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AIR BAG PIT

Owner / Operator Manual

AIR BAG PIT MANUAL

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↑ Overview

This manual contains proper operational procedures which ensure the safest and most enjoyable experience for customers and employees. The following information is for the purpose and intent to provide owners and operators with operational procedures and inspection/maintenance recommendations that will facilitate top performance of the equipment, as well as longevity of the product. Your attraction is constructed by following the specified procedures and using quality materials, all in compliance with the industry standards. This manual covers categorical recommendations as well as details on specific components and features.

Within most trampoline and adventure parks you will find a moderate-to-large size **Air Bag Pit**, an extremely popular attraction. It is critical for owners and operators of an amusement destination to become familiar with the design, function, roles, rules, and instructions for care found within this manual. For any additional inquiries regarding specific needs not found in this manual, please contact Fun Spot® directly at:

+1 (706) 376 8989.

MANUFACTURER'S NOTE: According to ASTM F2970-17, Section 14.2 - all owners/operators must notify the manufacturer of all major incidents that occur at this attraction. Any patterns of repeated major incidents should also be reported.

➤ Structure & Use

The design of an **Air Bag Pit** will vary at every location; some feature an angled wall and high jump, while others feature a basic trampoline or launch box. The constant within all Air Bag Pits is the structure itself. Steel posts are combined to create a stable framework for a custom-made Air Bag. Fun Spot® installers are trained to follow instructions to specific details in the installation process, so maintaining the use of the Air Bag Pit with its designed purpose is crucial for structure integrity and longevity. Misuse of the structure's features could compromise safety; therefore, **managerial training during the installation is critical** (see Inspection & Maintenance section, pg. 9).

To protect the longevity of the trampoline mat, pads, Air Bag, and the structure of the court, participants should never exceed the court's **max capacity**. Each Air Bag Pit will have a different max capacity, **determined by the number of entry points; generally 1 jumper per lane**. It is important to not only maintain the proper amount of guests at the Air Bag Pit at one time, but also never exceed the recommended weight limit. The max weight limit on each trampoline is 300 lbs. (around 136 kg), and is established to protect the function of the springs as well as the trampoline mat itself. It's important to also note that most guests over 300 lbs. will find it difficult to exit the Air Bag Pit.

MANUFACTURER'S NOTE: The Air Bag Pit is intended to be a permanent structure. Assembly and dismantling of this attraction should be done by a professional Fun Spot® installer only.

Court Attendants

Out of all of the roles in a trampoline park, the **Court Attendant** has the most interactive and dynamic role. Upon first glance, one might presume they are the “lifeguards” of the courts - but they are far more. Instead of being stationed off to the side, observing and engaging only when someone breaks a rule or requires assistance, they are part of the park's high-energy atmosphere. This role is exciting, fun, and rewarding! Court Attendants keep the courts safe and actively contribute to the fast-paced experience.

Since each Court Attendant is a point-person for the facility, they need to always be in uniform and **easy to recognize** by any customer. The park's shirt is required for each shift, as well as proper shorts/pants and shoes according to the dress code laid out by the managers. Court Attendants cannot wear excessive jewelry, large earrings/bracelets/necklaces, or studded belts in case they must enter the court to help someone.

To correctly staff this attraction, a ratio should be recognized. The industry standard ratio for Attendants to Jumpers, is 1:32, **and should never be exceeded** (also see ASTM F2970). Due to the nature of play at the Air Bag Pit, a Court Attendant should not simultaneously monitor another attraction while monitoring an Air Bag Pit.

For a more comprehensive understanding of the Court Attendant,

please refer to the Fun Spot® Court Attendant Manual.

Responsibilities >>>>>

Court Attendant placement will vary depending on the size, shape, and features of the Air Bag Pit. For all Court Attendants that will monitor the Air Bag Pit activity area, there are some foundational responsibilities they should be ready to fulfill throughout their shift:

1. **Teach** each participant the **safety guidelines** as necessary. Instead of focusing on what *not* to do with correction, focus on teaching the guests **how to safely use the equipment**. This instruction can be verbal or with safety signage that is in plain view.
2. **Be mindful** of participants' having difficulty in exiting the Air Bag Pit. Some guests may require a rope/rope ladder or padding to **assist in an exit**.
3. **Instruct** all guests waiting on the **platform and in the assembly area**. All the entry and exit points. An "assembly area" is a 5ft./60" radius from any rebounding device of the Court, and should not be blocked by spectators or those waiting to play (see ASTM F2970-20, Section 7.6 & 16.10). Spectators and guests should also not lean against any containment netting at any time.
4. **Quickly address** any guests that are not making an immediate and direct exit from the Air Bag Pit. It is not safe to rest or remain in the pit, therefore **managers should get involved** when there are guests with repeated violations of the safety guidelines.
5. When an Air Bag Pit has long lines on busier days, CA's should take time to **direct patrons** to other obstacles. It is the CA's responsibility to make sure that the platforms and areas around the attractions **never exceed capacity** or reach a point of overcrowding.
6. Court Attendants should carefully **pay attention** to any participants that are exhibiting any signs of fatigue or exhaustion. CA's should constantly remind patrons about the purpose and location of the **designated resting area(s)** in the park.

