

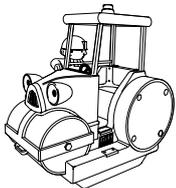
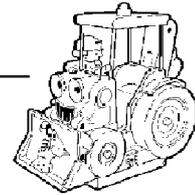


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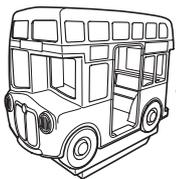
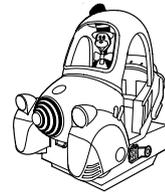
ARTHUR

BOB THE BUILDER (SCOOP)



BOB THE BUILDER (ROLEY)

CAT IN THE HAT



CITY TOUR AND FUN BUS

CLIFFORD



FORKTRUCK

HELICOPTER





Contents



ICON

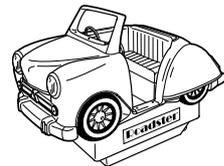
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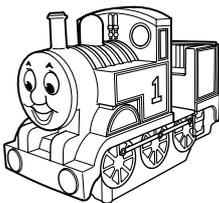
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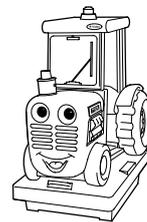
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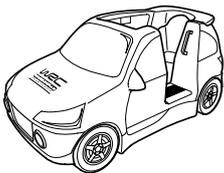
THOMAS



TRACTOR



WORLD RALLY CAR



VIDEO EQUIPMENT
REGISTRATION CARD





REGISTRATION WARRANTY CARD

Ride type:-

Serial number:-

First name:-

Initial:-

Last name:-

Business/Organization name:-

Job title:-

Address:-

Post code/Zip code:-

Country:-

Telephone No:-

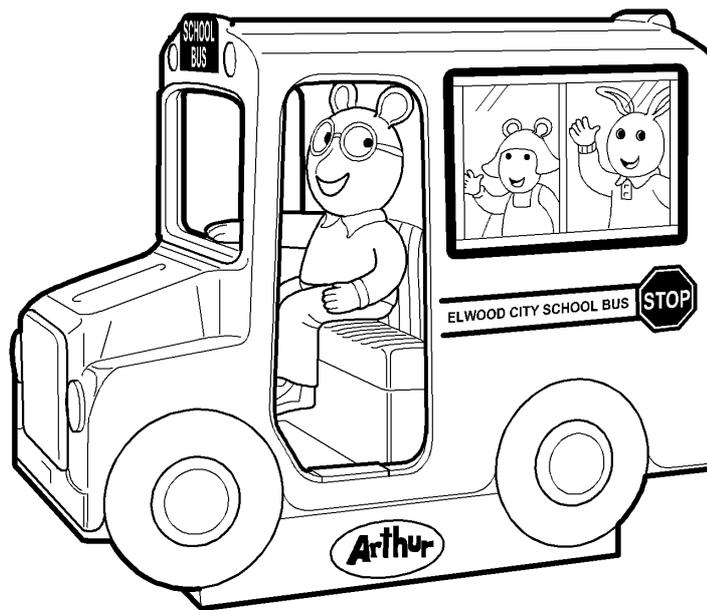
Fax No:-

E-Mail:-

NOTE

To register your kiddie ride, please print and fax the above form to +44(0)1754 896800 or E-mail details to sales@jolly-roger.co.uk





ARTHUR(SCHOOL BUS) HANDBOOK

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System 4000

JR006

November 2003

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JOLLY ROGER (Amusement Rides) Ltd reserves the right to make changes, for the purpose of product improvement, at any time.

Jolly Roger (Amusement Rides) Ltd. College View Works, Manby Road, Grimoldby, Louth, Lincolnshire, England. LN11 8HE.

Telephone: + 44 (0) 1507 328856

Fax: + 44 (0) 1507 327060

E-mail: sales@jolly-roger.co.uk

This handbook was prepared for Jolly Roger (Amusement Rides) Ltd
by
Bowne Global Solutions Ltd.,
Cophall Terrace,
Coventry,
United Kingdom
CV1 2FP

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

INTRODUCTION

Thank you for purchasing your new Kiddie Ride from Jolly Roger (Amusement Rides) Limited and we trust it will give many years of trouble-free profitable service.

Whilst this booklet has been produced primarily with our United Kingdom and European customers in mind, it will certainly be of benefit to other users worldwide.

Reference is made to the United Kingdom Health and Safety at Work Act - Code of Safe Practice at Fairs (which specifically includes coin operated Children's Rides), the Industry Standard for the construction, operation and use of coin-operated Children's Rides, and the EC Declaration of Conformity (CE Mark).

The Rides comply with United Kingdom and European Community regulations, and are ETL listed to comply with US Standard UL 22 covering Amusement Games and Canadian standard C22.2 No 68 covering motor operated appliances.

The rides are designed for intermittent use and the maximum anticipated duty cycle is 30 operations per hour.

The guidance given in this publication is relevant to the safe operation of children's rides wherever they may be operated.

WARNINGS & CAUTIONS

The international safety sign is used throughout this Handbook where specific safety precautions are detailed. The sign is positioned so that the precautions are readily identifiable.

WARNING

INTERNATIONAL SAFETY SIGN



WARNINGS

Warnings call attention to instructions, which must be followed precisely to avoid injury or death.

CAUTIONS

Cautions call attention to instructions, which must be followed precisely to avoid damaging the equipment.

JOLLY ROGER AMUSEMENT RIDES

HEALTH AND SAFETY - CODE OF SAFE PRACTICE AT FAIRS - INDUSTRY STANDARDS

(UNITED KINGDOM)

- 1.1 Our equipment has been manufactured to the highest standard of construction and safety in order to conform to the H.S.E. Fairground and Amusement Parks, A Code of Safe Practice and the U.K. Health and Safety at Work Act 1974.
- 1.2 This machine must be earthed. (CONNECTED TO GROUND)
- 1.3 If a 13 Amp BS1363 plug is fitted then a 5 amp fuse should be fitted. (UK only)
- 1.4 If the ride is to be situated outdoors, the socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a residual current circuit breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.
- 1.5 In addition to our manufacturer's test and the daily checks every ride shall be subject to a Thorough Examination by an appointed person once every period of 14 months. (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). The regulation applies in the UK only, however it is sound operating practice wherever a ride is operated.
- 1.6 The appointed person need not be independent, but should be at least 21 years old, registered under the Amusement Device Inspection Procedures Scheme (ADIPS) and be competent by such qualifications, knowledge, experience and supporting services to be able to make an assessment of the safety of the ride, including any associated equipment/parts e.g. electrical, hydraulic or pneumatic.
- 1.7 The appointed person should have the technical competence to recognise the significance of the effects of stresses, loadings and fatigue and also be competent to determine the extent of permissible wear.
- 1.8 The Thorough Examination is to be carried out by a registered body in accordance with the regulations laid down in the Health and Safety at Work Act 1974 (Fairgrounds and Amusements Parks-Guidance on Safe Practice, HSG 175). A Report of Inspection is to be completed after the Thorough Examination. (Applicable in UK only).
- 1.9 On completion of the Thorough Examination, a Declaration of Operational Compliance (DOC) certificate is to be issued which must be retained for a period of ten years and be available for inspection by the Health and Safety Inspectorate and/or the appropriate officer of the Environmental Health Department of a Local authority. (Applicable in UK only).

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

- 1.10 If considered necessary, further protection to the power supply may be afforded by conduit, trunking, or rubber protector strip with tapered edges and non-slip ribbed bases. Care is needed to avoid a tripping hazard.
- 1.11 The Kiddie Rides should be so sited that the length of cable between the ride and socket outlet is a minimum. For floor mounted socket outlets, the ride may be positioned so that there is virtually no exposed cable.
- 1.12 Galvanised steel braided armoured cable and flexible copper braided cable cannot be satisfactorily terminated in a 13 amp standard (BS 1363) plug. Such cables can be terminated in industrial type plugs BS 196 or BS 4343 or equivalent, but these require the special suitable sockets. (Applicable in UK only).

JOLLY ROGER AMUSEMENT RIDES

INSTALLATION

Siting

WARNING



IT IS NOT RECOMMENDED THAT THE RIDE BE SITED ON A PLINTH, PLATFORM OR ANY FORM OF MATTING. DOING THIS WILL INCREASE THE HEIGHT OF THE RIDE FROM THE GROUND AND MAY CAUSE INJURY FROM FALLING OR TRIPPING.

2.1 A common sense approach should be adopted when siting Kiddie Rides. The following items are an indication, but not exhaustive:

2.1.1 Position the Ride on a level surface.

2.1.2 Ensure there is adequate clearance all round the Ride to minimise the risk of injury to the passengers or public. If possible, a 1 metre clearance around the ride is recommended.

2.1.3 **DO NOT** obstruct emergency exits.

2.1.4 **DO NOT** obstruct fire appliances, hydrants etc.

2.1.5 If sited outside:

The socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a Residual Current Circuit Breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.

DO NOT operate in adverse weather conditions.

NOTE

This ride is considered suitable for outdoor protected locations i.e. under a canopy, or cover and not in a position where the ride could be exposed to direct rain or snow, or other adverse weather conditions.

2.1.6 **DO NOT** locate the ride directly against the plug, which should remain accessible at all times

2.1.7 The ride is not suitable for installation or operation in an area where a water jet could be used

CAUTION

For safety reasons the electrical wiring is colour coded as follows:



2.1.8 For rides with 220-240 volt electrical supply, the wiring colour codes are:

Brown - live
Green/Yellow-earth
Blue – neutral.

2.1.9 For rides with 110-120 volt electrical supply, the wiring colour codes are:

Black - live
Green - earth
White – neutral.

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

INSTALLATION

Site d'installation

ATTENTION  **IL N'EST PAS RECOMMANDE DE CONDUIRE SUR UNE PENTE, RAMPE OU AUTRE AFIN DE NE PAS ELEVER LA HAUTEUR DU VEHICULE ET NE PAS CAUSER DE BLESSURES EN RAISON DE RENVERSEMENT OU D'ACCROCHAGE.**

2.1 Faites appel à votre bon sens quand vous choisissez le site d'installation des manèges pour enfants. Les points suivants sont donnés à titre indicatif mais ne sont pas exhaustifs:

2.1.1 Placer le manège sur une surface nivelée.

2.1.2 S'assurer qu'il y a suffisamment d'espace tout autour du manège pour minimiser le risque de blessures pouvant être causées aux passagers ou au public. Si c'est possible, il est conseillé de laisser 1 mètre d'espace tout autour du manège.

2.1.3 **NE PAS** obstruer les sorties de secours.

2.1.4 **NE PAS** obstruer les bouches d'incendie et la voie de passage des voitures de pompiers.

2.1.5 Si le manège est situé à l'extérieur:

La fiche d'alimentation secteur devrait être branchée avec une prise mâle résistant aux intempéries et protégée en permanence par un disjoncteur de courant résiduel ou un disjoncteur différentiel ayant un taux de déclenchement ne dépassant pas 30 milliampères en 30 milli-secondes.

NE PAS faire fonctionner cette machine lors d'intempéries.

NOTE

On considère que ce manège est adapté à des endroits en plein air abrités, par exemple sous un toit, ou un abri et placé de sorte que le manège ne soit pas exposé directement à la pluie ou à la neige ou à d'autres intempéries.

2.1.6 **NE PAS** installer le manège directement contre la prise; cette dernière devrait toujours être accessible.

2.1.7 Il n'est pas convenable d'installer ou de faire marcher le manège dans un endroit où l'on pourrait utiliser des jets d'eau.

AVERTISSEMENT  **Pour des raisons de sécurité, le circuit électrique est repéré par couleurs comme indiqué ci-dessous:**

2.1.8. Pour les manèges alimentés en 220-240 volt, le circuit électrique est le suivant:

Marron : phase
Vert/Jaune : terre
Bleu : neutre.

2.1.9 Pour les manèges alimentés en 110-120 volt, le circuit électrique est le suivant:

Noir : phase
Vert : terre
Blanc : neutre.

ATTENTION  **TOUJOURS DEBRANCHER LA MACHINE DE L'ALIMENTATION SECTEUR AVANT D'EFFECTUER TOUTE REPARATION OU TOUTE VERIFICATION.**

JOLLY ROGER AMUSEMENT RIDES

OPERATION

General

3.1 A coin-operated Kiddie Ride should not be used unless a D.O.C. has been provided, indicating that the device is safe to operate (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). This regulation applies in the UK only.

JOLLY ROGER AMUSEMENT RIDES

MAINTENANCE

GENERAL

4.1 The rides do not require any periodic maintenance but, they should be checked regularly to ensure that they are in a safe condition for operation by the general public. In the unlikely event of the need to make adjustments or repairs to the machine, the following procedures are recommended.

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS OR COIN MECHANISMS.



Control unit

4.2 The control unit, which operates at 12 volts, is located at the back of the coin acceptor compartment. To remove/refit the control unit proceed as follows:

4.2.1 Remove the coin acceptor (para 4.3 or 4.4).

4.2.2 Remove the two thumb nuts located at each end of the unit.

4.2.3 The control unit may now be removed by pulling it forwards and withdrawing it through the coin acceptor aperture in the cash box assembly.

4.2.4 The mode of operation may now be altered by referring to the basic configuration, as printed on its enclosure, or by referring to the advanced configuration referred to at para 4.7.

4.2.5 Refit the unit by positioning it on the two locator bolts and gently pushing it back into place, ensuring that the plugs and sockets connect to each other.

4.2.6 Refit the two thumb nuts to ensure a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

Coin acceptor (mechanical)

4.3 To remove/refit the coin acceptor proceed as follows:

4.3.1 Remove the coin acceptor by turning the lock situated on the faceplate - the coin acceptor can now be removed from the machine and the wires pulled off the coin acceptor microswitch if desired.

NOTE

Ensure that the wires are reconnected on the correct terminals (C and NO).

4.3.2 To remove litter from the coin acceptor, slide off the spring clip on the top of the mechanism and remove side plate, then remove any litter or obstruction.

4.3.3 Refit the coin acceptor in reverse order to removal, ensuring that the pins on the main coin acceptor body locate in the dimples on the side plate.

4.3.4 Adjusting screws for coin diameter and thickness are also located on the side plate, these are factory set and should not normally require alteration.

JOLLY ROGER AMUSEMENT RIDES

Coin acceptor (electronic) MARS

4.4 To remove/refit the coin acceptor proceed as follows:

4.4.1 Remove the coin acceptor by turning the lock situated on the faceplate and disconnect the cable plug from the printed circuit board on the mechanism - the coin acceptor can now be removed from the machine.

4.4.2 To remove litter from the coin acceptor, pull the hinged side plate sideways and remove any litter or obstruction. Release hinged side plate.

4.4.3 Refit the coin acceptor in reverse order to removal, ensuring that the cable plug is reconnected to the printed circuit board on the mechanism.

WARNING NEVER REMOVE OR REPLACE AN ELECTRONIC MECHANISM WITH THE POWER SUPPLY SWITCHED ON.



Electronic coin mechanism MARS - switch positions

4.5 To inhibit coins:

With machine switched on:

4.5.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = ON.

4.5.2 Press reject button within 20 seconds of setting slide switches.

4.5.3 Insert all coins to be inhibited.

4.5.4 Press reject button within 20 seconds of inserting coins. Inhibited coins should now be rejected.

4.6 To re-enable inhibited coins:

With machine switched on:

4.6.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = OFF.

4.6.2 Press reject button within 20 seconds of setting slide switches.

4.6.3 Insert all coins to be re-enabled.

4.6.4 Press reject button within 20 seconds of inserting coins. Previously inhibited coins should now be accepted.

NOTE

Mechanism must be powered up before changing switch positions. Switch positions must be moved prior to attempting either of the above.

JOLLY ROGER AMUSEMENT RIDES

Stamar “Plug n Play” Kiddie Ride Controller Credit Programming Instructions

4.7 The “Plug n Play” Timer Unit can now be programmed “on-site” for any Credit functions as shown by the following instructions. This facility is incorporated on all software from JR TDv4 onwards

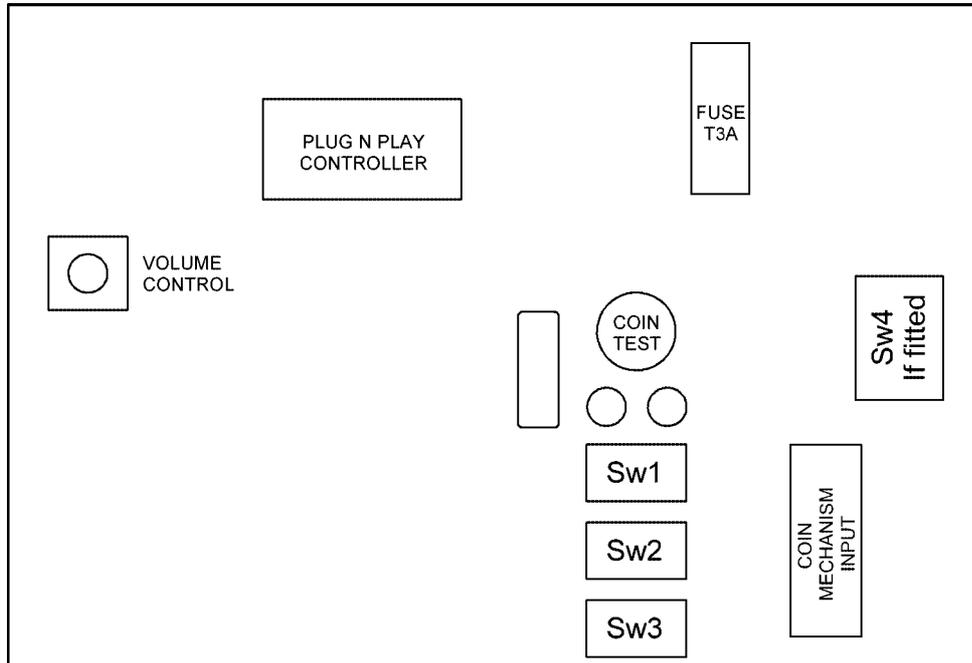


Fig 1 Programmable Control Unit

JR423

Credit Programming sequence

1. Turn Ride OFF
2. Make a note of the current SW1 settings
3. Set ALL SW1 switches to the OFF position
4. Turn the Ride ON
5. Enter coins to the value of the first Credit value
6. Press the Ride Start Switch for the number of rides required for this credit value
7. Insert coins for the next credit value required
8. Press the Ride Start Switch for the next number of rides required
9. Repeat this process until ALL credit values have been entered
10. Now PRESS and HOLD the Ride Start Switch until the voice prompt announces that the programming is completed, approximately 4-5 seconds
11. Turn the Ride OFF
12. Set ALL SW1 switches to the ON position
13. The new Credit Program is now installed
14. If at any time during the process, you wish to cancel the programming function, simply turn the Ride OFF and re-set the original SW1 positions. This will restore the previous credit program

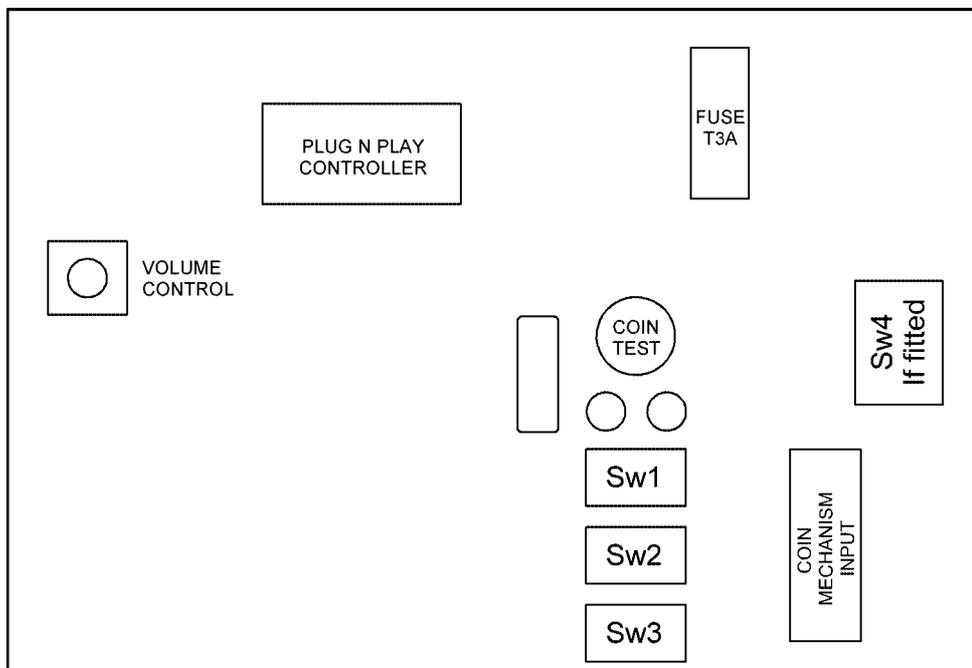
JOLLY ROGER AMUSEMENT RIDES

Stamar “Plug n Play” Kiddie Ride Controller Configuration Instructions

4.8 The new “Plug n Play” programmable control unit has four externally accessible DIL switches, SW1, SW2, SW3 and SW4, which are used to select the most popular modes of operation.

NOTES

1. It is advisable to remove the control unit from the ride as this will assist viewing the switches and referring to these instructions. The control unit can be easily “unplugged” from the ride **AFTER POWER TO THE RIDE HAS BEEN SWITCHED OFF** and the two mounting bolts have been removed.
2. All alterations to these switches should only be made after power to the ride has been turned off as this will avoid any unintentional damage to the control unit and/or the ride.



JR423

Fig 1 Programmable Control Unit

JOLLY ROGER AMUSEMENT RIDES

SW1 sets the Price of Play value or Credit Program Options.

4.9 The SW1 switch is used to set price at play value or credit program options.

NOTES

1. The setting for **either** “price of play” **or** “credits” on SW1 as shown below are selected using **SW3/S4** as shown in SW3 settings below.

i.e. SW3/S4 must be set to On if “Price of Play” options are required.

SW3/S4 must be set to Off if “Credit Programs” are required.

2. The **Price of Play** refers to multiples of the **Base Coinage** that the coin mechanism has been programmed to accept:

- UK Mechanism. The mechanism is programmed for a 10p base and gives play values from 10p (min) to £2.00 (max).
- USA Mechanism. The mechanism is programmed for a 25c base and gives play values from 25c (min) to \$3.75 (max).

SW1

S1	S2	S3	S4	Price Of Play Selected	Or	Pre - Programmed Credit Options Available							
on	off	off	off	1 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">30 P 1 RIDE</td> <td style="width: 25%;">50 P 2 RIDES</td> <td style="width: 25%;">£1 5 RIDES</td> <td style="width: 25%;"></td> </tr> </table>	30 P 1 RIDE	50 P 2 RIDES	£1 5 RIDES				
30 P 1 RIDE	50 P 2 RIDES	£1 5 RIDES											
off	on	off	off	2 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">20 P 1 RIDE</td> <td style="width: 25%;">50 P 3 RIDES</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>	20 P 1 RIDE	50 P 3 RIDES					
20 P 1 RIDE	50 P 3 RIDES												
on	on	off	off	3 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">40 P 1 RIDE</td> <td style="width: 25%;">£1 3 RIDES</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>	40 P 1 RIDE	£1 3 RIDES					
40 P 1 RIDE	£1 3 RIDES												
off	off	on	off	4 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">50 P 1 RIDE</td> <td style="width: 25%;">£1 3 RIDES</td> <td style="width: 25%;">£2 6 RIDES</td> <td style="width: 25%;"></td> </tr> </table>	50 P 1 RIDE	£1 3 RIDES	£2 6 RIDES				
50 P 1 RIDE	£1 3 RIDES	£2 6 RIDES											
on	off	on	off	5 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">60 P 1 RIDE</td> <td style="width: 25%;">£1 2 RIDES</td> <td style="width: 25%;">£2 5 RIDES</td> <td style="width: 25%;"></td> </tr> </table>	60 P 1 RIDE	£1 2 RIDES	£2 5 RIDES				
60 P 1 RIDE	£1 2 RIDES	£2 5 RIDES											
off	on	on	off	6 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">10 P 1 RIDE</td> <td style="width: 25%;">30 P 4 RIDES</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>	10 P 1 RIDE	30 P 4 RIDES					
10 P 1 RIDE	30 P 4 RIDES												
on	on	on	off	7 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">£1 1 RIDE</td> <td style="width: 25%;">£2 3 RIDES</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>	£1 1 RIDE	£2 3 RIDES					
£1 1 RIDE	£2 3 RIDES												
off	off	off	on	8 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">£2 1 RIDE</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>	£2 1 RIDE						
£2 1 RIDE													
on	off	off	on	9 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">20 P 1 RIDE</td> <td style="width: 25%;">40 P 3 RIDES</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>	20 P 1 RIDE	40 P 3 RIDES					
20 P 1 RIDE	40 P 3 RIDES												
off	on	off	on	10 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">10 P 1 RIDE</td> <td style="width: 25%;">20 P 3 RIDES</td> <td colspan="2" style="width: 50%; text-align: center;">Available on JRTDv3 software onwards 01/05/2001</td> </tr> </table>	10 P 1 RIDE	20 P 3 RIDES	Available on JRTDv3 software onwards 01/05/2001				
10 P 1 RIDE	20 P 3 RIDES	Available on JRTDv3 software onwards 01/05/2001											
on	on	off	on	11 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">60p 1 RIDE</td> <td style="width: 25%;">£1 2 RIDES</td> <td style="width: 25%;">£2 4 RIDES</td> <td rowspan="2" style="width: 25%; text-align: center;">Available on JRTDv4 software onwards 01/05/2002</td> </tr> <tr> <td style="width: 25%;">70p 1 RIDE</td> <td style="width: 25%;">£1 2 RIDES</td> <td style="width: 25%;">£2 4 RIDES</td> </tr> </table>	60p 1 RIDE	£1 2 RIDES	£2 4 RIDES	Available on JRTDv4 software onwards 01/05/2002	70p 1 RIDE	£1 2 RIDES	£2 4 RIDES
60p 1 RIDE	£1 2 RIDES	£2 4 RIDES	Available on JRTDv4 software onwards 01/05/2002										
70p 1 RIDE	£1 2 RIDES	£2 4 RIDES											
off	off	on	on	12 Coin	Or								
on	off	on	on	13 Coin	Or								
off	on	on	on	14 Coin	Or	Free Play For Exhibition Or Test Use							
on	on	on	on	15 Coin	Or	Programmable By User							
off	off	off	off	User on site Programming Mode		Available on JRTDv4 software onwards							

JOLLY ROGER AMUSEMENT RIDES

Ride time

4.10 SW2 is used to set the ride time. The ride time can be set from 30 seconds to 120 seconds in 15 second increments or to run for as long as the main background soundtrack.

SW2

Ride Time	S1	S2	S3	S4
30 secs	off	off	off	OFF
45 secs	on	off	off	OFF
60 secs	off	on	off	OFF
75 secs	on	on	off	OFF
90 secs	off	off	on	OFF
105 secs	on	off	on	OFF
120 secs	off	on	on	OFF
Ride time set to soundtrack	on	on	on	OFF

NOTE

S4 is used for a diagnostic test sequence during manufacture and under normal operating conditions is not used and must be set to the **OFF** position.

Additional ride features

4.11 SW3 selects additional ride features.

SW3

	S1	S2	S3	S4
Prompt phrases On/Off	On/Off	x	x	x
Attract sounds On/Off	x	On/Off	x	x
Count no. of Rides	x	x	On	x
Count No. of Coins (coin mech. Base coin value)	x	x	Off	x
Select <i>Price of Play</i> options	x	x	x	On
Select <i>Credit Program</i> options	x	x	x	Off

JOLLY ROGER AMUSEMENT RIDES

Ride flasher options

4.12 SW4 selects the ride flasher options (if fitted).

SW4

	S1	S2	S3	S4
1 Channel flasher output	Off	Off	x	OFF
2 Channel running flasher outputs	On	Off	x	OFF
3 Channel running flasher outputs	Off	On	x	OFF
4 Channel running flasher outputs	On	On	x	OFF
Standard flasher speed	x	x	Off	OFF
Fast flasher speed	x	x	On	OFF

NOTE

S4 is used to select "Program Mode" and under normal operating conditions is not to be used and must be set to the **OFF** position. "Program Mode" should only be used by experienced operators familiar with the extended programming sequence, or under direct instruction from Jolly Roger (Amusement Rides) Ltd., or Stamar Electronics.

Volume adjustment

4.13 Access to the volume control knob is gained by removing the coin mechanism (para 4.3 or 4.4) and is adjusted by turning the control knob on the timer which is located on the back wall of the compartment.

Access to other components

4.14 Access to the Power supply unit (PSU), main fuses and other components on the chassis is gained by removing the bottom cover (para 4.22).

Drive belt adjustment

4.15 The "final drive" belt is adjusted by loosening the four bolts holding the camshaft bearings and sliding the whole assembly to adjust.

NOTE

This belt should run tight.

4.16 The "countershaft" belt is adjusted by loosening the four bolts holding the motor and sliding the motor to adjust.

NOTE

This belt should run quite loose.

4.17 Both belts are correctly tensioned during manufacture and should not require adjustment.

Bearings

4.18 All bearings are greased for life and should normally not be re-packed with grease. However, in certain circumstances the bearings may require lubrication. If this situation arises, apply grease sparingly.

JOLLY ROGER AMUSEMENT RIDES

Fuses

4.19 Fuses are located in the side of the PSU. Never replace fuses with a higher value than recommended.

Body and other mouldings

4.20 Clean with damp cloth rinsed out in soapy water, do not hose down or flood the machine. Alternatively, a proprietary household furniture cleaner may be used.

Removal of body shell

NOTE

Refer to Figure 7 in Spare Parts section for item numbers.

4.21 To remove the body shell

4.21.1 Remove the six nuts (Fig 7 item 6) and washers (Fig 7 item 5) situated under the body shell, which attach the body to the chassis.

4.21.2 Disconnect the electrical wiring underneath the body shell by undoing the plug and socket connector.

4.21.3 Remove body shell.

Removal of bottom cover

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



4.22 To remove the bottom cover proceed as follows

CAUTION Care is to be taken when carrying out step 4.22.1



4.22.1 Turn ride on to its side.

4.22.2 Remove the four hexagon retaining screws that secure the bottom cover.

4.22.3 Refit in reverse order to the removal.

Daily checks

4.23 A check of each coin-operated Kiddie Ride should, whenever reasonably practical, be carried out each day before it is made available for the public. The following checks are recommended: -

4.23.1 Check that the mains plug is undamaged and securely attached to the mains cable.

4.23.2 Check that the mains cable is undamaged.

4.23.3 Check that there are no broken or damaged parts of the ride that may cause injury.

4.23.4 Check that all guards are in place thus preventing any access to the mechanism.

4.23.5 Apply pressure to the ride to ensure that it is firmly secured to the base stem and check that all advisory literature is in place.

JOLLY ROGER AMUSEMENT RIDES

4.23.6 Ensure the area around the ride is free from obstruction and that persons passing by are not in any danger.

4.23.7 The ride should be kept clean and free from any customised additions unless approved by the manufacturer.

4.24 If as a result of the above visual checks any doubt arises, then the company, supplier or person responsible for the ride should be notified immediately.

Motor

The motor is fitted with a manual re-set thermal overload cut-out device in accordance with UL requirements.

4.25 When the motor does not operate, check if the thermal overload cut-out device has operated and re-set as follows:

CAUTION When the thermal overload cut-out device has operated, investigate and correct the fault before the ride is returned to use.



4.25.1 Disconnect the machine from the electrical power supply

4.25.2 Remove the bottom cover from the machine (para 4.22).

4.24.3 Re-set the thermal overload cut-out button on the motor backplate.

4.25.4 Refit the bottom cover to the machine (para 4.22).

4.25.5 Connect the electrical power and test the ride.

JOLLY ROGER AMUSEMENT RIDES

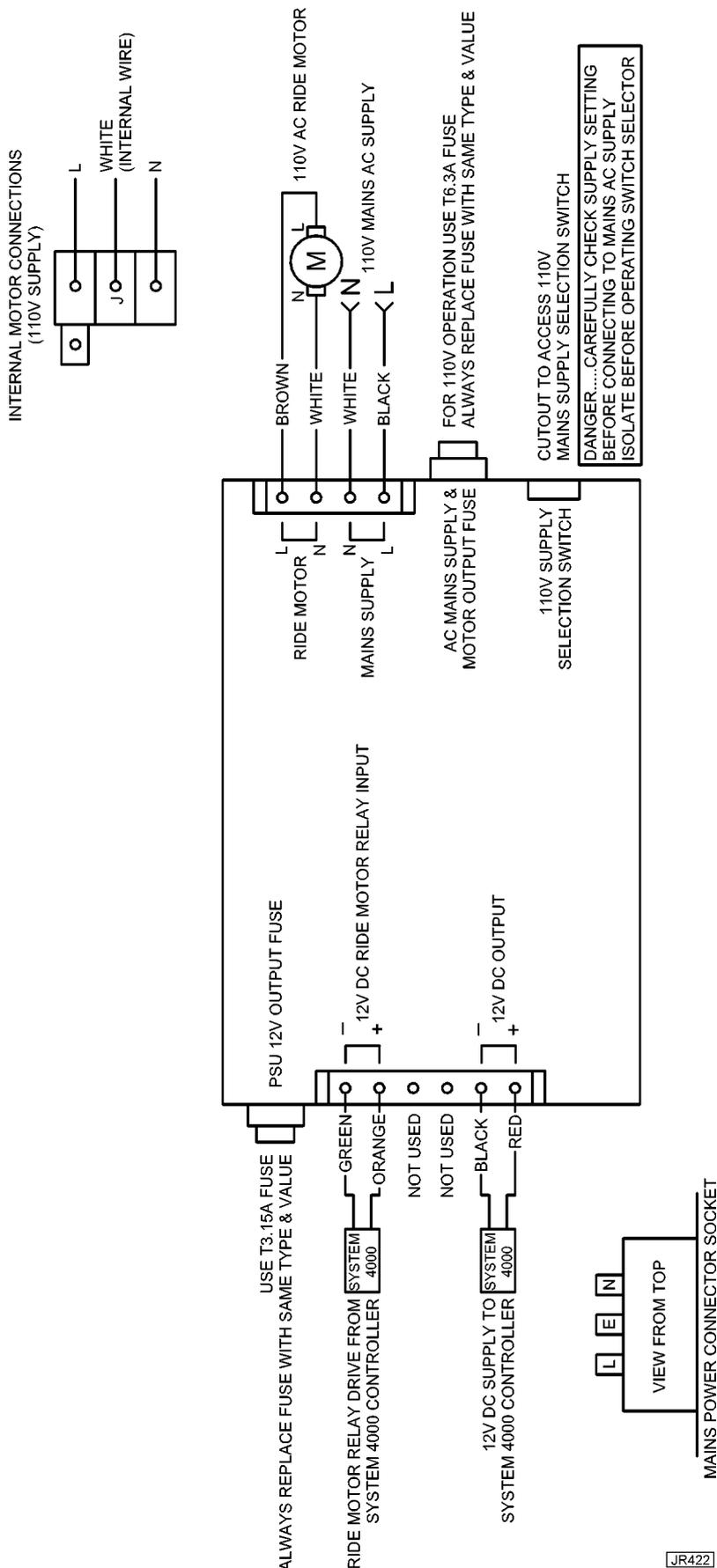
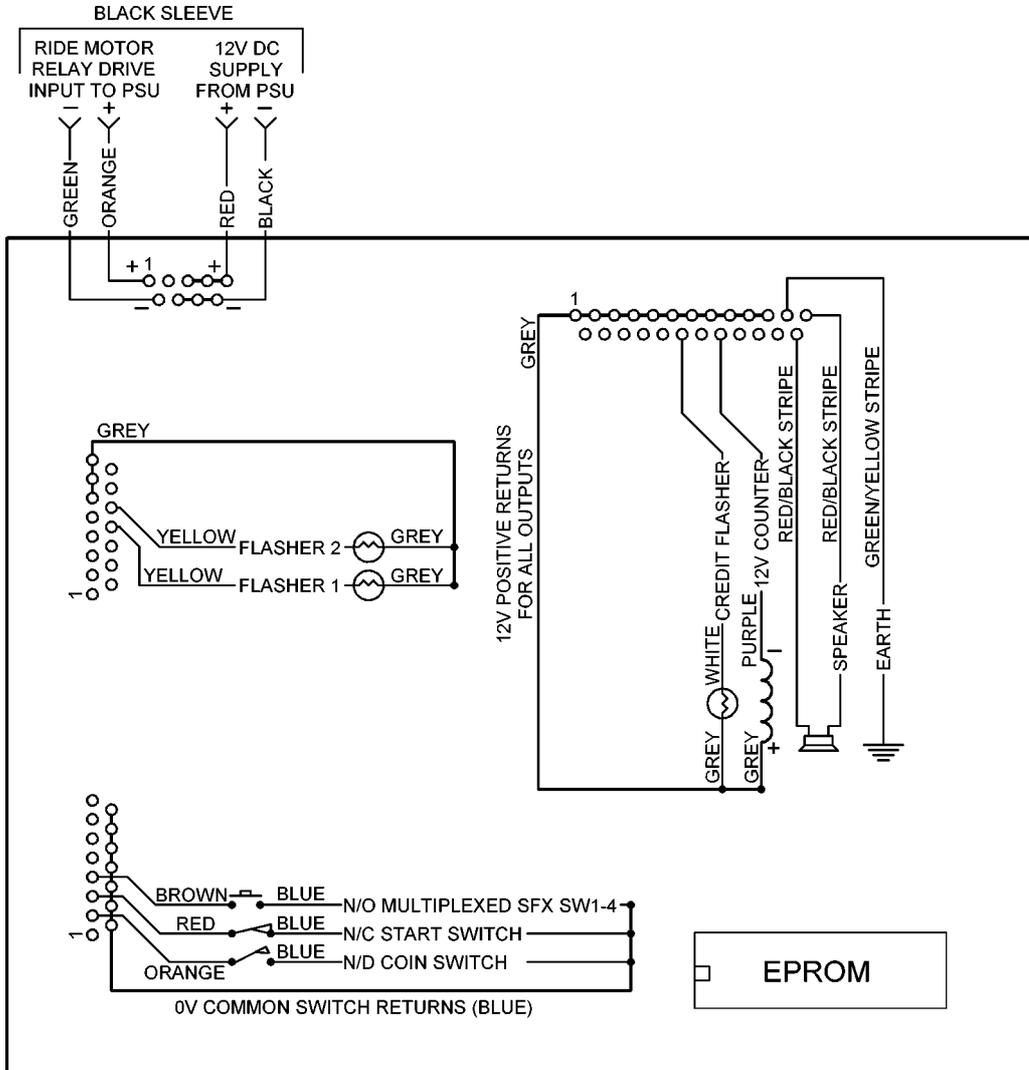


Fig 3 Wiring diagram (rides with the 110 Volts supply) - (System 4000)

JOLLY ROGER AMUSEMENT RIDES



JR420

Fig 4 Wiring diagram cash box - Base to body loom connector (System 4000)

JOLLY ROGER AMUSEMENT RIDES

SPARE PARTS

1. The machine serial number (if given) on the reference plate must always be quoted.
2. Quote the full part number and description as set out in the list.
3. State precisely how parts are to be despatched.

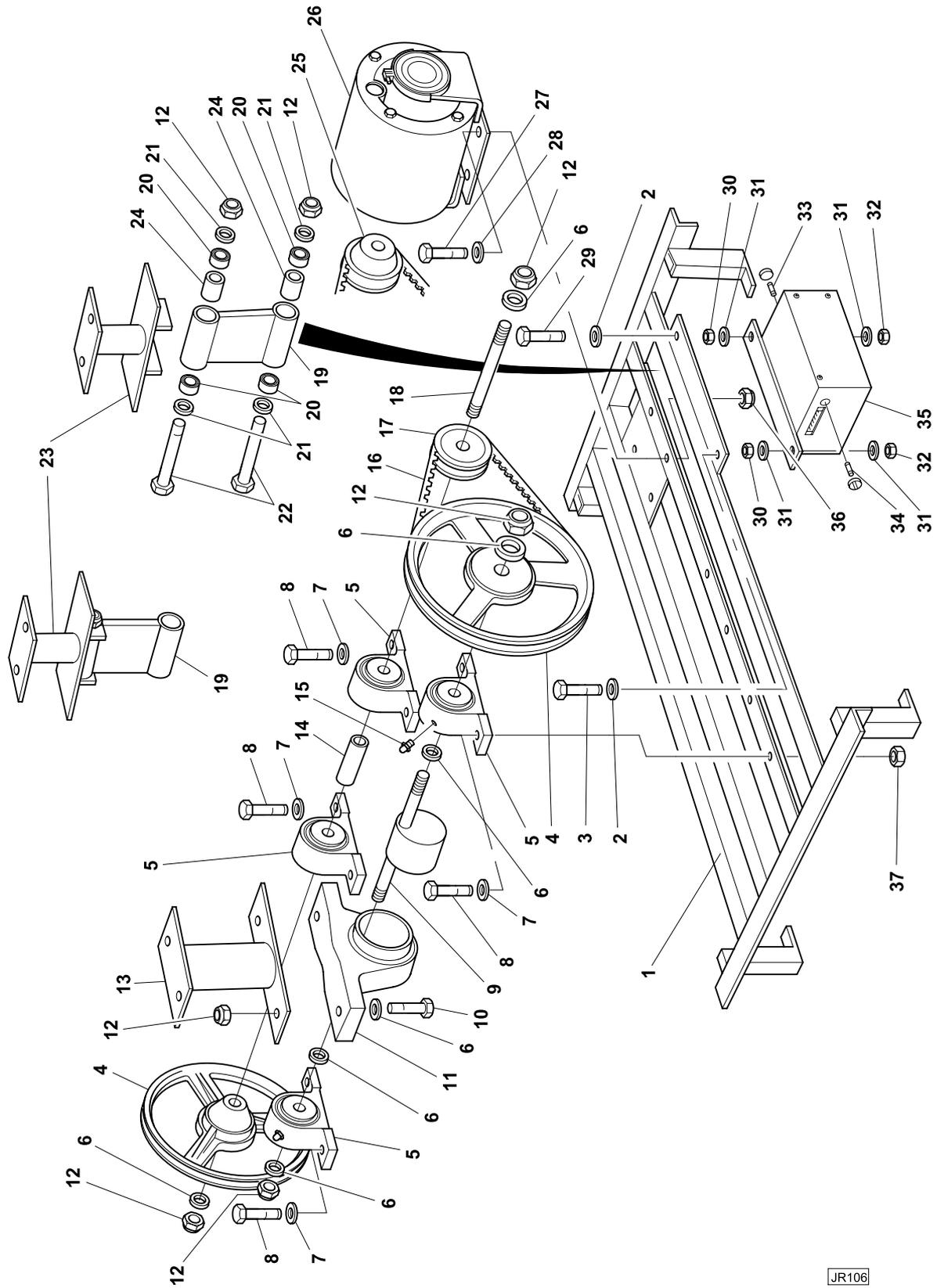
Home: By post, carrier or road transport.

Overseas: By sea freight, airmail or air freight.
4. Keep orders separate from other correspondence.
5. Foreign orders must be sent through our accredited agent, an established London House, or accompanied by a remittance.
6. Replacement parts which are not of genuine Jolly Roger supply, cannot be relied upon to be to the correct specification, material or workmanship. Jolly Roger therefore cannot be expected to extend their Warranty to Kiddies Rides which have been fitted with parts which Jolly Roger has not supplied.
7. Jolly Roger reserve the right to make changes or improvements in the construction or specification of their products at any time.

Conditions of Business

1. Particulars given in this list are subject to withdrawal and alteration without notice.
2. All quotations are subject to confirmation before acceptance of order.
3. All goods are supplied on the conditions that Jolly Roger shall not be liable for any direct or consequential damage arising from delay in delivery or from defective material, other than is covered by our usual form of guarantee.
4. Whilst every effort is made to ensure the accuracy of the particulars contained in this book, modifications and specification changes to the Kiddies Ride are on-going. These may affect the information specified. No responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of information in this book not being in accord with modifications or Kiddies Ride specification changes which are subsequent to the date of this book. Also, no responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of any misinterpretation of the information specified in this parts book.

JOLLY ROGER AMUSEMENT RIDES



JR106

Fig 5 Chassis assembly

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Parts list - Chassis assembly

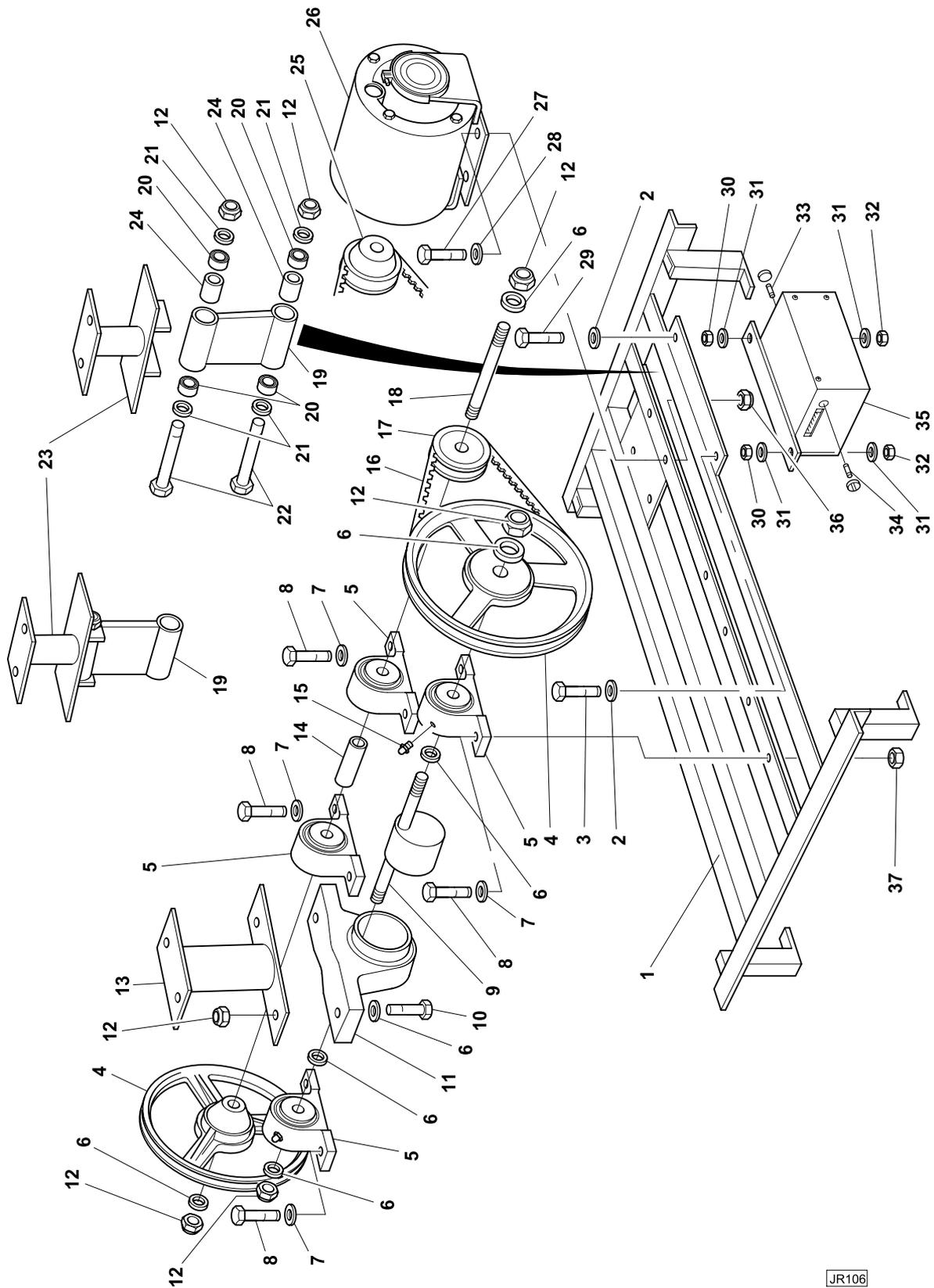
† Item not illustrated

Item No	Part No	Description	QTY
-	3000011	Chassis assembly, comprising:	-
1	3100002	Chassis	1
2	7600000	Washer, M6	2
3	7000203	Bolt, cap head, hexagon socket, M6 x 25	1
4	8000000	Pulley, 224 SPA x 12 mm x 1A	2
5	6000000	Housing, bearing assembly, NP12	4
6	7600300	Washer, M12	10
7	7600200	Washer, M10	8
8	7000604	Bolt, M10 x 35	8
9	8200000	Camshaft	1
10	7000707	Bolt, M12 x 50	2
11	6000001	Housing, bearing assembly, SL40	1
12	7700300	Nut, M12, Nyloc	6
13	3200002	Arm, top, front	1
14	9000003	Spacer, 89 mm long	1
15	9100000	Nipple, grease	5
16	8100000	Belt, vee, A 33 (A 870)	2
17	8000002	Pulley, 43 SPA x 12 mm x 1A	1
18	8210000	Countershaft	1
19	3200001	Arm, pivot	2
20	6100000	Bearing, 6001 ZZ	8
21	9050000	Shim, M12	8
22	7000900	Bolt, precision, M12 x 110	4
23	3200003	Arm, top, rear	2
24	9000002	Spacer, 60 mm long	4
25	8000001	Pulley, 43 SPA x 1/2 in x 1A	1

Cont.

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES



JR106

Fig 5 Chassis assembly (Continued)

JOLLY ROGER AMUSEMENT RIDES

Parts list - Chassis assembly

† Item not illustrated

Item No	Part No	Description	QTY
Cont.			
-	3000011	Chassis assembly, comprising:	-
26	2000001	Motor, 220/240 volts 50 Hz	1
-	2000000	Motor, 110 volts 60 Hz (alternative)	1
27	7000503	Bolt, M8 x 25	4
28	7600100	Washer, M8	4
29	7000204	Bolt, cap head, hexagon socket, M6 x 30	8
30	7700001	Nut, M6	2
31	7600001	Washer, M6 x 25 dia	6
32	7700000	Nut, M6, nyloc	2
33	2400006	Fuse, output, 12 volt T5A	1
34	2400004	Fuse main, T3.15A	1
-	2400007	Fuse main, T6.3A (alternative for 110-120V 60Hz)	1
35	2100011	Power supply unit	1
36	7700100	Nut, M8, Nyloc	4
37	7700200	Nut, M10, Nyloc	8
-	† 5120001	Castor, 2 inch	2
-	† 1110047	Bottom cover moulding	1
-	† 7000503	Bolt, hexagon head M8 x 25 c/w washers and nut	4
-	† 2200003	Mains lead	1

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES

Parts list - Coin collection assembly (System 4000)

† Item not illustrated

Item No	Part No	Description	QTY
-	4000006	Coin collection assembly comprising:	-
1	4100020	Housing	1
2	4100001	Cash box	1
3	4100021	Door	1
4	9300006	Lock complete with keys	2
5	2520008	Switch, pushbutton, round, START, green	1
-	† 2920008	Bulb, 2.2 watt, wedge	1
6	2520010	Microswitch	1
7	2500000	Microswitch, coin acceptor	1
8	4200008	Coin acceptor	1
9	9300004	Lock complete with keys	1
10	4200009	Plate, coin acceptor	1
11	2100009	Counter, coin impulse (fitted internally)	1
12	2520009	Switch, pushbutton, round, PRESS, red	1
-	† 2920008	Bulb, 2.2 watt wedge	1
-	† 2520010	Microswitch	1
13	4200005	Coin acceptor, electronic assembly (optional) comprising:	1
-	† 4200006	Mechanism, electronic coin acceptor	1
-	† 4200007	Wiring loom, electronic coin acceptor	1
14	7200000	Screw, cap head, M4 x 20	4
15	2100012	Timer, System 4000	1
14	2100013	Nut, timer	2
-	† 2600000	Loudspeaker	1

Note: Refer to manufacturer when ordering items from this list.

JOLLY ROGER AMUSEMENT RIDES

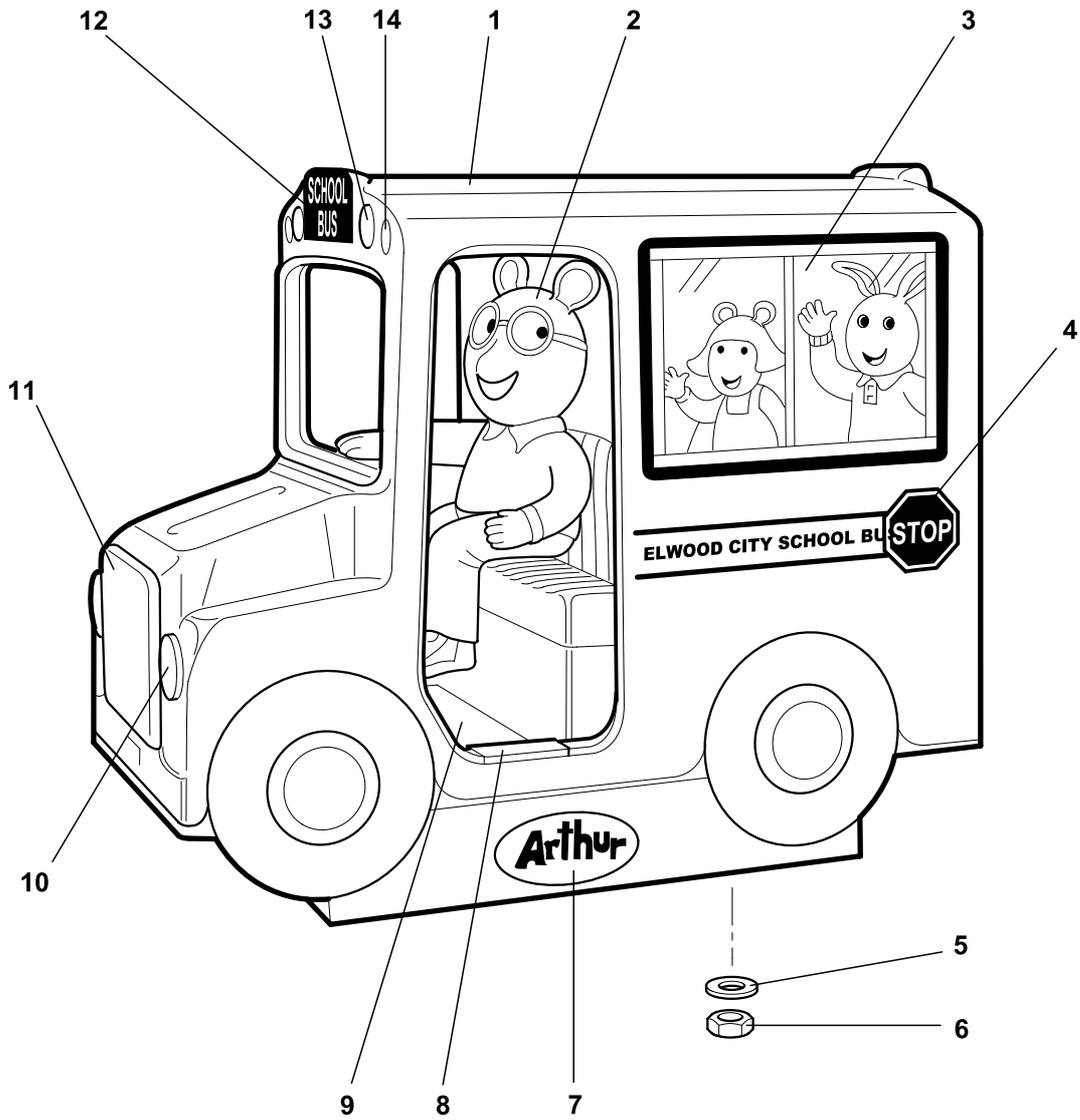


Fig 7 Arthur Body Shell Assembly

JOLLY ROGER AMUSEMENT RIDES

Parts list - Arthur body shell assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	1080064	Body shell assembly, comprising:	-
1	1100064	Moulding, body	1
2	1110070	Moulding, Arthur	1
3	1700043	Decal, side window LH	1
-	1700044	Decal, side window RH	
4	1700045	Decal, Elwood City School Bus, LH	1
-	1700046	Decal, Elwood City School Bus, RH	1
5	7600200	Washer, M10	6
6	7700200	Nut, M10, Nyloc	6
7	1700063	Decal Set, Arthur	1
8	1300001	Step, edge, 6 inch	2
9	1300069	Plate, foot tread	1
10	2900004	Lamp, type B	2
-	† 2920002	Bulb, 12 volt, 5 watt, scc	AR
11	1110037	Moulding, grille	1
-	† 7300006	Screw, cap head, hexagon socket	4
-	† 7600000	Washer, M6	4
-	† 7600001	Washer, M6 x 25mm dia.	4
-	† 7700000	Nut, M6, Nyloc	4
12	1700041	Decal Set, School Bus	1
13	1600007	Reflector, round, white	2
14	1600006	Reflector, round, amber	2
-	† 1600002	Reflector, amber	2
-	† 1600003	Reflector, red	2
-	† 5300001	Steering wheel, small	2
-	† 3600005	Bracket, steering wheel	2
-	† 7000715	Bolt, M12 x 90	2
-	† 7700302	Nut, M12 special	2

Note: For coin acceptor and cash box details see coin collection assembly parts list

Note: Refer to manufacturer when ordering items from this list

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JOLLY ROGER AMUSEMENT RIDES

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with the BACTA Industry Standard, the HSE Fairgrounds and Amusement Parks A Code of Safe practice, the Health and Safety at Work Act 1974. (All applicable in the United Kingdom).

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with United States Standard ANSI/UL22 and Canadian C.S.A. Standard C22.2 No. 68.92 and in particular have carried out tests for Earth bonding and dielectric strength. The rides have also been tested and comply with requirements of FCC Part 15, Class A.

THIS CERTIFICATE DOES NOT EXONERATE THE OPERATOR FROM REGULAR CHECKING AND MAINTENANCE OF THE MACHINE TO WHICH IT APPLIES.

Jolly Roger (Amusement Rides) Ltd.
College View Works,
Manby Road,
Grimoldby, Louth,
Lincolnshire,
England. LN11 8HE

Telephone (01507) 328856 Telefax (01507) 327060

E-mail: sales@jolly-roger.co.uk

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Jolly Roger (Amusement Rides) Ltd.

College View Works,
Manby Road,
Grimoldby,
Louth,
Lincolnshire,
England. LN11 8HE

Telephone: + 44 (0)1507 328856
Fax: + 44 (0)1507 327060
E-mail: sales@jolly-roger.co.uk

EC DECLARATION OF CONFORMITY (Revised 1st January 1997 and 1st September 2002)

Manufacturer: As above

Details of Electrical Equipment

Type No.: 2

Description: Coin-operated Childrens Ride

Directives this equipment complies with: Electrical Equipment (Safety) Regulations 1994, SI No3260 (Regulation 5. (1)).
Electromagnetic Compatibility Directive 89/336/EEC
Low voltage directive 72/23/EEC (article 2) as amended by 93/68/EEC.

Harmonised standards applied in order to verify compliance with Directives: EN 50081-1:1992
EN 50082-1:1992
EN 60335-1:1994 inc. AMDS A11, A1, A12, A13, A14, A2, A15 and A16 - Safety of Household and Similar Electrical Appliance.
EN 55014-1: 1993 EN61000-3-2:1995 + A1: 1998 + A2: 1998
EN 61000-3-3: 1995 EN55014-2: 1997 Category 2
EN 60335-2-82: 2000 - Particular Requirements for Service Machines and Amusement Machines

Test Reported Issued by:	Notified / Competent Body	Report No.
D.J.Taylor	Intertek Testing Services	EM01005623 (A)
J.A.Bearpark	Inchcape Testing Services (U.K.) Ltd.	EM207110 Part A
T.Heathcote	Rowland Laboratories Ltd.	20584
A.Cuthbert	Intertek Testing Service	02007267/A

Year in which CE mark was affixed: 1996/7

Authorised Signatory:

Manufacturer



Date of Issue

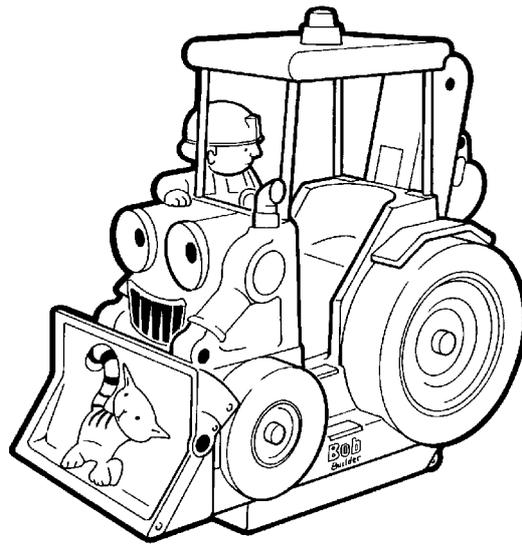
1st January 1997

Name: R.J.Newborough
Position: Managing Director

Place of Issue
Grimoldby, England

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BOB THE BUILDER (SCOOP) HANDBOOK

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and Keith Chapman 1998

System 4000

JR043

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JOLLY ROGER (Amusement Rides) Ltd reserves the right to make changes, for the purpose of product improvement, at any time.

Jolly Roger (Amusement Rides) Ltd. College View Works, Manby Road, Grimoldby, Louth, Lincolnshire, England. LN11 8HE.

Telephone: + 44 (0) 1507 328856

Fax: + 44 (0) 1507 327060

E-mail: sales@jolly-roger.co.uk

This handbook was prepared for Jolly Roger (Amusement Rides) Ltd
by
Bowne Global Solutions Ltd.,
Cophall Terrace,
Coventry,
United Kingdom
CV1 2FP

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

INTRODUCTION

Thank you for purchasing your new Kiddie Ride from Jolly Roger (Amusement Rides) Limited and we trust it will give many years of trouble-free profitable service.

Whilst this booklet has been produced primarily with our United Kingdom and European customers in mind, it will certainly be of benefit to other users worldwide.

Reference is made to the United Kingdom Health and Safety at Work Act - Code of Safe Practice at Fairs (which specifically includes coin operated Children's Rides), the Industry Standard for the construction, operation and use of coin-operated Children's Rides, and the EC Declaration of Conformity (CE Mark).

The Rides comply with United Kingdom and European Community regulations, and are ETL listed to comply with US Standard UL 22 covering Amusement Games and Canadian standard C22.2 No 68 covering motor operated appliances.

The rides are designed for intermittent use and the maximum anticipated duty cycle is 30 operations per hour.

The guidance given in this publication is relevant to the safe operation of children's rides wherever they may be operated.

WARNINGS & CAUTIONS

The international safety sign is used throughout this Handbook where specific safety precautions are detailed. The sign is positioned so that the precautions are readily identifiable.

WARNING

INTERNATIONAL SAFETY SIGN



WARNINGS

Warnings call attention to instructions, which must be followed precisely to avoid injury or death.

CAUTIONS

Cautions call attention to instructions, which must be followed precisely to avoid damaging the equipment.

JOLLY ROGER AMUSEMENT RIDES

HEALTH AND SAFETY - CODE OF SAFE PRACTICE AT FAIRS - INDUSTRY STANDARDS

(UNITED KINGDOM)

- 1.1 Our equipment has been manufactured to the highest standard of construction and safety in order to conform to the H.S.E. Fairground and Amusement Parks, A Code of Safe Practice and the U.K. Health and Safety at Work Act 1974.
- 1.2 This machine must be earthed. (CONNECTED TO GROUND)
- 1.3 If a 13 Amp BS1363 plug is fitted then a 5 amp fuse should be fitted. (UK only)
- 1.4 If the ride is to be situated outdoors, the socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a residual current circuit breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.
- 1.5 In addition to our manufacturer's test and the daily checks every ride shall be subject to a Thorough Examination by an appointed person once every period of 14 months. (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). The regulation applies in the UK only, however it is sound operating practice wherever a ride is operated.
- 1.6 The appointed person need not be independent, but should be at least 21 years old, registered under the Amusement Device Inspection Procedures Scheme (ADIPS) and be competent by such qualifications, knowledge, experience and supporting services to be able to make an assessment of the safety of the ride, including any associated equipment/parts e.g. electrical, hydraulic or pneumatic.
- 1.7 The appointed person should have the technical competence to recognise the significance of the effects of stresses, loadings and fatigue and also be competent to determine the extent of permissible wear.
- 1.8 The Thorough Examination is to be carried out by a registered body in accordance with the regulations laid down in the Health and Safety at Work Act 1974 (Fairgrounds and Amusements Parks-Guidance on Safe Practice, HSG 175). A Report of Inspection is to be completed after the Thorough Examination. (Applicable in UK only).
- 1.9 On completion of the Thorough Examination, a Declaration of Operational Compliance (DOC) certificate is to be issued which must be retained for a period of ten years and be available for inspection by the Health and Safety Inspectorate and/or the appropriate officer of the Environmental Health Department of a Local authority. (Applicable in UK only).

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



- 1.10 If considered necessary, further protection to the power supply may be afforded by conduit, trunking, or rubber protector strip with tapered edges and non-slip ribbed bases. Care is needed to avoid a tripping hazard.
- 1.11 The Kiddie Rides should be so sited that the length of cable between the ride and socket outlet is a minimum. For floor mounted socket outlets, the ride may be positioned so that there is virtually no exposed cable.
- 1.12 Galvanised steel braided armoured cable and flexible copper braided cable cannot be satisfactorily terminated in a 13 amp standard (BS 1363) plug. Such cables can be terminated in industrial type plugs BS 196 or BS 4343 or equivalent, but these require the special suitable sockets. (Applicable in UK only).

JOLLY ROGER AMUSEMENT RIDES

INSTALLATION

Siting

WARNING



IT IS NOT RECOMMENDED THAT THE RIDE BE SITED ON A PLINTH, PLATFORM OR ANY FORM OF MATTING. DOING THIS WILL INCREASE THE HEIGHT OF THE RIDE FROM THE GROUND AND MAY CAUSE INJURY FROM FALLING OR TRIPPING.

2.1 A common sense approach should be adopted when siting Kiddie Rides. The following items are an indication, but not exhaustive:

2.1.1 Position the Ride on a level surface.

2.1.2 Ensure there is adequate clearance all round the Ride to minimise the risk of injury to the passengers or public. If possible, a 1 metre clearance around the ride is recommended.

2.1.3 **DO NOT** obstruct emergency exits.

2.1.4 **DO NOT** obstruct fire appliances, hydrants etc.

2.1.5 If sited outside:

The socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a Residual Current Circuit Breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 millisecons.

DO NOT operate in adverse weather conditions.

NOTE

This ride is considered suitable for outdoor protected locations i.e. under a canopy, or cover and not in a position where the ride could be exposed to direct rain or snow, or other adverse weather conditions.

2.1.6 **DO NOT** locate the ride directly against the plug, which should remain accessible at all times

2.1.7 The ride is not suitable for installation or operation in an area where a water jet could be used

CAUTION

For safety reasons the electrical wiring is colour coded as follows:



2.1.8 For rides with 220-240 volt electrical supply, the wiring colour codes are:

Brown - live
Green/Yellow-earth
Blue – neutral.

2.1.9 For rides with 110-120 volt electrical supply, the wiring colour codes are:

Black - live
Green - earth
White – neutral.

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

INSTALLATION

Site d'installation

ATTENTION  **IL N'EST PAS RECOMMANDE DE CONDUIRE SUR UNE PENTE, RAMPE OU AUTRE AFIN DE NE PAS ELEVER LA HAUTEUR DU VEHICULE ET NE PAS CAUSER DE BLESSURES EN RAISON DE RENVERSEMENT OU D'ACCROCHAGE.**

2.1 Faites appel à votre bon sens quand vous choisissez le site d'installation des manèges pour enfants. Les points suivants sont donnés à titre indicatif mais ne sont pas exhaustifs:

2.1.1 Placer le manège sur une surface nivelée.

2.1.2 S'assurer qu'il y a suffisamment d'espace tout autour du manège pour minimiser le risque de blessures pouvant être causées aux passagers ou au public. Si c'est possible, il est conseillé de laisser 1 mètre d'espace tout autour du manège.

2.1.3 **NE PAS** obstruer les sorties de secours.

2.1.4 **NE PAS** obstruer les bouches d'incendie et la voie de passage des voitures de pompiers.

2.1.5 Si le manège est situé à l'extérieur:

La fiche d'alimentation secteur devrait être branchée avec une prise mâle résistant aux intempéries et protégée en permanence par un disjoncteur de courant résiduel ou un disjoncteur différentiel ayant un taux de déclenchement ne dépassant pas 30 milliampères en 30 milli-secondes.

NE PAS faire fonctionner cette machine lors d'intempéries.

NOTE

On considère que ce manège est adapté à des endroits en plein air abrités, par exemple sous un toit, ou un abri et placé de sorte que le manège ne soit pas exposé directement à la pluie ou à la neige ou à d'autres intempéries.

2.1.6 **NE PAS** installer le manège directement contre la prise; cette dernière devrait toujours être accessible.

2.1.7 Il n'est pas convenable d'installer ou de faire marcher le manège dans un endroit où l'on pourrait utiliser des jets d'eau.

AVERTISSEMENT



Pour des raisons de sécurité, le circuit électrique est repéré par couleurs comme indiqué ci-dessous:

2.1.8. Pour les manèges alimentés en 220-240 volt, le circuit électrique est le suivant:

Marron : phase
Vert/Jaune : terre
Bleu : neutre.

2.1.9 Pour les manèges alimentés en 110-120 volt, le circuit électrique est le suivant:

Noir : phase
Vert : terre
Blanc : neutre.

ATTENTION



TOUJOURS DEBRANCHER LA MACHINE DE L'ALIMENTATION SECTEUR AVANT D'EFFECTUER TOUTE REPARATION OU TOUTE VERIFICATION.

JOLLY ROGER AMUSEMENT RIDES

OPERATION

General

3.1 A coin-operated Kiddie Ride should not be used unless a D.O.C. has been provided, indicating that the device is safe to operate (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). This regulation applies in the UK only.

JOLLY ROGER AMUSEMENT RIDES

MAINTENANCE

GENERAL

4.1 The rides do not require any periodic maintenance but, they should be checked regularly to ensure that they are in a safe condition for operation by the general public. In the unlikely event of the need to make adjustments or repairs to the machine, the following procedures are recommended.

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS OR COIN MECHANISMS.



Control unit

4.2 The control unit, which operates at 12 volts, is located at the back of the coin acceptor compartment. To remove/refit the control unit proceed as follows:

4.2.1 Remove the coin acceptor (para 4.3 or 4.4).

4.2.2 Remove the two thumb nuts located at each end of the unit.

4.2.3 The control unit may now be removed by pulling it forwards and withdrawing it through the coin acceptor aperture in the cash box assembly.

4.2.4 The mode of operation may now be altered by referring to the basic configuration, as printed on its enclosure, or by referring to the advanced configuration referred to at para 4.7.

4.2.5 Refit the unit by positioning it on the two locator bolts and gently pushing it back into place, ensuring that the plugs and sockets connect to each other.

4.2.6 Refit the two thumb nuts to ensure a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

Coin acceptor (mechanical)

4.3 To remove/refit the coin acceptor proceed as follows:

4.3.1 Remove the coin acceptor by turning the lock situated on the faceplate - the coin acceptor can now be removed from the machine and the wires pulled off the coin acceptor microswitch if desired.

NOTE

Ensure that the wires are reconnected on the correct terminals (C and NO).

4.3.2 To remove litter from the coin acceptor, slide off the spring clip on the top of the mechanism and remove side plate, then remove any litter or obstruction.

4.3.3 Refit the coin acceptor in reverse order to removal, ensuring that the pins on the main coin acceptor body locate in the dimples on the side plate.

4.3.4 Adjusting screws for coin diameter and thickness are also located on the side plate, these are factory set and should not normally require alteration.

JOLLY ROGER AMUSEMENT RIDES

Coin acceptor (electronic) MARS

4.4 To remove/refit the coin acceptor proceed as follows:

4.4.1 Remove the coin acceptor by turning the lock situated on the faceplate and disconnect the cable plug from the printed circuit board on the mechanism - the coin acceptor can now be removed from the machine.

4.4.2 To remove litter from the coin acceptor, pull the hinged side plate sideways and remove any litter or obstruction. Release hinged side plate.

4.4.3 Refit the coin acceptor in reverse order to removal, ensuring that the cable plug is reconnected to the printed circuit board on the mechanism.

WARNING NEVER REMOVE OR REPLACE AN ELECTRONIC MECHANISM WITH THE POWER SUPPLY SWITCHED ON.



Electronic coin mechanism MARS - switch positions

4.5 To inhibit coins:

With machine switched on:

4.5.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = ON.

4.5.2 Press reject button within 20 seconds of setting slide switches.

4.5.3 Insert all coins to be inhibited.

4.5.4 Press reject button within 20 seconds of inserting coins. Inhibited coins should now be rejected.

4.6 To re-enable inhibited coins:

With machine switched on:

4.6.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = OFF.

