** (see Picture below)



- Inspect Hydraulic Pump and ensure all Hydraulic connections are free from leaks.
- Check Fluid level in tank, fluid should be $\frac{3}{4}$'s of the way full. (Required Fluid is 32 weight Hydraulic Fluid)
- Inspect all electrical connections on Hydraulic pump and re-tighten if necessary. (see Pictures below)



- Check Fasteners that attach trailer to Spider Mountain and re-torque if necessary. QTY-10: ½ inch by 3 inch Grade 8 Bolt. (see Picture Below)
QTY-10: ½ inch Grade 8 nylon lock nuts.
Bolts must be torque to 95 ft-lbs.
- Inspect Hydraulic rams for leaks.



- **If equipped with optional inflatable slide:**
 1. **Check inflatable for stains and clean if necessary.**
 2. **Check for tears and repair if necessary.**
- **If equipped with optional rock climbing wall:**
 1. Check pulley Movement and also check the condition of the welds on the pulley brackets and the pulley bar that attaches to the hydraulic cylinders, if there is evidence of rust please clean and inspect that the welds are still 100 %.
 2. Check the entire belay system frame for cracks.
 3. **Auto bailey Piston head bracket, must be inspected and nuts checked for tightness. All ½ bolts must also be inspected for rust and condition. If replacement is deemed necessary it must be replaced with a grade 8 bolt only and nylon jam nut.**

YEARLY INSPECTIONS

- **Replace auto belay cables every year, cables must be purchased through Vertical reality manufacturing.**

Cleaning Of Inflatable

- Do not use chlorine based cleanser or bleach to clean any part of the ride as this may damage the threaded seams, trampoline mat, netting and fire resistance of the items mentioned.
- Use water and/or an approved cleanser sparingly by “sponging” it onto the Inflatable surface. Excessive water may penetrate the seams and collect inside the Inflatable causing mildew and unwanted odors to occur.
- Blowing air through the ride will help dry the interior. Baking soda will help remove mildew and odors.
- Never roll up or pack the inflatable while damp, unless you plan to dry it that same day before storage.

Repair of Inflatable slide

- Holes and tears up to 12 inches can be repaired with patch material and vinyl glue provided with the inflatable .
- Cut a patch that is 3 inched larger, on all sides than the cut or tear. Cut the patch material in a round or oval shape.

- Clean the area around the hole or tear and let dry.
- Apply a liberal amount of glue to both the patch material and the tear area.
- Let the glue stand for three minutes.
- Place the patch over the damaged area and press firmly make sure that the all of the patch material is in contact with the vinyl around the damaged area.
- Applying weight to the patch will enhance the integrity of the repair and allowing the glue to cure for several hours is best.

NDT requirements

- Rides will require a 100% visual inspection at three years of age by a certified welder. Particular attention to all the structural welds on the trailer and metal condition.
- Rides will require a 100% visual and 30% magnetic particle test at five years of age by a certified testing company.

Wear Dated Items

- Elastic Bands
- Zip Ties
- Padding
- Netting

SPIDER MOUNTAIN DAILY CHECK LIST	
Check all that apply	
DATE	
SERIAL #	
OWNER	
Check and replace elastic bands if needed	
Check netting, lashing and zip ties	
Check that every ring with webbing has at least 34 bands	
Check padding and replace or repair if needed	
Check trampoline pad and lashing, replace or repair if needed	
Clean and dry the inflatable unit after each use	
Make sure the inside of inflatable is clean and free of debris	
Check that vinyl panels are clean and free of holes and stains	
Inspect anchoring and tether points to ensure they are functioning and free of damage	
Check that the blower is supplying enough internal pressure to provide firm footing and proper inflation	
Inspect inflatable, blower look for any damage or any strange noises while operating	
Check that the inflatable stakes are tight in the ground	
Check that the sand bags are properly attached	
Check the sand bags for leaks	
Check Cable for signs of rust total length	
Check cables for signs of fraying or broken strands	
Check cables for kinks	
Check that all hoses are tight on belay system	
Check swivels	
Check all Safety pins	
Check all Jack stands	
Check oil level in belay tank with cables at the top (Level has to be 2 to 3 inches from the bottom of tank)	
Check pressure in belay tank with cables at the top (Operating pressure is 40 to 50 psi)	
Check Belay system for proper operation	
Check Cable Crimps	
Cables retracting evenly and smoothly	
Check for rust on belay cylinders	
Check welds on top pulley bracket assembly	
Check pulley for cracks or broken edges	
Carabineers working and not worn out	
Check nuts that attach pulley bracket to rod ends	
Replace broken/cracked handholds on rock panel	
Check handhold bolts and tighten if loose	
Date of last cable change	
Harnesses in good shape no signs of loose stitching	
Inspectors Name:	
Phone number:	
Signature :	

