



TOXIC TWISTER OPERATION MANUAL

Galaxy Multi Rides



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Galaxy Multi Rides



GalaxyBulls



GalaxyBulls



GalaxyMultiRides

IAAPA



MEMBER



Amusement Device
Inspection Procedures Scheme



Welcome and thank you for purchasing Galaxy's Toxic Twister.

Please take some time and read through the contents of this manual
BEFORE you use your machine.

All operators who will use the Galaxy Toxic Twister **MUST read** this manual
to ensure a **safe operation** for your customers.

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Welcome!

All equipment manufactured by Galaxy Multi Rides is designed with a high regard for safety as well as operational ease.

The information contained within this manual will assist you and your operators in producing safe and enjoyable entertainment for your clients.

This instruction manual has been supplied for the purpose of assisting you in the proper and safe operation of your new Galaxy Multi Rides game. You can also find this manual online in our website. Look for "Safety and Training" under the "Resource" tab in www.galaxymultirides.com. You can also view our safety video ("How To" playlist) on our YouTube channel (www.youtube.com/galaxybulls).

This manual will also guide you through the proper set up procedures, ensuring the safest and most enjoyable experience for your clientele, and maintenance recommendations that will facilitate top performance and a long life for your game. Your inflatable attraction is constructed by following the procedures and using quality materials, all in compliance with the ASTM standards.

Galaxy Multi Rides takes great pride in delivering to you inflatable games manufactured, inspected and tested with a focus on the highest safety standards and top quality workmanship. Additionally, many other inspections and tests are performed to ensure your new game meets the first class standards of Galaxy Multi Rides.

Safety is everybody's major concern. At Galaxy we go to great lengths to ensure that our products are the safest on the market. On page 26, and in our website (look for "Safety and Training" under the "Resource" tab in www.galaxymultirides.com), there's a training Safety Questionnaire. **PLEASE, read this manual thoroughly and complete the questionnaire for every member of staff who's going to operate the ride.** All the answers to the questions are in this manual.

Once you've completed it, fax it to **0 845 625 0630** or email it to **customerservice@galaxymultirides.com**. If you do the test online, you don't need to fax it or email it: just click "Submit". We will check the questionnaire and if all the questions are answered correctly, we will issue a certificate of competence which can be given to your insurance company.

By having a quality safe machine and competent operators, this can only be a good thing, which will result in more cost effective insurance for everyone.

If you experience any difficulty in any of the procedures set forth in this manual, please call 941 697 0324.



Robin Whincup
President of Galaxy Multi Rides



What's in the Box



- 2 x Motion Base
- 8 x Steel Stabiliser
Legs
- 10 x Wheels
- 1 x Control Console
- 2 x Attachments -
Discs
- 3 x Power Leads
- 1 x Inflatable
- 2 x Electric Fans
- 2 x Protective Pad
- 1 x 19mm wrench

Electrical Information

MOTION BASES

2 Motion Bases powered by one motor of 1hp. via the control console.

BLOWERS

Powered by two 2hp. Operates from 230 volts single phase electricity 50hz. drawing 13 amps each. Maximum air volume: 1480cfm. Maximum static pressure: 10.8 inch.



Electrical Information

CONTROL CONSOLE

Operates from 230 volts single phase electricity 50hz. drawing 11 amps.



1. Emergency Stop
2. Power Light Indicator
3. Start Button
4. Volt Meter
5. Speed Control for Left Motion Base
6. Speed Control for Right Motion Base
7. Stop Button
8. Main Power Switch



1. Main Breakers
2. Contactor
3. Spare Emergency Stop Key
4. Breaker
5. Terminal Block
6. Inverter 1
7. Inverter 2
8. Transformer

WARNING

SWITCH OFF THE MAINS POWER BEFORE WORKING ON THE CONTROL CONSOLE AND MOTION BASE. ALL WORKS MUST BE CARRIED OUT BY A QUALIFIED ELECTRICIAN. **ELECTRIC CURRENT CAN KILL YOU.**



Setting Up Your Toxic Twister

1.



Prepare a clean, dry & flat surface and place the inflatable in the middle of the surface.

2.



Unroll the inflatable and pull it flat.

3.



Once it's unrolled, ensure to close the zips of the deflation flaps. There are 5 flaps in the inflatable.

4.



Once you have the inflatable open and laid flat, peel back the left and right sides up to the position of the two centre holes, this is where the two motion bases will be located.

Please note: the Emergency Stop button MUST ALWAYS BE DEPRESSED AND THE KEY REMOVED whenever you are setting up the ride or leaving the control console unattended.



Setting Up Your Toxic Twister

5.



To attach the spinning disks to the motion bases, first put the brake on the bottom wheels. Now place the spare wheel on the side, as shown in the picture on the right.



To hold the side wheel in position, make sure to tighten the bolt inside the motion base, first with your hands and finishing it up with the 19mm. wrench provided. Now you can lie the motion base down in its side.

6.



Make sure the mounting bracket is loose. Attach the disk to the motion system placing the sub frame in position and pulling it up.



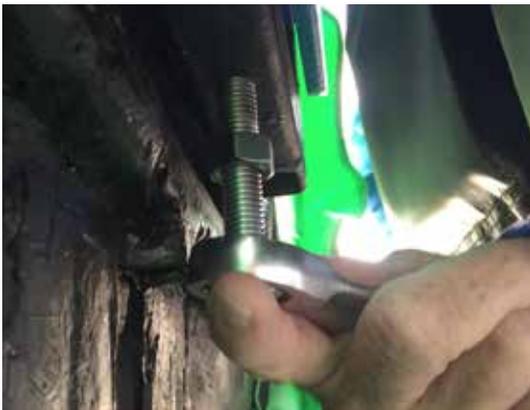
Please note: the Emergency Stop button MUST ALWAYS BE DEPRESSED AND THE KEY REMOVED whenever you are setting up the ride or leaving the control console unattended.



Setting Up Your Toxic Twister



First, tighten the two 12mm. bolts to clamp down the bracket with the 19mm. wrench doing 3 or 4 turns on each bolt at a time. These two bolts draw the frame back onto the mounting bracket.



Finally, tighten the 12mm. by 100mm. draw bolt until the ride frame is pulled up fully. Now, tighten up the locking nut on the draw bolt. This bolt pulls the frame down onto the motion base. Maximum torque of bolts: 40 inch pounds. **IT'S NOT NECESSARY TO OVER TIGHTEN THE BOLTS.**

7.



Now you can start placing the protective pad around the motion base. Leave it unattached where the side wheel is.

8.



Roll in the motion base on its side in the whole of the opened inflatable. Make sure to put the break on the bottom wheels before lifting it up.

Please note: the Emergency Stop button MUST ALWAYS BE DEPRESSED AND THE KEY REMOVED whenever you are setting up the ride or leaving the control console unattended.



Setting Up Your Toxic Twister

9.



Using the handles provided, lift up the motion base.



Remove the 3 bottom wheels and the top wheel. Untighten the bolts and remove.



Please note: the Emergency Stop button MUST ALWAYS BE DEPRESSED AND THE KEY REMOVED whenever you are setting up the ride or leaving the control console unattended.



Setting Up Your Toxic Twister

10.



Insert the stabiliser legs. The two longer legs will be looking to the outside side of the inflatable. The two shorter legs will be looking to the inside of the inflatable. Tighten the nuts with 19mm. wrench once the legs are inserted. Maximum torque of bolts: 40 inch pounds. **IT'S NOT NECESSARY TO OVER TIGHTEN THE BOLTS.**

11.



Now you can finish attaching the protective pad to the motion base.

12.



Plug in the power lead to the motion base. Repeat steps 5 to 12 on the second motion base.

13.



Ensure to unroll the cables and straighten them towards the front of the inflatable, where the control console will be.

Please note: the Emergency Stop button MUST ALWAYS BE DEPRESSED AND THE KEY REMOVED whenever you are setting up the ride or leaving the control console unattended.



Setting Up Your Toxic Twister

14.



