Owners manual

Device: 4 in 1 bungee trampoline
Serial number: 
Date of manufacture: 2009

including

• Set up guide
• Operators manual
• Instructions for jumpers
• Log book
• Risk assessment
• Other instructions
• Spares
• Daily check list

Www.bungeetrampoline.com
Welcome to the original bungee trampoline

It is with great pleasure that we congratulate you on your purchase and welcome you to bungeetrampoline.com. We are excited about our products and feel confident that through proper planning, placement and hard work, the 4 in 1 trampoline system will be a rewarding and profitable purchase. Our philosophy is centered on a commitment to excellence in meeting the needs of our customers, providing a quality product that is safe, exciting and profitable. We encourage you to likewise develop a standard of quality and service that makes you the leader in supplying 4 in 1 trampoline systems for the amusement, entertainment and special attractions market.

Our goal is to establish a relationship with your company. One that will promote bungeetrampoline.com and your company, as successful partners, providing entertainment for those whom are looking for a amusement attraction.

Our part in making our team successful is:
Commitment to proper, effective, Safe and profitable design
Seven days per week customer service support
Manufacturing to a.d.i.p.s safety standards for the amusement industry
Cycle time that generates high profits

Your part in building a successful business using bungeetrampoline.com products is:
Commitment to safe operation
Consistent inspection for proper maintenance
Effective marketing and promotion
Active promotion of the activity
We are looking forward to a long and prosperous relationship. Should you have any comments or questions, please do not hesitate in calling.

Sincerely,

Jonathan crick
bungeetrampoline.com
Tel 0044 7973 345061
Email info@bungeetrampoline.com
Http://www.bungeetrampoline.com
This manual and the content within this manual are for the exclusive use and operation of the 4 in 1 trampoline system by the owner of the 4 in 1 trampoline system and its authorized personnel and for bungeetrampoline.com. This manual is designed to provide accurate and authoritative information in regard to the subject matter covered. This manual may not be reproduced in whole or part in any form or by any means, without the prior written consent of bungeetrampoline.com

**Confidentiality**
This manual contains proprietary information belonging to bungeetrampoline.com. It is to be viewed only by persons employed by bungeetrampoline.com, and/or the 4 in 1 trampoline system owner and authorized personnel.

**Distribution**
This manual is not to be distributed to any other persons other than those actively engaged in the operating and/or marketing of the 4 WAY trampoline system product to customers serviced by the owner of the 4 WAY trampoline system.

**Disposition**
This manual is the property of the 4 WAY trampoline system owner and Bungee trampoline.com, Ltd. and must be returned to Bungee trampoline.com, upon receipt of an updated manual or discarded.

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

**Notice Of Changes**
In the event that revisions are made to this manual, bungee trampoline.com will add changes to the manual on our website where you will be able to download the latest version. (call for details)

Any pages that are then outdated must be destroyed and discarded.

Hard copies of the new manuals can be brought from bungee trampolines web shop

Please check regularly for the latest up dates.
INTRODUCTION

The purpose of this manual is to explain the guidelines by which the operator must operate this attraction. It is an important and informative part of the training program. The goal of the manual is to help you become an efficient, knowledgeable, and well-trained operator. It is important that you read your operator’s manual carefully and follow these rules in performing your job. Never deviate from the standard operating procedures outlined in this manual without approval. If procedures or instructional material seem unclear, please feel free to ask questions at any time during your training. Remember to always be thinking SAFETY while operating BUNGEE TRAMPOLINE. This manual has been designed to help you understand this attraction. It is not, however, a substitute for the in-depth, on-location training you will receive. Rather, it has been designed as a training supplement and should be used as such. Copies of this manual are kept on location. Operators are encouraged to access the manual at any time to seek information or clarification.
GENERAL SAFETY

It is, and always has been, the policy at Bungee Trampoline that SAFETY COMES FIRST. As an Operator/Owner it is your responsibility to oversee the operation of the attraction and prevent and/or take action to prevent those situations that could constitute a safety problem.

Safety is engineered into your area but there is no substitute for alertness on your part: your every action and movement must reflect this reality. Look and listen for changes in your every environment, which might indicate a problem. If you think that there is something wrong or unsafe, do not hesitate to stop the operation and contact your supervisor and maintenance immediately. We are always striving to improve our safety program. If you ever have any suggestions, please let us know. At no time should you as a team member sacrifice safety for any reason.

To assist you in this responsibility, you will be trained in all operational aspects of the attraction, as well as being tested to ensure that the proper knowledge has been transmitted and retrained. As an operator, you will become familiar with the attraction; noises, procedures, nuances, and any changes in its operation or surroundings will be quite apparent to you. Notify your supervisor should you notice a change in the way the attraction operates, or if you receive a comment from our guests. All questions and concerns regarding a safe operation MUST be checked out, verified and/or corrected immediately. Safety is an issue that this company will not compromise; it is an issue that needs to be one of the foremost thoughts on the minds of each and every operator's mind.
We before operating

We recommend

You and your staff Read and fully understand this manual

You get a copy of hse guide to fair grounds and amusement parks (isbn 978 0 7176 6249 4) you can get it on line here [http://www.hse.gov.uk/pubns/books/hsg175.htm](http://www.hse.gov.uk/pubns/books/hsg175.htm)

If operating in the uk get a qualified ADIPS inspector to inspect the bungee trampoline

If outside the uk get your local safety scheme agents to inspect the bungee trampoline
**About ADIPS**

The Organisational Structure of ADIPS

The Amusement Device Safety Council (ADSC)

ADSC is the policy making body for safety, self regulation and technical guidance in the UK amusement industry. This committee, in partnership with HSE, develops the policy for, and oversees the Amusement Device Inspection Procedures Scheme (ADIPS). In addition it is the focal point for industry related safety matters. It also provides the Directors for ADIPS.