4.6.2 Press reject button within 20 seconds of setting slide switches.

4.6.3 Insert all coins to be re-enabled.

4.6.4 Press reject button within 20 seconds of inserting coins. Previously inhibited coins should now be accepted.

NOTE

Mechanism must be powered up before changing switch positions. Switch positions must be moved prior to attempting either of the above.

JOLLY ROGER AMUSEMENT RIDES

Stamar “Plug n Play” Kiddie Ride Controller Credit Programming Instructions

4.7 The “Plug n Play” Timer Unit can now be programmed “on-site” for any Credit functions as shown by the following instructions. This facility is incorporated on all software from JR TDv4 onwards

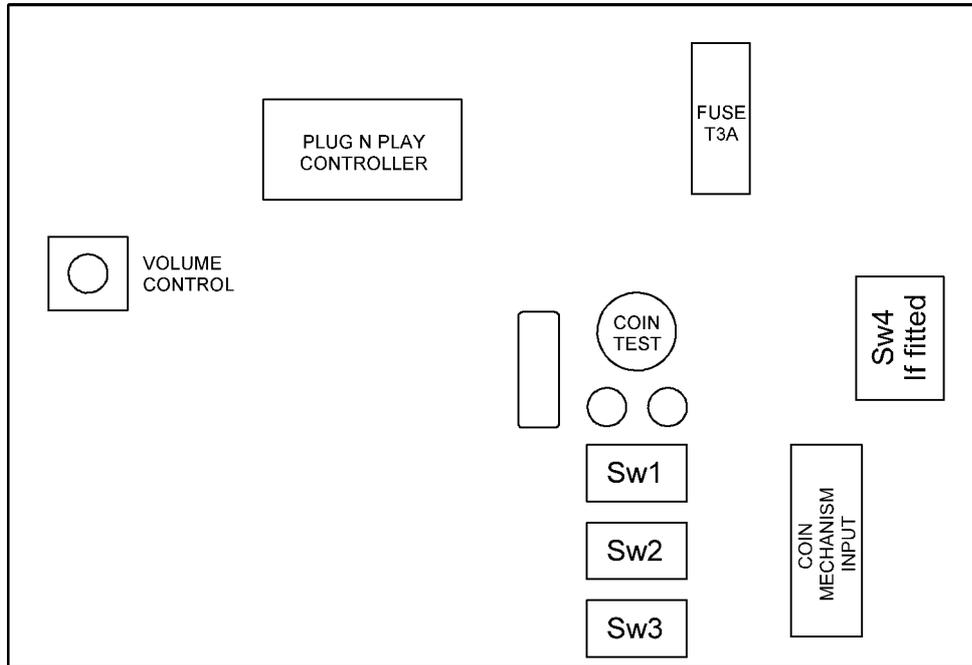


Fig 1 Programmable Control Unit

JR423

Credit Programming sequence

1. Turn Ride OFF
2. Make a note of the current SW1 settings
3. Set ALL SW1 switches to the OFF position
4. Turn the Ride ON
5. Enter coins to the value of the first Credit value
6. Press the Ride Start Switch for the number of rides required for this credit value
7. Insert coins for the next credit value required
8. Press the Ride Start Switch for the next number of rides required
9. Repeat this process until ALL credit values have been entered
10. Now PRESS and HOLD the Ride Start Switch until the voice prompt announces that the programming is completed, approximately 4-5 seconds
11. Turn the Ride OFF
12. Set ALL SW1 switches to the ON position
13. The new Credit Program is now installed
14. If at any time during the process, you wish to cancel the programming function, simply turn the Ride OFF and re-set the original SW1 positions. This will restore the previous credit program

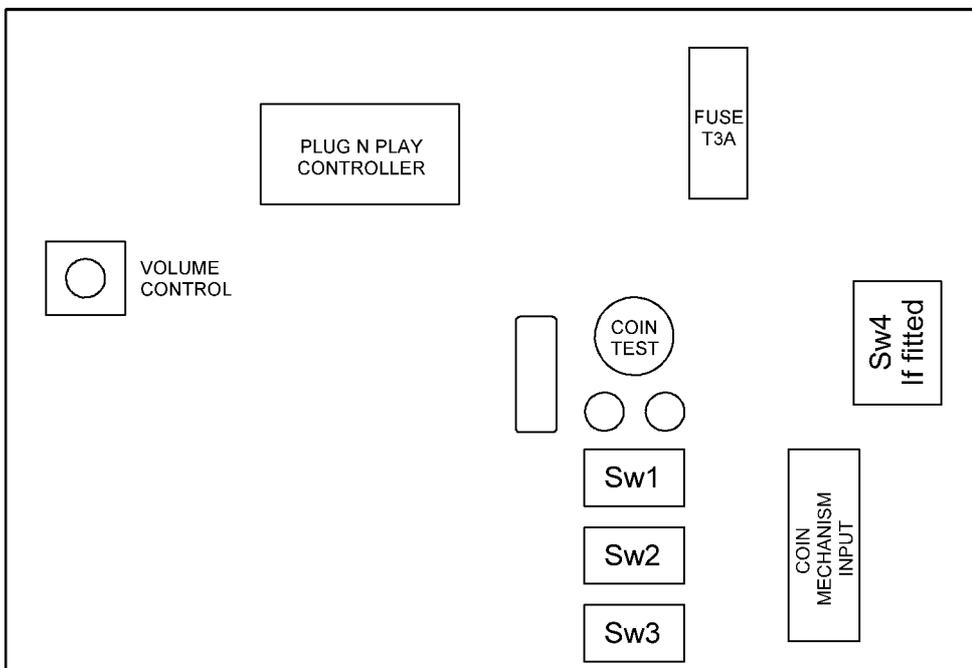
JOLLY ROGER AMUSEMENT RIDES

Stamar “Plug n Play” Kiddie Ride Controller Configuration Instructions

4.8 The new “Plug n Play” programmable control unit has four externally accessible DIL switches, SW1, SW2, SW3 and SW4, which are used to select the most popular modes of operation.

NOTES

1. It is advisable to remove the control unit from the ride as this will assist viewing the switches and referring to these instructions. The control unit can be easily “unplugged” from the ride **AFTER POWER TO THE RIDE HAS BEEN SWITCHED OFF** and the two mounting bolts have been removed.
2. All alterations to these switches should only be made after power to the ride has been turned off as this will avoid any unintentional damage to the control unit and/or the ride.



JR423

Fig 1 Programmable Control Unit

JOLLY ROGER AMUSEMENT RIDES

SW1 sets the Price of Play value or Credit Program Options.

4.9 The SW1 switch is used to set price at play value or credit program options.

NOTES

1. The setting for **either** “price of play” **or** “credits” on SW1 as shown below are selected using **SW3/S4** as shown in SW3 settings below.

i.e. SW3/S4 must be set to On if “Price of Play” options are required.

SW3/S4 must be set to Off if “Credit Programs” are required.

2. The **Price of Play** refers to multiples of the **Base Coinage** that the coin mechanism has been programmed to accept:

- UK Mechanism. The mechanism is programmed for a 10p base and gives play values from 10p (min) to £2.00 (max).
- USA Mechanism. The mechanism is programmed for a 25c base and gives play values from 25c (min) to \$3.75 (max).

SW1

S1	S2	S3	S4	Price Of Play Selected	Or	Pre - Programmed Credit Options Available
on	off	off	off	1 Coin	Or	30 P 1 RIDE 50 P 2 RIDES £1 5 RIDES
off	on	off	off	2 Coin	Or	20 P 1 RIDE 50 P 3 RIDES
on	on	off	off	3 Coin	Or	40 P 1 RIDE £1 3 RIDES
off	off	on	off	4 Coin	Or	50 P 1 RIDE £1 £2 3 RIDES 6 RIDES
on	off	on	off	5 Coin	Or	60 P 1 RIDE £1 £2 2 RIDES 5 RIDES
off	on	on	off	6 Coin	Or	10 P 1 RIDE 30 P 4 RIDES
on	on	on	off	7 Coin	Or	£1 1 RIDE £2 3 RIDES
off	off	off	on	8 Coin	Or	£2 1 RIDE
on	off	off	on	9 Coin	Or	20 P 1 RIDE 40 P 3 RIDES
off	on	off	on	10 Coin	Or	10 P 1 RIDE 20 P 3 RIDES Available on JRTDv3 software onwards 01/05/2001
on	on	off	on	11 Coin	Or	60p 1 RIDE £1 £2 2 RIDES 4 RIDES Available on JRTDv4 software onwards 01/05/2002
off	off	on	on	12 Coin	Or	70p 1 RIDE £1 £2 2 RIDES 4 RIDES
on	off	on	on	13 Coin	Or	
off	on	on	on	14 Coin	Or	Free Play For Exhibition Or Test Use
on	on	on	on	15 Coin	Or	Programmable By User
off	off	off	off	User on site Programming Mode		Available on JRTDv4 software onwards

JOLLY ROGER AMUSEMENT RIDES

Ride time

4.10 SW2 is used to set the ride time. The ride time can be set from 30 seconds to 120 seconds in 15 second increments or to run for as long as the main background soundtrack.

SW2

Ride Time	S1	S2	S3	S4
30 secs	off	off	off	OFF
45 secs	on	off	off	OFF
60 secs	off	on	off	OFF
75 secs	on	on	off	OFF
90 secs	off	off	on	OFF
105 secs	on	off	on	OFF
120 secs	off	on	on	OFF
Ride time set to soundtrack	on	on	on	OFF

NOTE

S4 is used for a diagnostic test sequence during manufacture and under normal operating conditions is not used and must be set to the **OFF** position.

Additional ride features

4.11 SW3 selects additional ride features.

SW3

	S1	S2	S3	S4
Prompt phrases On/Off	On/Off	x	x	x
Attract sounds On/Off	x	On/Off	x	x
Count no. of Rides	x	x	On	x
Count No. of Coins (coin mech. Base coin value)	x	x	Off	x
Select <i>Price of Play</i> options	x	x	x	On
Select <i>Credit Program</i> options	x	x	x	Off

JOLLY ROGER AMUSEMENT RIDES

Ride flasher options

4.12 SW4 selects the ride flasher options (if fitted).

SW4

	S1	S2	S3	S4
1 Channel flasher output	Off	Off	x	OFF
2 Channel running flasher outputs	On	Off	x	OFF
3 Channel running flasher outputs	Off	On	x	OFF
4 Channel running flasher outputs	On	On	x	OFF
Standard flasher speed	x	x	Off	OFF
Fast flasher speed	x	x	On	OFF

NOTE

S4 is used to select "Program Mode" and under normal operating conditions is not to be used and must be set to the **OFF** position. "Program Mode" should only be used by experienced operators familiar with the extended programming sequence, or under direct instruction from Jolly Roger (Amusement Rides) Ltd., or Stamar Electronics.

Volume adjustment

4.13 Access to the volume control knob is gained by removing the coin mechanism (para 4.3 or 4.4) and is adjusted by turning the control knob on the timer which is located on the back wall of the compartment.

Access to other components

4.14 Access to the Power supply unit (PSU), main fuses and other components on the chassis is gained by removing the bottom cover (para 4.22).

Drive belt adjustment

4.15 The "final drive" belt is adjusted by loosening the four bolts holding the camshaft bearings and sliding the whole assembly to adjust.

NOTE

This belt should run tight.

4.16 The "countershaft" belt is adjusted by loosening the four bolts holding the motor and sliding the motor to adjust.

NOTE

This belt should run quite loose.

4.17 Both belts are correctly tensioned during manufacture and should not require adjustment.

Bearings

4.18 All bearings are greased for life and should normally not be re-packed with grease. However, in certain circumstances the bearings may require lubrication. If this situation arises, apply grease sparingly.

JOLLY ROGER AMUSEMENT RIDES

Fuses

4.19 Fuses are located in the side of the PSU. Never replace fuses with a higher value than recommended.

Body and other mouldings

4.20 Clean with damp cloth rinsed out in soapy water, do not hose down or flood the machine. Alternatively, a proprietary household furniture cleaner may be used.

Removal of body shell

NOTE

Refer to Figure 7 in Spare Parts section for item numbers.

4.21 To remove the body shell

4.21.1 Remove the six nuts (Fig 7 item 5) and washers (Fig 7 item 4) situated under the body shell, which attach the body to the chassis.

4.21.2 Disconnect the electrical wiring underneath the body shell by undoing the plug and socket connector.

4.21.3 Remove body shell.

Removal of bottom cover

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



4.22 To remove the bottom cover proceed as follows

CAUTION Care is to be taken when carrying out step 4.22.1



4.22.1 Turn ride on to its side.

4.22.2 Remove the four hexagon retaining screws that secure the bottom cover.

4.22.3 Refit in reverse order to the removal.

Daily checks

4.23 A check of each coin-operated Kiddie Ride should, whenever reasonably practical, be carried out each day before it is made available for the public. The following checks are recommended: -

4.23.1 Check that the mains plug is undamaged and securely attached to the mains cable.

4.23.2 Check that the mains cable is undamaged.

4.23.3 Check that there are no broken or damaged parts of the ride that may cause injury.

4.23.4 Check that all guards are in place thus preventing any access to the mechanism.

4.23.5 Apply pressure to the ride to ensure that it is firmly secured to the base stem and check that all advisory literature is in place.

JOLLY ROGER AMUSEMENT RIDES

4.23.6 Ensure the area around the ride is free from obstruction and that persons passing by are not in any danger.

4.23.7 The ride should be kept clean and free from any customised additions unless approved by the manufacturer.

4.24 If as a result of the above visual checks any doubt arises, then the company, supplier or person responsible for the ride should be notified immediately.

Motor

The motor is fitted with a manual re-set thermal overload cut-out device in accordance with UL requirements.

4.25 When the motor does not operate, check if the thermal overload cut-out device has operated and re-set as follows:

CAUTION When the thermal overload cut-out device has operated, investigate and correct the fault before the ride is returned to use.



4.25.1 Disconnect the machine from the electrical power supply

4.25.2 Remove the bottom cover from the machine (para 4.22).

4.24.3 Re-set the thermal overload cut-out button on the motor backplate.

4.25.4 Refit the bottom cover to the machine (para 4.22).

4.25.5 Connect the electrical power and test the ride.

JOLLY ROGER AMUSEMENT RIDES

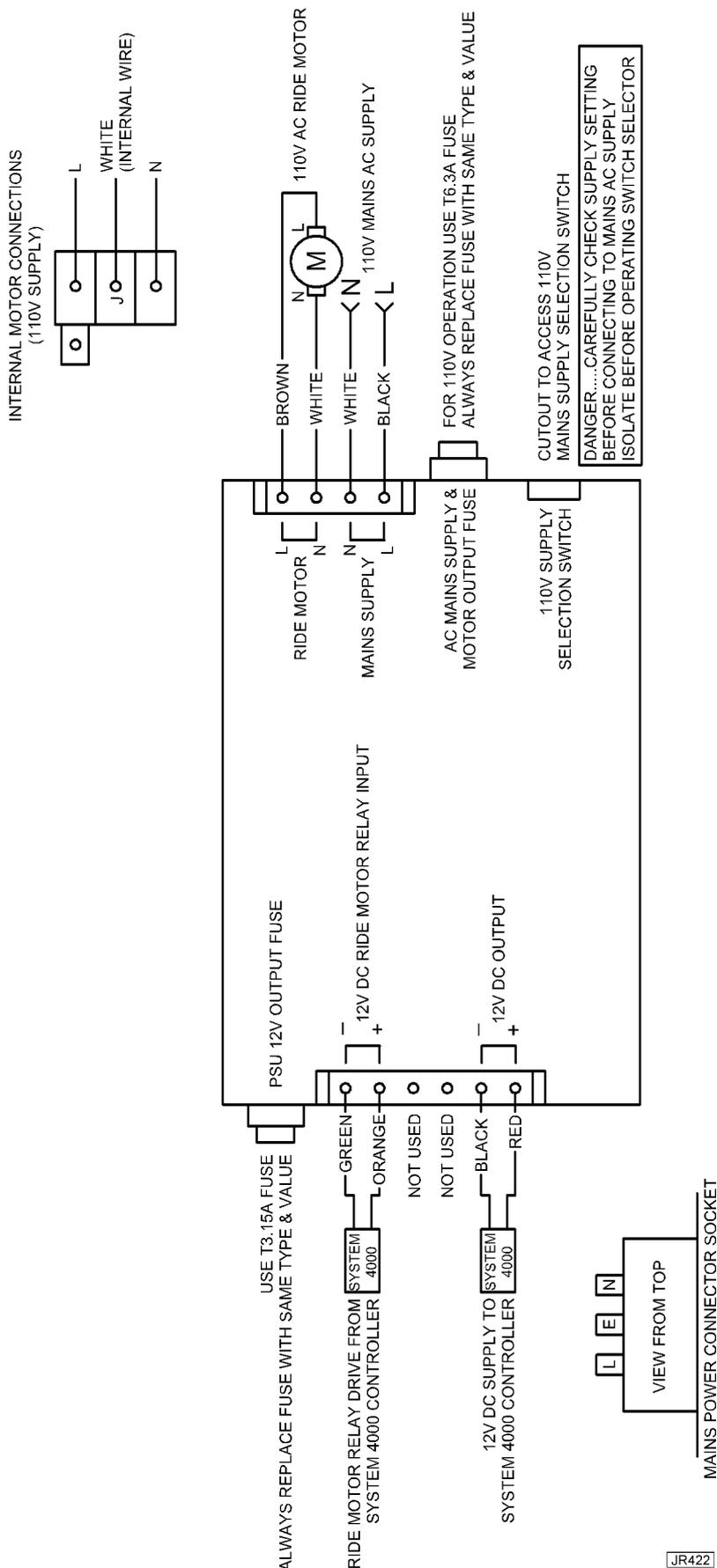
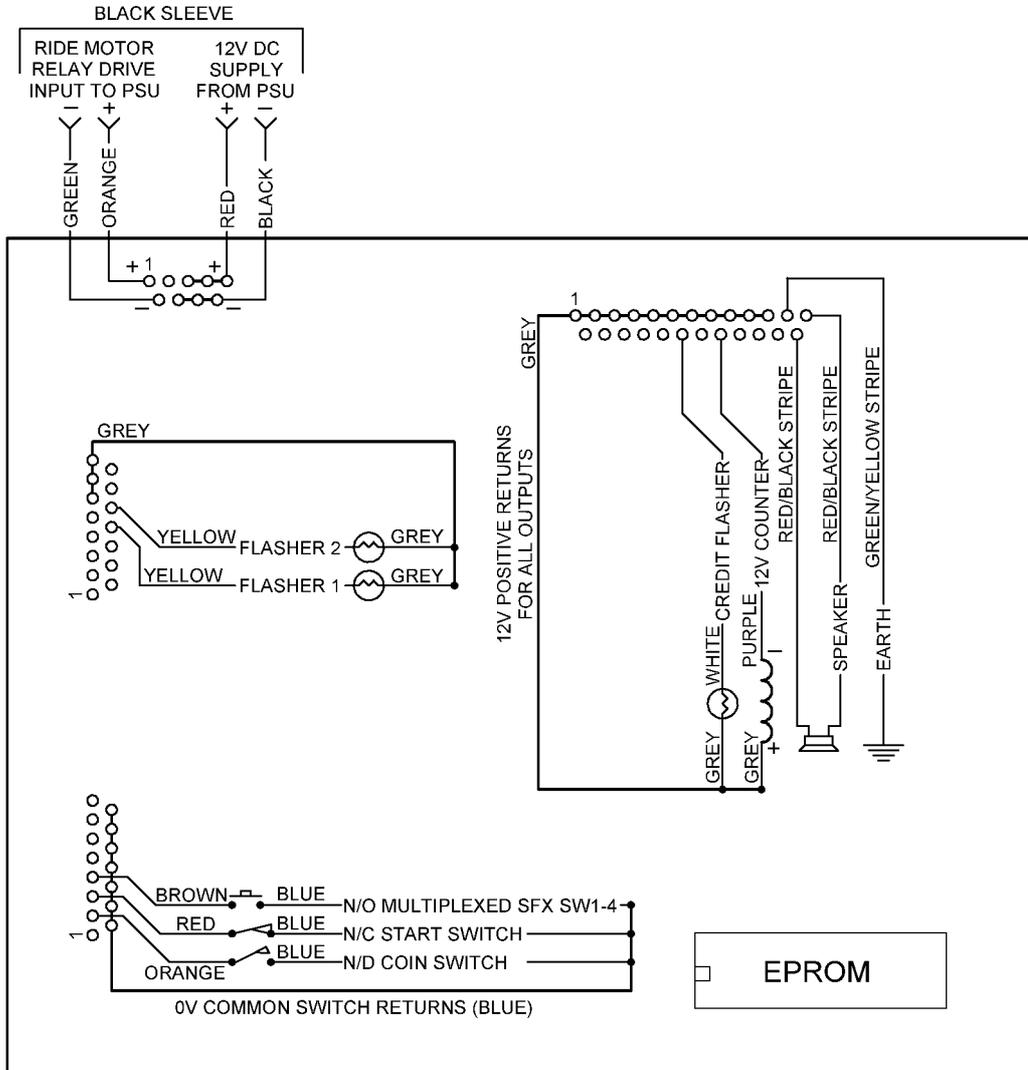


Fig 3 Wiring diagram (rides with the 110 Volts supply) - (System 4000)

JOLLY ROGER AMUSEMENT RIDES



JR420

Fig 4 Wiring diagram cash box - Base to body loom connector (System 4000)

JOLLY ROGER AMUSEMENT RIDES

SPARE PARTS

1. The machine serial number (if given) on the reference plate must always be quoted.
2. Quote the full part number and description as set out in the list.
3. State precisely how parts are to be despatched.

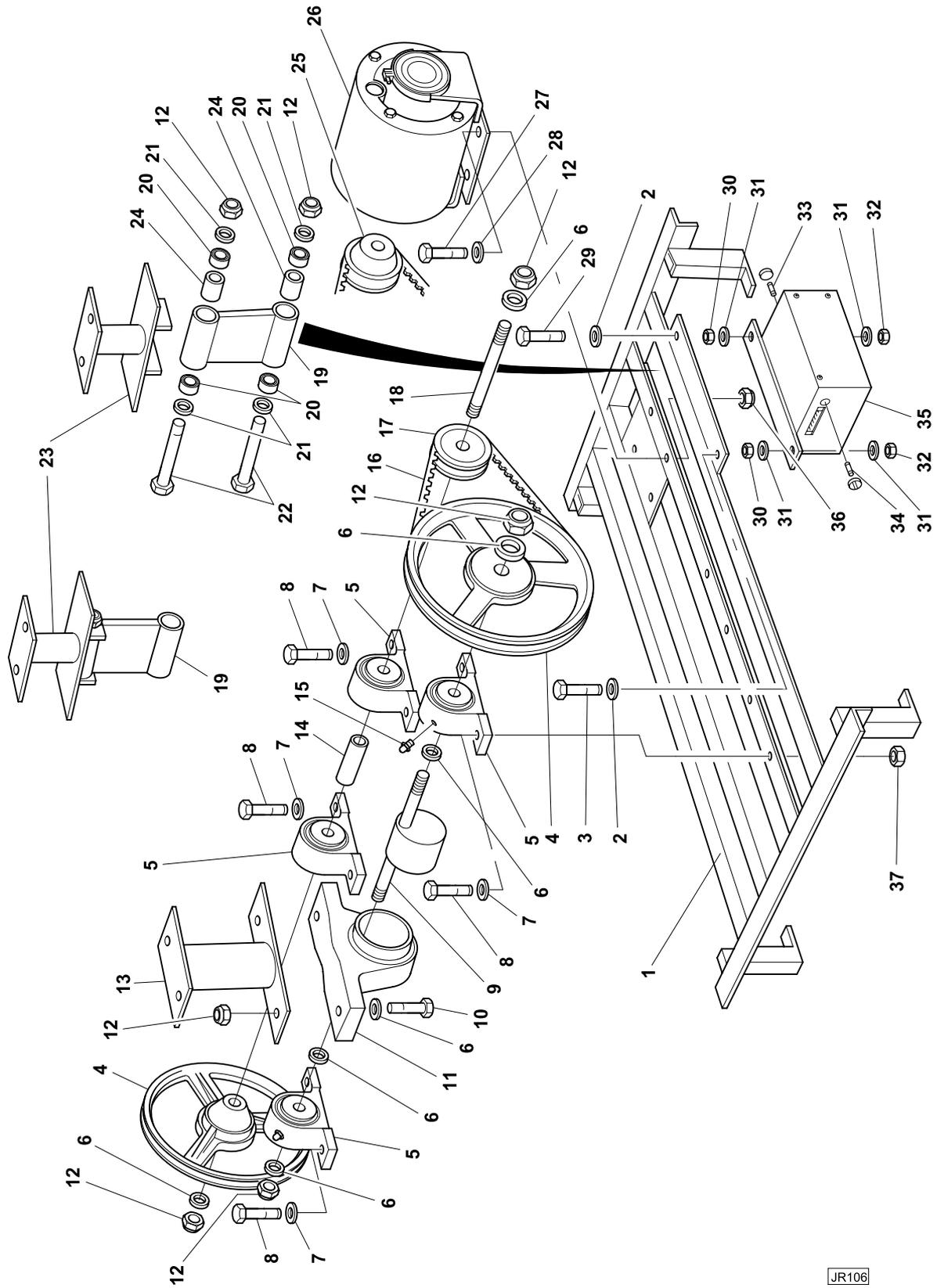
Home: By post, carrier or road transport.

Overseas: By sea freight, airmail or air freight.
4. Keep orders separate from other correspondence.
5. Foreign orders must be sent through our accredited agent, an established London House, or accompanied by a remittance.
6. Replacement parts which are not of genuine Jolly Roger supply, cannot be relied upon to be to the correct specification, material or workmanship. Jolly Roger therefore cannot be expected to extend their Warranty to Kiddies Rides which have been fitted with parts which Jolly Roger has not supplied.
7. Jolly Roger reserve the right to make changes or improvements in the construction or specification of their products at any time.

Conditions of Business

1. Particulars given in this list are subject to withdrawal and alteration without notice.
2. All quotations are subject to confirmation before acceptance of order.
3. All goods are supplied on the conditions that Jolly Roger shall not be liable for any direct or consequential damage arising from delay in delivery or from defective material, other than is covered by our usual form of guarantee.
4. Whilst every effort is made to ensure the accuracy of the particulars contained in this book, modifications and specification changes to the Kiddies Ride are on-going. These may affect the information specified. No responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of information in this book not being in accord with modifications or Kiddies Ride specification changes which are subsequent to the date of this book. Also, no responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of any misinterpretation of the information specified in this parts book.

JOLLY ROGER AMUSEMENT RIDES



JR106

Fig 5 Chassis assembly

JOLLY ROGER AMUSEMENT RIDES

Parts list - Chassis assembly

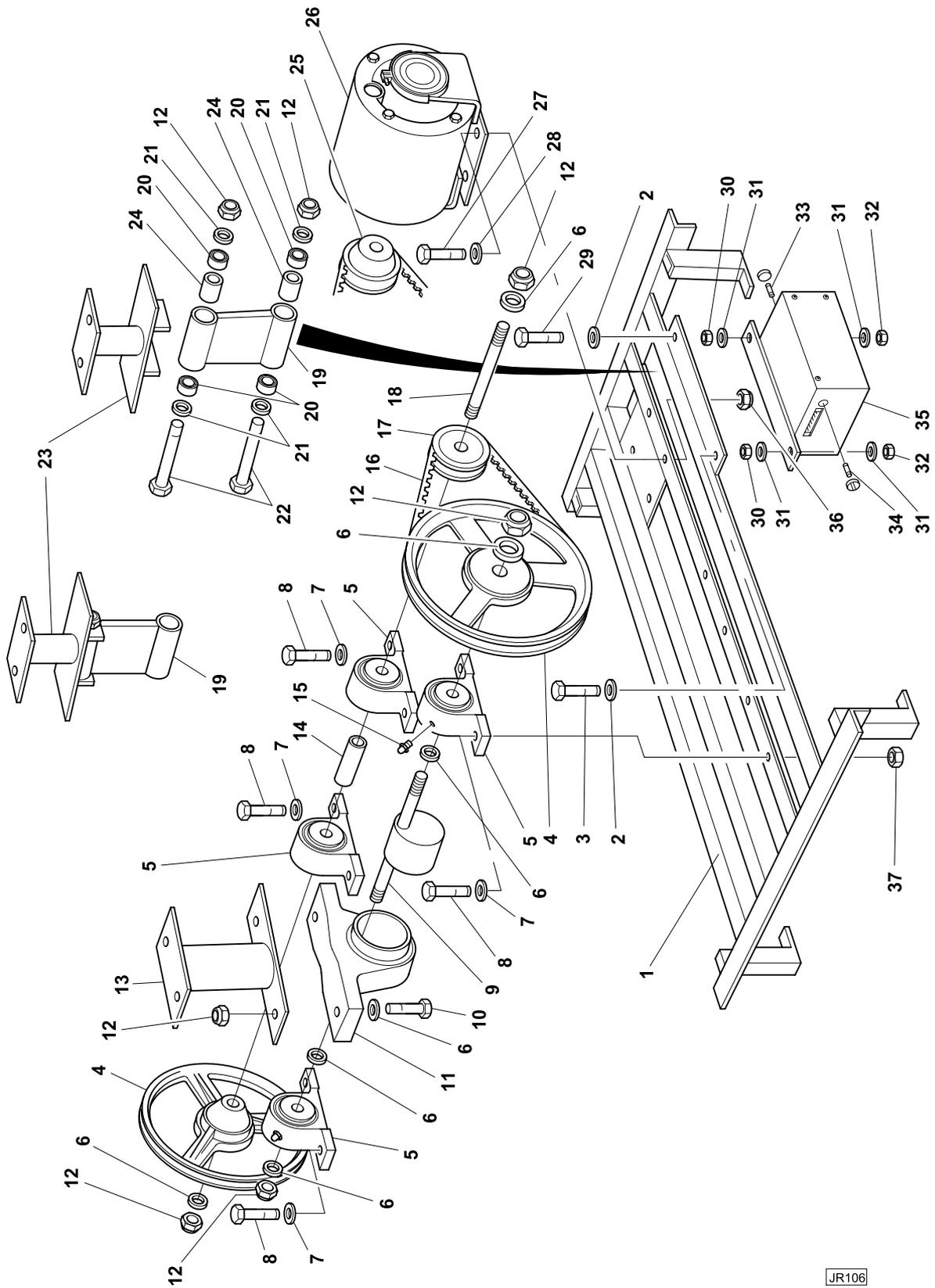
† Item not illustrated

Item No	Part No	Description	QTY
-	3000011	Chassis assembly, comprising:	-
1	3100002	Chassis	1
2	7600000	Washer, M6	2
3	7000203	Bolt, cap head, hexagon socket, M6 x 25	1
4	8000000	Pulley, 224 SPA x 12 mm x 1A	2
5	6000000	Housing, bearing assembly, NP12	4
6	7600300	Washer, M12	10
7	7600200	Washer, M10	8
8	7000604	Bolt, M10 x 35	8
9	8200000	Camshaft	1
10	7000707	Bolt, M12 x 50	2
11	6000001	Housing, bearing assembly, SL40	1
12	7700300	Nut, M12, Nyloc	6
13	3200002	Arm, top, front	1
14	9000003	Spacer, 89 mm long	1
15	9100000	Nipple, grease	5
16	8100000	Belt, vee, A 33 (A 870)	2
17	8000002	Pulley, 43 SPA x 12 mm x 1A	1
18	8210000	Countershaft	1
19	3200001	Arm, pivot	2
20	6100000	Bearing, 6001 ZZ	8
21	9050000	Shim, M12	8
22	7000900	Bolt, precision, M12 x 110	4
23	3200003	Arm, top, rear	2
24	9000002	Spacer, 60 mm long	4
25	8000001	Pulley, 43 SPA x 1/2 in x 1A	1

Cont.

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES



JR106

Fig 5 Chassis assembly (Continued)

JOLLY ROGER AMUSEMENT RIDES

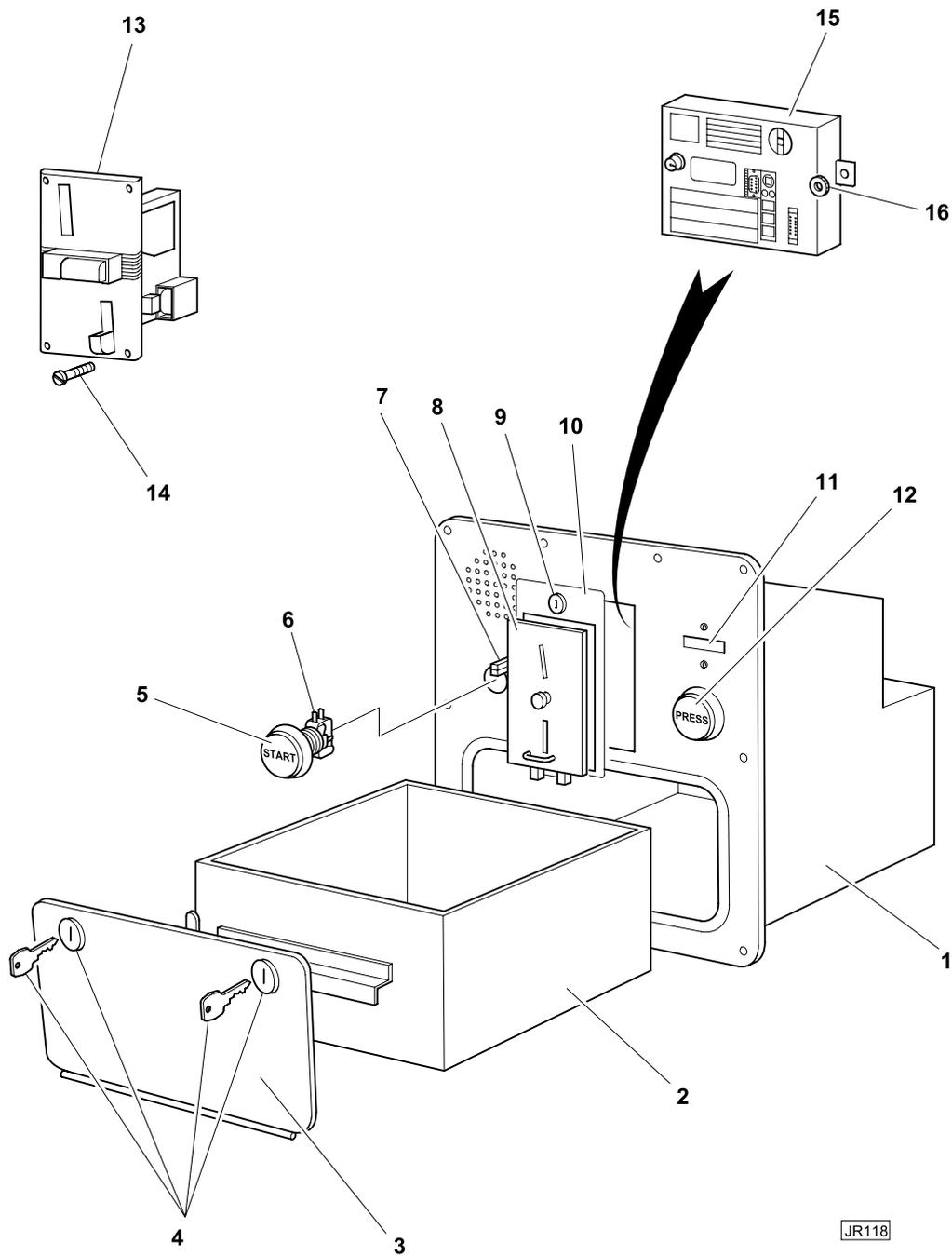
Parts list - Chassis assembly

† Item not illustrated

Item No	Part No	Description	QTY
Cont.			
-	3000011	Chassis assembly, comprising:	-
26	2000001	Motor, 220/240 volts 50 Hz	1
-	2000000	Motor, 110 volts 60 Hz (alternative)	1
27	7000503	Bolt, M8 x 25	4
28	7600100	Washer, M8	4
29	7000204	Bolt, cap head, hexagon socket, M6 x 30	8
30	7700001	Nut, M6	2
31	7600001	Washer, M6 x 25 dia	6
32	7700000	Nut, M6, nyloc	2
33	2400006	Fuse, output, 12 volt T5A	1
34	2400004	Fuse main, T3.15A	1
-	2400007	Fuse main, T6.3A (alternative for 110-120V 60Hz)	1
35	2100011	Power supply unit	1
36	7700100	Nut, M8, Nyloc	4
37	7700200	Nut, M10, Nyloc	8
-	† 5120001	Castor, 2 inch	2
-	† 1110047	Bottom cover moulding	1
-	† 7000503	Bolt, hexagon head M8 x 25 c/w washers and nut	4
-	† 2200003	Mains lead	1

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES



JR118

Fig 6 Coin collection assembly (System 4000)

JOLLY ROGER AMUSEMENT RIDES

Parts list - Coin collection assembly (System 4000)

† Item not illustrated

Item No	Part No	Description	QTY
-	4000006	Coin collection assembly comprising:	-
1	4100020	Housing	1
2	4100001	Cash box	1
3	4100021	Door	1
4	9300006	Lock complete with keys	2
5	2520008	Switch, pushbutton, round, START, green	1
-	† 2920008	Bulb, 2.2 watt, wedge	1
6	2520010	Microswitch	1
7	2500000	Microswitch, coin acceptor	1
8	4200008	Coin acceptor	1
9	9300004	Lock complete with keys	1
10	4200009	Plate, coin acceptor	1
11	2100009	Counter, coin impulse (fitted internally)	1
12	2520009	Switch, pushbutton, round, PRESS, red	1
-	† 2920008	Bulb, 2.2 watt wedge	1
-	† 2520010	Microswitch	1
13	4200005	Coin acceptor, electronic assembly (optional) comprising:	1
-	† 4200006	Mechanism, electronic coin acceptor	1
-	† 4200007	Wiring loom, electronic coin acceptor	1
14	7200000	Screw, cap head, M4 x 20	4
15	2100012	Timer, System 4000	1
14	2100013	Nut, timer	2
-	† 2600000	Loudspeaker	1

Note: Refer to manufacturer when ordering items from this list.

JOLLY ROGER AMUSEMENT RIDES

Parts list - Bob The Builder (Scoop) Body Shell Assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	1080052	Body shell assembly, comprising:	
1	1100052	Moulding, body	1
2	1300001	Step, edge, 6 inch	2
3	1700052	Decal set	1
4	7600200	Washer, M10	6
5	7700200	Nut, M19, Nyloc	6
6	1700053	Decal, disc, black	4
7	1110055	Moulding, exhaust	1
8	1110056	Moulding, figure	1
9	3300017	Frame, cab roof	1
10	1110057	Moulding, cab roof	1
11	2900016	Lamp, type E, amber	1
	† 2900515	Lens, type E, amber	1
-	† 2920007	Bulb, 12 volt, 5 watt, dbc	AR
	† 1200002	Handle, small	1
	† 5300001	Steering wheel, small	1
-	† 3600005	Bracket, steering wheel (modified)	1
-	† 7000715	Bolt, M12 x 90	1
-	† 7700302	Nut, M12 special	1

Note: For coin acceptor and cash box details see coin collection assembly parts list

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES

THIS PAGE NOT USED

JOLLY ROGER AMUSEMENT RIDES

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with the BACTA Industry Standard, the HSE Fairgrounds and Amusement Parks A Code of Safe practice, the Health and Safety at Work Act 1974. (All applicable in the United Kingdom).

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with United States Standard ANSI/UL22 and Canadian C.S.A. Standard C22.2 No. 68.92 and in particular have carried out tests for Earth bonding and dielectric strength. The rides have also been tested and comply with requirements of FCC Part 15, Class A.

THIS CERTIFICATE DOES NOT EXONERATE THE OPERATOR FROM REGULAR CHECKING AND MAINTENANCE OF THE MACHINE TO WHICH IT APPLIES.

Jolly Roger (Amusement Rides) Ltd.
College View Works,
Manby Road,
Grimoldby, Louth,
Lincolnshire,
England. LN11 8HE

Telephone (01507) 328856 Telefax (01507) 327060

E-mail: sales@jolly-roger.co.uk

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

Jolly Roger (Amusement Rides) Ltd.

College View Works,
Manby Road,
Grimoldby,
Louth,
Lincolnshire,
England. LN11 8HE

Telephone: + 44 (0)1507 328856
Fax: + 44 (0)1507 327060
E-mail: sales@jolly-roger.co.uk

EC DECLARATION OF CONFORMITY (Revised 1st January 1997 and 1st September 2002)

Manufacturer: As above

Details of Electrical Equipment

Type No.: 2

Description: Coin-operated Childrens Ride

Directives this equipment complies with: Electrical Equipment (Safety) Regulations 1994, SI No3260 (Regulation 5. (1)).
Electromagnetic Compatability Directive 89/336/EEC
Low voltage directive 72/23/EEC (article 2) as amended by 93/68/EEC.

Harmonised standards applied in order to verify compliance with Directives: EN 50081-1:1992
EN 50082-1:1992
EN 60335-1:1994 inc. AMDS A11, A1, A12, A13, A14, A2, A15 and A16 - Safety of Household and Similar Electrical Appliance.
EN 55014-1: 1993 EN61000-3-2:1995 + A1: 1998 + A2: 1998
EN 61000-3-3: 1995 EN55014-2: 1997 Category 2
EN 60335-2-82: 2000 - Particular Requirements for Service Machines and Amusement Machines

Test Reported Issued by:	Notified / Competent Body	Report No.
D.J.Taylor	Intertek Testing Services	EM01005623 (A)
J.A.Bearpark	Inchcape Testing Services (U.K.) Ltd.	EM207110 Part A
T.Heathcote	Rowland Laboratories Ltd.	20584
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Manufacturer



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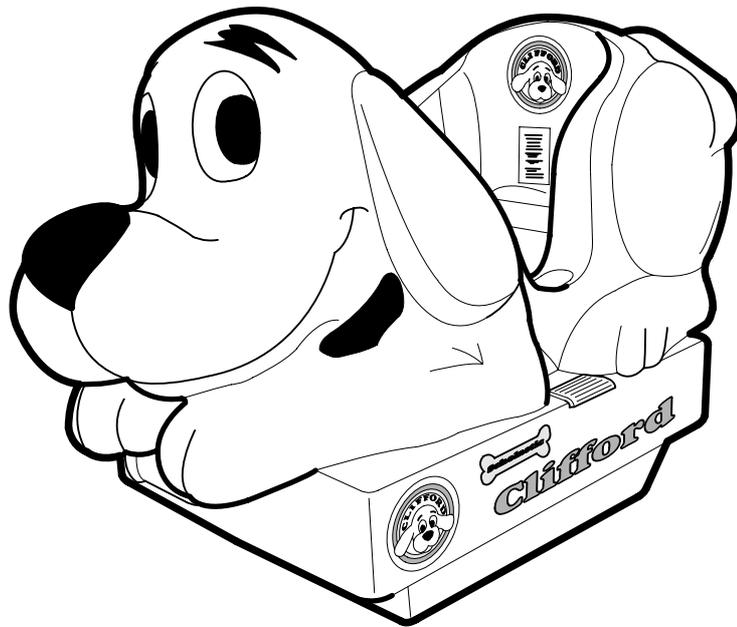
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Name: R.J.Newborough
Position: Managing Director

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JOLLY ROGER AMUSEMENT RIDES

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HANDBOOK

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JR052

System 4000

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Jolly Roger (Amusement Rides) Ltd. College View Works, Manby Road, Grimoldby, Louth, Lincolnshire, England. LN11 8HE.

Telephone: + 44 (0) 1507 328856

Fax: + 44 (0) 1507 327060

E-mail: sales@jolly-roger.co.uk

This handbook was prepared for Jolly Roger (Amusement Rides) Ltd
by
Bowne Global Solutions Ltd.,
Cophall Terrace,
Coventry,
CV1 2FP

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

INTRODUCTION

Thank you for purchasing your new Kiddie Ride from Jolly Roger (Amusement Rides) Limited and we trust it will give many years of trouble-free profitable service.

Whilst this booklet has been produced primarily with our United Kingdom and European customers in mind, it will certainly be of benefit to other users worldwide.

Reference is made to the United Kingdom Health and Safety at Work Act - Code of Safe Practice at Fairs (which specifically includes coin operated Children's Rides), the Industry Standard for the construction, operation and use of coin-operated Children's Rides, and the EC Declaration of Conformity (CE Mark).

The Rides comply with United Kingdom and European Community regulations, and are ETL listed to comply with US Standard UL 22 covering Amusement Games and Canadian standard C22.2 No 68 covering motor operated appliances.

The rides are designed for intermittent use and the maximum anticipated duty cycle is 30 operations per hour.

The guidance given in this publication is relevant to the safe operation of children's rides wherever they may be operated.

WARNINGS & CAUTIONS

The international safety sign is used throughout this Handbook where specific safety precautions are detailed. The sign is positioned so that the precautions are readily identifiable.

WARNING

INTERNATIONAL SAFETY SIGN



WARNINGS

Warnings call attention to instructions, which must be followed precisely to avoid injury or death.

CAUTIONS

Cautions call attention to instructions, which must be followed precisely to avoid damaging the equipment.

JOLLY ROGER AMUSEMENT RIDES

HEALTH AND SAFETY - CODE OF SAFE PRACTICE AT FAIRS - INDUSTRY STANDARDS

(UNITED KINGDOM)

- 1.1 Our equipment has been manufactured to the highest standard of construction and safety in order to conform to the H.S.E. Fairground and Amusement Parks, A Code of Safe Practice and the U.K. Health and Safety at Work Act 1974.
- 1.2 This machine must be earthed. (CONNECTED TO GROUND)
- 1.3 If a 13 Amp BS1363 plug is fitted then a 5 amp fuse should be fitted. (UK only)
- 1.4 If the ride is to be situated outdoors, the socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a residual current circuit breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 millisecs.
- 1.5 In addition to our manufacturer's test and the daily checks every ride shall be subject to a Thorough Examination by an appointed person once every period of 14 months. (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). The regulation applies in the UK only, however it is sound operating practice wherever a ride is operated.
- 1.6 The appointed person need not be independent, but should be at least 21 years old, registered under the Amusement Device Inspection Procedures Scheme (ADIPS) and be competent by such qualifications, knowledge, experience and supporting services to be able to make an assessment of the safety of the ride, including any associated equipment/parts e.g. electrical, hydraulic or pneumatic.
- 1.7 The appointed person should have the technical competence to recognise the significance of the effects of stresses, loadings and fatigue and also be competent to determine the extent of permissible wear.
- 1.8 The Thorough Examination is to be carried out by a registered body in accordance with the regulations laid down in the Health and Safety at Work Act 1974 (Fairgrounds and Amusements Parks-Guidance on Safe Practice, HSG 175). A Report of Inspection is to be completed after the Thorough Examination. (Applicable in UK only).
- 1.9 On completion of the Thorough Examination, a Declaration of Operational Compliance (DOC) certificate is to be issued which must be retained for a period of ten years and be available for inspection by the Health and Safety Inspectorate and/or the appropriate officer of the Environmental Health Department of a Local authority. (Applicable in UK only).

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



- 1.10 If considered necessary, further protection to the power supply may be afforded by conduit, trunking, or rubber protector strip with tapered edges and non-slip ribbed bases. Care is needed to avoid a tripping hazard.
- 1.11 The Kiddie Rides should be so sited that the length of cable between the ride and socket outlet is a minimum. For floor mounted socket outlets, the ride may be positioned so that there is virtually no exposed cable.
- 1.12 Galvanised steel braided armoured cable and flexible copper braided cable cannot be satisfactorily terminated in a 13 amp standard (BS 1363) plug. Such cables can be terminated in industrial type plugs BS 196 or BS 4343 or equivalent, but these require the special suitable sockets. (Applicable in UK only).

JOLLY ROGER AMUSEMENT RIDES

INSTALLATION

Siting

WARNING



IT IS NOT RECOMMENDED THAT THE RIDE BE SITED ON A PLINTH, PLATFORM OR ANY FORM OF MATTING. DOING THIS WILL INCREASE THE HEIGHT OF THE RIDE FROM THE GROUND AND MAY CAUSE INJURY FROM FALLING OR TRIPPING.

2.1 A common sense approach should be adopted when siting Kiddie Rides. The following items are an indication, but not exhaustive:

2.1.1 Position the Ride on a level surface.

2.1.2 Ensure there is adequate clearance all round the Ride to minimise the risk of injury to the passengers or public. If possible, a 1 metre clearance around the ride is recommended.

2.1.3 **DO NOT** obstruct emergency exits.

2.1.4 **DO NOT** obstruct fire appliances, hydrants etc.

2.1.5 If sited outside:

The socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a Residual Current Circuit Breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.

DO NOT operate in adverse weather conditions.

NOTE

This ride is considered suitable for outdoor protected locations i.e. under a canopy, or cover and not in a position where the ride could be exposed to direct rain or snow, or other adverse weather conditions.

2.1.6 **DO NOT** locate the ride directly against the plug, which should remain accessible at all times

2.1.7 The ride is not suitable for installation or operation in an area where a water jet could be used

CAUTION



For safety reasons the electrical wiring is colour coded as follows:

2.1.8 For rides with 220-240 volt electrical supply, the wiring colour codes are:

Brown - live
Green/Yellow-earth
Blue – neutral.

2.1.9 For rides with 110-120 volt electrical supply, the wiring colour codes are:

Black - live
Green - earth
White – neutral.

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

INSTALLATION

Site d'installation

ATTENTION  **IL N'EST PAS RECOMMANDE DE CONDUIRE SUR UNE PENTE, RAMPE OU AUTRE AFIN DE NE PAS ELEVER LA HAUTEUR DU VEHICULE ET NE PAS CAUSER DE BLESSURES EN RAISON DE RENVERSEMENT OU D'ACCROCHAGE.**

2.1 Faites appel à votre bon sens quand vous choisissez le site d'installation des manèges pour enfants. Les points suivants sont donnés à titre indicatif mais ne sont pas exhaustifs:

2.1.1 Placer le manège sur une surface nivelée.

2.1.2 S'assurer qu'il y a suffisamment d'espace tout autour du manège pour minimiser le risque de blessures pouvant être causées aux passagers ou au public. Si c'est possible, il est conseillé de laisser 1 mètre d'espace tout autour du manège.

2.1.3 **NE PAS** obstruer les sorties de secours.

2.1.4 **NE PAS** obstruer les bouches d'incendie et la voie de passage des voitures de pompiers.

2.1.5 Si le manège est situé à l'extérieur:

La fiche d'alimentation secteur devrait être branchée avec une prise mâle résistant aux intempéries et protégée en permanence par un disjoncteur de courant résiduel ou un disjoncteur différentiel ayant un taux de déclenchement ne dépassant pas 30 milliampères en 30 milli-secondes.

NE PAS faire fonctionner cette machine lors d'intempéries.

NOTE

On considère que ce manège est adapté à des endroits en plein air abrités, par exemple sous un toit, ou un abri et placé de sorte que le manège ne soit pas exposé directement à la pluie ou à la neige ou à d'autres intempéries.

2.1.6 **NE PAS** installer le manège directement contre la prise; cette dernière devrait toujours être accessible.

2.1.7 Il n'est pas convenable d'installer ou de faire marcher le manège dans un endroit où l'on pourrait utiliser des jets d'eau.

AVERTISSEMENT



Pour des raisons de sécurité, le circuit électrique est repéré par couleurs comme indiqué ci-dessous:

2.1.8. Pour les manèges alimentés en 220-240 volt, le circuit électrique est le suivant:

Marron : phase
Vert/Jaune : terre
Bleu : neutre.

2.1.9 Pour les manèges alimentés en 110-120 volt, le circuit électrique est le suivant:

Noir : phase
Vert : terre
Blanc : neutre.

ATTENTION



TOUJOURS DEBRANCHER LA MACHINE DE L'ALIMENTATION SECTEUR AVANT D'EFFECTUER TOUTE REPARATION OU TOUTE VERIFICATION.

JOLLY ROGER AMUSEMENT RIDES

OPERATION

General

3.1 A coin-operated Kiddie Ride should not be used unless a D.O.C. has been provided, indicating that the device is safe to operate (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). This regulation applies in the UK only.

JOLLY ROGER AMUSEMENT RIDES

MAINTENANCE

GENERAL

4.1 The rides do not require any periodic maintenance but, they should be checked regularly to ensure that they are in a safe condition for operation by the general public. In the unlikely event of the need to make adjustments or repairs to the machine, the following procedures are recommended.

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS OR COIN MECHANISMS.



Control unit

4.2 The control unit, which operates at 12 volts, is located at the back of the coin acceptor compartment. To remove/refit the control unit proceed as follows:

4.2.1 Remove the coin acceptor (para 4.3 or 4.4).

4.2.2 Remove the two thumb nuts located at each end of the unit.

4.2.3 The control unit may now be removed by pulling it forwards and withdrawing it through the coin acceptor aperture in the cash box assembly.

4.2.4 The mode of operation may now be altered by referring to the basic configuration, as printed on its enclosure, or by referring to the advanced configuration referred to at para 4.7.

4.2.5 Refit the unit by positioning it on the two locator bolts and gently pushing it back into place, ensuring that the plugs and sockets connect to each other.

4.2.6 Refit the two thumb nuts to ensure a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

Coin acceptor (mechanical)

4.3 To remove/refit the coin acceptor proceed as follows:

4.3.1 Remove the coin acceptor by turning the lock situated on the faceplate - the coin acceptor can now be removed from the machine and the wires pulled off the coin acceptor microswitch if desired.

NOTE

Ensure that the wires are reconnected on the correct terminals (C and NO).

4.3.2 To remove litter from the coin acceptor, slide off the spring clip on the top of the mechanism and remove side plate, then remove any litter or obstruction.

4.3.3 Refit the coin acceptor in reverse order to removal, ensuring that the pins on the main coin acceptor body locate in the dimples on the side plate.

4.3.4 Adjusting screws for coin diameter and thickness are also located on the side plate, these are factory set and should not normally require alteration.

JOLLY ROGER AMUSEMENT RIDES

Coin acceptor (electronic) MARS

4.4 To remove/refit the coin acceptor proceed as follows:

4.4.1 Remove the coin acceptor by turning the lock situated on the faceplate and disconnect the cable plug from the printed circuit board on the mechanism - the coin acceptor can now be removed from the machine.

4.4.2 To remove litter from the coin acceptor, pull the hinged side plate sideways and remove any litter or obstruction. Release hinged side plate.

4.4.3 Refit the coin acceptor in reverse order to removal, ensuring that the cable plug is reconnected to the printed circuit board on the mechanism.

WARNING NEVER REMOVE OR REPLACE AN ELECTRONIC MECHANISM WITH THE POWER SUPPLY SWITCHED ON.



Electronic coin mechanism MARS - switch positions

4.5 To inhibit coins:

With machine switched on:

4.5.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = ON.

4.5.2 Press reject button within 20 seconds of setting slide switches.

4.5.3 Insert all coins to be inhibited.

4.5.4 Press reject button within 20 seconds of inserting coins. Inhibited coins should now be rejected.

4.6 To re-enable inhibited coins:

With machine switched on:

4.6.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = OFF.

4.6.2 Press reject button within 20 seconds of setting slide switches.

4.6.3 Insert all coins to be re-enabled.

4.6.4 Press reject button within 20 seconds of inserting coins. Previously inhibited coins should now be accepted.

NOTE

Mechanism must be powered up before changing switch positions. Switch positions must be moved prior to attempting either of the above.

JOLLY ROGER AMUSEMENT RIDES

Stamar "Plug n Play" Kiddie Ride Controller Credit Programming Instructions

4.7 The "Plug n Play" Timer Unit can now be programmed "on-site" for any Credit functions as shown by the following instructions. This facility is incorporated on all software from JR TDv4 onwards

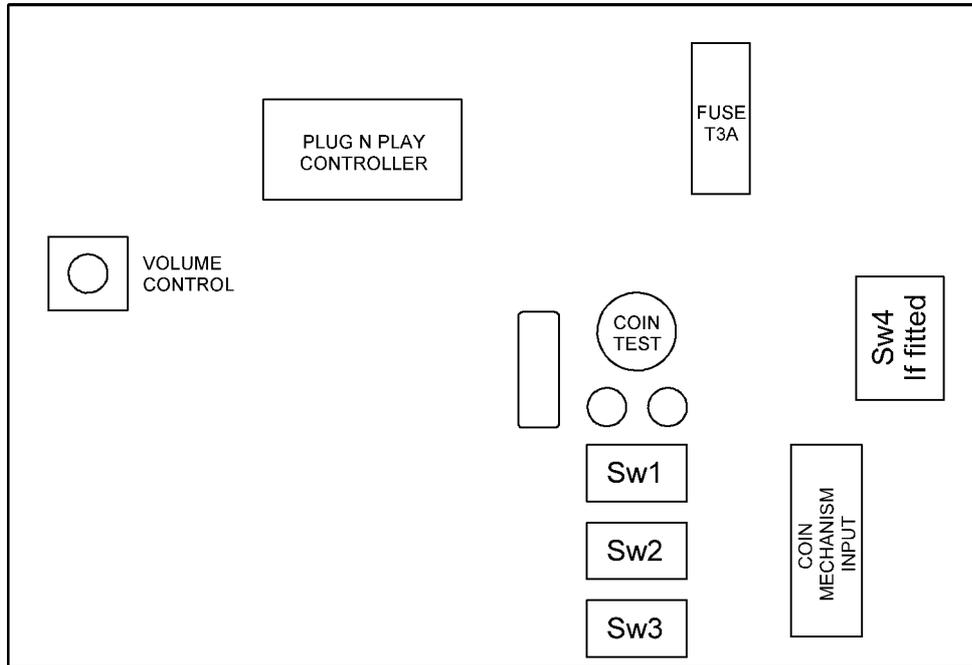


Fig 1 Programmable Control Unit

JR423

Credit Programming sequence

1. Turn Ride OFF
2. Make a note of the current SW1 settings
3. Set ALL SW1 switches to the OFF position
4. Turn the Ride ON
5. Enter coins to the value of the first Credit value
6. Press the Ride Start Switch for the number of rides required for this credit value
7. Insert coins for the next credit value required
8. Press the Ride Start Switch for the next number of rides required
9. Repeat this process until ALL credit values have been entered
10. Now PRESS and HOLD the Ride Start Switch until the voice prompt announces that the programming is completed, approximately 4-5 seconds
11. Turn the Ride OFF
12. Set ALL SW1 switches to the ON position
13. The new Credit Program is now installed
14. If at any time during the process, you wish to cancel the programming function, simply turn the Ride OFF and re-set the original SW1 positions. This will restore the previous credit program

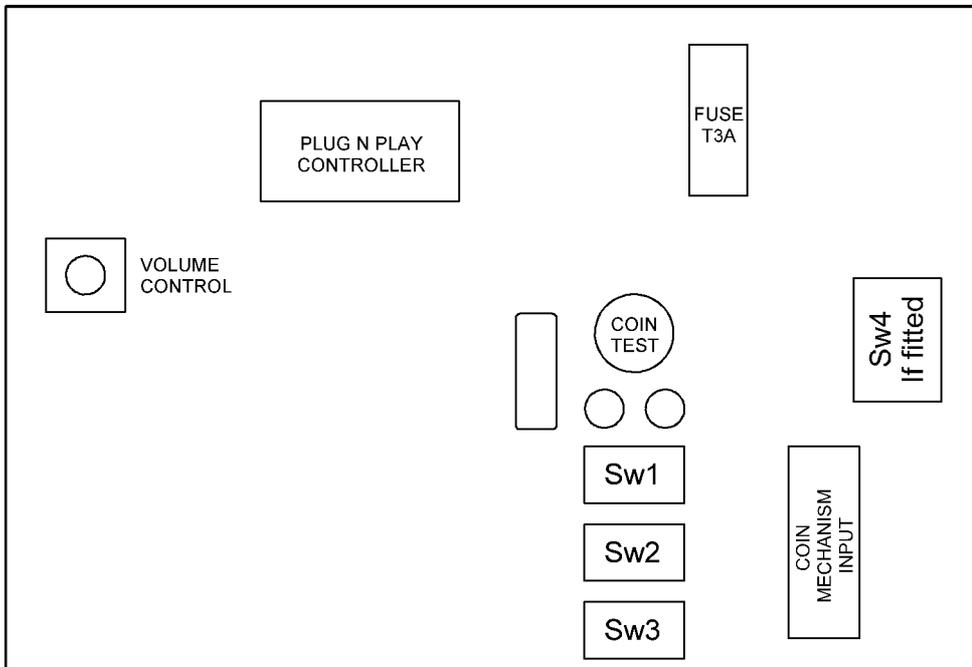
JOLLY ROGER AMUSEMENT RIDES

Stamar “Plug n Play” Kiddie Ride Controller Configuration Instructions

4.8 The new “Plug n Play” programmable control unit has four externally accessible DIL switches, SW1, SW2, SW3 and SW4, which are used to select the most popular modes of operation.

NOTES

1. It is advisable to remove the control unit from the ride as this will assist viewing the switches and referring to these instructions. The control unit can be easily “unplugged” from the ride **AFTER POWER TO THE RIDE HAS BEEN SWITCHED OFF** and the two mounting bolts have been removed.
2. All alterations to these switches should only be made after power to the ride has been turned off as this will avoid any unintentional damage to the control unit and/or the ride.



JR423

Fig 1 Programmable Control Unit

JOLLY ROGER AMUSEMENT RIDES

SW1 sets the Price of Play value or Credit Program Options.

4.9 The SW1 switch is used to set price at play value or credit program options.

NOTES

1. The setting for **either** “price of play” **or** “credits” on SW1 as shown below are selected using **SW3/S4** as shown in SW3 settings below.

i.e. SW3/S4 must be set to On if “Price of Play” options are required.

SW3/S4 must be set to Off if “Credit Programs” are required.

2. The **Price of Play** refers to multiples of the **Base Coinage** that the coin mechanism has been programmed to accept:

- UK Mechanism. The mechanism is programmed for a 10p base and gives play values from 10p (min) to £2.00 (max).
- USA Mechanism. The mechanism is programmed for a 25c base and gives play values from 25c (min) to \$3.75 (max).

SW1

S1	S2	S3	S4	Price Of Play Selected	Or	Pre - Programmed Credit Options Available
on	off	off	off	1 Coin	Or	30 P 1 RIDE 50 P 2 RIDES £1 5 RIDES
off	on	off	off	2 Coin	Or	20 P 1 RIDE 50 P 3 RIDES
on	on	off	off	3 Coin	Or	40 P 1 RIDE £1 3 RIDES
off	off	on	off	4 Coin	Or	50 P 1 RIDE £1 £2 3 RIDES 6 RIDES
on	off	on	off	5 Coin	Or	60 P 1 RIDE £1 £2 2 RIDES 5 RIDES
off	on	on	off	6 Coin	Or	10 P 1 RIDE 30 P 4 RIDES
on	on	on	off	7 Coin	Or	£1 1 RIDE £2 3 RIDES
off	off	off	on	8 Coin	Or	£2 1 RIDE
on	off	off	on	9 Coin	Or	20 P 1 RIDE 40 P 3 RIDES
off	on	off	on	10 Coin	Or	10 P 1 RIDE 20 P 3 RIDES Available on JRTDv3 software onwards 01/05/2001
on	on	off	on	11 Coin	Or	60p 1 RIDE £1 £2 2 RIDES 4 RIDES Available on JRTDv4 software onwards 01/05/2002
off	off	on	on	12 Coin	Or	70p 1 RIDE £1 £2 2 RIDES 4 RIDES
on	off	on	on	13 Coin	Or	
off	on	on	on	14 Coin	Or	Free Play For Exhibition Or Test Use
on	on	on	on	15 Coin	Or	Programmable By User
off	off	off	off	User on site Programming Mode		Available on JRTDv4 software onwards

JOLLY ROGER AMUSEMENT RIDES

Ride time

4.10 SW2 is used to set the ride time. The ride time can be set from 30 seconds to 120 seconds in 15 second increments or to run for as long as the main background soundtrack.

SW2

Ride Time	S1	S2	S3	S4
30 secs	off	off	off	OFF
45 secs	on	off	off	OFF
60 secs	off	on	off	OFF
75 secs	on	on	off	OFF
90 secs	off	off	on	OFF
105 secs	on	off	on	OFF
120 secs	off	on	on	OFF
Ride time set to soundtrack	on	on	on	OFF

NOTE

S4 is used for a diagnostic test sequence during manufacture and under normal operating conditions is not used and must be set to the **OFF** position.

Additional ride features

4.11 SW3 selects additional ride features.

SW3

	S1	S2	S3	S4
Prompt phrases On/Off	On/Off	x	x	x
Attract sounds On/Off	x	On/Off	x	x
Count no. of Rides	x	x	On	x
Count No. of Coins (coin mech. Base coin value)	x	x	Off	x
Select <i>Price of Play</i> options	x	x	x	On
Select <i>Credit Program</i> options	x	x	x	Off

JOLLY ROGER AMUSEMENT RIDES

Ride flasher options

4.12 SW4 selects the ride flasher options (if fitted).

SW4

	S1	S2	S3	S4
1 Channel flasher output	Off	Off	x	OFF
2 Channel running flasher outputs	On	Off	x	OFF
3 Channel running flasher outputs	Off	On	x	OFF
4 Channel running flasher outputs	On	On	x	OFF
Standard flasher speed	x	x	Off	OFF
Fast flasher speed	x	x	On	OFF

NOTE

S4 is used to select "Program Mode" and under normal operating conditions is not to be used and must be set to the **OFF** position. "Program Mode" should only be used by experienced operators familiar with the extended programming sequence, or under direct instruction from Jolly Roger (Amusement Rides) Ltd., or Stamar Electronics.

Volume adjustment

4.13 Access to the volume control knob is gained by removing the coin mechanism (para 4.3 or 4.4) and is adjusted by turning the control knob on the timer which is located on the back wall of the compartment.

Access to other components

4.14 Access to the Power supply unit (PSU), main fuses and other components on the chassis is gained by removing the bottom cover (para 4.22).

Drive belt adjustment

4.15 The "final drive" belt is adjusted by loosening the four bolts holding the camshaft bearings and sliding the whole assembly to adjust.

NOTE

This belt should run tight.

4.16 The "countershaft" belt is adjusted by loosening the four bolts holding the motor and sliding the motor to adjust.

NOTE

This belt should run quite loose.

4.17 Both belts are correctly tensioned during manufacture and should not require adjustment.

Bearings

4.18 All bearings are greased for life and should normally not be re-packed with grease. However, in certain circumstances the bearings may require lubrication. If this situation arises, apply grease sparingly.

JOLLY ROGER AMUSEMENT RIDES

Fuses

4.19 Fuses are located in the side of the PSU. Never replace fuses with a higher value than recommended.

Body and other mouldings

4.20 Clean with damp cloth rinsed out in soapy water, do not hose down or flood the machine. Alternatively, a proprietary household furniture cleaner may be used.

Removal of body shell

NOTE

Refer to Figure 7 in Spare Parts section for item numbers.

4.21 To remove the body shell

4.21.1 Remove the six nuts (Fig 7 item 4) and washers (Fig 7 item 3) situated under the body shell, which attach the body to the chassis.

4.21.2 Disconnect the electrical wiring underneath the body shell by undoing the plug and socket connector.

4.21.3 Remove body shell.

Removal of bottom cover

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

4.22 To remove the bottom cover proceed as follows

CAUTION



Care is to be taken when carrying out step 4.22.1

4.22.1 Turn ride on to its side.

4.22.2 Remove the four hexagon retaining screws that secure the bottom cover.

4.22.3 Refit in reverse order to the removal.

Daily checks

4.23 A check of each coin-operated Kiddie Ride should, whenever reasonably practical, be carried out each day before it is made available for the public. The following checks are recommended: -

4.23.1 Check that the mains plug is undamaged and securely attached to the mains cable.

4.23.2 Check that the mains cable is undamaged.

4.23.3 Check that there are no broken or damaged parts of the ride that may cause injury.

4.23.4 Check that all guards are in place thus preventing any access to the mechanism.

4.23.5 Apply pressure to the ride to ensure that it is firmly secured to the base stem and check that all advisory literature is in place.

JOLLY ROGER AMUSEMENT RIDES

4.23.6 Ensure the area around the ride is free from obstruction and that persons passing by are not in any danger.

4.23.7 The ride should be kept clean and free from any customised additions unless approved by the manufacturer.

4.24 If as a result of the above visual checks any doubt arises, then the company, supplier or person responsible for the ride should be notified immediately.

Motor

The motor is fitted with a manual re-set thermal overload cut-out device in accordance with UL requirements.

4.25 When the motor does not operate, check if the thermal overload cut-out device has operated and re-set as follows:

CAUTION



When the thermal overload cut-out device has operated, investigate and correct the fault before the ride is returned to use.

4.25.1 Disconnect the machine from the electrical power supply

4.25.2 Remove the bottom cover from the machine (para 4.22).

4.24.3 Re-set the thermal overload cut-out button on the motor backplate.

4.25.4 Refit the bottom cover to the machine (para 4.22).

4.25.5 Connect the electrical power and test the ride.

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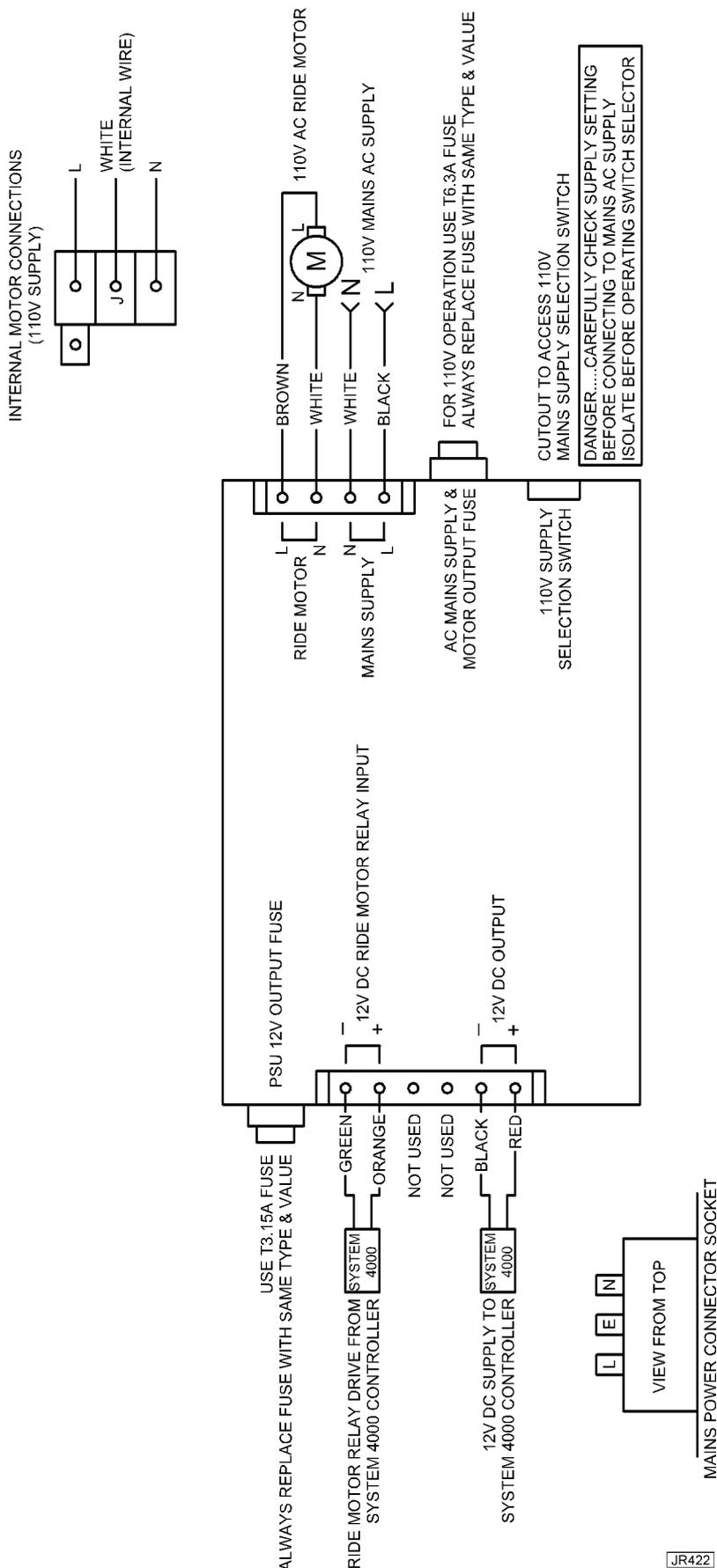
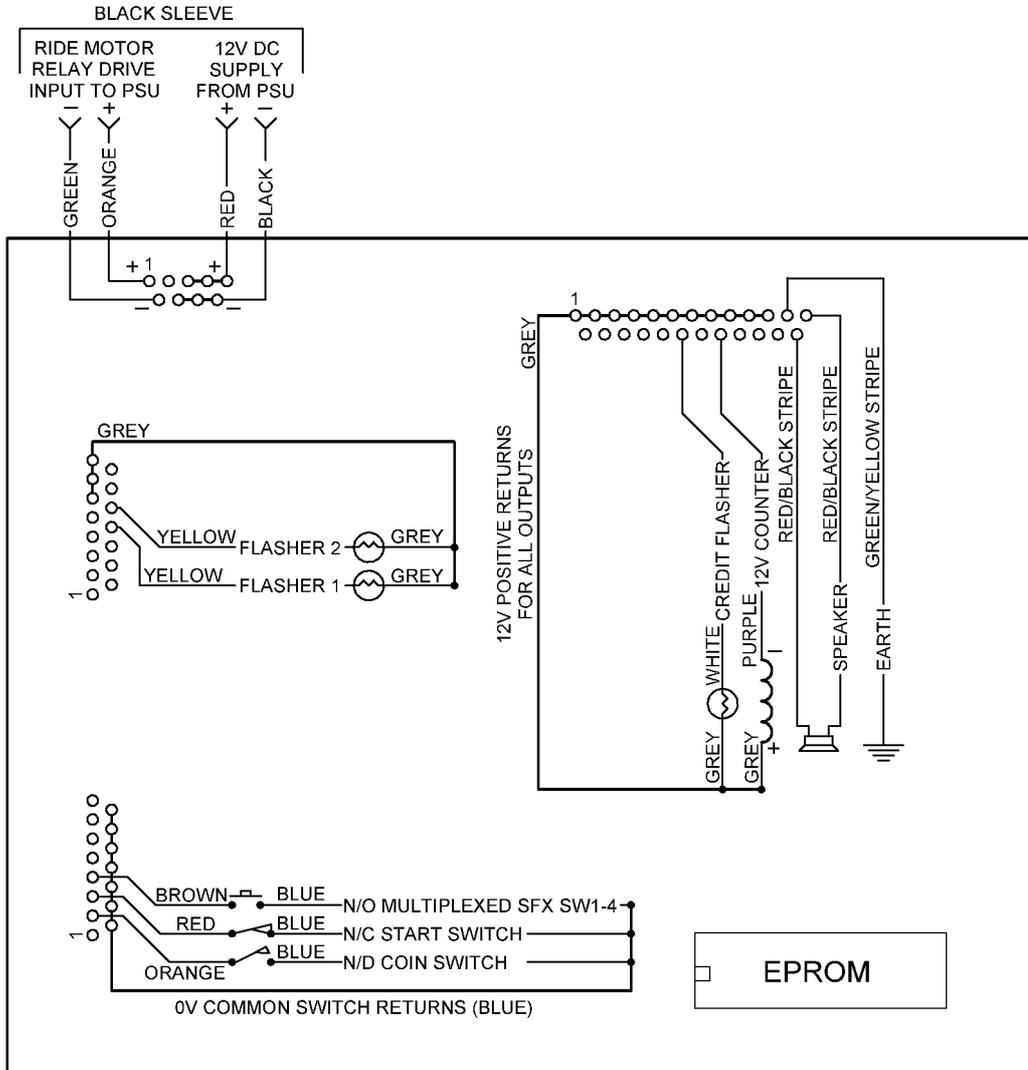


Fig 3 Wiring diagram (rides with the 110 Volts supply) - (System 4000)

JOLLY ROGER AMUSEMENT RIDES



JR420

Fig 4 Wiring diagram cash box - Base to body loom connector (System 4000)

JOLLY ROGER AMUSEMENT RIDES

SPARE PARTS

1. The machine serial number (if given) on the reference plate must always be quoted.
2. Quote the full part number and description as set out in the list.
3. State precisely how parts are to be despatched.
Home: By post, carrier or road transport.
Overseas: By sea freight, airmail or air freight.
4. Keep orders separate from other correspondence.
5. Foreign orders must be sent through our accredited agent, an established London House, or accompanied by a remittance.
6. Replacement parts which are not of genuine Jolly Roger supply, cannot be relied upon to be to the correct specification, material or workmanship. Jolly Roger therefore cannot be expected to extend their Warranty to Kiddies Rides which have been fitted with parts which Jolly Roger has not supplied.
7. Jolly Roger reserve the right to make changes or improvements in the construction or specification of their products at any time.