General Rules

With the nature of this kind of recreational facility, playing at a trampoline park requires all rules to be carefully followed by every participant. Every guideline and rule for this attraction exists to ensure protection for the jumpers and the equipment. All participants must have access to the rules of play and must also observe the instructions of the operator at all times. Before entering the Air Bag Pit (or any play areas), the following rules must be observed:

Before Entry: >>>>>>>

- ☐ A properly **completed waiver** must be signed by guests 18 years of age and older, or by a parent/legal guardian for guests under the age of 18.
- ☐ Guests should weigh **no more than 300 lbs.** (136 kgs.)
- ☐ Guests should **not be wearing** large or loose jewelry, studded belts, or anything that could damage equipment or hurt another guest.
- ☐ Hard-billed **hats** are not recommended, and should be left outside the pit during game play.
- ☐ Guests should be wearing appropriate **grip socks** - no shoes, bare feet, stockings, hose, or socks without approved grips.
- ☐ Guests should maintain their **jump pass** in a place that is easy for Attendants to see, and should be participating in the activity only during their purchased time.
- ☐ Pockets of participants should be **empty** at all times.
- ☐ **No gum or candy** is allowed during jump times.
- ☐ Attendants should make sure there are no guests under the influence of **harmful drugs or alcohol** (If an Attendant suspects that someone is under the influence, then they should notify a manager immediately).



Signage & Patron Education

Safety signs are always an important **educational tool** for the customers. Safety signage should always be clearly displayed at eye level, and in a contrasting appearance so they stand out. Rules signage should be placed near the entrance to Fun Spot® attractions. The following rules should be made clear, accessible, and legible:

ALWAYS:

- ☐ **Listen** to the instructions of the Court Attendants at all times.
- ☐ Wear appropriate **footwear** at all times.
- ☐ Keep your **pockets** empty.
- ☐ Pull back **long hair** into a ponytail, braid, or similar.
- ☐ **Only one person** per entry lane at a time.
- ☐ **Wait for the previous guest to exit the Air Bag Pit** before jumping on to the Air Bag.
- ☐ Attempt to **land on your bottom/backside**.
- ☐ Jump around other guests of **similar size**.

DO NOT:

- ☐ **Jump head first or dive**.
- ☐ **Lay down or rest** anywhere within the Air Bag Pit.
- ☐ Attempt **backflips, “gainers”** (forward-moving backflips), or **double flips**.
- ☐ **Jump in “penciled”** (rigid and locked in a straight line)
- ☐ **Exceed** the max capacity at any time.
- ☐ Use any foul language or **unsportsmanlike conduct**.
- ☐ **Attempt a running start** toward the Air Bag Pit.
- ☐ **Climb** up any neighboring walls.
- ☐ Attempt anything **beyond your current skill level**.

WARNING! Impact, flipping, climbing, and other activities can result in serious or fatal head injury, paralysis, bone fracture, and/or serious injury. Be responsible and **participate at your own risk**. Non-compliance may result in the loss of your paid activity time.

- ☐ Do not attempt any obstacle, skill or activity outside your own

limitations, abilities, or skill level. Use involves inherent risk. Participate with extreme caution at your own risk.

- ☐ Do not participate if you have any health limitations, had recent surgeries, are under the influence of drugs or alcohol, or if you are pregnant.
- ☐ Failure to follow the rules and safety guidelines may result in loss of jump pass, serious injury or death.

GUEST RESPONSIBILITY

Everyone that enters a court or activity zone must have completed a valid liability waiver. Those under the age of 18 must have the form completed and signed by a parent, legal guardian, or someone with legal power of attorney. Prior to participation, all guests and accompanying adults assume full responsibility to ensure that:

- ☐ All waivers are properly executed.
- ☐ Everyone has reviewed the rules and viewed the safety video (if applicable).
- ☐ Everyone must have a valid jump/activity ticket before entering any activity zone.
- ☐ Guests and accompanying adults must completely understand and agree to follow all rules and staff member instructions.
- ☐ Everyone is in good health without any restrictions.
- ☐ Every guest and participant must be aware of those around them.
- ☐ Activities may involve individuals of different sizes, ages, and abilities; guest participation is at their own risk.
- ☐ Guests and accompanying adults assume full responsibility for their actions and conduct.
- ☐ Guests and accompanying adults should also assume full responsibility of their own personal property, including, but not limited to, cameras, cell phones, shoes, handbags/purses, etc.
- ☐ Staff members reserve the right to relocate guests, accompanying adults and spectators to a different area at any time.

✖ Inspection & Maintenance

A **Daily** and **Weekly** inspection time should be observed in conjunction with the manufacturer inspection sheets (see Appendix B on pg. 22). The Daily and Weekly inspections must be done during non-business hours so that the inspector can also hear the components that are being assessed. These inspections should be completed by a CA or manager. Completed inspection sheets should be saved with a time-stamp* and stored digitally for up to three years (or according to an attorney's recommendations). For specific needs regarding the Air Bag Pit attraction, please contact Fun Spot® directly at the number listed in the Overview section.

***MANUFACTURER'S NOTE:** A digital daily inspection log (verified by timestamps) must be submitted for some warranties to be valid.

Daily Visual and Tactile Inspection

- ☐ Inspect all of the **trampolines** for tears, holes and sagging. For maintenance requirements of trampolines, springs, frame, netting, or padding, please refer to the **Maintenance Visual Aide** and **Maintenance Manual**.
- ☐ Inspect all of the **padding** - verify it is properly secured, without tears or rips, and that it properly covers the openings or hard surfaces it is designed to protect. Any loose padding should be immediately secured with the recommended bungee ties and hog-nose rings. There should be no gaps between consecutive pads or between pads and the platform.
- ☐ Lightly bounce around the perimeter of each trampoline (on the webbing) to detect any **resistance changes** in the trampoline. Any areas of noticeable resistance changes could imply an over-stretched spring, and should be handled during the next Weekly Inspection. All webbing should not be fraying or detached.
- ☐ Inspect all **containment netting**, cables, and turnbuckles. There should be no holes in the netting, and the cables and turnbuckles should be tightly secured to anchor points above the Air Bag Pit.