Committee members include:

- ACES Amusement Catering Equipment Society
- ALES Amusement and Leisure Equipment Suppliers
- AIS Association of Independent Showmen
- BACTA British Amusement Catering Trade Association
- BALPPA British Association of Leisure Parks, Piers and Attractions
- HSE Health and Safety Executive
- NAFLIC National Association for Leisure Industry Certification
- SGGB Showmen's Guild of Great Britain
- SIRPS Society of Independent Roundabout Proprietors

**Contact ADIPS**

ADIPS Ltd
Business & Innovation Centre
Wearfield
Sunderland Enterprise Park
SUNDERLAND
SR5 2TA
Tel: (0191) 5166381
Free helpline: 0800 008 6776
FAQ about ADIPS

FAQ from ADIPS

Q - Is ADIPS a legal requirement? Must I comply?
A - No, it is not a legal requirement. However, if you are a member of any of the Industry Associations you will be expected to comply as a condition of membership. HSE regard ADIPS as a practical way of complying with Health & Safety Law.

Q - Do the Industry Associations support ADIPS?
A - Yes. It is a condition of membership that you comply with the Scheme.

Q - What is the position of HSE with regard to ADIPS?
A - HSG 175 states that if you follow the Guidance you will normally be doing enough to comply with the Law.

Q - What information is there about ADIPS?
A - See HSE Entertainment Information Sheet No. 8, HSG 175 “Fairgrounds & Amusement Parks – Guidance on Safe Practice” and the ADIPS website. (www.adips.co.uk)

Q - How can I find someone to carry out inspections?
A - Look in the register of Inspection Bodies on the ADIPS website

Q - Which Inspection Bodies can I use?
A - Any one that is currently registered for the work that you require.

Q - How can I confirm that the inspector is registered with ADIPS?
A - Check the Register on the ADIPS website. Contact the ADIPS Office. Ask to see his ID Badge and check that it is for the current year.

Q - What documents should the inspector provide?
A - Following the examination, you should receive Report(s) of Thorough Examination for the disciplines covered. If the device is satisfactory you will receive a Declaration of Operational Compliance (DOC) and a provisional plate to display on the device from the Appointed Inspection Body (AIB).

Q - How much does an inspection cost?
A - This varies depending on the Inspection Body and travelling. Try contacting different ones. The contact details for all registered inspection bodies are on the on the web site goto this page http://www.adips.co.uk/inspection_directory.aspx
Sample of a ADIPS test doc

**ADIPS**
Amusement Devices Inspection Procedures Scheme

**Declaration of Operational Compliance (DOC)**
by a Registered Inspection Body
of an Amusement Device in accordance with Section D of
Fairgrounds and Amusement Parks – Guidance on Safe Practice HSG 175

<table>
<thead>
<tr>
<th>Controller:</th>
<th>DOC (Sticker) No's: 2007/006:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assn. &amp; Memb. No.:</td>
<td>F</td>
</tr>
<tr>
<td>Address:</td>
<td>E</td>
</tr>
<tr>
<td>Inspection Body’s Ride No:</td>
<td>Expire Dates: 07/06 (no later than):</td>
</tr>
<tr>
<td>Inspection Body’s Ref No:</td>
<td></td>
</tr>
<tr>
<td>Assn. Machine Serial No:</td>
<td></td>
</tr>
<tr>
<td>Manufacturer:</td>
<td></td>
</tr>
<tr>
<td>Manufacturer’s Serial No:</td>
<td></td>
</tr>
<tr>
<td>Date of Manufacture:</td>
<td></td>
</tr>
<tr>
<td>Date of Importation:</td>
<td></td>
</tr>
</tbody>
</table>

It has been confirmed by the controller and his representative name:

- All information known to the above, regarding modifications, repairs and safety issues or incidents, that have occurred since the issue of any previous DOC and that may be relevant to the safety of this device, has been notified to the appointed inspection body.
- It is confirmed that the device is maintained and operated in a safe and proper manner.
- The device is maintained as per The Amusement Devices Regulations 1998 and the device is safe.
- The device is maintained as per the manufacturer’s Technical Bulletin or I.O.E. guide for the particular device.

Signed: ___________________________ Date: ____________

Print Name:

The reports and certificates listed below are in place and available (or in the case of a new device) will be forwarded within 24 hours:

<table>
<thead>
<tr>
<th>Discipline</th>
<th>Name of Inspection Body</th>
<th>Report Ref. No</th>
<th>Expiry Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Report of Design Review or Maturity Risk Assessment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Report of Conformity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Report of Initial Test</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mechanical/Structural T.E.R.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrical T.E.R.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Functional Test Report</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N.D.T. Report</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pneumatic Test Report</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydraulic Test Report</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other (State Discipline)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Sample of a ADIPS test doc

Advice on Completing the Declaration of Operational Compliance (DOC)

The form is to be completed by an Inspection Body (IB) registered under the ADIPS scheme in accordance with paragraphs 74 and 75 of the Fairground and Amusement Parks - Guidance on Safe Practice (HSG 175). For information regarding registration, contact the scheme's Secretariat at the ADIPS office.