Conditions of Business

1. Particulars given in this list are subject to withdrawal and alteration without notice.
2. All quotations are subject to confirmation before acceptance of order.
3. All goods are supplied on the conditions that Jolly Roger shall not be liable for any direct or consequential damage arising from delay in delivery or from defective material, other than is covered by our usual form of guarantee.
4. Whilst every effort is made to ensure the accuracy of the particulars contained in this book, modifications and specification changes to the Kiddies Ride are on-going. These may affect the information specified. No responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of information in this book not being in accord with modifications or Kiddies Ride specification changes which are subsequent to the date of this book. Also, no responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of any misinterpretation of the information specified in this parts book.

JOLLY ROGER AMUSEMENT RIDES

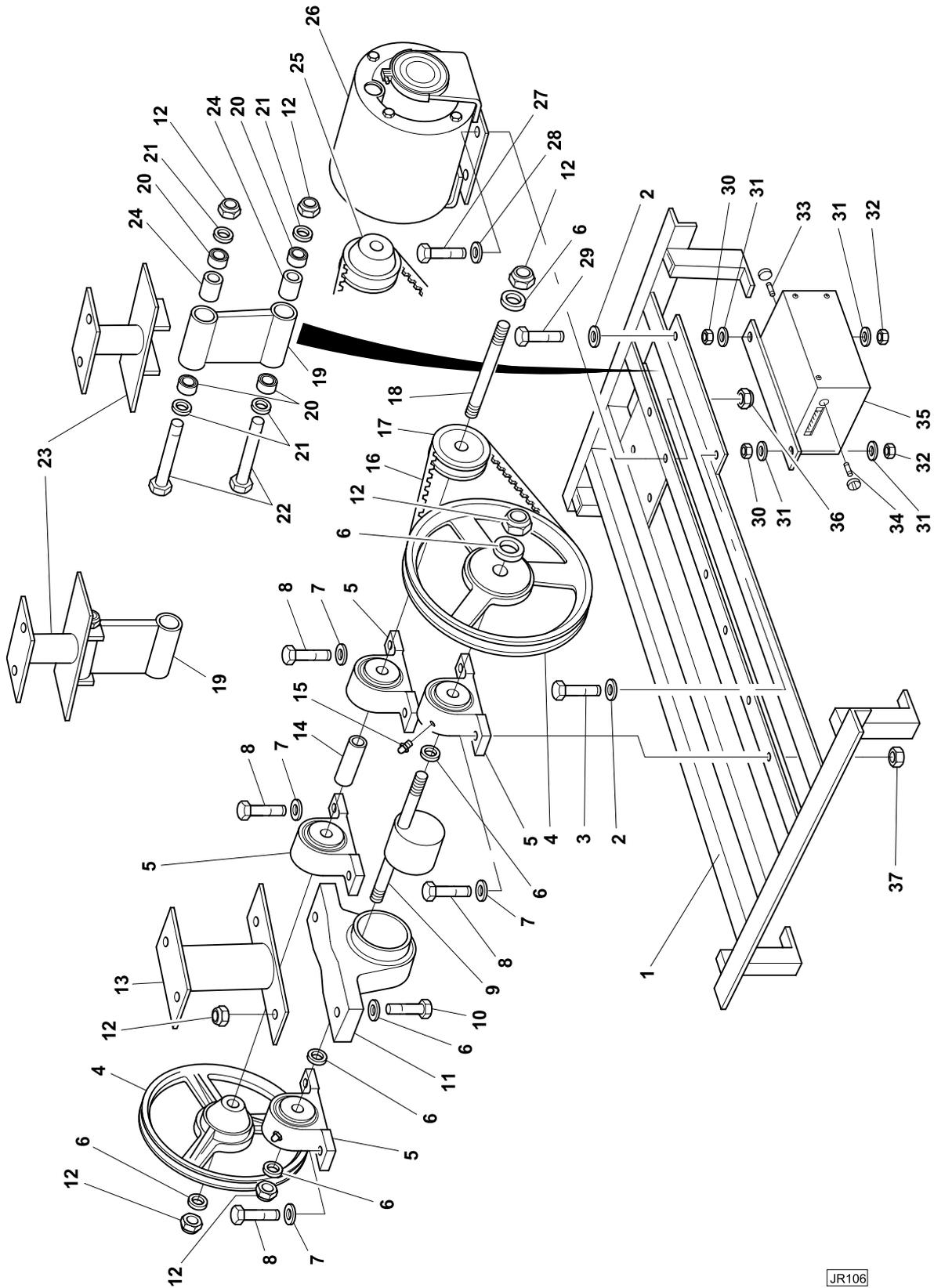


Fig 5 Chassis assembly

JOLLY ROGER AMUSEMENT RIDES

Parts list - Chassis assembly

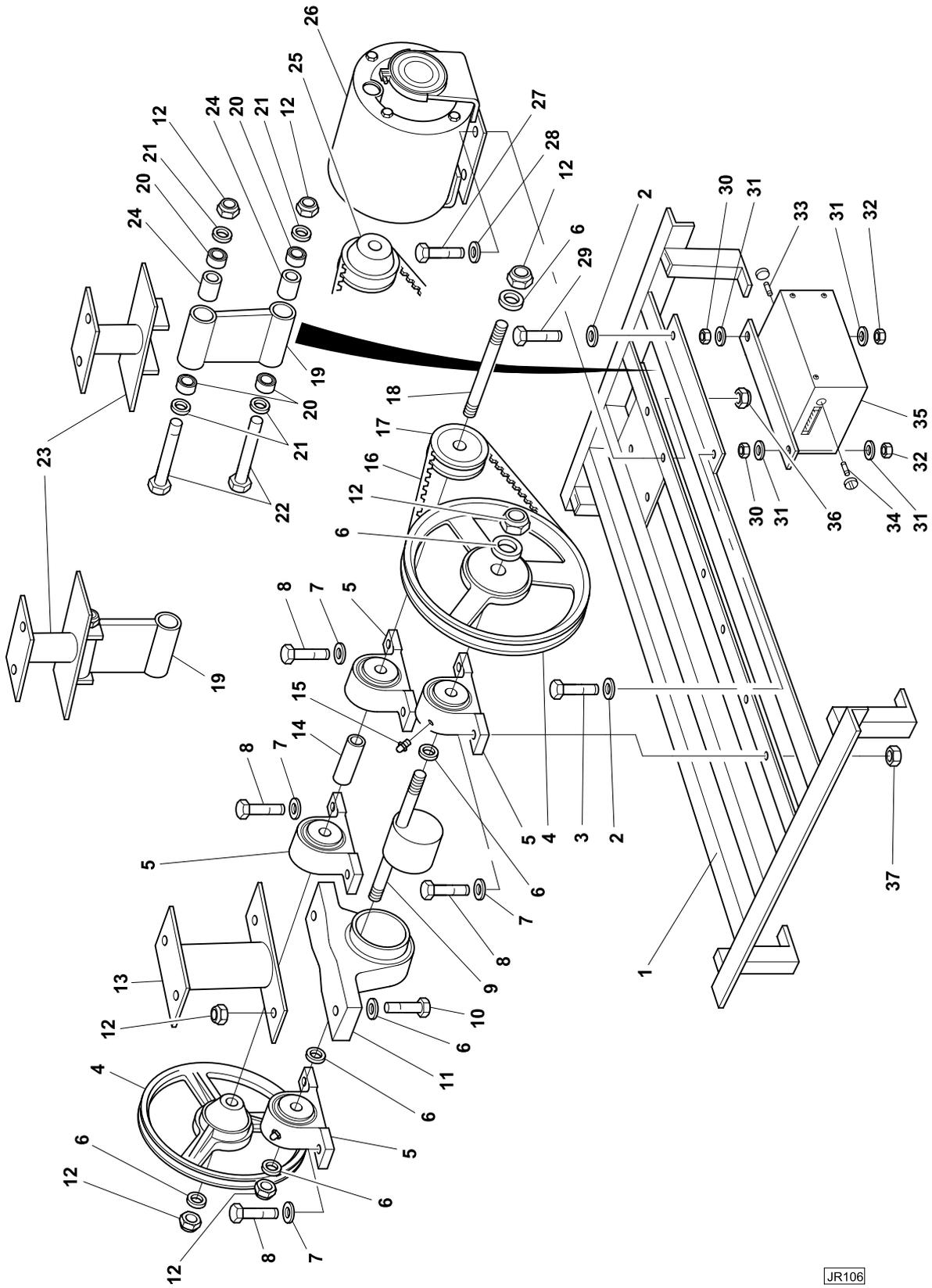
† Item not illustrated

Item No	Part No	Description	QTY
-	3000011	Chassis assembly, comprising:	-
1	3100002	Chassis	1
2	7600000	Washer, M6	2
3	7000203	Bolt, cap head, hexagon socket, M6 x 25	1
4	8000000	Pulley, 224 SPA x 12 mm x 1A	2
5	6000000	Housing, bearing assembly, NP12	4
6	7600300	Washer, M12	10
7	7600200	Washer, M10	8
8	7000604	Bolt, M10 x 35	8
9	8200000	Camshaft	1
10	7000707	Bolt, M12 x 50	2
11	6000001	Housing, bearing assembly, SL40	1
12	7700300	Nut, M12, Nyloc	6
13	3200002	Arm, top, front	1
14	9000003	Spacer, 89 mm long	1
15	9100000	Nipple, grease	5
16	8100000	Belt, vee, A 33 (A 870)	2
17	8000002	Pulley, 43 SPA x 12 mm x 1A	1
18	8210000	Countershaft	1
19	3200001	Arm, pivot	2
20	6100000	Bearing, 6001 ZZ	8
21	9050000	Shim, M12	8
22	7000900	Bolt, precision, M12 x 110	4
23	3200003	Arm, top, rear	2
24	9000002	Spacer, 60 mm long	4
25	8000001	Pulley, 43 SPA x 1/2 in x 1A	1

Cont.

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES



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Fig 5 Chassis assembly (Continued)

JOLLY ROGER AMUSEMENT RIDES

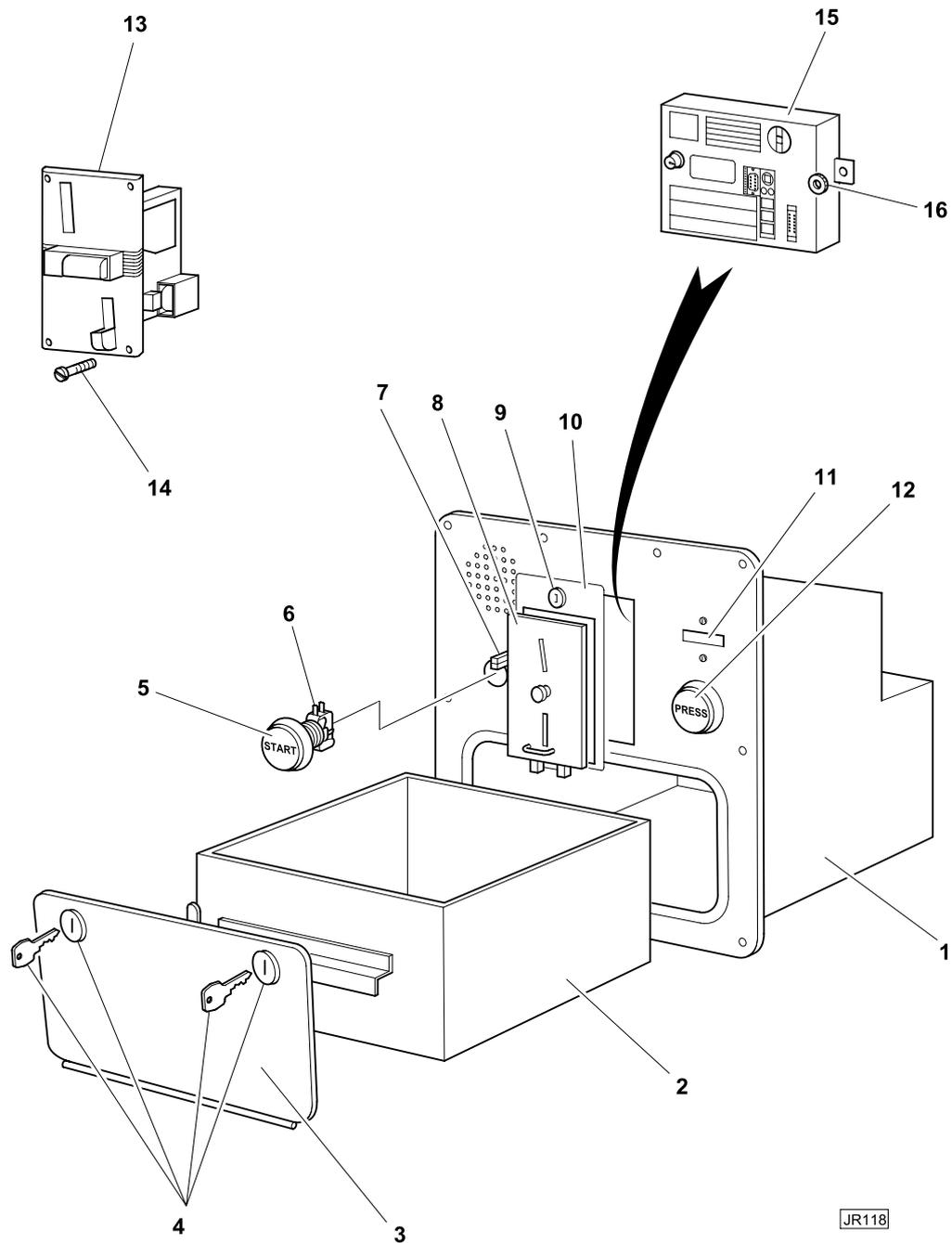
Parts list - Chassis assembly

† Item not illustrated

Item No	Part No	Description	QTY
Cont.			
-	3000011	Chassis assembly, comprising:	-
26	2000001	Motor, 220/240 volts 50 Hz	1
-	2000000	Motor, 110 volts 60 Hz (alternative)	1
27	7000503	Bolt, M8 x 25	4
28	7600100	Washer, M8	4
29	7000204	Bolt, cap head, hexagon socket, M6 x 30	8
30	7700001	Nut, M6	2
31	7600001	Washer, M6 x 25 dia	6
32	7700000	Nut, M6, nyloc	2
33	2400006	Fuse, output, 12 volt T5A	1
34	2400004	Fuse main, T3.15A	1
-	2400007	Fuse main, T6.3A (alternative for 110-120V 60Hz)	1
35	2100011	Power supply unit	1
36	7700100	Nut, M8, Nyloc	4
37	7700200	Nut, M10, Nyloc	8
-	† 5120001	Castor, 2 inch	2
-	† 1110047	Bottom cover moulding	1
-	† 7000503	Bolt, hexagon head M8 x 25 c/w washers and nut	4
-	† 2200003	Mains lead	1

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES



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Fig 6 Coin collection assembly (System 4000)

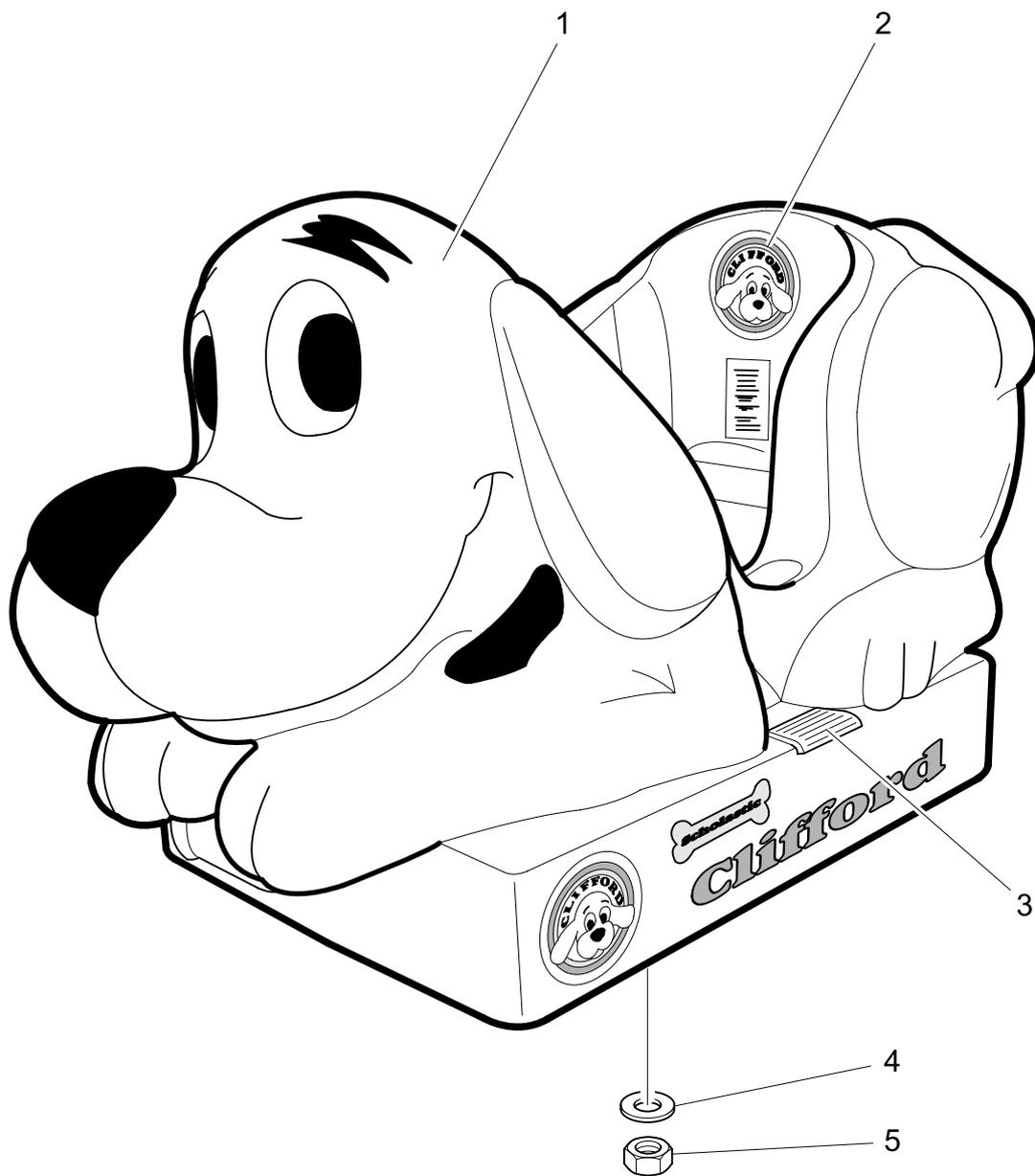
JOLLY ROGER AMUSEMENT RIDES

Parts list - Coin collection assembly (System 4000)

† Item not illustrated

Item No	Part No	Description	QTY
-	4000006	Coin collection assembly comprising:	-
1	4100020	Housing	1
2	4100001	Cash box	1
3	4100021	Door	1
4	9300006	Lock complete with keys	2
5	2520008	Switch, pushbutton, round, START, green	1
-	† 2920008	Bulb, 2.2 watt, wedge	1
6	2520010	Microswitch	1
7	2500000	Microswitch, coin acceptor	1
8	4200008	Coin acceptor	1
9	9300004	Lock complete with keys	1
10	4200009	Plate, coin acceptor	1
11	2100009	Counter, coin impulse (fitted internally)	1
12	2520009	Switch, pushbutton, round, PRESS, red	1
-	† 2920008	Bulb, 2.2 watt wedge	1
-	† 2520010	Microswitch	1
13	4200005	Coin acceptor, electronic assembly (optional) comprising:	1
-	† 4200006	Mechanism, electronic coin acceptor	1
-	† 4200007	Wiring loom, electronic coin acceptor	1
14	7200000	Screw, cap head, M4 x 20	4
15	2100012	Timer, System 4000	1
14	2100013	Nut, timer	2
-	† 2600000	Loudspeaker	1

Note: Refer to manufacturer when ordering items from this list.



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Fig 7 Clifford Body Shell Assembly

JOLLY ROGER AMUSEMENT RIDES

Parts list - Clifford Body Shell Assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	1080061	Body shell assembly, comprising:	
1	1100061	Moulding, body	1
2	1700061	Decal Set	1
3	1300002	Step, edge, 5 inch	2
4	7600200	Washer, M10	6
5	7700200	Nut, M19, Nyloc	6
	† 1300054	Plate, foot tread	1
	† 1200001	Handle, large	2

Note: For coin acceptor and cash box details see coin collection assembly parts list

Note: Refer to manufacturer when ordering items from this list

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JOLLY ROGER AMUSEMENT RIDES

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with the BACTA Industry Standard, the HSE Fairgrounds and Amusement Parks A Code of Safe practice, the Health and Safety at Work Act 1974. (All applicable in the United Kingdom).

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with United States Standard ANSI/UL22 and Canadian C.S.A. Standard C22.2 No. 68.92 and in particular have carried out tests for Earth bonding and dielectric strength. The rides have also been tested and comply with requirements of FCC Part 15, Class A.

THIS CERTIFICATE DOES NOT EXONERATE THE OPERATOR FROM REGULAR CHECKING AND MAINTENANCE OF THE MACHINE TO WHICH IT APPLIES.

Jolly Roger (Amusement Rides) Ltd.
College View Works,
Manby Road,
Grimoldby, Louth,
Lincolnshire,
England. LN11 8HE

Telephone (01507) 328856 Telefax (01507) 327060

E-mail: sales@jolly-roger.co.uk

JOLLY ROGER AMUSEMENT RIDES

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Jolly Roger (Amusement Rides) Ltd.

College View Works,
Manby Road,
Grimoldby,
Louth,
Lincolnshire,
England. LN11 8HE

Telephone: + 44 (0)1507 328856
Fax: + 44 (0)1507 327060
E-mail: sales@jolly-roger.co.uk

EC DECLARATION OF CONFORMITY (Revised 1st January 1997 and 1st September 2002)

Manufacturer: As above

Details of Electrical Equipment

Type No.: 2

Description: Coin-operated Childrens Ride

Directives this equipment complies with: Electrical Equipment (Safety) Regulations 1994, SI No3260 (Regulation 5. (1)).
Electromagnetic Compatability Directive 89/336/EEC
Low voltage directive 72/23/EEC (article 2) as amended by 93/68/EEC.

Harmonised standards applied in order to verify compliance with Directives: EN 50081-1:1992
EN 50082-1:1992
EN 60335-1:1994 inc. AMDS A11, A1, A12, A13, A14, A2, A15 and A16 - Safety of Household and Similar Electrical Appliance.
EN 55014-1: 1993 EN61000-3-2:1995 + A1: 1998 + A2: 1998
EN 61000-3-3: 1995 EN55014-2: 1997 Category 2
EN 60335-2-82: 2000 - Particular Requirements for Service Machines and Amusement Machines

Test Reported Issued by:	Notified / Competent Body	Report No.
D.J.Taylor	Intertek Testing Services	EM01005623 (A)
J.A.Bearpark	Inchcape Testing Services (U.K.) Ltd.	EM207110 Part A
T.Heathcote	Rowland Laboratories Ltd.	20584
A.Cuthbert	Intertek Testing Service	02007267/A

Year in which CE mark was affixed: 1996/7

Authorised Signatory:

Manufacturer



Date of Issue

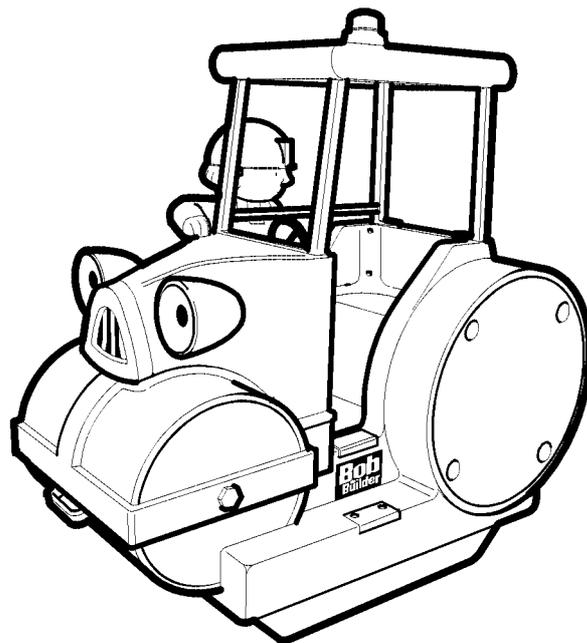
1st January 1997

Name: R.J.Newborough
Position: Managing Director

Place of Issue
Grimoldby, England

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BOB THE BUILDER (ROLEY) HANDBOOK

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and Keith Chapman 2003

System 4000

JR006

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JOLLY ROGER (Amusement Rides) Ltd reserves the right to make changes, for the purpose of product improvement, at any time.

Jolly Roger (Amusement Rides) Ltd. College View Works, Manby Road, Grimoldby, Louth, Lincolnshire, England. LN11 8HE.

Telephone: + 44 (0) 1507 328856
Fax: + 44 (0) 1507 327060
E-mail: sales@jolly-roger.co.uk

This handbook was prepared for Jolly Roger (Amusement Rides) Ltd
by
Bowne Global Solutions Ltd.,
Cophall Terrace,
Coventry,
United Kingdom
CV1 2FP

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

INTRODUCTION

Thank you for purchasing your new Kiddie Ride from Jolly Roger (Amusement Rides) Limited and we trust it will give many years of trouble-free profitable service.

Whilst this booklet has been produced primarily with our United Kingdom and European customers in mind, it will certainly be of benefit to other users worldwide.

Reference is made to the United Kingdom Health and Safety at Work Act - Code of Safe Practice at Fairs (which specifically includes coin operated Children's Rides), the Industry Standard for the construction, operation and use of coin-operated Children's Rides, and the EC Declaration of Conformity (CE Mark).

The Rides comply with United Kingdom and European Community regulations, and are ETL listed to comply with US Standard UL 22 covering Amusement Games and Canadian standard C22.2 No 68 covering motor operated appliances.

The rides are designed for intermittent use and the maximum anticipated duty cycle is 30 operations per hour.

The guidance given in this publication is relevant to the safe operation of children's rides wherever they may be operated.

WARNINGS & CAUTIONS

The international safety sign is used throughout this Handbook where specific safety precautions are detailed. The sign is positioned so that the precautions are readily identifiable.

WARNING



INTERNATIONAL SAFETY SIGN

WARNINGS

Warnings call attention to instructions, which must be followed precisely to avoid injury or death.

CAUTIONS

Cautions call attention to instructions, which must be followed precisely to avoid damaging the equipment.

JOLLY ROGER AMUSEMENT RIDES

HEALTH AND SAFETY - CODE OF SAFE PRACTICE AT FAIRS - INDUSTRY STANDARDS

(UNITED KINGDOM)

1.1 Our equipment has been manufactured to the highest standard of construction and safety in order to conform to the H.S.E. Fairground and Amusement Parks, A Code of Safe Practice and the U.K. Health and Safety at Work Act 1974.

1.2 This machine must be earthed. (CONNECTED TO GROUND)

1.3 If a 13 Amp BS1363 plug is fitted then a 5 amp fuse should be fitted. (UK only)

1.4 If the ride is to be situated outdoors, the socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a residual current circuit breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.

1.5 In addition to our manufacturer's test and the daily checks every ride shall be subject to a Thorough Examination by an appointed person once every period of 14 months. (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). The regulation applies in the UK only, however it is sound operating practice wherever a ride is operated.

1.6 The appointed person need not be independent, but should be at least 21 years old, registered under the Amusement Device Inspection Procedures Scheme (ADIPS) and be competent by such qualifications, knowledge, experience and supporting services to be able to make an assessment of the safety of the ride, including any associated equipment/parts e.g. electrical, hydraulic or pneumatic.

1.7 The appointed person should have the technical competence to recognise the significance of the effects of stresses, loadings and fatigue and also be competent to determine the extent of permissible wear.

1.8 The Thorough Examination is to be carried out by a registered body in accordance with the regulations laid down in the Health and Safety at Work Act 1974 (Fairgrounds and Amusements Parks-Guidance on Safe Practice, HSG 175). A Report of Inspection is to be completed after the Thorough Examination. (Applicable in UK only).

1.9 On completion of the Thorough Examination, a Declaration of Operational Compliance (DOC) certificate is to be issued which must be retained for a period of ten years and be available for inspection by the Health and Safety Inspectorate and/or the appropriate officer of the Environmental Health Department of a Local authority. (Applicable in UK only).

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



1.10 If considered necessary, further protection to the power supply may be afforded by conduit, trunking, or rubber protector strip with tapered edges and non-slip ribbed bases. Care is needed to avoid a tripping hazard.

1.11 The Kiddie Rides should be so sited that the length of cable between the ride and socket outlet is a minimum. For floor mounted socket outlets, the ride may be positioned so that there is virtually no exposed cable.

1.12 Galvanised steel braided armoured cable and flexible copper braided cable cannot be satisfactorily terminated in a 13 amp standard (BS 1363) plug. Such cables can be terminated in industrial type plugs BS 196 or BS 4343 or equivalent, but these require the special suitable sockets. (Applicable in UK only).

JOLLY ROGER AMUSEMENT RIDES

INSTALLATION

Siting

WARNING



IT IS NOT RECOMMENDED THAT THE RIDE BE SITED ON A PLINTH, PLATFORM OR ANY FORM OF MATTING. DOING THIS WILL INCREASE THE HEIGHT OF THE RIDE FROM THE GROUND AND MAY CAUSE INJURY FROM FALLING OR TRIPPING.

2.1 A common sense approach should be adopted when siting Kiddie Rides. The following items are an indication, but not exhaustive:

2.1.1 Position the Ride on a level surface.

2.1.2 Ensure there is adequate clearance all round the Ride to minimise the risk of injury to the passengers or public. If possible, a 1 metre clearance around the ride is recommended.

2.1.3 **DO NOT** obstruct emergency exits.

2.1.4 **DO NOT** obstruct fire appliances, hydrants etc.

2.1.5 If sited outside:

The socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a Residual Current Circuit Breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.

DO NOT operate in adverse weather conditions.

NOTE

This ride is considered suitable for outdoor protected locations i.e. under a canopy, or cover and not in a position where the ride could be exposed to direct rain or snow, or other adverse weather conditions.

2.1.6 **DO NOT** locate the ride directly against the plug, which should remain accessible at all times

2.1.7 The ride is not suitable for installation or operation in an area where a water jet could be used

CAUTION

For safety reasons the electrical wiring is colour coded as follows:



2.1.8 For rides with 220-240 volt electrical supply, the wiring colour codes are:

Brown - live
Green/Yellow-earth
Blue – neutral.

2.1.9 For rides with 110-120 volt electrical supply, the wiring colour codes are:

Black - live
Green - earth
White – neutral.

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

INSTALLATION

Site d'installation

ATTENTION  **IL N'EST PAS RECOMMANDE DE CONDUIRE SUR UNE PENTE, RAMPE OU AUTRE AFIN DE NE PAS ELEVER LA HAUTEUR DU VEHICULE ET NE PAS CAUSER DE BLESSURES EN RAISON DE RENVERSEMENT OU D'ACCROCHAGE.**

2.1 Faites appel à votre bon sens quand vous choisissez le site d'installation des manèges pour enfants. Les points suivants sont donnés à titre indicatif mais ne sont pas exhaustifs:

2.1.1 Placer le manège sur une surface nivelée.

2.1.2 S'assurer qu'il y a suffisamment d'espace tout autour du manège pour minimiser le risque de blessures pouvant être causées aux passagers ou au public. Si c'est possible, il est conseillé de laisser 1 mètre d'espace tout autour du manège.

2.1.3 **NE PAS** obstruer les sorties de secours.

2.1.4 **NE PAS** obstruer les bouches d'incendie et la voie de passage des voitures de pompiers.

2.1.5 Si le manège est situé à l'extérieur:

La fiche d'alimentation secteur devrait être branchée avec une prise mâle résistant aux intempéries et protégée en permanence par un disjoncteur de courant résiduel ou un disjoncteur différentiel ayant un taux de déclenchement ne dépassant pas 30 milliampères en 30 milli-secondes.

NE PAS faire fonctionner cette machine lors d'intempéries.

NOTE

On considère que ce manège est adapté à des endroits en plein air abrités, par exemple sous un toit, ou un abri et placé de sorte que le manège ne soit pas exposé directement à la pluie ou à la neige ou à d'autres intempéries.

2.1.6 **NE PAS** installer le manège directement contre la prise; cette dernière devrait toujours être accessible.

2.1.7 Il n'est pas convenable d'installer ou de faire marcher le manège dans un endroit où l'on pourrait utiliser des jets d'eau.

AVERTISSEMENT



Pour des raisons de sécurité, le circuit électrique est repéré par couleurs comme indiqué ci-dessous:

2.1.8. Pour les manèges alimentés en 220-240 volt, le circuit électrique est le suivant:

Marron : phase
Vert/Jaune : terre
Bleu : neutre.

2.1.9 Pour les manèges alimentés en 110-120 volt, le circuit électrique est le suivant:

Noir : phase
Vert : terre
Blanc : neutre.

ATTENTION



TOUJOURS DEBRANCHER LA MACHINE DE L'ALIMENTATION SECTEUR AVANT D'EFFECTUER TOUTE REPARATION OU TOUTE VERIFICATION.

JOLLY ROGER AMUSEMENT RIDES

OPERATION

General

3.1 A coin-operated Kiddie Ride should not be used unless a D.O.C. has been provided, indicating that the device is safe to operate (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). This regulation applies in the UK only.

JOLLY ROGER AMUSEMENT RIDES

MAINTENANCE

GENERAL

4.1 The rides do not require any periodic maintenance but, they should be checked regularly to ensure that they are in a safe condition for operation by the general public. In the unlikely event of the need to make adjustments or repairs to the machine, the following procedures are recommended.

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS OR COIN MECHANISMS.



Control unit

4.2 The control unit, which operates at 12 volts, is located at the back of the coin acceptor compartment. To remove/refit the control unit proceed as follows:

4.2.1 Remove the coin acceptor (para 4.3 or 4.4).

4.2.2 Remove the two thumb nuts located at each end of the unit.

4.2.3 The control unit may now be removed by pulling it forwards and withdrawing it through the coin acceptor aperture in the cash box assembly.

4.2.4 The mode of operation may now be altered by referring to the basic configuration, as printed on its enclosure, or by referring to the advanced configuration referred to at para 4.7.

4.2.5 Refit the unit by positioning it on the two locator bolts and gently pushing it back into place, ensuring that the plugs and sockets connect to each other.

4.2.6 Refit the two thumb nuts to ensure a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

Coin acceptor (mechanical)

4.3 To remove/refit the coin acceptor proceed as follows:

4.3.1 Remove the coin acceptor by turning the lock situated on the faceplate - the coin acceptor can now be removed from the machine and the wires pulled off the coin acceptor microswitch if desired.

NOTE

Ensure that the wires are reconnected on the correct terminals (C and NO).

4.3.2 To remove litter from the coin acceptor, slide off the spring clip on the top of the mechanism and remove side plate, then remove any litter or obstruction.

4.3.3 Refit the coin acceptor in reverse order to removal, ensuring that the pins on the main coin acceptor body locate in the dimples on the side plate.

4.3.4 Adjusting screws for coin diameter and thickness are also located on the side plate, these are factory set and should not normally require alteration.

JOLLY ROGER AMUSEMENT RIDES

Coin acceptor (electronic) MARS

4.4 To remove/refit the coin acceptor proceed as follows:

4.4.1 Remove the coin acceptor by turning the lock situated on the faceplate and disconnect the cable plug from the printed circuit board on the mechanism - the coin acceptor can now be removed from the machine.

4.4.2 To remove litter from the coin acceptor, pull the hinged side plate sideways and remove any litter or obstruction. Release hinged side plate.

4.4.3 Refit the coin acceptor in reverse order to removal, ensuring that the cable plug is reconnected to the printed circuit board on the mechanism.

WARNING NEVER REMOVE OR REPLACE AN ELECTRONIC MECHANISM WITH THE POWER SUPPLY SWITCHED ON.



Electronic coin mechanism MARS - switch positions

4.5 To inhibit coins:

With machine switched on:

4.5.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = ON.

4.5.2 Press reject button within 20 seconds of setting slide switches.

4.5.3 Insert all coins to be inhibited.

4.5.4 Press reject button within 20 seconds of inserting coins. Inhibited coins should now be rejected.

4.6 To re-enable inhibited coins:

With machine switched on:

4.6.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = OFF.

4.6.2 Press reject button within 20 seconds of setting slide switches.

4.6.3 Insert all coins to be re-enabled.

4.6.4 Press reject button within 20 seconds of inserting coins. Previously inhibited coins should now be accepted.

NOTE

Mechanism must be powered up before changing switch positions. Switch positions must be moved prior to attempting either of the above.

JOLLY ROGER AMUSEMENT RIDES

Stamar “Plug n Play” Kiddie Ride Controller Credit Programming Instructions

4.7 The “Plug n Play” Timer Unit can now be programmed “on-site” for any Credit functions as shown by the following instructions. This facility is incorporated on all software from JRTDv4 onwards

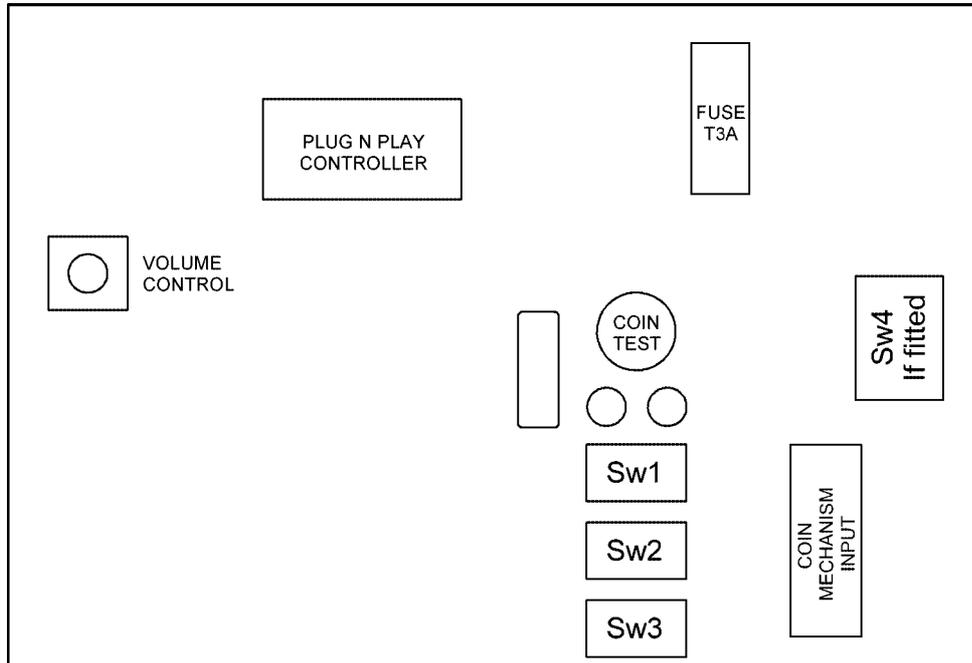


Fig 1 Programmable Control Unit

JR423

Credit Programming sequence

1. Turn Ride OFF
2. Make a note of the current SW1 settings
3. Set ALL SW1 switches to the OFF position
4. Turn the Ride ON
5. Enter coins to the value of the first Credit value
6. Press the Ride Start Switch for the number of rides required for this credit value
7. Insert coins for the next credit value required
8. Press the Ride Start Switch for the next number of rides required
9. Repeat this process until ALL credit values have been entered
10. Now PRESS and HOLD the Ride Start Switch until the voice prompt announces that the programming is completed, approximately 4-5 seconds
11. Turn the Ride OFF
12. Set ALL SW1 switches to the ON position
13. The new Credit Program is now installed
14. If at any time during the process, you wish to cancel the programming function, simply turn the Ride OFF and re-set the original SW1 positions. This will restore the previous credit program

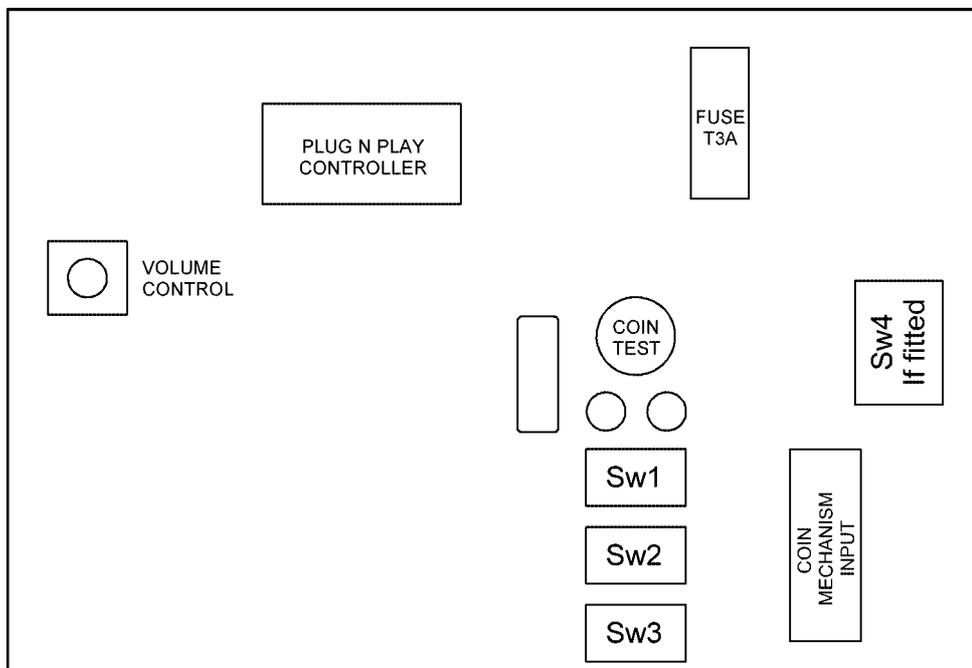
JOLLY ROGER AMUSEMENT RIDES

Stamar "Plug n Play" Kiddie Ride Controller Configuration Instructions

4.8 The new "Plug n Play" programmable control unit has four externally accessible DIL switches, SW1, SW2, SW3 and SW4, which are used to select the most popular modes of operation.

NOTES

1. It is advisable to remove the control unit from the ride as this will assist viewing the switches and referring to these instructions. The control unit can be easily "unplugged" from the ride **AFTER POWER TO THE RIDE HAS BEEN SWITCHED OFF** and the two mounting bolts have been removed.
2. All alterations to these switches should only be made after power to the ride has been turned off as this will avoid any unintentional damage to the control unit and/or the ride.



JR423

Fig 1 Programmable Control Unit

JOLLY ROGER AMUSEMENT RIDES

SW1 sets the Price of Play value or Credit Program Options.

4.9 The SW1 switch is used to set price at play value or credit program options.

NOTES

1. The setting for **either** “price of play” **or** “credits” on SW1 as shown below are selected using **SW3/S4** as shown in SW3 settings below.

i.e. SW3/S4 must be set to On if “Price of Play” options are required.

SW3/S4 must be set to Off if “Credit Programs” are required.

2. The **Price of Play** refers to multiples of the **Base Coinage** that the coin mechanism has been programmed to accept:

- UK Mechanism. The mechanism is programmed for a 10p base and gives play values from 10p (min) to £2.00 (max).
- USA Mechanism. The mechanism is programmed for a 25c base and gives play values from 25c (min) to \$3.75 (max).

SW1

S1	S2	S3	S4	Price Of Play Selected	Or	Pre - Programmed Credit Options Available
on	off	off	off	1 Coin	Or	30 P 1 RIDE 50 P 2 RIDES £1 5 RIDES
off	on	off	off	2 Coin	Or	20 P 1 RIDE 50 P 3 RIDES
on	on	off	off	3 Coin	Or	40 P 1 RIDE £1 3 RIDES
off	off	on	off	4 Coin	Or	50 P 1 RIDE £1 £2 3 RIDES 6 RIDES
on	off	on	off	5 Coin	Or	60 P 1 RIDE £1 £2 2 RIDES 5 RIDES
off	on	on	off	6 Coin	Or	10 P 1 RIDE 30 P 4 RIDES
on	on	on	off	7 Coin	Or	£1 1 RIDE £2 3 RIDES
off	off	off	on	8 Coin	Or	£2 1 RIDE
on	off	off	on	9 Coin	Or	20 P 1 RIDE 40 P 3 RIDES
off	on	off	on	10 Coin	Or	10 P 1 RIDE 20 P 3 RIDES Available on JRTDv3 software onwards 01/05/2001
on	on	off	on	11 Coin	Or	60p 1 RIDE £1 £2 2 RIDES 4 RIDES Available on JRTDv4 software onwards 01/05/2002
off	off	on	on	12 Coin	Or	70p 1 RIDE £1 £2 2 RIDES 4 RIDES
on	off	on	on	13 Coin	Or	
off	on	on	on	14 Coin	Or	Free Play For Exhibition Or Test Use
on	on	on	on	15 Coin	Or	Programmable By User
off	off	off	off	User on site Programming Mode		Available on JRTDv4 software onwards

JOLLY ROGER AMUSEMENT RIDES

Ride time

4.10 SW2 is used to set the ride time. The ride time can be set from 30 seconds to 120 seconds in 15 second increments or to run for as long as the main background soundtrack.

SW2

Ride Time	S1	S2	S3	S4
30 secs	off	off	off	OFF
45 secs	on	off	off	OFF
60 secs	off	on	off	OFF
75 secs	on	on	off	OFF
90 secs	off	off	on	OFF
105 secs	on	off	on	OFF
120 secs	off	on	on	OFF
Ride time set to soundtrack	on	on	on	OFF

NOTE

S4 is used for a diagnostic test sequence during manufacture and under normal operating conditions is not used and must be set to the **OFF** position.

Additional ride features

4.11 SW3 selects additional ride features.

SW3

	S1	S2	S3	S4
Prompt phrases On/Off	On/Off	x	x	x
Attract sounds On/Off	x	On/Off	x	x
Count no. of Rides	x	x	On	x
Count No. of Coins (coin mech. Base coin value)	x	x	Off	x
Select <i>Price of Play</i> options	x	x	x	On
Select <i>Credit Program</i> options	x	x	x	Off

JOLLY ROGER AMUSEMENT RIDES

Ride flasher options

4.12 SW4 selects the ride flasher options (if fitted).

SW4

	S1	S2	S3	S4
1 Channel flasher output	Off	Off	x	OFF
2 Channel running flasher outputs	On	Off	x	OFF
3 Channel running flasher outputs	Off	On	x	OFF
4 Channel running flasher outputs	On	On	x	OFF
Standard flasher speed	x	x	Off	OFF
Fast flasher speed	x	x	On	OFF

NOTE

S4 is used to select “Program Mode” and under normal operating conditions is not to be used and must be set to the **OFF** position. “Program Mode” should only be used by experienced operators familiar with the extended programming sequence, or under direct instruction from Jolly Roger (Amusement Rides) Ltd., or Stamar Electronics.

Volume adjustment

4.13 Access to the volume control knob is gained by removing the coin mechanism (para 4.3 or 4.4) and is adjusted by turning the control knob on the timer which is located on the back wall of the compartment.

Access to other components

4.14 Access to the Power supply unit (PSU), main fuses and other components on the chassis is gained by removing the bottom cover (para 4.22).

Drive belt adjustment

4.15 The “final drive” belt is adjusted by loosening the four bolts holding the camshaft bearings and sliding the whole assembly to adjust.

NOTE

This belt should run tight.

4.16 The “countershaft” belt is adjusted by loosening the four bolts holding the motor and sliding the motor to adjust.

NOTE

This belt should run quite loose.

4.17 Both belts are correctly tensioned during manufacture and should not require adjustment.

Bearings

4.18 All bearings are greased for life and should normally not be re-packed with grease. However, in certain circumstances the bearings may require lubrication. If this situation arises, apply grease sparingly.

JOLLY ROGER AMUSEMENT RIDES

Fuses

4.19 Fuses are located in the side of the PSU. Never replace fuses with a higher value than recommended.

Body and other mouldings

4.20 Clean with damp cloth rinsed out in soapy water, do not hose down or flood the machine. Alternatively, a proprietary household furniture cleaner may be used.

Removal of body shell

NOTE

Refer to Figure 7 in Spare Parts section for item numbers.

4.21 To remove the body shell

4.21.1 Remove the six nuts (Fig 7 item 5) and washers (Fig 7 item 4) situated under the body shell, which attach the body to the chassis.

4.21.2 Disconnect the electrical wiring underneath the body shell by undoing the plug and socket connector.

4.21.3 Remove body shell.

Removal of bottom cover

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



4.22 To remove the bottom cover proceed as follows

CAUTION Care is to be taken when carrying out step 4.22.1



4.22.1 Turn ride on to its side.

4.22.2 Remove the four hexagon retaining screws that secure the bottom cover.

4.22.3 Refit in reverse order to the removal.

Daily checks

4.23 A check of each coin-operated Kiddie Ride should, whenever reasonably practical, be carried out each day before it is made available for the public. The following checks are recommended: -

4.23.1 Check that the mains plug is undamaged and securely attached to the mains cable.

4.23.2 Check that the mains cable is undamaged.

4.23.3 Check that there are no broken or damaged parts of the ride that may cause injury.

4.23.4 Check that all guards are in place thus preventing any access to the mechanism.

4.23.5 Apply pressure to the ride to ensure that it is firmly secured to the base stem and check that all advisory literature is in place.

JOLLY ROGER AMUSEMENT RIDES

4.23.6 Ensure the area around the ride is free from obstruction and that persons passing by are not in any danger.

4.23.7 The ride should be kept clean and free from any customised additions unless approved by the manufacturer.

4.24 If as a result of the above visual checks any doubt arises, then the company, supplier or person responsible for the ride should be notified immediately.

Motor

The motor is fitted with a manual re-set thermal overload cut-out device in accordance with UL requirements.

4.25 When the motor does not operate, check if the thermal overload cut-out device has operated and re-set as follows:

CAUTION When the thermal overload cut-out device has operated, investigate and correct the fault before the ride is returned to use.



4.25.1 Disconnect the machine from the electrical power supply

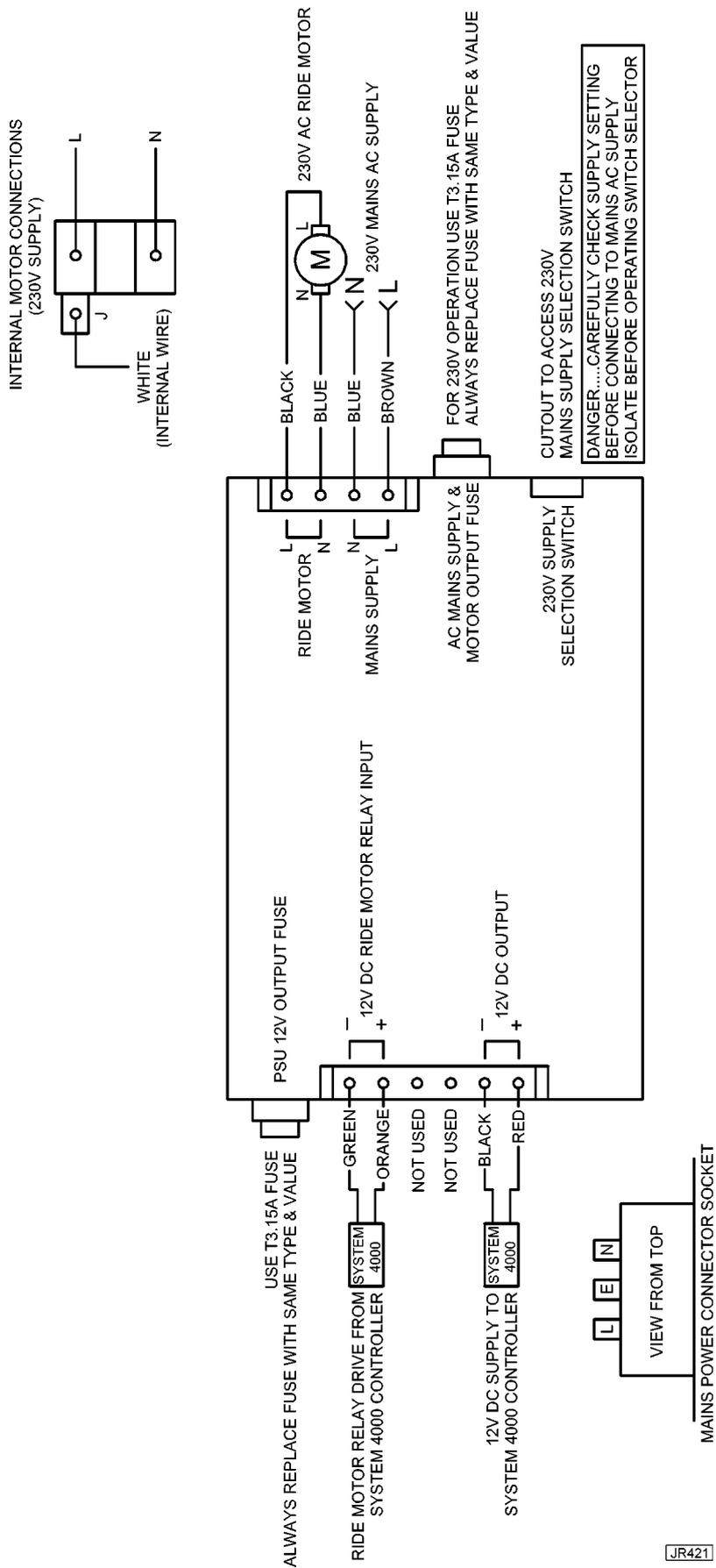
4.25.2 Remove the bottom cover from the machine (para 4.22).

4.24.3 Re-set the thermal overload cut-out button on the motor backplate.

4.25.4 Refit the bottom cover to the machine (para 4.22).

4.25.5 Connect the electrical power and test the ride.

JOLLY ROGER AMUSEMENT RIDES



JR421

Fig 2 Wiring diagram (rides with 230 Volts supply) - (System 4000)

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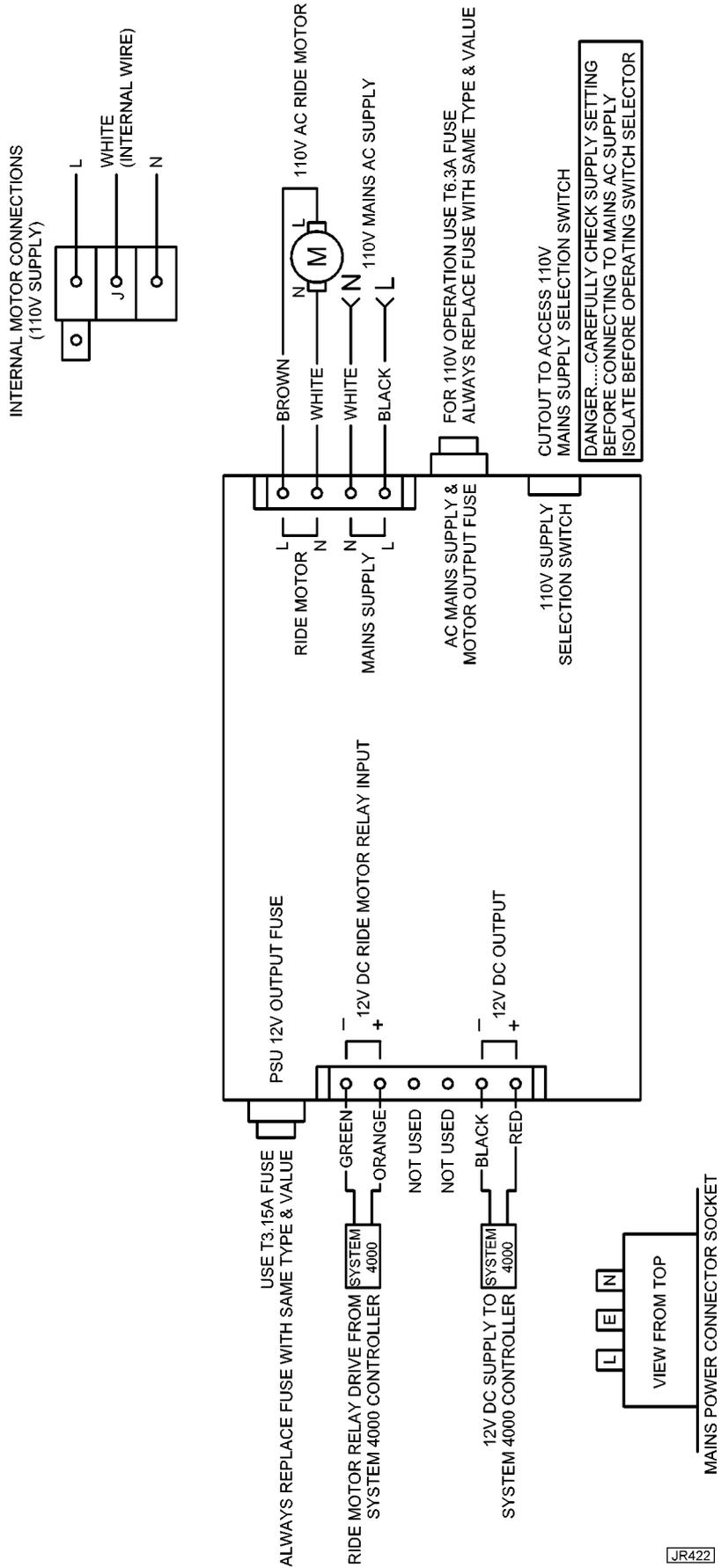
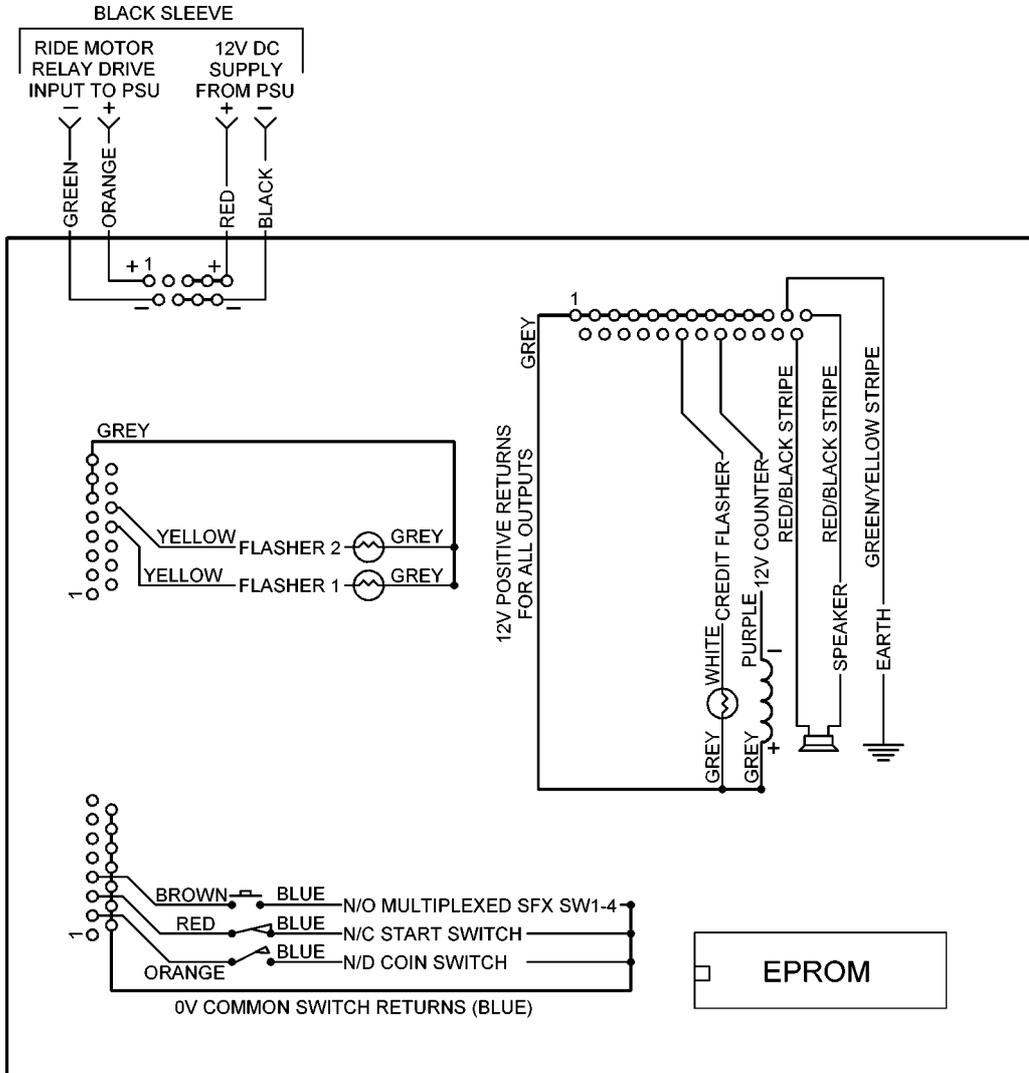


Fig 3 Wiring diagram (rides with the 110 Volts supply) - (System 4000)

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JR420

Fig 4 Wiring diagram cash box - Base to body loom connector (System 4000)

JOLLY ROGER AMUSEMENT RIDES

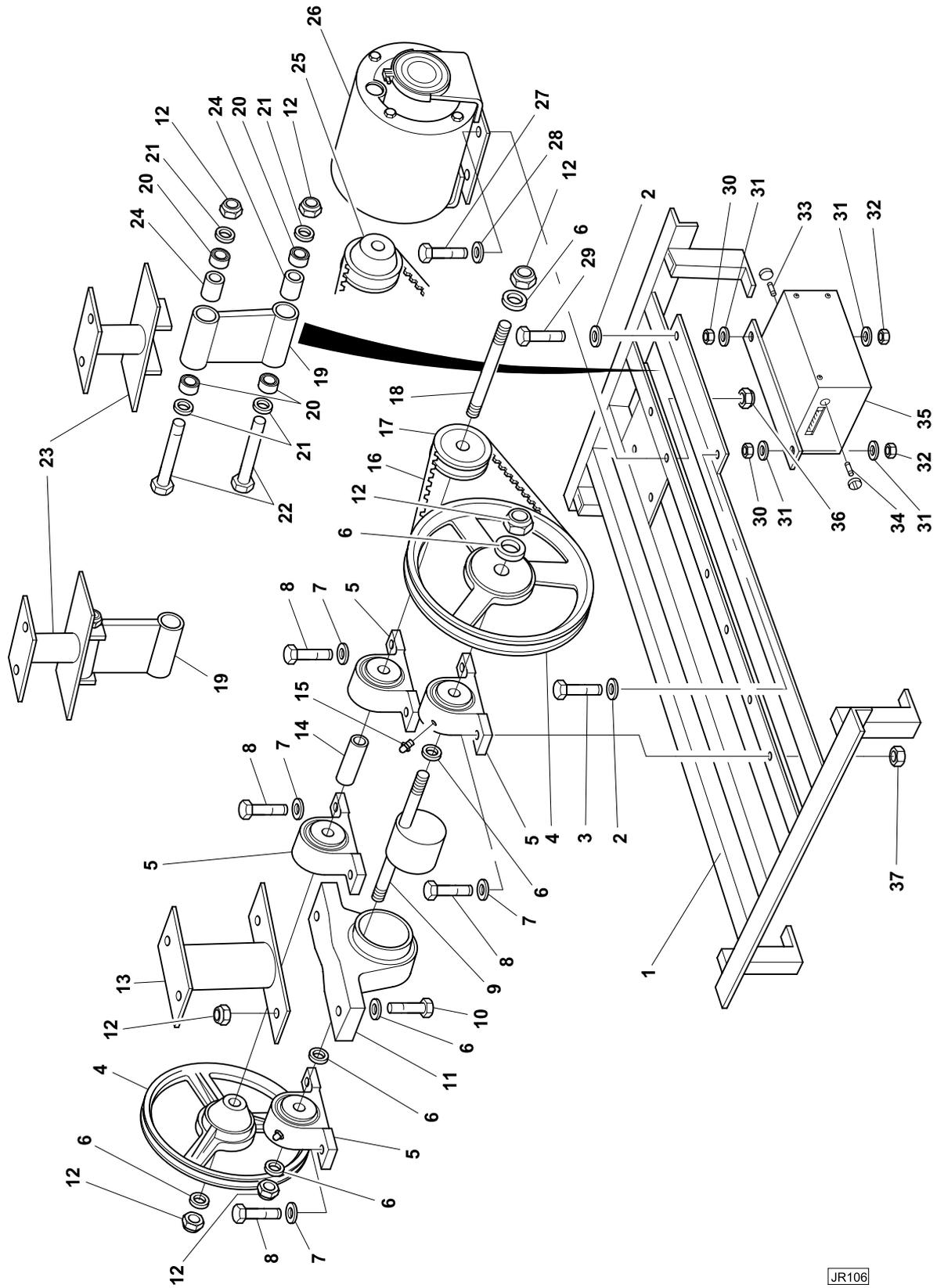
SPARE PARTS

1. The machine serial number (if given) on the reference plate must always be quoted.
2. Quote the full part number and description as set out in the list.
3. State precisely how parts are to be despatched.
Home: By post, carrier or road transport.
Overseas: By sea freight, airmail or air freight.
4. Keep orders separate from other correspondence.
5. Foreign orders must be sent through our accredited agent, an established London House, or accompanied by a remittance.
6. Replacement parts which are not of genuine Jolly Roger supply, cannot be relied upon to be to the correct specification, material or workmanship. Jolly Roger therefore cannot be expected to extend their Warranty to Kiddies Rides which have been fitted with parts which Jolly Roger has not supplied.
7. Jolly Roger reserve the right to make changes or improvements in the construction or specification of their products at any time.

Conditions of Business

1. Particulars given in this list are subject to withdrawal and alteration without notice.
2. All quotations are subject to confirmation before acceptance of order.
3. All goods are supplied on the conditions that Jolly Roger shall not be liable for any direct or consequential damage arising from delay in delivery or from defective material, other than is covered by our usual form of guarantee.
4. Whilst every effort is made to ensure the accuracy of the particulars contained in this book, modifications and specification changes to the Kiddies Ride are on-going. These may affect the information specified. No responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of information in this book not being in accord with modifications or Kiddies Ride specification changes which are subsequent to the date of this book. Also, no responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of any misinterpretation of the information specified in this parts book.

JOLLY ROGER AMUSEMENT RIDES



JR106

Fig 5 Chassis assembly

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Parts list - Chassis assembly

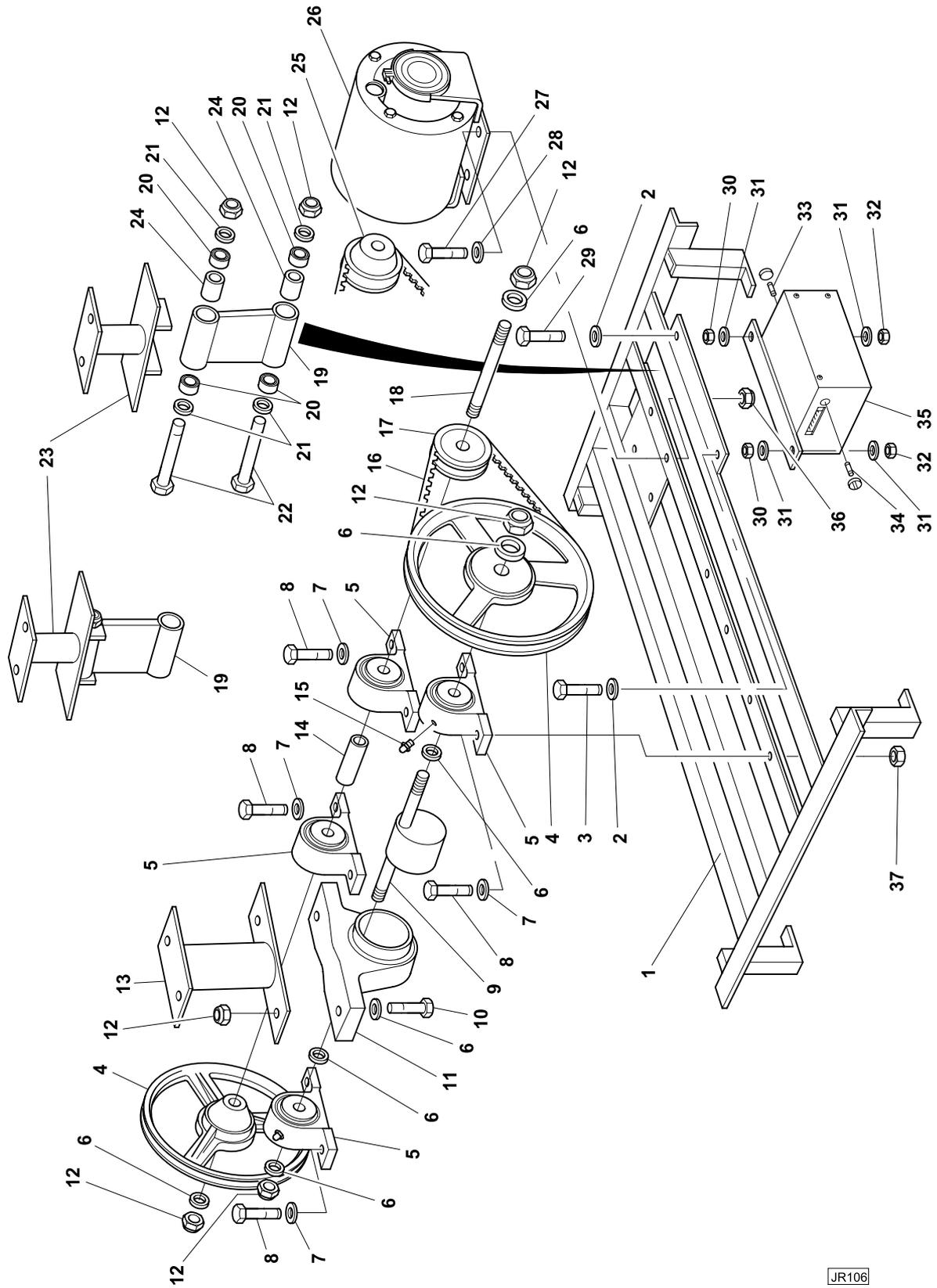
† Item not illustrated

Item No	Part No	Description	QTY
-	3000011	Chassis assembly, comprising:	-
1	3100002	Chassis	1
2	7600000	Washer, M6	2
3	7000203	Bolt, cap head, hexagon socket, M6 x 25	1
4	8000000	Pulley, 224 SPA x 12 mm x 1A	2
5	6000000	Housing, bearing assembly, NP12	4
6	7600300	Washer, M12	10
7	7600200	Washer, M10	8
8	7000604	Bolt, M10 x 35	8
9	8200000	Camshaft	1
10	7000707	Bolt, M12 x 50	2
11	6000001	Housing, bearing assembly, SL40	1
12	7700300	Nut, M12, Nyloc	6
13	3200002	Arm, top, front	1
14	9000003	Spacer, 89 mm long	1
15	9100000	Nipple, grease	5
16	8100000	Belt, vee, A 33 (A 870)	2
17	8000002	Pulley, 43 SPA x 12 mm x 1A	1
18	8210000	Countershaft	1
19	3200001	Arm, pivot	2
20	6100000	Bearing, 6001 ZZ	8
21	9050000	Shim, M12	8
22	7000900	Bolt, precision, M12 x 110	4
23	3200003	Arm, top, rear	2
24	9000002	Spacer, 60 mm long	4
25	8000001	Pulley, 43 SPA x 1/2 in x 1A	1

Cont.