SPIDER MOUNTAIN MONTHLY CHECK LIST	
Check all that apply	
DATE	
VIN NO	
OWNER	
Inspect welds on frame and chain	
Check all 10 fasteners that attach the spider to trailer and re-torque. There are 5 fasteners on each side please look at the picture at the top of page 27 for help. (Re-torque to 95 ft-lb's)	
Inspect seams for holes, tears or broken threads	
Check that mesh window panels are intact and free of holes or damage	
Inspect anchoring and tether points are functioning and free of damage	
Ropes and footholds are securely attached	
Warning signs are clear and visible	
Entrance and exits are secure and free of damage	
Accessories and covers are intact and free of damage	
Check the entire belay system frame for cracks	
Check pulley Movement and also check the condition of the welds on the pulley brackets and the pulley bar that attaches to the hydraulic cylinders	
Notes:	

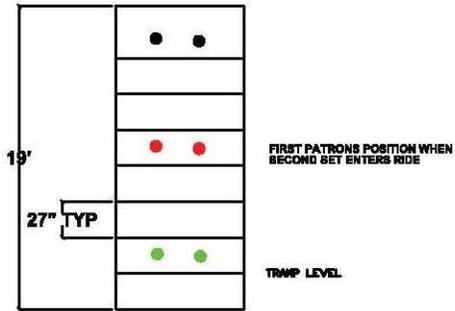
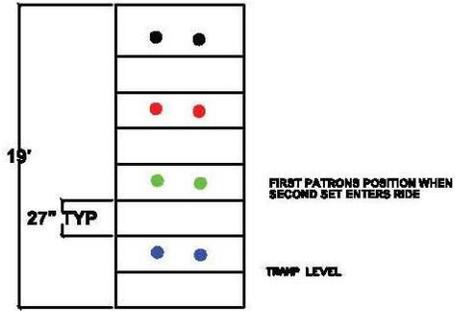
Inspectors Name	
Phone number	
Signature	

Operator Guidelines & Responsibility/Duties of Operator.

All operators must have read and understand the instructions in this manual and receive training by their supervisors prior to the operation of the inflatable.

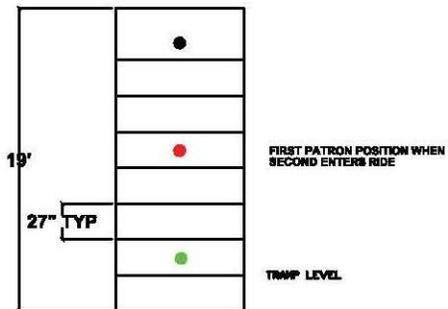
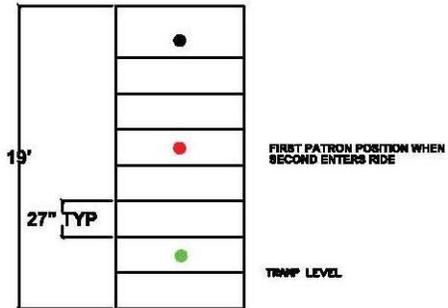
- Do not allow riders without the proper supervision present.
- **Two operators required for Spider Mountain with no options.**
- **Three operators required at all times if equipped with optional inflatable. One operator at the entrance of the structure the other at the inflatable slide entrance and a third person at the inflatable slide exit.**
- **Four operators required at all times if equipped with both the inflatable slide and rock climbing wall. The rock climbing wall requires a dedicated operator.**
- **The duty of all operators is to ensure that all rules and guidelines mentioned are followed.**
- **Operators must be 18 years or older and physically able to climb up the structure if required.**
- **Operator must have a weight scale present to weigh the participants and follow the matrix below.**
- **Operator must have a tape measure present to measure participants.**
- **Operators must be able to give verbal commands and instructions to patrons at all times.**
- **Participant Matrix for 19ft and taller Spider Mountain.**

VR Spider Mountain Rider Matrix	30lb to 60lb rider	61lb to 100lb rider	101 lb to 175 lb rider	101 lb to 250lb rider
Max Number of riders per level	2 per every other level	2 per every-third level	1 per every-third level	1 per every third level
Maximum number of total riders	8	6	3	3
Height Range	42" to 60"	61" to 67"	68" to 72"	72" to 74"



