

KDs Amusements

HAZARD IDENTIFICATION AND RISK ASSESSMENT

Bungee Jump

Item	Hazard Identified	Priority	ACTION to eliminate or minimise	Completed
1	Ground conditions, soft, slope	bf=2	Use appropriate blocking & strapping to spread load and stabilise ride	Each set-up
2	Clearances from wires, trees, structures	ae=1	Inspect site prior to commencing set-up. Measure clearances	Each set-up
3	Handling blocking, splinters	df=4	Issue gloves to all employees	Each set-up
4	Manual handling of components	cf=3	Manual handling procedures to be prepared and followed	Each set-up
5	Electrical connection	ae=1	Power off while handling leads. RCD installed for operation	Each set-up
6	Falling from top of ride while erecting	cg=4	Use fall restraint when climbing	Each set-up
7	Children leave cars during ride. Crushing	bg=3	Provide/use seat belts. Operator training for alertness	Every ride
8	Access while ride operating. Crushing	cf=3	Install fence. Emergency stop button. Operator training	Every ride
9	Attendant hit by ride during testing	ch=5	Fit security start system, double action switching	2003
10	Distressed children on ride	cg=5	Operator to stop ride and return child to parent	Each ride
11	Security of small children	cg=5	Children above 130cm not allowed	Each ride
12	Public access to ride area during erection	cg=5	Erect perimeter fence at earliest opportunity	Each set-up
13	Power supply connected	ag=1	Disconnect power supply at source before rolling up cable	Each set-up

ASSESSMENT

Q 1. HOW SEVERE IS THE INJURY LIKELY TO BE?

Q2. HOW LIKELY IS THE INJURY TO OCCUR?

		e	f	g	h
		CERTAIN	PROBABLE	POSSIBLE	UNLIKELY
DEATH	a	1	1	2	3
HOSPITAL	b	1	2	3	4
DOCTOR	c	2	3	4	5
BAND-AID	d	3	4	5	6

AMUSEMENT HIRE SERVICES

HAZARD IDENTIFICATION AND RISK ASSESSMENT

CHAIR-O-PLANE

Item	Hazard Identified	Priority	ACTION to eliminate or minimise	Completed
1	Ground conditions, soft, slope	bf=2	Use appropriate blocking & strapping to spread load and stabilise ride	Each set-up
2	Clearances from wires, trees, structures	ae=1	Inspect site prior to commencing set-up. Measure clearances	Each set-up
3	Handling blocking, splinters	df=4	Issue gloves to all employees	Each set-up
4	Manual handling of components	cf=3	Manual handling procedures to be prepared and followed	Each set-up
5	Electrical connection	ae=1	Power off while handling leads. RCD installed for operation	Each set-up
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7	Children leave cars during ride. Crushing	bg=3	Provide/use seat belts. Operator training for alertness	Every ride
8	Access while ride operating. Crushing	cf=3	Install fence. Emergency stop button. Operator training	Every ride
9	Attendant hit by ride during testing	ch=5	Fit security start system, double action switching	2003
10	Distressed children on ride	cg=5	Operator to stop ride and return child to parent	Each ride
11	Security of small children	cg=5	Children above 130cm not allowed	Each ride
12	Public access to ride area during erection	cg=5	Erect perimeter fence at earliest opportunity	Each set-up
13	Power supply connected	ag=1	Disconnect power supply at source before rolling up cable	Each set-up

ASSESSMENT

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DEATH	a	1	1	2	3
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AMUSEMENT HIRE SERVICES