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES



JR106

Fig 5 Chassis assembly (Continued)

JOLLY ROGER AMUSEMENT RIDES

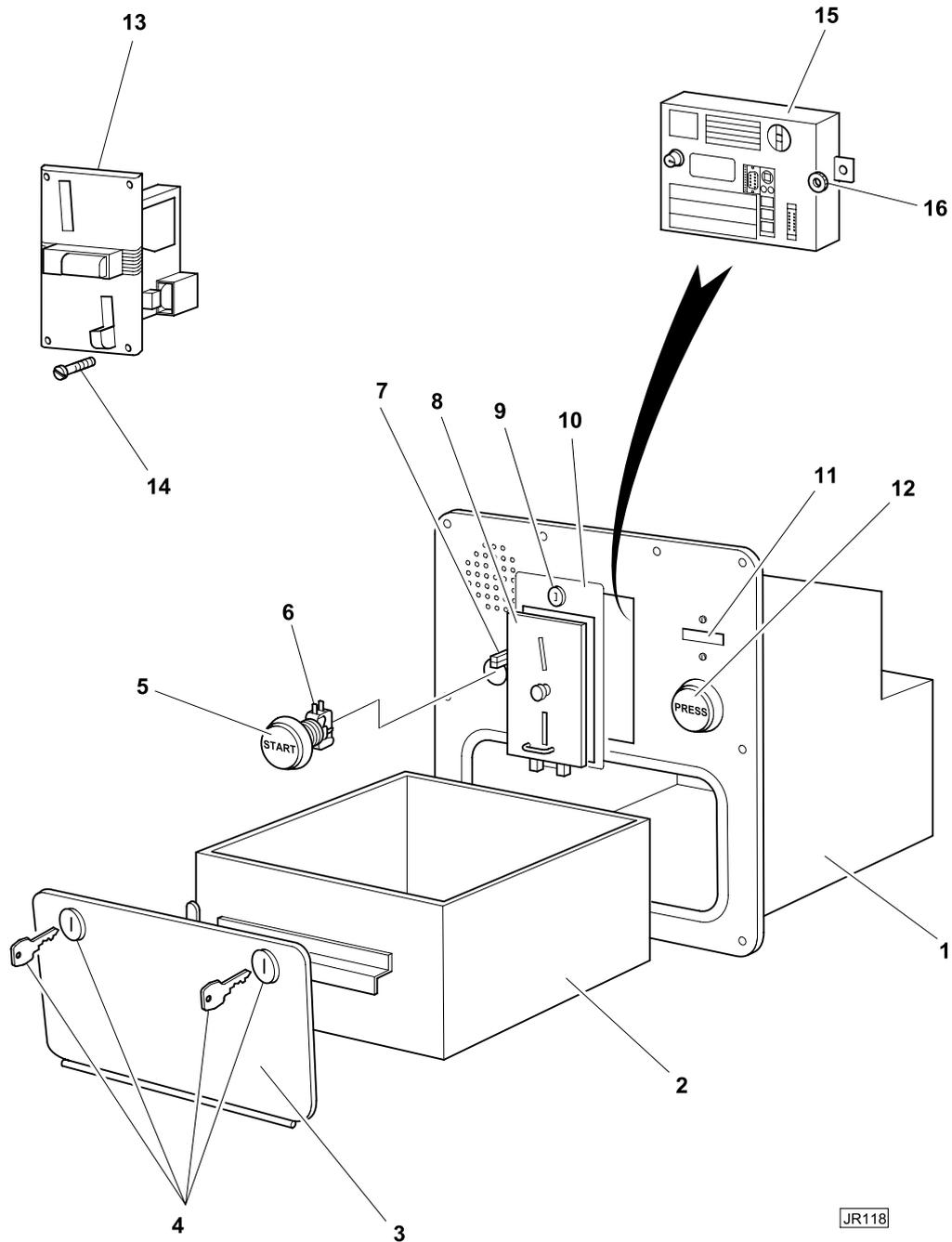
Parts list - Chassis assembly

† Item not illustrated

Item No	Part No	Description	QTY
Cont.			
-	3000011	Chassis assembly, comprising:	-
26	2000001	Motor, 220/240 volts 50 Hz	1
-	2000000	Motor, 110 volts 60 Hz (alternative)	1
27	7000503	Bolt, M8 x 25	4
28	7600100	Washer, M8	4
29	7000204	Bolt, cap head, hexagon socket, M6 x 30	8
30	7700001	Nut, M6	2
31	7600001	Washer, M6 x 25 dia	6
32	7700000	Nut, M6, nyloc	2
33	2400006	Fuse, output, 12 volt T5A	1
34	2400004	Fuse main, T3.15A	1
-	2400007	Fuse main, T6.3A (alternative for 110-120V 60Hz)	1
35	2100011	Power supply unit	1
36	7700100	Nut, M8, Nyloc	4
37	7700200	Nut, M10, Nyloc	8
-	† 5120001	Castor, 2 inch	2
-	† 1110047	Bottom cover moulding	1
-	† 7000503	Bolt, hexagon head M8 x 25 c/w washers and nut	4
-	† 2200003	Mains lead	1

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES



JR118

Fig 6 Coin collection assembly (System 4000)

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Parts list - Coin collection assembly (System 4000)

† Item not illustrated

Item No	Part No	Description	QTY
-	4000006	Coin collection assembly comprising:	-
1	4100020	Housing	1
2	4100001	Cash box	1
3	4100021	Door	1
4	9300006	Lock complete with keys	2
5	2520008	Switch, pushbutton, round, START, green	1
-	† 2920008	Bulb, 2.2 watt, wedge	1
6	2520010	Microswitch	1
7	2500000	Microswitch, coin acceptor	1
8	4200008	Coin acceptor	1
9	9300004	Lock complete with keys	1
10	4200009	Plate, coin acceptor	1
11	2100009	Counter, coin impulse (fitted internally)	1
12	2520009	Switch, pushbutton, round, PRESS, red	1
-	† 2920008	Bulb, 2.2 watt wedge	1
-	† 2520010	Microswitch	1
13	4200005	Coin acceptor, electronic assembly (optional) comprising:	1
-	† 4200006	Mechanism, electronic coin acceptor	1
-	† 4200007	Wiring loom, electronic coin acceptor	1
14	7200000	Screw, cap head, M4 x 20	4
15	2100012	Timer, System 4000	1
14	2100013	Nut, timer	2
-	† 2600000	Loudspeaker	1

Note: Refer to manufacturer when ordering items from this list.

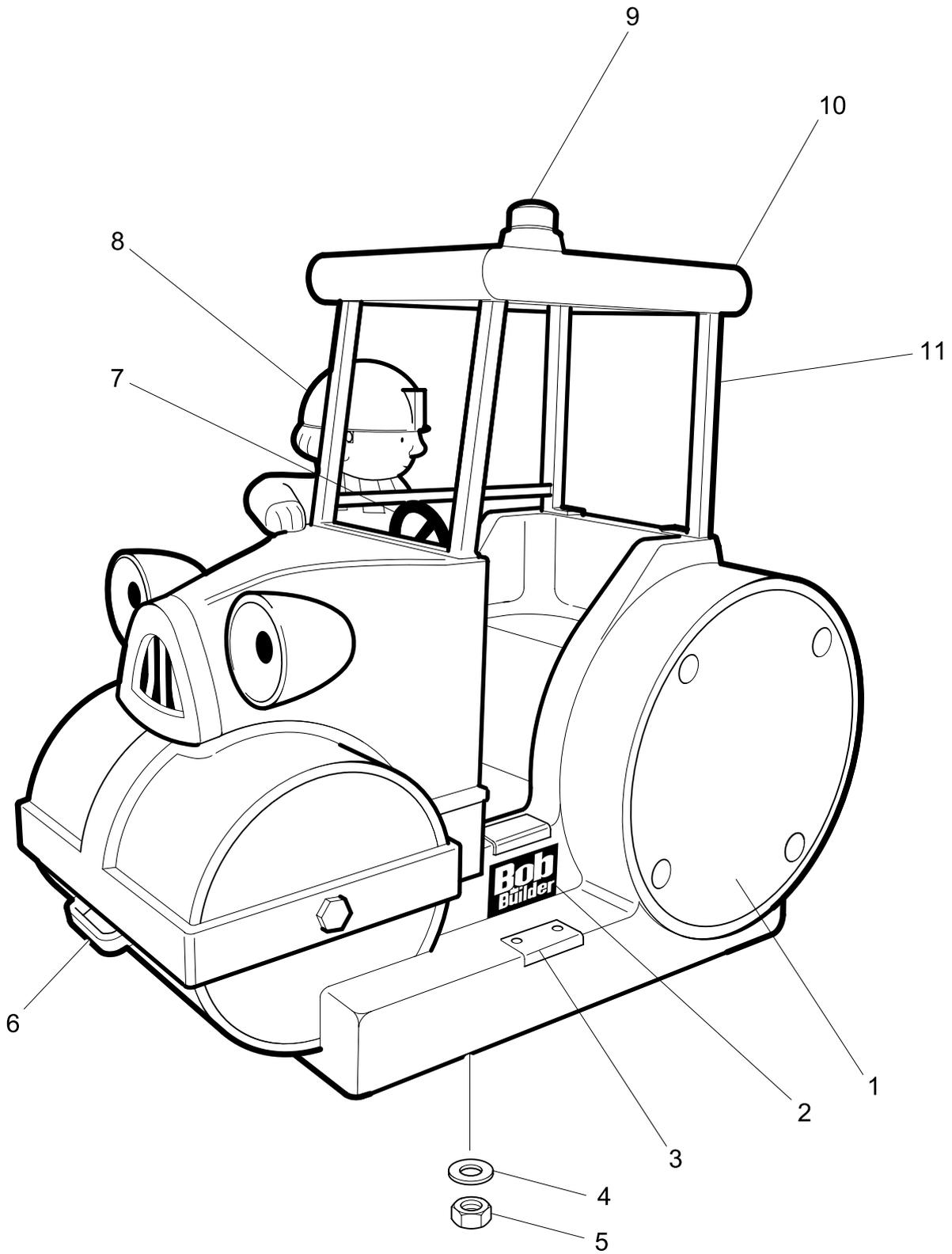


Fig 7 Bob the Builder (Roley) Body Shell Assembly

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Parts list - Bob the Builder (Roley) Body Shell Assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	1080061	Body shell assembly, comprising:	
1	1100062	Moulding, body	1
2	1700062	Decal set	1
3	1300001	Step, edge, 6 inch	2
4	7600200	Washer, M10	6
5	7700200	Nut, M19, Nyloc	6
6	1200002	Handle, small	1
7	5300001	Steering wheel, small	1
-	† 3600005	Bracket, steering wheel (modified)	1
-	† 7000715	Bolt, M12 x 90	1
-	† 7700302	Nut, M12 special	1
8	1110056	Moulding, figure	1
9	2900016	Lamp, type E, amber	1
	† 2900515	Lens, type E, amber	1
-	† 2920007	Bulb, 12 volt, 5 watt, dbc	AR
10	1110057	Moulding, cab roof	1
11	3300017	Frame, cab roof	1

Note: For coin acceptor and cash box details see coin collection assembly parts list

Note: Refer to manufacturer when ordering items from this list

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JOLLY ROGER AMUSEMENT RIDES

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with the BACTA Industry Standard, the HSE Fairgrounds and Amusement Parks A Code of Safe practice, the Health and Safety at Work Act 1974. (All applicable in the United Kingdom).

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with United States Standard ANSI/UL22 and Canadian C.S.A. Standard C22.2 No. 68.92 and in particular have carried out tests for Earth bonding and dielectric strength. The rides have also been tested and comply with requirements of FCC Part 15, Class A.

THIS CERTIFICATE DOES NOT EXONERATE THE OPERATOR FROM REGULAR CHECKING AND MAINTENANCE OF THE MACHINE TO WHICH IT APPLIES.

Jolly Roger (Amusement Rides) Ltd.
College View Works,
Manby Road,
Grimoldby,
Louth,
Lincolnshire,
England.
LN11 8HE

Telephone (01507) 328856 Telefax (01507) 327060

E-mail: sales@jolly-roger.co.uk

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Jolly Roger (Amusement Rides) Ltd.

College View Works,
Manby Road,
Grimoldby,
Louth,
Lincolnshire,
England. LN11 8HE

Telephone: + 44 (0)1507 328856
Fax: + 44 (0)1507 327060
E-mail: sales@jolly-roger.co.uk

EC DECLARATION OF CONFORMITY

(Revised 1st January 1997 and 1st September 2002)

Manufacturer: As above

Details of Electrical Equipment

Type No.: 2

Description: Coin-operated Childrens Ride

Directives this equipment complies with: Electrical Equipment (Safety) Regulations 1994, SI No3260 (Regulation 5. (1)).
Electromagnetic Compatability Directive 89/336/EEC
Low voltage directive 72/23/EEC (article 2) as amended by 93/68/EEC.

Harmonised standards applied in order to verify compliance with Directives: EN 50081-1:1992
EN 50082-1:1992
EN 60335-1:1994 inc. AMDS A11, A1, A12, A13, A14, A2, A15 and A16 - Safety of Household and Similar Electrical Appliance.
EN 55014-1: 1993 EN61000-3-2:1995 + A1: 1998 + A2: 1998
EN 61000-3-3: 1995 EN55014-2: 1997 Category 2
EN 60335-2-82: 2000 - Particular Requirements for Service Machines and Amusement Machines

Test Reported Issued by:	Notified / Competent Body	Report No.
D.J.Taylor	Intertek Testing Services	EM01005623 (A)
J.A.Bearpark	Inchcape Testing Services (U.K.) Ltd.	EM207110 Part A
T.Heathcote	Rowland Laboratories Ltd.	20584
A.Cuthbert	Intertek Testing Service	02007267/A

Year in which CE mark was affixed: 1996/7

Authorised Signatory:

Manufacturer

Date of Issue



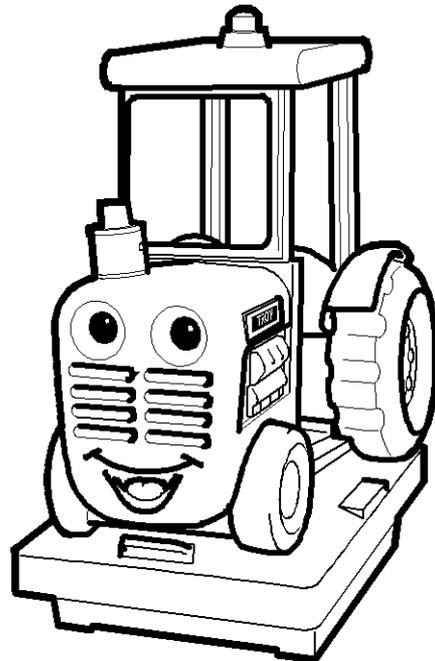
1st January 1997

Name: R.J.Newborough
Position: Managing Director

Place of Issue
Grimoldby, England

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TRACTOR HANDBOOK

System 4000

JR044a

April 2004

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Jolly Roger (Amusement Rides) Ltd. College View Works, Manby Road, Grimoldby, Louth, Lincolnshire, England. LN11 8HE.

Telephone: + 44 (0) 1507 328856

Fax: + 44 (0) 1507 327060

E-mail: sales@jolly-roger.co.uk

This handbook was prepared for Jolly Roger (Amusement Rides) Ltd
by
Bowne Global Solutions Ltd.,
Cophall Terrace,
Coventry,
United Kingdom
CV1 2FP

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

INTRODUCTION

Thank you for purchasing your new Kiddie Ride from Jolly Roger (Amusement Rides) Limited and we trust it will give many years of trouble-free profitable service.

Whilst this booklet has been produced primarily with our United Kingdom and European customers in mind, it will certainly be of benefit to other users worldwide.

Reference is made to the United Kingdom Health and Safety at Work Act - Code of Safe Practice at Fairs (which specifically includes coin operated Children's Rides), the Industry Standard for the construction, operation and use of coin-operated Children's Rides, and the EC Declaration of Conformity (CE Mark).

The Rides comply with United Kingdom and European Community regulations, and are ETL listed to comply with US Standard UL 22 covering Amusement Games and Canadian standard C22.2 No 68 covering motor operated appliances.

The rides are designed for intermittent use and the maximum anticipated duty cycle is 30 operations per hour.

The guidance given in this publication is relevant to the safe operation of children's rides wherever they may be operated.

WARNINGS & CAUTIONS

The international safety sign is used throughout this Handbook where specific safety precautions are detailed. The sign is positioned so that the precautions are readily identifiable.

WARNING

INTERNATIONAL SAFETY SIGN



WARNINGS

Warnings call attention to instructions, which must be followed precisely to avoid injury or death.

CAUTIONS

Cautions call attention to instructions, which must be followed precisely to avoid damaging the equipment.

JOLLY ROGER AMUSEMENT RIDES

HEALTH AND SAFETY - CODE OF SAFE PRACTICE AT FAIRS - INDUSTRY STANDARDS

(UNITED KINGDOM)

- 1.1 Our equipment has been manufactured to the highest standard of construction and safety in order to conform to the H.S.E. Fairground and Amusement Parks, A Code of Safe Practice and the U.K. Health and Safety at Work Act 1974.
- 1.2 This machine must be earthed. (CONNECTED TO GROUND)
- 1.3 If a 13 Amp BS1363 plug is fitted then a 5 amp fuse should be fitted. (UK only)
- 1.4 If the ride is to be situated outdoors, the socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a residual current circuit breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.
- 1.5 In addition to our manufacturer's test and the daily checks every ride shall be subject to a Thorough Examination by an appointed person once every period of 14 months. (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). The regulation applies in the UK only, however it is sound operating practice wherever a ride is operated.
- 1.6 The appointed person need not be independent, but should be at least 21 years old, registered under the Amusement Device Inspection Procedures Scheme (ADIPS) and be competent by such qualifications, knowledge, experience and supporting services to be able to make an assessment of the safety of the ride, including any associated equipment/parts e.g. electrical, hydraulic or pneumatic.
- 1.7 The appointed person should have the technical competence to recognise the significance of the effects of stresses, loadings and fatigue and also be competent to determine the extent of permissible wear.
- 1.8 The Thorough Examination is to be carried out by a registered body in accordance with the regulations laid down in the Health and Safety at Work Act 1974 (Fairgrounds and Amusements Parks-Guidance on Safe Practice, HSG 175). A Report of Inspection is to be completed after the Thorough Examination. (Applicable in UK only).
- 1.9 On completion of the Thorough Examination, a Declaration of Operational Compliance (DOC) certificate is to be issued which must be retained for a period of ten years and be available for inspection by the Health and Safety Inspectorate and/or the appropriate officer of the Environmental Health Department of a Local authority. (Applicable in UK only).

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

- 1.10 If considered necessary, further protection to the power supply may be afforded by conduit, trunking, or rubber protector strip with tapered edges and non-slip ribbed bases. Care is needed to avoid a tripping hazard.
- 1.11 The Kiddie Rides should be so sited that the length of cable between the ride and socket outlet is a minimum. For floor mounted socket outlets, the ride may be positioned so that there is virtually no exposed cable.
- 1.12 Galvanised steel braided armoured cable and flexible copper braided cable cannot be satisfactorily terminated in a 13 amp standard (BS 1363) plug. Such cables can be terminated in industrial type plugs BS 196 or BS 4343 or equivalent, but these require the special suitable sockets. (Applicable in UK only).

JOLLY ROGER AMUSEMENT RIDES

INSTALLATION

Siting

WARNING



IT IS NOT RECOMMENDED THAT THE RIDE BE SITED ON A PLINTH, PLATFORM OR ANY FORM OF MATTING. DOING THIS WILL INCREASE THE HEIGHT OF THE RIDE FROM THE GROUND AND MAY CAUSE INJURY FROM FALLING OR TRIPPING.

2.1 A common sense approach should be adopted when siting Kiddie Rides. The following items are an indication, but not exhaustive:

2.1.1 Position the Ride on a level surface.

2.1.2 Ensure there is adequate clearance all round the Ride to minimise the risk of injury to the passengers or public. If possible, a 1 metre clearance around the ride is recommended.

2.1.3 **DO NOT** obstruct emergency exits.

2.1.4 **DO NOT** obstruct fire appliances, hydrants etc.

2.1.5 If sited outside:

The socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a Residual Current Circuit Breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.

DO NOT operate in adverse weather conditions.

NOTE

This ride is considered suitable for outdoor protected locations i.e. under a canopy, or cover and not in a position where the ride could be exposed to direct rain or snow, or other adverse weather conditions.

2.1.6 **DO NOT** locate the ride directly against the plug, which should remain accessible at all times

2.1.7 The ride is not suitable for installation or operation in an area where a water jet could be used

CAUTION

For safety reasons the electrical wiring is colour coded as follows:



2.1.8 For rides with 220-240 volt electrical supply, the wiring colour codes are:

Brown - live
Green/Yellow-earth
Blue – neutral.

2.1.9 For rides with 110-120 volt electrical supply, the wiring colour codes are:

Black - live
Green - earth
White – neutral.

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

INSTALLATION

Site d'installation

ATTENTION  **IL N'EST PAS RECOMMANDE DE CONDUIRE SUR UNE PENTE, RAMPE OU AUTRE AFIN DE NE PAS ELEVER LA HAUTEUR DU VEHICULE ET NE PAS CAUSER DE BLESSURES EN RAISON DE RENVERSEMENT OU D'ACCROCHAGE.**

2.1 Faites appel à votre bon sens quand vous choisissez le site d'installation des manèges pour enfants. Les points suivants sont donnés à titre indicatif mais ne sont pas exhaustifs:

2.1.1 Placer le manège sur une surface nivelée.

2.1.2 S'assurer qu'il y a suffisamment d'espace tout autour du manège pour minimiser le risque de blessures pouvant être causées aux passagers ou au public. Si c'est possible, il est conseillé de laisser 1 mètre d'espace tout autour du manège.

2.1.3 **NE PAS** obstruer les sorties de secours.

2.1.4 **NE PAS** obstruer les bouches d'incendie et la voie de passage des voitures de pompiers.

2.1.5 Si le manège est situé à l'extérieur:

La fiche d'alimentation secteur devrait être branchée avec une prise mâle résistant aux intempéries et protégée en permanence par un disjoncteur de courant résiduel ou un disjoncteur différentiel ayant un taux de déclenchement ne dépassant pas 30 milliampères en 30 milli-secondes.

NE PAS faire fonctionner cette machine lors d'intempéries.

NOTE

On considère que ce manège est adapté à des endroits en plein air abrités, par exemple sous un toit, ou un abri et placé de sorte que le manège ne soit pas exposé directement à la pluie ou à la neige ou à d'autres intempéries.

2.1.6 **NE PAS** installer le manège directement contre la prise; cette dernière devrait toujours être accessible.

2.1.7 Il n'est pas convenable d'installer ou de faire marcher le manège dans un endroit où l'on pourrait utiliser des jets d'eau.

AVERTISSEMENT  **Pour des raisons de sécurité, le circuit électrique est repéré par couleurs comme indiqué ci-dessous:**

2.1.8. Pour les manèges alimentés en 220-240 volt, le circuit électrique est le suivant:

Marron : phase
Vert/Jaune : terre
Bleu : neutre.

2.1.9 Pour les manèges alimentés en 110-120 volt, le circuit électrique est le suivant:

Noir : phase
Vert : terre
Blanc : neutre.

ATTENTION  **TOUJOURS DEBRANCHER LA MACHINE DE L'ALIMENTATION SECTEUR AVANT D'EFFECTUER TOUTE REPARATION OU TOUTE VERIFICATION.**

JOLLY ROGER AMUSEMENT RIDES

OPERATION

General

3.1 A coin-operated Kiddie Ride should not be used unless a D.O.C. has been provided, indicating that the device is safe to operate (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). This regulation applies in the UK only.

JOLLY ROGER AMUSEMENT RIDES

MAINTENANCE

GENERAL

4.1 The rides do not require any periodic maintenance but, they should be checked regularly to ensure that they are in a safe condition for operation by the general public. In the unlikely event of the need to make adjustments or repairs to the machine, the following procedures are recommended.

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS OR COIN MECHANISMS.



Control unit

4.2 The control unit, which operates at 12 volts, is located at the back of the coin acceptor compartment. To remove/refit the control unit proceed as follows:

4.2.1 Remove the coin acceptor (para 4.3 or 4.4).

4.2.2 Remove the two thumb nuts located at each end of the unit.

4.2.3 The control unit may now be removed by pulling it forwards and withdrawing it through the coin acceptor aperture in the cash box assembly.

4.2.4 The mode of operation may now be altered by referring to the basic configuration, as printed on its enclosure, or by referring to the advanced configuration referred to at para 4.7.

4.2.5 Refit the unit by positioning it on the two locator bolts and gently pushing it back into place, ensuring that the plugs and sockets connect to each other.

4.2.6 Refit the two thumb nuts to ensure a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

Coin acceptor (mechanical)

4.3 To remove/refit the coin acceptor proceed as follows:

4.3.1 Remove the coin acceptor by turning the lock situated on the faceplate - the coin acceptor can now be removed from the machine and the wires pulled off the coin acceptor microswitch if desired.

NOTE

Ensure that the wires are reconnected on the correct terminals (C and NO).

4.3.2 To remove litter from the coin acceptor, slide off the spring clip on the top of the mechanism and remove side plate, then remove any litter or obstruction.

4.3.3 Refit the coin acceptor in reverse order to removal, ensuring that the pins on the main coin acceptor body locate in the dimples on the side plate.

4.3.4 Adjusting screws for coin diameter and thickness are also located on the side plate, these are factory set and should not normally require alteration.

JOLLY ROGER AMUSEMENT RIDES

Coin acceptor (electronic) MARS

4.4 To remove/refit the coin acceptor proceed as follows:

4.4.1 Remove the coin acceptor by turning the lock situated on the faceplate and disconnect the cable plug from the printed circuit board on the mechanism - the coin acceptor can now be removed from the machine.

4.4.2 To remove litter from the coin acceptor, pull the hinged side plate sideways and remove any litter or obstruction. Release hinged side plate.

4.4.3 Refit the coin acceptor in reverse order to removal, ensuring that the cable plug is reconnected to the printed circuit board on the mechanism.

WARNING NEVER REMOVE OR REPLACE AN ELECTRONIC MECHANISM WITH THE POWER SUPPLY SWITCHED ON.



Electronic coin mechanism MARS - switch positions

4.5 To inhibit coins:

With machine switched on:

4.5.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = ON.

4.5.2 Press reject button within 20 seconds of setting slide switches.

4.5.3 Insert all coins to be inhibited.

4.5.4 Press reject button within 20 seconds of inserting coins. Inhibited coins should now be rejected.

4.6 To re-enable inhibited coins:

With machine switched on:

4.6.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = OFF.

4.6.2 Press reject button within 20 seconds of setting slide switches.

4.6.3 Insert all coins to be re-enabled.

4.6.4 Press reject button within 20 seconds of inserting coins. Previously inhibited coins should now be accepted.

NOTE

Mechanism must be powered up before changing switch positions. Switch positions must be moved prior to attempting either of the above.

JOLLY ROGER AMUSEMENT RIDES

Stamar "Plug n Play" Kiddie Ride Controller Credit Programming Instructions

4.7 The "Plug n Play" Timer Unit can now be programmed "on-site" for any Credit functions as shown by the following instructions. This facility is incorporated on all software from JR TDv4 onwards

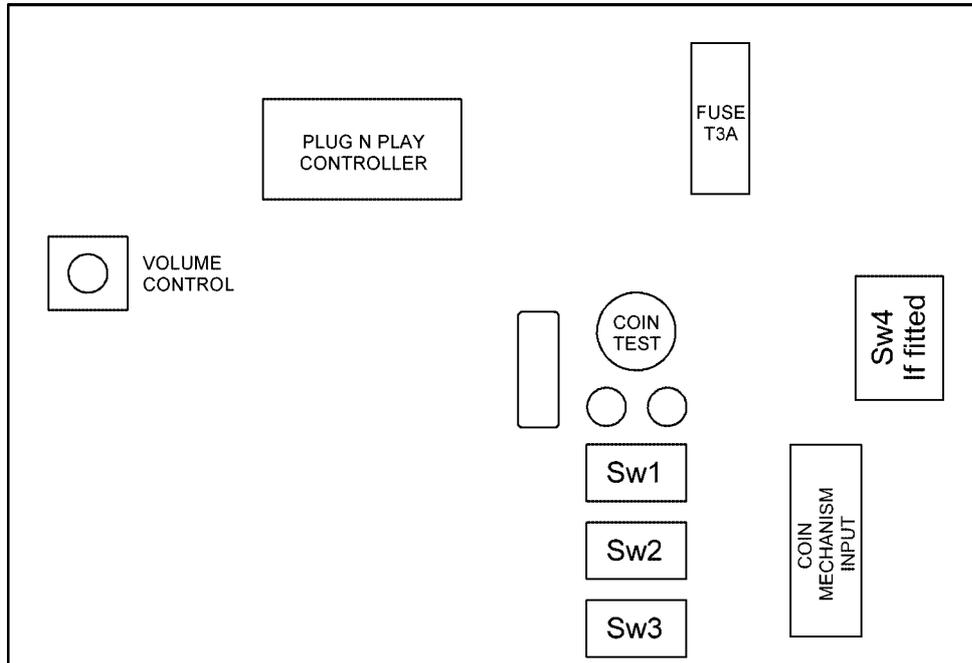


Fig 1 Programmable Control Unit

JR423

Credit Programming sequence

1. Turn Ride OFF
2. Make a note of the current SW1 settings
3. Set ALL SW1 switches to the OFF position
4. Turn the Ride ON
5. Enter coins to the value of the first Credit value
6. Press the Ride Start Switch for the number of rides required for this credit value
7. Insert coins for the next credit value required
8. Press the Ride Start Switch for the next number of rides required
9. Repeat this process until ALL credit values have been entered
10. Now PRESS and HOLD the Ride Start Switch until the voice prompt announces that the programming is completed, approximately 4-5 seconds
11. Turn the Ride OFF
12. Set ALL SW1 switches to the ON position
13. The new Credit Program is now installed
14. If at any time during the process, you wish to cancel the programming function, simply turn the Ride OFF and re-set the original SW1 positions. This will restore the previous credit program

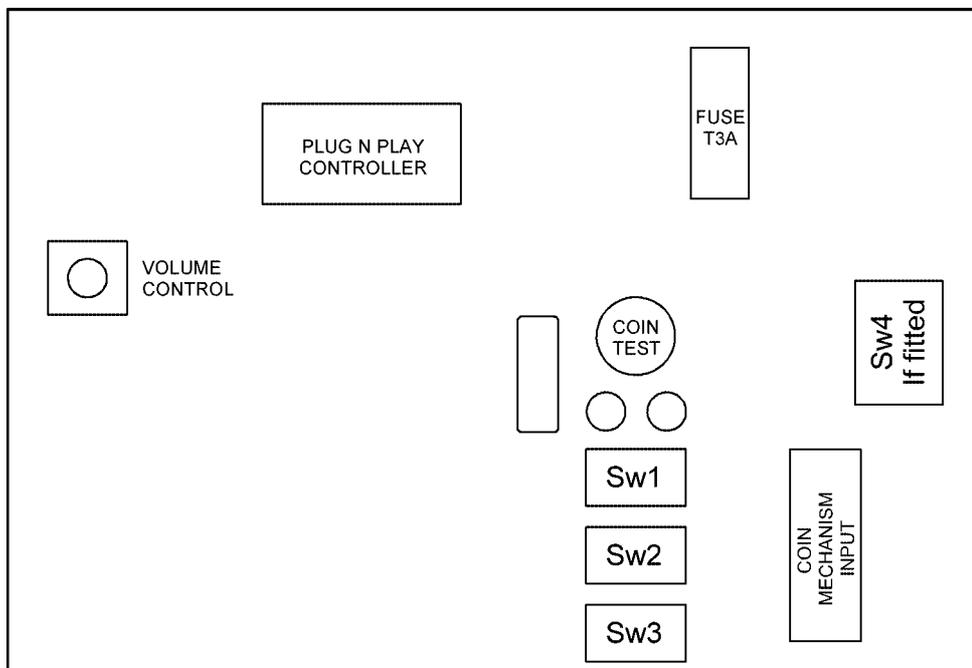
JOLLY ROGER AMUSEMENT RIDES

Stamar "Plug n Play" Kiddie Ride Controller Configuration Instructions

4.8 The new "Plug n Play" programmable control unit has four externally accessible DIL switches, SW1, SW2, SW3 and SW4, which are used to select the most popular modes of operation.

NOTES

1. It is advisable to remove the control unit from the ride as this will assist viewing the switches and referring to these instructions. The control unit can be easily "unplugged" from the ride **AFTER POWER TO THE RIDE HAS BEEN SWITCHED OFF** and the two mounting bolts have been removed.
2. All alterations to these switches should only be made after power to the ride has been turned off as this will avoid any unintentional damage to the control unit and/or the ride.



JR423

Fig 1 Programmable Control Unit

JOLLY ROGER AMUSEMENT RIDES

SW1 sets the Price of Play value or Credit Program Options.

4.9 The SW1 switch is used to set price at play value or credit program options.

NOTES

1. The setting for **either** “price of play” **or** “credits” on SW1 as shown below are selected using **SW3/S4** as shown in SW3 settings below.

i.e. SW3/S4 must be set to On if “Price of Play” options are required.

SW3/S4 must be set to Off if “Credit Programs” are required.

2. The **Price of Play** refers to multiples of the **Base Coinage** that the coin mechanism has been programmed to accept:

- UK Mechanism. The mechanism is programmed for a 10p base and gives play values from 10p (min) to £2.00 (max).
- USA Mechanism. The mechanism is programmed for a 25c base and gives play values from 25c (min) to \$3.75 (max).

SW1

S1	S2	S3	S4	Price Of Play Selected	Or	Pre - Programmed Credit Options Available							
on	off	off	off	1 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">30 P 1 RIDE</td> <td style="width: 25%;">50 P 2 RIDES</td> <td style="width: 25%;">£1 5 RIDES</td> <td style="width: 25%;"></td> </tr> </table>	30 P 1 RIDE	50 P 2 RIDES	£1 5 RIDES				
30 P 1 RIDE	50 P 2 RIDES	£1 5 RIDES											
off	on	off	off	2 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">20 P 1 RIDE</td> <td style="width: 25%;">50 P 3 RIDES</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>	20 P 1 RIDE	50 P 3 RIDES					
20 P 1 RIDE	50 P 3 RIDES												
on	on	off	off	3 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">40 P 1 RIDE</td> <td style="width: 25%;">£1 3 RIDES</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>	40 P 1 RIDE	£1 3 RIDES					
40 P 1 RIDE	£1 3 RIDES												
off	off	on	off	4 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">50 P 1 RIDE</td> <td style="width: 25%;">£1 3 RIDES</td> <td style="width: 25%;">£2 6 RIDES</td> <td style="width: 25%;"></td> </tr> </table>	50 P 1 RIDE	£1 3 RIDES	£2 6 RIDES				
50 P 1 RIDE	£1 3 RIDES	£2 6 RIDES											
on	off	on	off	5 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">60 P 1 RIDE</td> <td style="width: 25%;">£1 2 RIDES</td> <td style="width: 25%;">£2 5 RIDES</td> <td style="width: 25%;"></td> </tr> </table>	60 P 1 RIDE	£1 2 RIDES	£2 5 RIDES				
60 P 1 RIDE	£1 2 RIDES	£2 5 RIDES											
off	on	on	off	6 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">10 P 1 RIDE</td> <td style="width: 25%;">30 P 4 RIDES</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>	10 P 1 RIDE	30 P 4 RIDES					
10 P 1 RIDE	30 P 4 RIDES												
on	on	on	off	7 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">£1 1 RIDE</td> <td style="width: 25%;">£2 3 RIDES</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>	£1 1 RIDE	£2 3 RIDES					
£1 1 RIDE	£2 3 RIDES												
off	off	off	on	8 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">£2 1 RIDE</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>	£2 1 RIDE						
£2 1 RIDE													
on	off	off	on	9 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">20 P 1 RIDE</td> <td style="width: 25%;">40 P 3 RIDES</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>	20 P 1 RIDE	40 P 3 RIDES					
20 P 1 RIDE	40 P 3 RIDES												
off	on	off	on	10 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">10 P 1 RIDE</td> <td style="width: 25%;">20 P 3 RIDES</td> <td colspan="2" style="width: 50%; text-align: center;">Available on JRTDv3 software onwards 01/05/2001</td> </tr> </table>	10 P 1 RIDE	20 P 3 RIDES	Available on JRTDv3 software onwards 01/05/2001				
10 P 1 RIDE	20 P 3 RIDES	Available on JRTDv3 software onwards 01/05/2001											
on	on	off	on	11 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">60p 1 RIDE</td> <td style="width: 25%;">£1 2 RIDES</td> <td style="width: 25%;">£2 4 RIDES</td> <td rowspan="2" style="width: 25%; text-align: center;">Available on JRTDv4 software onwards 01/05/2002</td> </tr> <tr> <td>70p 1 RIDE</td> <td>£1 2 RIDES</td> <td>£2 4 RIDES</td> </tr> </table>	60p 1 RIDE	£1 2 RIDES	£2 4 RIDES	Available on JRTDv4 software onwards 01/05/2002	70p 1 RIDE	£1 2 RIDES	£2 4 RIDES
60p 1 RIDE	£1 2 RIDES	£2 4 RIDES	Available on JRTDv4 software onwards 01/05/2002										
70p 1 RIDE	£1 2 RIDES	£2 4 RIDES											
off	off	on	on	12 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>							
on	off	on	on	13 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>							
off	on	on	on	14 Coin	Or	Free Play For Exhibition Or Test Use							
on	on	on	on	15 Coin	Or	Programmable By User							
off	off	off	off	User on site Programming Mode		Available on JRTDv4 software onwards							

JOLLY ROGER AMUSEMENT RIDES

Ride time

4.10 SW2 is used to set the ride time. The ride time can be set from 30 seconds to 120 seconds in 15 second increments or to run for as long as the main background soundtrack.

SW2

Ride Time	S1	S2	S3	S4
30 secs	off	off	off	OFF
45 secs	on	off	off	OFF
60 secs	off	on	off	OFF
75 secs	on	on	off	OFF
90 secs	off	off	on	OFF
105 secs	on	off	on	OFF
120 secs	off	on	on	OFF
Ride time set to soundtrack	on	on	on	OFF

NOTE

S4 is used for a diagnostic test sequence during manufacture and under normal operating conditions is not used and must be set to the **OFF** position.

Additional ride features

4.11 SW3 selects additional ride features.

SW3

	S1	S2	S3	S4
Prompt phrases On/Off	On/Off	x	x	x
Attract sounds On/Off	x	On/Off	x	x
Count no. of Rides	x	x	On	x
Count No. of Coins (coin mech. Base coin value)	x	x	Off	x
Select <i>Price of Play</i> options	x	x	x	On
Select <i>Credit Program</i> options	x	x	x	Off

JOLLY ROGER AMUSEMENT RIDES

Ride flasher options

4.12 SW4 selects the ride flasher options (if fitted).

SW4

	S1	S2	S3	S4
1 Channel flasher output	Off	Off	x	OFF
2 Channel running flasher outputs	On	Off	x	OFF
3 Channel running flasher outputs	Off	On	x	OFF
4 Channel running flasher outputs	On	On	x	OFF
Standard flasher speed	x	x	Off	OFF
Fast flasher speed	x	x	On	OFF

NOTE

S4 is used to select "Program Mode" and under normal operating conditions is not to be used and must be set to the **OFF** position. "Program Mode" should only be used by experienced operators familiar with the extended programming sequence, or under direct instruction from Jolly Roger (Amusement Rides) Ltd., or Stamar Electronics.

Volume adjustment

4.13 Access to the volume control knob is gained by removing the coin mechanism (para 4.3 or 4.4) and is adjusted by turning the control knob on the timer which is located on the back wall of the compartment.

Access to other components

4.14 Access to the Power supply unit (PSU), main fuses and other components on the chassis is gained by removing the bottom cover (para 4.22).

Drive belt adjustment

4.15 The "final drive" belt is adjusted by loosening the four bolts holding the camshaft bearings and sliding the whole assembly to adjust.

NOTE

This belt should run tight.

4.16 The "countershaft" belt is adjusted by loosening the four bolts holding the motor and sliding the motor to adjust.

NOTE

This belt should run quite loose.

4.17 Both belts are correctly tensioned during manufacture and should not require adjustment.

Bearings

4.18 All bearings are greased for life and should normally not be re-packed with grease. However, in certain circumstances the bearings may require lubrication. If this situation arises, apply grease sparingly.

JOLLY ROGER AMUSEMENT RIDES

Fuses

4.19 Fuses are located in the side of the PSU. Never replace fuses with a higher value than recommended.

Body and other mouldings

4.20 Clean with damp cloth rinsed out in soapy water, do not hose down or flood the machine. Alternatively, a proprietary household furniture cleaner may be used.

Removal of body shell

NOTE

Refer to Figure 7 in Spare Parts section for item numbers.

4.21 To remove the body shell

4.21.1 Remove the six bolts, nuts (Fig 7 item 8) and washers (Fig 7 item 7) situated under the body shell, which attach the body to the chassis.

4.21.2 Disconnect the electrical wiring underneath the body shell by undoing the plug and socket connector.

4.21.3 Remove body shell.

Removal of bottom cover

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



4.22 To remove the bottom cover proceed as follows

CAUTION Care is to be taken when carrying out step 4.22.1



4.22.1 Turn ride on to its side.

4.22.2 Remove the four hexagon retaining screws that secure the bottom cover.

4.22.3 Refit in reverse order to the removal.

Daily checks

4.23 A check of each coin-operated Kiddie Ride should, whenever reasonably practical, be carried out each day before it is made available for the public. The following checks are recommended: -

4.23.1 Check that the mains plug is undamaged and securely attached to the mains cable.

4.23.2 Check that the mains cable is undamaged.

4.23.3 Check that there are no broken or damaged parts of the ride that may cause injury.

4.23.4 Check that all guards are in place thus preventing any access to the mechanism.

4.23.5 Apply pressure to the ride to ensure that it is firmly secured to the base stem and check that all advisory literature is in place.

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4.23.6 Ensure the area around the ride is free from obstruction and that persons passing by are not in any danger.

4.23.7 The ride should be kept clean and free from any customised additions unless approved by the manufacturer.

4.24 If as a result of the above visual checks any doubt arises, then the company, supplier or person responsible for the ride should be notified immediately.

Motor

The motor is fitted with a manual re-set thermal overload cut-out device in accordance with UL requirements.

4.25 When the motor does not operate, check if the thermal overload cut-out device has operated and re-set as follows:

CAUTION When the thermal overload cut-out device has operated, investigate and correct the fault before the ride is returned to use.



4.25.1 Disconnect the machine from the electrical power supply

4.25.2 Remove the bottom cover from the machine (para 4.22).

4.24.3 Re-set the thermal overload cut-out button on the motor backplate.

4.25.4 Refit the bottom cover to the machine (para 4.22).

4.25.5 Connect the electrical power and test the ride.

JOLLY ROGER AMUSEMENT RIDES

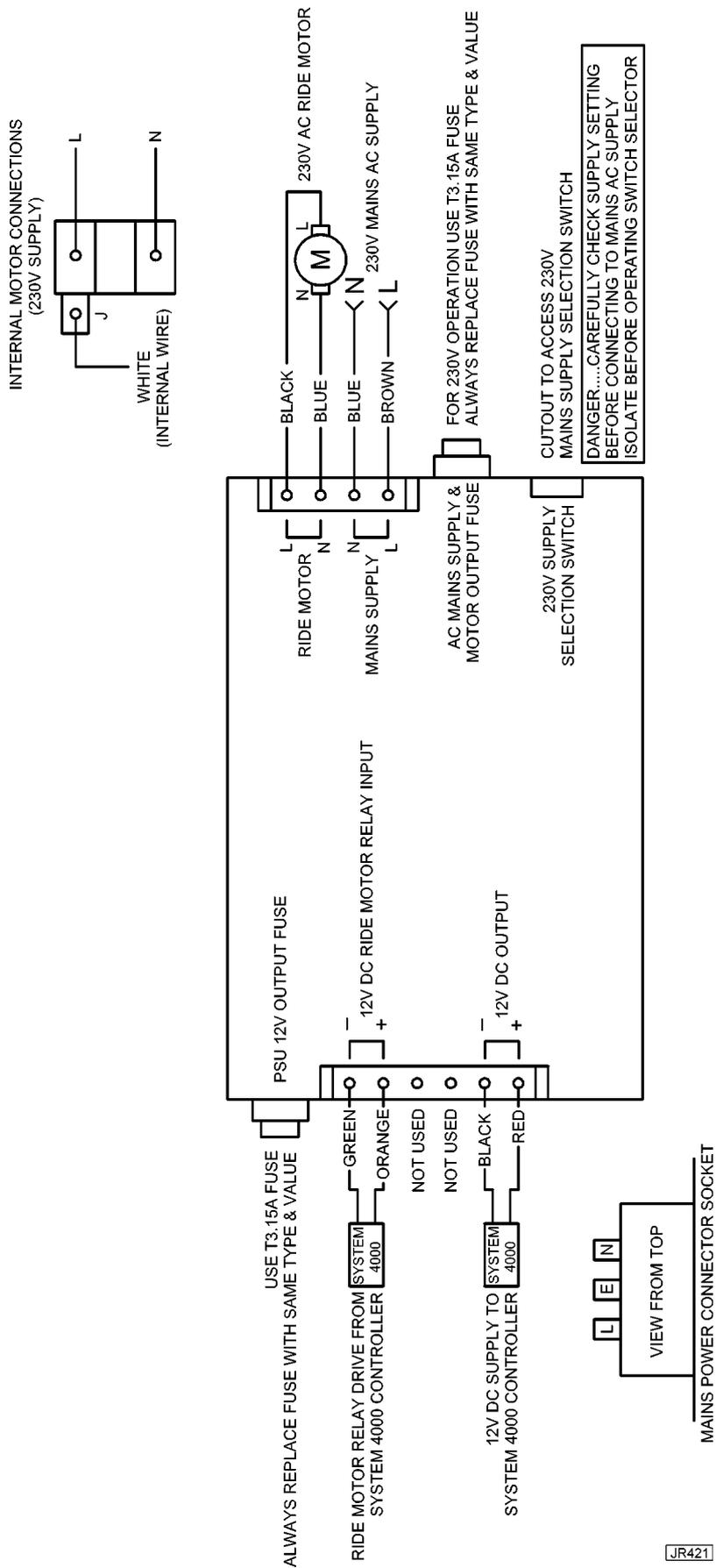


Fig 2 Wiring diagram (rides with 230 Volts supply) - (System 4000)

JOLLY ROGER AMUSEMENT RIDES

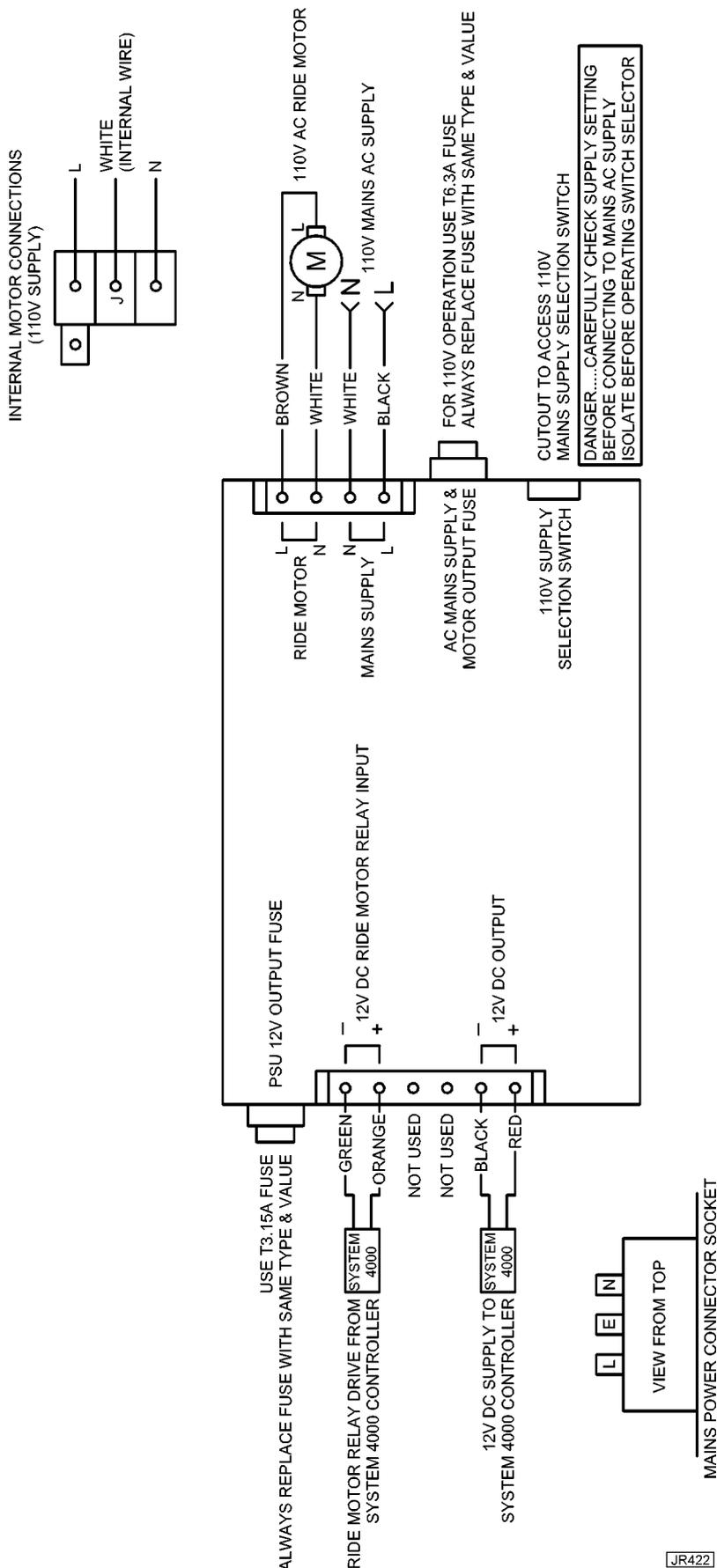
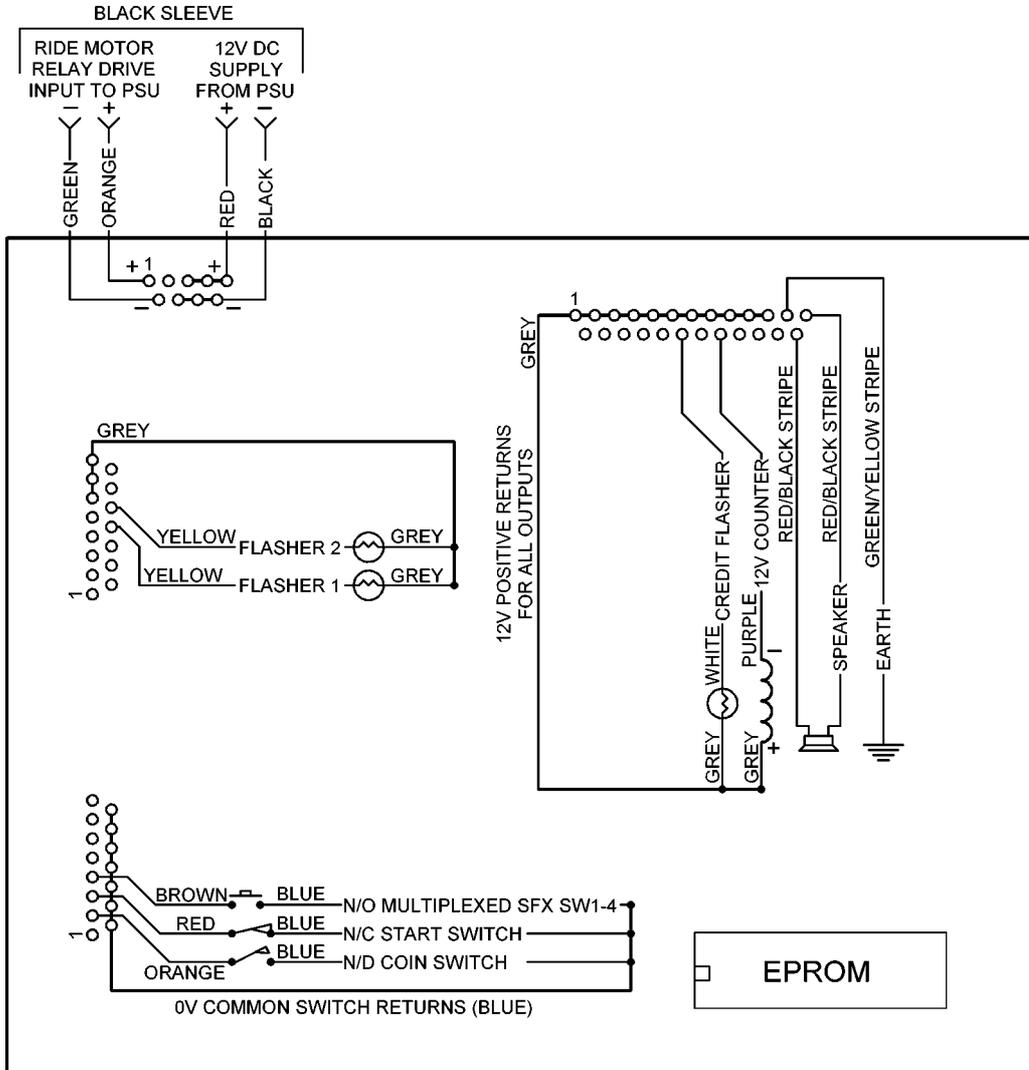


Fig 3 Wiring diagram (rides with the 110 Volts supply) - (System 4000)

JOLLY ROGER AMUSEMENT RIDES



JR420

Fig 4 Wiring diagram cash box - Base to body loom connector (System 4000)

JOLLY ROGER AMUSEMENT RIDES

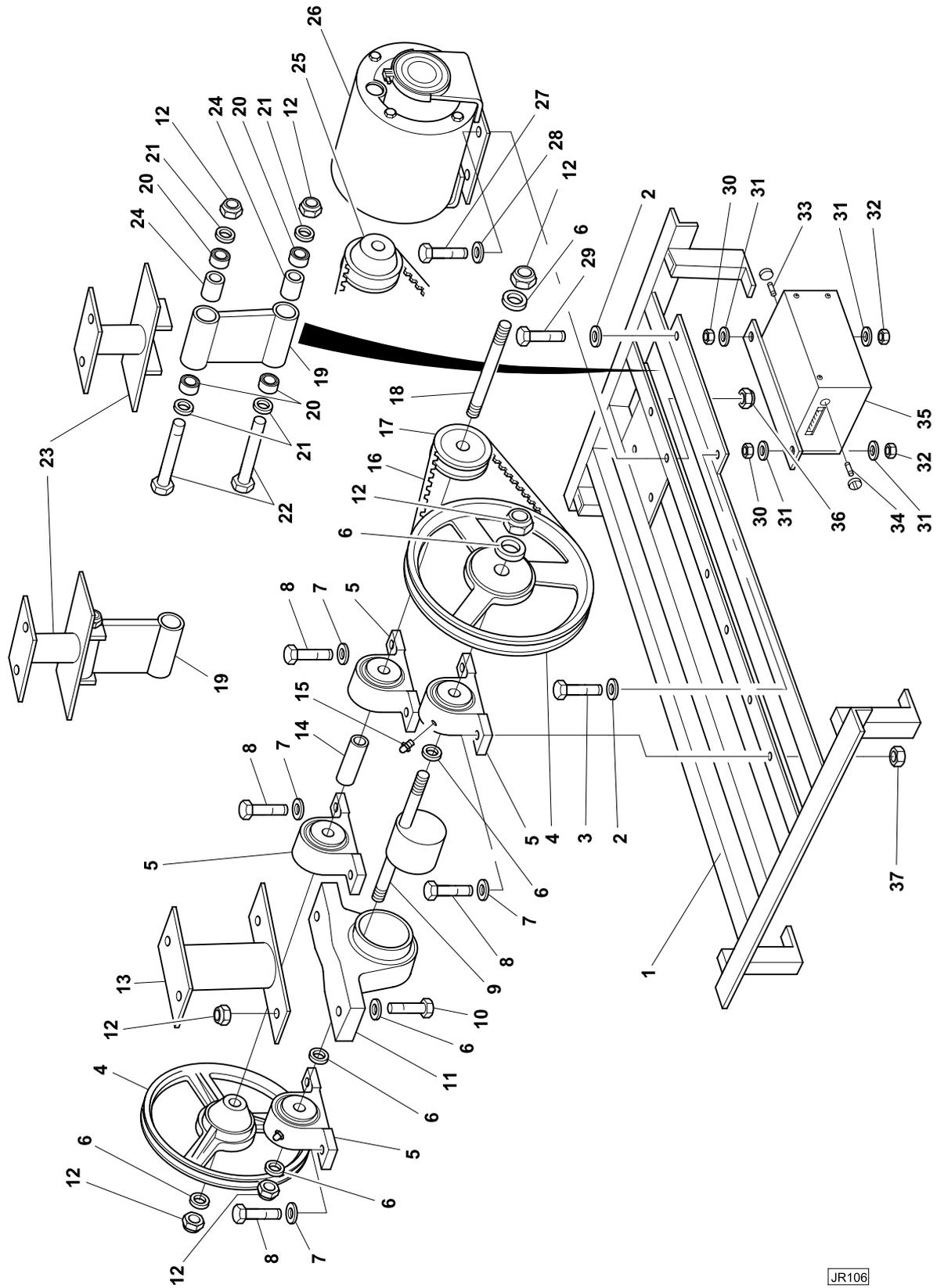
SPARE PARTS

1. The machine serial number (if given) on the reference plate must always be quoted.
2. Quote the full part number and description as set out in the list.
3. State precisely how parts are to be despatched.
Home: By post, carrier or road transport.
Overseas: By sea freight, airmail or air freight.
4. Keep orders separate from other correspondence.
5. Foreign orders must be sent through our accredited agent, an established London House, or accompanied by a remittance.
6. Replacement parts which are not of genuine Jolly Roger supply, cannot be relied upon to be to the correct specification, material or workmanship. Jolly Roger therefore cannot be expected to extend their Warranty to Kiddies Rides which have been fitted with parts which Jolly Roger has not supplied.
7. Jolly Roger reserve the right to make changes or improvements in the construction or specification of their products at any time.

Conditions of Business

1. Particulars given in this list are subject to withdrawal and alteration without notice.
2. All quotations are subject to confirmation before acceptance of order.
3. All goods are supplied on the conditions that Jolly Roger shall not be liable for any direct or consequential damage arising from delay in delivery or from defective material, other than is covered by our usual form of guarantee.
4. Whilst every effort is made to ensure the accuracy of the particulars contained in this book, modifications and specification changes to the Kiddies Ride are on-going. These may affect the information specified. No responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of information in this book not being in accord with modifications or Kiddies Ride specification changes which are subsequent to the date of this book. Also, no responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of any misinterpretation of the information specified in this parts book.

JOLLY ROGER AMUSEMENT RIDES



JR106

Fig 5 Chassis assembly

JOLLY ROGER AMUSEMENT RIDES

Parts list - Chassis assembly

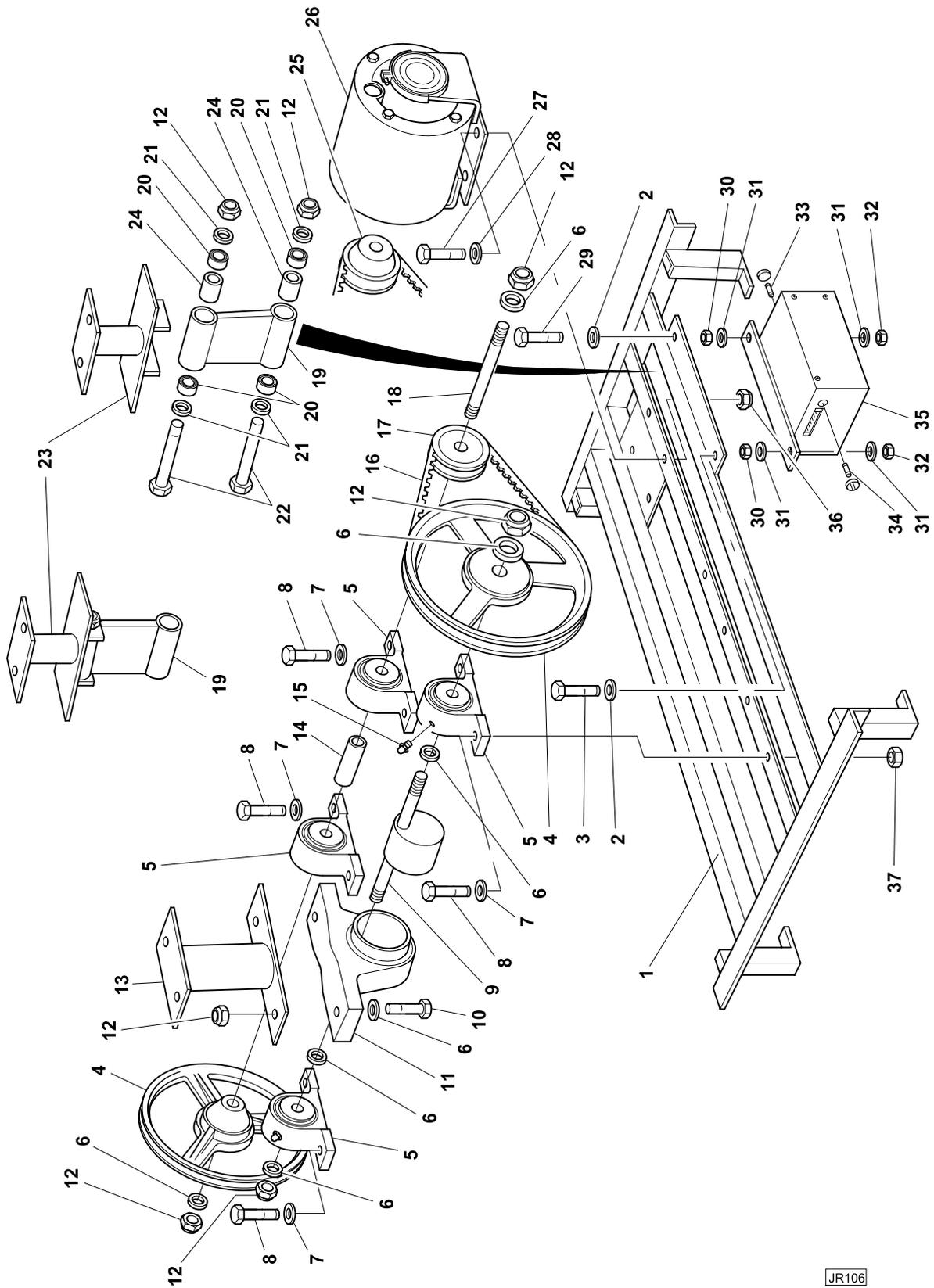
† Item not illustrated

Item No	Part No	Description	QTY
-	3000011	Chassis assembly, comprising:	-
1	3100002	Chassis	1
2	7600000	Washer, M6	2
3	7000203	Bolt, cap head, hexagon socket, M6 x 25	1
4	8000000	Pulley, 224 SPA x 12 mm x 1A	2
5	6000000	Housing, bearing assembly, NP12	4
6	7600300	Washer, M12	10
7	7600200	Washer, M10	8
8	7000604	Bolt, M10 x 35	8
9	8200000	Camshaft	1
10	7000707	Bolt, M12 x 50	2
11	6000001	Housing, bearing assembly, SL40	1
12	7700300	Nut, M12, Nyloc	6
13	3200002	Arm, top, front	1
14	9000003	Spacer, 89 mm long	1
15	9100000	Nipple, grease	5
16	8100000	Belt, vee, A 33 (A 870)	2
17	8000002	Pulley, 43 SPA x 12 mm x 1A	1
18	8210000	Countershaft	1
19	3200001	Arm, pivot	2
20	6100000	Bearing, 6001 ZZ	8
21	9050000	Shim, M12	8
22	7000900	Bolt, precision, M12 x 110	4
23	3200003	Arm, top, rear	2
24	9000002	Spacer, 60 mm long	4
25	8000001	Pulley, 43 SPA x 1/2 in x 1A	1

Cont.

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES



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Fig 5 Chassis assembly (Continued)

JOLLY ROGER AMUSEMENT RIDES

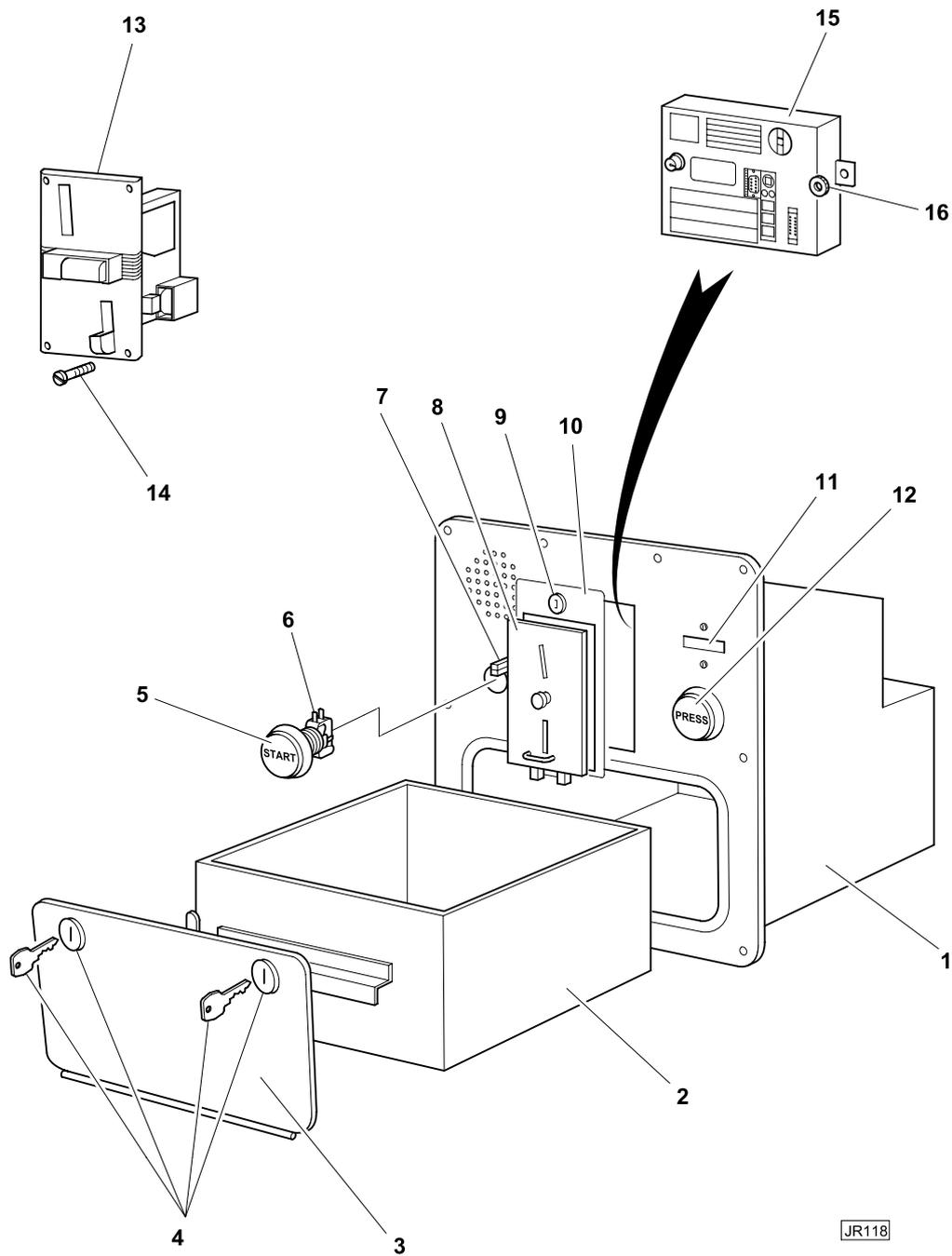
Parts list - Chassis assembly

† Item not illustrated

Item No	Part No	Description	QTY
Cont.			
-	3000011	Chassis assembly, comprising:	-
26	2000001	Motor, 220/240 volts 50 Hz	1
-	2000000	Motor, 110 volts 60 Hz (alternative)	1
27	7000503	Bolt, M8 x 25	4
28	7600100	Washer, M8	4
29	7000204	Bolt, cap head, hexagon socket, M6 x 30	8
30	7700001	Nut, M6	2
31	7600001	Washer, M6 x 25 dia	6
32	7700000	Nut, M6, nyloc	2
33	2400006	Fuse, output, 12 volt T5A	1
34	2400004	Fuse main, T3.15A	1
-	2400007	Fuse main, T6.3A (alternative for 110-120V 60Hz)	1
35	2100011	Power supply unit	1
36	7700100	Nut, M8, Nyloc	4
37	7700200	Nut, M10, Nyloc	8
-	† 5120001	Castor, 2 inch	2
-	† 1110047	Bottom cover moulding	1
-	† 7000503	Bolt, hexagon head M8 x 25 c/w washers and nut	4
-	† 2200003	Mains lead	1

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES



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Fig 6 Coin collection assembly (System 4000)

JOLLY ROGER AMUSEMENT RIDES

Parts list - Coin collection assembly (System 4000)

† Item not illustrated

Item No	Part No	Description	QTY
-	4000006	Coin collection assembly comprising:	-
1	4100020	Housing	1
2	4100001	Cash box	1
3	4100021	Door	1
4	9300006	Lock complete with keys	2
5	2520008	Switch, pushbutton, round, START, green	1
-	† 2920008	Bulb, 2.2 watt, wedge	1
6	2520010	Microswitch	1
7	2500000	Microswitch, coin acceptor	1
8	4200008	Coin acceptor	1
9	9300004	Lock complete with keys	1
10	4200009	Plate, coin acceptor	1
11	2100009	Counter, coin impulse (fitted internally)	1
12	2520009	Switch, pushbutton, round, PRESS, red	1
-	† 2920008	Bulb, 2.2 watt wedge	1
-	† 2520010	Microswitch	1
13	4200005	Coin acceptor, electronic assembly (optional) comprising:	1
-	† 4200006	Mechanism, electronic coin acceptor	1
-	† 4200007	Wiring loom, electronic coin acceptor	1
14	7200000	Screw, cap head, M4 x 20	4
15	2100012	Timer, System 4000	1
14	2100013	Nut, timer	2
-	† 2600000	Loudspeaker	1

Note: Refer to manufacturer when ordering items from this list.