- 1ST SET OF PATRONS
- 2ND SET OF PATRONS
- 3RD SET OF PATRONS
- 4TH SET OF PATRONS

LEGEND



ANNEX C

- **Maximum weight allowed inside the unit is 2380 lbs.**
- **Participants should remove their shoes and all Jewelry.**
- **Ensure loose clothing is secured and participants must empty pockets of loose objects e.g. coins, mobile phones etc.**
- **Anyone with long hair must tie their hair into a pony tail.**
- **No horseplay or fighting allowed. Operator should first instruct patrons to stop with a warning. If warning is not followed, operator must ask patron to exit the ride.**
- **Try to limit groups of the same size kids at a time.**
- **Only allow three patrons in at a time until the first level is clear for the next three until max occupancy is achieved.**
- **The weight range for the mobile Spider Mountain is 30 - 250lbs & with a Minimum Height of 42" and Max height of 72". No age limits.**
- **Operator must not allow any gum chewing inside the Ride.**
- Confirm the number of attendants required for the ride.
- Make all riders aware of safety rules.
- Operator should make sure that no one enters the Inflatable with shoes on, eyeglasses, or sharp objects in their hair, clothing or on their person.
- No Flips, somersaults, diving, rough play, or running.
- Do not allow food or drinks into the ride
- Do not allow animals into the ride
- Operator should point out and make participants aware of the posted warning and safety rules.
- Operator should observe persons at all times while they are on an inflatable.
- Operator should be close enough to be able to warn against improper behavior
- Operator should ask anyone doing these things, after being warned once, to exit the Inflatable.
- Operator should watch for signs of deflation such as sagging, excessive wrinkling, or distortion. If these are observed, they should ask participants to exit the Inflatable safely and remain calm, as there is no danger.
- Operator should keep all spectators outside the Inflatable and maintain at least a 5-foot perimeter away from it.
- Operator must be familiar with all State and Local guidelines pertaining to the use and operation of Inflatable's in their area.
- Cease operation in winds in excess of 30 m.p.h.
- Cease operation in stormy or severe weather.
- Do not operate inflatable in total darkness.
- Check the Blower Fan/Inflation tube regularly to ensure there isn't any air leakage around fan cone.

- Enforce the maximum occupancy rule for the Inflatable which is two participants at a time.
- **IMPORTANT:** If power should go off during the time that participants are on the inflatable, Attendant should direct the evacuation of all inflatable Participants from the slide. The attendant at the slide entrance, top of spider, has to secure the entry to the slide and instruct all patrons to climb down the spider mountain. The attendant at the slide exit should make sure no one is left on the slide and help the patrons out of the ride via the entry/ exit level.
- ***Guide Lines for optional rock climbing wall***
 1. Climbers stay within the respective climbing route, generally marked with different color handholds. If matching handholds, the four-foot area directly under the belay cable outlines the climbing area.
 2. No swinging from side to side.
 3. No stepping on the belay cable.
 4. No climbing if cable does not retract.
 5. Communications with the operator only, no distracting other climbers with idle conversation.
 6. When rappelling, keep the kick-off distance to a minimum (approximately. 3 feet from wall).
 7. No climbing with shoes without toes or toe protection (i.e. no sandals, thongs, etc.)
 8. DO NOT allow a climber to climb beyond the wall top. A climber should never climb higher than chest high to the top of the wall.
 9. The weight range for the wall is 40 – 250 lbs & a Minimum Height of 42”.
 10. Do not allow someone to sit and bounce on the belay cable when finished rappelling. Have them rappel onto their feet.
 11. As a note, it may be necessary for the climbing coach to climb the wall to retrieve a child who may be frozen in place afraid to come down after they have climbed to whatever height.
 12. By way of recommendation, as the climber climbs the wall, the belay coach/ operator should be interactive by offering positive words of encouragement and possible hand or foothold selection. As a climber rappels after having climbed to the top, make sure the area on the ground is free of any individual who could possibly get in the way of the repelling climber. The distance we recommend approximately. Eight (8) feet from the front surface of the mobile climbing wall. The only person who should be in this eight-foot area is the climbing coach. Upon the completion of a climb, the climber must wait for direction from the climbing coach before proceeding to the harness area for removal of the climbing harness. Likewise, the upcoming climber must be advised by either the climbing coach or the second person ensuring proper fitting of the harness before proceeding to climb on the wall. This will ensure that a rappelling climber will not descend onto an upcoming climber. ***As an additional note, although Climbing Helmets are not required, we strongly recommend their use.***
 13. Have climbers form a line and use the following instructions for putting on and taking off:
 - Untangle the harness ensuring that there are no twists.
 - Identify the front and back, the front has the large stitched loop for the carabineer.
 - Step into the loops of the harness and pull them up to the tops of your thighs.
 - Buckle the waistbands securely and leave at least 3 inches of nylon pulled out.
 - Tug the harness to ensure it is comfortable and secure.