HAZARD IDENTIFICATION AND RISK ASSESSMENT

CIRCUS TRAIN

Item	Hazard Identified	Priority	ACTION to eliminate or minimise	Completed
1	Ground conditions, soft, slope	bf=2	Use appropriate blocking & strapping to spread load and stabilise ride	Each set-up
2	Clearances from wires, trees, structures	ae=1	Inspect site prior to commencing set-up. Measure clearances	Each set-up
3	Handling blocking, splinters	df=4	Issue gloves to all employees	Each set-up
4	Manual handling of components	cg=3	Manual handling procedures to be prepared and followed	Each set-up
5	Electrical connection	ag=1	Power off while handling leads. RCD installed for operation	Each set-up
6	Children leave cars during ride. Crushing	gb=3	Provide/use seat belts. Operator training for alertness	Every ride
7	Access while ride operating. Crushing	cf=3	Install fence. Emergency stop button. Operator training	Every ride
8	Attendant hit by ride during testing	ch=5	Fit security start system, double action switching	2003
9	Distressed children on ride	dg=5	Operator to stop ride and return child to parent	Each ride
10	Security of small children	dg=5	Children under 130cms and above 100cms not allowed	Each ride
11	Public access to ride area during erection	dg=5	Erect perimeter fence at earliest opportunity	Each set-up
12	Power supply connected	ae=1	Disconnect power supply at source before rolling up cable	Each set-up

ASSESSMENT

Q 1. HOW SEVERE IS THE INJURY LIKELY TO BE?

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		CERTAIN	PROBABLE	POSSIBLE	UNLIKELY
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AMUSEMENT HIRE SERVICES

HAZARD IDENTIFICATION AND RISK ASSESSMENT

CUP AND SAUCER

Item	Hazard Identified	Priority	ACTION to eliminate or minimise	Completed
1	Ground conditions, soft slope	bg=2	Use appropriate blocking & strapping to spread load and stabilise ride	Each set-up
2	Clearances from wires, trees, structures	ae=1	Inspect site prior to commencing set-up. Measure clearances	Each set-up
3	Handling blocking, splinters	df=4	Issue gloves to all employees	Each set-up
4	Manual handling of components	cf=3	Manual handling procedures to be prepared and followed	Each set-up
5	Electrical connection	ae=1	Power off while handling leads. RCD installed for operation	Each set-up
6	Unauthorised ride start by public	cg=4	Fit security system, double action switching	2003
7	Children leave cars during ride. Crushing	bg=3	Provide/use seat belts. Operator training for alertness	Every ride
8	Access while ride operating. Crushing	cf=3	Install fence. Emergency stop button. Operator training	Every ride
9	Ride platform/steps slippery when wet	dh=5	Keep platform clean and dry. Caution patrons in wet weather	Each ride
10	Distressed children on ride	dg=5	Operator to stop ride and return child to parent	Each ride
11	Security of small children	dg=5	Small children to ride with adult, remain seated at all times	Each ride
12	Public access to ride area during erection	dg=5	Erect perimeter fence at earliest opportunity	Each set-up
13	Power supply connected	ae=1	Disconnect power supply at source before rolling up cable	Each set-up

ASSESSMENT

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AMUSEMENT HIRE SERVICES

HAZARD IDENTIFICATION AND RISK ASSESSMENT

DISCO SHOW

Item	Hazard Identified	Priority	ACTION to eliminate or minimise	Completed
1	Ground conditions, soft, slope	bf=2	Use appropriate blocking & strapping to spread load and stabilise ride.	Each set-up
2	Clearances from wires, trees, structures	ae=2	Inspect site prior to commencing set-up. Measure clearances.	Each set-up
3	Handling blocking, splinters	df=4	Issue gloves to all employees.	Each set-up
4	Lowering floor to ground, crushing of limbs	bg=3	Work procedure to stipulate no employees under floor while lowering.	Each set-up
5	Electrical leads under trailer	ae=1	Position electrical leads clear of trailer area.	Each set-up
6	Lowering of floor sections, crushing of limbs	cg=4	Correct footwear and clean climbing surfaces of grease etc.	Each set-up
7	Failure of roof	bg=3	Erect perimeter fence around area as soon as fence is accessible.	Each set-up
8	Trips & Falls on ride surrounds	cg=4	Workers are to ensure no hazards on floor area	Each set-up
9	Manual handling	cg=4	Workers are to stand clear of area.	Each set-up
10	Riders Hands	cg=4	Riders to be instructed to keep arms and hands inside carriage	Each set-up
11	Patrons fall	cf=3	Manual handling procedures to be prepared and followed.	Each set-up
12	Trips & Falls during loading/unloading	be=1	Ensure platform and ramp is clear of obstructions.	Every ride
13	Raising & lowering of counter weights	bg=3	Operator to remain clear during process.	Every ride
14	Carriage rotation during set up	bg=3	Operator not to remove travel bracket until ride fully assembled.	Every ride
15	Carriage rotation during dismantle	bg=3	Operator to install travel bracket before dismantle started.	Every ride
16	Patron misbehaviour, injury to self or others	cf=3	Operator to issue clear instructions. Signage, Supervision.	Every ride