1. All boxes should be completed except where not applicable as described below.
2. If the controller of the amusement device is not a member of a recognised industry association, you should write "Not Applicable" in the box labelled Assn. & Memb. No. Otherwise, enter the Association and Membership No. that applies.
3. The complete and accurate postal address of the controller should be put into the address box as this will be the address that is used to post the verification sticker to.
4. The ADIPS I.D. number is printed on the Sticker just below the barcode. It is 5 digits plus a letter.
5. Generic Name could be, for instance, "Miami Trip" or "Roller Coaster" although the controller has given the device its own individualistic name (which may be changed by a subsequent owner).
6. The D.O.C. No. should be the same as the sticker used.
7. A copy of the completed D.O.C. should be sent to the ADIPS office to arrive within 28 days. The current DOC levy should be sent at the same time.
8. A DOC sticker with the same unique serial number as the DOC should be either given to or posted to the controller, with instructions that it should be placed in a visible position, on the ride or the pay box. It would be even better if the AIB were able to affix the sticker directly themselves.
9. The inspection bodies report number is a number that is unique within the issuing organisation.
10. Expiry Date should be calculated in accordance with paragraph 102 (as amended) of the Guidance. Normally this will be 12 months from the completion of Thorough Examination but may be based on a shorter period specified by the manufacturer or AIB. This date must not be greater than a period equal to 12 months after the date of expiry of the previous DOC if there is a valid DOC in place. For a design review, conformity/initial test/maturity risk assessment that has no expiry date, NA should be written into the appropriate box. In deciding whether to specify a shorter period, the AIB should take into account any expiry dates listed in the reports and certificates summarised in the lower half of the form. If, for instance, the AIB relies on electrical thorough examination carried out by a different registered Inspection Body, they may issue a new D.O.C. part way through the year after receipt of the latest Electrical TER. It will not be necessary for the AIB to make a corresponding examination or visit.
11. Some inspection bodies issue their own unique reference number to an amusement device, which they may mark on the device for future identification purposes. Where it exists, this number should be written in the box labelled Inspection Body's Ref. No.
12. The term Assn. Machine Serial No. refers to any reference number applied to the amusement device by the controller's industry association - e.g. it would be the SSGB's "Reg. No." If there isn't one write "Not Applicable".
13. Manufacturer's Serial No. - If there isn't one write "Not Applicable".
14. Date of Manufacture - Refer to the Operations Manual to obtain the precise year of manufacture, if known. For very old amusement devices this may not be known - please write a best estimate.
15. Date of Importation (i.e. the year) needs to be completed for both new and second hand amusement devices brought into the country. For amusement devices designed and built in Great Britain write "Not Applicable".
16. In (b) of the declaration's main text there is a space for a name or signature to be filled in. Bearing in mind that the controller may be an amusement park with numerous staff, the intention is to identify the responsible person who was consulted on this matter of modifications.
17. The box in the middle of the page should include the AIB's name and address and must include the ADIPS registration number issued for the current year. The D.O.C. will not be valid without it.
18. The Table at the bottom of the form has to be completed appropriately for the amusement device. For instance, if there are no electrical components write "Not Applicable" against that item. It may often be the case that the thorough examination has been carried out entirely by one Inspection Body and dealt with in a single report. In these circumstances, place the details against Mechanical T.E.R. and use tickers for the IBs name & report number; however the date should be written in full.
19. The top three rows of the Table should always be completed for amusement devices manufactured or imported in 1996 or later. For some earlier devices, a "maturity" argument in accordance with paragraph 15 of the Guidance may be relied upon, and details of who has carried this out should be inserted in the design review/maturity risk assessment box, and cross out "Design Review" or "Maturity Risk Assessment" as applicable. The requirements for maturity risk assessments are explained in Amusement Rides Sheet 8 (HSE).
20. The form should be signed and issued only if all relevant reports have been listed and if all are current and are valid.
21. There may be other disciplines, e.g. Civil Engineering, for which a Thorough Examination Report has been prepared. Please use a spare box and write the discipline next to the label "Other". "Not Applicable" should be written against all unused items.

See below

ADIPS Ltd. Enterprise Park East, Sunderland, SR5 2TA Tel: +44 (0) 191 516 63 81 Fax: +44 (0) 191 516 63 82 email: office@adips.co.uk

3 See below
General description

Description Of Ride
The 4-person bungee trampoline is an amusement device capable for use either by adult or child participants. The ride is lightweight and fully. It can easily be erected and dismantled for use on any suitable site, either outdoors or indoors (providing adequate headroom height is available).

The ride operates by first positioning the passenger on the trampoline. The passenger harness is then fitted and attached to the bungee ropes, on either side of the passenger. The number of bungee ropes used is adjusted, depending on the estimated passenger mass, to give the appropriate ‘feel’ to the bounce of the participant, without exerting excessive inertial forces on the passenger. This is carried out based on the experience of the ride operator.

During the ride the participant bounces vertically until reaching a maximum height of approximately 6.5 m. At this point the participant experiences a feel of partial weightlessness. As the passenger moves progressively higher with each bounce, the winding motor reduces the effective length of the ropes, to permit the passenger to release progressively more potential energy with each bounce.

The downwards motion of the participant, at the lowest point, is arrested by a combination of the contact between the participant and the trampoline and the moderate tension in the flexible bungee ropes. Note that it is not always necessary for the participant to make full contact with the trampoline; in some instances the vertical motion is arrested only by the bungee ropes. In this case the flexibility of the bungee ropes would ensure that the maximum inertial forces are reduced.