Owners Responsibility

Employee Documentation:

Documentation of employee training and status as well as a list of each employee home address and phone number. A training manual is to be on site at all times; Copies of this documentation are also to be handed out to Park's Games Department Management, to the Site Manager.

- The owner must insure that proper training and safety practices are being followed at all times. The purchasers / owners must ensure that the operator understands and follows all procedures in the manual.
- A certificate of training must be filled out and completed to ensure compliance. Owner should make sure all weekly, monthly and yearly maintenance is performed and that a service sheet be completed and filed for future reference.

POSTED RULES AND SAFETY SIGN FOR PARTICIPANTS

- **Participants must remove their shoes and all Jewelry for Spider Climb.**
- **Please read all safety rules.**
- **Ensure loose clothing is secured and empty pockets of loose objects e.g. coins, mobile phones etc.**
- **Participants with long hair must tie their hair into a pony tail for Spider Climb.**
- **No horseplay or fighting allowed. Failure to comply will be cause for removal from attraction.**
- **No Flips, somersaults, diving, rough play, or running**
- **You must weigh between 40 - 250lbs & have a Minimum Height of 42" and a Max height of 72". There are no age limits.**
- **For Rock climbing wall:**
 1. You must weigh between 40-250 lbs & have a minimum height of 42".

2. No swinging from side to side.
 3. No stepping on the belay cable.
 4. No climbing if cable does not retract.
 5. When rappelling, keep the kick-off distance to a minimum (approximately. 2 - 3 feet from the wall).
 6. No climbing with open toe shoes (i.e. no sandals, thongs, etc.)
 7. Climber must never climb higher than chest high to the top of the wall.
 8. Do not sit and bounce on the belay cable when finished rappelling.
- Only similar age groups should play together. Do not mix age groups. Riders should all be of compatible age and size.
 - **Do not Participate If You**
 - Have had back, neck or heart problems.**
 - Have broken bones, are pregnant.**
 - Have physical or medical problems.**
 - Have limb problems.**
 - Are under the influence of drugs or alcohol.**
 - Unsure of your general Health.**
 - **No gum chewing allowed inside or around attraction.**

Spider Mountain Emergency Evacuation Procedures

In the event of an unforeseen accident inside the unit or a sudden change in weather. Operator should instruct all occupants below the accident level to calmly exit the Spider Mountain and all occupants above to evacuate through the inflatable slide. If someone requires assistance, the operator must climb inside of the unit, this will allow the quickest response time to an injured patron. It is the operator's responsibility to assess the injury of the patron in the extremely unlikely event of an accident and determine whether to wait for professional help i.e. 911(paramedics) or assist the patron down by staying as close to the edge as possible. In the event of a child becoming frightened or panicking (**NOT AN INJURY**) the operator should climb to the child and help him or her exit the ride via the entrance or the inflatable slide. In the event of a power failure, the operators are to instruct everyone to calmly exit the slide via the bottom level. Operator at slide entrance must remain there until all participants have exited the ride.

Owner / Operator: Risk Assessment

WHAT ARE THE HAZARDS WHICH MAY CAUSE:	Who/what may be harmed?	What is done now?	How bad is the risk?	What needs to be done?	By When?
Fall from height through webbing rings	Participants	Descend one level at a time. Use webbing levels to halt rapid descent. Matting provided to break a fall and prevent injury on lowest ring	LOW	Observe safe practice by listening to climbing and descending advice.	Ongoing
Descending onto other climbers	Participants	Good observation by climbers whilst descending	LOW	Observe safe practice by listening to climbing and descending advice. Shoes removed prior to climbing	Ongoing
Attempted exit through side / top netting	Participant	Observe safe practice by listening to participation advice. Safety side / top netting is not part of the climbing experience.	LOW	Regular inspection of netting integrity and securing straps	Ongoing
Minor bodily injury to other climbers	Participants	Consider safe route to ascend / descend away from other climbers. Good observation by climbers at all times	LOW	Observe safe practice by listening to climbing and descending advice. Shoes removed prior to climbing	Ongoing