ASSESSMENT

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AMUSEMENT HIRE SERVICES

HAZARD IDENTIFICATION AND RISK ASSESSMENT

DODGEM CARS

Item	Hazard Identified	Priority	ACTION to eliminate or minimise	Completed
1	Ground conditions, soft, slope	bf=2	Use appropriate blocking & strapping to spread load and stabilise ride.	Each set-up
2	Clearance from wires, trees, structures	ae=1	Inspect site prior to commencing set-up. Measure clearances.	Each set-up
3	Handling blocking, splinters	df=4	Issue gloves to all employees.	Each set-up
4	Manual handling of components	cf=3	Manual handling procedures to be prepared and followed.	Each set-up
5	Electrical leads under trailer	ae=1	Position electrical leads clear of trailer area.	Each set-up
6	Lowering of floor sections, crushing	bf=2	Keep area clear while floor is lowered.	Each set-up
7	Failure of roof structure, during erection	bg=3	Annual inspection by engineer, regular inspection by operator.	Each set-up
8	Failure of roof structure, during operation	bf=2	Annual inspection by engineer, regular inspection by operator.	Each set-up
9	Unloading/loading cars from racks	bf=2	Cars to be lifted by 4 men.	Each set-up
10	Removal & stacking of racks	cg=4	Manual handling procedures to be prepared and followed.	Each set-up
11	Public access to erection area	dg=5	Fences erected on ride perimeter.	Each set-up
12	Trips & falls, on ride surrounds	dg=5	Fences, anti-slip surfaces, warning signs.	Every ride
13	Trips & falls, during loading/unloading	dg=5	Operator to warn patrons about running, supervision of ride.	Every ride
14	Failure to wear seat belts causes facial injury	cf=3	All children must wear seat belts. Operator to check before ride starts.	Every ride
15	Sparking from grind/whips	dg=4	Operator to switch off power.	Every ride
16	Electric shock from touching grid	cf=3	Operator to warn patrons against climbing, supervision of ride.	Every ride
17	Crushed feet/legs between cars	ce=3	No patron on track while ride operating. Operators trained. Footwear	Every ride
18	Fire in structure or in transformer	ce=2	Extinguisher provided. Staff trained. Emergency evacuation procedure.	Every ride
19	Patron misbehaviour. Injury to self or others	cf=3	Operator to issue clear instructions. Signage. Supervision	Every ride

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AMUSEMENT HIRE SERVICES

HAZARD IDENTIFICATION AND RISK ASSESSMENT

GIANT SLIDE PINK

Item	Hazard Identified	Priority	ACTION to eliminate or minimise	Completed
1	Stability of structure	bf=2	Annual inspection by Engineer. Daily inspection during show	Ann'l. Daily
2	Security of riders on stairs and platform	bg=3	Solid fences to stairs. Platform enclosed.	Daily check
3	Unsuitable riders, age health	cf=3	Signage in place. Monitored by attendants.	Each rider
4	Patrons sliding too soon	cg=4	Minimum of 1, normally 2, attendants at top of slide to control	Every ride
5	Access to bottom of slide, knock over	df=4	1 attendant in landing area to clear riders	Every ride
6	Burns to arms or feet while sliding	dg=5	No bare feet permitted on ride. Large bags for sliding. Instruction by staff.	Every ride
7	Wet surface, slide too fast	cg=4	Close slide until surface is dry	As req'd
8	Extreme wind (>20m/s)	cg=4	Close slide until wind eases	As req'd