It is difficult to estimate the maximum passenger forces exerted by the device, due principally to the wide variation possible in participant mass. However an acceptable guide would be approximately 2g absolute maximum inertial acceleration, which would give the ride participant a sensation of twice body mass when bouncing.
Arriving at an event /location

When you arrive on site make sure the ground you set the bungee up on is firm and reasonably level

If the ground is soft you may need to use some thick flat wood under the leveling points

Look for objects that may be to close to the bungee for set up and operation like overhead power cables, trees, lamp posts, other attractions etc

Make a secure area to set up so that no unauthorized persons get to close when setting up you will need up to 50ft to 60ft of space

You need At lest 2-3 persons for set up. Use appropriate safe ladder as required and harness for set up. All persons in the area of set up must wear hard hats and appropriate gloves shoes etc.
### Risk assessment for set up

*(may change without notice)*

<table>
<thead>
<tr>
<th>Hazard</th>
<th>At risk</th>
<th>Risk controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Failure of structural and safety critical parts</td>
<td>staff</td>
<td>Annual doc a.d.i.p.s. inspection daily visual inspection</td>
</tr>
<tr>
<td>Electrical shock or burn</td>
<td>staff</td>
<td>Do not connect power until set up</td>
</tr>
<tr>
<td>Crown control</td>
<td>Public and staff</td>
<td>Cordon off bungee trampoline area when setting up</td>
</tr>
<tr>
<td>Fire</td>
<td>Public and staff</td>
<td>Fire fighting equipment available call emergency services and clear area for access</td>
</tr>
<tr>
<td>Loading and downloading</td>
<td>Public and staff</td>
<td>Staff training public informed of proper procedure</td>
</tr>
<tr>
<td>Falling objects</td>
<td>staff</td>
<td>Staff wear Hard hats and protective clothing</td>
</tr>
<tr>
<td>Public colliding with equipment</td>
<td>Public and staff</td>
<td>Safety notices public prohibited from usage areas</td>
</tr>
<tr>
<td>Sever whether</td>
<td>Public and staff</td>
<td>Stop setting up and clear the area</td>
</tr>
<tr>
<td>Behaviour of public</td>
<td>staff</td>
<td>Respond appropriately evacuate passengers</td>
</tr>
<tr>
<td>Accident on ride set up</td>
<td>Public and staff</td>
<td>Stop set up clear area and call emergency services if required</td>
</tr>
<tr>
<td>Power cables</td>
<td>Public and staff</td>
<td>Cables to be covered by matting</td>
</tr>
<tr>
<td>Bungee set up</td>
<td>staff</td>
<td>Make sure all staff are trained and have read and understand this manual</td>
</tr>
<tr>
<td>Working at height</td>
<td>Staff</td>
<td>Wearing of harness and use of appropriate ladders when needed</td>
</tr>
</tbody>
</table>

An emergency plan should be made from this risk assessment and keep on site and be available for inspection. See hse175 appendix 6 part 6 for more details.
Set up check list

1. When you are familiar with this bungee you should be able to set it up in around 3 hours.
2. You need At lest 3 persons for set up.
3. Always ware appropriate clothing hard hats ,gloves, boots etc
4. Bungee Trampoline should only be set up on solid level ground.
5. Use appropriate safe ladder as required and harness for set up
6. Ensure secure clear space when setting up.
7. All heavy parts to be lifted by appropriate equipment or number of persons
8. Be aware of any objects too near to the bungee trampoline structure (too the side or above of structure) beware of power cables etc.
9. Do not build under trees.
10. Always tie a thin rope to the karabiners on set up because if they are at the top you need some thing to pull them down with.
11. Check all lifting ropes and pulleys are fitted correctly .
12. Check motor attachment bolts.
13. Check split R-pins are in every attachment pin.
14. Check all wire ropes and make shore not to tight or to lose.
15. Check bungee cords and harness are fitted correctly.
16. Make sure jump rope is running true thru the pulleys and not twisted or snagging or rubbing the wire ropes
17. You will need a rubber hammer
18. You may need Ladders

For more info call 00 44 7973 345061

Go to www.bungeetrampoline.com/owners.htm for more info (set up photos) and updates to this manual.
Set up guide (design may change without notice)

Step 1 - 2 place the unit on level ground and insure you have sufficient height to operate clear of power lines and any other obvious obstacles. Lay center mast pole and attach 2 bottom poles.

Step 3-4 attach 2 small stay poles as photo. Now attach 3rd bottom pole and attach stay pole.

Step 5-6 stand up bungee with helpers. Lift construction and slide centre pole foot plate under centre mast pole (see page 4) Next attach 4th bottom pole as before (you will need a ladder) and then connect bottom pole foot plates, they may need any raising with a piece of wood to stabi-

Step 7-8 when all of bottom poles attached. Attach the top 4 poles and leave them laying on top of bottom poles then attach jump ropes and long wire ropes (see page 4) make sure jump rope carabineer is to the out side and wire rope to the inside of the eye hole. repeat so that all ropes are attached before lifting top poles in to position.
Step 9-10 connect smaller 3.5ltdh lifting pole to top pole and then use lifting pole to Raise top pole as photo make sure to connect all R clips to pins.

Step 11-12 apply short wire ropes from top pole to top pole and tighten. Them attach long ropes from top pole outside end to adjoining bottom pole (as photo) near middle. Then tighten until firm (may need re tightening during operation.

Step 13-14 now you should have something like this start to set up trampolines (instructions or video in trampoline box

Step 15-16 attach motors check and tighten all ropes / check pins. (if you are unsure of any part or step if this set up guide please call us and we will try to help you)
Set up guide (design may change without notice)

Configuration of bungee/harness < rope—carabineer—bungee—carabineer—harness (and repeat)

Configuration of jump rope. Top 2 carabineer (in photo) go to top of pole end’s (1 to each pole see part 8) middle carabineer (in photo) goes to winch outside 2 carabineers go to bungee cords.

Configuration of wire ropes (on long rope connect so that the o-link is to the top of pole and the screw adjustment is to centre of bungee so that you can adjust and tighten them more Easley.