Once you have both motion bases up, you can unroll the inflatable back in position.

15.



To connect the split bed together use the provided bungee cords.



Make a knot in the beginning of the bungee cord. Tie both sides of the inflatable aligning the holes and threading the bungee cord through the bottom, the through the top, and so on and so forth.



Once you reach the end, tie off with a knot.

Please note: the Emergency Stop button MUST ALWAYS BE DEPRESSED AND THE KEY REMOVED whenever you are setting up the ride or leaving the control console unattended.



Setting Up Your Toxic Twister



Once the bungee cord has been threaded, you can now velcro both sides together, using the "sandwich" method as depicted in the photo's. **WARNING: It is vital that the two joins are connected and sealed as instructed in pages 11 and 12. If this is not done correctly, there is a risk of injury to the participants.**

16.



Repeat step 15 to join the two sides of the KK safety cushions in the same manner.

17.



Now velcro this second layer with the "sandwich" system shown in the pictures.

Please note: the Emergency Stop button MUST ALWAYS BE DEPRESSED AND THE KEY REMOVED whenever you are setting up the ride or leaving the control console unattended.



Setting Up Your Toxic Twister

18.



Pull the blow tube over the blower and secure it with the belt attached. Inflation should be the last stage to be done (color may vary from the one pictured).



19.



Tightly velcro the inflatable covering both motion bases.

20.



There are 11 floor anchor points and 8 upper tethers. Anchors: Minimum of 19 anchors that combine with upper tethers are required.

Please note: the Emergency Stop button MUST ALWAYS BE DEPRESSED AND THE KEY REMOVED whenever you are setting up the ride or leaving the control console unattended.



Setting Up Your Toxic Twister

Outdoor Use: Stakes, if used, are to be a minimum of 18" in length and 5/8" diameter and driven completely into firm ground, such as grassed areas, or directly into asphalt. 24" stakes may be used with the stake buried a minimum of 75% (i.e. 18"). Loose soil is unacceptable. Ballast bags a minimum of 50lbs each are acceptable anchors for up to 20 mph winds.

20.



Plug in the mains power supply lead to the control console.

21.



Plug in the power leads from the motion base to the control console.

22.



Hide the cables under the inflatable ensuring they are not a tripping hazard.

Please note: the Emergency Stop button MUST ALWAYS BE DEPRESSED AND THE KEY REMOVED whenever you are setting up the ride or leaving the control console unattended.



Setting Up Your Toxic Twister

23.



Turn the Mains Power button in the control console on, then the key in the Emergency Stop button, and now you are ready to have fun in your Toxic Twister.

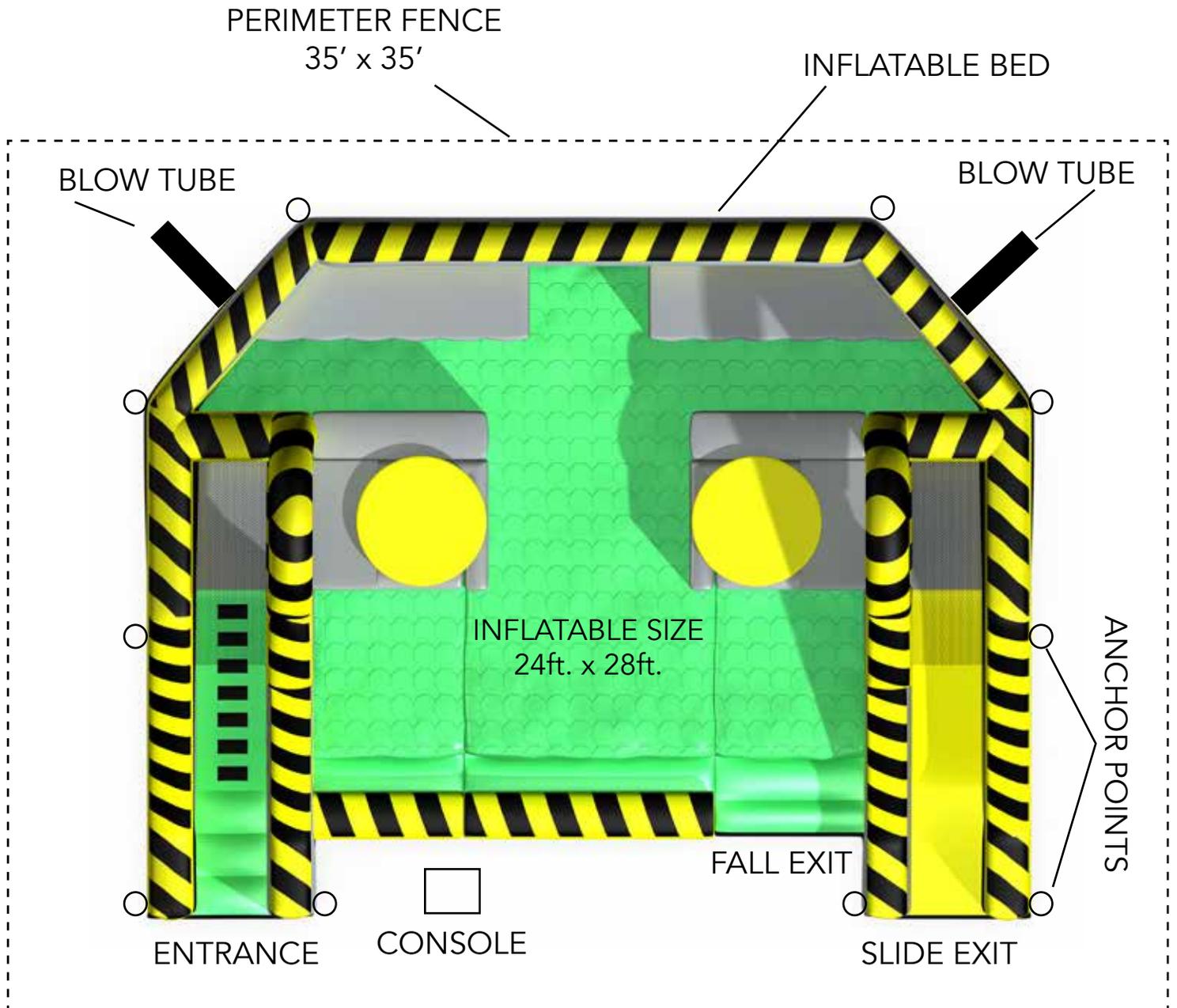
PLEASE NOTE

If you are operating on soft ground (eg: grass or sand), ensure that the motion base is placed on two sheets of 8ft. x 4ft. x 1in. thick plywood. This would ensure that the motion base does NOT dig into the ground. **DO NOT EVER FASTEN THE MOTION BASE TO THE FLOOR, UNDER ANY CIRCUMSTANCES.**

Please note: the Emergency Stop button **MUST ALWAYS BE DEPRESSED AND THE KEY REMOVED** whenever you are setting up the ride or leaving the control console unattended.



Set Up Diagram



Please note: the Emergency Stop button MUST ALWAYS BE DEPRESSED AND THE KEY REMOVED whenever you are setting up the ride or leaving the control console unattended.



Operating Your Toxic Twister

1. TOXIC TWISTER

Toxic Twister is a game where the players have to go through four 5' tall elevated walkways, of which two are spinning discs. The player has to stand on the first disc and make the leap to the rear platform. From there they jump the void that divides the rear platforms, and finally they have to jump the chasm to the final spinning disc.

2. FASCIA PANEL

Switch the power on by turning the red & yellow isolator switch to "ON". Ensure you release the Emergency Stop button by turning the key to the right. You will hear a click and your ride is now ready for use.

3. AUTOMATIC PROGRAMS

There is 1 automatic program. The speed of the spinning discs can be adjusted via the speed control dial.

4. NUMBER OF PARTICIPANTS

Toxic Twister can take up to 2 people at any one time: once the first person has jumped the second rear platform, you can send in the next one.