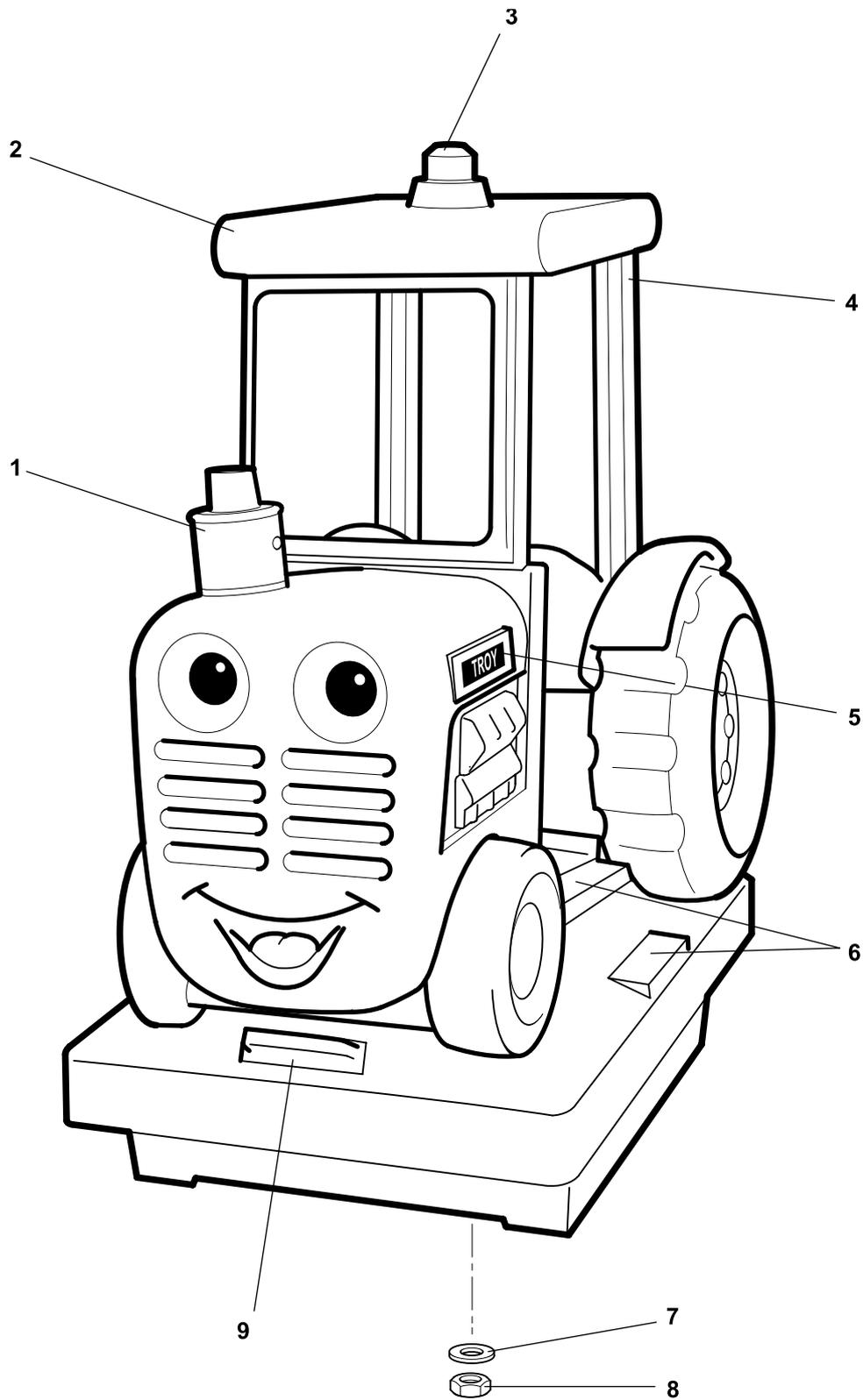


Fig 7 Tractor Body Shell Assembly

JOLLY ROGER AMUSEMENT RIDES

Parts list - Tractor body shell assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	1080065	Body shell assembly, comprising:	-
1	11000645	Moulding, body	1
2	1110071	Moulding, Roof	1
3	2900016	Lamp, type E, Amber	2
-	† 2920007	Bulb, 12 volt, 5 watt, scc	AR
-	† 2920515	Lamp, lens type E, Amber	1
4	3300018	Frame, Cab roof	1
5	1700064	Decal, set, Troy	1
6	1300001	Step, edge, 6 inch	2
7	7600200	Washer, M10	6
8	7700200	Nut, M10, Nyloc	6
	† 7000602	Bolt, M10 x 25, Hexagon head	6
9	1200002	Handle, small	1
-	† 5300001	Steering wheel, small	1
-	† 3600005	Bracket, steering wheel	1
-	† 1300070	Foot tread	1

Note: For coin acceptor and cash box details see coin collection assembly parts list

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with the BACTA Industry Standard, the HSE Fairgrounds and Amusement Parks A Code of Safe practice, the Health and Safety at Work Act 1974. (All applicable in the United Kingdom).

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with United States Standard ANSI/UL22 and Canadian C.S.A. Standard C22.2 No. 68.92 and in particular have carried out tests for Earth bonding and dielectric strength. The rides have also been tested and comply with requirements of FCC Part 15, Class A.

THIS CERTIFICATE DOES NOT EXONERATE THE OPERATOR FROM REGULAR CHECKING AND MAINTENANCE OF THE MACHINE TO WHICH IT APPLIES.

Jolly Roger (Amusement Rides) Ltd.
College View Works,
Manby Road,
Grimoldby, Louth,
Lincolnshire,
England. LN11 8HE

Telephone (01507) 328856 Telefax (01507) 327060

E-mail: sales@jolly-roger.co.uk

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JOLLY ROGER AMUSEMENT RIDES

Jolly Roger (Amusement Rides) Ltd.

College View Works,
Manby Road,
Grimoldby,
Louth,
Lincolnshire,
England. LN11 8HE

Telephone: + 44 (0)1507 328856
Fax: + 44 (0)1507 327060
E-mail: sales@jolly-roger.co.uk

EC DECLARATION OF CONFORMITY (Revised 1st January 1997 and 1st September 2002)

Manufacturer: As above

Details of Electrical Equipment

Type No.: 2

Description: Coin-operated Childrens Ride

Directives this equipment complies with: Electrical Equipment (Safety) Regulations 1994, SI No3260 (Regulation 5. (1)).
Electromagnetic Compatability Directive 89/336/EEC
Low voltage directive 72/23/EEC (article 2) as amended by 93/68/EEC.

Harmonised standards applied in order to verify compliance with Directives: EN 50081-1:1992
EN 50082-1:1992
EN 60335-1:1994 inc. AMDS A11, A1, A12, A13, A14, A2, A15 and A16 - Safety of Household and Similar Electrical Appliance.
EN 55014-1: 1993 EN61000-3-2:1995 + A1: 1998 + A2: 1998
EN 61000-3-3: 1995 EN55014-2: 1997 Category 2
EN 60335-2-82: 2000 - Particular Requirements for Service Machines and Amusement Machines

Test Reported Issued by:	Notified / Competent Body	Report No.
D.J.Taylor	Intertek Testing Services	EM01005623 (A)
J.A.Bearpark	Inchcape Testing Services (U.K.) Ltd.	EM207110 Part A
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Authorised Signatory:

Manufacturer



Date of Issue

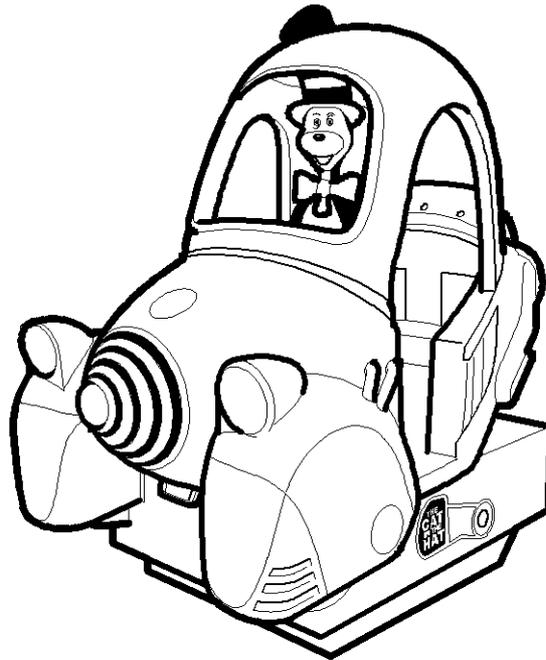
1st January 1997

Name: R.J.Newborough
Position: Managing Director

Place of Issue
Grimoldby, England

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THE CAT IN THE HAT
HANDBOOK

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System 4000

R045

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JOLLY ROGER (Amusement Rides) Ltd reserves the right to make changes, for the purpose of product improvement, at any time.

Jolly Roger (Amusement Rides) Ltd. College View Works, Manby Road, Grimoldby, Louth, Lincolnshire, England. LN11 8HE.

Telephone: + 44 (0) 1507 328856

Fax: + 44 (0) 1507 327060

E-mail: sales@jolly-roger.co.uk

This handbook was prepared for Jolly Roger (Amusement Rides) Ltd
by
Bowne Global Solutions Ltd.,
Cophall Terrace,
Coventry,
United Kingdom
CV1 2FP

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

INTRODUCTION

Thank you for purchasing your new Kiddie Ride from Jolly Roger (Amusement Rides) Limited and we trust it will give many years of trouble-free profitable service.

Whilst this booklet has been produced primarily with our United Kingdom and European customers in mind, it will certainly be of benefit to other users worldwide.

Reference is made to the United Kingdom Health and Safety at Work Act - Code of Safe Practice at Fairs (which specifically includes coin operated Children's Rides), the Industry Standard for the construction, operation and use of coin-operated Children's Rides, and the EC Declaration of Conformity (CE Mark).

The Rides comply with United Kingdom and European Community regulations, and are ETL listed to comply with US Standard UL 22 covering Amusement Games and Canadian standard C22.2 No 68 covering motor operated appliances.

The rides are designed for intermittent use and the maximum anticipated duty cycle is 30 operations per hour.

The guidance given in this publication is relevant to the safe operation of children's rides wherever they may be operated.

WARNINGS & CAUTIONS

The international safety sign is used throughout this Handbook where specific safety precautions are detailed. The sign is positioned so that the precautions are readily identifiable.

WARNING

INTERNATIONAL SAFETY SIGN



WARNINGS

Warnings call attention to instructions, which must be followed precisely to avoid injury or death.

CAUTIONS

Cautions call attention to instructions, which must be followed precisely to avoid damaging the equipment.

JOLLY ROGER AMUSEMENT RIDES

HEALTH AND SAFETY - CODE OF SAFE PRACTICE AT FAIRS - INDUSTRY STANDARDS

(UNITED KINGDOM)

- 1.1 Our equipment has been manufactured to the highest standard of construction and safety in order to conform to the H.S.E. Fairground and Amusement Parks, A Code of Safe Practice and the U.K. Health and Safety at Work Act 1974.
- 1.2 This machine must be earthed. (CONNECTED TO GROUND)
- 1.3 If a 13 Amp BS1363 plug is fitted then a 5 amp fuse should be fitted. (UK only)
- 1.4 If the ride is to be situated outdoors, the socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a residual current circuit breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.
- 1.5 In addition to our manufacturer's test and the daily checks every ride shall be subject to a Thorough Examination by an appointed person once every period of 14 months. (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). The regulation applies in the UK only, however it is sound operating practice wherever a ride is operated.
- 1.6 The appointed person need not be independent, but should be at least 21 years old, registered under the Amusement Device Inspection Procedures Scheme (ADIPS) and be competent by such qualifications, knowledge, experience and supporting services to be able to make an assessment of the safety of the ride, including any associated equipment/parts e.g. electrical, hydraulic or pneumatic.
- 1.7 The appointed person should have the technical competence to recognise the significance of the effects of stresses, loadings and fatigue and also be competent to determine the extent of permissible wear.
- 1.8 The Thorough Examination is to be carried out by a registered body in accordance with the regulations laid down in the Health and Safety at Work Act 1974 (Fairgrounds and Amusements Parks-Guidance on Safe Practice, HSG 175). A Report of Inspection is to be completed after the Thorough Examination. (Applicable in UK only).
- 1.9 On completion of the Thorough Examination, a Declaration of Operational Compliance (DOC) certificate is to be issued which must be retained for a period of ten years and be available for inspection by the Health and Safety Inspectorate and/or the appropriate officer of the Environmental Health Department of a Local authority. (Applicable in UK only).

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



- 1.10 If considered necessary, further protection to the power supply may be afforded by conduit, trunking, or rubber protector strip with tapered edges and non-slip ribbed bases. Care is needed to avoid a tripping hazard.
- 1.11 The Kiddie Rides should be so sited that the length of cable between the ride and socket outlet is a minimum. For floor mounted socket outlets, the ride may be positioned so that there is virtually no exposed cable.
- 1.12 Galvanised steel braided armoured cable and flexible copper braided cable cannot be satisfactorily terminated in a 13 amp standard (BS 1363) plug. Such cables can be terminated in industrial type plugs BS 196 or BS 4343 or equivalent, but these require the special suitable sockets. (Applicable in UK only).

JOLLY ROGER AMUSEMENT RIDES

INSTALLATION

Siting

WARNING



IT IS NOT RECOMMENDED THAT THE RIDE BE SITED ON A PLINTH, PLATFORM OR ANY FORM OF MATTING. DOING THIS WILL INCREASE THE HEIGHT OF THE RIDE FROM THE GROUND AND MAY CAUSE INJURY FROM FALLING OR TRIPPING.

2.1 A common sense approach should be adopted when siting Kiddie Rides. The following items are an indication, but not exhaustive:

2.1.1 Position the Ride on a level surface.

2.1.2 Ensure there is adequate clearance all round the Ride to minimise the risk of injury to the passengers or public. If possible, a 1 metre clearance around the ride is recommended.

2.1.3 **DO NOT** obstruct emergency exits.

2.1.4 **DO NOT** obstruct fire appliances, hydrants etc.

2.1.5 If sited outside:

The socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a Residual Current Circuit Breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.

DO NOT operate in adverse weather conditions.

NOTE

This ride is considered suitable for outdoor protected locations i.e. under a canopy, or cover and not in a position where the ride could be exposed to direct rain or snow, or other adverse weather conditions.

2.1.6 **DO NOT** locate the ride directly against the plug, which should remain accessible at all times

2.1.7 The ride is not suitable for installation or operation in an area where a water jet could be used

CAUTION

For safety reasons the electrical wiring is colour coded as follows:



2.1.8 For rides with 220-240 volt electrical supply, the wiring colour codes are:

Brown - live
Green/Yellow-earth
Blue – neutral.

2.1.9 For rides with 110-120 volt electrical supply, the wiring colour codes are:

Black - live
Green - earth
White – neutral.

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

INSTALLATION

Site d'installation

ATTENTION  **IL N'EST PAS RECOMMANDE DE CONDUIRE SUR UNE PENTE, RAMPE OU AUTRE AFIN DE NE PAS ELEVER LA HAUTEUR DU VEHICULE ET NE PAS CAUSER DE BLESSURES EN RAISON DE RENVERSEMENT OU D'ACCROCHAGE.**

2.1 Faites appel à votre bon sens quand vous choisissez le site d'installation des manèges pour enfants. Les points suivants sont donnés à titre indicatif mais ne sont pas exhaustifs:

2.1.1 Placer le manège sur une surface nivelée.

2.1.2 S'assurer qu'il y a suffisamment d'espace tout autour du manège pour minimiser le risque de blessures pouvant être causées aux passagers ou au public. Si c'est possible, il est conseillé de laisser 1 mètre d'espace tout autour du manège.

2.1.3 **NE PAS** obstruer les sorties de secours.

2.1.4 **NE PAS** obstruer les bouches d'incendie et la voie de passage des voitures de pompiers.

2.1.5 Si le manège est situé à l'extérieur:

La fiche d'alimentation secteur devrait être branchée avec une prise mâle résistant aux intempéries et protégée en permanence par un disjoncteur de courant résiduel ou un disjoncteur différentiel ayant un taux de déclenchement ne dépassant pas 30 milliampères en 30 milli-secondes.

NE PAS faire fonctionner cette machine lors d'intempéries.

NOTE

On considère que ce manège est adapté à des endroits en plein air abrités, par exemple sous un toit, ou un abri et placé de sorte que le manège ne soit pas exposé directement à la pluie ou à la neige ou à d'autres intempéries.

2.1.6 **NE PAS** installer le manège directement contre la prise; cette dernière devrait toujours être accessible.

2.1.7 Il n'est pas convenable d'installer ou de faire marcher le manège dans un endroit où l'on pourrait utiliser des jets d'eau.

AVERTISSEMENT  **Pour des raisons de sécurité, le circuit électrique est repéré par couleurs comme indiqué ci-dessous:**

2.1.8. Pour les manèges alimentés en 220-240 volt, le circuit électrique est le suivant:

Marron : phase
Vert/Jaune : terre
Bleu : neutre.

2.1.9 Pour les manèges alimentés en 110-120 volt, le circuit électrique est le suivant:

Noir : phase
Vert : terre
Blanc : neutre.

ATTENTION  **TOUJOURS DEBRANCHER LA MACHINE DE L'ALIMENTATION SECTEUR AVANT D'EFFECTUER TOUTE REPARATION OU TOUTE VERIFICATION.**

JOLLY ROGER AMUSEMENT RIDES

OPERATION

General

3.1 A coin-operated Kiddie Ride should not be used unless a D.O.C. has been provided, indicating that the device is safe to operate (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). This regulation applies in the UK only.

JOLLY ROGER AMUSEMENT RIDES

MAINTENANCE

GENERAL

4.1 The rides do not require any periodic maintenance but, they should be checked regularly to ensure that they are in a safe condition for operation by the general public. In the unlikely event of the need to make adjustments or repairs to the machine, the following procedures are recommended.

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS OR COIN MECHANISMS.



Control unit

4.2 The control unit, which operates at 12 volts, is located at the back of the coin acceptor compartment. To remove/refit the control unit proceed as follows:

4.2.1 Remove the coin acceptor (para 4.3 or 4.4).

4.2.2 Remove the two thumb nuts located at each end of the unit.

4.2.3 The control unit may now be removed by pulling it forwards and withdrawing it through the coin acceptor aperture in the cash box assembly.

4.2.4 The mode of operation may now be altered by referring to the basic configuration, as printed on its enclosure, or by referring to the advanced configuration referred to at para 4.7.

4.2.5 Refit the unit by positioning it on the two locator bolts and gently pushing it back into place, ensuring that the plugs and sockets connect to each other.

4.2.6 Refit the two thumb nuts to ensure a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

Coin acceptor (mechanical)

4.3 To remove/refit the coin acceptor proceed as follows:

4.3.1 Remove the coin acceptor by turning the lock situated on the faceplate - the coin acceptor can now be removed from the machine and the wires pulled off the coin acceptor microswitch if desired.

NOTE

Ensure that the wires are reconnected on the correct terminals (C and NO).

4.3.2 To remove litter from the coin acceptor, slide off the spring clip on the top of the mechanism and remove side plate, then remove any litter or obstruction.

4.3.3 Refit the coin acceptor in reverse order to removal, ensuring that the pins on the main coin acceptor body locate in the dimples on the side plate.

4.3.4 Adjusting screws for coin diameter and thickness are also located on the side plate, these are factory set and should not normally require alteration.

JOLLY ROGER AMUSEMENT RIDES

Coin acceptor (electronic) MARS

4.4 To remove/refit the coin acceptor proceed as follows:

4.4.1 Remove the coin acceptor by turning the lock situated on the faceplate and disconnect the cable plug from the printed circuit board on the mechanism - the coin acceptor can now be removed from the machine.

4.4.2 To remove litter from the coin acceptor, pull the hinged side plate sideways and remove any litter or obstruction. Release hinged side plate.

4.4.3 Refit the coin acceptor in reverse order to removal, ensuring that the cable plug is reconnected to the printed circuit board on the mechanism.

WARNING NEVER REMOVE OR REPLACE AN ELECTRONIC MECHANISM WITH THE POWER SUPPLY SWITCHED ON.



Electronic coin mechanism MARS - switch positions

4.5 To inhibit coins:

With machine switched on:

4.5.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = ON.

4.5.2 Press reject button within 20 seconds of setting slide switches.

4.5.3 Insert all coins to be inhibited.

4.5.4 Press reject button within 20 seconds of inserting coins. Inhibited coins should now be rejected.

4.6 To re-enable inhibited coins:

With machine switched on:

4.6.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = OFF.

4.6.2 Press reject button within 20 seconds of setting slide switches.

4.6.3 Insert all coins to be re-enabled.

4.6.4 Press reject button within 20 seconds of inserting coins. Previously inhibited coins should now be accepted.

NOTE

Mechanism must be powered up before changing switch positions. Switch positions must be moved prior to attempting either of the above.

JOLLY ROGER AMUSEMENT RIDES

Stamar "Plug n Play" Kiddie Ride Controller Credit Programming Instructions

4.7 The "Plug n Play" Timer Unit can now be programmed "on-site" for any Credit functions as shown by the following instructions. This facility is incorporated on all software from JR TDv4 onwards

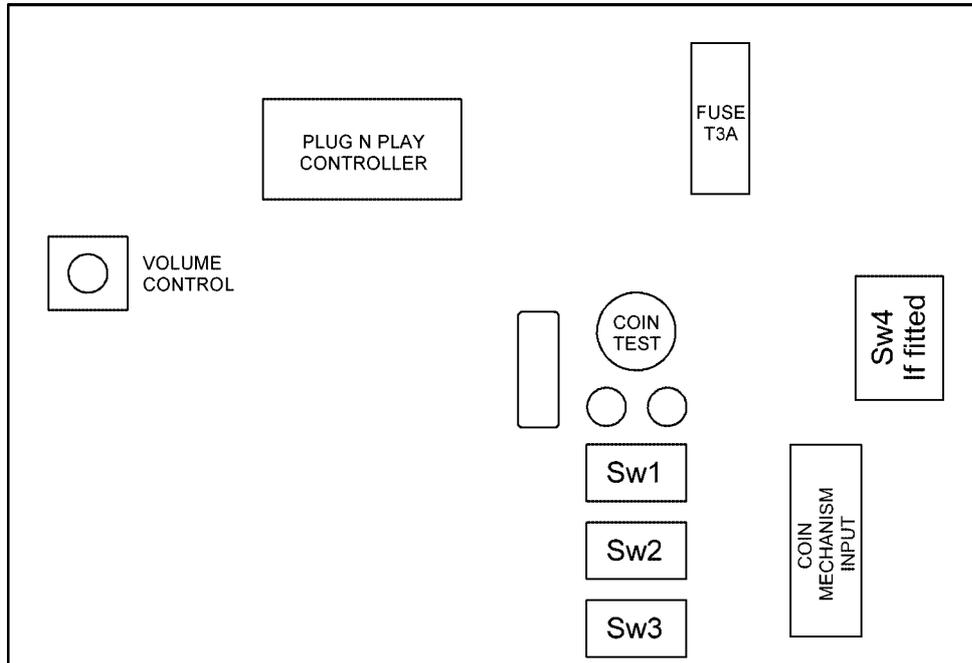


Fig 1 Programmable Control Unit

JR423

Credit Programming sequence

1. Turn Ride OFF
2. Make a note of the current SW1 settings
3. Set ALL SW1 switches to the OFF position
4. Turn the Ride ON
5. Enter coins to the value of the first Credit value
6. Press the Ride Start Switch for the number of rides required for this credit value
7. Insert coins for the next credit value required
8. Press the Ride Start Switch for the next number of rides required
9. Repeat this process until ALL credit values have been entered
10. Now PRESS and HOLD the Ride Start Switch until the voice prompt announces that the programming is completed, approximately 4-5 seconds
11. Turn the Ride OFF
12. Set ALL SW1 switches to the ON position
13. The new Credit Program is now installed
14. If at any time during the process, you wish to cancel the programming function, simply turn the Ride OFF and re-set the original SW1 positions. This will restore the previous credit program

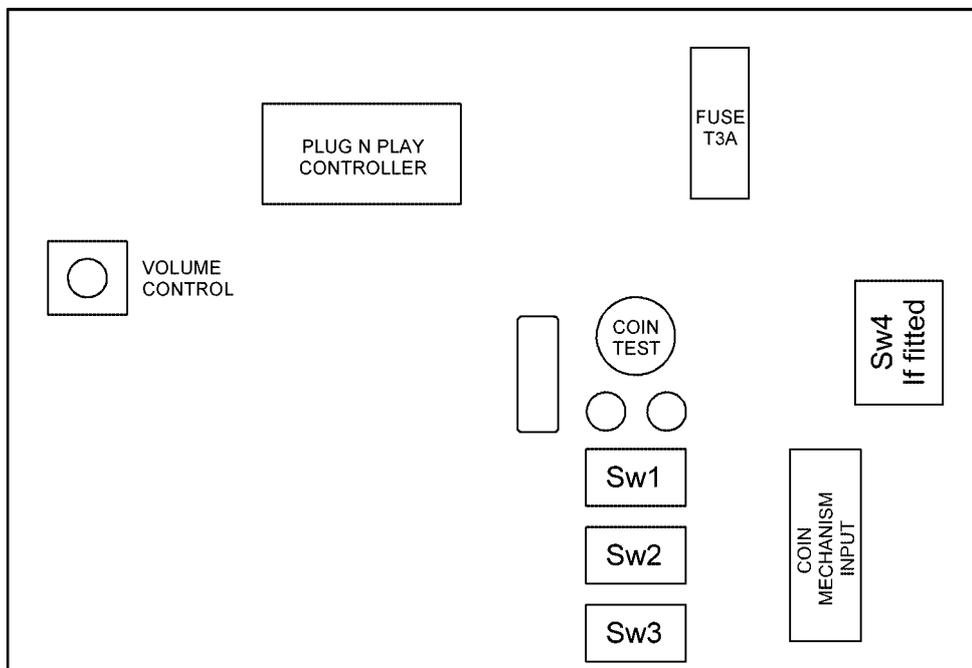
JOLLY ROGER AMUSEMENT RIDES

Stamar “Plug n Play” Kiddie Ride Controller Configuration Instructions

4.8 The new “Plug n Play” programmable control unit has four externally accessible DIL switches, SW1, SW2, SW3 and SW4, which are used to select the most popular modes of operation.

NOTES

1. It is advisable to remove the control unit from the ride as this will assist viewing the switches and referring to these instructions. The control unit can be easily “unplugged” from the ride **AFTER POWER TO THE RIDE HAS BEEN SWITCHED OFF** and the two mounting bolts have been removed.
2. All alterations to these switches should only be made after power to the ride has been turned off as this will avoid any unintentional damage to the control unit and/or the ride.



JR423

Fig 1 Programmable Control Unit

JOLLY ROGER AMUSEMENT RIDES

SW1 sets the Price of Play value or Credit Program Options.

4.9 The SW1 switch is used to set price at play value or credit program options.

NOTES

1. The setting for **either** “price of play” **or** “credits” on SW1 as shown below are selected using **SW3/S4** as shown in SW3 settings below.

i.e. SW3/S4 must be set to On if “Price of Play” options are required.

SW3/S4 must be set to Off if “Credit Programs” are required.

2. The **Price of Play** refers to multiples of the **Base Coinage** that the coin mechanism has been programmed to accept:

- UK Mechanism. The mechanism is programmed for a 10p base and gives play values from 10p (min) to £2.00 (max).
- USA Mechanism. The mechanism is programmed for a 25c base and gives play values from 25c (min) to \$3.75 (max).

SW1

S1	S2	S3	S4	Price Of Play Selected	Or	Pre - Programmed Credit Options Available							
on	off	off	off	1 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">30 P 1 RIDE</td> <td style="width: 25%;">50 P 2 RIDES</td> <td style="width: 25%;">£1 5 RIDES</td> <td style="width: 25%;"></td> </tr> </table>	30 P 1 RIDE	50 P 2 RIDES	£1 5 RIDES				
30 P 1 RIDE	50 P 2 RIDES	£1 5 RIDES											
off	on	off	off	2 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">20 P 1 RIDE</td> <td style="width: 25%;">50 P 3 RIDES</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>	20 P 1 RIDE	50 P 3 RIDES					
20 P 1 RIDE	50 P 3 RIDES												
on	on	off	off	3 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">40 P 1 RIDE</td> <td style="width: 25%;">£1 3 RIDES</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>	40 P 1 RIDE	£1 3 RIDES					
40 P 1 RIDE	£1 3 RIDES												
off	off	on	off	4 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">50 P 1 RIDE</td> <td style="width: 25%;">£1 3 RIDES</td> <td style="width: 25%;">£2 6 RIDES</td> <td style="width: 25%;"></td> </tr> </table>	50 P 1 RIDE	£1 3 RIDES	£2 6 RIDES				
50 P 1 RIDE	£1 3 RIDES	£2 6 RIDES											
on	off	on	off	5 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">60 P 1 RIDE</td> <td style="width: 25%;">£1 2 RIDES</td> <td style="width: 25%;">£2 5 RIDES</td> <td style="width: 25%;"></td> </tr> </table>	60 P 1 RIDE	£1 2 RIDES	£2 5 RIDES				
60 P 1 RIDE	£1 2 RIDES	£2 5 RIDES											
off	on	on	off	6 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">10 P 1 RIDE</td> <td style="width: 25%;">30 P 4 RIDES</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>	10 P 1 RIDE	30 P 4 RIDES					
10 P 1 RIDE	30 P 4 RIDES												
on	on	on	off	7 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">£1 1 RIDE</td> <td style="width: 25%;">£2 3 RIDES</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>	£1 1 RIDE	£2 3 RIDES					
£1 1 RIDE	£2 3 RIDES												
off	off	off	on	8 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">£2 1 RIDE</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>	£2 1 RIDE						
£2 1 RIDE													
on	off	off	on	9 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">20 P 1 RIDE</td> <td style="width: 25%;">40 P 3 RIDES</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> </table>	20 P 1 RIDE	40 P 3 RIDES					
20 P 1 RIDE	40 P 3 RIDES												
off	on	off	on	10 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">10 P 1 RIDE</td> <td style="width: 25%;">20 P 3 RIDES</td> <td colspan="2" style="width: 50%; text-align: center;">Available on JRTDv3 software onwards 01/05/2001</td> </tr> </table>	10 P 1 RIDE	20 P 3 RIDES	Available on JRTDv3 software onwards 01/05/2001				
10 P 1 RIDE	20 P 3 RIDES	Available on JRTDv3 software onwards 01/05/2001											
on	on	off	on	11 Coin	Or	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">60p 1 RIDE</td> <td style="width: 25%;">£1 2 RIDES</td> <td style="width: 25%;">£2 4 RIDES</td> <td rowspan="2" style="width: 25%; text-align: center;">Available on JRTDv4 software onwards 01/05/2002</td> </tr> <tr> <td style="width: 25%;">70p 1 RIDE</td> <td style="width: 25%;">£1 2 RIDES</td> <td style="width: 25%;">£2 4 RIDES</td> </tr> </table>	60p 1 RIDE	£1 2 RIDES	£2 4 RIDES	Available on JRTDv4 software onwards 01/05/2002	70p 1 RIDE	£1 2 RIDES	£2 4 RIDES
60p 1 RIDE	£1 2 RIDES	£2 4 RIDES	Available on JRTDv4 software onwards 01/05/2002										
70p 1 RIDE	£1 2 RIDES	£2 4 RIDES											
off	off	on	on	12 Coin	Or								
on	off	on	on	13 Coin	Or								
off	on	on	on	14 Coin	Or	Free Play For Exhibition Or Test Use							
on	on	on	on	15 Coin	Or	Programmable By User							
off	off	off	off	User on site Programming Mode		Available on JRTDv4 software onwards							

JOLLY ROGER AMUSEMENT RIDES

Ride time

4.10 SW2 is used to set the ride time. The ride time can be set from 30 seconds to 120 seconds in 15 second increments or to run for as long as the main background soundtrack.

SW2

Ride Time	S1	S2	S3	S4
30 secs	off	off	off	OFF
45 secs	on	off	off	OFF
60 secs	off	on	off	OFF
75 secs	on	on	off	OFF
90 secs	off	off	on	OFF
105 secs	on	off	on	OFF
120 secs	off	on	on	OFF
Ride time set to soundtrack	on	on	on	OFF

NOTE

S4 is used for a diagnostic test sequence during manufacture and under normal operating conditions is not used and must be set to the **OFF** position.

Additional ride features

4.11 SW3 selects additional ride features.

SW3

	S1	S2	S3	S4
Prompt phrases On/Off	On/Off	x	x	x
Attract sounds On/Off	x	On/Off	x	x
Count no. of Rides	x	x	On	x
Count No. of Coins (coin mech. Base coin value)	x	x	Off	x
Select <i>Price of Play</i> options	x	x	x	On
Select <i>Credit Program</i> options	x	x	x	Off

JOLLY ROGER AMUSEMENT RIDES

Ride flasher options

4.12 SW4 selects the ride flasher options (if fitted).

SW4

	S1	S2	S3	S4
1 Channel flasher output	Off	Off	x	OFF
2 Channel running flasher outputs	On	Off	x	OFF
3 Channel running flasher outputs	Off	On	x	OFF
4 Channel running flasher outputs	On	On	x	OFF
Standard flasher speed	x	x	Off	OFF
Fast flasher speed	x	x	On	OFF

NOTE

S4 is used to select "Program Mode" and under normal operating conditions is not to be used and must be set to the **OFF** position. "Program Mode" should only be used by experienced operators familiar with the extended programming sequence, or under direct instruction from Jolly Roger (Amusement Rides) Ltd., or Stamar Electronics.

Volume adjustment

4.13 Access to the volume control knob is gained by removing the coin mechanism (para 4.3 or 4.4) and is adjusted by turning the control knob on the timer which is located on the back wall of the compartment.

Access to other components

4.14 Access to the Power supply unit (PSU), main fuses and other components on the chassis is gained by removing the bottom cover (para 4.22).

Drive belt adjustment

4.15 The "final drive" belt is adjusted by loosening the four bolts holding the camshaft bearings and sliding the whole assembly to adjust.

NOTE

This belt should run tight.

4.16 The "countershaft" belt is adjusted by loosening the four bolts holding the motor and sliding the motor to adjust.

NOTE

This belt should run quite loose.

4.17 Both belts are correctly tensioned during manufacture and should not require adjustment.

Bearings

4.18 All bearings are greased for life and should normally not be re-packed with grease. However, in certain circumstances the bearings may require lubrication. If this situation arises, apply grease sparingly.

JOLLY ROGER AMUSEMENT RIDES

Fuses

4.19 Fuses are located in the side of the PSU. Never replace fuses with a higher value than recommended.

Body and other mouldings

4.20 Clean with damp cloth rinsed out in soapy water, do not hose down or flood the machine. Alternatively, a proprietary household furniture cleaner may be used.

Removal of body shell

NOTE

Refer to Figure 7 in Spare Parts section for item numbers.

4.21 To remove the body shell

4.21.1 Remove the six bolts, nuts (Fig 7 item 6) and washers (Fig 7 item 5) situated under the body shell, which attach the body to the chassis.

4.21.2 Disconnect the electrical wiring underneath the body shell by undoing the plug and socket connector.

4.21.3 Remove body shell.

Removal of bottom cover

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



4.22 To remove the bottom cover proceed as follows

CAUTION Care is to be taken when carrying out step 4.22.1



4.22.1 Turn ride on to its side.

4.22.2 Remove the four hexagon retaining screws that secure the bottom cover.

4.22.3 Refit in reverse order to the removal.

Daily checks

4.23 A check of each coin-operated Kiddie Ride should, whenever reasonably practical, be carried out each day before it is made available for the public. The following checks are recommended: -

4.23.1 Check that the mains plug is undamaged and securely attached to the mains cable.

4.23.2 Check that the mains cable is undamaged.

4.23.3 Check that there are no broken or damaged parts of the ride that may cause injury.

4.23.4 Check that all guards are in place thus preventing any access to the mechanism.

4.23.5 Apply pressure to the ride to ensure that it is firmly secured to the base stem and check that all advisory literature is in place.

JOLLY ROGER AMUSEMENT RIDES

4.23.6 Ensure the area around the ride is free from obstruction and that persons passing by are not in any danger.

4.23.7 The ride should be kept clean and free from any customised additions unless approved by the manufacturer.

4.24 If as a result of the above visual checks any doubt arises, then the company, supplier or person responsible for the ride should be notified immediately.

Motor

The motor is fitted with a manual re-set thermal overload cut-out device in accordance with UL requirements.

4.25 When the motor does not operate, check if the thermal overload cut-out device has operated and re-set as follows:

CAUTION When the thermal overload cut-out device has operated, investigate and correct the fault before the ride is returned to use.



4.25.1 Disconnect the machine from the electrical power supply

4.25.2 Remove the bottom cover from the machine (para 4.22).

4.24.3 Re-set the thermal overload cut-out button on the motor backplate.

4.25.4 Refit the bottom cover to the machine (para 4.22).

4.25.5 Connect the electrical power and test the ride.

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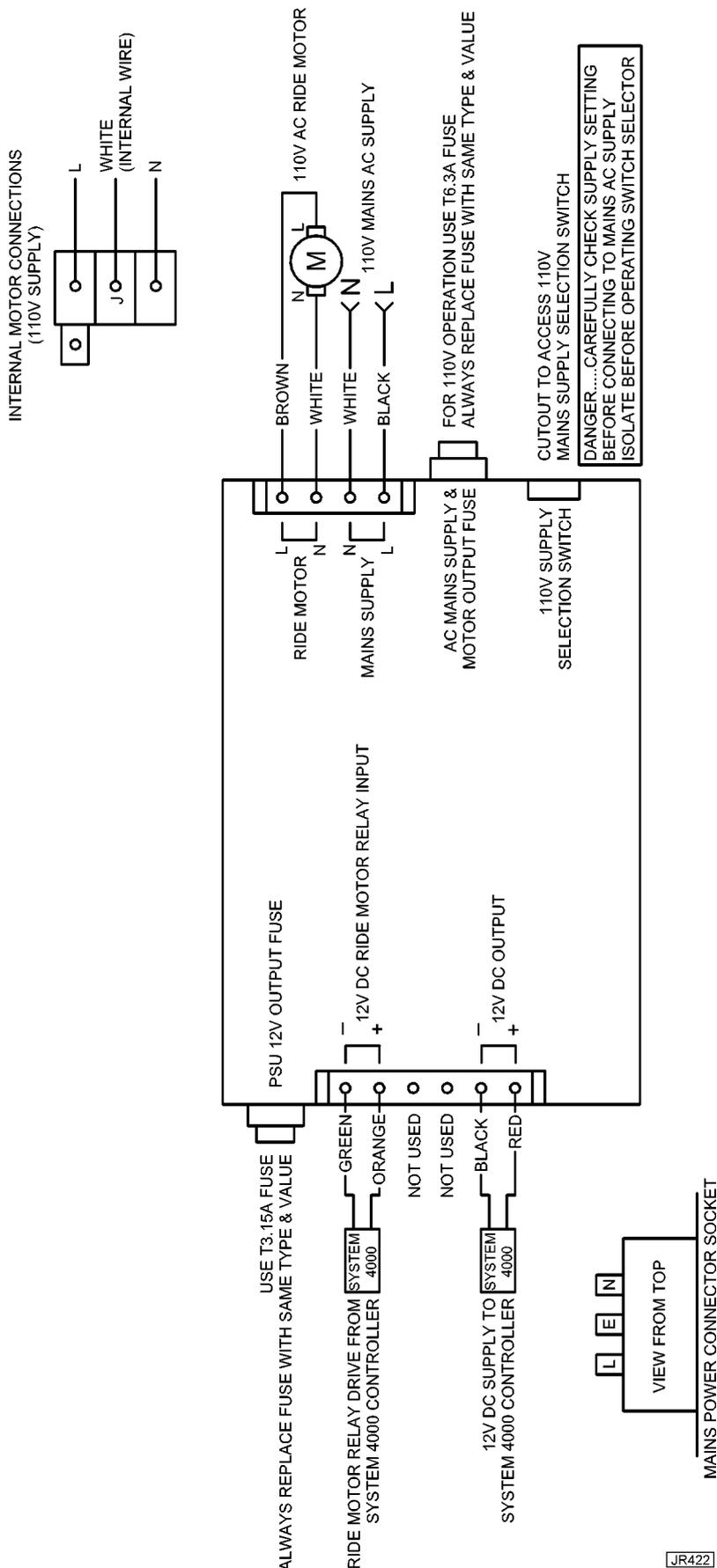
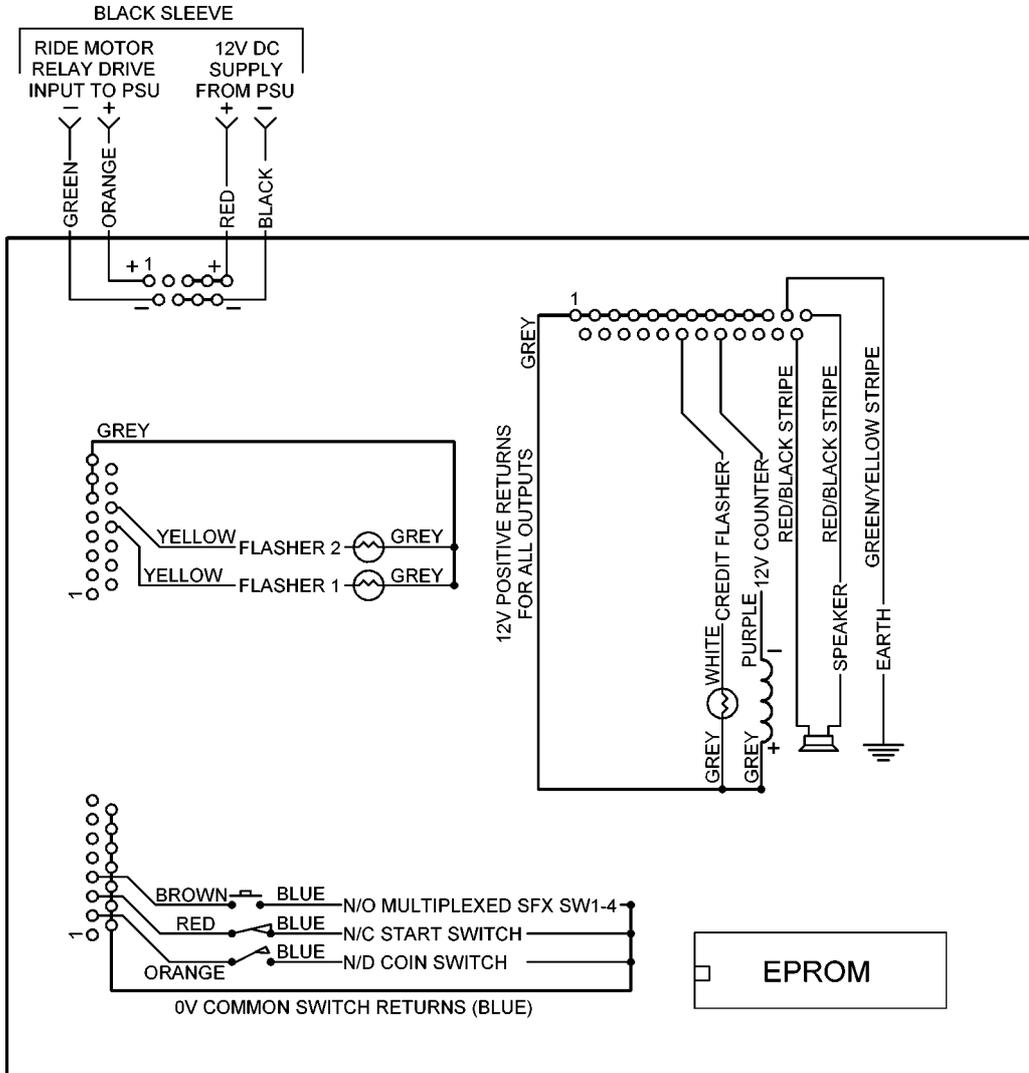


Fig 3 Wiring diagram (rides with the 110 Volts supply) - (System 4000)

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JR420

Fig 4 Wiring diagram cash box - Base to body loom connector (System 4000)

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SPARE PARTS

1. The machine serial number (if given) on the reference plate must always be quoted.
2. Quote the full part number and description as set out in the list.
3. State precisely how parts are to be despatched.

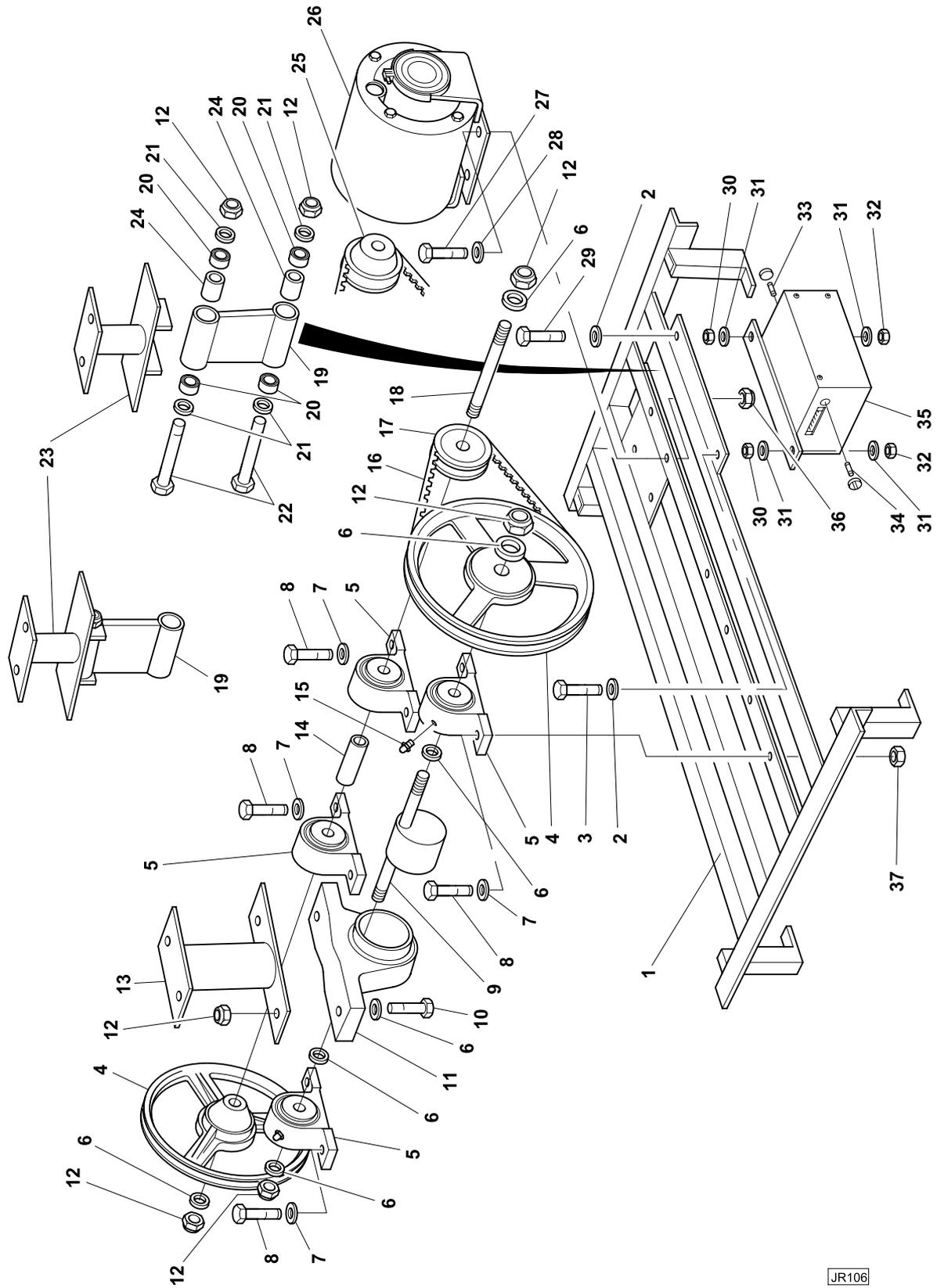
Home: By post, carrier or road transport.

Overseas: By sea freight, airmail or air freight.
4. Keep orders separate from other correspondence.
5. Foreign orders must be sent through our accredited agent, an established London House, or accompanied by a remittance.
6. Replacement parts which are not of genuine Jolly Roger supply, cannot be relied upon to be to the correct specification, material or workmanship. Jolly Roger therefore cannot be expected to extend their Warranty to Kiddies Rides which have been fitted with parts which Jolly Roger has not supplied.
7. Jolly Roger reserve the right to make changes or improvements in the construction or specification of their products at any time.

Conditions of Business

1. Particulars given in this list are subject to withdrawal and alteration without notice.
2. All quotations are subject to confirmation before acceptance of order.
3. All goods are supplied on the conditions that Jolly Roger shall not be liable for any direct or consequential damage arising from delay in delivery or from defective material, other than is covered by our usual form of guarantee.
4. Whilst every effort is made to ensure the accuracy of the particulars contained in this book, modifications and specification changes to the Kiddies Ride are on-going. These may affect the information specified. No responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of information in this book not being in accord with modifications or Kiddies Ride specification changes which are subsequent to the date of this book. Also, no responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of any misinterpretation of the information specified in this parts book.

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JR106

Fig 5 Chassis assembly

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Parts list - Chassis assembly

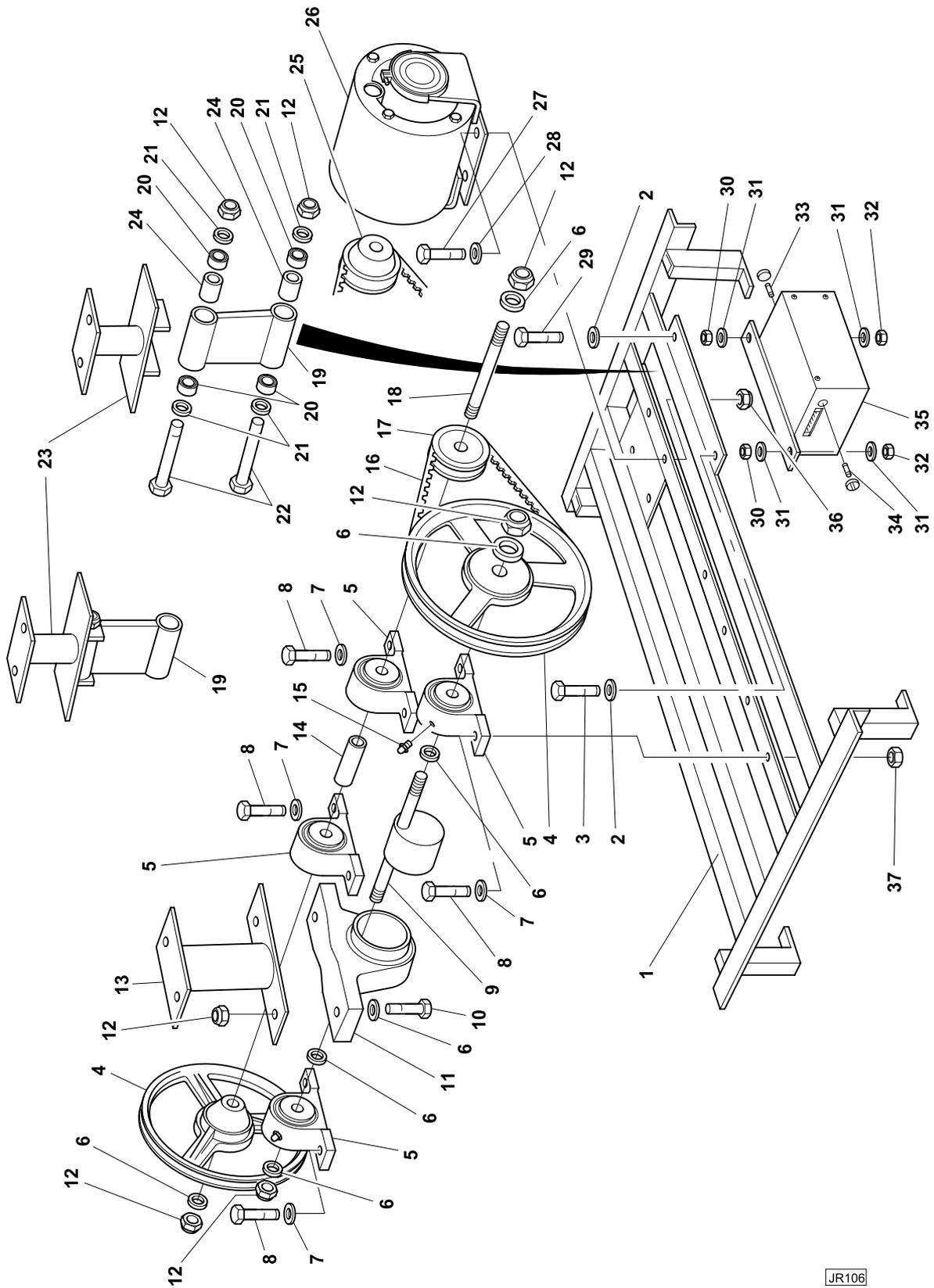
† Item not illustrated

Item No	Part No	Description	QTY
-	3000011	Chassis assembly, comprising:	-
1	3100002	Chassis	1
2	7600000	Washer, M6	2
3	7000203	Bolt, cap head, hexagon socket, M6 x 25	1
4	8000000	Pulley, 224 SPA x 12 mm x 1A	2
5	6000000	Housing, bearing assembly, NP12	4
6	7600300	Washer, M12	10
7	7600200	Washer, M10	8
8	7000604	Bolt, M10 x 35	8
9	8200000	Camshaft	1
10	7000707	Bolt, M12 x 50	2
11	6000001	Housing, bearing assembly, SL40	1
12	7700300	Nut, M12, Nyloc	6
13	3200002	Arm, top, front	1
14	9000003	Spacer, 89 mm long	1
15	9100000	Nipple, grease	5
16	8100000	Belt, vee, A 33 (A 870)	2
17	8000002	Pulley, 43 SPA x 12 mm x 1A	1
18	8210000	Countershaft	1
19	3200001	Arm, pivot	2
20	6100000	Bearing, 6001 ZZ	8
21	9050000	Shim, M12	8
22	7000900	Bolt, precision, M12 x 110	4
23	3200003	Arm, top, rear	2
24	9000002	Spacer, 60 mm long	4
25	8000001	Pulley, 43 SPA x 1/2 in x 1A	1

Cont.

Note: Refer to manufacturer when ordering items from this list

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JR106

Fig 5 Chassis assembly (Continued)

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Parts list - Chassis assembly

† Item not illustrated

Item No	Part No	Description	QTY
Cont.			
-	3000011	Chassis assembly, comprising:	-
26	2000001	Motor, 220/240 volts 50 Hz	1
-	2000000	Motor, 110 volts 60 Hz (alternative)	1
27	7000503	Bolt, M8 x 25	4
28	7600100	Washer, M8	4
29	7000204	Bolt, cap head, hexagon socket, M6 x 30	8
30	7700001	Nut, M6	2
31	7600001	Washer, M6 x 25 dia	6
32	7700000	Nut, M6, nyloc	2
33	2400006	Fuse, output, 12 volt T5A	1
34	2400004	Fuse main, T3.15A	1
-	2400007	Fuse main, T6.3A (alternative for 110-120V 60Hz)	1
35	2100011	Power supply unit	1
36	7700100	Nut, M8, Nyloc	4
37	7700200	Nut, M10, Nyloc	8
-	† 5120001	Castor, 2 inch	2
-	† 1110047	Bottom cover moulding	1
-	† 7000503	Bolt, hexagon head M8 x 25 c/w washers and nut	4
-	† 2200003	Mains lead	1

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES

Parts list - Coin collection assembly (System 4000)

† Item not illustrated

Item No	Part No	Description	QTY
-	4000006	Coin collection assembly comprising:	-
1	4100020	Housing	1
2	4100001	Cash box	1
3	4100021	Door	1
4	9300006	Lock complete with keys	2
5	2520008	Switch, pushbutton, round, START, green	1
-	† 2920008	Bulb, 2.2 watt, wedge	1
6	2520010	Microswitch	1
7	2500000	Microswitch, coin acceptor	1
8	4200008	Coin acceptor	1
9	9300004	Lock complete with keys	1
10	4200009	Plate, coin acceptor	1
11	2100009	Counter, coin impulse (fitted internally)	1
12	2520009	Switch, pushbutton, round, PRESS, red	1
-	† 2920008	Bulb, 2.2 watt wedge	1
-	† 2520010	Microswitch	1
13	4200005	Coin acceptor, electronic assembly (optional) comprising:	1
-	† 4200006	Mechanism, electronic coin acceptor	1
-	† 4200007	Wiring loom, electronic coin acceptor	1
14	7200000	Screw, cap head, M4 x 20	4
15	2100012	Timer, System 4000	1
14	2100013	Nut, timer	2
-	† 2600000	Loudspeaker	1

Note: Refer to manufacturer when ordering items from this list.

JOLLY ROGER AMUSEMENT RIDES

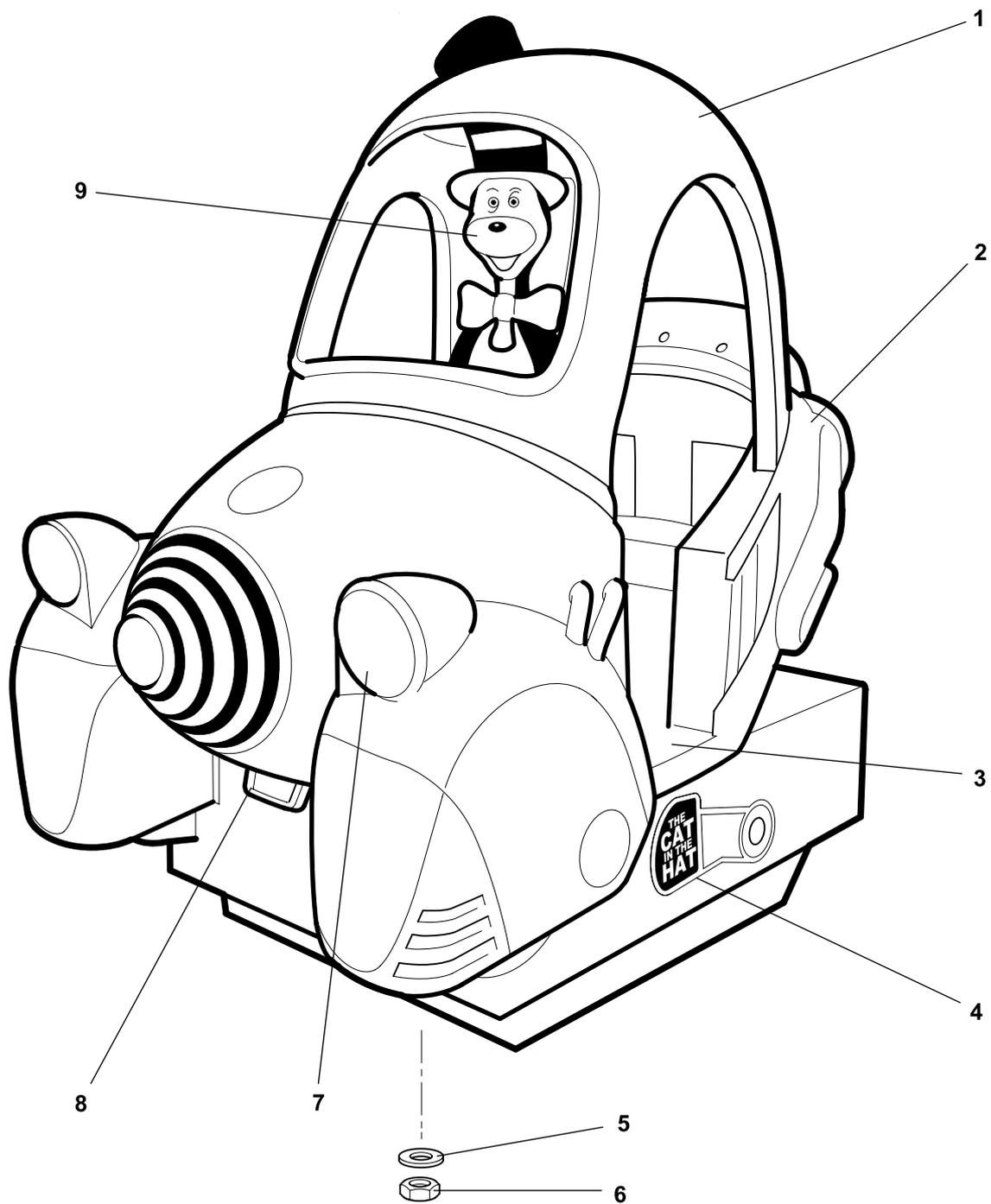


Fig 7 The Cat in the Hat Body Shell Assembly

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Parts list - The Cat in the Hat, body shell assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	1080066	Body shell assembly, comprising:	-
1	1110072	Moulding, roof	1
2	1100066	Moulding, body	1
3	1300001	Step, edge, 6 inch	1
4	1700064	Decal Set, The Cat in the Hat	1
5	7600200	Washer, M10	6
6	7700200	Nut, M10, Nyloc	6
-	† 7000600	Bolt, M10 x 25, Hex head	6
7	2900004	Lamp, type B	2
-	2920002	Bulb, 12 volt, 5 watts, scc	AR
8	1200002	Handle, small	1
9	1110072	Moulding, figure	1
-	† 5300001	Steering wheel, small	1
-	† 3600005	Bracket, steering wheel	1
-	† 1300070	Foot tread	1

Note: For coin acceptor and cash box details see coin collection assembly parts list

Note: Refer to manufacturer when ordering items from this list

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We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with the BACTA Industry Standard, the HSE Fairgrounds and Amusement Parks A Code of Safe practice, the Health and Safety at Work Act 1974. (All applicable in the United Kingdom).

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with United States Standard ANSI/UL22 and Canadian C.S.A. Standard C22.2 No. 68.92 and in particular have carried out tests for Earth bonding and dielectric strength. The rides have also been tested and comply with requirements of FCC Part 15, Class A.

THIS CERTIFICATE DOES NOT EXONERATE THE OPERATOR FROM REGULAR CHECKING AND MAINTENANCE OF THE MACHINE TO WHICH IT APPLIES.

Jolly Roger (Amusement Rides) Ltd.
College View Works,
Manby Road,
Grimoldby, Louth,
Lincolnshire,
England. LN11 8HE

Telephone (01507) 328856 Telefax (01507) 327060

E-mail: sales@jolly-roger.co.uk

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Jolly Roger (Amusement Rides) Ltd.

College View Works,
Manby Road,
Grimoldby,
Louth,
Lincolnshire,
England. LN11 8HE

Telephone: + 44 (0)1507 328856
Fax: + 44 (0)1507 327060
E-mail: sales@jolly-roger.co.uk

EC DECLARATION OF CONFORMITY (Revised 1st January 1997 and 1st September 2002)

Manufacturer: As above

Details of Electrical Equipment

Type No.: 2

Description: Coin-operated Childrens Ride

Directives this equipment complies with: Electrical Equipment (Safety) Regulations 1994, SI No3260 (Regulation 5. (1)).
Electromagnetic Compatability Directive 89/336/EEC
Low voltage directive 72/23/EEC (article 2) as amended by 93/68/EEC.

Harmonised standards applied in order to verify compliance with Directives: EN 50081-1:1992
EN 50082-1:1992
EN 60335-1:1994 inc. AMDS A11, A1, A12, A13, A14, A2, A15 and A16 - Safety of Household and Similar Electrical Appliance.
EN 55014-1: 1993 EN61000-3-2:1995 + A1: 1998 + A2: 1998
EN 61000-3-3: 1995 EN55014-2: 1997 Category 2
EN 60335-2-82: 2000 - Particular Requirements for Service Machines and Amusement Machines

Test Reported Issued by:	Notified / Competent Body	Report No.
D.J.Taylor	Intertek Testing Services	EM01005623 (A)
J.A.Bearpark	Inchcape Testing Services (U.K.) Ltd.	EM207110 Part A
T.Heathcote	Rowland Laboratories Ltd.	20584
A.Cuthbert	Intertek Testing Service	02007267/A

Year in which CE mark was affixed: 1996/7

Authorised Signatory:

Manufacturer



Date of Issue

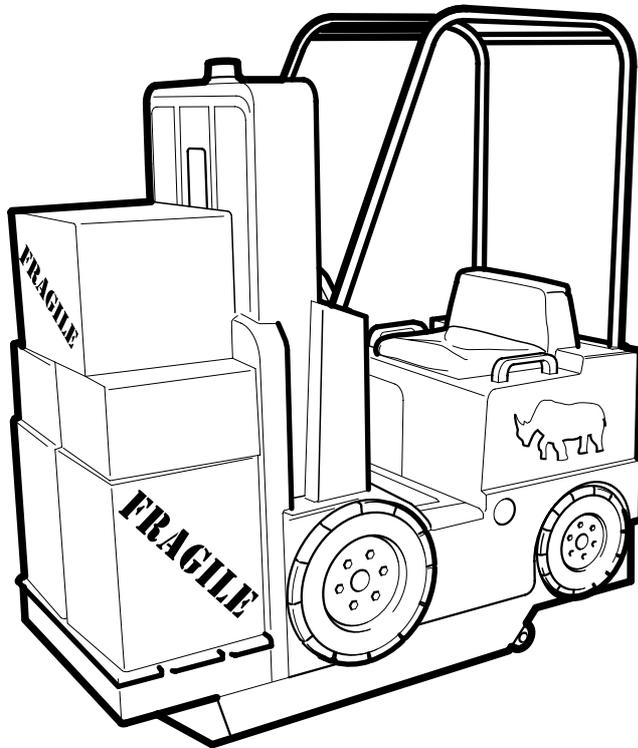
1st January 1997

Name: R.J.Newborough
Position: Managing Director

Place of Issue
Grimoldby, England

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FORK LIFT TRUCK HANDBOOK

(For Video Ride Equipment Refer to:
Video Ride Equipment Handbook)

System 4000



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JOLLY ROGER (Amusement Rides) Ltd reserves the right to make changes, for the purpose of product improvement, at any time.

Jolly Roger (Amusement Rides) Ltd. College View Works, Manby Road, Grimoldby, Louth, Lincolnshire, England. LN11 8HE.

Telephone: + 44 (0) 1507 328856
Fax: + 44 (0) 1507 327060
E-mail: sales@jolly-roger.co.uk

This handbook was prepared for Jolly Roger (Amusement Rides) Ltd
by
Bowne Global Solutions Ltd.,
Cophall Terrace,
Coventry,
United Kingdom
CV1 2FP

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

INTRODUCTION

Thank you for purchasing your new Kiddie Ride from Jolly Roger (Amusement Rides) Limited and we trust it will give many years of trouble-free profitable service.

Whilst this booklet has been produced primarily with our United Kingdom and European customers in mind, it will certainly be of benefit to other users worldwide.

Reference is made to the United Kingdom Health and Safety at Work Act - Code of Safe Practice at Fairs (which specifically includes coin operated Children's Rides), the Industry Standard for the construction, operation and use of coin-operated Children's Rides, and the EC Declaration of Conformity (CE Mark).

The Rides comply with United Kingdom and European Community regulations, and are ETL listed to comply with US Standard UL 22 covering Amusement Games and Canadian standard C22.2 No 68 covering motor operated appliances.

The rides are designed for intermittent use and the maximum anticipated duty cycle is 30 operations per hour.

The guidance given in this publication is relevant to the safe operation of children's rides wherever they may be operated.

WARNINGS & CAUTIONS

The international safety sign is used throughout this Handbook where specific safety precautions are detailed. The sign is positioned so that the precautions are readily identifiable.

WARNING



INTERNATIONAL SAFETY SIGN

WARNINGS

Warnings call attention to instructions, which must be followed precisely to avoid injury or death.

CAUTIONS

Cautions call attention to instructions, which must be followed precisely to avoid damaging the equipment.

JOLLY ROGER AMUSEMENT RIDES

HEALTH AND SAFETY - CODE OF SAFE PRACTICE AT FAIRS - INDUSTRY STANDARDS

(UNITED KINGDOM)

1.1 Our equipment has been manufactured to the highest standard of construction and safety in order to conform to the H.S.E. Fairground and Amusement Parks, A Code of Safe Practice and the U.K. Health and Safety at Work Act 1974.

1.2 This machine must be earthed. (CONNECTED TO GROUND)

1.3 If a 13 Amp BS1363 plug is fitted then a 5 amp fuse should be fitted. (UK only)

1.4 If the ride is to be situated outdoors, the socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a residual current circuit breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.

1.5 In addition to our manufacturer's test and the daily checks every ride shall be subject to a Thorough Examination by an appointed person once every period of 14 months. (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). The regulation applies in the UK only, however it is sound operating practice wherever a ride is operated.

1.6 The appointed person need not be independent, but should be at least 21 years old, registered under the Amusement Device Inspection Procedures Scheme (ADIPS) and be competent by such qualifications, knowledge, experience and supporting services to be able to make an assessment of the safety of the ride, including any associated equipment/parts e.g. electrical, hydraulic or pneumatic.

1.7 The appointed person should have the technical competence to recognise the significance of the effects of stresses, loadings and fatigue and also be competent to determine the extent of permissible wear.

1.8 The Thorough Examination is to be carried out by a registered body in accordance with the regulations laid down in the Health and Safety at Work Act 1974 (Fairgrounds and Amusements Parks-Guidance on Safe Practice, HSG 175). A Report of Inspection is to be completed after the Thorough Examination. (Applicable in UK only).

1.9 On completion of the Thorough Examination, a Declaration of Operational Compliance (DOC) certificate is to be issued which must be retained for a period of ten years and be available for inspection by the Health and Safety Inspectorate and/or the appropriate officer of the Environmental Health Department of a Local authority. (Applicable in UK only).

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



1.10 If considered necessary, further protection to the power supply may be afforded by conduit, trunking, or rubber protector strip with tapered edges and non-slip ribbed bases. Care is needed to avoid a tripping hazard.

1.11 The Kiddie Rides should be so sited that the length of cable between the ride and socket outlet is a minimum. For floor mounted socket outlets, the ride may be positioned so that there is virtually no exposed cable.

1.12 Galvanised steel braided armoured cable and flexible copper braided cable cannot be satisfactorily terminated in a 13 amp standard (BS 1363) plug. Such cables can be terminated in industrial type plugs BS 196 or BS 4343 or equivalent, but these require the special suitable sockets. (Applicable in UK only).

JOLLY ROGER AMUSEMENT RIDES

INSTALLATION

Siting

WARNING



IT IS NOT RECOMMENDED THAT THE RIDE BE SITED ON A PLINTH, PLATFORM OR ANY FORM OF MATTING. DOING THIS WILL INCREASE THE HEIGHT OF THE RIDE FROM THE GROUND AND MAY CAUSE INJURY FROM FALLING OR TRIPPING.

2.1 A common sense approach should be adopted when siting Kiddie Rides. The following items are an indication, but not exhaustive:

2.1.1 Position the Ride on a level surface.

2.1.2 Ensure there is adequate clearance all round the Ride to minimise the risk of injury to the passengers or public. If possible, a 1 metre clearance around the ride is recommended.

2.1.3 **DO NOT** obstruct emergency exits.

2.1.4 **DO NOT** obstruct fire appliances, hydrants etc.

2.1.5 If sited outside:

The socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a Residual Current Circuit Breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.

DO NOT operate in adverse weather conditions.

NOTE

This ride is considered suitable for outdoor protected locations i.e. under a canopy, or cover and not in a position where the ride could be exposed to direct rain or snow, or other adverse weather conditions.

2.1.6 **DO NOT** locate the ride directly against the plug, which should remain accessible at all times

2.1.7 The ride is not suitable for installation or operation in an area where a water jet could be used

CAUTION



For safety reasons the electrical wiring is colour coded as follows:

2.1.8 For rides with 220-240 volt electrical supply, the wiring colour codes are:

Brown - live
Green/Yellow-earth
Blue – neutral.

2.1.9 For rides with 110-120 volt electrical supply, the wiring colour codes are:

Black - live
Green - earth
White – neutral.

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

INSTALLATION

Site d'installation

ATTENTION  **IL N'EST PAS RECOMMANDE DE CONDUIRE SUR UNE PENTE, RAMPE OU AUTRE AFIN DE NE PAS ELEVER LA HAUTEUR DU VEHICULE ET NE PAS CAUSER DE BLESSURES EN RAISON DE RENVERSEMENT OU D'ACCROCHAGE.**

2.1 Faites appel à votre bon sens quand vous choisissez le site d'installation des manèges pour enfants. Les points suivants sont donnés à titre indicatif mais ne sont pas exhaustifs:

2.1.1 Placer le manège sur une surface nivelée.

2.1.2 S'assurer qu'il y a suffisamment d'espace tout autour du manège pour minimiser le risque de blessures pouvant être causées aux passagers ou au public. Si c'est possible, il est conseillé de laisser 1 mètre d'espace tout autour du manège.

2.1.3 **NE PAS** obstruer les sorties de secours.