Aluminium Carabineer (with ce test) centre pole foot plate that you attach motors to.
Set up check list

When you are familiar with this bungee you should be able to set it up in around 2 hours.
You need at least 3 persons for set up.
You will need a good set of ladders, a set of Allen keys, small spanner and a set of high steps.
Be aware of any objects too near to the bungee trampoline structure (too the side or above of structure) beware of power cables etc.
Do not build under trees.
Always tie a thin rope to the karabiners on set up because if they are at the top you need some thing to pull them down with.
Check all lifting ropes and pulleys are fitted correctly.
Check motor attachment bolts.
Check split R-pins are in every attachment pin.
Check all wire ropes and make shore not to tight or to lose.
Check bungee cords and harness are fitted correctly.
Bungee Trampoline should only be set up on solid level ground.
Use appropriate safe ladder as required and harness for set up.
All persons in the area of set up must wear hard hats and appropriate gloves shoes etc.
Ensure clear space when setting up.
All heavy parts to be lifted by appropriate equipment or number of persons.
Before operating do a trial run every day.
For more info call 00 44 7973 345061
Go to www.bungeetrampoline.com/owners.htm for more info (set up photos) and

Troubleshooting

Q. Winch dose not work
A. check the power is turned on.
   A. check the switch on the side of the winch controller is turned on.
   A. check the automatic stop on the winch.

Q. The jumper is swinging side to side
A. check bungee cords on both sides are the same length or not tangled

Q. The top poles are moving side to side when jumper is jumping.
A. check the cross wire ropes on the top poles are tight
Bungee cored guide (design may change without notice)

The minimum weight of a person using the bungee trampoline should be no less than 30 pounds and over 3 years of age.
The maximum weight of a person using the bungee trampoline should be no more than 220 pounds.
The rider harness should fit correctly.
The following table is a guide of amount of bungee to use per persons size:
Replace bungee after signs of wear.
Bungee should last around 3000 jumpers depending on ride length rides weight.

<table>
<thead>
<tr>
<th>Weight in pounds</th>
<th>Elastics per side of harness</th>
<th>Weight in stones</th>
</tr>
</thead>
<tbody>
<tr>
<td>20–60</td>
<td>2 thin</td>
<td></td>
</tr>
<tr>
<td>60–80</td>
<td>1 fat 1 thin</td>
<td>4st.4 lbs</td>
</tr>
<tr>
<td>80–110</td>
<td>2 fat</td>
<td>5st 10</td>
</tr>
<tr>
<td>110 – 125</td>
<td>2 fat 1thin</td>
<td>7st 12</td>
</tr>
<tr>
<td>125 – 140</td>
<td>3 fat</td>
<td>8st 13</td>
</tr>
<tr>
<td>140 – 160</td>
<td>3 fat 1thin</td>
<td>10st</td>
</tr>
<tr>
<td>160 – 180</td>
<td>4 fat</td>
<td>11st 6</td>
</tr>
<tr>
<td>180 – 200</td>
<td>4 fat 1thin</td>
<td>12 st 12</td>
</tr>
<tr>
<td>200 – 220</td>
<td>4 fat 2 thin</td>
<td>14st 4</td>
</tr>
</tbody>
</table>

Replace bungee after signs of wear.

There are 32 fat and 16 thin bungee cords to a set.
It is recommended that you check 4 fat and 2 thin to each side of each harness.

Some other manufacture and bungee operators may use elastics instead of bungee cords. We recommend that you only ever use bungee cords recommended by us as elastics are illegal in some countries and when they snap they will whip persons standing around or using the bungee trampolines. When one of our cords break the elastic usually stays in side of the cord casing. Also our cord is UV and water repellent and most elastics are not.

Warning never use less then 2 bungee cords per side.

The winch

The winch is the that allows the razing and lowering of the jumper do not use the winch during rain or lightning if the winch or controller gets wet you should allow time for it to dry before operating again when the winch is in use make sure that all ropes are free and untangled and in good working order. When lowering stop the lowering motion when the rope becomes lose.
Always s monitor the rope for tightness and make sure it is going on to the winch drum correctly and not rubbing the side of the winch do not allow any untrained persons to use the winch at any time.
Check the condition of the winch rope daily. if a winch rope gets tangled damaged or comes off of the winch drum replace immediately.

Winch ropes must be changed yearly or at the first sign of any fraying or damage.

The harness

To safely use the bungee trampoline correctly all attendants must be fully trained to understand how to use the harness fitting adjusting and positioning techniques different sizes of harness small/medium/large
The jumper should be fitted in a tight fitting harness in the smallest size they fit getting the proper size is very important.

If the harness dose not fit jumper correctly do not allow jumper to use the bungee trampoline.

How to use — stand the jumper in front of harness place the top strap above the hips of user this strap should sit on low on the waste as possible close the buckle by putting one end into the buckle holder (like seat belt) and make sure it is locked tighten strap around hips check the jumper feels comfortable.
If you can not close the harness enough use a smaller harness put the straps around legs and adjust and tighten.
The harness should be tight but not so tight as to be uncomfortable.
## Risk assessment for bungee trampoline (may change without notice)