DO NOT ALLOW any player to jump between discs. DO NOT ALLOW any player to stay waiting in the KK safety cushions. If any player seems to be in distress, **STOP** the spinning discs and engage the Emergency Stop button.

5. PARTICIPANT PREPARATION

Ensure that all participants remove footwear, eye wear, cell phones, neck wear, and any sharp items on their person.

All participants must read the rules of play and sign the waiver. Instruct the participants that they must go up the left hand side, jump on the first disc, jump to the rear platform, jump again to the other rear platform, and from there to the second spinning disc to finally slide down the right hand side.

Verbally warn them not to jump from one spinning disc to the other. Also inform them that they may fall. If any players are in any doubt, they must NOT RIDE.

6. OPERATING THE RIDE

Toxic Twister is a fast obstacle course. The top speed of the discs is pre set. However, you can reduce the speed of the ride via the speed dial.

Always advise the participant that you are increasing the difficulty. If the participants do not want to go faster, respect their decision. **DO NOT** use the inflatable of this game as a bounce house. The rotating spinning discs can be stopped by pressing the **STOP** button. **The operator must keep their finger over the stop button and constantly watch the participants.**

Once the players have gone through the course, the operator must instruct them to leave the slide area or -if they have fallen- to exit the inflatable cushion via the doorway. **DO NOT ALLOW any other participants start their go before the existing participants have either jumped to the second rear platform or have vacated the inflatable cushion if they have fallen.** Repeat the - procedure.

In the event of an emergency:

- **Depress the Emergency Stop button and remove the key; then turn off the mains power switch. Instruct the players to evacuate the ride safely offering assistance if it is safe to do so. Once the players have evacuated the ride, unplug the control console and blower from the mains power outlet.**

In the event of loss of power to the inflatable -thus causing the inflatable to deflate-:

- **Depress the Emergency Stop button and remove the key; then turn off the mains power switch. Instruct the players to evacuate the ride safely offering assistance if it is safe to do so. Once the players have evacuated the ride, unplug the control console and blower from the mains power outlet.**

The Emergency Stop button MUST always be depressed and the key removed whenever you are setting up the game or leaving the control console unattended.

7. SPECTATORS

Do not allow spectators to sit/lean on or around the inflatable. We would recommend wherever



Operating Your Toxic Twister

possible to have an additional external barrier (see diagram example in the previous pages).

8. HEIGHT & WEIGHT OF THE PLAYERS

We recommend a minimum user height of 48 inches and a maximum weight of the participant of 250lbs.

9. GENERATORS

PLEASE NOTE: THE USE OF PORTABLE GENERATORS TO POWER THE MACHINE CAN DAMAGE THE ELECTRONICS.

If you must use a portable generator, invest in a branded generator such as Honda, Kawasaki or Briggs & Stratton. You will need a 5KVA diesel powered generator, as these give the best power and performance. Use an in line power surge protector between the generator and the control console.

10. KEEPING YOUR MACHINE SAFE

Whenever the machine is left unattended, switch off the isolator and press the Emergency Stop button. Make sure the key is removed. **DO NOT** use the Emergency Stop button to stop the ride. Use the normal stop button to stop the ride.

11. STANDARD DISCLAIMER

If the operator is in any doubt of the players' ability to participate safely, then the player should not be allowed to participate. **THE OPERATORS' DECISION IS ALWAYS FINAL.**

12. WHO SHOULD NOT PLAY

People should not use this ride if the player:

- Is Pregnant.
- Is under the influence of alcohol or drugs.
- Suffers from any of the following: Epilepsy, Muscular Complaints, Neck or Spinal (back) problems, or any other Physical Ailment that will inhibit the participant to ride safely.

13. DYNAMIC INFORMATION

- The recommended minimum **operating space** required is: 35' x 35' x 12' headroom.
- **Weights of individual components:**

- Motion base: 200lbs.
- Attachments: 45lbs.
- Control console: 46lbs.
- Inflatable: 869lbs.
- Electric blower: 30lbs.
- Stabiliser legs x 4: 28lbs.
- Total unladen load combined weight of the system when erected: 869lbs.
- Total maximum laden load (with heaviest rider): 1931lbs.

- **Maximum speeds:**

- Spin motor: 15.82rpm.

- **Power requirements:**

- The system operates from 220-230 volts single phase electricity 50hz. drawing 11 amps.
- The 2hp. inflation blowers for the inflatable operates from 220-230 volts single phase electricity 50hz. drawing 6.5 amps.
- Maximum air volume: 1480cfm.
- Maximum static pressure: 8.6 inch.

- **DO NOT operate when it is raining or snowing as there is a risk of electrocution.** In the event of a sudden rain/snow storm:

- Evacuate the ride.
- Turn off the control console and blower and disconnect the mains power cords from the electrical supply.
- Remove the control console & blower to covered shelter.
- Ensure that a tarpaulin or similar water proof cover is placed securely over the inflatable, attachment & motion base to prevent water damage. Once it has stopped raining/snowing, uncover the inflatable & motion base and check that there is no water leakage to these parts; ensure that any standing water is removed and/or relocate the ride to a dry location. **AT NO TIME should you use any electrical device when wet.**

- **DO NOT operate in winds of more than 20mph.**



RULES OF PLAY

DO DON'T

- Have a maximum of 2 players at a time.
 - Jump from disc 1 to rear platform 1, from there to rear platform 2, and finally to disc 2.
 - HAVE FUN!
- Jump from one disc to the other.
 - Stay around in the inflatable if you fall.
 - Enter the game through the slide (right hand side).

NO SHOES

NO SHARP OBJECTS

NO GLASSES

NO FLIPS

NO FIGHTING OR ROUGH HOUSING

NO CHEWING GUM

NO FOOD

NO DRINK

NO CLIMBING ON WALLS

NO HATS

WHO SHOULD NOT PLAY. People should not use this ride if the player:

- Is shorter than 48 inches | 1.22 meters and/or heavier than 250lbs. | 115kgs.
- Is Pregnant.
- Is under the influence of alcohol or drugs.
- Suffers from any of the following: Epilepsy, Muscular Complaints, Neck or Spinal (back) problems, or any other Physical Ailment that will inhibit the participant to ride safely.



Serial Number Location

There are 2 ID plates in your equipment, which include information such as:

- Manufacturer Details
- Serial Number
- Power Requirements
- Name of Equipment
- Name of Customer
- Date of Manufacture
- Initial Test and Date
- Yearly Tests
- Certifications

These ID plates can be found in these 2 locations:



On the inside the motion base panel.



On the inside of the control console door.



Trouble Shooting

Your Meltdown has been meticulously engineered and thoroughly tested before delivery. If, however, you unexpectedly experience difficulties, please check out the guide below. **We DO NOT warranty any parts that are damaged from using a generator.** If you have any questions or need help please contact us on: 941 697 0324 or sales@galaxymultirides.com.

POWER REQUIREMENTS

REGION	POWER REQUIREMENTS
Europe/Asia/South America/ Australasia	230 volts mains power single phase 4 amps at 50htz.
North America	110 volts mains power single phase 5.5 amps at 60htz.
Japan	90 -110 volts mains power single phase 5.5 amps at 60htz.

ELECTRICITY

WHAT IS THE POWER SOURCE	We recommend to work on mains power. THE USE OF PORTABLE GENERATORS TO POWER THE MACHINE CAN DAMAGE THE ELECTRONICS. But, if you must use a portable generator, invest in a branded generator such as Honda, Kawasaki or Briggs & Stratton. You will need a 5KVA diesel powered generator, as these give the best power and performance. Use an in line power surge protector between the generator and the control console.
HOW MANY AMPS ARE NEEDED	A Toxic Twister requires 15 amps.
WHAT IS THE OUTPUT POWER FROM THE POWER SOURCE	A Toxic Twister requires 220-230 volts.
VOLTAGE/AMP METER 	All machines manufactured after 1/8/2014 have a voltage/amp meter installed in the control console. This allows you to see the exact voltage/amps you're receiving from the power source.
LENGTH OF THE EXTENSION CORD AND GAUGE OF THE POWER CORD	Longer thinner power cords will always lose voltage.
THE RIDE IS REALLY SLOW	Check that you have enough voltage & amps to the machine. Once you go over a 30' extension cord, this can contribute to voltage drop: the longer the cord, the worse the problem will be.
THE RIDE MOVES FREELY WHEN IT'S NOT POWERED WHEN I MOVE IT	This is called back driving. It is a characteristic of this type of gearbox. Please be assured it has NO DETRIMENT to the machine at all. It will not happen when the machine is in operation.