2.1.4 **NE PAS** obstruer les bouches d'incendie et la voie de passage des voitures de pompiers.

2.1.5 Si le manège est situé à l'extérieur:

La fiche d'alimentation secteur devrait être branchée avec une prise mâle résistant aux intempéries et protégée en permanence par un disjoncteur de courant résiduel ou un disjoncteur différentiel ayant un taux de déclenchement ne dépassant pas 30 milliampères en 30 milli-secondes.

NE PAS faire fonctionner cette machine lors d'intempéries.

NOTE

On considère que ce manège est adapté à des endroits en plein air abrités, par exemple sous un toit, ou un abri et placé de sorte que le manège ne soit pas exposé directement à la pluie ou à la neige ou à d'autres intempéries.

2.1.6 **NE PAS** installer le manège directement contre la prise; cette dernière devrait toujours être accessible.

2.1.7 Il n'est pas convenable d'installer ou de faire marcher le manège dans un endroit où l'on pourrait utiliser des jets d'eau.

AVERTISSEMENT  **Pour des raisons de sécurité, le circuit électrique est repéré par couleurs comme indiqué ci-dessous:**

2.1.8. Pour les manèges alimentés en 220-240 volt, le circuit électrique est le suivant:

Marron : phase
Vert/Jaune : terre
Bleu : neutre.

2.1.9 Pour les manèges alimentés en 110-120 volt, le circuit électrique est le suivant:

Noir : phase
Vert : terre
Blanc : neutre.

ATTENTION  **TOUJOURS DEBRANCHER LA MACHINE DE L'ALIMENTATION SECTEUR AVANT D'EFFECTUER TOUTE REPARATION OU TOUTE VERIFICATION.**

JOLLY ROGER AMUSEMENT RIDES

OPERATION

General

3.1 A coin-operated Kiddie Ride should not be used unless a D.O.C. has been provided, indicating that the device is safe to operate (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). This regulation applies in the UK only.

JOLLY ROGER AMUSEMENT RIDES

MAINTENANCE

GENERAL

4.1 The rides do not require any periodic maintenance but, they should be checked regularly to ensure that they are in a safe condition for operation by the general public. In the unlikely event of the need to make adjustments or repairs to the machine, the following procedures are recommended.

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS OR COIN MECHANISMS.



Control unit

4.2 The control unit, which operates at 12 volts, is located at the back of the coin acceptor compartment. To remove/refit the control unit proceed as follows:

4.2.1 Remove the coin acceptor (para 4.3 or 4.4).

4.2.2 Remove the two thumb nuts located at each end of the unit.

4.2.3 The control unit may now be removed by pulling it forwards and withdrawing it through the coin acceptor aperture in the cash box assembly.

4.2.4 The mode of operation may now be altered by referring to the basic configuration, as printed on its enclosure, or by referring to the advanced configuration referred to at para 4.7.

4.2.5 Refit the unit by positioning it on the two locator bolts and gently pushing it back into place, ensuring that the plugs and sockets connect to each other.

4.2.6 Refit the two thumb nuts to ensure a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

Coin acceptor (mechanical)

4.3 To remove/refit the coin acceptor proceed as follows:

4.3.1 Remove the coin acceptor by turning the lock situated on the faceplate - the coin acceptor can now be removed from the machine and the wires pulled off the coin acceptor microswitch if desired.

NOTE

Ensure that the wires are reconnected on the correct terminals (C and NO).

4.3.2 To remove litter from the coin acceptor, slide off the spring clip on the top of the mechanism and remove side plate, then remove any litter or obstruction.

4.3.3 Refit the coin acceptor in reverse order to removal, ensuring that the pins on the main coin acceptor body locate in the dimples on the side plate.

4.3.4 Adjusting screws for coin diameter and thickness are also located on the side plate, these are factory set and should not normally require alteration.

JOLLY ROGER AMUSEMENT RIDES

Coin acceptor (electronic) MARS

4.4 To remove/refit the coin acceptor proceed as follows:

4.4.1 Remove the coin acceptor by turning the lock situated on the faceplate and disconnect the cable plug from the printed circuit board on the mechanism - the coin acceptor can now be removed from the machine.

4.4.2 To remove litter from the coin acceptor, pull the hinged side plate sideways and remove any litter or obstruction. Release hinged side plate.

4.4.3 Refit the coin acceptor in reverse order to removal, ensuring that the cable plug is reconnected to the printed circuit board on the mechanism.

WARNING NEVER REMOVE OR REPLACE AN ELECTRONIC MECHANISM WITH THE POWER SUPPLY SWITCHED ON.



Electronic coin mechanism MARS - switch positions

4.5 To inhibit coins:

With machine switched on:

4.5.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = ON.

4.5.2 Press reject button within 20 seconds of setting slide switches.

4.5.3 Insert all coins to be inhibited.

4.5.4 Press reject button within 20 seconds of inserting coins. Inhibited coins should now be rejected.

4.6 To re-enable inhibited coins:

With machine switched on:

4.6.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = OFF.

4.6.2 Press reject button within 20 seconds of setting slide switches.

4.6.3 Insert all coins to be re-enabled.

4.6.4 Press reject button within 20 seconds of inserting coins. Previously inhibited coins should now be accepted.

NOTE

Mechanism must be powered up before changing switch positions. Switch positions must be moved prior to attempting either of the above.

JOLLY ROGER AMUSEMENT RIDES

Stamar “Plug n Play” Kiddie Ride Controller Credit Programming Instructions

4.7 The “Plug n Play” Timer Unit can now be programmed “on-site” for any Credit functions as shown by the following instructions. This facility is incorporated on all software from JRTDv4 onwards

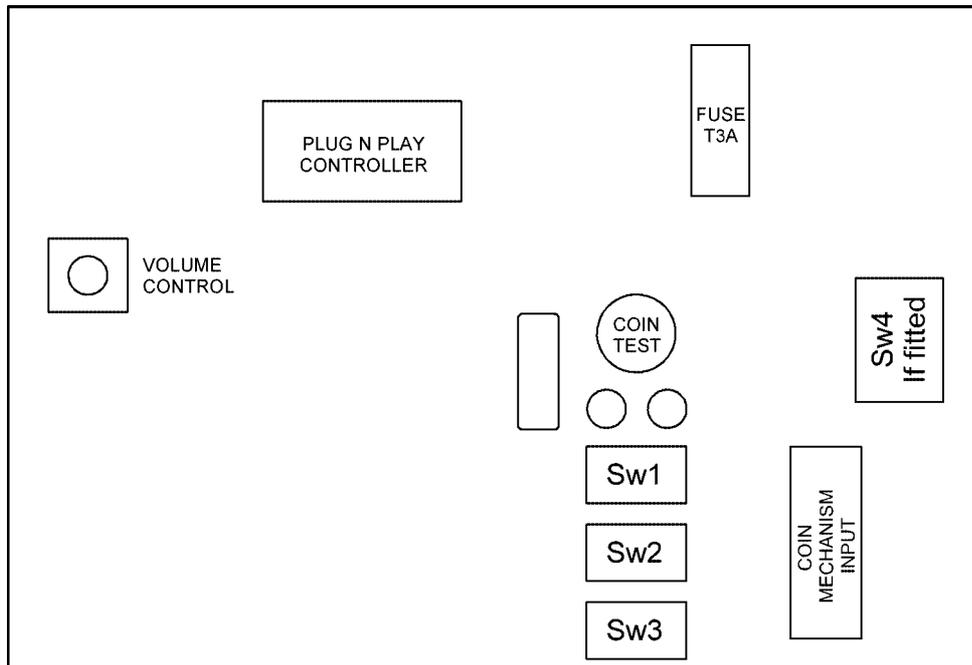


Fig 1 Programmable Control Unit

JR423

Credit Programming sequence

1. Turn Ride OFF
2. Make a note of the current SW1 settings
3. Set ALL SW1 switches to the OFF position
4. Turn the Ride ON
5. Enter coins to the value of the first Credit value
6. Press the Ride Start Switch for the number of rides required for this credit value
7. Insert coins for the next credit value required
8. Press the Ride Start Switch for the next number of rides required
9. Repeat this process until ALL credit values have been entered
10. Now PRESS and HOLD the Ride Start Switch until the voice prompt announces that the programming is completed, approximately 4-5 seconds
11. Turn the Ride OFF
12. Set ALL SW1 switches to the ON position
13. The new Credit Program is now installed
14. If at any time during the process, you wish to cancel the programming function, simply turn the Ride OFF and re-set the original SW1 positions. This will restore the previous credit program

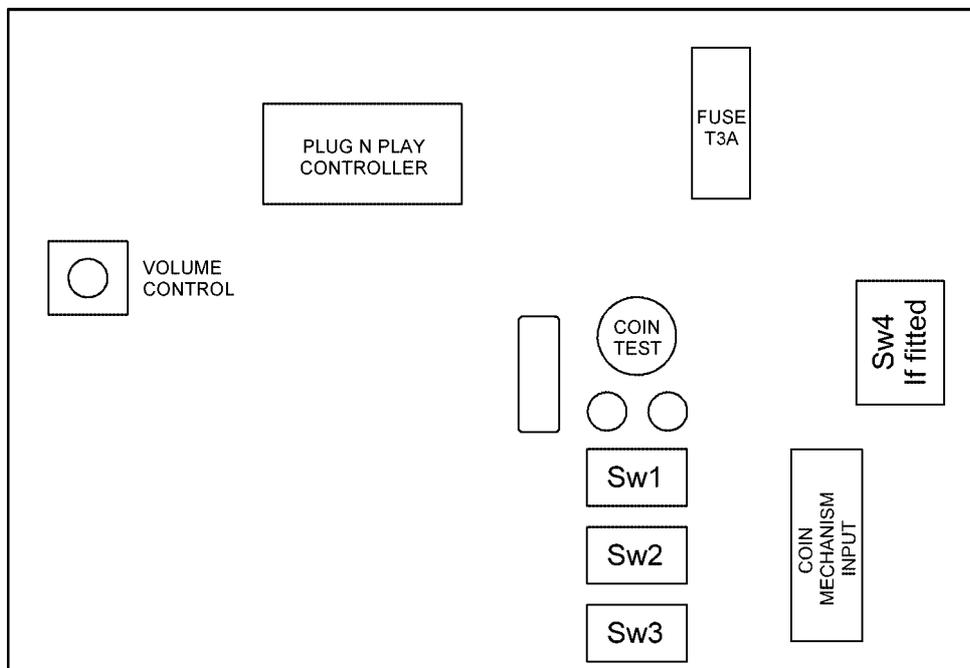
JOLLY ROGER AMUSEMENT RIDES

Stamar “Plug n Play” Kiddie Ride Controller Configuration Instructions

4.8 The new “Plug n Play” programmable control unit has four externally accessible DIL switches, SW1, SW2, SW3 and SW4, which are used to select the most popular modes of operation.

NOTES

1. It is advisable to remove the control unit from the ride as this will assist viewing the switches and referring to these instructions. The control unit can be easily “unplugged” from the ride **AFTER POWER TO THE RIDE HAS BEEN SWITCHED OFF** and the two mounting bolts have been removed.
2. All alterations to these switches should only be made after power to the ride has been turned off as this will avoid any unintentional damage to the control unit and/or the ride.



JR423

Fig 1 Programmable Control Unit

JOLLY ROGER AMUSEMENT RIDES

SW1 sets the Price of Play value or Credit Program Options.

4.9 The SW1 switch is used to set price at play value or credit program options.

NOTES

1. The setting for **either** “price of play” **or** “credits” on SW1 as shown below are selected using **SW3/S4** as shown in SW3 settings below.

i.e. SW3/S4 must be set to On if “Price of Play” options are required.

SW3/S4 must be set to Off if “Credit Programs” are required.

2. The **Price of Play** refers to multiples of the **Base Coinage** that the coin mechanism has been programmed to accept:

- UK Mechanism. The mechanism is programmed for a 10p base and gives play values from 10p (min) to £2.00 (max).
- USA Mechanism. The mechanism is programmed for a 25c base and gives play values from 25c (min) to \$3.75 (max).

SW1

S1	S2	S3	S4	Price Of Play Selected	Or	Pre - Programmed Credit Options Available
on	off	off	off	1 Coin	Or	30 P 1 RIDE 50 P 2 RIDES £1 5 RIDES
off	on	off	off	2 Coin	Or	20 P 1 RIDE 50 P 3 RIDES
on	on	off	off	3 Coin	Or	40 P 1 RIDE £1 3 RIDES
off	off	on	off	4 Coin	Or	50 P 1 RIDE £1 £2 3 RIDES 6 RIDES
on	off	on	off	5 Coin	Or	60 P 1 RIDE £1 £2 2 RIDES 5 RIDES
off	on	on	off	6 Coin	Or	10 P 1 RIDE 30 P 4 RIDES
on	on	on	off	7 Coin	Or	£1 1 RIDE £2 3 RIDES
off	off	off	on	8 Coin	Or	£2 1 RIDE
on	off	off	on	9 Coin	Or	20 P 1 RIDE 40 P 3 RIDES
off	on	off	on	10 Coin	Or	10 P 1 RIDE 20 P 3 RIDES Available on JRTDv3 software onwards 01/05/2001
on	on	off	on	11 Coin	Or	60p 1 RIDE £1 £2 2 RIDES 4 RIDES Available on JRTDv4 software onwards 01/05/2002
off	off	on	on	12 Coin	Or	70p 1 RIDE £1 £2 2 RIDES 4 RIDES
on	off	on	on	13 Coin	Or	
off	on	on	on	14 Coin	Or	Free Play For Exhibition Or Test Use
on	on	on	on	15 Coin	Or	Programmable By User
off	off	off	off	User on site Programming Mode		Available on JRTDv4 software onwards

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Ride time

4.10 SW2 is used to set the ride time. The ride time can be set from 30 seconds to 120 seconds in 15 second increments or to run for as long as the main background soundtrack.

SW2

Ride Time	S1	S2	S3	S4
30 secs	off	off	off	OFF
45 secs	on	off	off	OFF
60 secs	off	on	off	OFF
75 secs	on	on	off	OFF
90 secs	off	off	on	OFF
105 secs	on	off	on	OFF
120 secs	off	on	on	OFF
Ride time set to soundtrack	on	on	on	OFF

NOTE

S4 is used for a diagnostic test sequence during manufacture and under normal operating conditions is not used and must be set to the **OFF** position.

Additional ride features

4.11 SW3 selects additional ride features.

SW3

	S1	S2	S3	S4
Prompt phrases On/Off	On/Off	x	x	x
Attract sounds On/Off	x	On/Off	x	x
Count no. of Rides	x	x	On	x
Count No. of Coins (coin mech. Base coin value)	x	x	Off	x
Select <i>Price of Play</i> options	x	x	x	On
Select <i>Credit Program</i> options	x	x	x	Off

JOLLY ROGER AMUSEMENT RIDES

Ride flasher options

4.12 SW4 selects the ride flasher options (if fitted).

SW4

	S1	S2	S3	S4
1 Channel flasher output	Off	Off	x	OFF
2 Channel running flasher outputs	On	Off	x	OFF
3 Channel running flasher outputs	Off	On	x	OFF
4 Channel running flasher outputs	On	On	x	OFF
Standard flasher speed	x	x	Off	OFF
Fast flasher speed	x	x	On	OFF

NOTE

S4 is used to select “Program Mode” and under normal operating conditions is not to be used and must be set to the **OFF** position. “Program Mode” should only be used by experienced operators familiar with the extended programming sequence, or under direct instruction from Jolly Roger (Amusement Rides) Ltd., or Stamar Electronics.

Volume adjustment

4.13 Access to the volume control knob is gained by removing the coin mechanism (para 4.3 or 4.4) and is adjusted by turning the control knob on the timer which is located on the back wall of the compartment.

Access to other components

4.14 Access to the Power supply unit (PSU), main fuses and other components on the chassis is gained by removing the bottom cover (para 4.22).

Drive belt adjustment

4.15 The “final drive” belt is adjusted by loosening the four bolts holding the camshaft bearings and sliding the whole assembly to adjust.

NOTE

This belt should run tight.

4.16 The “countershaft” belt is adjusted by loosening the four bolts holding the motor and sliding the motor to adjust.

NOTE

This belt should run quite loose.

4.17 Both belts are correctly tensioned during manufacture and should not require adjustment.

Bearings

4.18 All bearings are greased for life and should normally not be re-packed with grease. However, in certain circumstances the bearings may require lubrication. If this situation arises, apply grease sparingly.

JOLLY ROGER AMUSEMENT RIDES

Fuses

4.19 Fuses are located in the side of the PSU. Never replace fuses with a higher value than recommended.

Body and other mouldings

4.20 Clean with damp cloth rinsed out in soapy water, do not hose down or flood the machine. Alternatively, a proprietary household furniture cleaner may be used.

Removal of body shell

NOTE

Refer to Figure 7 in Spare Parts section for item numbers.

4.21 To remove the body shell

4.21.1 Remove the four bolts, nuts (Fig 7 item 5) and washers (Fig 7 item 4) situated under the body shell, which attach the body to the chassis.

4.21.2 Disconnect the electrical wiring underneath the body shell by undoing the plug and socket connector.

4.21.3 Remove body shell.

Removal of bottom cover

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

4.22 To remove the bottom cover proceed as follows

CAUTION



Care is to be taken when carrying out step 4.22.1

4.22.1 Turn ride on to its side.

4.22.2 Remove the four hexagon retaining screws that secure the bottom cover.

4.22.3 Refit in reverse order to the removal.

Daily checks

4.23 A check of each coin-operated Kiddie Ride should, whenever reasonably practical, be carried out each day before it is made available for the public. The following checks are recommended: -

4.23.1 Check that the mains plug is undamaged and securely attached to the mains cable.

4.23.2 Check that the mains cable is undamaged.

4.23.3 Check that there are no broken or damaged parts of the ride that may cause injury.

4.23.4 Check that all guards are in place thus preventing any access to the mechanism.

4.23.5 Apply pressure to the ride to ensure that it is firmly secured to the base stem and check that all advisory literature is in place.

JOLLY ROGER AMUSEMENT RIDES

4.23.6 Ensure the area around the ride is free from obstruction and that persons passing by are not in any danger.

4.23.7 The ride should be kept clean and free from any customised additions unless approved by the manufacturer.

4.24 If as a result of the above visual checks any doubt arises, then the company, supplier or person responsible for the ride should be notified immediately.

Motor

The motor is fitted with a manual re-set thermal overload cut-out device in accordance with UL requirements.

4.25 When the motor does not operate, check if the thermal overload cut-out device has operated and re-set as follows:

CAUTION When the thermal overload cut-out device has operated, investigate and correct the fault before the ride is returned to use.



4.25.1 Disconnect the machine from the electrical power supply

4.25.2 Remove the bottom cover from the machine (para 4.22).

4.24.3 Re-set the thermal overload cut-out button on the motor backplate.

4.25.4 Refit the bottom cover to the machine (para 4.22).

4.25.5 Connect the electrical power and test the ride.

JOLLY ROGER AMUSEMENT RIDES

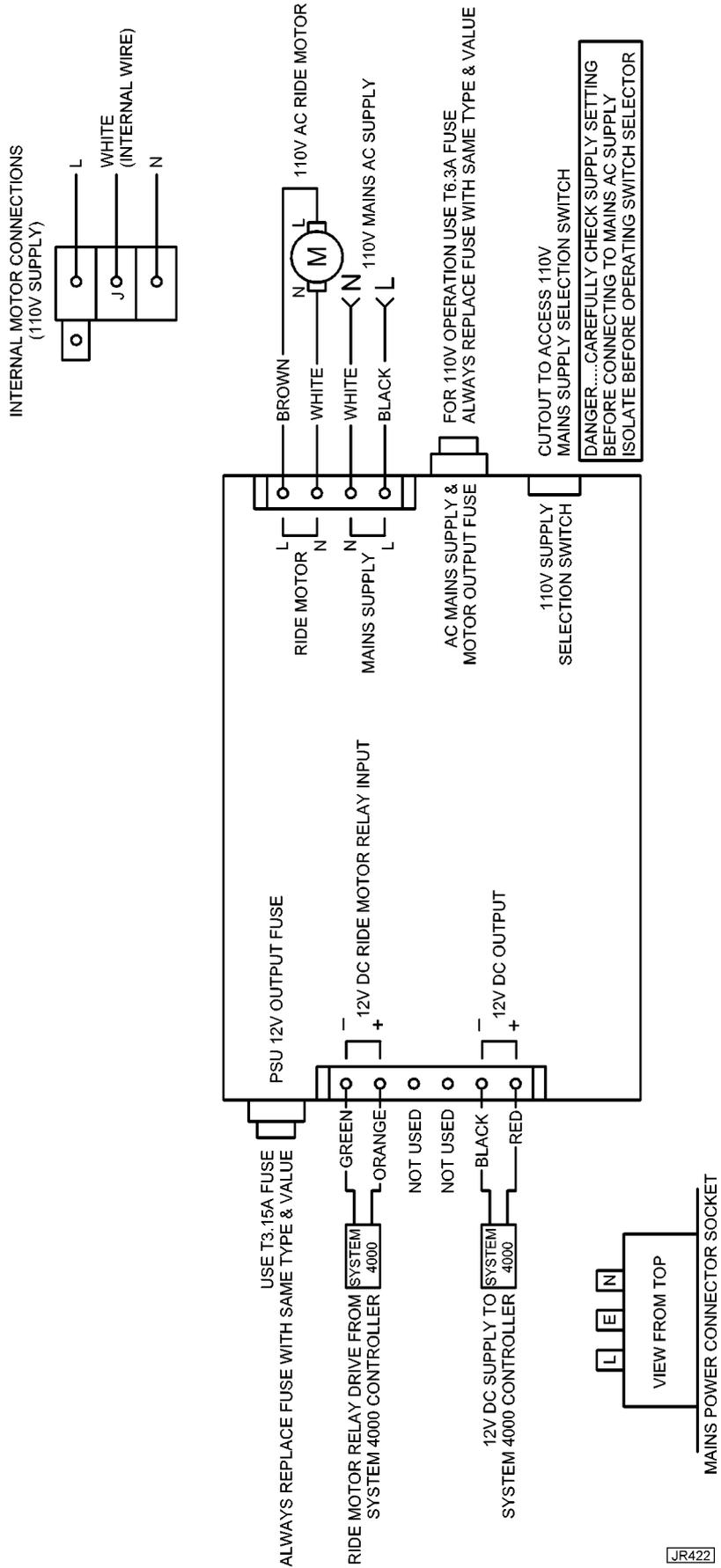
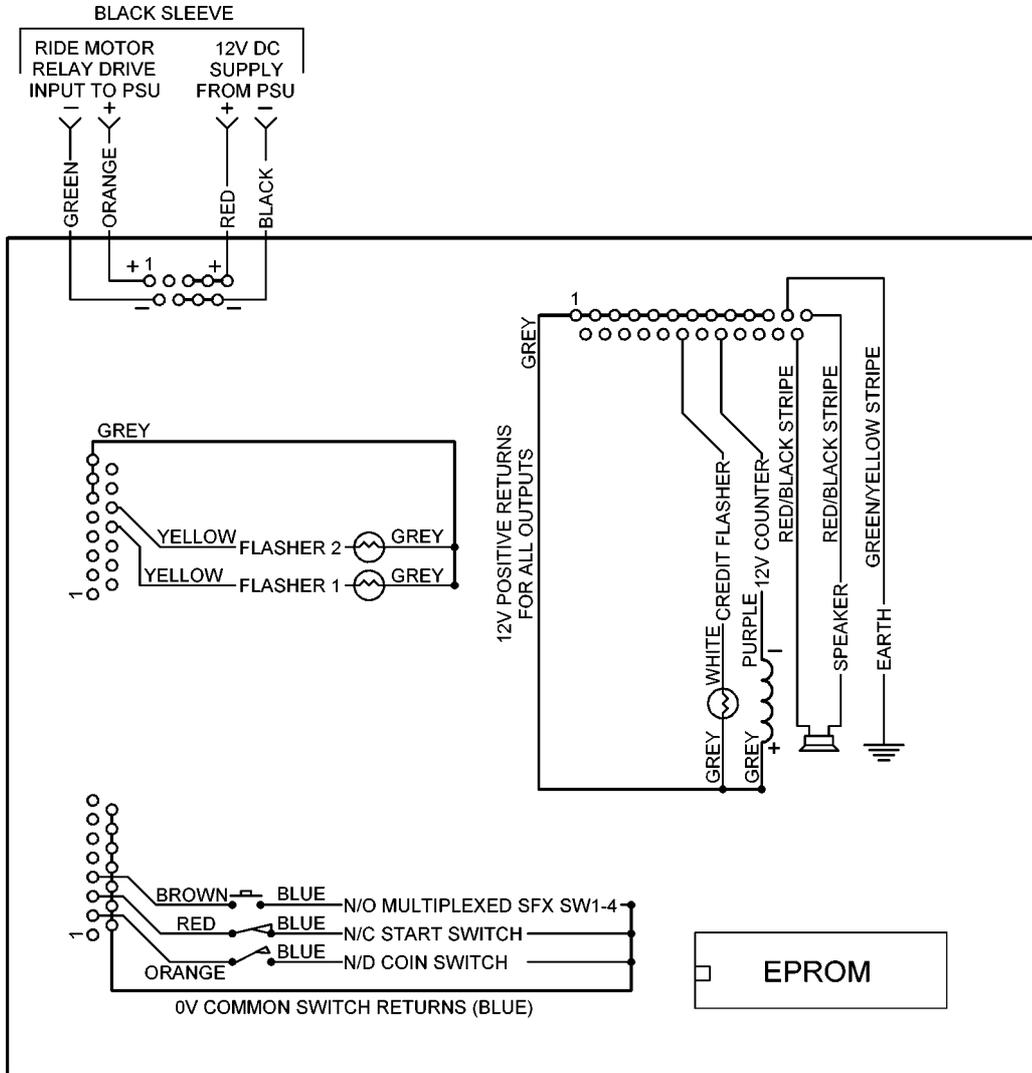


Fig 3 Wiring diagram (rides with the 110 Volts supply) - (System 4000)

JOLLY ROGER AMUSEMENT RIDES



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Fig 4 Wiring diagram cash box - Base to body loom connector (System 4000)

JOLLY ROGER AMUSEMENT RIDES

SPARE PARTS

NOTE

For Video Ride Equipment - Spare Parts, refer to the Video Ride Equipment Handbook.

1. The machine serial number (if given) on the reference plate must always be quoted.
2. Quote the full part number and description as set out in the list.
3. State precisely how parts are to be despatched.

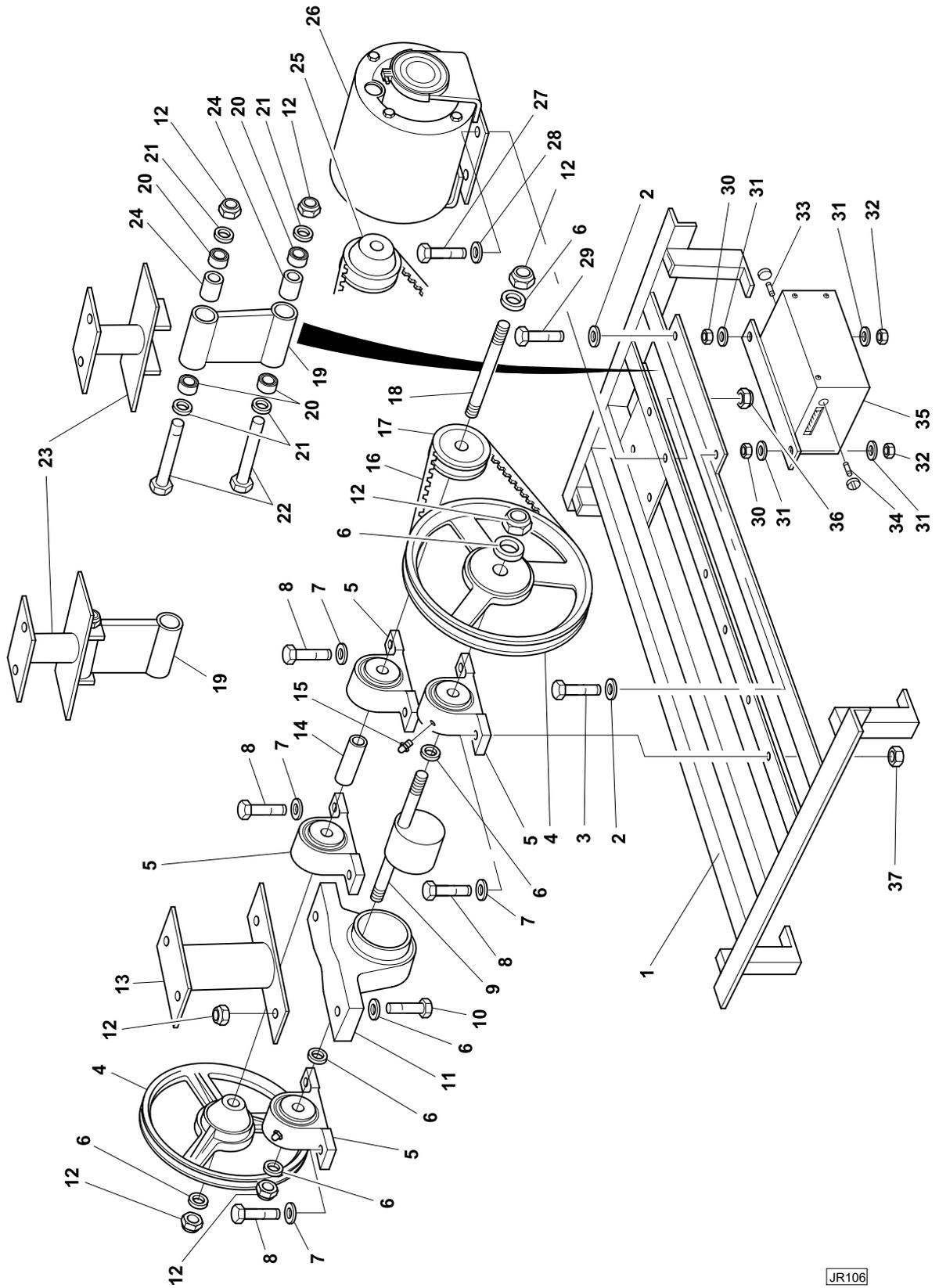
Home: By post, carrier or road transport.

Overseas: By sea freight, airmail or air freight.
4. Keep orders separate from other correspondence.
5. Foreign orders must be sent through our accredited agent, an established London House, or accompanied by a remittance.
6. Replacement parts which are not of genuine Jolly Roger supply, cannot be relied upon to be to the correct specification, material or workmanship. Jolly Roger therefore cannot be expected to extend their Warranty to Kiddies Rides which have been fitted with parts which Jolly Roger has not supplied.
7. Jolly Roger reserve the right to make changes or improvements in the construction or specification of their products at any time.

Conditions of Business

1. Particulars given in this list are subject to withdrawal and alteration without notice.
2. All quotations are subject to confirmation before acceptance of order.
3. All goods are supplied on the conditions that Jolly Roger shall not be liable for any direct or consequential damage arising from delay in delivery or from defective material, other than is covered by our usual form of guarantee.
4. Whilst every effort is made to ensure the accuracy of the particulars contained in this book, modifications and specification changes to the Kiddies Ride are on-going. These may affect the information specified. No responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of information in this book not being in accord with modifications or Kiddies Ride specification changes which are subsequent to the date of this book. Also, no responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of any misinterpretation of the information specified in this parts book.

JOLLY ROGER AMUSEMENT RIDES



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Fig 5 Chassis assembly

JOLLY ROGER AMUSEMENT RIDES

Parts list - Chassis assembly

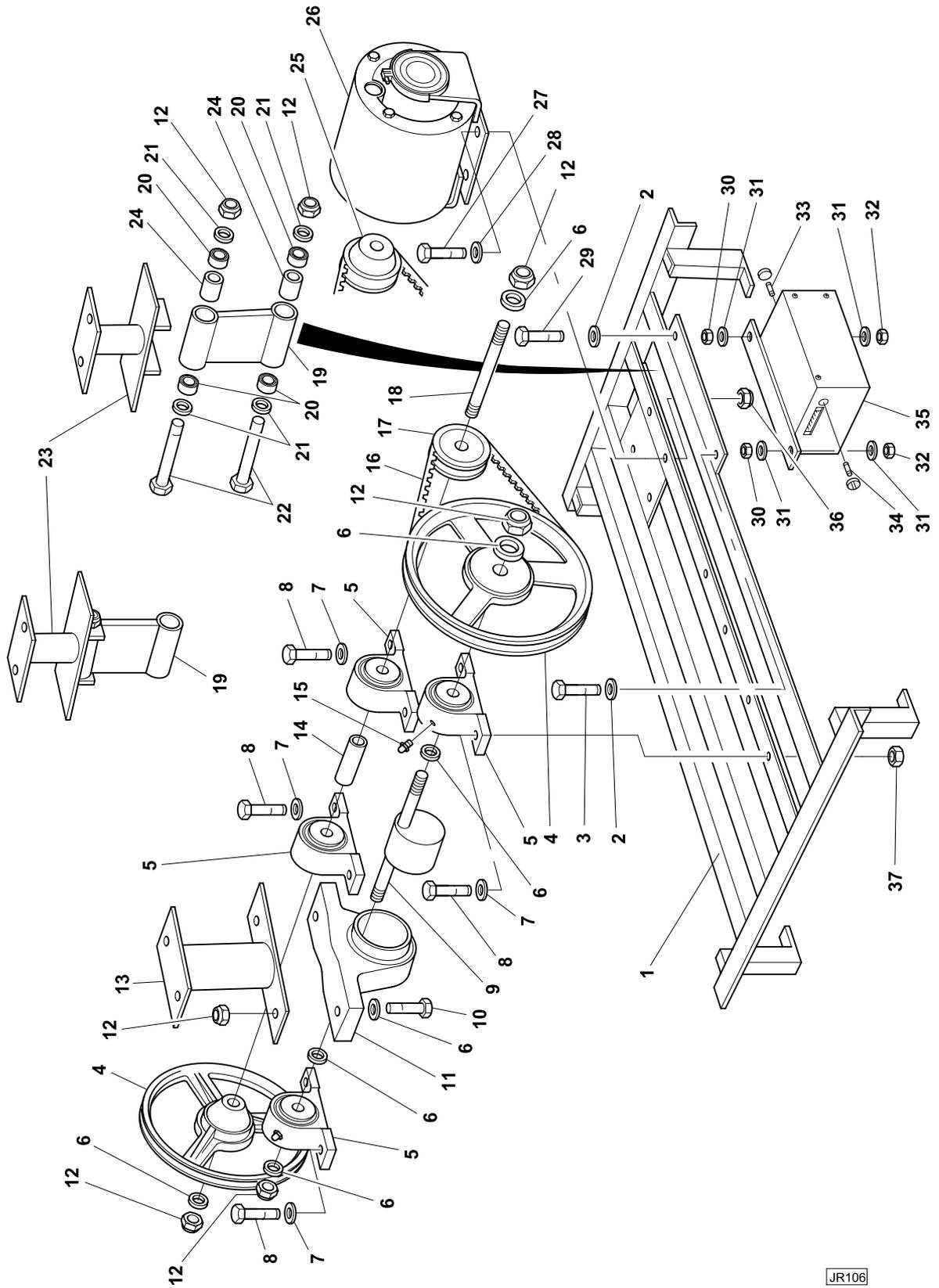
† Item not illustrated

Item No	Part No	Description	QTY
-	3000011	Chassis assembly, comprising:	-
1	3100002	Chassis	1
2	7600000	Washer, M6	2
3	7000203	Bolt, cap head, hexagon socket, M6 x 25	1
4	8000000	Pulley, 224 SPA x 12 mm x 1A	2
5	6000000	Housing, bearing assembly, NP12	4
6	7600300	Washer, M12	10
7	7600200	Washer, M10	8
8	7000604	Bolt, M10 x 35	8
9	8200000	Camshaft	1
10	7000707	Bolt, M12 x 50	2
11	6000001	Housing, bearing assembly, SL40	1
12	7700300	Nut, M12, Nyloc	6
13	3200002	Arm, top, front	1
14	9000003	Spacer, 89 mm long	1
15	9100000	Nipple, grease	5
16	8100000	Belt, vee, A 33 (A 870)	2
17	8000002	Pulley, 43 SPA x 12 mm x 1A	1
18	8210000	Countershaft	1
19	3200001	Arm, pivot	2
20	6100000	Bearing, 6001 ZZ	8
21	9050000	Shim, M12	8
22	7000900	Bolt, precision, M12 x 110	4
23	3200003	Arm, top, rear	2
24	9000002	Spacer, 60 mm long	4
25	8000001	Pulley, 43 SPA x 1/2 in x 1A	1

Cont.

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES



JR106

Fig 5 Chassis assembly (Continued)

JOLLY ROGER AMUSEMENT RIDES

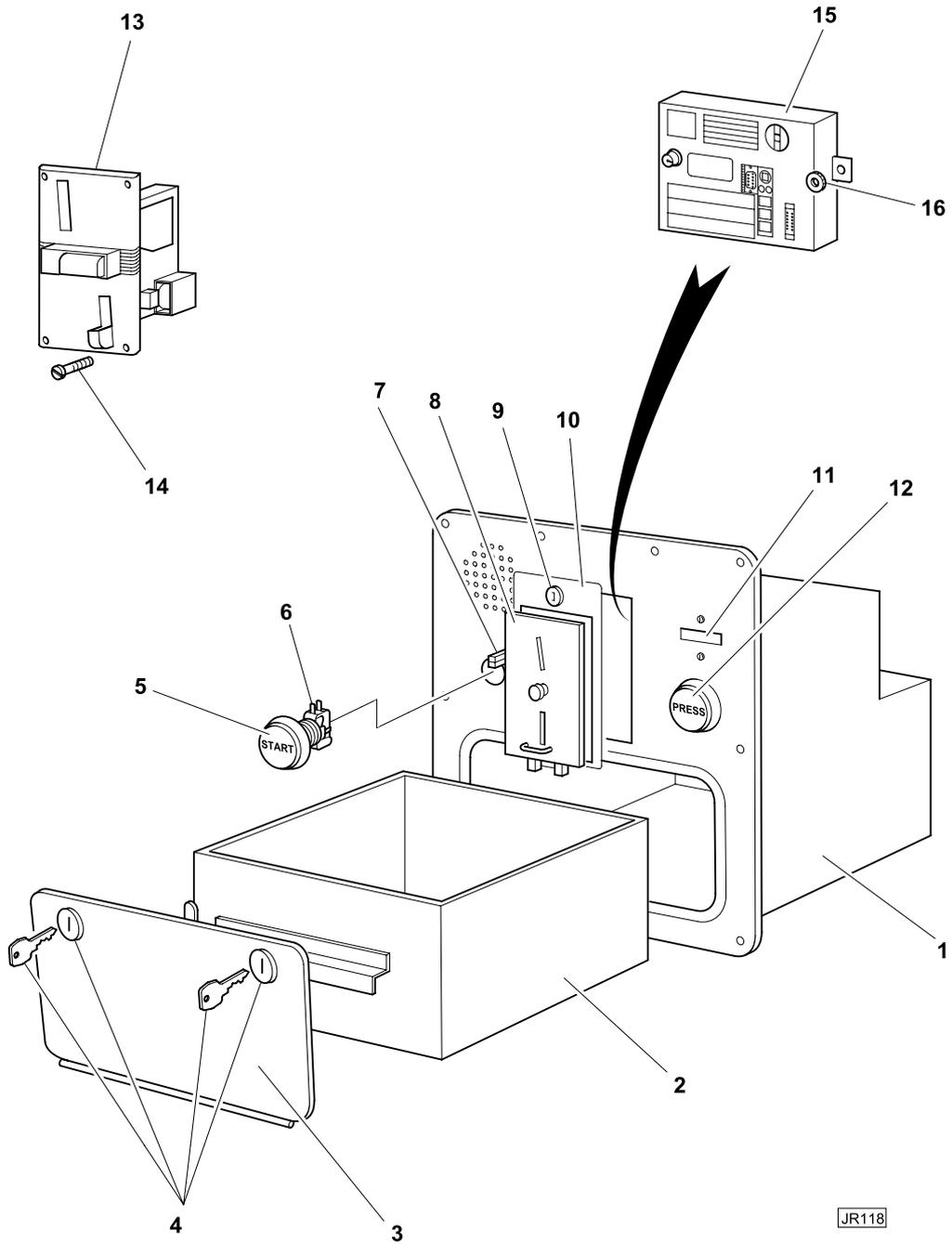
Parts list - Chassis assembly

† Item not illustrated

Item No	Part No	Description	QTY
Cont.			
-	3000011	Chassis assembly, comprising:	-
26	2000001	Motor, 220/240 volts 50 Hz	1
-	2000000	Motor, 110 volts 60 Hz (alternative)	1
27	7000503	Bolt, M8 x 25	4
28	7600100	Washer, M8	4
29	7000204	Bolt, cap head, hexagon socket, M6 x 30	8
30	7700001	Nut, M6	2
31	7600001	Washer, M6 x 25 dia	6
32	7700000	Nut, M6, nyloc	2
33	2400006	Fuse, output, 12 volt T5A	1
34	2400004	Fuse main, T3.15A	1
-	2400007	Fuse main, T6.3A (alternative for 110-120V 60Hz)	1
35	2100011	Power supply unit	1
36	7700100	Nut, M8, Nyloc	4
37	7700200	Nut, M10, Nyloc	8
-	† 5120001	Castor, 2 inch	2
-	† 1110047	Bottom cover moulding	1
-	† 7000503	Bolt, hexagon head M8 x 25 c/w washers and nut	4
-	† 2200003	Mains lead	1

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES



JR118

Fig 6 Coin collection assembly (System 4000)

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Parts list - Coin collection assembly (System 4000)

† Item not illustrated

Item No	Part No	Description	QTY
-	4000006	Coin collection assembly comprising:	-
1	4100020	Housing	1
2	4100001	Cash box	1
3	4100021	Door	1
4	9300006	Lock complete with keys	2
5	2520008	Switch, pushbutton, round, START, green	1
-	† 2920008	Bulb, 2.2 watt, wedge	1
6	2520010	Microswitch	1
7	2500000	Microswitch, coin acceptor	1
8	4200008	Coin acceptor	1
9	9300004	Lock complete with keys	1
10	4200009	Plate, coin acceptor	1
11	2100009	Counter, coin impulse (fitted internally)	1
12	2520009	Switch, pushbutton, round, PRESS, red	1
-	† 2920008	Bulb, 2.2 watt wedge	1
-	† 2520010	Microswitch	1
13	4200005	Coin acceptor, electronic assembly (optional) comprising:	1
-	† 4200006	Mechanism, electronic coin acceptor	1
-	† 4200007	Wiring loom, electronic coin acceptor	1
14	7200000	Screw, cap head, M4 x 20	4
15	2100012	Timer, System 4000	1
14	2100013	Nut, timer	2
-	† 2600000	Loudspeaker	1

Note: Refer to manufacturer when ordering items from this list.

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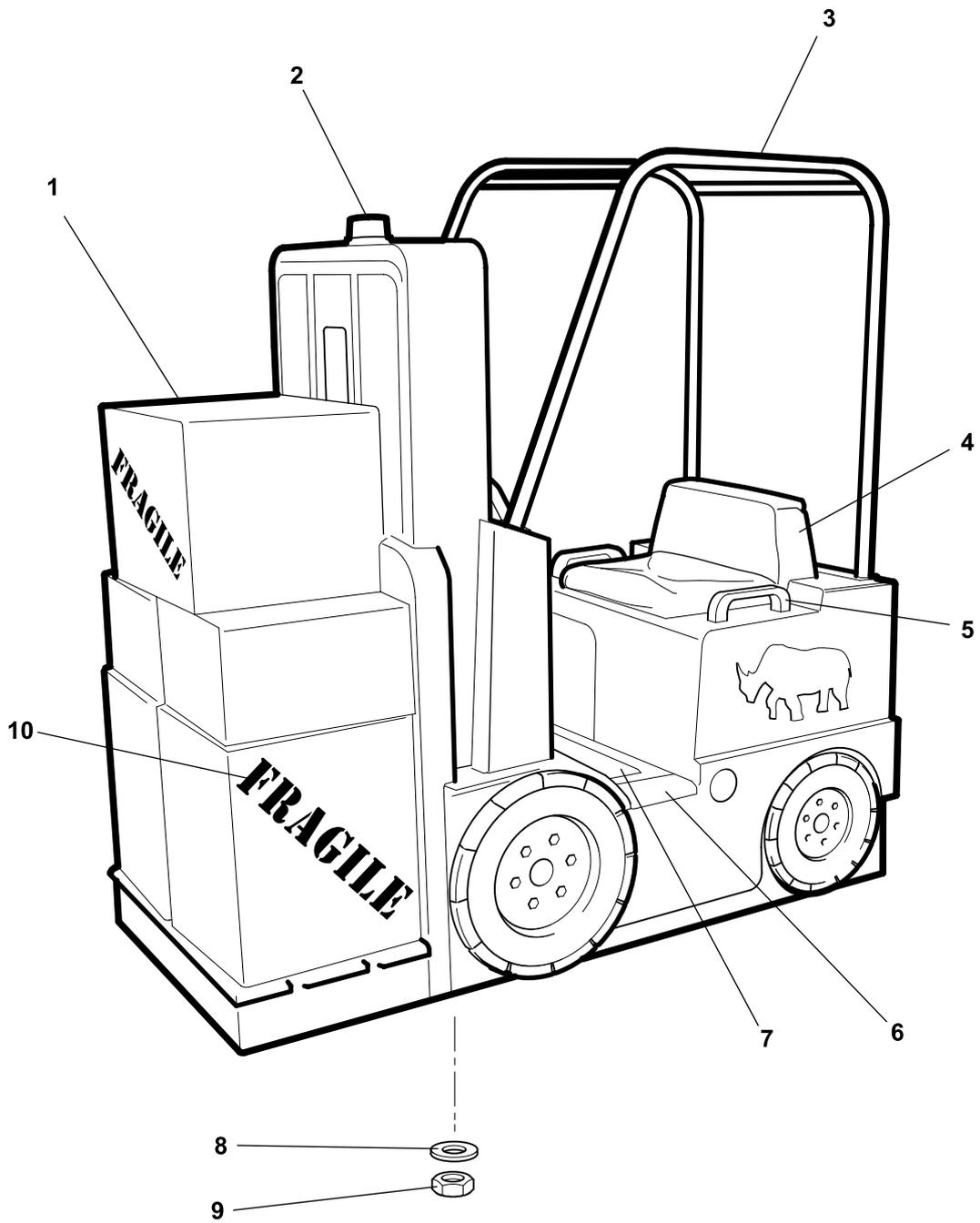


Fig 7 Body Shell Assembly

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Parts list - Body Shell Assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	1080069	Body shell assembly, comprising:	
1	1100069	Moulding, body	1
2	1300001	Step, edge, 6 inch	2
3	1700052	Decal set	1
4	3300019	Frame, cab roof	1
5	1200002	Handle, small	2
6	1300001	Step edge, 6 inch	2
7	1300070	Foot tread	1
8	7700200	Nut, M19, Nyloc	4
9	7600200	Washer, M10	4
10	1700069	Decal set	1
	† 5300001	Steering wheel, small	1
-	† 3600005	Bracket, steering wheel (modified)	1
-	† 7000715	Bolt, M12 x 90	1
-	† 7700302	Nut, M12 special	1

Note: For coin acceptor and cash box details see coin collection assembly parts list

Note: Refer to manufacturer when ordering items from this list

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JOLLY ROGER AMUSEMENT RIDES

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with the BACTA Industry Standard, the HSE Fairgrounds and Amusement Parks A Code of Safe practice, the Health and Safety at Work Act 1974. (All applicable in the United Kingdom).

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with United States Standard ANSI/UL22 and Canadian C.S.A. Standard C22.2 No. 68.92 and in particular have carried out tests for Earth bonding and dielectric strength. The rides have also been tested and comply with requirements of FCC Part 15, Class A.

THIS CERTIFICATE DOES NOT EXONERATE THE OPERATOR FROM REGULAR CHECKING AND MAINTENANCE OF THE MACHINE TO WHICH IT APPLIES.

Jolly Roger (Amusement Rides) Ltd.
College View Works,
Manby Road,
Grimoldby,
Louth,
Lincolnshire,
England.
LN11 8HE

Telephone (01507) 328856 Telefax (01507) 327060

E-mail: sales@jolly-roger.co.uk

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Jolly Roger (Amusement Rides) Ltd.

College View Works,
Manby Road,
Grimoldby,
Louth,
Lincolnshire,
England. LN11 8HE

Telephone: + 44 (0)1507 328856
Fax: + 44 (0)1507 327060
E-mail: sales@jolly-roger.co.uk

EC DECLARATION OF CONFORMITY

(Revised 1st January 1997 and 1st September 2002)

Manufacturer: As above

Details of Electrical Equipment

Type No.: 2

Description: Coin-operated Childrens Ride

Directives this equipment complies with: Electrical Equipment (Safety) Regulations 1994, SI No3260 (Regulation 5. (1)).
Electromagnetic Compatability Directive 89/336/EEC
Low voltage directive 72/23/EEC (article 2) as amended by 93/68/EEC.

Harmonised standards applied in order to verify compliance with Directives: EN 50081-1:1992
EN 50082-1:1992
EN 60335-1:1994 inc. AMDS A11, A1, A12, A13, A14, A2, A15 and A16 - Safety of Household and Similar Electrical Appliance.
EN 55014-1: 1993 EN61000-3-2:1995 + A1: 1998 + A2: 1998
EN 61000-3-3: 1995 EN55014-2: 1997 Category 2
EN 60335-2-82: 2000 - Particular Requirements for Service Machines and Amusement Machines

Test Reported Issued by:	Notified / Competent Body	Report No.
D.J.Taylor	Intertek Testing Services	EM01005623 (A)
J.A.Bearpark	Inchcape Testing Services (U.K.) Ltd.	EM207110 Part A
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Year in which CE mark was affixed: 1996/7

Authorised Signatory:

Manufacturer

Date of Issue



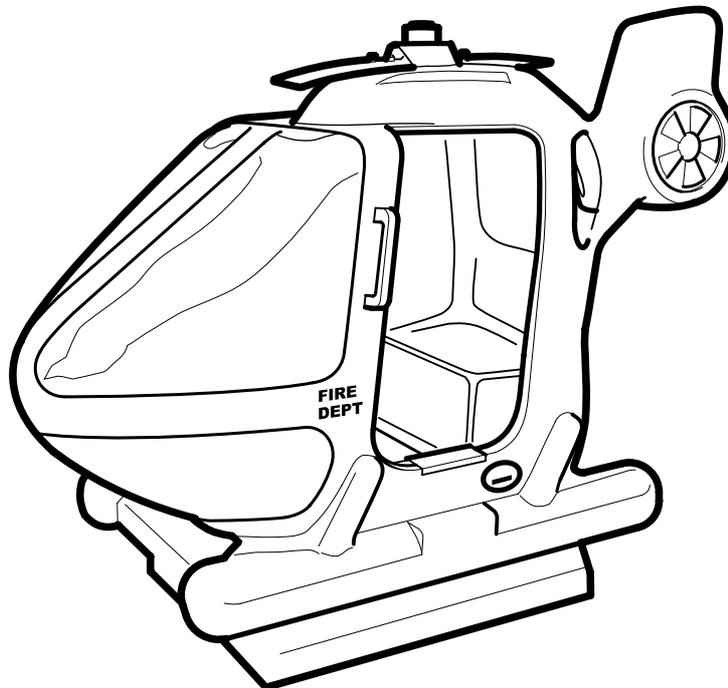
1st January 1997

Name: R.J.Newborough
Position: Managing Director

Place of Issue
Grimoldby, England

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HELICOPTER INTERACTIVE VIDEO SIMULATOR HANDBOOK

System 4000



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JOLLY ROGER (Amusement Rides) Ltd reserves the right to make changes, for the purpose of product improvement, at any time.

Jolly Roger (Amusement Rides) Ltd. College View Works, Manby Road, Grimoldby, Louth, Lincolnshire, England. LN11 8HE.

Telephone: + 44 (0) 1507 328856

Fax: + 44 (0) 1507 327060

E-mail: sales@jolly-roger.co.uk

This handbook was prepared for Jolly Roger (Amusement Rides) Ltd
by
Bowne Global Solutions Ltd.,
Cophall Terrace,
Coventry,
United Kingdom
CV1 2FP

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

INTRODUCTION

Thank you for purchasing your new Kiddie Ride from Jolly Roger (Amusement Rides) Limited and we trust it will give many years of trouble-free profitable service.

Whilst this booklet has been produced primarily with our United Kingdom and European customers in mind, it will certainly be of benefit to other users worldwide.

Reference is made to the United Kingdom Health and Safety at Work Act - Code of Safe Practice at Fairs (which specifically includes coin operated Children's Rides), the Industry Standard for the construction, operation and use of coin-operated Children's Rides, and the EC Declaration of Conformity (CE Mark).

The Rides comply with United Kingdom and European Community regulations.

The rides are designed for intermittent use and the maximum anticipated duty cycle is 30 operations per hour.

The guidance given in this publication is relevant to the safe operation of children's rides wherever they may be operated.

WARNINGS & CAUTIONS

The international safety sign is used throughout this Handbook where specific safety precautions are detailed. The sign is positioned so that the precautions are readily identifiable.

INTERNATIONAL SAFETY SIGN

WARNING



WARNINGS

Warnings call attention to instructions, which must be followed precisely to avoid injury or death.

CAUTIONS

Cautions call attention to instructions, which must be followed precisely to avoid damaging the equipment.

JOLLY ROGER AMUSEMENT RIDES

HEALTH AND SAFETY - CODE OF SAFE PRACTICE AT FAIRS - INDUSTRY STANDARDS

(UNITED KINGDOM)

- 1.1 Our equipment has been manufactured to the highest standard of construction and safety in order to conform to the H.S.E. Fairground and Amusement Parks, A Code of Safe Practice and the U.K. Health and Safety at Work Act 1974.
- 1.2 This machine must be earthed. (CONNECTED TO GROUND)
- 1.3 If a 13 Amp BS1363 plug is fitted then a 5 amp fuse should be fitted. (UK only)
- 1.4 If the ride is to be situated outdoors, the socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a residual current circuit breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.
- 1.5 In addition to our manufacturer's test and the daily checks every ride shall be subject to a Thorough Examination by an appointed person once every period of 14 months. (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). The regulation applies in the UK only, however it is sound operating practice wherever a ride is operated.
- 1.6 The appointed person need not be independent, but should be at least 21 years old, registered under the Amusement Device Inspection Procedures Scheme (ADIPS) and be competent by such qualifications, knowledge, experience and supporting services to be able to make an assessment of the safety of the ride, including any associated equipment/parts e.g. electrical, hydraulic or pneumatic.
- 1.7 The appointed person should have the technical competence to recognise the significance of the effects of stresses, loadings and fatigue and also be competent to determine the extent of permissible wear.
- 1.8 The Thorough Examination is to be carried out by a registered body in accordance with the regulations laid down in the Health and Safety at Work Act 1974 (Fairgrounds and Amusements Parks-Guidance on Safe Practice, HSG 175). A Report of Inspection is to be completed after the Thorough Examination. (Applicable in UK only).
- 1.9 On completion of the Thorough Examination, a Declaration of Operational Compliance (DOC) certificate is to be issued which must be retained for a period of ten years and be available for inspection by the Health and Safety Inspectorate and/or the appropriate officer of the Environmental Health Department of a Local authority. (Applicable in UK only).

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



- 1.10 If considered necessary, further protection to the power supply may be afforded by conduit, trunking, or rubber protector strip with tapered edges and non-slip ribbed bases. Care is needed to avoid a tripping hazard.
- 1.11 The Kiddie Rides should be so sited that the length of cable between the ride and socket outlet is a minimum. For floor mounted socket outlets, the ride may be positioned so that there is virtually no exposed cable.
- 1.12 Galvanised steel braided armoured cable and flexible copper braided cable cannot be satisfactorily terminated in a 13 amp standard (BS 1363) plug. Such cables can be terminated in industrial type plugs BS 196 or BS 4343 or equivalent, but these require the special suitable sockets. (Applicable in UK only).

JOLLY ROGER AMUSEMENT RIDES

INSTALLATION

Siting

WARNING



IT IS NOT RECOMMENDED THAT THE RIDE BE SITED ON A PLINTH, PLATFORM OR ANY FORM OF MATTING. DOING THIS WILL INCREASE THE HEIGHT OF THE RIDE FROM THE GROUND AND MAY CAUSE INJURY FROM FALLING OR TRIPPING.

2.1 A common sense approach should be adopted when siting Kiddie Rides. The following items are an indication, but not exhaustive:

2.1.1 Position the Ride on a level surface.

2.1.2 Wherever practical make sure there is adequate clearance all round the Ride to minimise the risk of injury to the passengers or public. If possible, a 1 metre clearance around the ride is recommended.

2.1.3 **DO NOT** obstruct emergency exits.

2.1.4 **DO NOT** obstruct fire appliances, hydrants etc.

2.1.5 If sited outside:

The socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a Residual Current Circuit Breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 millisecs.

DO NOT operate in adverse weather conditions.

NOTE

This ride is considered suitable for outdoor protected locations i.e. under a canopy, or cover and not in a position where the ride could be exposed to direct rain or snow, or other adverse weather conditions.

2.1.6 **DO NOT** locate the ride directly against the plug, which should remain accessible at all times

2.1.7 The ride is not suitable for installation or operation in an area where a water jet could be used

CAUTION

For safety reasons the electrical wiring is colour coded as follows:



2.1.8 For rides with 220-240 volt electrical supply, the wiring colour codes are:

Brown - live
Green/Yellow-earth
Blue – neutral.

2.1.9 For rides with 110-120 volt electrical supply, the wiring colour codes are:

Black - live
Green - earth
White – neutral.

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

INSTALLATION

Site d'installation

ATTENTION  **IL N'EST PAS RECOMMANDE DE CONDUIRE SUR UNE PENTE, RAMPE OU AUTRE AFIN DE NE PAS ELEVER LA HAUTEUR DU VEHICULE ET NE PAS CAUSER DE BLESSURES EN RAISON DE RENVERSEMENT OU D'ACCROCHAGE.**

2.1 Faites appel à votre bon sens quand vous choisissez le site d'installation des manèges pour enfants. Les points suivants sont donnés à titre indicatif mais ne sont pas exhaustifs:

2.1.1 Placer le manège sur une surface nivelée.

2.1.2 Dès lors que les conditions pratiques le permettent, s'assurer qu'il y a suffisamment d'espace tout autour du manège pour minimiser le risque de blessures pouvant être causées aux passagers ou au public. Si c'est possible, il est conseillé de laisser 1 mètre d'espace tout autour du manège.

2.1.3 **NE PAS** obstruer les sorties de secours.

2.1.4 **NE PAS** obstruer les bouches d'incendie et la voie de passage des voitures de pompiers.

2.1.5 Si le manège est situé à l'extérieur:

La fiche d'alimentation secteur devrait être branchée avec une prise mâle résistant aux intempéries et protégée en permanence par un disjoncteur de courant résiduel ou un disjoncteur différentiel ayant un taux de déclenchement ne dépassant pas 30 milliampères en 30 milli-secondes.

NE PAS faire fonctionner cette machine lors d'intempéries.

NOTE

On considère que ce manège est adapté à des endroits en plein air abrités, par exemple sous un toit, ou un abri et placé de sorte que le manège ne soit pas exposé directement à la pluie ou à la neige ou à d'autres intempéries.

2.1.6 **NE PAS** installer le manège directement contre la prise; cette dernière devrait toujours être accessible.

2.1.7 Il n'est pas convenable d'installer ou de faire marcher le manège dans un endroit où l'on pourrait utiliser des jets d'eau.

AVERTISSEMENT  **Pour des raisons de sécurité, le circuit électrique est repéré par couleurs comme indiqué ci-dessous:**

2.1.8. Pour les manèges alimentés en 220-240 volt, le circuit électrique est le suivant:

Marron : phase
Vert/Jaune : terre
Bleu : neutre.

2.1.9 Pour les manèges alimentés en 110-120 volt, le circuit électrique est le suivant:

Noir : phase
Vert : terre
Blanc : neutre.

ATTENTION



TOUJOURS DEBRANCHER LA MACHINE DE L'ALIMENTATION SECTEUR AVANT D'EFFECTUER TOUTE REPARATION OU TOUTE VERIFICATION.

JOLLY ROGER AMUSEMENT RIDES

OPERATION

General

3.1 A coin-operated Kiddie Ride should not be used unless a D.O.C. has been provided, indicating that the device is safe to operate (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). This regulation applies in the UK only.

JOLLY ROGER AMUSEMENT RIDES

MAINTENANCE

GENERAL

4.1 The rides do not require any periodic maintenance but, they should be checked regularly to make sure that they are in a safe condition for operation by the general public. In the unlikely event of the need to make adjustments or repairs to the machine, the following procedures are recommended.

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS, CARRY OUT ANY SERVICING OR MAINTENANCE.



Interactive timer/video programmable control unit

4.2 The interactive timer/video programmable control unit is located on the chassis structure underneath the ride. To gain access to the control unit position the ride on its side. To remove/refit the timer/video control unit proceed as follows:

4.2.1 Position the ride on its side and locate the interactive timer/video programmable control unit installed across the chassis.

4.2.2 Remove the two nuts located at each side of the unit.

4.2.3 The interactive timer/video programmable control unit may now be removed by lifting it up to disconnect the plugs and sockets.

4.2.4 The mode of operation may now be altered by referring to the basic configuration, as printed on its enclosure, or by referring to the advanced configuration referred to at para 4.8.

4.2.5 Refit the unit by connecting the plugs and sockets to each other and positioning it on the two locator bolts and gently lowering it back into position.

4.2.6 Refit the two nuts each side of the unit and secure. Make sure there is a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

4.2.7 Position the ride in its normal upright position.

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS, CARRY OUT ANY SERVICING OR MAINTENANCE.



Ram drive control unit

4.3 The ram drive control unit is located, on the chassis structure underneath the ride. To gain access to the control unit position the ride on its side. To remove/refit the ram drive control unit proceed as follows:

4.3.1 Position the ride on its side and locate the ram drive control unit installed across the chassis.

4.3.2 Remove the two nuts located at each side of the unit.

4.3.3 The ram drive control unit may now be removed by lifting it up to disconnect the plugs and sockets.

4.3.4 Refit the unit by connecting the plugs and sockets to each other and positioning it on the two locator bolts and gently lowering it back into position.

JOLLY ROGER AMUSEMENT RIDES

4.3.5 Refit the two nuts each side of the unit and secure. Make sure there is a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

4.3.6 Position the ride in its normal upright position.

Coin acceptor (mechanical)

4.4 To remove/refit the coin acceptor proceed as follows:

4.4.1 Remove the coin acceptor by turning the lock situated on the faceplate - the coin acceptor can now be removed from the machine and the wires pulled off the coin acceptor microswitch if desired.

NOTE

Make sure that the wires are reconnected on the correct terminals (C and NO).

4.4.2 To remove litter from the coin acceptor, slide off the spring clip on the top of the mechanism and remove side plate, then remove any litter or obstruction.

4.4.3 Refit the coin acceptor in reverse order to removal, make sure that the pins on the main coin acceptor body locate in the dimples on the side plate.

4.4.4 Adjusting screws for coin diameter and thickness are also located on the side plate, these are factory set and should not normally require alteration.

Coin acceptor (electronic) MARS

4.5 To remove/refit the coin acceptor proceed as follows:

4.5.1 Remove the coin acceptor by turning the lock situated on the faceplate and disconnect the cable plug from the printed circuit board on the mechanism - the coin acceptor can now be removed from the machine.

4.5.2 To remove litter from the coin acceptor, pull the hinged side plate sideways and remove any litter or obstruction. Release hinged side plate.

4.5.3 Refit the coin acceptor in reverse order to removal, make sure that the cable plug is reconnected to the printed circuit board on the mechanism.

WARNING NEVER REMOVE OR REPLACE AN ELECTRONIC MECHANISM WITH THE POWER SUPPLY SWITCHED ON.



Electronic coin mechanism MARS - switch positions

4.6 To inhibit coins:

With machine switched on:

4.6.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = ON.

4.6.2 Press reject button within 20 seconds of setting slide switches.

4.6.3 Insert all coins to be inhibited.

4.6.4 Press reject button within 20 seconds of inserting coins. Inhibited coins should now be rejected.

JOLLY ROGER AMUSEMENT RIDES

4.7 To re-enable inhibited coins:

With machine switched on:

4.7.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = OFF.

4.7.2 Press reject button within 20 seconds of setting slide switches.

4.7.3 Insert all coins to be re-enabled.

4.7.4 Press reject button within 20 seconds of inserting coins. Previously inhibited coins should now be accepted.

NOTE

Mechanism must be powered up before changing switch positions. Switch positions must be moved prior to attempting either of the above.

JOLLY ROGER AMUSEMENT RIDES

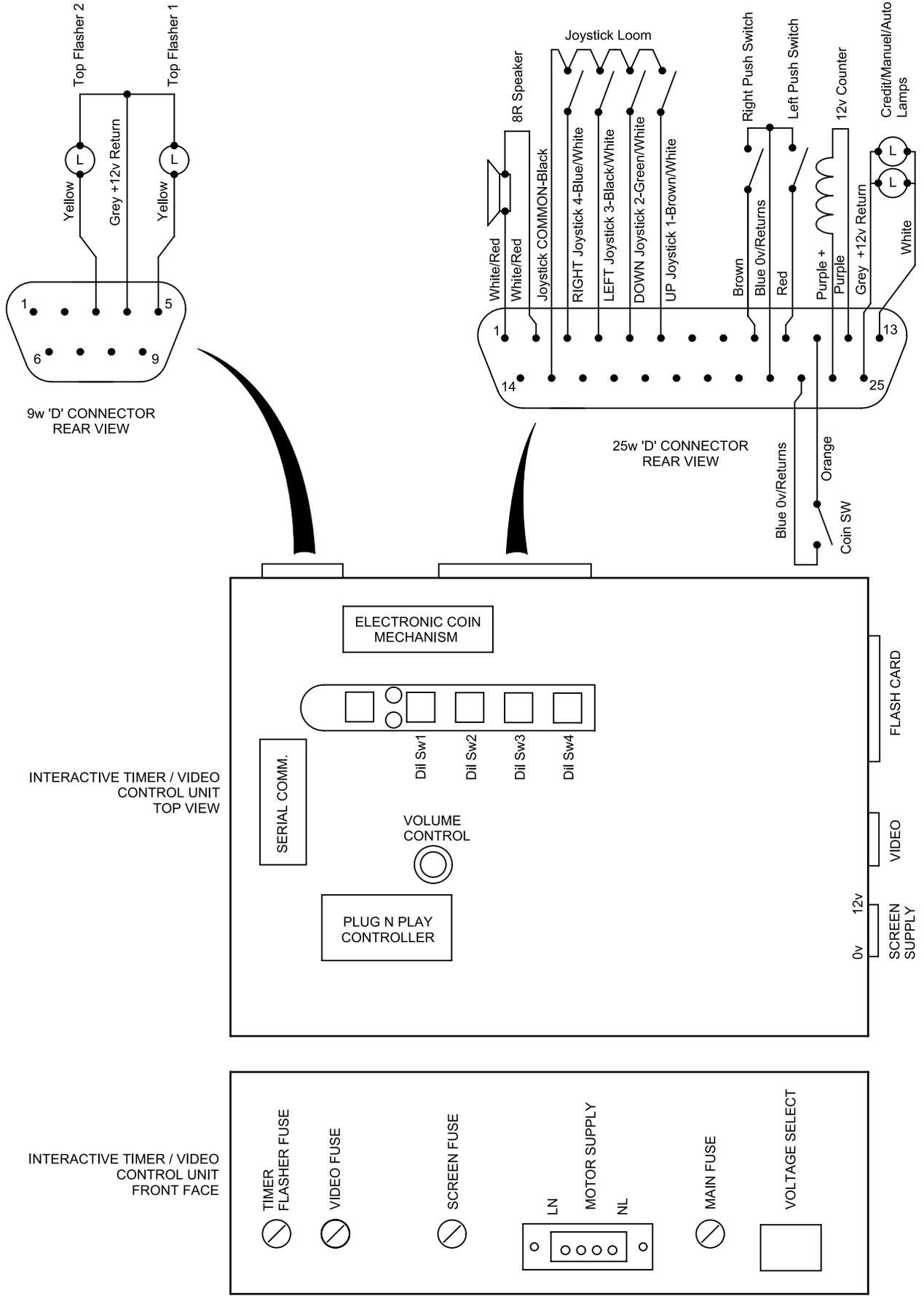


Fig 1 Interactive timer/video programmable control unit

JOLLY ROGER AMUSEMENT RIDES

Stamar interactive timer/video programmable kiddie ride controller configuration instructions

4.8 The “interactive timer/video programmable control unit has four externally accessible DIL switches, SW1, SW2, SW3 and SW4, which are used to select the most popular modes of operation.

NOTES

1. It is advisable to remove the control unit from the ride as this will assist viewing the switches and referring to these instructions. The control unit can be easily “unplugged” from the ride **AFTER POWER TO THE RIDE HAS BEEN SWITCHED OFF** and the two mounting attachments have been removed.
2. All alterations to these switches should only be made after power to the ride has been turned off as this will avoid any unintentional damage to the control unit and/or the ride.

SW1 - Sets the price of play value or credit program options.

4.9 The SW1 switch is used to set price at play value or credit program options.

NOTES

1. The setting for **either** “price of play” **or** “credits” on SW1 as shown below are selected using **SW3/S4** as shown in SW3 settings below.

i.e. SW3/S4 must be set to On if “Price of Play” options are required.

SW3/S4 must be set to Off if “Credit Programs” are required.

2. The **Price of Play** refers to multiples of the **Base Coinage** that the coin mechanism has been programmed to accept:

- UK Mechanism. The mechanism is programmed for a 10p base and gives play values from 10p (1 coin) to £1.50 (15 coin).
- USA Mechanism. The mechanism is programmed for a 25c base and gives play values from 25c (1 coin) to \$3.75 (15 coin).
- Euro Mechanism. The mechanism is programmed for a 10c base and gives play values from 10c (1 coin) to 1.50 (15 coin).

JOLLY ROGER AMUSEMENT RIDES

NOTE

In the following table the **Price of Play/Base Coinage Selection** - 15 Coin will be added and available to the the user from late 2004.

SW1

S1	S2	S3	S4	Price Of Play Selected	Or	Pre - Programmed Credit Options Available
on	off	off	off	1 Coin	Or	30 P 1 RIDE 50 P 2 RIDES £1 5 RIDES
off	on	off	off	2 Coin	Or	20 P 1 RIDE 50 P 3 RIDES
on	on	off	off	3 Coin	Or	40 P 1 RIDE £1 3 RIDES
off	off	on	off	4 Coin	Or	50 P 1 RIDE £1 £2 3 RIDES 3 RIDES 6 RIDES
on	off	on	off	5 Coin	Or	60 P 1 RIDE £1 £2 2 RIDES 2 RIDES 5 RIDES
off	on	on	off	6 Coin	Or	10 P 1 RIDE 30 P 4 RIDES
on	on	on	off	7 Coin	Or	£1 1 RIDE £2 3 RIDES
off	off	off	on	8 Coin	Or	£2 1 RIDE
on	off	off	on	9 Coin	Or	20 P 1 RIDE 40 P 3 RIDES
off	on	off	on	10 Coin	Or	10 P 1 RIDE 20 P 3 RIDES
on	on	off	on	11 Coin	Or	60p 1 RIDE £1 £2 2 RIDES 2 RIDES 4 RIDES
off	off	on	on	12 Coin	Or	70p 1 RIDE £1 £2 2 RIDES 2 RIDES 4 RIDES
on	off	on	on	13 Coin	Or	
off	on	on	on	14 Coin	Or	Free Play For Exhibition Or Test Use
on	on	on	on		Or	
off	off	off	off			

JOLLY ROGER AMUSEMENT RIDES

SW2 - Ride time

4.10 SW2 is used to set the ride time. The ride time can be set from 30 seconds to 120 seconds in 15 second increments or to run for as long as the main background soundtrack.

SW2

Ride Time	S1	S2	S3	S4
30 secs	off	off	off	OFF
45 secs	on	off	off	OFF
60 secs	off	on	off	OFF
75 secs	on	on	off	OFF
90 secs	off	off	on	OFF
105 secs	on	off	on	OFF
120 secs	off	on	on	OFF
Ride time set to soundtrack	on	on	on	OFF

NOTE

S4 is used for a diagnostic test sequence during manufacture and under normal operating conditions is not used and must be set to the **OFF** position.