<table>
<thead>
<tr>
<th>Hazard</th>
<th>At risk</th>
<th>Risk controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Failure of structural and safety critical parts</td>
<td>Public and staff</td>
<td>Annual doc a.d.i.p.s. inspection daily inspection and trail run</td>
</tr>
<tr>
<td>Electrical shock or burn</td>
<td>Public and staff</td>
<td>Annual electric inspection Daily inspection</td>
</tr>
<tr>
<td>Crown control</td>
<td>Public and staff</td>
<td>Stewards to able to at all times to monitor and liaise</td>
</tr>
<tr>
<td>Fire</td>
<td>Public and staff</td>
<td>Fire fighting equipment available call emergency services and clear area for access</td>
</tr>
<tr>
<td>Loading and downloading</td>
<td>Public and staff</td>
<td>Staff training public informed of proper procedural</td>
</tr>
<tr>
<td>Safe containment of passengers</td>
<td>Public and staff</td>
<td>Check passengers for suitability to equipment ie ::height age etc ensure passengers are safe contained</td>
</tr>
<tr>
<td>Persons colliding with equipment while in motion</td>
<td>Public and staff</td>
<td>Safety notices public prohibited from usage areas</td>
</tr>
<tr>
<td>Sever whether</td>
<td>Public and staff</td>
<td>Close equipment and evacuate passengers</td>
</tr>
<tr>
<td>Behaviour of public</td>
<td>Public and staff</td>
<td>Respond appropriately evacuate passengers</td>
</tr>
<tr>
<td>Accident on ride</td>
<td>Public and staff</td>
<td>Stop rides clear area and call emergency services if required</td>
</tr>
<tr>
<td>Power cables</td>
<td>Public and staff</td>
<td>Cables to be covered by matting</td>
</tr>
<tr>
<td>Bungee operation</td>
<td>Public and staff</td>
<td>Make sure all operators and trained and have read and understand this manual</td>
</tr>
<tr>
<td>Unforeseen dangers</td>
<td>Public and staff</td>
<td>Regularly check naflic website for technical bulletins on bungee trampolines <a href="http://www.naflic.org.uk/techbulletins.php">http://www.naflic.org.uk/techbulletins.php</a></td>
</tr>
</tbody>
</table>
Attaching harness and elastics

Once the jumper is on the trampoline. Strap on there the required harness (small med or large) The harness strap in the back has to be adjusted to fit the jumper size.

The jumper is to stand up in front of the harness. Place the top strap above the hips of the jumper. This strap is to sit low on the waist of the jumper as possible.

Close the buckle by putting one end into the other end of the buckle (like in a car seat), make sure the mechanism “locked”. Tighten the strap around the hip, don't tighten to much, check the jumper feels comfortable.

If you cannot close the strap completely, use a smaller harness or open the strap in the back.

Put the leg straps around the legs. A rough general adjustment of these straps should occur before feeding the strap in between the legs of the jumper. Close the buckle and make sure it’s locked. Tighten the strap around the leg and check the jumpers comfort.

The proper amount of elastics fitting the jumpers weight have to be connected, (see bungee guide) The left Over elastics hang down on the carabineers which connect the jumper rope to the elastics.

The carabineers (safe snap links) should be on the outside and above the hips of the jumper.

Assure that the leashes where the elastics are hanging into are right on the sides of the hips ! If they are not positioned right and left, readjust the harness.
Spare bungee cords
A total set of new bungee cords for 4 in 1 bungee trampoline

Price: £150 total set
Order #: 4 in 1 bungee cords

Harness
Harness come in 3 sizes small med and large

Price: £80 each
Order #: harness large, harness med, harness small.

carabineers
Safety carabineers

Price: £10 each
Order #: carbines

Swivels (new improved)
For in between harness and bungee cord

Price: £50 each
Order #: swivels
Trigger for a TEA HE 200 rope winch.

Price: £20
Order #: limiter for a TEA HE 200

The green pushbutton for a standard manual control unit for a TEA HE 200 rope winch

Price: £15 each
Order #: green button

The green pushbutton for a standard manual control unit for a TEA HE 200 rope winch

Price: £150 per 100 mt
Order #: red button

safety sign for bungee trampoline
Custom made

Price: £150 each
Order #: sign
**New Limit Switch Stopper**
limit switch stopper - prevents operator from pulling too far

Price: £20 each
Order #: limit stopper

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**Stainless Steel Swivel Eye and Jaw**
jaw and eye stainless steel swivel

Price: £12 each
Order #: jaw eye swivel

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**classic 4 in1 euro bungy trampoline top jump rope**
9 mm x 15 mt super static top jump rope for all classic 4 in1 and euro bungy trampoline systems
hot cut ends with thimbles and shrink tube

Price: £30 each
Order #: jump rope

---

**4 in1 winch rope**
winch rope for bungee trampolines
9mm x 8.5 mt super static nylon rope
slice cut at end with thimble

Price: £15 each
Order #: winch rope
Taking the jumper up

The winch motor is the mechanism that allows for the raising and lowering of the jumper.

Use the yellow winch controller to raise the jumper in the air by pressing the arrow buttons

Tell the jumper

“hold on to the elastics as high as possible” don’t start jumping until I start the take you higher”
“don’t try to do a flip or summersolt until I say” “if you start to swing backwards and forward stop jumping until you stop swinging and then start jumping again” “if your harness is uncomfortable to loose or too tight ask me and I will readjust it for you” “if you don’t like it so high tell me and I will lower it for you”

When you start to raise the jumper tell them again to start jumping.

The operator should raise the jumper to the height that they are comfortable with (some smaller kids do not want to go to the maximum height)

The maximum height you can take the jumper to is when the top jump rope ends (where the knots in the jump rope are that the carabinas and elastics are attached) are at least 2 inches from the pulleys that are connected to the top of the poles.

If the jumper is hanging down to low you may need to add more bungee elastics.
If the jumper is hanging in the air there is too many elastics connected.

when the bungees elastics are set up right the jump ropes will be at their maximum height but the jumper will still be able to jump off of the trampoline (Ideally The jumper should be jumping around 2 to 4 inches in to the trampoline)

you should not have to keep pulling them down to but if the jumper does get stuck you can give a little pull down on the elastics to start them again

The normal ride length is around 3 min.

Things to look for

Make sure that you don’t go to high with the winch because if you get the jump rope knots pulling on the pulleys this will damage and weaken the jump rope

When the winch is in use, double check that all ropes are untangled and moving freely; this should be monitored constantly.
Make sure that the hoist and the hoist rope attached to it are in good working order. Never pull up with the hoist when the knot or stitch on the jump rope end is closer than 2 inches to the pulley on the top pole.
Stop lowering motion of the hoist before the cable is loose.
Pull up the hoist while the jumper is in the upward motion. Do this with extreme care and caution. Always monitor the rope of the hoist for tautness and that it is entering the hoist from the top.
If a jumper starts to swing back and forward in the air stop them swinging by hand and start them jumping up and down again

Do not let any uncertified or unauthorized person attach or de-attach the harness's

Finally, do not allow any uncertified or unauthorized person to operate the hoist controls or be near the hoist at any time.
operation  YOU MUST UNDERSTAND AND READ ALL RULES

updates to this manual.