Trouble Shooting

ISSUE: THE MACHINE WON'T SPIN

SOLUTIONS:



Is the Emergency Stop button released? Gently turn the key to the right, let go and the button pops up.



Is the LED display on the inverter showing 0.0? If not refer to the "Inverters" section on page 19.



Can you hear the motor humming (making noise) as if it is receiving power?

- If yes, the machine is missing a phase. There must be a loose wire/connection in either one of the cords or socket on the motion base or socket on the console. Open up every plug and socket and check the connections. Inspect all cords for any damage that may create a short.
- If not, we recommend a qualified electrician does a continuity test with a meter to determine what parts of the machine are receiving power.



Does the motor move when the impeller is manually moved? Rotate the fan blade by inserting a small screwdriver several times through the air grill pushing on the fan blade. If the motor makes connection with the gear box you will see the machine move fractionally. This means the motor and gearbox are ok and the problem is electrical. If you cannot get it to move, then the issue may be mechanical and the motion base would have to be returned for inspection. **THE MACHINE SHOULD BE UNPLUGGED WITH NO POWER COMING TO IT.**



Trouble Shooting

ISSUE: I HAVE NO POWER TO THE MACHINE

SOLUTIONS:

1.



Check the power cord is connected correctly.

2.



Check the wiring power cord terminals at each end.

3.



Check the breakers inside the control console.

4.



Check the Emergency Stop button is released.

5.



Check the contactor.



Trouble Shooting

ISSUE: THE INVERTER DOES NOT POWER UP OR THERE'S NO DISPLAY
SOLUTIONS:

1. 

Check the breakers inside the control console.
2. 

Check the Emergency Stop button is released.
3. 

Check the contactor.

ISSUE: AN ERROR COMES UP IN MY INVERTER

SOLUTION: This is call a "fault". A fault is a condition that stops the drive. Check in the tables below the most common fault numbers, types, description and actions to solve the error. First, there are two fault types:

TYPE	FAULT	DESCRIPTION
1	Auto-Reset/Run	When this type of fault occurs, and A451 [Auto Rstrt Tries] is set to a value greater than "0", a user-configurable timer, A452 [Auto Rstrt Delay], begins. When the timer reaches zero, the drive attempts to automatically reset the fault. If the condition that caused the fault is no longer present, the fault will be reset and the drive will be restarted.
2	Non-Resetable	This type of fault may require drive or motor repair, or is caused by wiring or programing errors. The cause of the fault must be corrected before the fault can be cleared.



Trouble Shooting

NO.	FAULT	TYPE	DESCRIPTION	ACTION
F2	Auxiliary Input	1	Auxiliary input interlock is open.	1. Check remote wiring. 2. Verify communications programming for intentional fault.
F3	Power Loss	2	DC bus voltage remained below 85% of nominal.	1. Monitor the incoming AC line for low voltage or line power interruption. 2. Check input fuses.
F4	Under Voltage	1	DC bus voltage fell below the minimum value.	Monitor the incoming AC line for low voltage or line power interruption
F5	Over Voltage	1	DC bus voltage exceeded maximum value.	Monitor the AC line for high line voltage or transient conditions. Bus overvoltage can also be caused by motor regeneration. Extend the decel time or install dynamic brake option.
F6	Motor Stalled	1	Drive is unable to accelerate motor.	Increase P109 and/or A402 [Accel Time x] or reduce load so drive output current does not exceed the current set by parameter A441 [Current Limit].
F7	Motor Overload	1	Internal electronic overload trip.	1. An excessive motor load exists. Reduce load so drive output current does not exceed the current set by parameter P103 [Motor OL Current]. 2. Verify A453 [Boost Select] setting.
F8	Heatsink OvrTmp	1	Heatsink temperature exceeds a predefined value.	1. Check for blocked or dirty heat sink fins. Verify that ambient temperature has not exceeded 40°C (104°F) for IP 30/NEMA 1/UL Type 1 installations or 50°C (122°F) for IP20/ Open type installations. 2. Check fan.
F12	HW OverCurrent	2	The drive output current has exceeded the hardware current limit.	Check programming. Check for excess load, improper A453 [Boost Select] setting, DC brake volts set too high or other causes of excess current.
F13	Ground Fault	2	A current path to earth ground has been detected at one or more of the drive output terminals.	Check the motor and external wiring to the drive output terminals for a grounded condition.



Trouble Shooting

NO.	FAULT	TYPE	DESCRIPTION	ACTION
F33	Auto Rstrt Tries	2	Drive unsuccessfully attempted to reset a fault and resume running for the programmed number of A451 [Auto Rstrt Tries]	Correct the cause of the fault and manually clear.
F38	Phase U to Gnd	2	A phase to ground fault has been detected between the drive and the motor in this phase.	<ol style="list-style-type: none"> 1. Check the wiring between the drive and motor. 2. Check motor for grounded phase. 3. Replace drive if fault cannot be cleared.
F39	Phase V to Gnd			
F40	Phase W to Gnd			
F41	Phase UV Short	2	Excessive current has been detected between these two output terminals.	<ol style="list-style-type: none"> 1. Check the motor and drive output terminal wiring for a shorted condition. 2. Replace drive if fault cannot be cleared.
F42	Phase UW Short			
F43	Phase VW Short			
F48	Params Defaulted		The drive was commanded to write default values to EEPROM	<ol style="list-style-type: none"> 1. Clear the fault or cycle power to the drive. 2. Program the drive parameters as needed.
F63	SW OverCurrent	1	Programmed A448 [SW Current Trip] has been exceeded.	Check load requirements and A448 [SW Current Trip] setting
F64	Drive Overload	2	Drive rating of 150% for 1 minute or 200% for 3 seconds has been exceeded.	Reduce load or extend Accel Time.
F70	Power Unit	2	Failure has been detected in the drive power section.	<ol style="list-style-type: none"> 1. Cycle power. 2. Replace drive if fault cannot be cleared.
F81	Comm Loss	2	RS485 (DSI) port stopped communicating.	<ol style="list-style-type: none"> 1. If adapter was not intentionally disconnected, check wiring to the port. Replace wiring, port expander, adapters or complete drive as required. 2. Check connection. 3. An adapter was intentionally disconnected. 4. Turn off using C304 [Comm Loss Action].