- ❑ Examine all nearby **Graphics Panels**. All panels should remain undamaged and *secure* to keep guests from crawling underneath or behind the court during business hours.
- ❑ Survey any **additional features** like the Launch Box or the High Jump. Check the **Launch Box** to verify stability on the platform, properly secured padding around the exterior, and proper Air Bag Pit warning and/or rules signage. The Launch Box trampoline mat should be inspected for consistent resistance and no detached or fraying webbing. The **High Jump** should be inspected for proper anti-slip material on the stairs, no jagged or sharp edges on the plexiglass or railing, and all safety padding should be secured. The entire LED lighting strip on the High Jump should be attached facing the edge of the plexiglass feature. Any unused outlets should be covered. **Columns** within 60" (5 ft.) of any rebound device should also feature column wraps (of a standard height of 96" [2.44 m] or similar) that should be secured with velcro strips.
- ❑ Verify the **Air Bag blowers** are functioning correctly and the **Air Bag** has no defilement or holes, and is holding the correct inflation level. *(Please refer to the Air Bag manufacturer's manual for air pressure regulation/inflation recommendation, as well as maintenance and daily inspection information).*
- ❑ Remove any **trash**, obstructions, debris, or similar that was missed in the previous closing shift's cleaning.
- ❑ Ensure that all Safety/Warning/Guidelines **Signage** is clearly visible and unblemished.

When a Fun Spot® installer is on-site, it is the park's responsibility to make time to receive maintenance instructions while the attractions are being assembled. The installation phase is an invaluable time for a park to learn about the structure and use, as well as how to replace springs, trampolines, and pads. Once staff have been properly trained on replacements, the Air Bag Pit activity area will require inspections before, during, and at the end of every shift/day the park is open to the public.

Inspection During A Shift <<<<<<<

There are certain areas within every park that will require special attention. The Court Attendants will not only be monitoring the jumpers during their shift, but will also be **mindful of the equipment as it is being used**. Pads, netting, entry points and exit points, as well as the wear on trampolines throughout the day should be a constant priority of Court Attendants throughout their shift. In the event an emergency maintenance service is required, netting or some sort of barrier should be established to close off the Air Bag Pit while it is being serviced. There should be a substantial distance between the issue being serviced and the boundary of the service area. This is to protect the employee(s) as well as the guests. In most cases where proper inspection and maintenance has been observed, the matters can be serviced during non-business hours and will not require immediate care.*

It is also important to note: the Air Bag should be inflated only to the recommendation of the third-party Air Bag manufacturer (see the Air Bag Owner/Operator Manual). Because of the padding of the Air Bag Pit, customers may feel more safe attempting things they wouldn't normally try. Therefore, it is extremely important for the Attendants to be attentive and vocal at this particular station in a trampoline park.

*** MANUFACTURER'S NOTE:** If a portion of an activity area needs to be serviced during hours of operation, it should only be for an emergency scenario and should be closed off throughout the entire time of repair. If a repair is made, at least one Court Attendant should be standing on the perimeter of the repair area to keep jumpers away. Repairs during business hours can be dangerous if not done properly!

Post-Shift Inspection >>>>>>>

Post-shift inspections are very similar to pre-shift inspections in items of priority, however it should also include cleaning and sanitizing the used areas. Excessively dirty or functionally compromised areas should be made aware immediately to management. Post-shift inspections are often at the end of very busy times, therefore extra care must go into the observations Court Attendants make as they clean and review the Air Bag Pit.

If an Attendant sees a "run" or tear (or fraying of the material) in a trampoline, they should notify a manager immediately. If the tear is smaller than an inch, it should be noted on the cleaning/inspection checklist to be

carefully watched throughout every shift. If the tear is larger than an inch, chances are the trampoline should be replaced. Matters concerning trampoline problems should be taken seriously. Gaps on courts, or severe rips on a pad, should also be handled with urgency.

Weekly Extended Inspection & Cleaning

- ☐ Inspect (and clean) **under the platform** for debris, unstable components, broken or overstretched springs, & loose bungee ties.
- ☐ Verify that there is **no liquid** under the platform or pit trampoline, or near the Air Bag blowers.
- ☐ Verify every **redundant mat** is secure and in place.
- ☐ Verify the **Air Bag blowers** are functioning correctly and the Air Bag has no defilement or holes, and is holding the correct inflation level (see Air Bag manufacturer's manual for inflation recommendation, as well as maintenance and inspection information).
- ☐ Inspect any **railing or posts** near the rebound devices. Verify the railing is unblemished, no sharp edges, and no unstable points. All railing within 5ft. (60") of any rebound devices or obstacles should have safety padding attached (See ASTM F2970-20, Section 7.7.1).
- ☐ Examine the **flooring and platform** around the Air Bag Pit. Ensure there are no tripping hazards on the carpet-bonded foam, gaps in the platform, or unstable points around the pit.
- ☐ Carefully inspect the **Launch Box & High Jump** components (see Appendix A on pg. 19) for flaws, missing pieces, defilement, sharp edges or instability:
 - ☐ Framing & Padding
 - ☐ Graphics Panels (Launch Box only)
 - ☐ Railing & Stairs (High Jump only)
 - ☐ LED & Electrical (High Jump only)
 - ☐ Warning signage
 - ☐ Trampoline Mat & Webbing (Launch Box only)
- ☐ Examine the **structural frame and platform** for:
 - ☐ Structural integrity issues (no "swaying" or instability). Check all

connection points, especially anchors into the concrete. Ensure there is no loose concrete or cracking.