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AMUSEMENT HIRE SERVICES

HAZARD IDENTIFICATION AND RISK ASSESSMENT

Hurricane

HAZARD	RISK	CONTROL	COMMENT
Electricity	Electrocution RISK LEVEL - MEDIUM HIGH	RCDs fitted to ride with 25mA trip. Turn power off when not required.	
Unexpected movement of ride trailer	Injury to staff from falling from trailer RISK LEVEL - MEDIUM LOW	Restrict area to staff. Disconnect Prime Mover from ride trailer	P/Mover need only be moved forward 200mm if on level ground
Slip, Trip and Falls during set up / pull down	Injury from falls etc RISK LEVEL - MEDIUM - LOW	Provide adequate access to high areas of ride. Ensure area is clear of hazards	
Employees may fall from platform	Injury from falls etc RISK LEVEL - MEDIUM - LOW	Fences installed from ground level. Staff trained to follow procedure.	
Hydraulic Oil Leakage	Cause of slips etc RISK LEVEL - LOW - SLIGHT	Regular scheduled inspections PPEs available for handling oils etc.	
Hydraulic failure during: Lower/Raising Tower Lower/Raising Platforms	Crush injury to employee/s RISK LEVEL - HIGH –MEDIUM RISK LEVEL - HIGH -MEDIUM	When raising or lowering sides or tower ensure all persons are kept clear of danger zones.	
Crane failure	Crush or impact injury RISK LEVEL - MEDIUM - LOW	Regular inspection of crane structure ,pins, winch and cable.	
Employee fall from tower during lubrication	Impact injury RISK LEVEL - MEDIUM - LOW	Employees provided with appropriate PPE. Where possible lubricate while tower is in travel position.	Ladder to reach top of tower to travel with ride
Fire	Burns injuries RISK LEVEL - LOW	Fire Extinguisher fitted to ride. Staff trained in use.	
Persons may struck by falling	Impact Injury	Restrict area to employees required	

objects	RISK LEVEL - LOW	for tasks PPE supplied as needed	
Employees may be struck by unexpected movement of ride	Impact Injury/Crushing RISK LEVEL - MEDIUM - LOW	Restrict area to required employees only. Hydraulics off when not in use Supervision by management	Normally only 2 experienced staff
Erecting device close to power lines	Electrocution RISK LEVEL - HIGH	Maintain clearance as laid down by Aust Standard AS3533.	Ride radius = 30feet/9m at a height of 30ft.
Employees may injure themselves in handling cars, fences, bars, braces and control unit.	Back/Muscle Injury RISK LEVEL - MEDIUM	Use correct manual handling methods Crane provided for loading cars over gooseneck	
Disbursement of air from tanks at close	Hearing effected RISK LEVEL - HIGH	PPE supplied for employee involved. Others to remain at rear of trailer unit.	Air may blow loose gravel and sand.