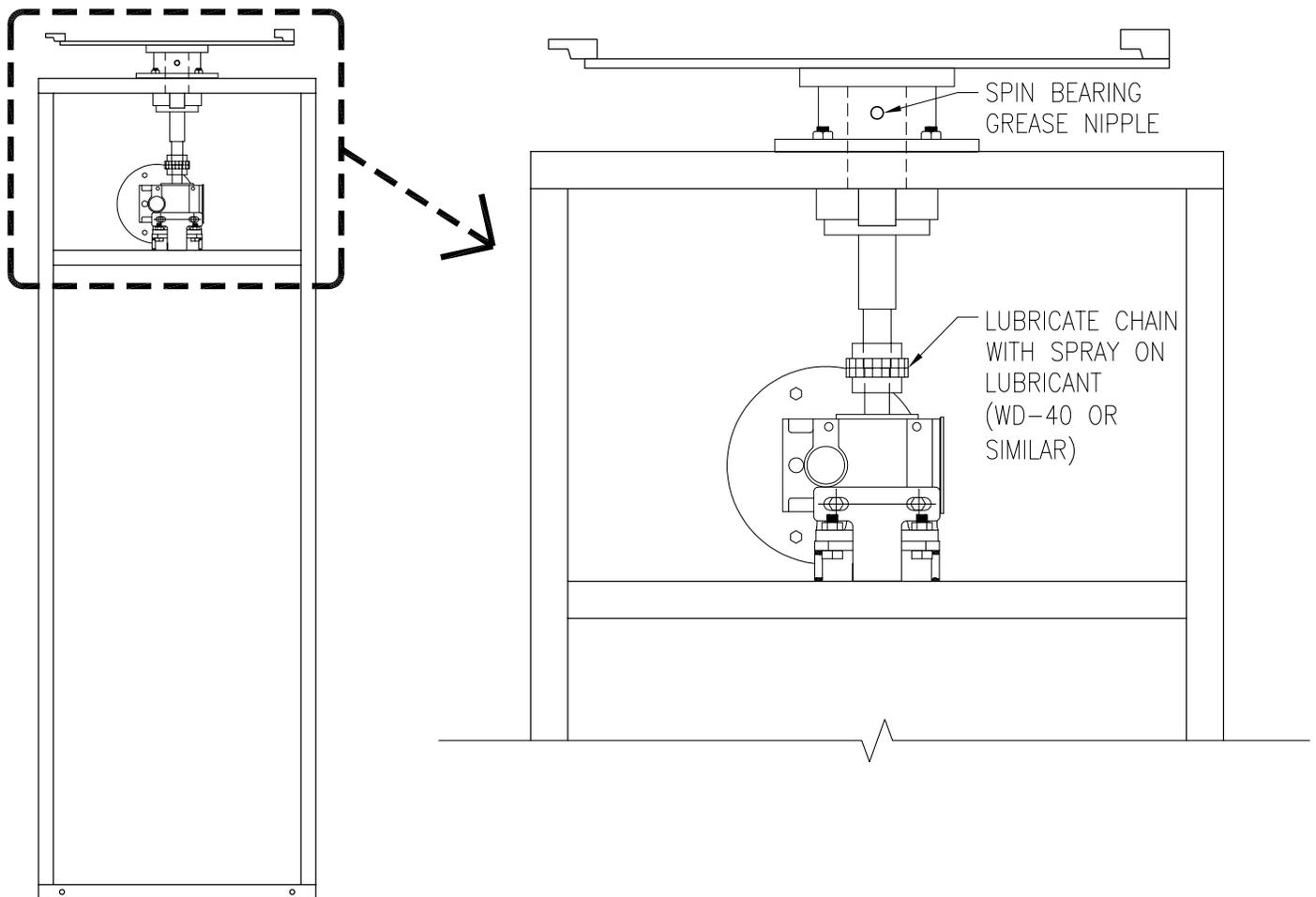
Trouble Shooting

F100	Parameter Checksum	2	The checksum read from the board does not match the checksum calculated.	Set P112 [Reset To Defaults] to option 1 "Reset Defaults".
F122	I/O Board Fail	2	Failure has been detected in the drive control and I/O section.	<ol style="list-style-type: none"> 1. Cycle power. 2. Replace drive if fault cannot be cleared.

ISSUE: THE MOTION BASE IS MAKING NOISES

SOLUTIONS:

Lubricate all bearings on the motion base and the drive chain inside the motion base. In the event of any other issue or problem with your motion base, please mark the location of the issue or problem in the following drawing and fax it back to us at (941) 697-1249.



Maintenance

ITEMS	MAINTENANCE
Inflatable	Wash down it with warm soapy water.
Electric Cables	Before each new event, check the electric cables and connections for wear or damage.
Lubrication	Lubricate spin bearing and drive chain every month (see drawing on page 30 and maintenance schedule in the next page).
Spinning Discs	Regularly check the spinning discs for any excessive wear and tear.
Nuts, Bolts and Fixings	Check all nuts, bolts and fixings are tight on a weekly basis.
Cleaning	Use spray polish to clean all high finish GRP surfaces.



Safety Check Routine (TO BE PERFORMED AT EVERY EVENT)

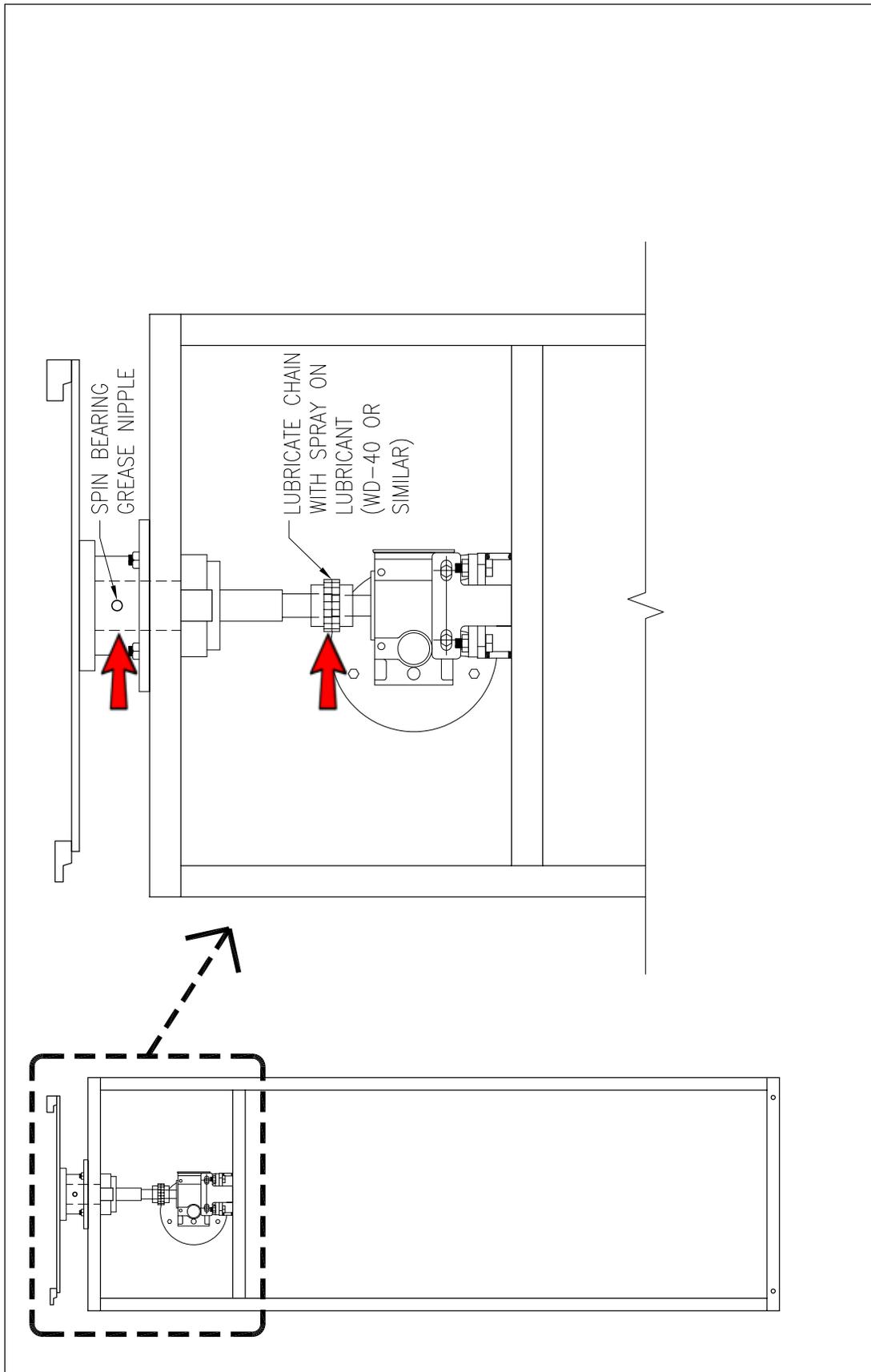
ITEMS	M	T	W	T	F	S	S
Check all electrical connections on all plug sockets							
Check all nuts and bolts are secure							
Check lubrication points. Lubricate if necessary							
Check all bearings							
Check all rod ends							
Check all fixings for the ride							
During the event, check the spinning discs periodically to secure connection to the motion base							
Check inflatable bed for holes and wear and tear							
Where applicable, ensure the inflatable is securely anchored to the subfloor							
Check the safety padding for holes and wear and tear							
Check the electric fan blower							
Check the spinning discs for any excessive wear and tear							
Automatic program buttons							
Check the Stop/Start button							
Check the manual speed dial							
Check the mains isolator							
Check the Emergency Stop button							

WARNING

DURING AN EVENT CHECK PERIODICALLY THAT THE BOLTS IN THE SPINNING DISCS ARE TIGHT.