WHAT ARE THE HAZARDS WHICH MAY CAUSE:	Who/what may be harmed? <small>(give specific groups of people e.g. staff, visitors, contractors, pupils, residents, cleaners, disabled etc and estimate numbers; include significant property damage)</small>	What is done now? <small>(i.e. provision of training, corporate and local standards complied with, existing codes of safe working practice, protective equipment, guarding, supervision, monitoring systems, specific assessments under health and safety regulations, e.g. COSHH, DSE, noise manual handling, fire etc)</small>	How bad is the risk? <small>(Evaluation of risk: LOW MEDIUM or HIGH)</small>	What needs to be done? <small>(What action should be taken or needs to be considered in order that the risks identified are effectively controlled)</small>	By When? <small>(What is the target date for completion)</small>
Injury caused due to contact with metal ring assembly	Participant	Padding installed to protect inadvertent contact with the metal framework	LOW	Ensure padding is secure and no metal framework exposed within the climbing area	Ongoing
Injury to climber caused by loose clothing, jewellery or spectacles	Participant	Ensure loose clothing is secured and dangling jewellery and spectacles are removed to avoid potential hang-ups or injury when climbing through webbing	LOW	Observe safe practices. Use storage boxes provided for jewellery, spectacles, security tags etc.	Ongoing
Head injury from falling objects	Participants	Empty pockets of loose objects e.g. coins, mobile phones etc.	LOW	Use storage boxes provided for jewellery, valuables, mobile phones etc.	Ongoing
Falling/Injury due to breakage of a webbing band	Participants	Multiple individual webbing bands per level ensure adequate support in the event of a single band breakage. Fabric bands are 'soft feel' and reduce potential whiplash injury.	LOW	Check banding for excessive wear at fixing points and along the length of the bands. Replace as required.	Ongoing
Injuries occurring during unsupervised use / access	Participants	Restrict access when not in use.	LOW	Lower the Spider into horizontal position if not in use. Secure elevation switch.	Ongoing

Entertainment Tips

Never forget that your Mobile Spider Mountain is a fun attraction and will draw attention. Use this unique feature to book company picnics, birthday parties, corporate promotion events, special events, public attractions, fairs and festivals to name a few. Never forget that the mobile Spider Mountain can be equipped for corporate advertising generating revenue up and above the charge by the climb revenue.. The Mobile Spider Mountain is a product designed for fun!

Marketing ideas to Consider

This information is in no way comprehensive. It is a dynamic list that keeps growing. However, for the purpose of brainstorming and generating ideas, the following are marketing considerations.

- Corporate Sponsorship
- Sports Event Marketing
- Fairs
- Parties
- Charity Events
- Graduation Parties
- Tourist Attractions
- Trade Shows
- School Events
- Amusement Park Lease
- Street Festivals
- Radio and Television Station promotion
- Etc.

Make sure to work with your local Chamber of Commerce, Convention Bureaus, Non-profit Organizations and Advertising/Public Relations Firms to ensure your mobile Spider Mountain is marketed to its fullest.

Conclusion

This guideline has been written to assist in the proper installation and operation of the Mobile Spider Mountain. Vertical Reality has tried in its best effort to address relative issues; however, there will additional information learned or situations that occur that we are unaware of at this time. Please, do not hesitate to call seven days a week with any technical question. Remember, there may be questions, issues and/or concerns that may arise through the use of this product that are not listed or addressed in this manual, please keep us informed. It is the responsibility of the owner and/or operator of this product to contact Vertical Reality. If any questions or concerns arise. As with any amusement device, physical harm can occur and operators and participants must realize that this product is a physical activity and that proper care should be taken to ensure safety. Please exercise good common sense and good judgment while operating and transporting the Mobile Spider Mountain.

Warranty (from date of invoice)

WARRANTIES. Seller warrants that all Goods shall be free of defects in material and workmanship ROCK MOBILE SPIDER MOUNTAIN products have a limited one-year warranty on the climbing mobile Spider Mountain systems including the frame, trailer and panels. Warranty does not include consumables (harnesses, handholds, cables, pulleys, Batteries, tires these are covered by the individual respective manufacturer's warranties). We have a 90-day warranty on electronics, 30-days on labor, 90-day on parts. This warranty does not apply towards normal wear and tear on products nor does it apply towards misuse on products. Auto-belay systems are warranted for the original purchaser(s) for one year (does not include auto-belay cable or pulleys).

The Seller makes no warranties, expressed or implied, except as specifically stated above. SUCH WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, WRITTEN OR ORAL, STATUTORY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

SELLER SHALL IN NO EVENT BE LIABLE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OF ANY NATURE, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

The Seller shall only be obligated to repair a defective item. If the item(s) cannot be repaired, the Seller shall only be obligated to pay damages up to an amount equal to the sale price of the item(s).

**Mobile Spider Mountain
Preventative Maintenance
Schedule Sheet**

Inspection Date:

Detail of work completed:

Items replaced:

Inspected by:

Trouble Shooting Guide

Technical Problems

Trailer lighting isn't working correctly.

- Check that trailer plug is inserted correctly into vehicle.
- Check trailer fuses on tow vehicle.
- Check connections on trailer.

Mobile Spider Mountain won't rise.

Is the hydraulic motor getting power? **IF NO**

- Check battery voltage and connections as well as hand control connections.