AMUSEMENT HIRE SERVICES

HAZARD IDENTIFICATION AND RISK ASSESSMENT

INFLATABLES

Item	Hazard Identified	Priority	ACTION to eliminate or minimise	Completed
1	Ground conditions ,slope	cg=4	Do no set up on excessive slope	Each set-up
2	Clearances from wires, trees, structures	ag=1	Inspect site prior to commencing set-up. Measure clearances	Each set-up
3	Manual handling of components	cf=3	Manual handling procedures to be prepared and followed	Each set-up
4	Electrical connection	ae=1	Power off while handling leads. RCD installed for operation	Each set-up
5	Tripping over anchor ropes	dg=5	Restrict access to rear & sides. Train staff to watch public	Each set-up
6	Strong wind lifts ride from ground	bg=5	Visual check on anchor points and peg security, daily	Each day
7	Blower overheats and catches fire	ch=5	All power through RCD. Fire extinguishers available	Each set-up
8	Tripping over blower	dg=5	Restrict access to rear & sides. Train stall to watch public	Each set-up
9	Collision between patrons	dg=4	Do not overload bouncing area. Harmonise size of riders	Every ride
10	Access to ride area, tripping, fall, crush	dg=5	Provide non-climbable fence, locate correctly and securely	Each set-up
11	Patrons climbing walls and falling out of ride	df=4	Issue warnings, staff to supervise activity	Every ride
12	Night work. Tripping on access/egress	dg=4	Provide appropriate flood and general lighting	Each set-up
13	Worn ropes allowing movement of ride	ch=5	Inspect ropes daily, replace if necessary	Each day
14	Structure collapse, power, rips, tears	cg=4	Non-return flaps on blower, operator training, emergency evacuation proc.	Every ride
15	Sunburn to staff	cg=4	Provide block-out. PPE	Each day
16	Rain causes wet surfaces., slipping	dg=4	Cease operation until surface is dried	Every ride
17	Anchors work loose in wind	cg=4	Cease operation in strong wind. Select suitable anchors for ground conditions.	Every ride

ASSESSMENT

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		CERTAIN	PROBABLE	POSSIBLE	UNLIKELY
DEATH	a	1	1	2	3
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DOCTOR	c	2	3	4	5
BAND-AID	d	3	4	5	6

AMUSEMENT HIRE SERVICES

HAZARD IDENTIFICATION AND RISK ASSESSMENT

JUNGLE CHALLENGE

Item	Hazard Identified	Priority	ACTION to eliminate or minimise	Completed
1	Ground conditions, soft, slope	bf=2	Use appropriate blocking & strapping to spread load and stabilise ride	Each set-up
2	Clearances from wires, trees, structures	ae=1	Inspect site prior to commencing set-up. Measure clearances	Each set-up
3	Handling blocking, splinters	df=4	Issue gloves to all employees	Each set-up
4	Manual handling of components	cf=3	Manual handling procedures to be prepared and followed	Each set-up
5	Electrical connection	ae=1	Power off while handling leads. RCD installed for operation	Each set-up
6	Falling from top of ride while erecting	cg=4	Use fall restraint when climbing	Each set-up
7	Unauthorised ride start by public	cg=4	Fit security start system, double action switching	2003
8	Ride platform/steps slippery when wet	ch=5	Keep platform clean and dry. Caution patrons in wet weather	Each set-up
9	Public access to ride area during erection	cg=5	Erect perimeter fence at earliest opportunity	Each set-up
10	Power supply connected	ae=1	Disconnect power supply at source before rolling up cable	Each set-up

ASSESSMENT

Q 1. HOW SEVERE IS THE INJURY LIKELY TO BE?

Q 2. HOW LIKELY IS THE INJURY TO OCCUR?

		e	f	g	h
		CERTAIN	PROBABLE	POSSIBLE	UNLIKELY
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HOSPITAL	b	1	2	3	4
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AMUSEMENT HIRE SERVICES

HAZARD IDENTIFICATION AND RISK ASSESSMENT

SIZZLER

Item	Hazard Identified	Priority	ACTION to eliminate or minimise	Completed
1	Ground conditions, soft, slope	bf=2	Use appropriate blocking & strapping to spread load and stabilise ride.	Each set-up
2	Clearances from wires, trees, structures	ae=2	Inspect site prior to commencing set-up. Measure clearances.	Each set-up
3	Handling blocking, splinters	df=4	Issue gloves to all employees.	Each set-up
4	Lowering trailer to ground, crushing of limbs	bg=3	Work procedure to stipulate no employees under trailer while lowering.	Each set-up
5	Electrical leads under trailer	ae=1	Position electrical leads clear of trailer area.	Each set-up
6	Install top lights, slips, falls	cg=4	Correct footwear and clean climbing surfaces of grease etc.	Each set-up
7	Public access to erection area	bg=3	Erect perimeter fence around area as soon as fence is accessible.	Each set-up
8	Unfold arms and pin, crushing, jamming	cg=4	Workers are to push arms, not pull, and keep clear of joint areas.	Each set-up
9	Lowering chairs to working position, crushing	cg=4	Workers are to stand clear of area. Turfor worked from behind.	Each set-up
10	Positioning centre cover plates, crushing	cg=4	Plates are to be handled by two men.	Each set-up
11	Manual handling of components	cf=3	Manual handling procedures to be prepared and followed.	Each set-up
12	Public access to operating area of ride	be=1	Ensure fences and gates are in place and secure.	Every ride
13	Riders hands jammed by safety bar	bg=3	Operator to ensure hands are clear prior to closing bar.	Every ride
14	Patrons slip crossing metal deck of trailer	bg=3	Operator to direct riders around ride, not across deck.	Every ride
15	Patrons fall, slip climbing in or out of cars	bg=3	Operator to assist as required.	Every ride