Toxic Twister Motion Base Lubrication Points



Safety Questionnaire (Some of these questions can have multiple answers. PART 1)

Question 1

How many stabiliser legs are fitted to the motion bases?

1. 4
2. 6
3. 8

Question 2

How many bolts are tightened to secure ONE spinning disc to its motion base?

1. 1
2. 3
3. 6

Question 3

How many wheels are there to transport ONE motion base?

1. 4
2. 5
3. 6

Question 4

How many manual speed dials are there on the control console?

1. 1
2. 2
3. 3

Question 5

Should you secure the motion base to the floor?

1. Yes
2. No

Question 6

What's the recommended maximum user weight for the Toxic Twister?

1. 300lbs.
2. 250lbs.
3. 100lbs.

Question 7

What must the operator do at all times?

1. Talk to pretty girls/guys
2. Watch the rider in operation
3. Watch the clock on the console

Question 8

When should the Emergency Stop button be used?

1. Every time to stop the ride
2. When the console is left unattended
3. In emergency situations to kill the power

Question 9

What is the voltage required for the Meltdown?

1. 110 volts
2. 440 volts
3. 230 volts

Question 10

How many players are allowed on the ride at any one time?

1. 1
2. 2
3. 4

Question 11

What's the recommended minimum user height for the Meltdown?

1. 36 inches
2. 48 inches
3. 60 inches

Question 12

The blowers are connected to the front of the inflatable.

1. True
2. False

Question 13

Which is the correct way to have your system cables set up?

1. It doesn't matter
2. In a line from the motion base to the console
3. Twisted from the motion base to the console

Question 14

How many lubrication points are there in the motion base?

1. 5
2. 3
3. 1

Question 15

How fast do the discs spin on the Toxic Twister?

1. 15-16 rpm.
2. 30-31 rpm.
3. The Toxic Twister doesn't buck

Question 16

It's safe to operate the Toxic Twister in the rain.

1. True
2. False



Safety Questionnaire (Some of these questions can have multiple answers. PART 2)

Question 17

What should the operator do once the game has finished?

1. Allow the next players on immediately
2. Make sure that the players have exited the inflatable before the next group are allowed in
3. Get on the inflatable and drag them off

Question 18

How do you insert the motion bases in the inflatable?

1. Lifting the inflatable over them.
2. Rolling it over the inflatable.
3. Opening the inflatable through the openings available.

Question 19

Is it safe to use a surf board, skate board or snowboard in this motion base?

1. Yes
2. No

Question 20

How do you join the openings in the inflatable?

1. With bungee cords and velcro.
2. With bungee cords ONLY.
3. With velcro ONLY.

Question 21

How many power cords go from the motion bases to the console on the Toxic Twister?

1. 2
2. 3
3. 5

Question 22

How many people should be allowed to be on the platforms at any one time?

1. 0
2. 2
3. 3 or more is fine

Question 23

How many spectators should be allowed to sit/lean on or around the inflatable wall?

1. 20
2. 10
3. 0

Question 24

The inflatable can be used as a bounce house.

1. Yes
2. No

Question 25

How many automatic programs does the Toxic Twister have?

1. 1
2. 2
3. None

Question 26

What is the procedure in the event of an emergency?

1. Walk away and go for a cup of coffee
2. Continue normal operation
3. Press the Emergency Stop button and evacuate the ride

Question 27

Is it recommended to leave the machine unattended?

1. Yes
2. No

PLEASE NOTE

Complete this questionnaire and fax it back to 941 697 1249 or email it to customerservice@galaxymultirides.com.

You can now also take this test online at galaxymultirides.com/safety-training. Once you've completed it, simply click "Submit".

If you have answered the questions correctly, we will issue a Certificate of Training for your Galaxy Mechanical Multi Ride, which can be given to your insurance company.



Risk Assessment for the Galaxy Multi Ride

This risk assessment is specifically for the Galaxy Multi Ride and is not applicable to any other brand of mechanical multi ride system.

1. RISK

Sudden deflation of inflatable surround.

SOLUTION

Stop the ride immediately and evacuate the participants. Check the blower: is there power to the blower?

- If no, check fuse and mains supply and power cable for any damage.
- If yes, check the air intake on the blower is not blocked. Check & ensure deflation zips are fully closed. Check to make sure there are no tears or holes in the inflatable.

2. RISK

The motion base is rocking & unstable.

SOLUTION

Stop the ride immediately and evacuate the players; ensure that you have secured the four steel stabiliser legs in to the motion base properly.

3. RISK

The spinning discs of the Toxic Twister are loose and wobbling.

SOLUTION

Stop the ride immediately and evacuate the participants. Ensure that the spinning discs are connected to the top of the motion bases correctly and ensure that all three screw bolts are securely tightened.

4. RISK

The view of the operator is obscured by the audience.

SOLUTION

Stop the ride immediately and evacuate the players. Ensure that the control console is pushed up to the edge of the inflatable cushion so no one can stand in front of the operator.

5. RISK

Trip hazard from trailing cables.

SOLUTION

Ensure all trailing cables & cords are taped to the sub floor or covered with a suitable matting or trunking.

6. RISK

The participants are able to touch the ceiling or hanging light.

SOLUTION

Stop the ride immediately and evacuate the participants. The minimum headroom required is 12' (3.5m.). Do not use the ride in buildings or areas with any less headroom.

7. RISK

Potential collision by the participants with a member of the audience.

SOLUTION

Stop the ride immediately and evacuate the players. Ensure that no member of the public/ audience is allowed to sit on the edge of the inflatable surround. Erect a secondary perimeter barrier 3' (1m.) away from the edge of the inflatable surround.



Release Of Liability And Assumption Of Risk

In consideration of the services of _____, its employees and agents (collectively, "_____"), I agree to release, hold harmless and indemnify _____, on behalf of myself and my family members, partners, heirs and assigns as follows:

1. I acknowledge that riding a _____ (name of the ride) entails risks that could result in physical or emotional injury, paralysis, death, injury or damage to me, to property, or to third parties. I understand that the risks cannot be eliminated without jeopardizing the essential qualities of the activity. The risks could result in musculoskeletal injuries, including head, neck, and back injuries.
2. I accept and assume all the risks of participating in this activity. My participation in this activity is purely voluntary, and I elect to participate in spite of the risks.
3. **I release and agree to indemnify and hold harmless _____ from any claims** that are in any way connected with my participation in this activity or my use of _____ equipment or facilities, **including claims that _____ was negligent.** However, I do not release any claims related to intentional or reckless acts by _____.
4. I have adequate insurance to cover any injury or damage I may cause or suffer while participating or I agree to bear the costs of any injury or damage.
5. I agree that, if I bring a lawsuit against _____, I will do so solely in the State of _____ and the substantive law of the State of _____ will apply in that lawsuit without regard to the conflict of law rules. I agree that if any portion of this agreement is found to be void or unenforceable, the remaining portions shall remain in full force and effect.

By signing this document, I acknowledge that if that anyone is hurt or property is damaged during my participation in this activity, I may be found by a court of law to have waived my right to maintain a lawsuit against _____ on the basis of any claim from which I have released them. I have had sufficient opportunity to read this agreement. I have read and understood it, and agree to be bound by its terms.