If yes, make sure safety pin has been removed.

- Check hydraulic fluid level.

Mobile Spider Mountain won't go down.

Is the hydraulic motor getting power? **IF NO**, Check battery voltage & connections.

- Check hand control connections. **IF YES**
- Make sure mobile Spider Mountain is raised of the ground.



Accident Report Form

- Date of accident :
- Place of accident :
- Time of accident :
- Name of injured person :
- Address of injured person :
- Phone of injured person :
- Was 911 called and please attach a copy of the report :
- Extent and nature of injury :
- What caused the accident :
- Was the person intoxicated or under the influence of alcohol or drugs :
- Were Vertical Reality's safety rules posted :
- Was your staff properly trained in the operation of the mobile Spider Mountain :
- Was the mobile Spider Mountain shut down for inspection after the accident occurred :
- Name of person signing the report :
- Signature :



10637 SW 185 TERRACE, MIAMI, FLORIDA ,33157
TEL (305) 238-4522 FAX (305) 238-4401 TOLL FREE (877)
632-6444
WWW.VERTICAL-REALITY.COM

Certificate of Training

**RE: SPIDER MOUNTAIN MOBILE WITH INFLATABLE SLIDE AND
ROCK WALL**

TYPE CERT: FULL OPERATION AND RETRAINING

CUSTOMER:

MANUFACTURER: VERTICAL REALITY

LOCATION:

REF: SPIDER MOUNTAIN MOBILE

I, KEN SHARKEY, HEREBY CERTIFY AS FOLLOWS:

**THAT THE FOLLOWING PERSONS HAVE BEEN TRAINED IN THE PROPER ASSEMBLY,
OPERATION AND MAINTENANCE OF THE ABOVE-MENTIONED RIDES BY A CERTIFIED
INSTALLER AND TRAINER OF VERTICAL REALITY AND ARE NOW FULLY FAMILIAR
WITH THE OPERATIONAL MANUAL AND CORRECT OPERATING AND SETUP
PROCEDURES. THIS ALSO AUTHORIZES THE FOLLOWING INDIVIDUALS TO TRAIN
THEIR OWN PERSONNEL TO OPERATE THE SPIDER MOUNTAIN WITH
INFLATABLE SLIDE & ROCK WALL.**

NAME: KEN SHARKEY

KEN SHARKEY - CEO





Confirmation of Shipping list and Certification of Fabrication

Inspections were performed by a Vertical Reality supervisor at a level of frequency sufficient enough to ensure compliance; as a result the ride as fabricated, is in. compliance with the applicable drawings, specifications and shop drawings;

That the fabrication of the ride including the material and the connections was accomplished in accordance with the design drawings and specifications; validated shop drawings and fabricators manufacture Quality Assurance Program;

That the fabrication of the ride was done in accordance with the applicable provisions of the current AWS Code; AISC Code & Specifications and other appropriate Codes and or standards;

That the welding of the ride was performed by certified welders (duly certified per AWS Code provisions);

That the inspection of the welding was performed by certified weld inspectors (certified in accordance with AWS Code)

That the ride as fabricated meets or exceeds the design criteria

That all the parts and hardware have been checked and are included in the shipment unless noted otherwise.

Signature of Supervisor:

Date:

Appendix A

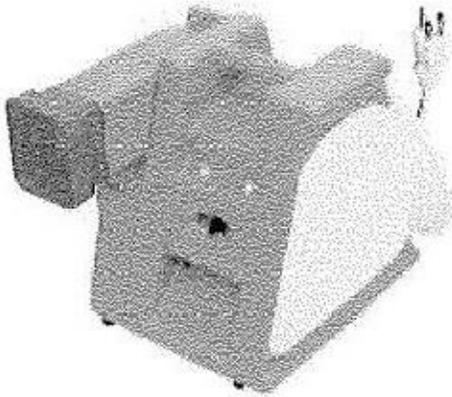
OWNER'S MANUAL

B-AIR BLOWER

BEAR POWER

MODEL # BP-2

CE



INTRODUCTION

- **OPERATION**
- **SAFETY**
- **SERVICE**
- **WARRANTY**
- **CONTACT**
- **SPECIFICATIONS**
- **TROUBLESHOOTING**

PLEASE READ AND SAVE THESE INSTRUCTIONS

INTRODUCTION TO B-AIR BP-2

YOUR NEW **B-AIR BP-2 BLOWER** HAS A POWERFUL 2 HP MOTOR, WHICH HAS STATE OF THE ART CONSTRUCTION AND SCREENS ON OPEN VENTS FOR SAFETY AND LONG LIFE. THE HANDLES ARE DESIGNED FOR EASY CARRYING AND THE UNITS ARE ALSO STACKABLE FOR SPACE EFFICIENCY.