ASSESSMENT

Q 1. HOW SEVERE IS THE INJURY LIKELY TO BE?

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		CERTAIN	PROBABLE	POSSIBLE	UNLIKELY
DEATH	a	1	1	2	3
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TRABANT, LOVE EXPRESS

HAZARD IDENTIFICATION AND RISK ASSESSMENT
TRABANT, LOVE EXPRESS

ASSESSMENT

Q2. HOW LIKELY IS THE INJURY TO OCCUR?

		e f g h				
		CERTAIN	PROBABLE	POSSIBLE	UNLIKELY	
Q1. HOW SEVERE IS THE INJURY LIKELY TO BE?	DEAD	a	1	1	2	3
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2	Clearances from wires, trees, structures	ae=1	Inspect site prior to commencing set-up. Measure clearances.	Each set-up
3	Handling blocking, splinters	df=4	Issue gloves to all employees	Each set-up
4	Lowering trailer to ground, crushing of limbs	bg=3	Work procedure to stipulate no employee under trailer while lowering	Each set-up
5	Electrical leads under trailer	ae=1	Position electrical leads clear of trailer area	Each set-up
6	Install top lights, slips, falls	cg=4	Correct footwear and clean climbing surfaces of grease etc	Each set-up
7	Public access to erection area	bg=3	Erect perimeter fence around area as soon as fence is accessible	Each set-up
8	Unfold arms and pin, crushing, jamming	cg=4	Workers are to push arms, not pull, and keep clear of joint areas	Each set-up
9	Lowering chairs to working position, crushing	cg=4	Workers are to stand clear of area. Turf worked from behind.	Each set-up
10	Positioning centre cover plates, crushing	cg=4	Plates are to be handled by two men.	Each set-up
11	Manual handling of components	cf=3	Manual handling procedures to be prepared and followed.	Each set-up
12	Public access to operating area of ride	be=1	Ensure fences and gates are in place and secure.	Every ride
13	Riders hands jammed by safety bar	cg=4	Operator to ensure hands are clear prior to closing bar	Every ride
14	Patrons slip crossing deck	df=4	Operator to ensure deck is kept clean. Warn patrons if wet.	Every ride
15	Patrons fall, slip climbing in or out of cars	dg=5	Operator to assist as required	Every ride

TRABANT, LOVE EXPRESS, *MUSIC TRIP*

HAZARD IDENTIFICATION AND RISK ASSESSMENT

TRABANT, LOVE EXPRESS, *music trip*

ASSESSMENT

Q2. HOW LIKELY IS THE INJURY TO OCCUR?