Signature of Participant: _____

Print Name of Participant: _____ Date: _____

PARENT'S OR GUARDIAN'S ADDITIONAL INDEMNIFICATION (Must be completed for participants under the age of 18)

In consideration of _____ ("Minor") being permitted by _____ to participate in its activities and to use its equipment and facilities, I further agree to indemnify and hold harmless _____ from all claims which are brought by or on behalf of Minor and which are in any way connected with Minor's use or participation. I have full authority to sign this agreement on behalf of Minor.

Signature of Parent or Guardian: _____

Print Name of Parent or Guardian: _____ Date: _____



Incident Report

OWNER'S NAME:

TRADE NAME:

ADDRESS:

PHONE NUMBER:

TODAY'S DATE:

LOCATION OF THE INCIDENT:

DATE AND TIME OF THE INCIDENT:

NAME OF PERSON FILLING THE FORM:

TITLE OF PERSON FILLING THE FORM:

INFORMATION OF THE PERSON INJURED AND INCIDENT	
FULL NAME	
AGE	
ADDRESS	
INCIDENT SEVERITY	
DESCRIBE THE NATURE OF INJURY	
WEATHER CONDITIONS	
DESCRIPTION OF INCIDENT	
NAME OF OPERATOR	
WITNESSES (include names, addresses, and relation to the owner or injured)	

DISCLAIMER: This checklist is intended as a suggested guideline. It is recommended that an incident report include but should not be limited to the items listed on this form.



FR Test Certificates



TEST REPORT

No. : GZIN1502006276PS

Date : Feb 15, 2015

Page: 1 of 4

CUSTOMER NAME: GUANGZHOU PLATO PLASTIC CO., LTD
ADDRESS: DAYUAN VILLAGE HENGLI TOWN NANSHA DISTRICT GUANGZHOU
CITY GUANGDONG CHINA

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name : PVC TARPAULIN
SGS Ref. No. : SDHG1502002308FB
Manufacturer : PLATO PLASTIC CO.,LTD
Date of Receipt : Feb 11, 2015
Testing Start Date : Feb 11, 2015
Testing End Date : Feb 15, 2015
Test result(s) : For further details, please refer to the following page(s)

Signed for
SGS-CSTC Standards Technical
Services Co., Ltd. GZ Branch Testing
Center

Eleain Fan
Authorized signatory



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TEST REPORT

No. : GZIN1502006276PS

Date : Feb 15, 2015

Page: 2 of 4

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Flame Test	NFPA 701 Test Method 1-2010	See Result	Pass

Note: Pass : Meet the requirements;
Fail : Does not meet the requirements;
/ : Not Apply to the judgment.

Original Sample Photo:



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TEST REPORT

No. : GZIN1502006276PS

Date : Feb 15, 2015

Page: 3 of 4

Test Conducted:

NFPA 701 Test Method 1-2010 Edition: Standard Methods of Fire Tests for Flame Propagation of Textiles and Films

General Information:

Materials / Color	PVC / Purple	Weight	669 g/m ²
Refurbishing or Weathering Conditions	NO (As per client's requirement)		
Conditioning	Dry at (105±3)°C, Duration: 30min Temperature: (20±5) °C, Relative Humidity: (50±5)%, Duration: 24 h		

Requirements:

1. Fragments or residues of specimens that fall to the floor of the test chamber shall not continue to burn for more than an average of 2 seconds per specimen for the sample of 10 specimen.
2. The average weight loss of the 10 specimen in a sample shall be 40 percent or less.
3. No individual specimen's percent mass loss shall deviate more than 3 standard deviations from the mean for the 10 specimens.



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Guangzhou Branch, Standards Laboratory

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TEST REPORT

No. : GZIN1502006276PS
Date : Feb 15, 2015
Page: 4 of 4

Test Results:

Specimen	Original Mass (g)	Post Mass (g)	Residues (seconds)	Mass Loss (percent)
1	40.2	32.8	0.0	18.4
2	40.5	39.3	0.0	3.0
3	39.7	35.7	0.0	10.1
4	40.6	39.2	0.0	3.4
5	40.6	33.8	0.0	16.7
6	40.8	38.7	0.0	5.1
7	39.8	38.5	0.0	3.3
8	40.3	39.2	0.0	2.7
9	40.4	37.4	0.0	7.4
10	39.9	38.5	0.0	3.5
AVG			0.0	7.4
3*STDEV			---	17.6
AVG+3STDEV			---	25.0

Conclusion: PASS

Appendix Information:

The above test was carried out by SGS internal laboratory.

***** End of report*****



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Manufacturer's Inspection

RIDE:

LOCATION:

ITEMS	COMMENTS
Unit inflates properly	
Seams are inspected	
Doors are inspected for proper fit	
Spouts are inspected	
Zippers inspected	
Unit is coded	
Instructions and labels included	
Sand bags and/or stakes included	
Hadware included	
Hardware inspected	
All tie downs are in place	
All anchor points are sound	
Unit has correct amount of inflation (no sagging or buckles in walls, floor and roof)	
Motion base and control console inspected	
Ride attachment inspected	
General	

SHIPPED TO

MANUFACTURER: Galaxy America	REF: ASTM F 846-92
-------------------------------------	---------------------------

I, _____, hereby certify as follows:
 _____ has been inspected and tested upon completion of assembly and
(RIDE NAME)
 prior to shipping to _____ . _____ is in proper
(PURCHASER) (RIDE NAME)
 and safe working order.

Signature: _____ Date: _____



Warranty

Galaxy Multi Rides warrants its mechanical rides to be free from defects in materials and workmanship for a period of five years after delivery to the purchaser by Galaxy America or an authorized Galaxy America distributor as the case may be* (see exclusions).

Galaxy Multi Rides is proud to announce we are now offering a 5 year warranty* on all new systems as of August 1st 2014. We have so much confidence in the quality of our products, we are more than happy to offer a five-year warranty giving 100% piece of mind that your investment is covered for 5 years.

To qualify you have to return your system to us every twelve months for a **free** inspection service. At the same time you are entitled to a **free training refresher course**; maybe you have a new member of staff or you just want an update on the safety procedures?

We are here to serve: our aim is for everyone to be able to offer a high quality well maintained ride attraction with competent fully trained operators.

Ultimately it will result in lower insurance premiums and will set you apart from the competition.

Some customers are concerned about the cost of shipping it back. We have done some sample costing on the shipping:

- The worse case scenario is around \$700 return shipping from Seattle.
- This is only \$13.50 a week investment to give you piece of mind for a well maintained system over 5 years.

We are sure you will agree this is well worth it.

During the warranty period, if the mechanical ride is found by Galaxy America, in its sole judgment, to be defective, will be repaired or replaced, at the option of Galaxy America, without charge to the purchaser, except for the cost of freight and mailing.

Galaxy America disclaims liability for any incidental or consequential damages whatsoever.

The foregoing express warranty constitutes the sole and exclusive remedy of the purchaser and the limit of Galaxy America's liability.

This warranty is given in lieu of any and all other warranties, including, without limitation, the implied warranties of merchantability and fitness for particular purpose are specifically disclaimed.

*Terms & Conditions of Warranty

- The mechanical motion base and electrical control console are covered for parts against component failure, for five years.
- The motion base and control console must be sent to our factory in Harrogate, North Yorkshire (England) every twelve months for a standard inspection service, which is free.
- If we find any component that needs repair or replacing we will do it, or if it is not a warranty issue we will advise the customer first.
- If the motion base and console are not serviced by us every twelve months the warranty is voided.
- The inflatable cushion and ride attachment are covered for two years.
- All warranties do not cover normal wear, tear, abuse or accidental damage.
- If the warranty is not validated by a completed Certificate of Training within one month of Purchase the warranty is voided.
- The following components are not included in the warranty as they are deemed as consumable items: cow hide, grab ropes and handles, rubber horns, ears, graphics, and art work.