SUPERVISORS  Go to www.bungeetrampoline.com/owners.htm for more info

Educate yourself with the basic jumps and safety rules. To prevent and reduce the risk of injuries, enforce all safety rules and ensure that new jumpers learn the basic bounces before trying more difficult and advanced jumps.

Do not allow more than one person on the trampoline. Use by more than one person at the same time raises the chance of injury.

Do not let any one use the trampoline if they have consumed alcohol or any drugs. Remove all hard and sharp objects from users before letting them use the trampoline.

operators and users should climb on and off in a controlled and careful manner. Never jump on or off the trampoline and never use the trampoline as a device to bounce onto or into another object.

All jumpers need to be supervised, regardless of skill level or age. Never use the trampoline when it is wet, damaged, dirty, or worn out, the trampoline should be inspected before any jumpers start bouncing on it.

Keep all objects that could interfere with the jumper away from the trampoline. Be aware of what is overhead, underneath, and around the trampoline.

To prevent unsupervised and unauthorized use, the trampoline should be secured when not in use. Use trampoline only with mature, knowledgeable supervision.

When a jumper starts to swing around on bungee cords stop them and make them start bouncing in the middle of trampoline again.

Go to www.bungeetrampoline.com/owners.htm for more info

When lifting users make sure automatic stop on the winches is working.

Only use harness supplied by bungee trampoline.com (normal climbing harness are no good for this attraction).

always use correct size harness for user. Harness are in 4 sizes extra small—small med and large.

Signs should be displayed (see signs) to instruct users.

Never let any one walk around the inside of the bungee trampoline structure.
**Operation (continued)**

All objects must be removed from pockets of jumper jewelry glasses watches etc  
If user has long hair Tie it back  

www.bungeetrampoline.com

Never leave system unattended make sure all users are aware of the rules  
Keep consistent observation of riders at all times it is the attendants duty to make sure that the user is adhering to all of the rules.  
A thorough examination should be carried out annually by a approved inspector  
It is suggested that safety fences should be erected around the structure.  
Ensure no horse play  
Ensure warning sign displayed  
Use bungee cords carabineers harness ropes swivels supplied by bungeetrampoline.com  
Use correct amount of bungee cords to weight of user fat cords 3 stone per pair small cords 1.5 stone per pair (max per trampoline = 85 kg.)  
Go to www.bungeetrampoline.com/owners.htm for more info

**Warning**

**REPLACE ALL WORN OUT EQUIPMENT AT FIRST SIGHT OF ANY WEAR**

**NOT SUITABLE FOR CHILDREN UNDER THE AGE OF 36 MONTHS. ADULT SUPERVISION RECOMMENDED. SUITABLE FOR AGE 6+. TO MAX WEIGHT**

**Daily check list**

Check all supports , all parts for wear , pins are all in place safety pin etc , all rope connections , trampolines for damage , the condition of the wire rope on the winch and its attachment to the winch drum. Welding and essential joints , rcd test button notice displays , power cable conditions , steps on to trampolines floor surfaces slippery etc , ground conditions , the bolts connecting the winches to the base , do a trial run every day .

Use only spare parts recommend by the manufacturer.
Warning Signs

Present 4 in 1
the word famous bungee trampoline

Notice
Please do not participate on this attraction if you have had a bad neck, back, or heart problems, broken bones, or you are pregnant, physical or medical health problems especially shoulder or arm problems

Please respect these rules
The weight limit is 85 kg
You must be in good health
Please listen to the operators at all times
Please read all of the health warnings and signs
Participants must not be intoxicated
Tie back long hair

JUMP ON THE CROSS-MARKED CENTER OF THE JUMP MAT. IF YOU FIND YOURSELF OFF CENTER, "STOP THE JUMP".

No smoking alcohol or food or drink in the 4 in1 area

Do’s and don’ts
Do hold on to the elastics
Do jump vertically on the x
Do push hard off the trampoline
Do have fun
Do not try front flips or back flips
Do not let go of the elastics

Jumpers jump at own risk.

thank you and have fun.

NOT SUITABLE FOR CHILDREN UNDER THE AGE OF 36 MONTHS. ADULT SUPERVISION
JUMPERS:

Do not use trampoline if you have consumed alcohol or any drugs.
Remove all hard and sharp objects from person before using trampoline.
You should climb on and off in a controlled and careful manner. Never jump on or off the trampoline and never use the trampoline as a device to bounce onto or into another object.

Always learn the basic bounce and master each type of bounce before trying more difficult types of bounces.

Review the Basic Skills Section to learn how to do the basics.
To stop your bounce, flex your knees when you land on the mat with your feet.
Always be in control when you are bouncing on the trampoline. A controlled jump is when you land at the same spot that you took off from. If at any time you feel out of control try to stop your bouncing.

Do not jump or bounce for prolonged periods of time or too high for a number of jumps.
Keep your eyes on the mat to maintain control. If you do not, you could lose balance or control.
Never have more than one person on the trampoline at any one time.
Always have a supervisor watching you when you are on the trampoline.
Do not jump with tongue in-between your teeth.
Do not jump on your knees.
Do not land on your neck hands or elbows.
Go to www.bungeetrampoline.com for more info.
SUPERVISORS

Educate yourself with the basic jumps and safety rules. To prevent and reduce the risk of injuries, enforce all safety rules and ensure that new jumpers learn the basic bounces before trying more difficult and advanced jumps.