SW3 - Additional ride features

4.11 SW3 selects additional ride features and should be set as shown in the following table:

SW3

	S1	S2	S3	S4
Prompt phrases On/Off	On/Off	x	x	x
Attract sounds On/Off	x	On/Off	x	x
Count no. of Rides	x	x	On	x
Count No. of Coins (coin mech. Base coin value)	x	x	Off	x
Select <i>Price of Play</i> options	x	x	x	On
Select <i>Credit Program</i> options	x	x	x	Off

JOLLY ROGER AMUSEMENT RIDES

SW 4 - Ram control options

WARNING  **TO PREVENT DAMAGE OCCURRING TO THE RIDE - SW4 MUST ONLY BE SET AS SHOWN IN THE FOLLOWING TABLE. FAILURE TO OBEY THIS WARNING WILL MAKE THE RIDE INOPERABLE.**

4.12 SW4 selects additional ram control options and should be set as shown in the following table:

SW4

	S1	S2	S3	S4
Ride is fitted with standard AC motor	Off	x	x	x
Ride is fitted with DC ram actuators	On	x	x	x
Level ride calibration mode	x	x	x	On

Level Ride Calibration Sequence

4.13 The level ride calibration sequence can be used to fine tune the rides level position if new rams are fitted, a new interactive ram unit is fitted or if for any other reason the ride is not powering up in a level condition.

- 4.13.1 Turn the ride OFF.
- 4.13.2 Set SW4/S4 to the ON position.
- 4.13.3 Turn the ride ON.
- 4.13.4 Follow the on-screen instructions.
- 4.13.5 Turn the ride OFF.
- 4.13.6 Set SW4/S4 to the OFF position.
- 4.13.7 Turn the ride ON.

Fuses

4.14 All fuses are “anti-surge” rated, they are located in the front face of the timer/video control unit and the ram drive control unit. Never replace fuses with a higher value than recommended. The following tables shows the fuse values applicable to the interactive ride:

Fusing values - Timer/Video system

Timer/Flasher fuse	3.15A
Video fuse	1A
Screen fuse	3.15A
Main fuse - 240v	3.15A
Main fuse - 110v	6.3A

JOLLY ROGER AMUSEMENT RIDES

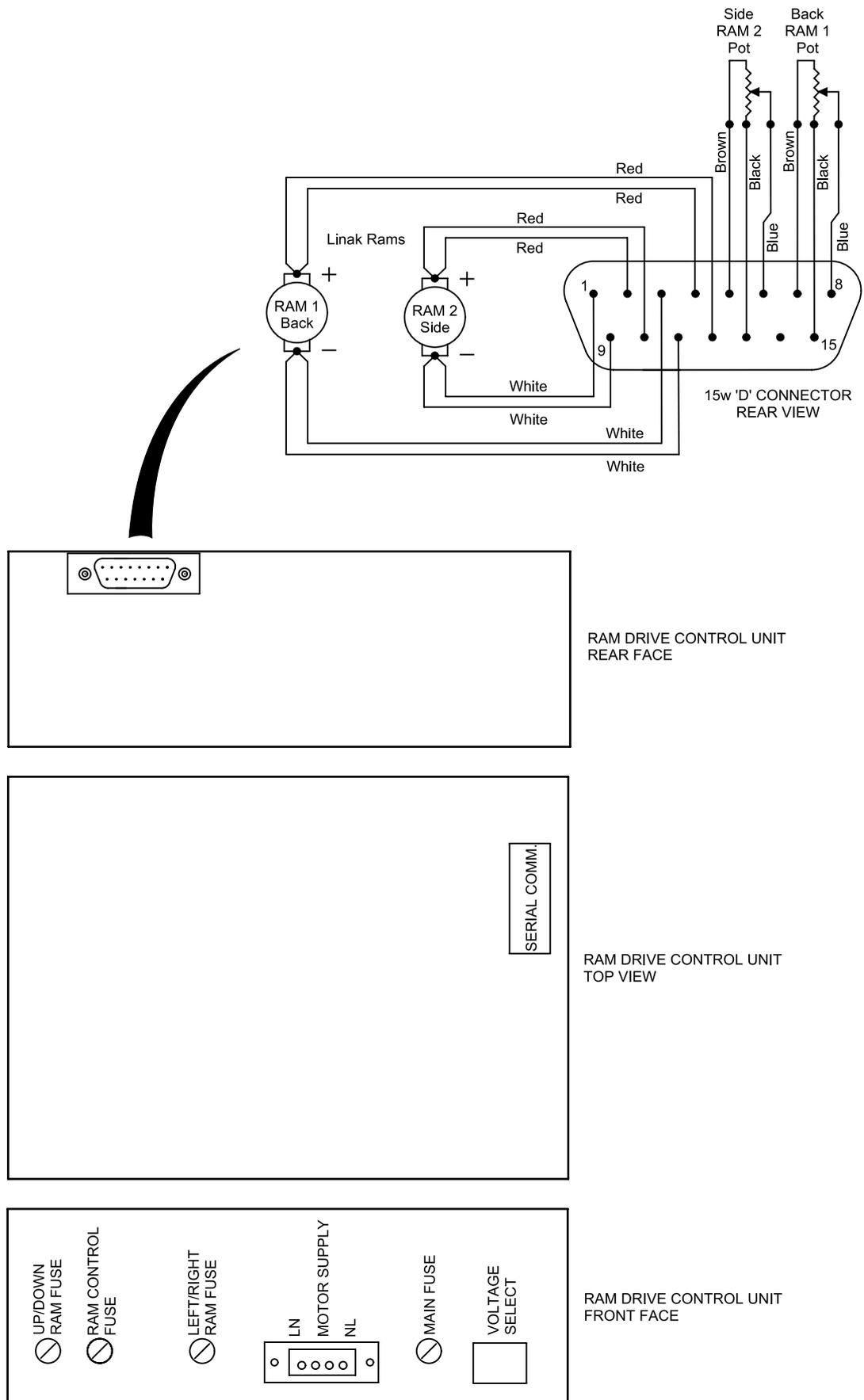


Fig 2 Ram drive control unit

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Fusing values - Ram drive system

Up/Down ram fuse	3.15A
Ram control fuse	1A
Left/Right ram fuse	3.15A
Main fuse - 240v	3.15A
Main fuse - 110v	6.3A

Volume adjustment

4.15 The volume adjuster is located on the front of the video/timer control unit. To gain access to the volume adjuster position the ride on its side and locate the front of the video/timer control unit installed across the chassis structure. Rotate the volume adjuster - clockwise or counter-clockwise to obtain the required volume.

Video monitor

4.16 The video monitor (protected by a toughened clear glass screen) is located in the windscreen framework facing the ride seat. To remove/refit the video monitor proceed as follows:

NOTE

When removing and refitting the video monitor take care when handling the toughened clear glass protective screen.

4.16.1 Remove the monitor attachment fittings securing the monitor to the windscreen framework.

4.16.2 Disconnect the power input and video input connectors from the monitor and withdraw the monitor from the windscreen framework.

4.16.3 Refit the monitor by connecting the video input and power input connectors to the monitor.

4.16.4 Make sure there is a good connection between the video input and power input connectors. A poor connection could result in failure of the monitor. Locate the monitor into the windscreen framework.

4.16.5 Refit the monitor attachment fittings and secure the monitor to the windscreen framework.

Bearings

4.17 All bearings are greased for life and should normally not be re-packed with grease. However, in certain circumstances the bearings may require lubrication. If this situation arises, apply grease sparingly.

Body and other mouldings

4.18 Clean with damp cloth rinsed out in soapy water, do not hose down or flood the machine. Alternatively, a proprietary household furniture cleaner may be used.

Removal of body shell

NOTE

Refer to Figure 5 in Spare Parts section for item numbers.

4.19 To remove the body shell

4.19.1 Remove the four bolts, (Fig 5, item 9) spring washers (Fig 5, item 10), and washers (Fig 5, item 11) situated under the body shell, which attach the body to the chassis.

JOLLY ROGER AMUSEMENT RIDES

4.19.2 Disconnect the electrical wiring underneath the body shell by undoing the plug and socket connector.

4.19.3 Remove body shell.

Interactive Ram Units

4.20 The two interactive ram units are “sealed for life units” and should not be tampered with. The ram units are installed to the ride chassis structure. No maintenance is necessary as the units are repaired by replacement. To replace the a ram unit proceed as follows:

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS, CARRY OUT ANY SERVICING OR MAINTENANCE.



4.20.1 Disconnect the machine from the electrical power supply.

4.20.2 Gain access to the ram unit.

4.20.3 Disconnect the ram unit electrical connector.

4.20.4 Remove the nut, bolt and washer assemblies that secure the ram unit to the chassis.

4.20.5 Remove the ram unit from the ride.

4.20.6 Install the new ram unit in position and secure to the chassis with the nut, bolt and washer assemblies.

4.20.7 Connect the ram unit electrical connector.

4.20.8 Connect the electrical power and test the ride.

4.20.9 If necessary proceed with the ride level calibration sequence, Para 4.13.

Daily checks

4.21 A check of each coin-operated Kiddie Ride should, whenever reasonably practical, be carried out each day before it is made available for the public. The following checks are recommended:

4.21.1 Check that the mains plug is undamaged and securely attached to the mains cable.

4.21.2 Check that the mains cable is undamaged.

4.21.3 Check that there are no broken or damaged parts of the ride that may cause injury.

4.21.4 Check that all guards are in place thus preventing any access to the mechanism.

4.21.5 Apply pressure to the ride to make sure that it is firmly secured to the base stem and check that all advisory literature is in place.

4.21.6 Make sure the area around the ride is free from obstruction and that persons passing by are not in any danger.

4.21.7 The ride should be kept clean and free from any customised additions unless approved by the manufacturer.

4.22 If as a result of the above visual checks any doubt arises, then the company, supplier or person responsible for the ride should be notified immediately.

JOLLY ROGER AMUSEMENT RIDES

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SPARE PARTS

1. The machine serial number (if given) on the reference plate must always be quoted.
2. Quote the full part number and description as set out in the list.
3. State precisely how parts are to be despatched.
Home: By post, carrier or road transport.
Overseas: By sea freight, airmail or air freight.
4. Keep orders separate from other correspondence.
5. Foreign orders must be sent through our accredited agent, an established London House, or accompanied by a remittance.
6. Replacement parts which are not of genuine Jolly Roger supply, cannot be relied upon to be to the correct specification, material or workmanship. Jolly Roger therefore cannot be expected to extend their Warranty to Kiddies Rides which have been fitted with parts which Jolly Roger has not supplied.
7. Jolly Roger reserve the right to make changes or improvements in the construction or specification of their products at any time.

Conditions of Business

1. Particulars given in this list are subject to withdrawal and alteration without notice.
2. All quotations are subject to confirmation before acceptance of order.
3. All goods are supplied on the conditions that Jolly Roger shall not be liable for any direct or consequential damage arising from delay in delivery or from defective material, other than is covered by our usual form of guarantee.
4. Whilst every effort is made to ensure the accuracy of the particulars contained in this book, modifications and specification changes to the Kiddies Ride are on-going. These may affect the information specified. No responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of information in this book not being in accord with modifications or Kiddies Ride specification changes which are subsequent to the date of this book. Also, no responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of any misinterpretation of the information specified in this parts book.

JOLLY ROGER AMUSEMENT RIDES

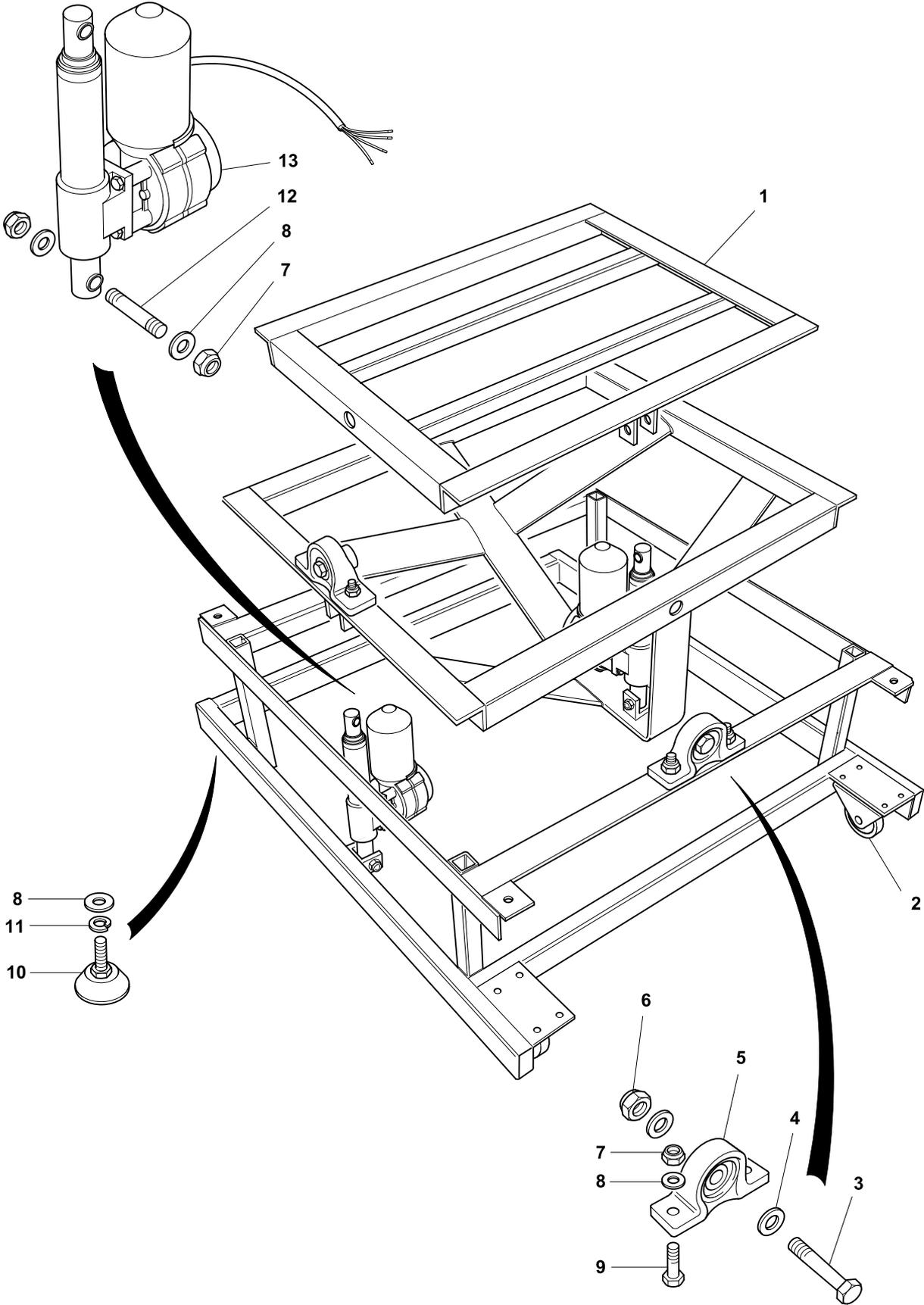


Fig 3 Chassis assembly

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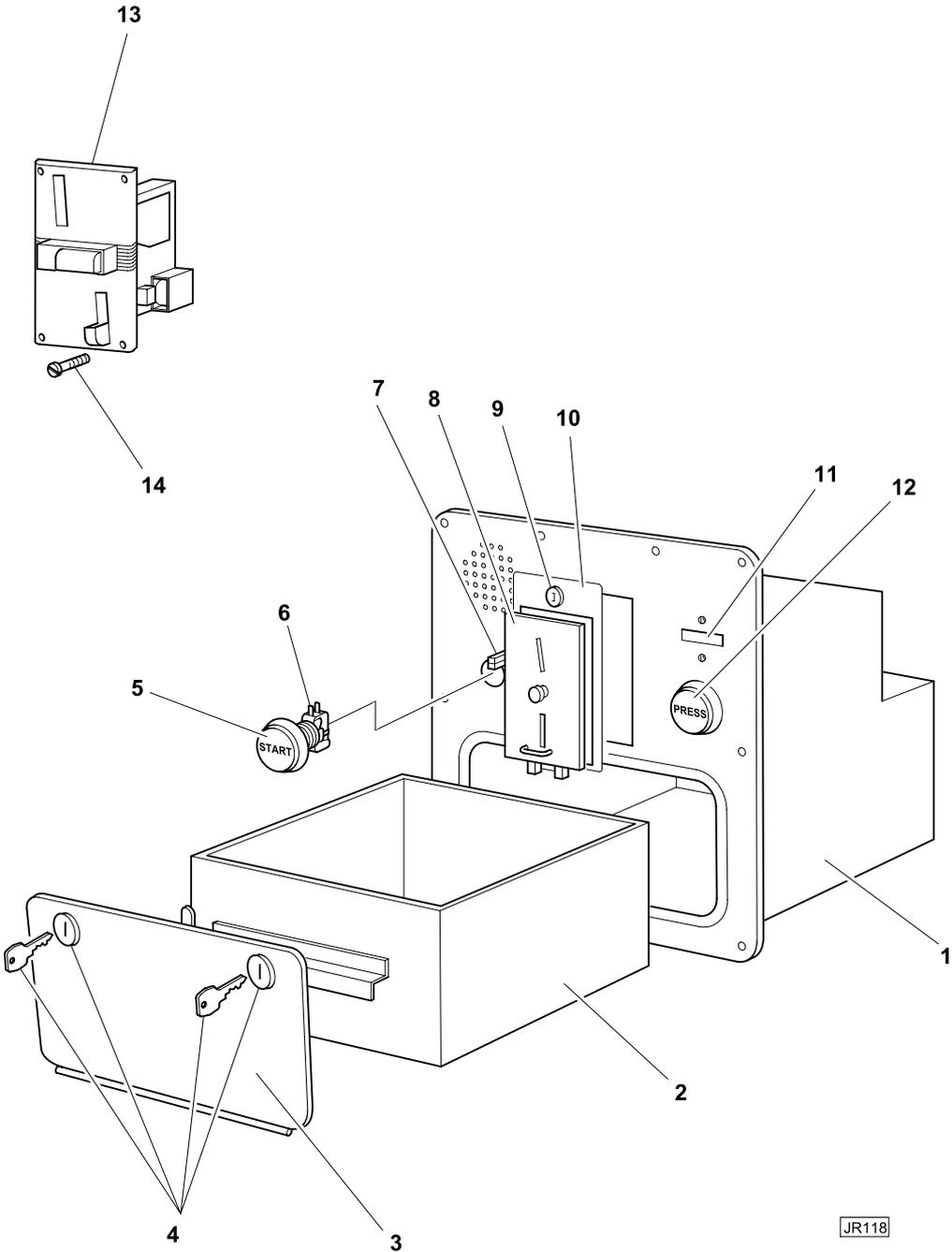
Parts list - Chassis assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	3000019	Chassis assembly, comprising:	-
1	3100005	Chassis	1
-	3100006	Upper frame	1
-	3100007	Middle frame	1
-	3100008	Lower frame	1
2	5120002	Castor	2
3	7000707	Bolt, M12 x 50	8
4	7600300	Washer, M12	4
5	6000000	Housing, bearing assembly, NP12	4
6	7700300	Nut, M12, Nyloc	4
7	7700200	Nut, M10, Nyloc	12
8	7600200	Washer, M10	14
9	7000604	Bolt, M10 x 35	8
10	3800000	Foot, rubber	2
11	7600201	Washer, M10, spring	2
12	8210001	Shaft, pivot	2
13	2000002	Actuator	2

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES



JR118

Fig 4 Coin collection assembly (System 4000)

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Parts list - Coin collection assembly (System 4000)

† Item not illustrated

Item No	Part No	Description	QTY
-	4000006	Coin collection assembly comprising:	-
1	4100020	Housing	1
2	4100001	Cash box	1
3	4100021	Door	1
4	9300006	Lock complete with keys	2
5	2520008	Switch, pushbutton, round, START, green	1
-	† 2920008	Bulb, 2.2 watt, wedge	1
6	2520010	Microswitch	1
7	2500000	Microswitch, coin acceptor	1
8	4200008	Coin acceptor	1
9	9300004	Lock complete with keys	1
10	4200009	Plate, coin acceptor	1
11	2100009	Counter, coin impulse (fitted internally)	1
12	2520009	Switch, pushbutton, round, PRESS, red	1
-	† 2920008	Bulb, 2.2 watt wedge	1
-	† 2520010	Microswitch	1
13	4200005	Coin acceptor, electronic assembly (optional) comprising:	1
-	† 4200006	Mechanism, electronic coin acceptor	1
-	† 4200007	Wiring loom, electronic coin acceptor	1
14	7200000	Screw, cap head, M4 x 20	4
-	† 2600000	Loudspeaker	1

Note: Refer to manufacturer when ordering items from this list.

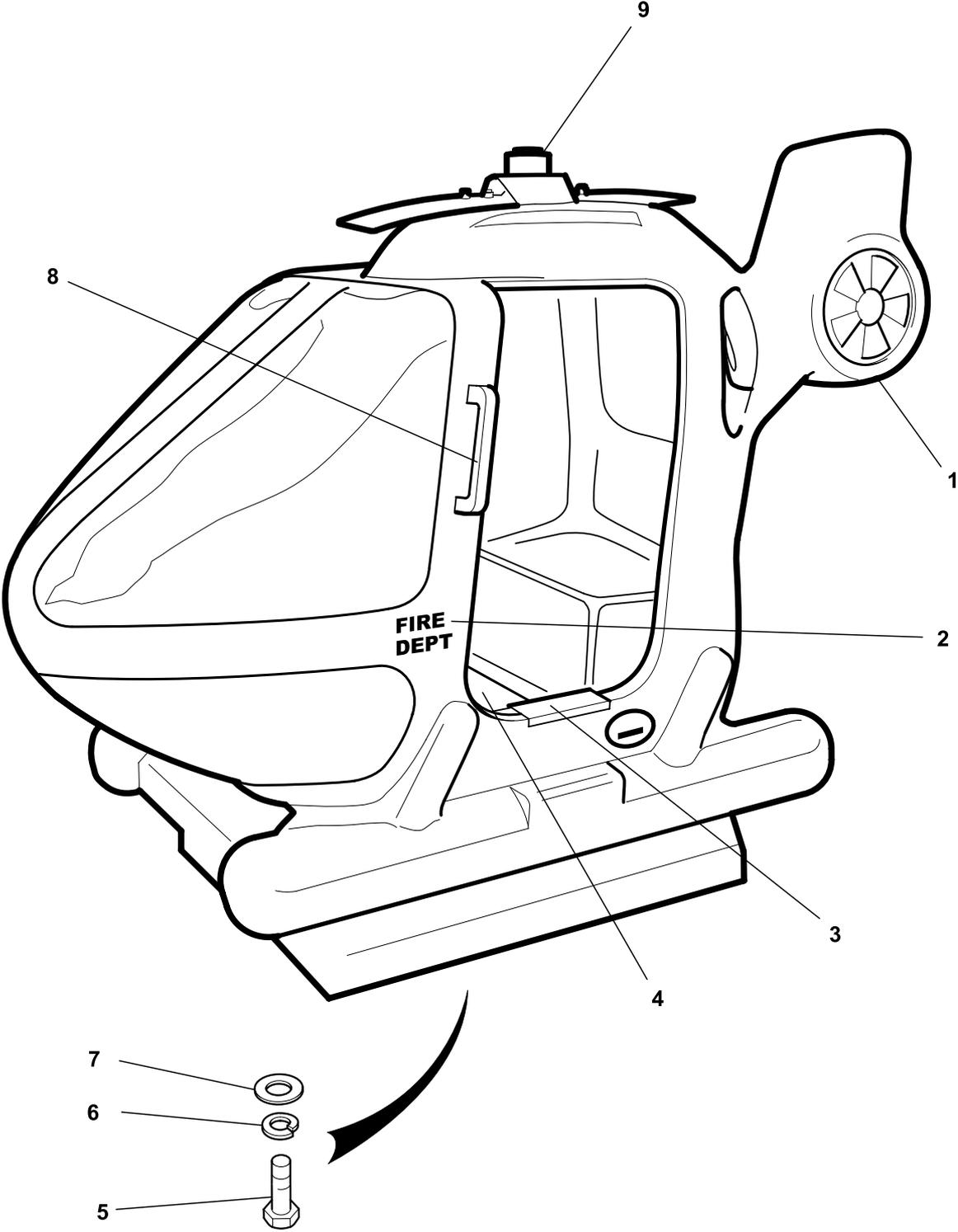


Fig 5 Body shell assembly

JOLLY ROGER AMUSEMENT RIDES

Parts list - Body shell assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	1080068	Body shell assembly, comprising:	-
1	1100068	Moulding, body	1
2	1700068	Decal set	1
3	1300001	Step edge, 6 inch	1
4	1300071	Floor tread	1
5	7000602	Bolt, M10 x 35, Hexagon head	4
6	7600201	Washer, spring M10	4
7	7600200	Washer, M10	4
8	1200002	Handle, small	1
9	2900020	Lamp, type G, Amber	1
-	† 2920008	Bulb, 24 volt, 10 watt,	AR
-	† 2920515	Lamp, lens type G, Amber	1
-	† 2520011	Joystick	1
-	† 7300008	Screw, button head, hexagon socket, M5x20	4
-	† 7700002	Nut, M5, nyloc	4

Note: For coin acceptor and cash box details see coin collection assembly parts list

Note: Refer to manufacturer when ordering items from this list

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Parts list - Timer/video & ram controllers

† Item not illustrated

Item No.	Part No.	Description	QTY
-	† 2900519	Timer/video control unit	1
-	† 2900520	S. Video lead	1
-	† 2900522	Extended electronic mech. lead	1
-	† 2900523	Power supply 120VA transformer	1
-	† 2900524	Power supply PCB assembly	1
-	† 2900525	Timer/video PCB assembly	1
-	† 2900526	12v Cooling fan	1
-	† 2900528	Ram control unit	1
-	† 2900529	Power supply 160VA transformer	1
-	† 2900530	Power supply PCB assembly	1
-	† 2900531	Ram controller PCB assembly	1
-	† 2900526	12v Fan	1

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with the BACTA Industry Standard, the HSE Fairgrounds and Amusement Parks A Code of Safe practice, the Health and Safety at Work Act 1974. (All applicable in the United Kingdom).

THIS CERTIFICATE DOES NOT EXONERATE THE OPERATOR FROM REGULAR CHECKING AND MAINTENANCE OF THE MACHINE TO WHICH IT APPLIES.

Jolly Roger (Amusement Rides) Ltd.
College View Works,
Manby Road,
Grimoldby, Louth,
Lincolnshire,
England. LN11 8HE

Telephone (01507) 328856 Telefax (01507) 327060

E-mail: sales@jolly-roger.co.uk

JOLLY ROGER AMUSEMENT RIDES

Jolly Roger (Amusement Rides) Ltd.

College View Works,
Manby Road,
Grimoldby,
Louth,
Lincolnshire,
England. LN11 8HE

Telephone: + 44 (0)1507 328856
Fax: + 44 (0)1507 327060
E-mail: sales@jolly-roger.co.uk

EC DECLARATION OF CONFORMITY

Manufacturer: As above

Details of Electrical Equipment

Type No.: 2

Description: Coin-operated Childrens Ride

Directives this equipment complies with: Electrical Equipment (Safety) Regulations 1994, SI No3260 (Regulation 5. (1)).
Electromagnetic Compatability Directive 89/336/EEC
Low voltage directive 72/23/EEC (article 2) as amended by 93/68/EEC.

Harmonised standards applied in order to verify compliance with Directives: EN 50081-1:1992
EN 50082-1:1992
EN 60335-1:1994 inc. AMDS A11, A1, A12, A13, A14, A2, A15 and A16 - Safety of Household and Similar Electrical Appliance.
EN 55014-1: 1993 EN61000-3-2:1995 + A1: 1998 + A2: 1998
EN 61000-3-3: 1995 EN55014-2: 1997 Category 2
EN 60335-2-82: 2000 - Particular Requirements for Service Machines and Amusement Machines

Year in which CE mark was affixed: 2004

Authorised Signatory:

Manufacturer



Date of Issue

1st January 2004

Name: R.J.Newborough

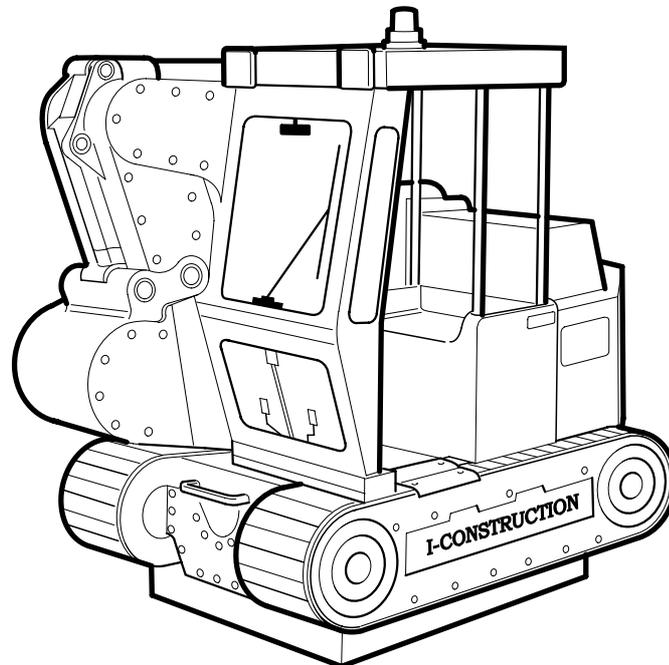
Position: Managing Director

Place of Issue

Grimoldby, England

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**I-CON INTERACTIVE
EXCAVATOR
HANDBOOK**

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JOLLY ROGER (Amusement Rides) Ltd reserves the right to make changes, for the purpose of product improvement, at any time.

Jolly Roger (Amusement Rides) Ltd. College View Works, Manby Road, Grimoldby, Louth, Lincolnshire, England. LN11 8HE.

Telephone: + 44 (0) 1507 328856

Fax: + 44 (0) 1507 327060

E-mail: sales@jolly-roger.co.uk

This handbook was prepared for Jolly Roger (Amusement Rides) Ltd
by
Bowne Global Solutions Ltd.,
Cophall Terrace,
Coventry,
United Kingdom
CV1 2FP

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

INTRODUCTION

Thank you for purchasing your new Kiddie Ride from Jolly Roger (Amusement Rides) Limited and we trust it will give many years of trouble-free profitable service.

Whilst this booklet has been produced primarily with our United Kingdom and European customers in mind, it will certainly be of benefit to other users worldwide.

Reference is made to the United Kingdom Health and Safety at Work Act - Code of Safe Practice at Fairs (which specifically includes coin operated Children's Rides), the Industry Standard for the construction, operation and use of coin-operated Children's Rides, and the EC Declaration of Conformity (CE Mark).

The Rides comply with United Kingdom and European Community regulations.

The rides are designed for intermittent use and the maximum anticipated duty cycle is 30 operations per hour.

The guidance given in this publication is relevant to the safe operation of children's rides wherever they may be operated.

WARNINGS & CAUTIONS

The international safety sign is used throughout this Handbook where specific safety precautions are detailed. The sign is positioned so that the precautions are readily identifiable.

INTERNATIONAL SAFETY SIGN

WARNING



WARNINGS

Warnings call attention to instructions, which must be followed precisely to avoid injury or death.

CAUTIONS

Cautions call attention to instructions, which must be followed precisely to avoid damaging the equipment.

JOLLY ROGER AMUSEMENT RIDES

HEALTH AND SAFETY - CODE OF SAFE PRACTICE AT FAIRS - INDUSTRY STANDARDS

(UNITED KINGDOM)

- 1.1 Our equipment has been manufactured to the highest standard of construction and safety in order to conform to the H.S.E. Fairground and Amusement Parks, A Code of Safe Practice and the U.K. Health and Safety at Work Act 1974.
- 1.2 This machine must be earthed. (CONNECTED TO GROUND)
- 1.3 If a 13 Amp BS1363 plug is fitted then a 5 amp fuse should be fitted. (UK only)
- 1.4 If the ride is to be situated outdoors, the socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a residual current circuit breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.
- 1.5 In addition to our manufacturer's test and the daily checks every ride shall be subject to a Thorough Examination by an appointed person once every period of 14 months. (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). The regulation applies in the UK only, however it is sound operating practice wherever a ride is operated.
- 1.6 The appointed person need not be independent, but should be at least 21 years old, registered under the Amusement Device Inspection Procedures Scheme (ADIPS) and be competent by such qualifications, knowledge, experience and supporting services to be able to make an assessment of the safety of the ride, including any associated equipment/parts e.g. electrical, hydraulic or pneumatic.
- 1.7 The appointed person should have the technical competence to recognise the significance of the effects of stresses, loadings and fatigue and also be competent to determine the extent of permissible wear.
- 1.8 The Thorough Examination is to be carried out by a registered body in accordance with the regulations laid down in the Health and Safety at Work Act 1974 (Fairgrounds and Amusements Parks-Guidance on Safe Practice, HSG 175). A Report of Inspection is to be completed after the Thorough Examination. (Applicable in UK only).
- 1.9 On completion of the Thorough Examination, a Declaration of Operational Compliance (DOC) certificate is to be issued which must be retained for a period of ten years and be available for inspection by the Health and Safety Inspectorate and/or the appropriate officer of the Environmental Health Department of a Local authority. (Applicable in UK only).

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



- 1.10 If considered necessary, further protection to the power supply may be afforded by conduit, trunking, or rubber protector strip with tapered edges and non-slip ribbed bases. Care is needed to avoid a tripping hazard.
- 1.11 The Kiddie Rides should be so sited that the length of cable between the ride and socket outlet is a minimum. For floor mounted socket outlets, the ride may be positioned so that there is virtually no exposed cable.
- 1.12 Galvanised steel braided armoured cable and flexible copper braided cable cannot be satisfactorily terminated in a 13 amp standard (BS 1363) plug. Such cables can be terminated in industrial type plugs BS 196 or BS 4343 or equivalent, but these require the special suitable sockets. (Applicable in UK only).

JOLLY ROGER AMUSEMENT RIDES

INSTALLATION

Siting

WARNING



IT IS NOT RECOMMENDED THAT THE RIDE BE SITED ON A PLINTH, PLATFORM OR ANY FORM OF MATTING. DOING THIS WILL INCREASE THE HEIGHT OF THE RIDE FROM THE GROUND AND MAY CAUSE INJURY FROM FALLING OR TRIPPING.

2.1 A common sense approach should be adopted when siting Kiddie Rides. The following items are an indication, but not exhaustive:

2.1.1 Position the Ride on a level surface.

2.1.2 Wherever practical make sure there is adequate clearance all round the Ride to minimise the risk of injury to the passengers or public. If possible, a 1 metre clearance around the ride is recommended.

2.1.3 **DO NOT** obstruct emergency exits.

2.1.4 **DO NOT** obstruct fire appliances, hydrants etc.

2.1.5 If sited outside:

The socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a Residual Current Circuit Breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 millisecs.

DO NOT operate in adverse weather conditions.

NOTE

This ride is considered suitable for outdoor protected locations i.e. under a canopy, or cover and not in a position where the ride could be exposed to direct rain or snow, or other adverse weather conditions.

2.1.6 **DO NOT** locate the ride directly against the plug, which should remain accessible at all times

2.1.7 The ride is not suitable for installation or operation in an area where a water jet could be used

CAUTION

For safety reasons the electrical wiring is colour coded as follows:



2.1.8 For rides with 220-240 volt electrical supply, the wiring colour codes are:

Brown - live
Green/Yellow-earth
Blue – neutral.

2.1.9 For rides with 110-120 volt electrical supply, the wiring colour codes are:

Black - live
Green - earth
White – neutral.

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

INSTALLATION

Site d'installation

ATTENTION  **IL N'EST PAS RECOMMANDE DE CONDUIRE SUR UNE PENTE, RAMPE OU AUTRE AFIN DE NE PAS ELEVER LA HAUTEUR DU VEHICULE ET NE PAS CAUSER DE BLESSURES EN RAISON DE RENVERSEMENT OU D'ACCROCHAGE.**

2.1 Faites appel à votre bon sens quand vous choisissez le site d'installation des manèges pour enfants. Les points suivants sont donnés à titre indicatif mais ne sont pas exhaustifs:

2.1.1 Placer le manège sur une surface nivelée.

2.1.2 Dès lors que les conditions pratiques le permettent, s'assurer qu'il y a suffisamment d'espace tout autour du manège pour minimiser le risque de blessures pouvant être causées aux passagers ou au public. Si c'est possible, il est conseillé de laisser 1 mètre d'espace tout autour du manège.

2.1.3 **NE PAS** obstruer les sorties de secours.

2.1.4 **NE PAS** obstruer les bouches d'incendie et la voie de passage des voitures de pompiers.

2.1.5 Si le manège est situé à l'extérieur:

La fiche d'alimentation secteur devrait être branchée avec une prise mâle résistant aux intempéries et protégée en permanence par un disjoncteur de courant résiduel ou un disjoncteur différentiel ayant un taux de déclenchement ne dépassant pas 30 milliampères en 30 milli-secondes.

NE PAS faire fonctionner cette machine lors d'intempéries.

NOTE

On considère que ce manège est adapté à des endroits en plein air abrités, par exemple sous un toit, ou un abri et placé de sorte que le manège ne soit pas exposé directement à la pluie ou à la neige ou à d'autres intempéries.

2.1.6 **NE PAS** installer le manège directement contre la prise; cette dernière devrait toujours être accessible.

2.1.7 Il n'est pas convenable d'installer ou de faire marcher le manège dans un endroit où l'on pourrait utiliser des jets d'eau.

AVERTISSEMENT  **Pour des raisons de sécurité, le circuit électrique est repéré par couleurs comme indiqué ci-dessous:**

2.1.8. Pour les manèges alimentés en 220-240 volt, le circuit électrique est le suivant:

Marron : phase
Vert/Jaune : terre
Bleu : neutre.

2.1.9 Pour les manèges alimentés en 110-120 volt, le circuit électrique est le suivant:

Noir : phase
Vert : terre
Blanc : neutre.

ATTENTION



TOUJOURS DEBRANCHER LA MACHINE DE L'ALIMENTATION SECTEUR AVANT D'EFFECTUER TOUTE REPARATION OU TOUTE VERIFICATION.

JOLLY ROGER AMUSEMENT RIDES

OPERATION

General

3.1 A coin-operated Kiddie Ride should not be used unless a D.O.C. has been provided, indicating that the device is safe to operate (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). This regulation applies in the UK only.

JOLLY ROGER AMUSEMENT RIDES

MAINTENANCE

GENERAL

4.1 The rides do not require any periodic maintenance but, they should be checked regularly to make sure that they are in a safe condition for operation by the general public. In the unlikely event of the need to make adjustments or repairs to the machine, the following procedures are recommended.

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS, CARRY OUT ANY SERVICING OR MAINTENANCE.



Interactive timer/video programmable control unit

4.2 The interactive timer/video programmable control unit is located inside the lockable access door on the right-hand side of the ride. To remove/refit the timer/video control unit proceed as follows:

4.2.1 Unlock and open the access door located on the right-hand side of the ride and locate the interactive timer/video programmable control unit to the right of the ram drive control unit.

4.2.2 Remove the two nuts located at each side of the unit.

4.2.3 The interactive timer/video programmable control unit may now be removed by lifting it up to disconnect the plugs and sockets. The unit can now be withdraw through the lockable access door opening.

4.2.4 The mode of operation may now be altered by referring to the basic configuration, as printed on its enclosure, or by referring to the advanced configuration referred to at para 4.8.

4.2.5 Refit the unit by connecting the plugs and sockets to each other and positioning it on the two locator bolts and gently lowering it back into position.

4.2.6 Refit the two nuts each side of the unit and secure. Make sure there is a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

4.2.7 Close and lock the access door.

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS, CARRY OUT ANY SERVICING OR MAINTENANCE.



Ram drive control unit

4.3 The ram drive control unit is located, inside the lockable access door, on the right-hand side of the ride. To remove/refit the ram drive control unit proceed as follows:

4.3.1 Unlock and open the access door located on the right-hand side of the ride and locate the ram drive control unit to the left of the interactive timer/video programmable control unit.

4.3.2 Remove the two nuts located at each side of the unit.

4.3.3 The ram drive control unit may now be removed by lifting it up to disconnect the plugs and sockets. The unit can now be withdraw through the lockable access door opening.

4.3.4 Refit the unit by connecting the plugs and sockets to each other and positioning it on the two locator bolts and gently lowering it back into position.

JOLLY ROGER AMUSEMENT RIDES

4.3.5 Refit the two nuts each side of the unit and secure. Make sure there is a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

4.3.6 Close and lock the access door.

Coin acceptor (mechanical)

4.4 To remove/refit the coin acceptor proceed as follows:

4.4.1 Remove the coin acceptor by turning the lock situated on the faceplate - the coin acceptor can now be removed from the machine and the wires pulled off the coin acceptor microswitch if desired.

NOTE

Make sure that the wires are reconnected on the correct terminals (C and NO).

4.4.2 To remove litter from the coin acceptor, slide off the spring clip on the top of the mechanism and remove side plate, then remove any litter or obstruction.

4.4.3 Refit the coin acceptor in reverse order to removal, make sure that the pins on the main coin acceptor body locate in the dimples on the side plate.

4.4.4 Adjusting screws for coin diameter and thickness are also located on the side plate, these are factory set and should not normally require alteration.

Coin acceptor (electronic) MARS

4.5 To remove/refit the coin acceptor proceed as follows:

4.5.1 Remove the coin acceptor by turning the lock situated on the faceplate and disconnect the cable plug from the printed circuit board on the mechanism - the coin acceptor can now be removed from the machine.

4.5.2 To remove litter from the coin acceptor, pull the hinged side plate sideways and remove any litter or obstruction. Release hinged side plate.

4.5.3 Refit the coin acceptor in reverse order to removal, make sure that the cable plug is reconnected to the printed circuit board on the mechanism.

WARNING NEVER REMOVE OR REPLACE AN ELECTRONIC MECHANISM WITH THE POWER SUPPLY SWITCHED ON.



Electronic coin mechanism MARS - switch positions

4.6 To inhibit coins:

With machine switched on:

4.6.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = ON.

4.6.2 Press reject button within 20 seconds of setting slide switches.

4.6.3 Insert all coins to be inhibited.

4.6.4 Press reject button within 20 seconds of inserting coins. Inhibited coins should now be rejected.

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4.7 To re-enable inhibited coins:

With machine switched on:

4.7.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = OFF.

4.7.2 Press reject button within 20 seconds of setting slide switches.

4.7.3 Insert all coins to be re-enabled.

4.7.4 Press reject button within 20 seconds of inserting coins. Previously inhibited coins should now be accepted.

NOTE

Mechanism must be powered up before changing switch positions. Switch positions must be moved prior to attempting either of the above.

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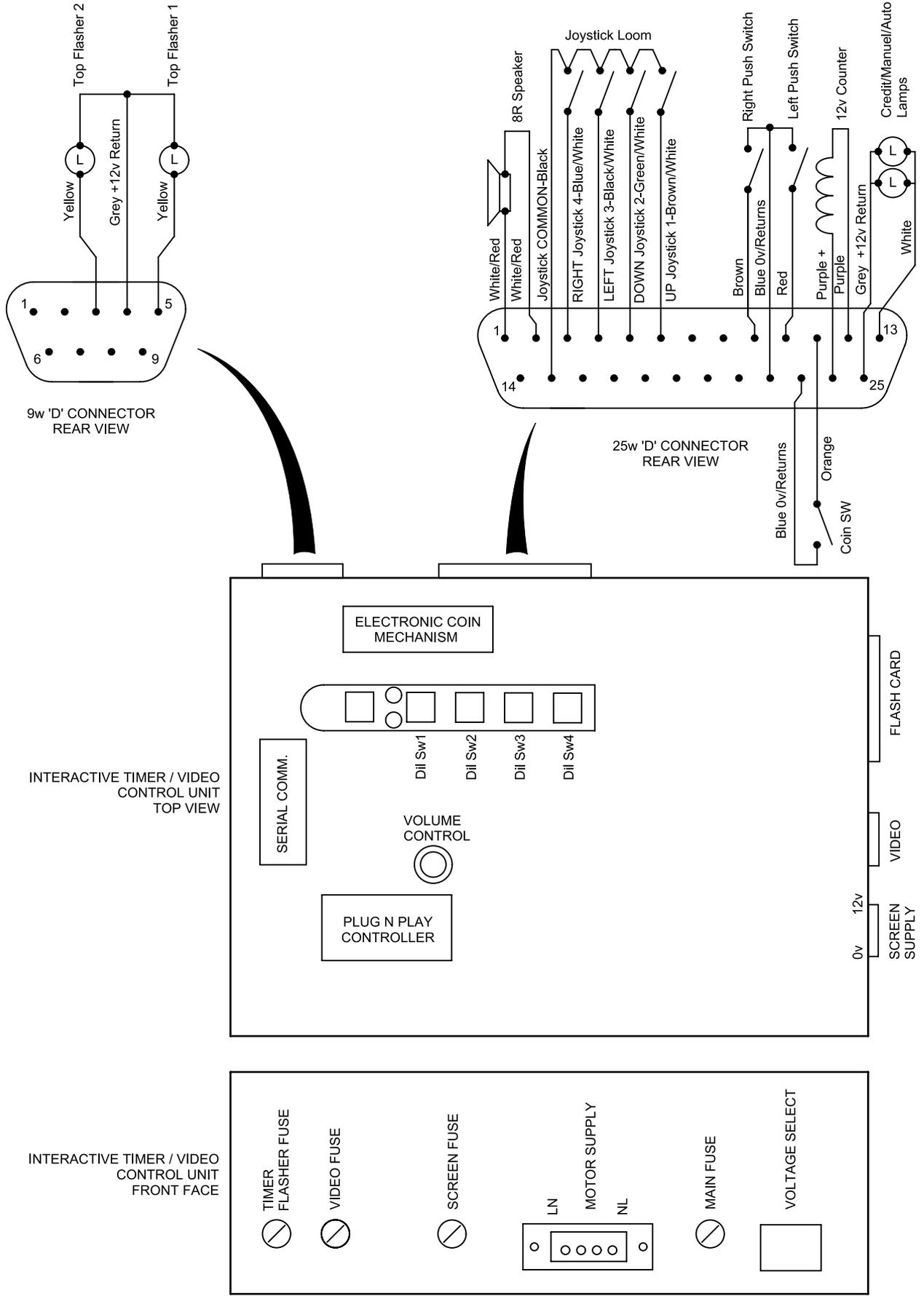


Fig 1 Interactive timer/video programmable control unit

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Stamar interactive timer/video programmable kiddie ride controller configuration instructions

4.8 The “interactive timer/video programmable control unit has four externally accessible DIL switches, SW1, SW2, SW3 and SW4, which are used to select the most popular modes of operation.

NOTES

1. It is advisable to remove the control unit from the ride as this will assist viewing the switches and referring to these instructions. The control unit can be easily “unplugged” from the ride **AFTER POWER TO THE RIDE HAS BEEN SWITCHED OFF** and the two mounting attachments have been removed.
2. All alterations to these switches should only be made after power to the ride has been turned off as this will avoid any unintentional damage to the control unit and/or the ride.

SW1 - Sets the price of play value or credit program options.

4.9 The SW1 switch is used to set price at play value or credit program options.

NOTES

1. The setting for **either** “price of play” **or** “credits” on SW1 as shown below are selected using **SW3/S4** as shown in SW3 settings below.

i.e. SW3/S4 must be set to On if “Price of Play” options are required.

SW3/S4 must be set to Off if “Credit Programs” are required.

2. The **Price of Play** refers to multiples of the **Base Coinage** that the coin mechanism has been programmed to accept:

- UK Mechanism. The mechanism is programmed for a 10p base and gives play values from 10p (1 coin) to £1.50 (15 coin).
- USA Mechanism. The mechanism is programmed for a 25c base and gives play values from 25c (1 coin) to \$3.75 (15 coin).
- Euro Mechanism. The mechanism is programmed for a 10c base and gives play values from 10c (1 coin) to 1.50 (15 coin).

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NOTE

In the following table the **Price of Play/Base Coinage Selection** - 15 Coin will be added and available to the the user from late 2004.

SW1

S1	S2	S3	S4	Price Of Play Selected	Or	Pre - Programmed Credit Options Available
on	off	off	off	1 Coin	Or	30 P 1 RIDE 50 P 2 RIDES £1 5 RIDES
off	on	off	off	2 Coin	Or	20 P 1 RIDE 50 P 3 RIDES
on	on	off	off	3 Coin	Or	40 P 1 RIDE £1 3 RIDES
off	off	on	off	4 Coin	Or	50 P 1 RIDE £1 £2 3 RIDES 6 RIDES
on	off	on	off	5 Coin	Or	60 P 1 RIDE £1 £2 2 RIDES 5 RIDES
off	on	on	off	6 Coin	Or	10 P 1 RIDE 30 P 4 RIDES
on	on	on	off	7 Coin	Or	£1 1 RIDE £2 3 RIDES
off	off	off	on	8 Coin	Or	£2 1 RIDE
on	off	off	on	9 Coin	Or	20 P 1 RIDE 40 P 3 RIDES
off	on	off	on	10 Coin	Or	10 P 1 RIDE 20 P 3 RIDES
on	on	off	on	11 Coin	Or	60p 1 RIDE £1 £2 2 RIDES 4 RIDES
off	off	on	on	12 Coin	Or	70p 1 RIDE £1 £2 2 RIDES 4 RIDES
on	off	on	on	13 Coin	Or	
off	on	on	on	14 Coin	Or	Free Play For Exhibition Or Test Use
on	on	on	on		Or	
off	off	off	off			

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SW2 - Ride time

4.10 SW2 is used to set the ride time. The ride time can be set from 30 seconds to 120 seconds in 15 second increments or to run for as long as the main background soundtrack.

SW2

Ride Time	S1	S2	S3	S4
30 secs	off	off	off	OFF
45 secs	on	off	off	OFF
60 secs	off	on	off	OFF
75 secs	on	on	off	OFF
90 secs	off	off	on	OFF
105 secs	on	off	on	OFF
120 secs	off	on	on	OFF
Ride time set to soundtrack	on	on	on	OFF

NOTE

S4 is used for a diagnostic test sequence during manufacture and under normal operating conditions is not used and must be set to the **OFF** position.

SW3 - Additional ride features

4.11 SW3 selects additional ride features and should be set as shown in the following table:

SW3

	S1	S2	S3	S4
Prompt phrases On/Off	On/Off	x	x	x
Attract sounds On/Off	x	On/Off	x	x
Count no. of Rides	x	x	On	x
Count No. of Coins (coin mech. Base coin value)	x	x	Off	x
Select <i>Price of Play</i> options	x	x	x	On
Select <i>Credit Program</i> options	x	x	x	Off

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SW 4 - Ram control options

WARNING  **TO PREVENT DAMAGE OCCURRING TO THE RIDE - SW4 MUST ONLY BE SET AS SHOWN IN THE FOLLOWING TABLE. FAILURE TO OBEY THIS WARNING WILL MAKE THE RIDE INOPERABLE.**

4.12 SW4 selects additional ram control options and should be set as shown in the following table:

SW4

	S1	S2	S3	S4
Ride is fitted with standard AC motor	Off	x	x	x
Ride is fitted with DC ram actuators	On	x	x	x
Level ride calibration mode	x	x	x	On

Level Ride Calibration Sequence

4.13 The level ride calibration sequence can be used to fine tune the rides level position if new rams are fitted, a new interactive ram unit is fitted or if for any other reason the ride is not powering up in a level condition.

- 4.13.1 Turn the ride OFF.
- 4.13.2 Set SW4/S4 to the ON position.
- 4.13.3 Turn the ride ON.
- 4.13.4 Follow the on-screen instructions.
- 4.13.5 Turn the ride OFF.
- 4.13.6 Set SW4/S4 to the OFF position.
- 4.13.7 Turn the ride ON.

Fuses

4.14 All fuses are “anti-surge” rated, they are located in the front face of the timer/video control unit and the ram drive control unit. Never replace fuses with a higher value than recommended. The following tables shows the fuse values applicable to the interactive ride:

Fusing values - Timer/Video system

Timer/Flasher fuse	3.15A
Video fuse	1A
Screen fuse	3.15A
Main fuse - 240v	3.15A
Main fuse - 110v	6.3A

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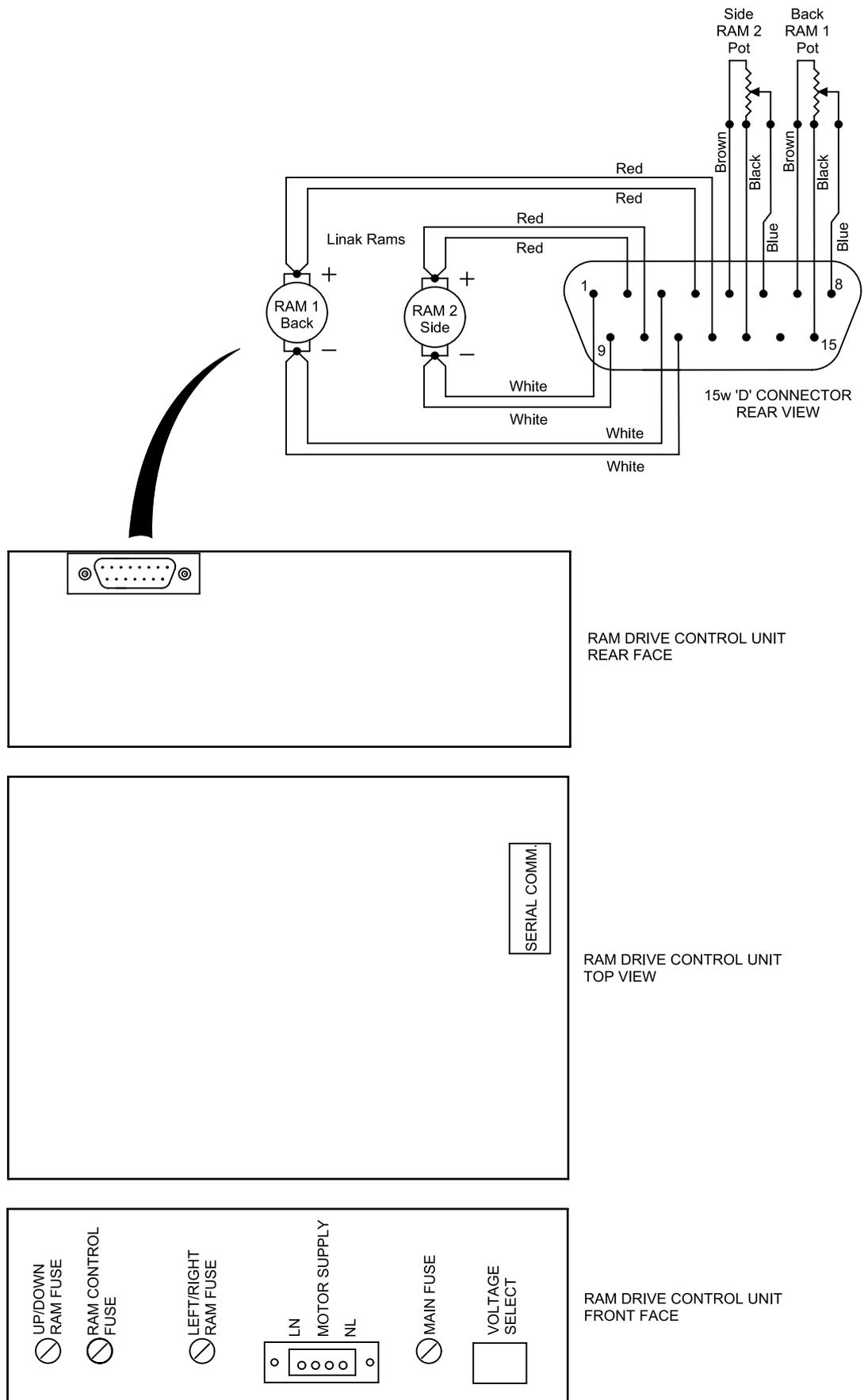


Fig 2 Ram drive control unit

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Fusing values - Ram drive system

Up/Down ram fuse	3.15A
Ram control fuse	1A
Left/Right ram fuse	3.15A
Main fuse - 240v	3.15A
Main fuse - 110v	6.3A

Volume adjustment

4.15 The volume adjuster is located on the front of the video/timer control unit. To gain access to the volume adjuster unlock and open the lockable access door - located on the right-hand side of the ride. Rotate the volume adjuster - clockwise or counter-clockwise to obtain the required volume.

Video monitor

4.16 The video monitor (protected by a toughened clear glass screen) is located in the windscreen framework facing the ride seat. To remove/refit the video monitor proceed as follows:

NOTE

When removing and refitting the video monitor take care when handling the toughened clear glass protective screen.

4.16.1 Remove the monitor attachment fittings securing the monitor to the windscreen framework.

4.16.2 Disconnect the power input and video input connectors from the monitor and withdraw the monitor from the windscreen framework.

4.16.3 Refit the monitor by connecting the video input and power input connectors to the monitor.

4.16.4 Make sure there is a good connection between the video input and power input connectors. A poor connection could result in failure of the monitor. Locate the monitor into the windscreen framework.

4.16.5 Refit the monitor attachment fittings and secure the monitor to the windscreen framework.

Bearings

4.17 All bearings are greased for life and should normally not be re-packed with grease. However, in certain circumstances the bearings may require lubrication. If this situation arises, apply grease sparingly.

Body and other mouldings

4.18 Clean with damp cloth rinsed out in soapy water, do not hose down or flood the machine. Alternatively, a proprietary household furniture cleaner may be used.

Removal of body shell

NOTE

Refer to Figure 5 in Spare Parts section for item numbers.

4.19 To remove the body shell

4.19.1 Remove the four bolts, (Fig 5, item 9) spring washers (Fig 5, item 10), and washers (Fig 5, item 11) situated under the body shell, which attach the body to the chassis.

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4.19.2 Disconnect the electrical wiring underneath the body shell by undoing the plug and socket connector.

4.19.3 Remove body shell.

Interactive Ram Units

4.20 The two interactive ram units are “sealed for life units” and should not be tampered with. The ram units are installed to the ride chassis structure. No maintenance is necessary as the units are repaired by replacement. To replace the a ram unit proceed as follows:

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS, CARRY OUT ANY SERVICING OR MAINTENANCE.



4.20.1 Disconnect the machine from the electrical power supply.

4.20.2 Gain access to the ram unit.

4.20.3 Disconnect the ram unit electrical connector.

4.20.4 Remove the nut, bolt and washer assemblies that secure the ram unit to the chassis.

4.20.5 Remove the ram unit from the ride.

4.20.6 Install the new ram unit in position and secure to the chassis with the nut, bolt and washer assemblies.

4.20.7 Connect the ram unit electrical connector.

4.20.8 Connect the electrical power and test the ride.

4.20.9 If necessary proceed with the ride level calibration sequence, Para 4.13.

Daily checks

4.21 A check of each coin-operated Kiddie Ride should, whenever reasonably practical, be carried out each day before it is made available for the public. The following checks are recommended:

4.21.1 Check that the mains plug is undamaged and securely attached to the mains cable.

4.21.2 Check that the mains cable is undamaged.

4.21.3 Check that there are no broken or damaged parts of the ride that may cause injury.

4.21.4 Check that all guards are in place thus preventing any access to the mechanism.

4.21.5 Apply pressure to the ride to make sure that it is firmly secured to the base stem and check that all advisory literature is in place.

4.21.6 Make sure the area around the ride is free from obstruction and that persons passing by are not in any danger.

4.21.7 The ride should be kept clean and free from any customised additions unless approved by the manufacturer.

4.22 If as a result of the above visual checks any doubt arises, then the company, supplier or person responsible for the ride should be notified immediately.

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SPARE PARTS

1. The machine serial number (if given) on the reference plate must always be quoted.
2. Quote the full part number and description as set out in the list.
3. State precisely how parts are to be despatched.
Home: By post, carrier or road transport.
Overseas: By sea freight, airmail or air freight.
4. Keep orders separate from other correspondence.
5. Foreign orders must be sent through our accredited agent, an established London House, or accompanied by a remittance.
6. Replacement parts which are not of genuine Jolly Roger supply, cannot be relied upon to be to the correct specification, material or workmanship. Jolly Roger therefore cannot be expected to extend their Warranty to Kiddies Rides which have been fitted with parts which Jolly Roger has not supplied.
7. Jolly Roger reserve the right to make changes or improvements in the construction or specification of their products at any time.

Conditions of Business

1. Particulars given in this list are subject to withdrawal and alteration without notice.
2. All quotations are subject to confirmation before acceptance of order.
3. All goods are supplied on the conditions that Jolly Roger shall not be liable for any direct or consequential damage arising from delay in delivery or from defective material, other than is covered by our usual form of guarantee.
4. Whilst every effort is made to ensure the accuracy of the particulars contained in this book, modifications and specification changes to the Kiddies Ride are on-going. These may affect the information specified. No responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of information in this book not being in accord with modifications or Kiddies Ride specification changes which are subsequent to the date of this book. Also, no responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of any misinterpretation of the information specified in this parts book.

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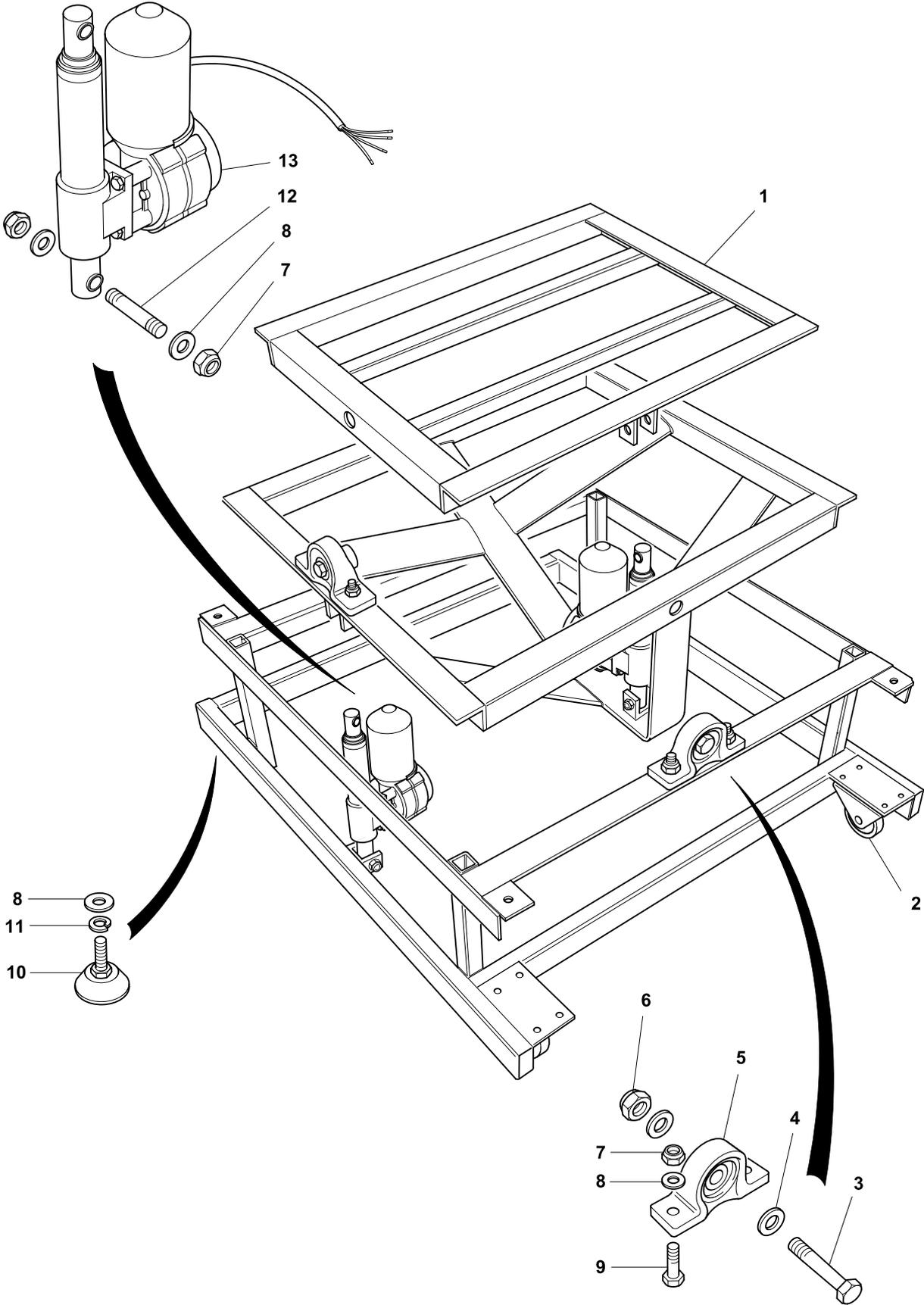


Fig 3 Chassis assembly

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Parts list - Chassis assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	3000019	Chassis assembly, comprising:	-
1	3100005	Chassis	1
-	3100006	Upper frame	1
-	3100007	Middle frame	1
-	3100008	Lower frame	1
2	5120002	Castor	2
3	7000707	Bolt, M12 x 50	8
4	7600300	Washer, M12	4
5	6000000	Housing, bearing assembly, NP12	4
6	7700300	Nut, M12, Nyloc	4
7	7700200	Nut, M10, Nyloc	12
8	7600200	Washer, M10	14
9	7000604	Bolt, M10 x 35	8
10	3800000	Foot, rubber	2
11	7600201	Washer, M10, spring	2
12	8210001	Shaft, pivot	2
13	2000002	Actuator	2

Note: Refer to manufacturer when ordering items from this list

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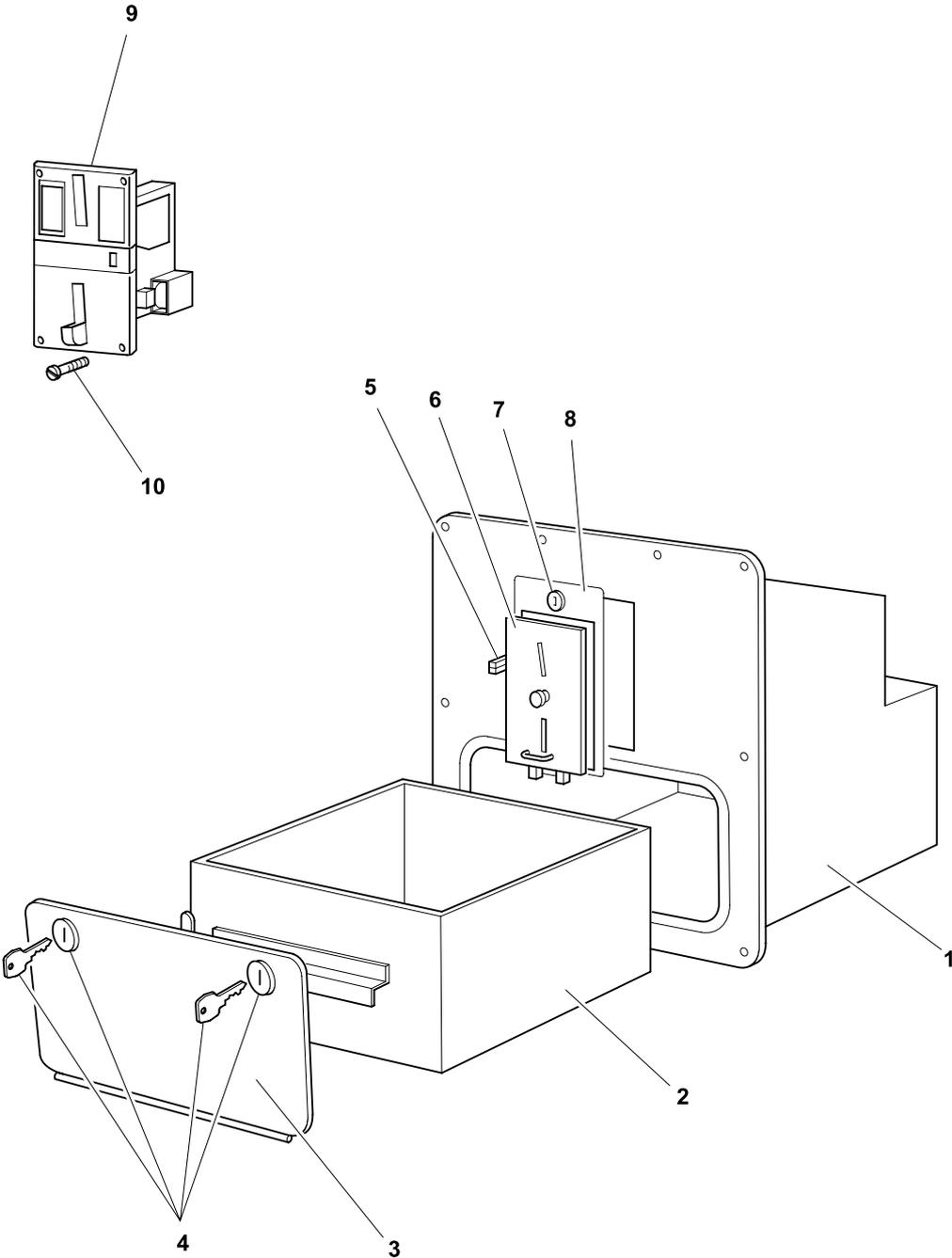


Fig 4 Coin collection assembly (System 4000)

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Parts list - Coin collection assembly (System 4000)

† Item not illustrated

Item No	Part No	Description	QTY
-	4000006	Coin collection assembly comprising:	-
1	4100020	Housing	1
2	4100001	Cash box	1
3	4100021	Door	1
4	9300006	Lock complete with keys	2
5	2500000	Microswitch, coin acceptor	1
6	4200008	Coin acceptor	1
7	9300004	Lock complete with keys	1
8	4200009	Plate, coin acceptor	1
9	4200005	Coin acceptor, electronic assembly (optional) comprising:	1
-	† 4200006	Mechanism, electronic coin acceptor	1
-	† 4200007	Wiring loom, electronic coin acceptor	1
10	7200000	Screw, cap head, M4 x 20	4

Note: Refer to manufacturer when ordering items from this list.