Terms and Conditions of Sale

Big Sky Leisure Limited ("Company") hereby offers its products for sale to Customers, upon the following terms and conditions. The Company may revise these conditions of sale at any time. Customers hereby expressly agree that the terms and conditions contained herein shall govern the contract of sale between Company and Customer. In the event of a difference in terms between this document and any Customer-drafted ordered document, the terms and conditions herein shall nevertheless still govern and control the terms of sale.

A. GENERAL CONTRACT TERMS & CONDITIONS

1. Company agrees to honour all price quotations for 30 days (subject to the availability of the goods at the date of acceptance of order or Confirmation by Company).
2. Order acceptance by the Customer must be by way of an unqualified acceptance of our written quotations and its contents, terms and conditions.
3. Descriptions, illustrations, specifications, drawings and particulars of weights and dimensions contained in our catalogues, advertisements and other literature are approximate only.
4. Any amendment of these conditions of sales shall not be valid, unless and until expressly agreed by the Company, in writing.
5. No binding contract of sale shall exist unless and until the Company's written confirmation of the Customers' order is sent by the Company and then received back signed by the Customer.
6. Customers acceptance of delivery of the goods shall be deemed conclusive evidence of the Customers acceptance of the conditions.

B. CHANGES IN PRODUCT SPECIFICATIONS

1. The company reserves the right to make changes in its products at any times without notice, including changes in the materials, dimensions, colours, and design of our products and such changes shall not affect the validity of any contract, so long as such variations and modification do not adversely affect in any material way the performance of the products, or the overall quality of the product. Dimensions quoted are estimates.

C. COMPLAINTS AND WARRANTY

Any implied warranty of merchantability, implied warranty of fitness, and warranty of title is excluded from this Contract. There are no warranties which extend beyond the description on the face hereof.

Company's liability with respect to any defect in goods or for any loss, injury, or damage attributable thereto shall be limited to one of the following as determined by the Company in its sole and absolute discretion: (a) supplying new goods in exchange for defective goods, or (b) repairing defective goods at the Company's facilities with Buyer being responsible for transporting the goods to and from the facilities and all costs of repair. In no circumstance shall Company be liable for consequential losses or damages. No claim against Company shall be valid unless and until: (a) the claim is specifically detailed in writing to Company within the specific warranty period of the goods' delivery date, and (b) Company has examined the goods (in the case of returned goods), and (c) goods are installed and demonstrated at the time of installation by the Company or installed by Buyer as directed by the Company. Buyer agrees that the goods have a limited life, the length of which is determined by the amount of use. Consequently, goods used extensively will not last as long as goods used occasionally. Buyer agrees that it has no claim for any loss or damage because of goods deteriorating through use. Play items fitted on an inflatable are subjected to abnormal wear and shall not be the subject of a warranty claim of any nature.

Any defect arising from misuse, abuse, or disregard of the Company's operation instructions automatically invalidates any and all warranties. Rubber heads, horns and ears, bull hide, grab ropes, jack plug and sockets for connections, carpet/vinyl base, graphics and artwork are not covered by any warranty whatsoever.

All goods returned to Company for work under warranty or work undertaken at Buyer's request and at its cost shall be returned in a clean and dry condition properly rolled and/or packed. Should Company judge that the goods are not in fit condition as to cleanliness, Buyer shall bear all costs of putting such goods in fit condition by removing them for cleaning or providing labor to return the goods to fit condition. Whether repair work is done under warranty or upon Buyer's commission, Buyer is responsible for the cost of shipping goods to and from the Company.

The mechanical motion base and electrical control console are covered for parts against component failure, for five years. The motion base and control console must be sent to our factory in Wetherby, West Yorkshire (UK) every twelve months for a standard inspection service, which is free. We will check the motion base & console, lubricate all bearings, check all the electronics and give them a thorough clean.

If we find any component that needs repair or replacing we will do it, or if it is not a warranty issue we will advise the Customer first. If the motion base & console are not serviced by us every twelve months the warranty is voided. The inflatable cushion and ride attachment are covered for two years.

All goods should be returned to the Company for work under warranty or work undertaken at Buyer's request. Any "Do It Yourself" (DIY) repair performed by the Buyer or the Buyer's contractor or service provider voids our warranty and transfers liability for any damage during the repair or for any damage as a result of the repair to the Buyer and/or contractor

and/or service provider performing the aforementioned repair. If the warranty is not validated by a completed Certificate of Training within one month of Purchase the warranty is voided.

D. PRICES/PAYMENT

1. Unless agreed to in writing or otherwise, all prices quoted are for goods ex works Wetherby, West Yorkshire (UK).
2. The Company reserves the right to change prices, in the event of fluctuations in the cost of labour, materials, currency exchange rates, or import duty, which occur in the course of manufacturing the goods.
3. **A 50% deposit is payable with the order, unless otherwise stated in writing.**
4. Balance of the price to be paid and cleared funds prior to dispatch.
5. Prices exclude VAT where applicable. Unless otherwise stated in writing.
6. **The deposit is not refundable.**
7. The equipment remains the property of the Vendor until such time all the money due for the purchase of the said equipment is received and until such time the Customer is expressly prohibited from selling, parting with possession, charging, hiring or otherwise disposing of the equipment. If, nonetheless, the Customer acts in breach of this clause, he should be deemed to do so as a fiduciary agent of the Vendor. Furthermore, until such money is received, the Purchaser is under obligation to keep the equipment in good condition and in full working order. In the event of any failure by the Purchaser to pay the Vendor any sums due in respect of the said equipment in accordance with the agreed terms, or in the event of any other breach by the Purchaser of these terms and conditions or in the event of bankruptcy before final payment, the Vendor shall be entitled forthwith to retake possession of the equipment.
8. Although the above clause exists, the Purchaser is still responsible for the money (equal to the price of the equipment) should the equipment be damaged or destroyed or become unusable due to changes in the law or the imposition of taxes or any other reason the Vendor may have not wishing to repossess the equipment. Any money paid as deposit, or otherwise, towards the purchase of the equipment shall be forfeited if repossession of the equipment by the Vendor or his appointed agent, takes place due to non-settlement of the outstanding balance.

E. DELIVERY

1. **Shipping dates are an indication of endeavour to comply, but not guaranteed and are not the essence of any contract. All goods are shipped on an ex works basis; the goods must be paid in full with cleared funds prior to dispatch. The customer is responsible for the cost of shipping.**
2. **Deliveries by road, rail, air or sea will be charged for at cost. The Customer is responsible for goods in transit insurance for all equipment.**
3. **Risk in goods passes to the Customer at the time of dispatch; thereafter the Customer shall affect all reasonable insurance.**
4. **Save as aforesaid and without prejudice thereto the Company shall not be liable for consequential loss or other damages howsoever arising.**
5. **All Customers must examine all goods/packages for any breakages prior to signing the receipt of shipping document. If any breakages are found you must notify the Company and the shipping line immediately. Failure to do so may invalidate any claim for damages.**

F. EXPORT/IMPORT

1. **Contract is subjected to our obtaining any necessary export permissions.**
2. Customer is bound to obtain all necessary import permissions, failing which Customer is in breach.
3. Prices **exclude** import duties, taxes, landing, warehousing, etc. Unless otherwise stated, Customer is liable for all duties & taxes payable in their own country to where goods are delivered.
4. Unless otherwise stated, all payments/outstanding balances are due payable before dispatch.

G. COPYRIGHT

All drawings, designs, brochures & promotional material prepared by us remain our property, and must not be reproduced in any manner without our permission in writing. In providing any specification or description to us for manufacture the Customer binds himself to indemnify us completely should manufacture in accordance therewith infringe the rights of any person.

H. TRADEMARK

We reserve the right to display our trademark on all our products, and action will be taken against anyone removing or defacing such trademarks.

I. LAW

This agreement shall be made and take effect as a contract made in England and in accordance with the laws of England and the Customer hereby submits to the jurisdiction of the High Court of Justice in England. The Company's Terms and Conditions supersede all others and are final. Dealers and Distributors are not agents of the Company and have absolutely no authority to bind the Company by any expressed or implied undertaking or representation.