OPERATION/USE

THIS BEAR POWER BLOWER IS DESIGNED TO INFLATE LARGE INFLATABLE PLAY STRUCTURES, AND IS ALSO SUITABLE FOR A VARIETY OF OTHER APPLICATIONS THAT REQUIRE HIGHER STATIC PRESSURE.

- A) CAREFULLY PLACE THE B-AIR UNIT ON STABLE FLAT DRY SURFACE-KEEPING CHILDREN AWAY.
- B) ATTACH AN INFLATABLE TUBE AROUND THE EXHAUST OPENING USING STRAPS OR ANY OTHER FORM OF TIGHTENER.
- C) PLUG CORD INTO A GROUNDED GFCI OUTLET ONLY.
- D) TURN ON SWITCH AND MAKE SURE IT IS OPERATING CORRECTLY.
- E) ALL BLOWERS IN OPERATION MUST BE SUPERVISED AT ALL TIMES.

STORAGE

STORE UNIT INDOORS IN A CLEAN DRY ENVIRONMENT TO ENSURE LONG LIFE

WARNING

ALL BLOWERS IN OPERATION MUST BE SUPERVISED AND ATTENDED AT ALL TIMES.

THE USE OF A 3-PRONG TO 2-PRONG ADAPTER IS PROHIBITED. ONLY USE A 2-PRONG TO 2-PRONG ADAPTER.

IF THE POWER SUPPLY CORD IS DAMAGED, IT MUST BE REPLACED BY THE MANUFACTURER, ITS SERVICE AGENT OR SIMILARLY QUALIFIED PERSONS IN ORDER TO AVOID A HAZARD.

SAFETY

- 1) BLOWER MUST HAVE BACK PRESSURE, MEANING IT MUST BE ATTACHED TO AN INFLATABLE OR DUCT TO AVOID ANY DAMAGE TO MOTOR.
- 2) KEEP CHILDREN AWAY FROM UNIT AT ALL TIMES WHILE IN OPERATION AND/OR PLUGGED IN.
- 3) DO NOT PUT FINGERS OR OTHER OBJECTS IN UNIT WHILE IN OPERATION AND/OR PLUGGED IN.
- 4) DO NOT OPERATE IN POOLED WATER TO AVOID ELECTRIC SHOCK.
- 5) MOTOR MUST BE KEPT DRY AT ALL TIMES. IF UNIT BECOMES WET, THOROUGHLY DRY BEFORE NEXT OPERATION.
- 6) INDOOR USE: USE ONLY WITH A GROUNDED PLUG AND/OR EXTENSION CORD TO AVOID RISK OF ELECTRICAL SHOCK OR FIRE. REMEMBER NEVER TO USE A CORD WITH ANY KIND OF DAMAGE OR WEAR.
- 7) MAKE SURE THE POWER SOURCE IS SUFFICIENT TO MEET THE REQUIREMENTS OF THE BLOWER.
- 8) KEEP AIR INTAKES CLEAR AT ALL TIMES TO AVOID CLOGGING OR BLOCKING IN ORDER TO PREVENT OVERHEATING THE UNIT. BLOCKING THE AIR INTAKES COULD RESULT IN A FIRE OR ELECTRICAL HAZARDS.
- 9) DO NOT REMOVE ANY SCREENS OR SAFETY GUARDS FROM THIS UNIT TO PREVENT INJURY TO PERSONS, AND TO AVOID OBJECTS FROM COMING IN CONTACT WITH THE BLOWER WHEEL. UNIT DAMAGE IN THIS MANNER WILL VOID YOUR WARRANTY.
- 10) DO NOT OPERATE UNIT CLOSE TO ANY DANGEROUS AREAS, SUCH AS EXPLOSIVE GASES, FLAMMABLES, HEATERS AND VENTILATED ENVIRONMENT, WHICH MAY RESULT IN EXPLOSIONS OR ELECTRICAL HAZARDS.
- 11) DO NOT USE ANY FORM OF SPEED CONTROL DEVICE AS DOING SO MAY RISK INJURY OR FIRE.
- 12) ALWAYS PLACE BLOWER ON A SMOOTH AND LEVELED SURFACE FOR SAFE OPERATION.
- 13) DO NOT OPERATE IN STACKED POSITION.
- 14) DO NOT USE UNIT IF DAMAGED.
- 15) BEFORE CLEANING OR SERVICING UNPLUG UNIT.
- 16) ALL BLOWERS IN OPERATION MUST BE SUPERVISED AT ALL TIMES.