- ❑ Look for evidence of rusted metal, rotting, or corrosion anywhere on the steel structure.
- ❑ Inspect all of the hardware that is securing the steel structure. If any bolts need to be replaced, only replace them with the same strength and length as was originally installed. If broken bolts are found, notify management before re-opening the attraction.
- ❑ Exposed/sharp edges.

MANUFACTURER'S NOTE: Our assistance app, SUMBA, is recommended for all inspections. If SUMBA is not used, Operators and Management/Supervisors should also review the Daily and Weekly Inspection Sheets, the Maintenance Visual Aide and the Maintenance Manual for additional information about timing, processes, and visual cues for servicing an Air Bag Pit.

For maintenance-related questions, contact maintenance@funspot.com.

The intervals of maintenance for your park should be adjusted based on its use. The previously listed inspections and maintenance efforts are minimum recommendations.

Important Air Bag Pit Issues!

Because of the nature of use, the Air Bag should be sanitized daily and the blowers should be tested before hours of operation each business day. Any testing of an Air Bag “catch response” should be done from platform-height first, then from a rebound device, Launch Box, or High Jump. The catch response of the Air Bag when a guest lands should be observed by Court Attendants throughout their shift. If a guest sinks too low in the Air Bag, the pit should be closed until the inflation point recommended by the manufacturer is maintained in the Air Bag again.

Attendants should actively observe the jumpers as they approach the Pit to make certain they have enough momentum to clear the edge of the trampoline and mat. Court Attendants should *never* have their back to the Air Bag Pit so that they can ensure the jumpers are landing on the Air Bag bottom or back first. If they see a violation of this guideline, they must remind the customer of this important rule as they are exiting the Air Bag. While the Court Attendants are facing the pit they should also be aware of the customers who are preparing to enter. The Attendants should stop any customer who appears to be attempting a “running start”. When it is

possible, Attendants should stop a violation of a rule before it happens.

In an instance with an incapacitated jumper, emergency extraction pads and/or extension ladders (for an assisted exit from the pit) should be available near the Air Bag Pit. No Attendant should enter a pit with an incapacitated jumper, unless that jumper is believed to be not breathing or unconscious. **It is recommended for owners and operators to work with local paramedics in creating an emergency action plan for instances like this and others.**

If a jumper becomes incapacitated and there is another jumper already in the Air Bag Pit, the Court Attendant needs to instruct the able jumper. If the able jumper is able to exit without causing movement in the incapacitated jumper, then they should slowly and carefully exit. **An annual training for Pit extraction with local paramedics is highly recommended.**

Cleaning

Cleanliness is a large part of safety when it comes to adventure parks. A **Daily Cleaning** should consist of wiping and sanitizing the padding and any features on the obstacles that involve human contact. It is best to utilize a small amount of non-caustic cleaner^o that disinfects and sanitizes with a flat-head mop for hard to reach places, and a non-abrasive rag for features within reach. At the end of every work-day, Court Attendants should work together to make sure every part of the attraction is sanitized and disinfected. Platforms around this attraction should be vacuumed and kept clear of trash and debris. In addition to a **Daily Cleaning**, a more thorough **Weekly Cleaning** list should be observed as well:

- ❑ Areas around the court, behind fences, and underneath the nearby courts should not be eyesores. **Any visible areas** to guests should always be kept clean and tidy.
- ❑ A bi-weekly **sweeping** (under and around the play area) should be planned, but it must be done when the court is closed or when the park is not open to the public. **Do not** attempt to sweep under or around an attraction that has customers participating in activities!

- ❑ Thoroughly **wipe** down all features/components with a non-caustic cleaner[°]. All surfaces that come in contact with bodies must be given a thorough cleaning at least once a week - in addition to the Daily cleaning that should take place at the end of each day of use.
- ❑ Clean pads and column wraps more thoroughly with the use of an industry-standard **steam** mop. Do not hold the steam over the vinyl for more than a second. If the steam is on, keep the mop moving. If a section of padding needs to be scrubbed after the steam is used, turn the steam function off to safely focus on smaller portions at a time.
- ❑ Sanitize and **disinfect** the Air Bag cover with a manufacturer-approved cleaner and disinfectant[°].

[°]For a current suggested list on specific cleaning products recommended by the manufacturer, contact Fun Spot® directly.

☹ Risk Assessment

For Owners & Operators:

Before the Air Bag Pit attraction is open for use within your park, please review this Risk Assessment section to verify the proper procedures and policies are in place. All staff that will monitor this play area should be aware of the listed risks and the procedures with solutions for each feasible scenario. It is the manufacturer's recommendations that all EAPs and policies regarding risk management be logged and made available to all operating staff. It is also vitally important to review these procedures often as a part of a regular training protocol.

RISK #1 Impact injury as result of fall, user error, or equipment failure.

Solution A - The steel structure shall be fitted with foam padding. The padding is to be compliant with ASTM guidance for Gmax impacts and with a calculated HIC interval value under BS EN 1177:2008 or in excess of 1.5m. Gaps in padding must be minimized using angled padding joints where possible to ensure overlap at joints. In addition a briefing must be

supplied explaining the inherent danger of landing on the padding. The Operator must ensure the briefing to all Participants is provided and that the Court Attendants are suitably trained and diligent in their duties. The Participants shall be briefed prior to entering any trampolining area. The briefing must explain the potential hazards and risks of undertaking the activity and the correct method for using the equipment. The Court Attendants must observe all Participants and recognize inappropriate behaviour and intervene, with appropriate action when necessary.