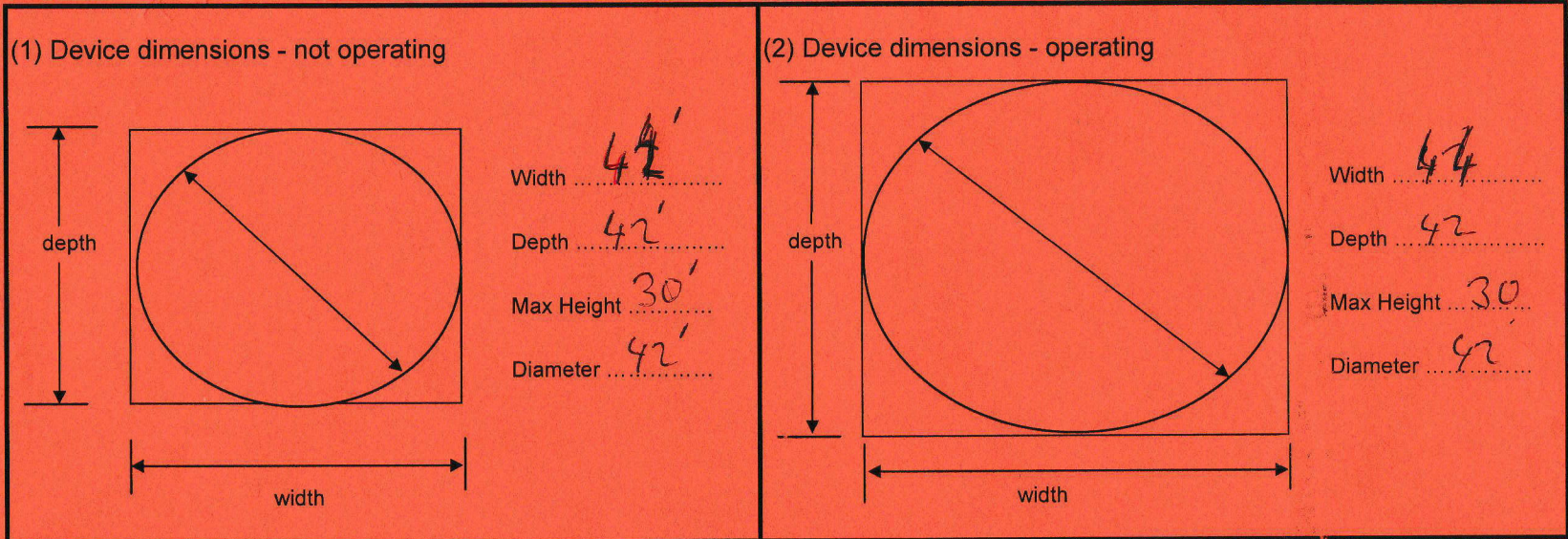
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Q1. HOW SEVERE IS THE INJURY LIKELY TO BE?	DEAD	a	1	1	2	3
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3	Handling blocking, splinters	df=4	Issue gloves to all employees	Each set-up
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5	Electrical leads under trailer	ae=1	Position electrical leads clear of trailer area	Each set-up
6	Install top lights, slips, falls	cg=4	Correct footwear and clean climbing surfaces of grease etc	Each set-up
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12	Public access to operating area of ride	be=1	Ensure fences and gates are in place and secure.	Every ride
13	Riders hands jammed by safety bar	cg=4	Operator to ensure hands are clear prior to closing bar	Every ride
14	Patrons slip crossing deck	df=4	Operator to ensure deck is kept clean. Warn patrons if wet.	Every ride
15	Patrons fall, slip climbing in or out of cars	dg=5	Operator to assist as required	Every ride

Prepared by BCS Inspections
02 4229 7224

Ride Name **MUSIC TRIP** X 7281/08

DEVICE SET UP DETAILS AND LOADING AND OPERATING RESTRICTIONS



Loading/seating restrictions 20 SEATS AVOID SINGLE PERSONS IF SMALL Maximum age/weight/height Minimum age/weight/height Variation allowed if accompanied by adult Age/height under which riding is NOT permitted No adults per car 2 No children per car 3 Total number of riders A C	Operating conditions Safe wind speed Maximum operating speed (rpm, m/s, kph) 22 R.M.M Recommended operating speed (rpm, m/s, kph) Direction of travel EITHER Maximum ride cycle time	Power Voltage 415 V No. phases 3 No. wires 5 Frequency kVA or kw 30 KW
	Fire extinguishers Size Rating Number required	Engine Type kw rating
	Comments	Drive Hydraulic Electric DRIVEN ✓ Other