WARRANTY

1 YEAR:

**B-AIR WILL COVER ALL PARTS (EXCEPT POWER CORD).
WITHIN ONE YEAR OF PURCHASE B-AIR WILL PAY REPAIR COSTS AND
ONE WAY UPS GROUND SERVICE SHIPPING TO YOUR LOCATION
WITHIN THE 48 CONTIGUOUS STATES. PROOF OF PURCHASE IS
REQUIRED.**

**CUSTOMER IS RESPONSIBLE FOR SHIPMENT OF DAMAGED UNIT TO B-
AIR WAREHOUSE FOR REPAIR.**

**CANADA AND NON-CONTIGUOUS STATES MUST PAY FREIGHT BOTH
WAYS.**

5-YEAR:

**B-AIR WILL COVER HOUSING FROM DATE OF ORIGINAL PURCHASE.
PROOF OF PURCHASE IS REQUIRED.**

SERVICE

**IN ORDER TO RECEIVE SERVICE OR REPLACEMENT PARTS UNDER
WARRANTY, YOU MUST:**

- A) CALL FOR A RMA# (Return Merchandise Authorization Number)**
- B) HAVE PROOF OF PURCHASE**
- C) SHIP TO B-AIR BLOWER**
 - IF IMMEDIATE SERVICE IS REQUIRED, B-AIR WILL SHIP A
REFURBISHED BLOWER IMMEDIATELY TO REPLACE THE
ONE REQUIRING SERVICE PROVIDED A VALID CREDIT CARD
IS PROVIDED AND CHARGED. ONCE WE RECEIVE YOUR
BLOWER, WE WILL CREDIT YOUR CREDIT CARD ACCOUNT.**
 - WE WILL GLADLY REPAIR YOUR BLOWER AND SHIP WITHIN
24 HOURS.**

**UPON INSPECTION, WE WILL ADVISE YOU OF THE REPAIRS NEEDED
AND THE COST (IF APPLICABLE).**

**B-AIR WILL ISSUE REPAIR OR REPLACEMENT PARTS DEPENDING ON
WARRANTY.**

CORDS

- 1) DO NOT USE EXTENSION CORDS FOR OUTSIDE USE.
- 2) USE 3 PRONG ADAPTORS THAT ARE UL AND CE APPROVED AND NOT LESS THAN 14-3 WITH GROUND FAULT CIRCUIT INTERRUPTER (GFCI).
- 3) DO NOT USE CORDS THAT SHOW ANY KIND OF WEAR OR DAMAGE.
- 4) CORDS ARE NOT COVERED BY WARRANTY.

B-AIR BLOWERS LIMITED WARRANTY

COVERS

- 1) B-AIR BLOWERS ARE COVERED AGAINST DEFECTS IN MATERIAL AND CRAFTSMANSHIP USED UNDER NORMAL INTENDED USE TO ORIGINAL PURCHASER FOR A TERM OF (1) ONE-YEAR FROM THE ORIGINAL DATE OF PURCHASE.
- 2) B-AIR BLOWERS HOUSING IS COVERED FOR A TERM OF (5) FIVE FULL YEARS FROM THE DATE OF THE ORIGINAL PURCHASE.

DOES NOT COVER

- 1) ANY SIGNS OF MISUSE INCLUDING; BUT NOT LIMITED TO ROUGH HANDLING, ABUSE, TAMPERING, IMPROPER VOLTAGE USE, UNAUTHORIZED MAINTENANCE AND REPAIRS.

CONTACT

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SPECIFICATIONS

MODEL: BP-2

VOLTAGE	115 V	230 V
CYCLE	60 Hz	50 Hz
MAX AIR VOLUME	1430 CFM	1360 CFM
AMPS	12 A	9.8 A
MAX STATIC PRESSURE	9.0 INCH	7.7 INCH
WEIGHT NET/ GR	43/47 LBS	43/47 LBS
UNIT SIZE (LxWxH)	20.5"x16"x18"	20.5"x16"x18"
WHEEL SPEED (RPM)	3400	2850
MOTOR	2 HP	2 HP
ATTACHED CORD (14G)	25 FT	25 FT

TROUBLESHOOTING

<u>PROBLEM</u>	<u>POSSIBLE CAUSE</u>	<u>SOLUTION</u>
Motor Not Running	a) Switch is OFF	a) Turn Switch ON
	b) Bad Outlet	b) Check Outlet/ Change to Another Outlet
	c) Faulty Switch/Cord	c) Call Factory for new Switch/Replace Cord
Scraping Noise From Blower	a) Wheel Out Of Line	a) Call Factory for Replacement Advise
Weak Air Flow	a) Obstructed Vents/Inlets	a) Clean Out Vents/Inlets

NOTES