Solution B - The trampoline bed shall be produced using industry standard trampoline surface material and springs to attenuate the impact. The trampoline frame is manufactured as a robust steel structure with numerous uprights and bracing secured to the floor with anchors and a network of cross braces which spread the loads across the entire structure providing a structure capable of withstanding the repetitive dynamic loads from one person per trampoline bouncing continuously plus an additional margin for safety. The Operator implements a procedure including regular inspections of the trampolines to identify any damage or failure and a policy regarding prohibition from use should any weaknesses such as broken welds or missing hardware be identified. A robust procedure for the management of over-occupancy and over-crowding scenarios must be implemented and effectively managed.

Solution C - A static redundancy system (additional trampoline bed) is positioned below every trampoline bed. In the event of a catastrophic failure of the trampoline bed, the redundancy system will 'catch' falling participants. The Operator implements a procedure including regular inspections of the trampoline beds to identify any damage or failure and a policy regarding prohibition from use should any rips or damage be found in the bed or redundancy system.

Solution D - In accordance with ASTM F2790 all areas surrounding trampolines shall be padded a minimum of 60 inches from the jumping surface from the trampoline. In the absence of this padding, containment netting to project the Participant back into the trampolining area, shall be in place.

Solution E - An Emergency Extraction Mat can be available upon request of the Owner/Operator to assist easier exits for injured guests. EAPs should be finalized by the Owner/Operator with local paramedics or first responders.

Solution F - Daily inspections will be maintained by the Operator to address any equipment needs before hours of operation. If the Operator is unable to fix a safety component or feature of the Air Bag Pit during non-business hours, the attraction should be closed until the component is fixed.

RISK #2 A Participant is injured through interaction or entanglement with the springs of the trampoline or devices, including items such as jewelry and hair.

Solution A - The bed of the trampoline is a single piece of fabric that extends over the trampoline springs and is fixed to the steel framework. Framework padding is then placed on top of this area, further protecting the participant from contact with the springs. No-jump signs (where necessary) and webbing borders are to be installed on the trampoline beds to signify the jumping area and the prohibited area where jumping should be avoided.

Solution B - The Operator shall ensure Participants be properly briefed to ensure they do not jump close to the springs and that they should not wear jewelry while jumping and that loose long hair should be tied back or braided.

RISK #3 Friction or abrasion injury as a result of impact.

Solution A - Participants shall wear grip socks to assist in keeping their footing when landing on all beds including angled beds.

Solution B - The Operator will ensure Participants are encouraged to always jump within their skill level, reducing the likelihood of abrasion injuries.

Solution C - The Air Bag Pit shall have a consistent height that meets the height of the neighboring platform, with properly functioning blowers that are inspected each day (according to the Air Bag's manufacturer recommendations).

RISK #4 Injury caused by mental overload/underload of the Court Attendant leading to human error.

Solution A - The design of the park shall ensure a suitable number of

viewing points for Court Attendants and should endeavour to avoid blind-spots. A policy of staff-rotation and effective staff management can and will reduce the effects of over and under loading on staff. Supervisors should maintain a rotation to avoid mental fatigue and keep the monitors mentally sharp and fresh.

RISK #5 Injury caused by fatigue of guests.

Solution A - If a patron suddenly feels faint or exhausted, Safety Padding is provided over all hard impact surfaces within the play area, and the platform is covered with carpet-bonded foam.

Solution B - Court Attendants are trained to observe signs of exhaustion or hindered physical activity due to fatigue. A designated resting area should be provided by Operators so that participants may safely rest outside of the structure.

RISK #6 A participant is injured through impact/contact with another player or guest.

Solution A - The distance between entry points of the Air Bag Pit is fixed to mitigate the risk of contact between two participants. A fixed max capacity is established and the Court Attendants are trained to never exceed that number.

Solution B - Spectators shall be instructed on safe observing areas, and Court Attendants will keep assembly areas and exits from the Air Bag Pit clear at all times.

Conclusion

The Air Bag Pit is an extremely popular attraction in a trampoline or adventure park, and requires proper training before patron use. For more information about Fun Spot® and our robust safety and operations training program, contact Fun Spot® at:

+1 (706) 376 8989 and FUNSPOT.com.

For more maintenance related questions, please refer to the Maintenance Manual, the Maintenance Visual Aide, and the following Appendix.

Additional questions may also be conveniently submitted to:

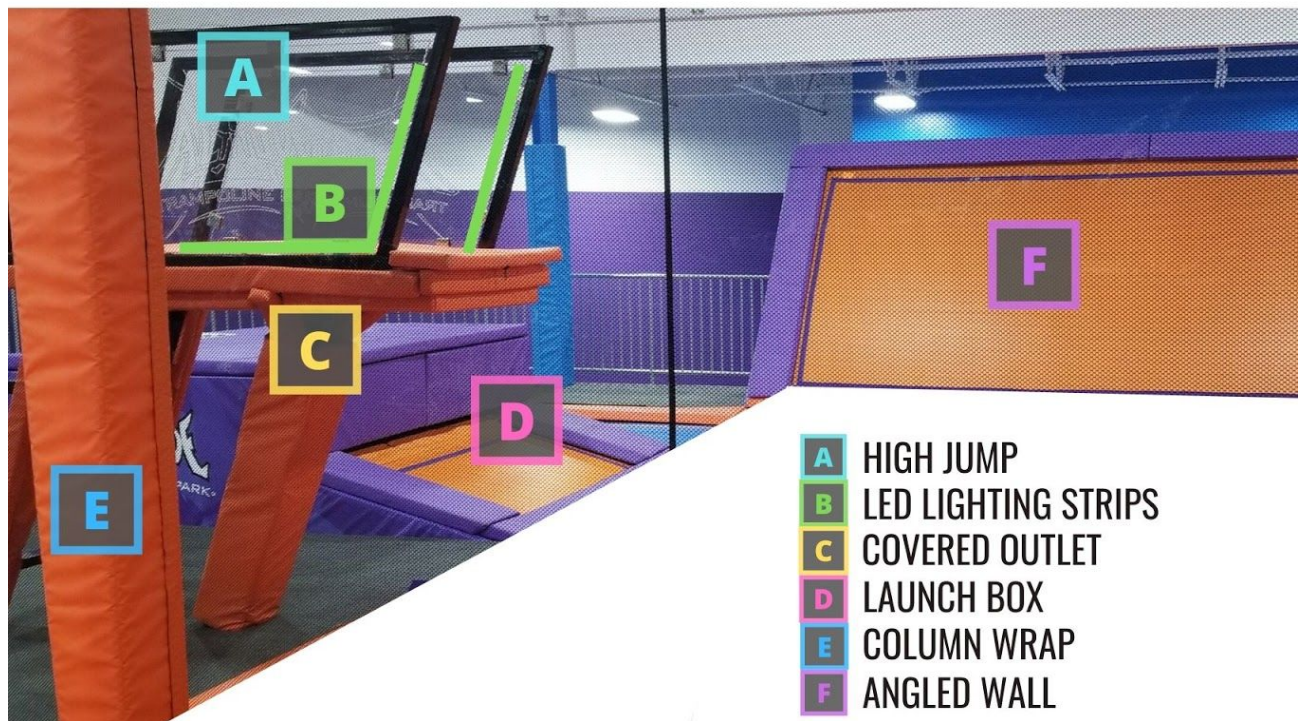
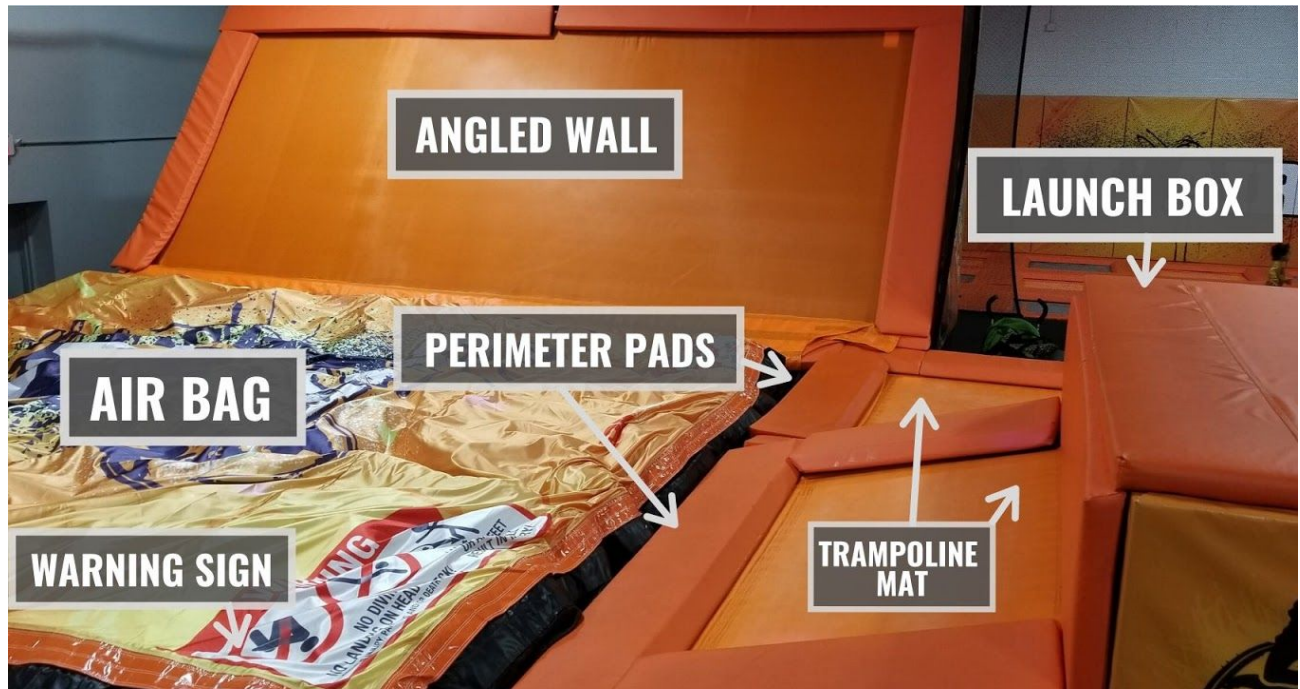
maintenance@funspot.com

Appendix A - Terminology & Pictures

ATTENTION OWNERS/OPERATORS:

Management, Operators, and Court Attendant employees should familiarize themselves with the **following terminology and standards**. For additional information on any equipment and maintaining proper function, please refer to the Fun Spot® Visual Aide and resource library.