All jumpers need to be supervised, regardless of skill level or age. Never use the trampoline when it is wet, damaged, dirty, or worn out, the trampoline should be inspected before any jumpers start bouncing on it. Keep all objects that could interfere with the jumper away from the trampoline. Be aware of what is overhead, underneath, and around the trampoline. To prevent unsupervised and unauthorized use, the trampoline should be secured when not in use.

(Go to www.bungeetrampoline.com/owners.htm for more info)

DO NOT LET ANY MORE THAN ONE PERSON AT A TIME ON THE TRAMPOLINE!

PLEASE ATTACH SIGNAGE TO BUNGEE TRAMPOLINE.

DO NOT USE THIS TRAMPOLINE ON ANY SLIPPERY FLOOR SURFACE, UNEVEN OR SLOPING GROUND SURFACE.
ALWAYS MAKE SURE YOU LAND NO MORE THAN ONE FOOT AWAY FROM THE CROSS-MARKED CENTER OF THE JUMP MAT. IF YOU FIND YOURSELF OFF CENTER, "STOP THE JUMP".
NOT SUITABLE FOR CHILDREN UNDER THE AGE OF 36 MONTHS. ADULT SUPERVISION RECOMMENDED.
MAX WEIGHT LIMIT 85 KG
(Go to www.bungeetrampoline.com/owners.htm for more info)
center pin for euro bungee classic for 4 in 1
16 mm x 125 mm

Price: £8 total set
Order #: center pin

classic 4 in1 winch pin 14mm x 90 mm

Price: £8 each
Order #: winch pin

small pin with head
for 4 in1 classic euro bungee trampoline 10 mm x 50 mm

Price: £2.50
Order #: small pin

r clips for bungee trampoline pins

Price: £5 for 10
Order #: r clip
Spare winch
A new winch for bungeetrampoline.com 4 in 1
bungee trampoline (ltd controller)000

Price: £380 total set
Order #: 4 in 1 bungee cords

---

Pulleys
Pulleys for bungee

Price: £15 each
Order #: pulley.

---

Extra rope
Safety rope for bungee winch

Price: £150 per 100 mt
Order #: rope

---

Winch control
For controlling winch bungee winch
control inc wiring etc

comes with micro switch - plug - wire - etc

Price: £100 each
Order #: winch control
Electrical system. Use only spare parts recommend by the manufacturer.

Power supply requirements
240 volts ac 50 Hz 8 kw single phase neutral and earth
Input plug ; bs4343 , iec 309 keyed and restrained 32 amp max

Procedure for isolation
Disconnect power supply before doing any maintenance to winches or controllers.
Ensure the plug can not be reconnected whilst working.

Procedure for emergency winch release
Disconnect power supply and locate the nut socket near the fan on the winch then get the socket toll supplied with the winch connect to the net and turn clockwise until the jumper is lowered to the trampoline tighten the nut back and then reconnect the power after releasing the jumper.
Daily check list  
check by  
date

<table>
<thead>
<tr>
<th>General maintenance</th>
<th>done</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check all supports,</td>
<td></td>
</tr>
<tr>
<td>all parts for wear (ropes—pulleys—harness—elastics—carabineers)</td>
<td></td>
</tr>
<tr>
<td>pins are all in place (safety pin r clips cotter pins etc)</td>
<td></td>
</tr>
<tr>
<td>all rope connections, (for fraying cuts damage)</td>
<td></td>
</tr>
<tr>
<td>trampolines for damage, (padding - holes rips etc)</td>
<td></td>
</tr>
<tr>
<td>the condition of the rope on the winch and its attachment to the winch drum.</td>
<td></td>
</tr>
<tr>
<td>Welding bolts and essential joints,</td>
<td></td>
</tr>
<tr>
<td>steps on to trampolines floor surfaces slippery etc,</td>
<td></td>
</tr>
<tr>
<td>ground conditions, the bolts connecting the winches to the base</td>
<td></td>
</tr>
<tr>
<td>Wire ropes for tightness (poles not excessively moving)</td>
<td></td>
</tr>
<tr>
<td>Warning signs attached and displayed</td>
<td></td>
</tr>
<tr>
<td>Winch limit switches (functioning correctly)</td>
<td></td>
</tr>
<tr>
<td>Harness (check stitching around anchor points and buckles)</td>
<td></td>
</tr>
</tbody>
</table>

**Electrical**

| rcd test button notice displays, |      |
| power cable conditions |      |

**Finish**

| do a trial run every day |      |
| Fill in daily check list sheet sign date |      |
| Wright in any changes made or notes in your bungee trampoline log book |      |

**Notes**

Please photo copy this page 1 page per day of operation
Bungee cord usage

Bungee cords last on average 4000 jumpers per set at 3 min rides (note if you are giving longer rides the amount jumpers decreases also if you are riding a larger percentage of adults this will decrease the good working life of the cords) always replace cords after a max of 4000 jumpers or 1 year what ever comes first see bungee cord guide for more details

<table>
<thead>
<tr>
<th>Day</th>
<th>Number of Jumpers</th>
<th>Location</th>
<th>Running count</th>
</tr>
</thead>
<tbody>
<tr>
<td>E.g. 01 jan 09</td>
<td>120</td>
<td>Oxford funday</td>
<td>120</td>
</tr>
<tr>
<td>E.g. 07 jan 09</td>
<td>96</td>
<td>Private hire (Bristol)</td>
<td>216</td>
</tr>
</tbody>
</table>

Please photo copy this page and fill in the photo copied version.
Technical drawings available on request
Bungee trampoline log book

Please enter any alterations, maintenance or incidents

If you sell this bungee trampoline please give this to the new owner manual to the new owner
Marketing opportunities