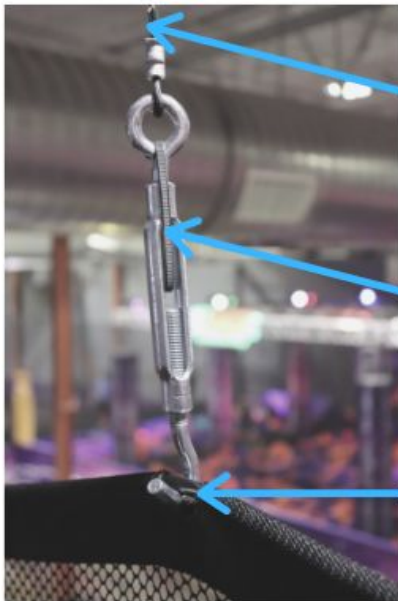
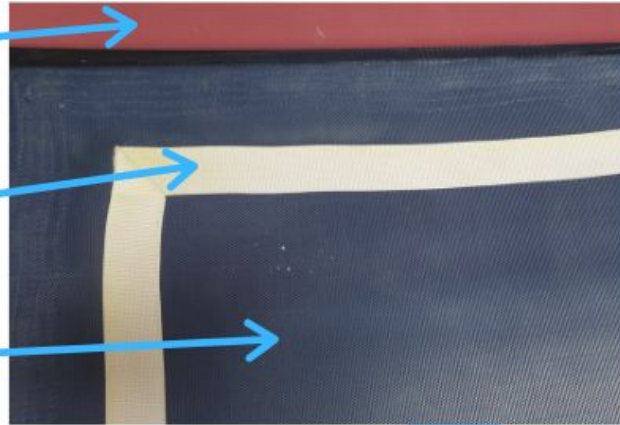




Safety Pad
Should be undetiled, secured with bungee ties, equal thickness of padding throughout, with no tears or holes.

Webbing
Should be secured with proper stitching with no tears, holes, or fraying of material.

Trampoline Mat
Should be unblemished, secured with intact springs, with no tears or holes.



Cable
Should be attached securely to a stable anchor point and turnbuckle with no fraying of metal strands.

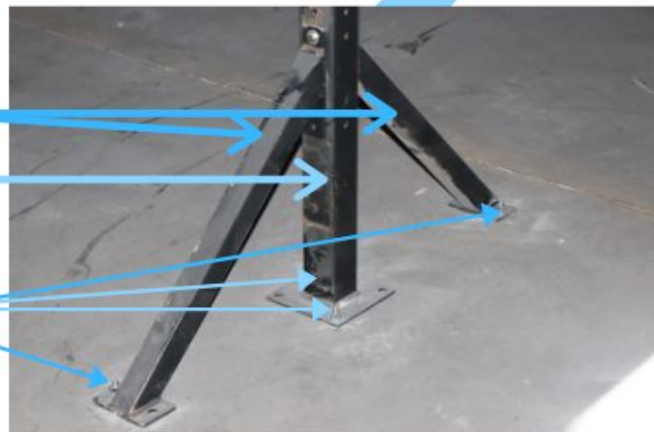
Turnbuckle
Should be attached securely to a cable and netting grommet with no blemishes.

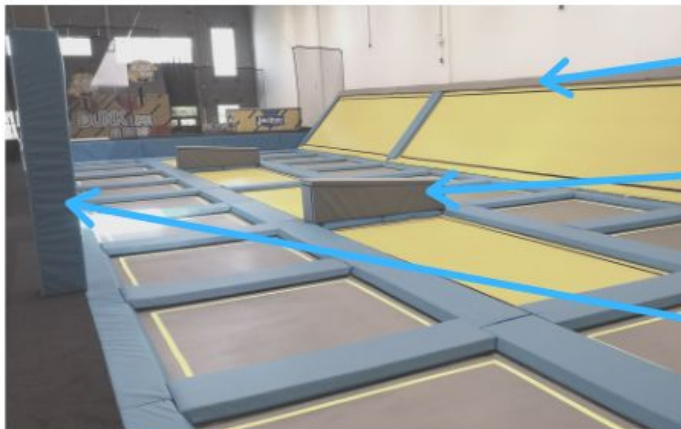
Netting Grommet
Should be attached securely to a turnbuckle with no tears or fraying of material.

Base Post Angled Braces

Frame Base Post

Hardware should have a minimum of two (2) bolts in opposing diagonal corners on each Base Post, with at least one (1) bolt in each Angled Brace on the opposing sides.
For example, in the picture:
The bolt on the nearest Angled Brace is on the left side, while the bolt on the opposing Angled Brace is on the right side.





Perimeter Pads

Should be securely tied, leaving no gaps between courts and netting, walls, or platforms.

Parkour Obstacles

Padding should be undefiled with equally distributed foam. The box should be immovable with tightly attached padding.

Padded Walls or Pillars

Any hard surface within 60" (152.4 cm) of a trampoline entry point should be completely covered with protective impact attenuation material.

Netting

Should be attached securely as a stable containment source for jumpers, with no gaps between courts, platforms, and walls.

Padded Railings

Like padded walls or pillars, any railing within 60" of an entry or exit point of a trampoline should be padded with secure and intact impact attenuation material.

Graphics Panels/Skirt

Should be unblemished and secured, enclosing all areas underneath and behind play areas and courts.



Springs

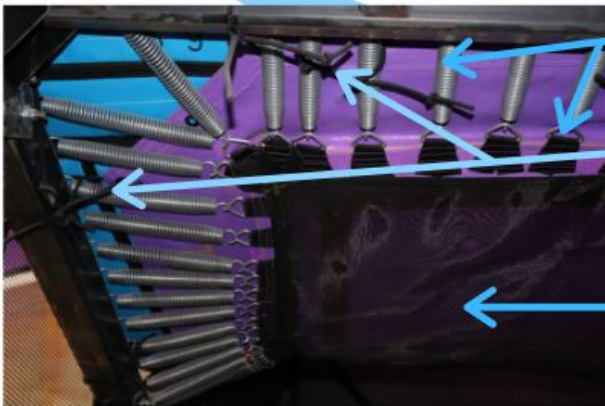
Should be not overstretched (see Visual Aide for more information), secure on steel frame, and hooked on to trampoline mat and redundant mat.

Bungee Ties

Should be connected through safety pad grommets and securely tied with hog nose rings from beneath the court around steel frame, and not wound or stuck in any spring coils.

Redundant/Secondary Mat

Should remain underneath each trampoline mat and securely attached by in-tact springs.



Appendix B - Daily Inspection Chart

ATTRACTION COMPONENTS	PASS	WATCH	FAIL	NOTES
Are all graphics panels/walls properly secured and undamaged?				
Are all safety and warning signs clearly displayed by the court/attraction?				
Are all railings or columns within 5 ft. (60") of any rebound device or entrance/exit properly padded?				
Are the electrical connections of the blower(s) and Blower Alarm System secured?				
Are the ratchet straps still intact and attaching the Air Bag (through at least two 2 D-Rings) to a strong object such as a trampoline frame? (Ensuring there is also some slack in the ratchet straps.)				
Is the blower (or blowers) functioning correctly with no air inlet blockage? (Also check if the tube is attached firmly and that there are no twists or kinks.)				
Are there any cracks, holes or tears in the Air Bag? (Also listen for any unwanted escaping air).				
Walk through the entire skirt to see if it holds a person at any point. While walking through, inspect if the Velcro of the Alligator clip is closed everywhere.				
Make sure the safety zone is correctly inflated by opening a small part of the skirt. (Lower yourself and stand on the safety zone. When standing on the safety zone you should not be able to sink down and touch the floor regardless of how long you stand there.)				
When inflated, does the Air Bag have the manufacturer's recommended shape?				
After test jumps from all jumping lanes, is the Air Bag's catch response as the manufacturer recommends?				
Is there any trash, dust, or debris in the pit?				
Do any of the trampoline mats have tears, holes, or rips?				
Do any of the safety pads have tears, holes, or rips?				
Is the Launch Box secured to the platform and without blemish or exposed sharp edges?				
Are the stairs of the High Jump immovable with anti-slip material?				

Are there any exposed sharp edges on the railings of the High Jump?				
Are all electrical connections properly hidden?				
Are the LED lights (if applicable) secured and functioning correctly, with no exposed wires?				
Are there any rips, tears or holes in the containment netting?				
Are all points of the containment netting properly secured with unblemished cables and turnbuckles?				
Are there any unstable points or potential tripping hazards on any nearby stairs?				

ADDITIONAL NOTES: _____

DATE & TIME ____/____/____ || ____:____ INSPECTOR _____

(By signing, you verify you have completed the inspections according to manufacturer recommendations and to the best of your ability.)

*Please also review and fulfill the Air Bag Manufacturer's Inspection sheets and inspection requirements.



For quality consistency, have each inspector complete a new sheet each day.
For features that may contain a more time-sensitive maintenance requirement, highlight the component line for the next weekly inspection and maintenance time.
When an inspection reveals a future service requirement, <i>that is currently not urgent</i> , the WATCH column should be used. Any components that have a WATCH note attached, should be shown to all Court Attendants so that they can monitor the issue throughout their shifts. This should be repeated daily until the component receives a service that returns it to a PASS status. Any components that receive a FAIL note should be serviced immediately, and the attraction must remain closed until the component is fixed and returns to a PASS status. WATCH and FAIL items should have pictures attached to each daily inspection until it returns to PASS status.
Upon completion, combine with the correlating Weekly Inspection Sheet and reconcile all services on the Monthly Maintenance Log. It is also recommended to include pictures of all replacements with any maintenance records.
When starting a new week, review the previous Weekly and Daily Inspection Logs to ensure the highlighted components lines were serviced.
Save all Inspection logs for your records, either digital or hardcopy, for at least 3 years or for the amount of time that your attorney/legal counsel advises.

For information regarding signs and timing of maintenance needs, review all of your individual attraction/feature manuals as well as the Maintenance Manual and the corresponding visual aids. Additional inspection and maintenance resources can be found on our operator's inspection and training app, SUMBA.

All inspections throughout the month should include obstructions, condition of impact attenuation materials and covers, placement and securement of impact attenuation materials, condition of trampoline beds and suspension system, condition of frame, condition of redundant bed or barrier netting underneath or behind trampoline beds, condition of containment system and netting, condition of communications devices, condition and placement of signage, condition of Air Bag pit and impact attenuation block material, condition of nets/goals/hoops and similar, condition of balls or other devices, condition of emergency response gear and first aid kits, condition of assembly area, and condition of adjacent platforms, entrances, exits, stairways, lifts, and ramps.

THANK YOU FOR BEING A VALUABLE FUN SPOT CUSTOMER!

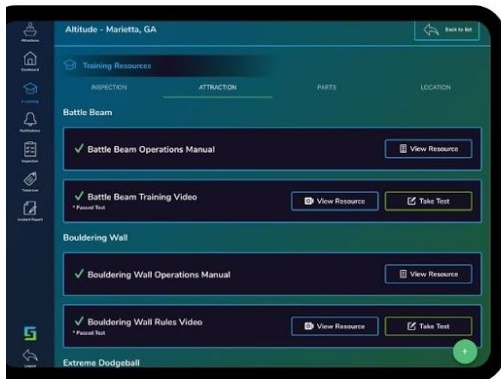
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