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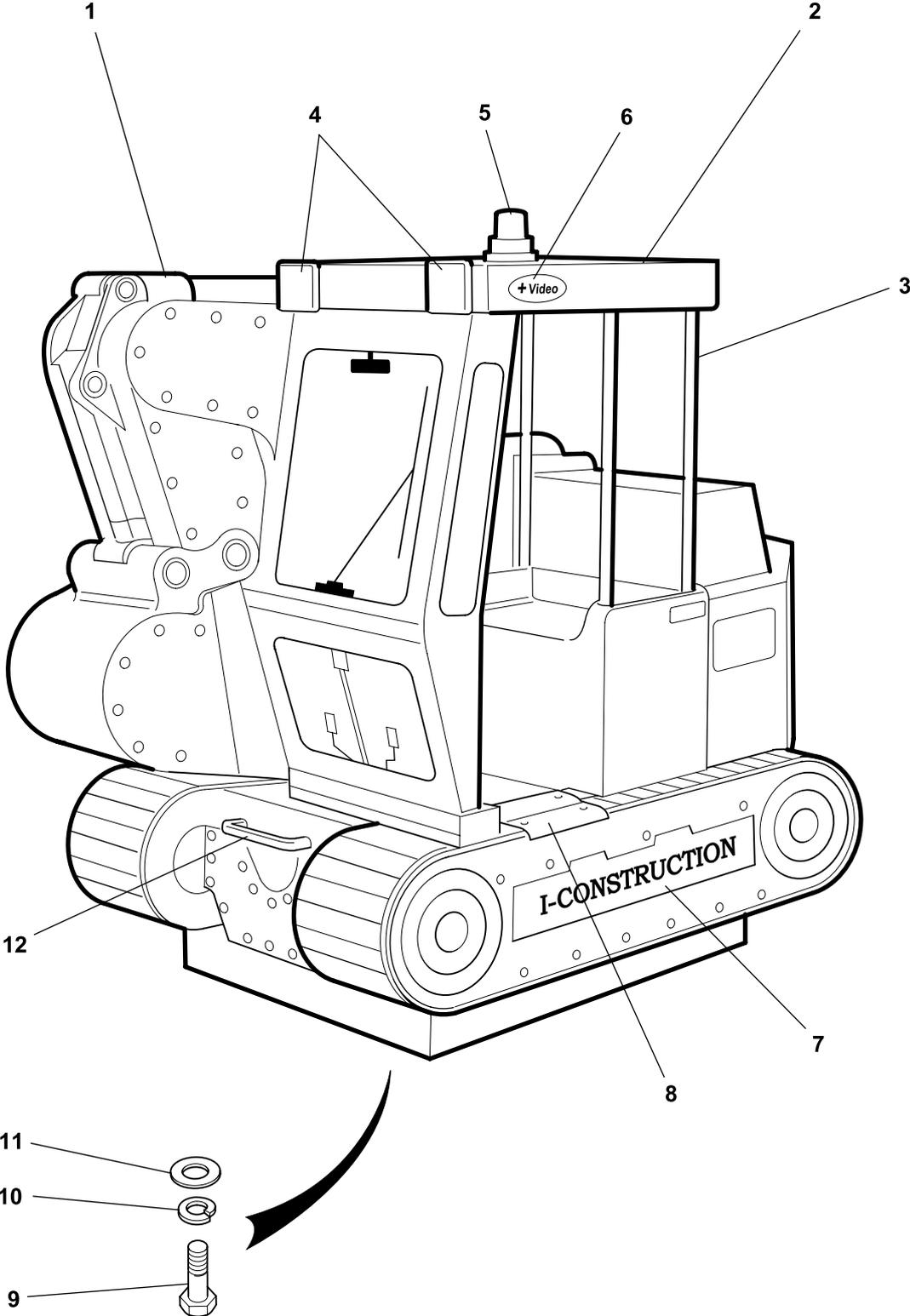


Fig 5 I-Con body shell assembly

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Parts list - Icon body shell assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	1080067	Body shell assembly, comprising:	-
1	1100067	Moulding, body	1
2	1110074	Moulding, Roof	1
3	3300019	Frame, Cab roof	1
4	2920020	Lamp, type G, clear	2
-	† 2920000	Bulb, 12 volt,	AR
-	† 2900527	Lamp, lens type G, clear	2
5	2900016	Lamp, type E, Amber	1
-	† 2920008	Bulb, 24 volt, 10 watt,	AR
-	† 2920515	Lamp, lens type E, Amber	1
6	1700065	Decal + Video	2
7	1700065	Decal set, I-CONSTRUCTION	1
8	1300001	Step, edge, 6 inch	2
9	7000602	Bolt, M10 x 35, Hexagon head	4
10	7600201	Washer, spring M10	4
11	7600200	Washer, M10	8
12	1200002	Handle, small	1

Note: For coin acceptor and cash box details see coin collection assembly parts list

Note: Refer to manufacturer when ordering items from this list

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Parts list - Timer/video & ram controllers

† Item not illustrated

Item No.	Part No.	Description	QTY
-	† 2900519	Timer/video control unit	1
-	† 2900520	S. Video lead	1
-	† 2900522	Extended electronic mech. lead	1
-	† 2900523	Power supply 120VA transformer	1
-	† 2900524	Power supply PCB assembly	1
-	† 2900525	Timer/video PCB assembly	1
-	† 2900526	12v Cooling fan	1
-	† 2900528	Ram control unit	1
-	† 2900529	Power supply 160VA transformer	1
-	† 2900530	Power supply PCB assembly	1
-	† 2900531	Ram controller PCB assembly	1
-	† 2900526	12v Fan	1

Note: Refer to manufacturer when ordering items from this list

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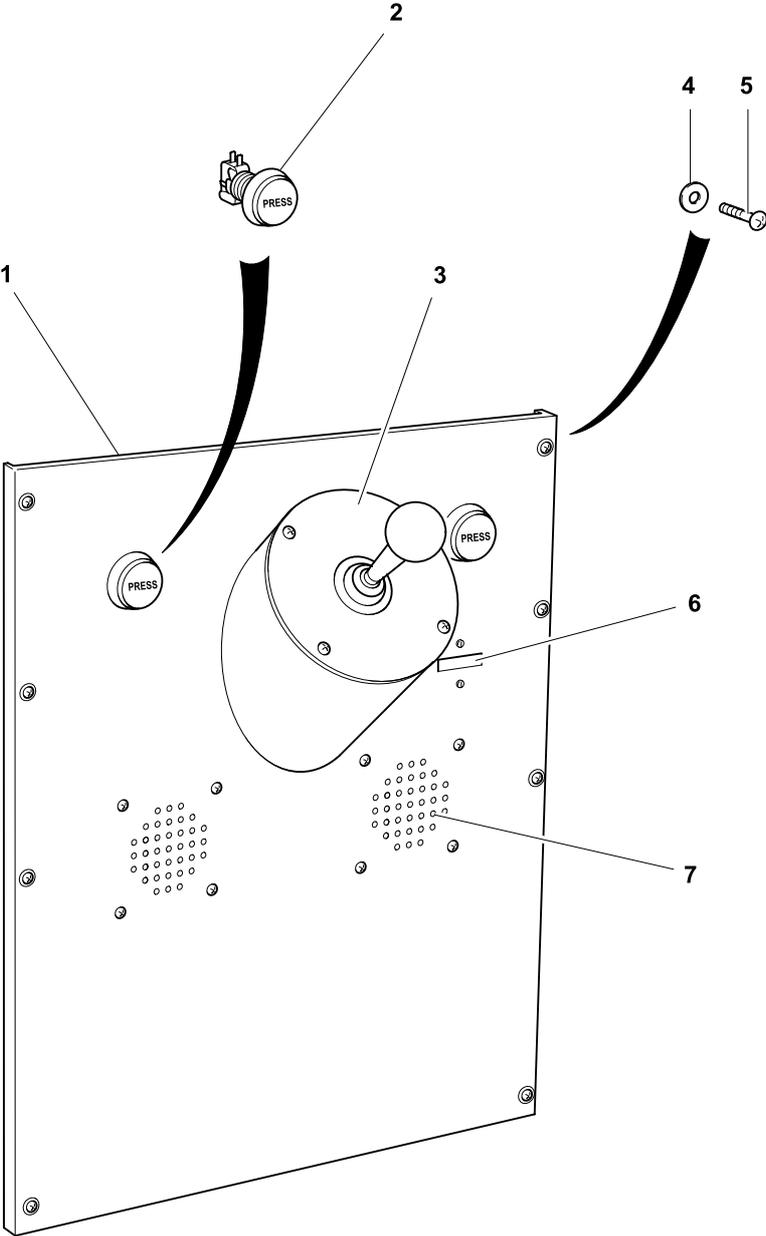


Fig 6 Joystick control panel

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Parts list - Joystick control panel

† Item not illustrated

Item No	Part No	Description	QTY
-	2100014	Joystick control panel assembly comprising:	-
1	2200002	Joystick control panel	1
2	2520009	Switch, pushbutton, round, PRESS, red	2
	† 2920008	Bulb, 2.2 watt wedge	2
	† 2520010	Microswitch	2
3	2520011	Joystick	1
	† 7300008	Screw, button head, hexagon socket, M5x20	4
	† 7700002	Nut, M5, nyloc	4
4	7600000	Washer, M6	8
5	7300007	Screw, button head, hexagon socket, M6x20	8
6	2100009	Counter, coin impulse (fitted internally)	1
7	2600000	Loudspeaker	2

Note: Refer to manufacturer when ordering items from this list.

JOLLY ROGER AMUSEMENT RIDES

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with the BACTA Industry Standard, the HSE Fairgrounds and Amusement Parks A Code of Safe practice, the Health and Safety at Work Act 1974. (All applicable in the United Kingdom).

THIS CERTIFICATE DOES NOT EXONERATE THE OPERATOR FROM REGULAR CHECKING AND MAINTENANCE OF THE MACHINE TO WHICH IT APPLIES.

Jolly Roger (Amusement Rides) Ltd.
College View Works,
Manby Road,
Grimoldby, Louth,
Lincolnshire,
England. LN11 8HE

Telephone (01507) 328856 Telefax (01507) 327060

E-mail: sales@jolly-roger.co.uk

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Jolly Roger (Amusement Rides) Ltd.

College View Works,
Manby Road,
Grimoldby,
Louth,
Lincolnshire,
England. LN11 8HE

Telephone: + 44 (0)1507 328856
Fax: + 44 (0)1507 327060
E-mail: sales@jolly-roger.co.uk

EC DECLARATION OF CONFORMITY

Manufacturer: As above

Details of Electrical Equipment

Type No.: 2

Description: Coin-operated Childrens Ride

Directives this equipment complies with: Electrical Equipment (Safety) Regulations 1994, SI No3260 (Regulation 5. (1)).
Electromagnetic Compatability Directive 89/336/EEC
Low voltage directive 72/23/EEC (article 2) as amended by 93/68/EEC.

Harmonised standards applied in order to verify compliance with Directives: EN 50081-1:1992
EN 50082-1:1992
EN 60335-1:1994 inc. AMDS A11, A1, A12, A13, A14, A2, A15 and A16 - Safety of Household and Similar Electrical Appliance.
EN 55014-1: 1993 EN61000-3-2:1995 + A1: 1998 + A2: 1998
EN 61000-3-3: 1995 EN55014-2: 1997 Category 2
EN 60335-2-82: 2000 - Particular Requirements for Service Machines and Amusement Machines

Year in which CE mark was affixed: 2004

Authorised Signatory:

Manufacturer

Date of Issue

1st January 2004

Name: R.J.Newborough

Place of Issue

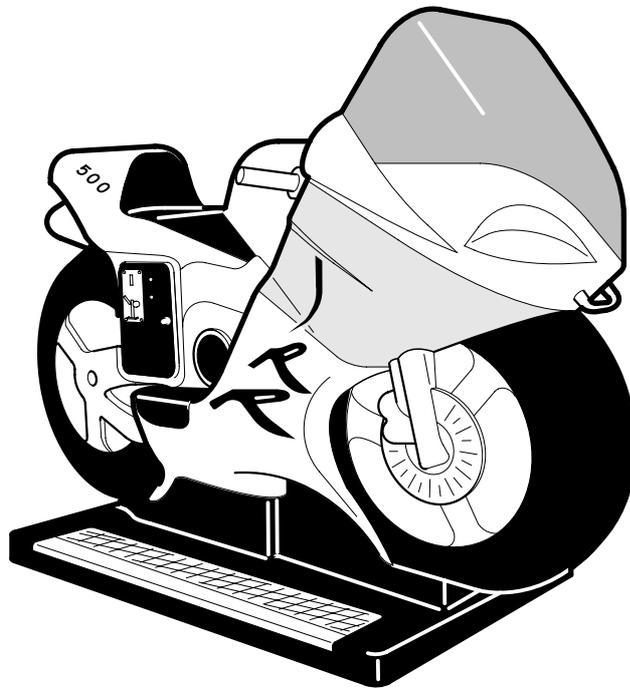
Position: Managing Director

Grimoldby, England



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I - RACER VIDEO
SIMULATOR HANDBOOK

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Jolly Roger (Amusement Rides) Ltd. College View Works, Manby Road, Grimoldby, Louth, Lincolnshire, England. LN11 8HE.

Telephone: + 44 (0) 1507 328856

Fax: + 44 (0) 1507 327060

E-mail: sales@jolly-roger.co.uk

This handbook was prepared for Jolly Roger (Amusement Rides) Ltd
by
Bowne Global Solutions Ltd.,
Cophall Terrace,
Coventry,
United Kingdom
CV1 2FP

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

INTRODUCTION

Thank you for purchasing your new Kiddie Ride from Jolly Roger (Amusement Rides) Limited and we trust it will give many years of trouble-free profitable service.

Whilst this booklet has been produced primarily with our United Kingdom and European customers in mind, it will certainly be of benefit to other users worldwide.

Reference is made to the United Kingdom Health and Safety at Work Act - Code of Safe Practice at Fairs (which specifically includes coin operated Children's Rides), the Industry Standard for the construction, operation and use of coin-operated Children's Rides, and the EC Declaration of Conformity (CE Mark).

The Rides comply with United Kingdom and European Community regulations.

The rides are designed for intermittent use and the maximum anticipated duty cycle is 30 operations per hour.

The guidance given in this publication is relevant to the safe operation of children's rides wherever they may be operated.

WARNINGS & CAUTIONS

The international safety sign is used throughout this Handbook where specific safety precautions are detailed. The sign is positioned so that the precautions are readily identifiable.

INTERNATIONAL SAFETY SIGN

WARNING



WARNINGS

Warnings call attention to instructions, which must be followed precisely to avoid injury or death.

CAUTIONS

Cautions call attention to instructions, which must be followed precisely to avoid damaging the equipment.

JOLLY ROGER AMUSEMENT RIDES

HEALTH AND SAFETY - CODE OF SAFE PRACTICE AT FAIRS - INDUSTRY STANDARDS

(UNITED KINGDOM)

- 1.1 Our equipment has been manufactured to the highest standard of construction and safety in order to conform to the H.S.E. Fairground and Amusement Parks, A Code of Safe Practice and the U.K. Health and Safety at Work Act 1974.
- 1.2 This machine must be earthed. (CONNECTED TO GROUND)
- 1.3 If a 13 Amp BS1363 plug is fitted then a 5 amp fuse should be fitted. (UK only)
- 1.4 If the ride is to be situated outdoors, the socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a residual current circuit breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.
- 1.5 In addition to our manufacturer's test and the daily checks every ride shall be subject to a Thorough Examination by an appointed person once every period of 14 months. (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). The regulation applies in the UK only, however it is sound operating practice wherever a ride is operated.
- 1.6 The appointed person need not be independent, but should be at least 21 years old, registered under the Amusement Device Inspection Procedures Scheme (ADIPS) and be competent by such qualifications, knowledge, experience and supporting services to be able to make an assessment of the safety of the ride, including any associated equipment/parts e.g. electrical, hydraulic or pneumatic.
- 1.7 The appointed person should have the technical competence to recognise the significance of the effects of stresses, loadings and fatigue and also be competent to determine the extent of permissible wear.
- 1.8 The Thorough Examination is to be carried out by a registered body in accordance with the regulations laid down in the Health and Safety at Work Act 1974 (Fairgrounds and Amusements Parks-Guidance on Safe Practice, HSG 175). A Report of Inspection is to be completed after the Thorough Examination. (Applicable in UK only).
- 1.9 On completion of the Thorough Examination, a Declaration of Operational Compliance (DOC) certificate is to be issued which must be retained for a period of ten years and be available for inspection by the Health and Safety Inspectorate and/or the appropriate officer of the Environmental Health Department of a Local authority. (Applicable in UK only).

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



- 1.10 If considered necessary, further protection to the power supply may be afforded by conduit, trunking, or rubber protector strip with tapered edges and non-slip ribbed bases. Care is needed to avoid a tripping hazard.
- 1.11 The Kiddie Rides should be so sited that the length of cable between the ride and socket outlet is a minimum. For floor mounted socket outlets, the ride may be positioned so that there is virtually no exposed cable.
- 1.12 Galvanised steel braided armoured cable and flexible copper braided cable cannot be satisfactorily terminated in a 13 amp standard (BS 1363) plug. Such cables can be terminated in industrial type plugs BS 196 or BS 4343 or equivalent, but these require the special suitable sockets. (Applicable in UK only).

JOLLY ROGER AMUSEMENT RIDES

INSTALLATION

Siting

WARNING



IT IS NOT RECOMMENDED THAT THE RIDE BE SITED ON A PLINTH, PLATFORM OR ANY FORM OF MATTING. DOING THIS WILL INCREASE THE HEIGHT OF THE RIDE FROM THE GROUND AND MAY CAUSE INJURY FROM FALLING OR TRIPPING.

2.1 A common sense approach should be adopted when siting Kiddie Rides. The following items are an indication, but not exhaustive:

2.1.1 Position the Ride on a level surface.

2.1.2 Wherever practical make sure there is adequate clearance all round the Ride to minimise the risk of injury to the passengers or public. If possible, a 1 metre clearance around the ride is recommended.

2.1.3 **DO NOT** obstruct emergency exits.

2.1.4 **DO NOT** obstruct fire appliances, hydrants etc.

2.1.5 If sited outside:

The socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a Residual Current Circuit Breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 millisecs.

DO NOT operate in adverse weather conditions.

NOTE

This ride is considered suitable for outdoor protected locations i.e. under a canopy, or cover and not in a position where the ride could be exposed to direct rain or snow, or other adverse weather conditions.

2.1.6 **DO NOT** locate the ride directly against the plug, which should remain accessible at all times

2.1.7 The ride is not suitable for installation or operation in an area where a water jet could be used

CAUTION

For safety reasons the electrical wiring is colour coded as follows:



2.1.8 For rides with 220-240 volt electrical supply, the wiring colour codes are:

Brown - live
Green/Yellow-earth
Blue – neutral.

2.1.9 For rides with 110-120 volt electrical supply, the wiring colour codes are:

Black - live
Green - earth
White – neutral.

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

INSTALLATION

Site d'installation

ATTENTION



IL N'EST PAS RECOMMANDE DE CONDUIRE SUR UNE PENTE, RAMPE OU AUTRE AFIN DE NE PAS ELEVER LA HAUTEUR DU VEHICULE ET NE PAS CAUSER DE BLESSURES EN RAISON DE RENVERSEMENT OU D'ACCROCHAGE.

2.1 Faites appel à votre bon sens quand vous choisissez le site d'installation des manèges pour enfants. Les points suivants sont donnés à titre indicatif mais ne sont pas exhaustifs:

2.1.1 Placer le manège sur une surface nivelée.

2.1.2 Dès lors que les conditions pratiques le permettent, s'assurer qu'il y a suffisamment d'espace tout autour du manège pour minimiser le risque de blessures pouvant être causées aux passagers ou au public. Si c'est possible, il est conseillé de laisser 1 mètre d'espace tout autour du manège.

2.1.3 **NE PAS** obstruer les sorties de secours.

2.1.4 **NE PAS** obstruer les bouches d'incendie et la voie de passage des voitures de pompiers.

2.1.5 Si le manège est situé à l'extérieur:

La fiche d'alimentation secteur devrait être branchée avec une prise mâle résistant aux intempéries et protégée en permanence par un disjoncteur de courant résiduel ou un disjoncteur différentiel ayant un taux de déclenchement ne dépassant pas 30 milliampères en 30 milli-secondes.

NE PAS faire fonctionner cette machine lors d'intempéries.

NOTE

On considère que ce manège est adapté à des endroits en plein air abrités, par exemple sous un toit, ou un abri et placé de sorte que le manège ne soit pas exposé directement à la pluie ou à la neige ou à d'autres intempéries.

2.1.6 **NE PAS** installer le manège directement contre la prise; cette dernière devrait toujours être accessible.

2.1.7 Il n'est pas convenable d'installer ou de faire marcher le manège dans un endroit où l'on pourrait utiliser des jets d'eau.

AVERTISSEMENT



Pour des raisons de sécurité, le circuit électrique est repéré par couleurs comme indiqué ci-dessous:

2.1.8. Pour les manèges alimentés en 220-240 volt, le circuit électrique est le suivant:

Marron : phase
Vert/Jaune : terre
Bleu : neutre.

2.1.9 Pour les manèges alimentés en 110-120 volt, le circuit électrique est le suivant:

Noir : phase
Vert : terre
Blanc : neutre.

ATTENTION



TOUJOURS DEBRANCHER LA MACHINE DE L'ALIMENTATION SECTEUR AVANT D'EFFECTUER TOUTE REPARATION OU TOUTE VERIFICATION.

JOLLY ROGER AMUSEMENT RIDES

OPERATION

General

3.1 A coin-operated Kiddie Ride should not be used unless a D.O.C. has been provided, indicating that the device is safe to operate (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). This regulation applies in the UK only.

JOLLY ROGER AMUSEMENT RIDES

MAINTENANCE

GENERAL

4.1 The rides do not require any periodic maintenance but, they should be checked regularly to make sure that they are in a safe condition for operation by the general public. In the unlikely event of the need to make adjustments or repairs to the machine, the following procedures are recommended.

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS, CARRY OUT ANY SERVICING OR MAINTENANCE.



Timer/video programmable control unit

4.2 The timer/video programmable control unit is located in the front of the ride under the video monitor. To remove/refit the timer/video control unit proceed as follows:

- 4.2.1 Remove the ride video monitor (refer to para 4.16) and locate the timer/video programmable control unit - facing the video monitor opening.
- 4.2.2 Remove the two nuts located at each side of the unit.
- 4.2.3 The timer/video programmable control unit may now be removed by lifting it up to disconnect the plugs and sockets. The unit can now be withdrawn through the ride video monitor opening.
- 4.2.4 The mode of operation may now be altered by referring to the basic configuration, as printed on its enclosure, or by referring to the advanced configuration referred to at para 4.8.
- 4.2.5 Refit the unit by connecting the plugs and sockets to each other and positioning it on the two locator bolts and gently lowering it back into position.
- 4.2.6 Refit the two nuts each side of the unit and secure. Make sure there is a good connection between the plugs and sockets. A poor connection could result in failure of the unit.
- 4.2.7 Refit the ride video monitor, refer to para 4.16.

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS, CARRY OUT ANY SERVICING OR MAINTENANCE.



Ram drive control unit

4.3 The ram drive control unit is located in the front of the ride under the video monitor. To remove/refit the ram drive control unit proceed as follows:

- 4.3.1 Remove the ride video monitor (refer to para 4.16) and locate the ram drive control unit - below and at right-angles to the timer/video programmable control unit.
- 4.3.2 Remove the two nuts located at each side of the unit.
- 4.3.3 The ram drive control unit may now be removed by lifting it up to disconnect the plugs and sockets. The unit can now be withdrawn through the ride video monitor opening.
- 4.3.4 Refit the unit by connecting the plugs and sockets to each other and positioning it on the two locator bolts and secure in position.

JOLLY ROGER AMUSEMENT RIDES

4.3.5 Refit the two nuts each side of the unit and secure. Make sure there is a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

4.3.6 Refit the ride video monitor, refer to para 4.16.

Coin acceptor (mechanical)

4.4 To remove/refit the coin acceptor proceed as follows:

4.4.1 Remove the coin acceptor by turning the lock situated on the faceplate - the coin acceptor can now be removed from the machine and the wires pulled off the coin acceptor microswitch if desired.

NOTE

Make sure that the wires are reconnected on the correct terminals (C and NO).

4.4.2 To remove litter from the coin acceptor, slide off the spring clip on the top of the mechanism and remove side plate, then remove any litter or obstruction.

4.4.3 Refit the coin acceptor in reverse order to removal, make sure that the pins on the main coin acceptor body locate in the dimples on the side plate.

4.4.4 Adjusting screws for coin diameter and thickness are also located on the side plate, these are factory set and should not normally require alteration.

Coin acceptor (electronic) MARS

4.5 To remove/refit the coin acceptor proceed as follows:

4.5.1 Remove the coin acceptor by turning the lock situated on the faceplate and disconnect the cable plug from the printed circuit board on the mechanism - the coin acceptor can now be removed from the machine.

4.5.2 To remove litter from the coin acceptor, pull the hinged side plate sideways and remove any litter or obstruction. Release hinged side plate.

4.5.3 Refit the coin acceptor in reverse order to removal, make sure that the cable plug is reconnected to the printed circuit board on the mechanism.

WARNING NEVER REMOVE OR REPLACE AN ELECTRONIC MECHANISM WITH THE POWER SUPPLY SWITCHED ON.



Electronic coin mechanism MARS - switch positions

4.6 To inhibit coins:

With machine switched on:

4.6.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = ON.

4.6.2 Press reject button within 20 seconds of setting slide switches.

4.6.3 Insert all coins to be inhibited.

4.6.4 Press reject button within 20 seconds of inserting coins. Inhibited coins should now be rejected.

JOLLY ROGER AMUSEMENT RIDES

4.7 To re-enable inhibited coins:

With machine switched on:

4.7.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = OFF.

4.7.2 Press reject button within 20 seconds of setting slide switches.

4.7.3 Insert all coins to be re-enabled.

4.7.4 Press reject button within 20 seconds of inserting coins. Previously inhibited coins should now be accepted.

NOTE

Mechanism must be powered up before changing switch positions. Switch positions must be moved prior to attempting either of the above.

JOLLY ROGER AMUSEMENT RIDES

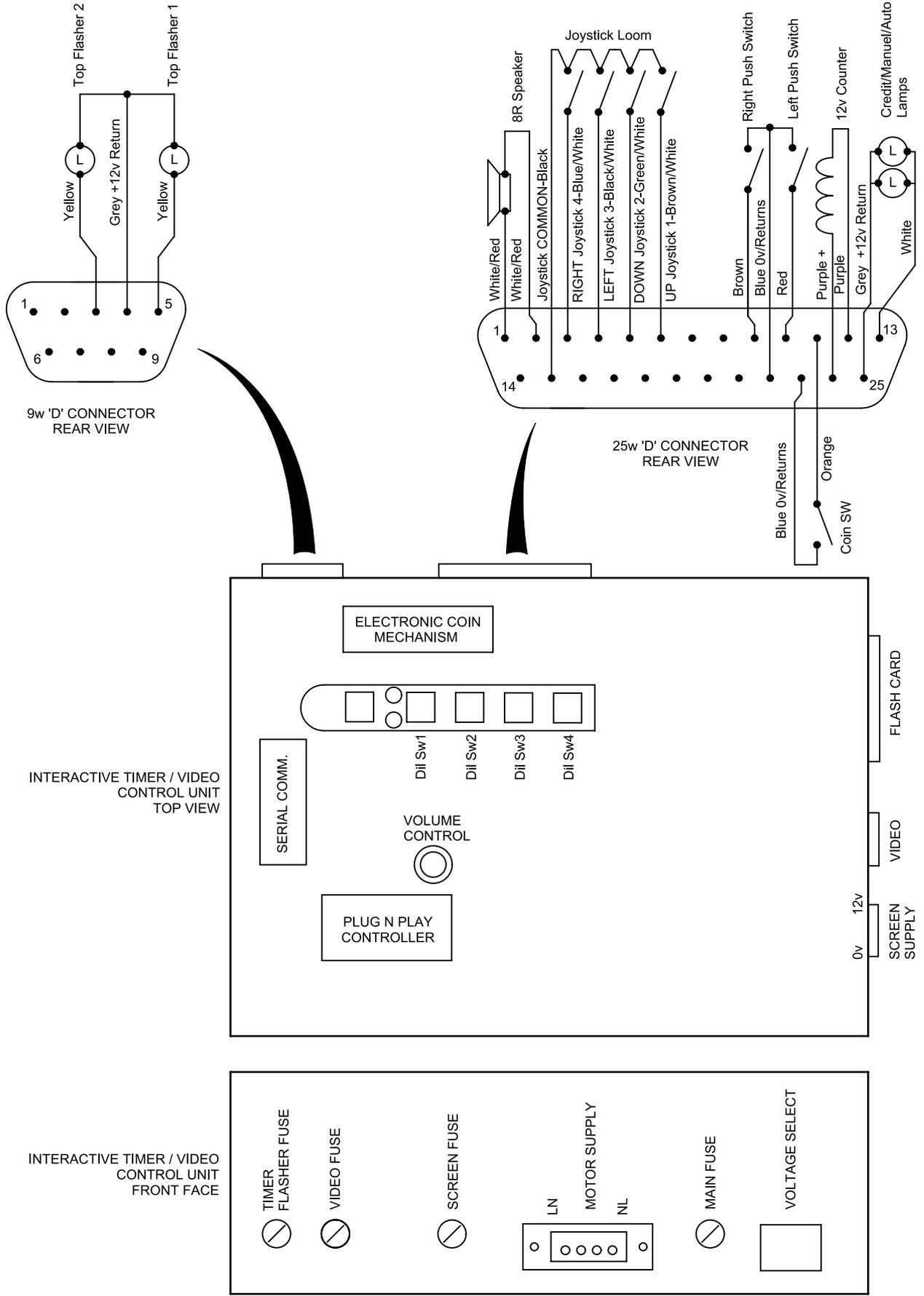


Fig 1 Timer/video programmable control unit

JOLLY ROGER AMUSEMENT RIDES

Stamar timer/video programmable kiddie ride controller configuration instructions

4.8 The timer/video programmable control unit has four externally accessible DIL switches, SW1, SW2, SW3 and SW4, which are used to select the most popular modes of operation.

NOTES

1. It is advisable to remove the control unit from the ride as this will assist viewing the switches and referring to these instructions. The control unit can be easily “unplugged” from the ride **AFTER POWER TO THE RIDE HAS BEEN SWITCHED OFF** and the two mounting attachments have been removed.
2. All alterations to these switches should only be made after power to the ride has been turned off as this will avoid any unintentional damage to the control unit and/or the ride.

SW1 - Sets the price of play value or credit program options.

4.9 The SW1 switch is used to set price at play value or credit program options.

NOTES

1. The setting for **either** “price of play” **or** “credits” on SW1 as shown below are selected using **SW3/S4** as shown in SW3 settings below.

i.e. SW3/S4 must be set to On if “Price of Play” options are required.

SW3/S4 must be set to Off if “Credit Programs” are required.

2. The **Price of Play** refers to multiples of the **Base Coinage** that the coin mechanism has been programmed to accept:

- UK Mechanism. The mechanism is programmed for a 10p base and gives play values from 10p (1 coin) to £1.50 (15 coin).
- USA Mechanism. The mechanism is programmed for a 25c base and gives play values from 25c (1 coin) to \$3.75 (15 coin).
- Euro Mechanism. The mechanism is programmed for a 10c base and gives play values from 10c (1 coin) to 1.50 (15 coin).

JOLLY ROGER AMUSEMENT RIDES

NOTE

In the following table the **Price of Play/Base Coinage Selection** - 15 Coin will be added and available to the the user from late 2004.

SW1

S1	S2	S3	S4	Price Of Play Selected	Or	Pre - Programmed Credit Options Available
on	off	off	off	1 Coin	Or	30 P 1 RIDE 50 P 2 RIDES £1 5 RIDES
off	on	off	off	2 Coin	Or	20 P 1 RIDE 50 P 3 RIDES
on	on	off	off	3 Coin	Or	40 P 1 RIDE £1 3 RIDES
off	off	on	off	4 Coin	Or	50 P 1 RIDE £1 £2 3 RIDES 6 RIDES
on	off	on	off	5 Coin	Or	60 P 1 RIDE £1 £2 2 RIDES 5 RIDES
off	on	on	off	6 Coin	Or	10 P 1 RIDE 30 P 4 RIDES
on	on	on	off	7 Coin	Or	£1 1 RIDE £2 3 RIDES
off	off	off	on	8 Coin	Or	£2 1 RIDE
on	off	off	on	9 Coin	Or	20 P 1 RIDE 40 P 3 RIDES
off	on	off	on	10 Coin	Or	10 P 1 RIDE 20 P 3 RIDES
on	on	off	on	11 Coin	Or	60p 1 RIDE £1 £2 2 RIDES 4 RIDES
off	off	on	on	12 Coin	Or	70p 1 RIDE £1 £2 2 RIDES 4 RIDES
on	off	on	on	13 Coin	Or	
off	on	on	on	14 Coin	Or	Free Play For Exhibition Or Test Use
on	on	on	on		Or	
off	off	off	off			

JOLLY ROGER AMUSEMENT RIDES

SW2 - Ride time

4.10 SW2 is used to set the ride time. The ride time can be set from 30 seconds to 120 seconds in 15 second increments or to run for as long as the main background soundtrack.

SW2

Ride Time	S1	S2	S3	S4
30 secs	off	off	off	OFF
45 secs	on	off	off	OFF
60 secs	off	on	off	OFF
75 secs	on	on	off	OFF
90 secs	off	off	on	OFF
105 secs	on	off	on	OFF
120 secs	off	on	on	OFF
Ride time set to soundtrack	on	on	on	OFF

NOTE

S4 is used for a diagnostic test sequence during manufacture and under normal operating conditions is not used and must be set to the **OFF** position.

SW3 - Additional ride features

4.11 SW3 selects additional ride features and should be set as shown in the following table:

SW3

	S1	S2	S3	S4
Prompt phrases On/Off	On/Off	x	x	x
Attract sounds On/Off	x	On/Off	x	x
Count no. of Rides	x	x	On	x
Count No. of Coins (coin mech. Base coin value)	x	x	Off	x
Select <i>Price of Play</i> options	x	x	x	On
Select <i>Credit Program</i> options	x	x	x	Off

JOLLY ROGER AMUSEMENT RIDES

SW 4 - Ram control options

WARNING



TO PREVENT DAMAGE OCCURRING TO THE RIDE - SW4 MUST ONLY BE SET AS SHOWN IN THE FOLLOWING TABLE. FAILURE TO OBEY THIS WARNING WILL MAKE THE RIDE INOPERABLE.

4.12 SW4 selects additional ram control options and should be set as shown in the following table:

SW4

	S1	S2	S3	S4
Ride is fitted with standard AC motor	Off	x	x	x
Ride is fitted with DC ram actuators	On	x	x	x
Level ride calibration mode	x	x	x	On

Level Ride Calibration Sequence

4.13 The level ride calibration sequence can be used to fine tune the rides level position if new rams are fitted or if for any other reason the ride is not powering up in a level condition.

- 4.13.1 Turn the ride OFF.
- 4.13.2 Set SW4/S4 to the ON position.
- 4.13.3 Turn the ride ON.
- 4.13.4 Follow the on-screen instructions.
- 4.13.5 Turn the ride OFF.
- 4.13.6 Set SW4/S4 to the OFF position.
- 4.13.7 Turn the ride ON.

Fuses

4.14 All fuses are “anti-surge” rated, they are located in the front face of the timer/video control unit and the ram drive control unit. Never replace fuses with a higher value than recommended. The following tables shows the fuse values applicable to the ride:

Fusing values - Timer/Video system

Timer/Flasher fuse	3.15A
Video fuse	1A
Screen fuse	3.15A
Main fuse - 240v	3.15A
Main fuse - 110v	6.3A

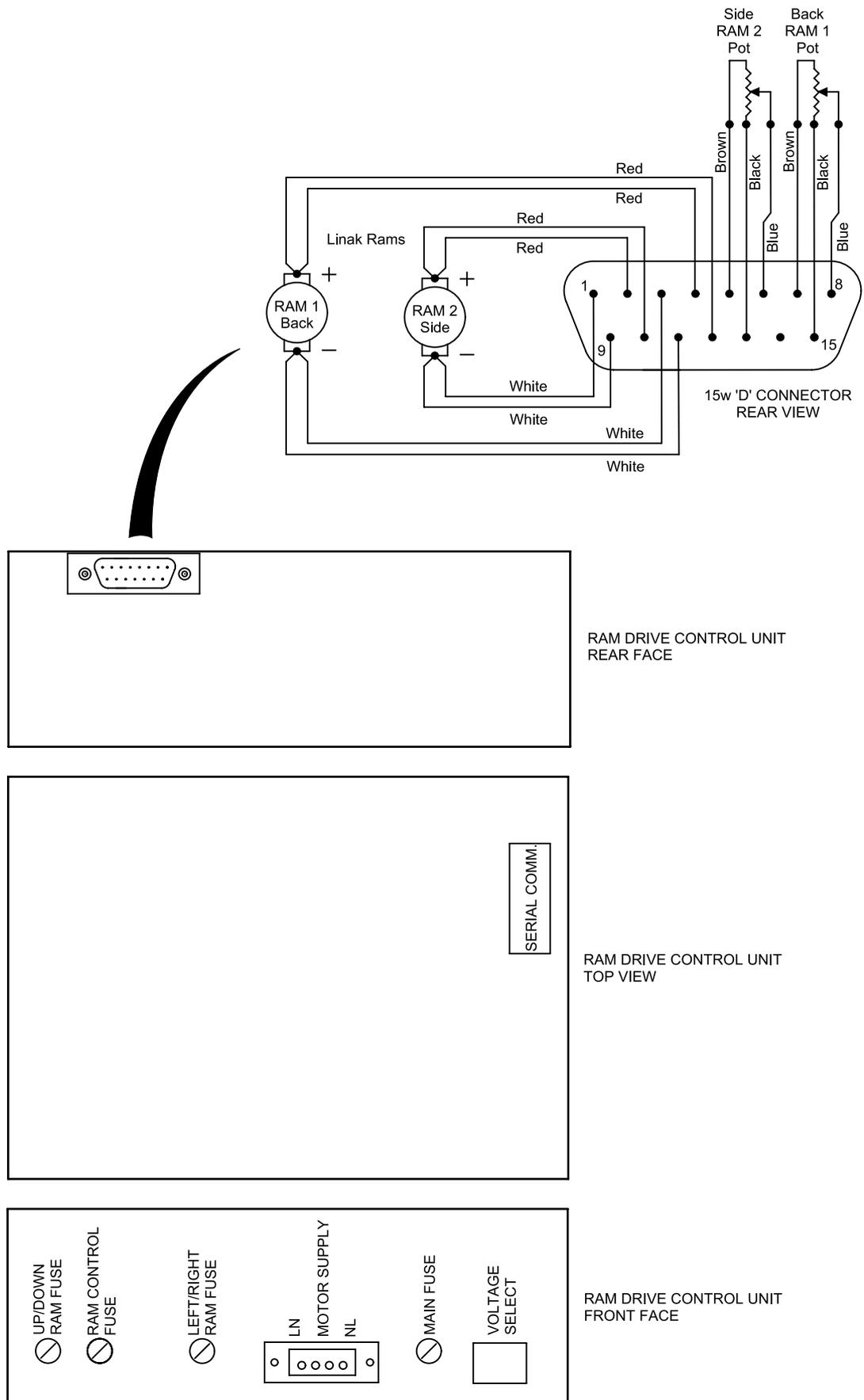


Fig 2 Ram drive control unit

JOLLY ROGER AMUSEMENT RIDES

Fusing values - Ram drive system

Up/Down ram fuse	3.15A
Ram control fuse	1A
Left/Right ram fuse	3.15A
Main fuse - 240v	3.15A
Main fuse - 110v	6.3A

Volume adjustment

4.15 The volume adjuster is located on the front of the video/timer control unit. To gain access to the volume adjuster remove the ride video monitor (refer to para 4.16) and locate the timer/video programmable control unit - facing the video monitor opening. Rotate the volume adjuster - clockwise or counter-clockwise to obtain the required volume.

Video monitor

4.16 The video monitor (protected by a toughened clear glass screen) is located in the windscreen framework facing the ride seat. To remove/refit the video monitor proceed as follows:

NOTE

When removing and refitting the video monitor take care when handling the toughened clear glass protective screen.

4.16.1 Locate the two attachment bolts at the top of the screen that secure the monitor to the windscreen framework. Remove the two attachment bolts, pull the monitor forward from the top and lift the monitor out of its location.

4.16.2 Disconnect the power input and video input connectors from the monitor and withdraw the monitor from the windscreen framework.

4.16.3 Refit the monitor by connecting the video input and power input connectors to the monitor.

4.16.4 Make sure there is a good connection between the video input and power input connectors. A poor connection could result in failure of the monitor. Locate the monitor into the windscreen framework.

4.16.5 Refit the two attachment bolts and secure the monitor to the windscreen framework.

Bearings

4.17 All bearings are greased for life and should normally not be re-packed with grease. However, in certain circumstances the bearings may require lubrication. If this situation arises, apply grease sparingly.

Body and other mouldings

4.18 Clean with damp cloth rinsed out in soapy water, do not hose down or flood the machine. Alternatively, a proprietary household furniture cleaner may be used.

JOLLY ROGER AMUSEMENT RIDES

Removal of body shell

NOTE

Refer to Figure 5 in Spare Parts section for item numbers.

4.19 To remove the body shell:

4.19.1 Remove the ride video monitor (refer to para 4.16) and remove the two front mounting bolts, spring washers, washers and nuts (Fig 5, items 12, 11, 10 and 9) situated inside the video monitor opening, which attach the front body to the chassis.

4.19.2 Unlock and open the cash box door and remove the cash box. Remove the two rear mounting bolts, spring washers, washers and nuts (Fig 5, items 12, 11, 10 and 9) situated inside the cash box opening, which attach the rear body to the chassis.

4.19.3 Disconnect the electrical wiring underneath the body shell by undoing the plug and socket connector.

4.19.4 Remove body shell.

Ram Units

4.20 The two ram units are “sealed for life units” and should not be tampered with. The ram units are installed to the ride chassis structure. No maintenance is necessary as the units are repaired by replacement. To replace the a ram unit proceed as follows:

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS, CARRY OUT ANY SERVICING OR MAINTENANCE.



4.20.1 Disconnect the machine from the electrical power supply.

4.20.2 Gain access to the ram unit.

4.20.3 Disconnect the ram unit electrical connector.

4.20.4 Remove the nut, bolt and washer assemblies that secure the ram unit to the chassis.

4.20.5 Remove the ram unit from the ride.

4.20.6 Install the new ram unit in position and secure to the chassis with the nut, bolt and washer assemblies.

4.20.7 Connect the ram unit electrical connector.

4.20.8 Connect the electrical power and test the ride.

4.20.9 If necessary proceed with the ride level calibration sequence, Para 4.13.

JOLLY ROGER AMUSEMENT RIDES

Daily checks

4.21 A check of each coin-operated Kiddie Ride should, whenever reasonably practical, be carried out each day before it is made available for the public. The following checks are recommended:

- 4.21.1 Check that the mains plug is undamaged and securely attached to the mains cable.
- 4.21.2 Check that the mains cable is undamaged.
- 4.21.3 Check that there are no broken or damaged parts of the ride that may cause injury.
- 4.21.4 Check that all guards are in place thus preventing any access to the mechanism.
- 4.21.5 Apply pressure to the ride to make sure that it is firmly secured to the base stem and check that all advisory literature is in place.
- 4.21.6 Make sure the area around the ride is free from obstruction and that persons passing by are not in any danger.
- 4.21.7 The ride should be kept clean and free from any customised additions unless approved by the manufacturer.

4.22 If as a result of the above visual checks any doubt arises, then the company, supplier or person responsible for the ride should be notified immediately.

JOLLY ROGER AMUSEMENT RIDES

SPARE PARTS

1. The machine serial number (if given) on the reference plate must always be quoted.
2. Quote the full part number and description as set out in the list.
3. State precisely how parts are to be despatched.
Home: By post, carrier or road transport.
Overseas: By sea freight, airmail or air freight.
4. Keep orders separate from other correspondence.
5. Foreign orders must be sent through our accredited agent, an established London House, or accompanied by a remittance.
6. Replacement parts which are not of genuine Jolly Roger supply, cannot be relied upon to be to the correct specification, material or workmanship. Jolly Roger therefore cannot be expected to extend their Warranty to Kiddies Rides which have been fitted with parts which Jolly Roger has not supplied.
7. Jolly Roger reserve the right to make changes or improvements in the construction or specification of their products at any time.

Conditions of Business

1. Particulars given in this list are subject to withdrawal and alteration without notice.
2. All quotations are subject to confirmation before acceptance of order.
3. All goods are supplied on the conditions that Jolly Roger shall not be liable for any direct or consequential damage arising from delay in delivery or from defective material, other than is covered by our usual form of guarantee.
4. Whilst every effort is made to ensure the accuracy of the particulars contained in this book, modifications and specification changes to the Kiddies Ride are on-going. These may affect the information specified. No responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of information in this book not being in accord with modifications or Kiddies Ride specification changes which are subsequent to the date of this book. Also, no responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of any misinterpretation of the information specified in this parts book.

JOLLY ROGER AMUSEMENT RIDES

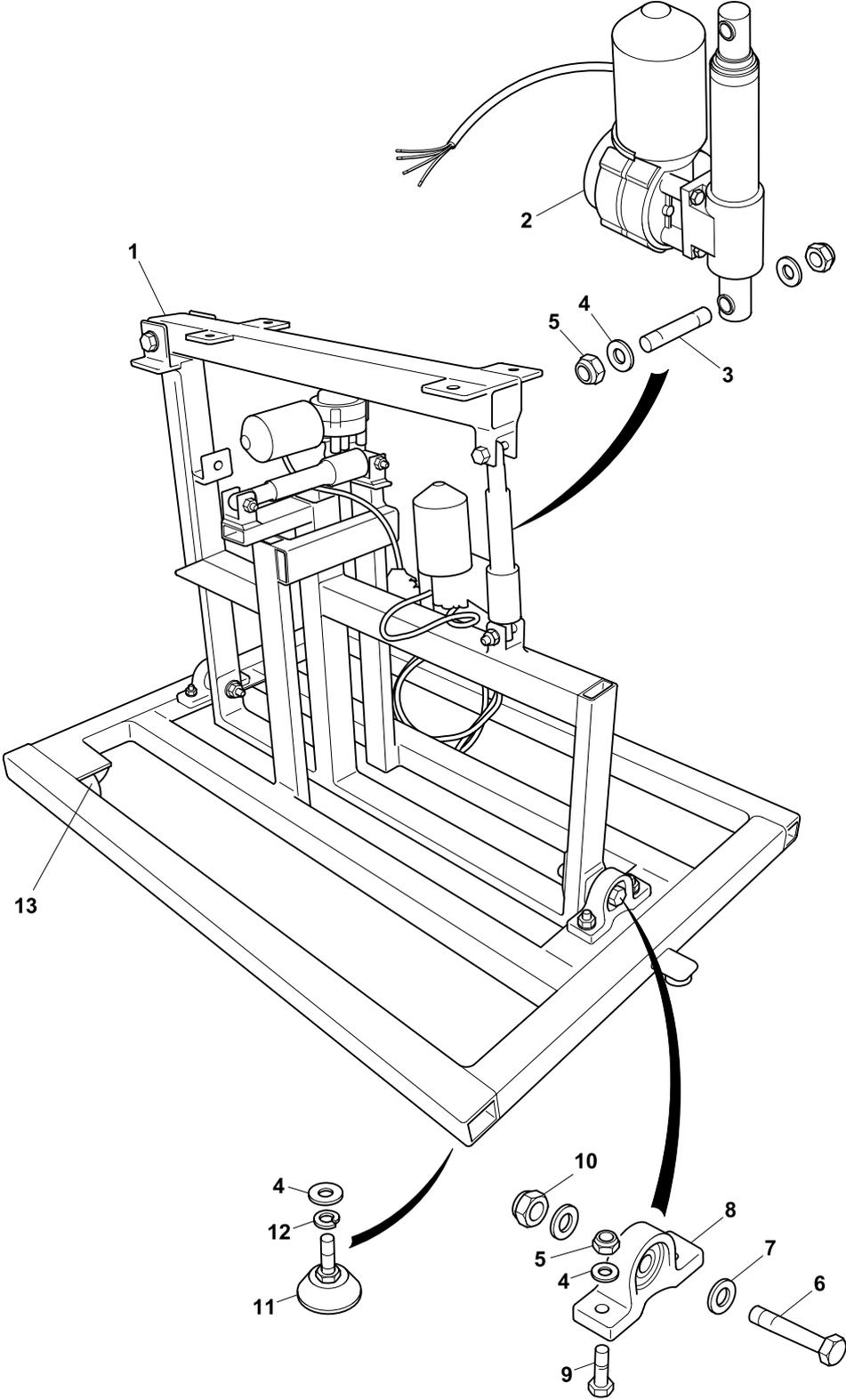


Fig 3 Chassis assembly

JOLLY ROGER AMUSEMENT RIDES

Parts list - Chassis assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	3000020	Chassis assembly, comprising:	-
1	3100009	Chassis	1
2	2000002	Actuator	2
3	8210001	Shaft, pivot	4
4	7600200	Washer, M10	14
5	7700200	Nut, M10, Nyloc	12
6	7000707	Bolt, M12 x 50	2
7	7600300	Washer, M12	4
8	6000000	Housing, bearing assembly, NP12	2
9	7000604	Bolt, M10 x 35	4
10	7700300	Nut, M12, Nyloc	2
11	3800000	Foot, rubber	2
12	7600201	Washer, M10, spring	2
13	5120002	Castor	2
-	† 6100000	Bearing	2

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES

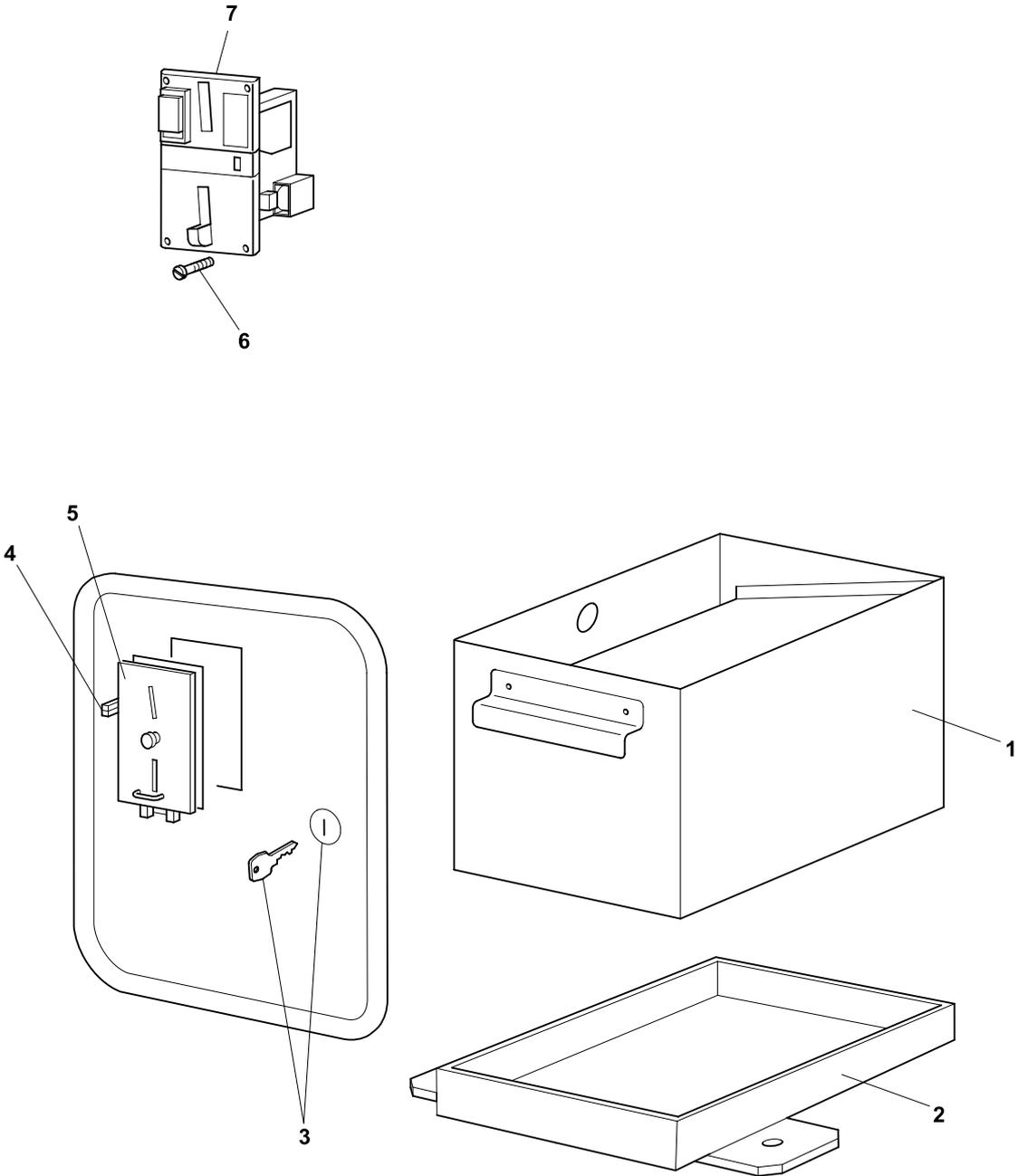


Fig 4 Coin collection assembly (System 4000)

JOLLY ROGER AMUSEMENT RIDES

Parts list - Coin collection assembly (System 4000)

† Item not illustrated

Item No	Part No	Description	QTY
-	4000006	Coin collection assembly comprising:	-
1	4100001	Cash box	1
2	4100010	Location tray, cash box	1
3	9300006	Lock complete with keys	1
4	4100020	Housing, coin collection	1
5	2500000	Microswitch, coin acceptor	1
6	4200008	Coin acceptor	1
7	7200000	Screw, cap head, M4 x 20	4
8	4200005	Coin acceptor, electronic assembly (optional) comprising:	1
-	† 4200006	Mechanism, electronic coin acceptor	1
-	† 4200007	Wiring loom, electronic coin acceptor	1
-	† 2100012	Timer, System 4000	1
-	† 2100013	Nut, timer	2
-	† 2100009	Counter, coin impulse	1

Note: Refer to manufacturer when ordering items from this list.

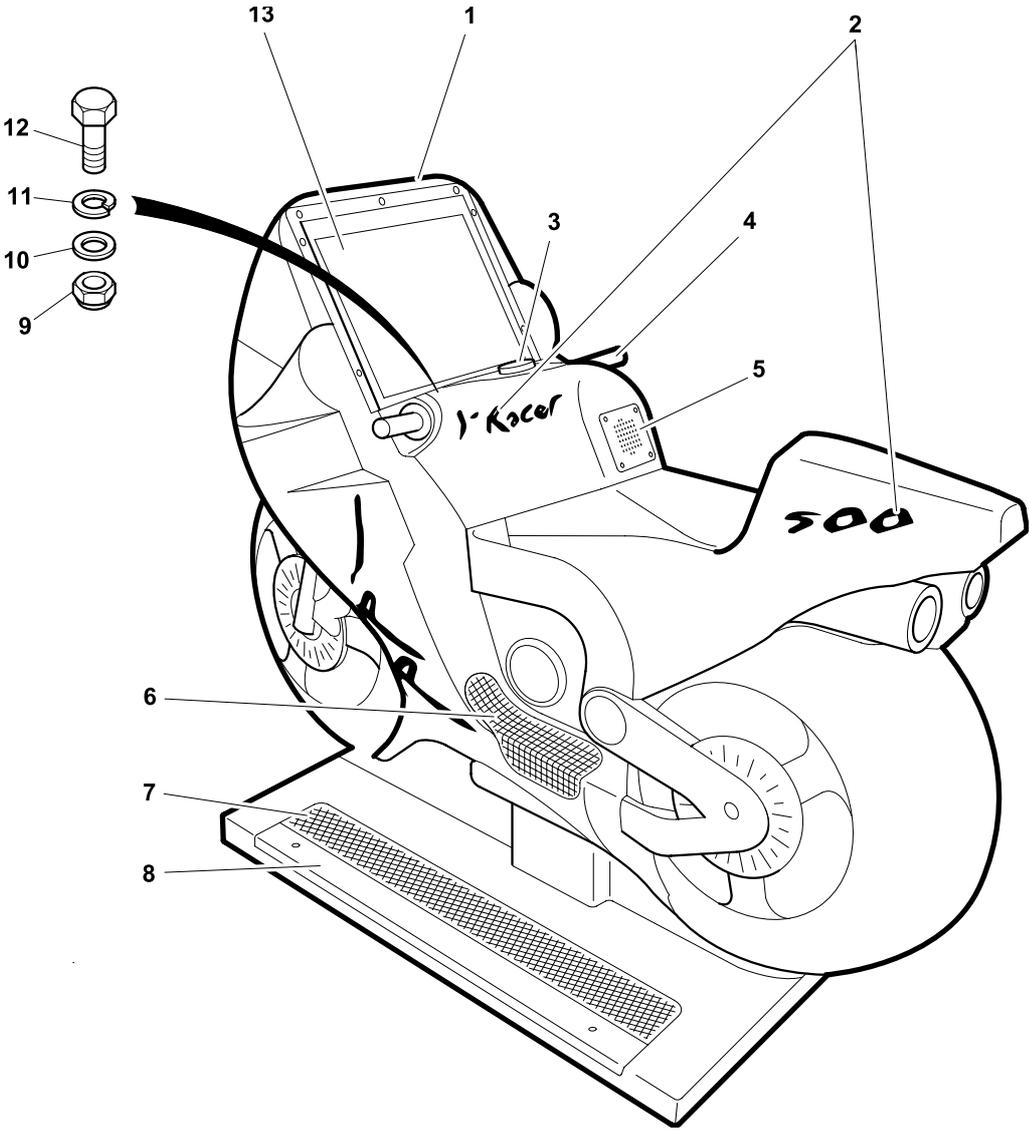


Fig 5 Body shell assembly

JOLLY ROGER AMUSEMENT RIDES

Parts list - I - Racer body shell assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	1080068	Body shell assembly, comprising:	-
1	1100068	Moulding, body	1
2	1700068	Decal set, I - Racer	1
3	2520010	Switch, multi-functional	1
4	12100001	Hand-grips	2
-	† 2600000	Loudspeaker	1
5	2610000	Cover plate, loudspeaker	1
6	1300056	Tread, rubber, self-adhesive	2
7	1300072	Foot-plate	2
8	1300056	Step, edge, foot-plate	2
9	7700200	Nut, M10, nyloc	4
10	7600200	Washer, M10	8
11	7600201	Washer, spring M10	4
12	7000602	Bolt, M10 x 35, Hexagon head	4
-	† 1200002	Handle, small	1
13	2910000	Screen, monitor	1

Note: For coin acceptor and cash box details see coin collection assembly parts list

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES

Parts list - Timer/vidio & ram controllers

† Item not illustrated

Item No.	Part No.	Description	QTY
-	† 2900519	<u>Timer/video control unit</u>	1
-	† 2900520	S. Video lead	1
-	† 2900522	Extended electronic mech. lead	1
-	† 2900523	Power supply 120VA transformer	1
-	† 2900524	Power supply PCB assembly	1
-	† 2900525	Timer/video PCB assembly	1
-	† 2900526	12v Cooling fan	1
-	† 2900528	<u>Ram control unit</u>	1
-	† 2900529	Power supply 160VA transformer	1
-	† 2900530	Power supply PCB assembly	1
-	† 2900531	Ram controller PCB assembly	1

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with the BACTA Industry Standard, the HSE Fairgrounds and Amusement Parks A Code of Safe practice, the Health and Safety at Work Act 1974. (All applicable in the United Kingdom).

THIS CERTIFICATE DOES NOT EXONERATE THE OPERATOR FROM REGULAR CHECKING AND MAINTENANCE OF THE MACHINE TO WHICH IT APPLIES.

Jolly Roger (Amusement Rides) Ltd.
College View Works,
Manby Road,
Grimoldby, Louth,
Lincolnshire,
England. LN11 8HE

Telephone (01507) 328856 Telefax (01507) 327060

E-mail: sales@jolly-roger.co.uk

JOLLY ROGER AMUSEMENT RIDES

Jolly Roger (Amusement Rides) Ltd.

College View Works,
Manby Road,
Grimoldby,
Louth,
Lincolnshire,
England. LN11 8HE

Telephone: + 44 (0)1507 328856
Fax: + 44 (0)1507 327060
E-mail: sales@jolly-roger.co.uk

EC DECLARATION OF CONFORMITY

Manufacturer: As above

Details of Electrical Equipment

Type No.: 2

Description: Coin-operated Childrens Ride

Directives this equipment complies with: Electrical Equipment (Safety) Regulations 1994, SI No3260 (Regulation 5. (1)).
Electromagnetic Compatability Directive 89/336/EEC
Low voltage directive 72/23/EEC (article 2) as amended by 93/68/EEC.

Harmonised standards applied in order to verify compliance with Directives: EN 50081-1:1992
EN 50082-1:1992
EN 60335-1:1994 inc. AMDS A11, A1, A12, A13, A14, A2, A15 and A16 - Safety of Household and Similar Electrical Appliance.
EN 55014-1: 1993 EN61000-3-2:1995 + A1: 1998 + A2: 1998
EN 61000-3-3: 1995 EN55014-2: 1997 Category 2
EN 60335-2-82: 2000 - Particular Requirements for Service Machines and Amusement Machines

Year in which CE mark was affixed: 2004

Authorised Signatory:

Manufacturer

Date of Issue

1st January 2004

Name: R.J.Newborough

Place of Issue

Position: Managing Director

Grimoldby, England

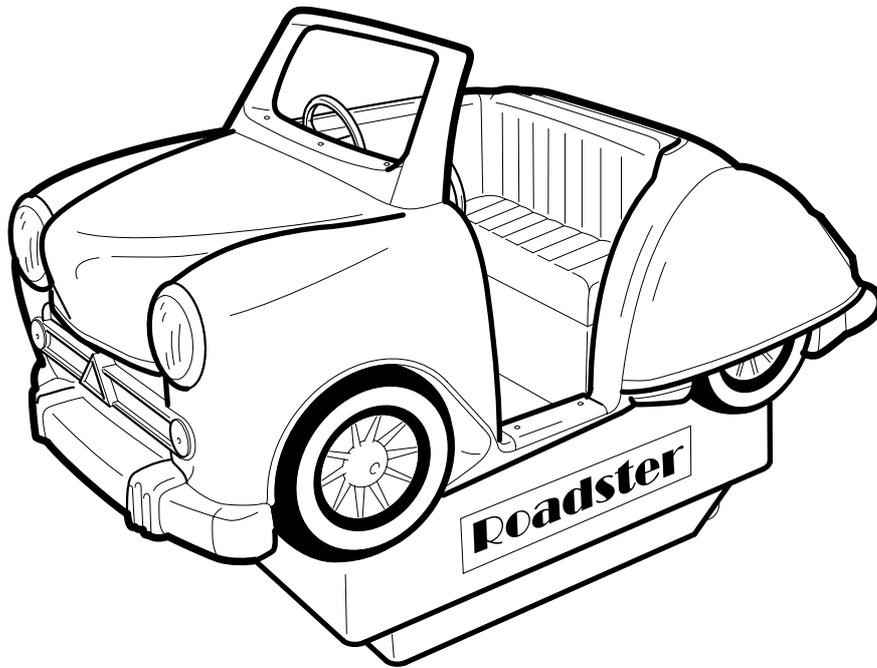


Annex B

Contents

JOLLY ROGER AMUSEMENT RIDES

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ROADSTER HANDBOOK

System 4000



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JOLLY ROGER (Amusement Rides) Ltd reserves the right to make changes, for the purpose of product improvement, at any time.

Jolly Roger (Amusement Rides) Ltd. College View Works, Manby Road, Grimoldby, Louth, Lincolnshire, England. LN11 8HE.

Telephone: + 44 (0) 1507 328856

Fax: + 44 (0) 1507 327060

E-mail: sales@jolly-roger.co.uk

This handbook was prepared for Jolly Roger (Amusement Rides) Ltd
by
Bowne Global Solutions Ltd.,
Cophall Terrace,
Coventry'
United Kingdom
CV1 2FP

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

INTRODUCTION

Thank you for purchasing your new Kiddie Ride from Jolly Roger (Amusement Rides) Limited and we trust it will give many years of trouble-free profitable service.

Whilst this booklet has been produced primarily with our United Kingdom and European customers in mind, it will certainly be of benefit to other users worldwide.

Reference is made to the United Kingdom Health and Safety at Work Act - Code of Safe Practice at Fairs (which specifically includes coin operated Children's Rides), the Industry Standard for the construction, operation and use of coin-operated Children's Rides, and the EC Declaration of Conformity (CE Mark).

The Rides comply with United Kingdom and European Community regulations, and are ETL listed to comply with US Standard UL 22 covering Amusement Games and Canadian standard C22.2 No 68 covering motor operated appliances.

The rides are designed for intermittent use and the maximum anticipated duty cycle is 30 operations per hour.

The guidance given in this publication is relevant to the safe operation of children's rides wherever they may be operated.

WARNINGS & CAUTIONS

The international safety sign is used throughout this Handbook where specific safety precautions are detailed. The sign is positioned so that the precautions are readily identifiable.

WARNING



INTERNATIONAL SAFETY SIGN

WARNINGS

Warnings call attention to instructions, which must be followed precisely to avoid injury or death.

CAUTIONS

Cautions call attention to instructions, which must be followed precisely to avoid damaging the equipment.

JOLLY ROGER AMUSEMENT RIDES

HEALTH AND SAFETY - CODE OF SAFE PRACTICE AT FAIRS - INDUSTRY STANDARDS

(UNITED KINGDOM)

1.1 Our equipment has been manufactured to the highest standard of construction and safety in order to conform to the H.S.E. Fairground and Amusement Parks, A Code of Safe Practice and the U.K. Health and Safety at Work Act 1974.

1.2 This machine must be earthed. (CONNECTED TO GROUND)

1.3 If a 13 Amp BS1363 plug is fitted then a 5 amp fuse should be fitted. (UK only)

1.4 If the ride is to be situated outdoors, the socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a residual current circuit breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.

1.5 In addition to our manufacturer's test and the daily checks every ride shall be subject to a Thorough Examination by an appointed person once every period of 14 months. (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). The regulation applies in the UK only, however it is sound operating practice wherever a ride is operated.

1.6 The appointed person need not be independent, but should be at least 21 years old, registered under the Amusement Device Inspection Procedures Scheme (ADIPS) and be competent by such qualifications, knowledge, experience and supporting services to be able to make an assessment of the safety of the ride, including any associated equipment/parts e.g. electrical, hydraulic or pneumatic.

1.7 The appointed person should have the technical competence to recognise the significance of the effects of stresses, loadings and fatigue and also be competent to determine the extent of permissible wear.

1.8 The Thorough Examination is to be carried out by a registered body in accordance with the regulations laid down in the Health and Safety at Work Act 1974 (Fairgrounds and Amusements Parks-Guidance on Safe Practice, HSG 175). A Report of Inspection is to be completed after the Thorough Examination. (Applicable in UK only).

1.9 On completion of the Thorough Examination, a Declaration of Operational Compliance (DOC) certificate is to be issued which must be retained for a period of ten years and be available for inspection by the Health and Safety Inspectorate and/or the appropriate officer of the Environmental Health Department of a Local authority. (Applicable in UK only).

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



1.10 If considered necessary, further protection to the power supply may be afforded by conduit, trunking, or rubber protector strip with tapered edges and non-slip ribbed bases. Care is needed to avoid a tripping hazard.

1.11 The Kiddie Rides should be so sited that the length of cable between the ride and socket outlet is a minimum. For floor mounted socket outlets, the ride may be positioned so that there is virtually no exposed cable.

1.12 Galvanised steel braided armoured cable and flexible copper braided cable cannot be satisfactorily terminated in a 13 amp standard (BS 1363) plug. Such cables can be terminated in industrial type plugs BS 196 or BS 4343 or equivalent, but these require the special suitable sockets. (Applicable in UK only).

JOLLY ROGER AMUSEMENT RIDES

INSTALLATION

Siting

WARNING



IT IS NOT RECOMMENDED THAT THE RIDE BE SITED ON A PLINTH, PLATFORM OR ANY FORM OF MATTING. DOING THIS WILL INCREASE THE HEIGHT OF THE RIDE FROM THE GROUND AND MAY CAUSE INJURY FROM FALLING OR TRIPPING.

2.1 A common sense approach should be adopted when siting Kiddie Rides. The following items are an indication, but not exhaustive:

2.1.1 Position the Ride on a level surface.

2.1.2 Whenever practical make sure there is adequate clearance all round the Ride to minimise the risk of injury to the passengers or public. If possible, a 1 metre clearance around the ride is recommended.

2.1.3 **DO NOT** obstruct emergency exits.

2.1.4 **DO NOT** obstruct fire appliances, hydrants etc.

2.1.5 If sited outside:

The socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a Residual Current Circuit Breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.

DO NOT operate in adverse weather conditions.

NOTE

This ride is considered suitable for outdoor protected locations i.e. under a canopy, or cover and not in a position where the ride could be exposed to direct rain or snow, or other adverse weather conditions.

2.1.6 **DO NOT** locate the ride directly against the plug, which should remain accessible at all times

2.1.7 The ride is not suitable for installation or operation in an area where a water jet could be used

CAUTION

For safety reasons the electrical wiring is colour coded as follows:



2.1.8 For rides with 220-240 volt electrical supply, the wiring colour codes are:

Brown - live
Green/Yellow-earth
Blue – neutral.

2.1.9 For rides with 110-120 volt electrical supply, the wiring colour codes are:

Black - live
Green - earth
White – neutral.

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

INSTALLATION

Site d'installation

ATTENTION  **IL N'EST PAS RECOMMANDE DE CONDUIRE SUR UNE PENTE, RAMPE OU AUTRE AFIN DE NE PAS ELEVER LA HAUTEUR DU VEHICULE ET NE PAS CAUSER DE BLESSURES EN RAISON DE RENVERSEMENT OU D'ACCROCHAGE.**

2.1 Faites appel à votre bon sens quand vous choisissez le site d'installation des manèges pour enfants. Les points suivants sont donnés à titre indicatif mais ne sont pas exhaustifs:

2.1.1 Placer le manège sur une surface nivelée.

2.1.2 Dès lors que les conditions pratiques le permettent, s'assurer qu'il y a suffisamment d'espace tout autour du manège pour minimiser le risque de blessures pouvant être causées aux passagers ou au public. Si c'est possible, il est conseillé de laisser 1 mètre d'espace tout autour du manège.

2.1.3 **NE PAS** obstruer les sorties de secours.

2.1.4 **NE PAS** obstruer les bouches d'incendie et la voie de passage des voitures de pompiers.

2.1.5 Si le manège est situé à l'extérieur:

La fiche d'alimentation secteur devrait être branchée avec une prise mâle résistant aux intempéries et protégée en permanence par un disjoncteur de courant résiduel ou un disjoncteur différentiel ayant un taux de déclenchement ne dépassant pas 30 milliampères en 30 milli-secondes.

NE PAS faire fonctionner cette machine lors d'intempéries.

NOTE

On considère que ce manège est adapté à des endroits en plein air abrités, par exemple sous un toit, ou un abri et placé de sorte que le manège ne soit pas exposé directement à la pluie ou à la neige ou à d'autres intempéries.

2.1.6 **NE PAS** installer le manège directement contre la prise; cette dernière devrait toujours être accessible.

2.1.7 Il n'est pas convenable d'installer ou de faire marcher le manège dans un endroit où l'on pourrait utiliser des jets d'eau.

AVERTISSEMENT  **Pour des raisons de sécurité, le circuit électrique est repéré par couleurs comme indiqué ci-dessous:**

2.1.8. Pour les manèges alimentés en 220-240 volt, le circuit électrique est le suivant:

Marron : phase
Vert/Jaune : terre
Bleu : neutre.

2.1.9 Pour les manèges alimentés en 110-120 volt, le circuit électrique est le suivant:

Noir : phase
Vert : terre
Blanc : neutre.

ATTENTION  **TOUJOURS DEBRANCHER LA MACHINE DE L'ALIMENTATION SECTEUR AVANT D'EFFECTUER TOUTE REPARATION OU TOUTE VERIFICATION.**

JOLLY ROGER AMUSEMENT RIDES

OPERATION

General

3.1 A coin-operated Kiddie Ride should not be used unless a D.O.C. has been provided, indicating that the device is safe to operate (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). This regulation applies in the UK only.

JOLLY ROGER AMUSEMENT RIDES

MAINTENANCE

GENERAL

4.1 The rides do not require any periodic maintenance but, they should be checked regularly to ensure that they are in a safe condition for operation by the general public. In the unlikely event of the need to make adjustments or repairs to the machine, the following procedures are recommended.

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS OR COIN MECHANISMS.



Control unit

4.2 The control unit, which operates at 12 volts, is located at the back of the coin acceptor compartment. To remove/refit the control unit proceed as follows:

4.2.1 Remove the coin acceptor (para 4.3 or 4.4).

4.2.2 Remove the two thumb nuts located at each end of the unit.

4.2.3 The control unit may now be removed by pulling it forwards and withdrawing it through the coin acceptor aperture in the cash box assembly.

4.2.4 The mode of operation may now be altered by referring to the basic configuration, as printed on its enclosure, or by referring to the advanced configuration referred to at para 4.7.

4.2.5 Refit the unit by positioning it on the two locator bolts and gently pushing it back into place, ensuring that the plugs and sockets connect to each other.

4.2.6 Refit the two thumb nuts to ensure a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

Coin acceptor (mechanical)

4.3 To remove/refit the coin acceptor proceed as follows:

4.3.1 Remove the coin acceptor by turning the lock situated on the faceplate - the coin acceptor can now be removed from the machine and the wires pulled off the coin acceptor microswitch if desired.

NOTE

Ensure that the wires are reconnected on the correct terminals (C and NO).

4.3.2 To remove litter from the coin acceptor, slide off the spring clip on the top of the mechanism and remove side plate, then remove any litter or obstruction.

4.3.3 Refit the coin acceptor in reverse order to removal, ensuring that the pins on the main coin acceptor body locate in the dimples on the side plate.

4.3.4 Adjusting screws for coin diameter and thickness are also located on the side plate, these are factory set and should not normally require alteration.

JOLLY ROGER AMUSEMENT RIDES

Coin acceptor (electronic) MARS

4.4 To remove/refit the coin acceptor proceed as follows:

4.4.1 Remove the coin acceptor by turning the lock situated on the faceplate and disconnect the cable plug from the printed circuit board on the mechanism - the coin acceptor can now be removed from the machine.

4.4.2 To remove litter from the coin acceptor, pull the hinged side plate sideways and remove any litter or obstruction. Release hinged side plate.

4.4.3 Refit the coin acceptor in reverse order to removal, ensuring that the cable plug is reconnected to the printed circuit board on the mechanism.

WARNING NEVER REMOVE OR REPLACE AN ELECTRONIC MECHANISM WITH THE POWER SUPPLY SWITCHED ON.



Electronic coin mechanism MARS - switch positions

4.5 To inhibit coins:

With machine switched on:

4.5.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = ON.

4.5.2 Press reject button within 20 seconds of setting slide switches.

4.5.3 Insert all coins to be inhibited.

4.5.4 Press reject button within 20 seconds of inserting coins. Inhibited coins should now be rejected.

4.6 To re-enable inhibited coins:

With machine switched on:

4.6.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = OFF.

4.6.2 Press reject button within 20 seconds of setting slide switches.

4.6.3 Insert all coins to be re-enabled.

4.6.4 Press reject button within 20 seconds of inserting coins. Previously inhibited coins should now be accepted.

NOTE

Mechanism must be powered up before changing switch positions. Switch positions must be moved prior to attempting either of the above.

JOLLY ROGER AMUSEMENT RIDES

Stamar “Plug n Play” Kiddie Ride Controller Credit Programming Instructions

4.7 The “Plug n Play” Timer Unit can now be programmed “on-site” for any Credit functions as shown by the following instructions. This facility is incorporated on all software from JRTDv4 onwards

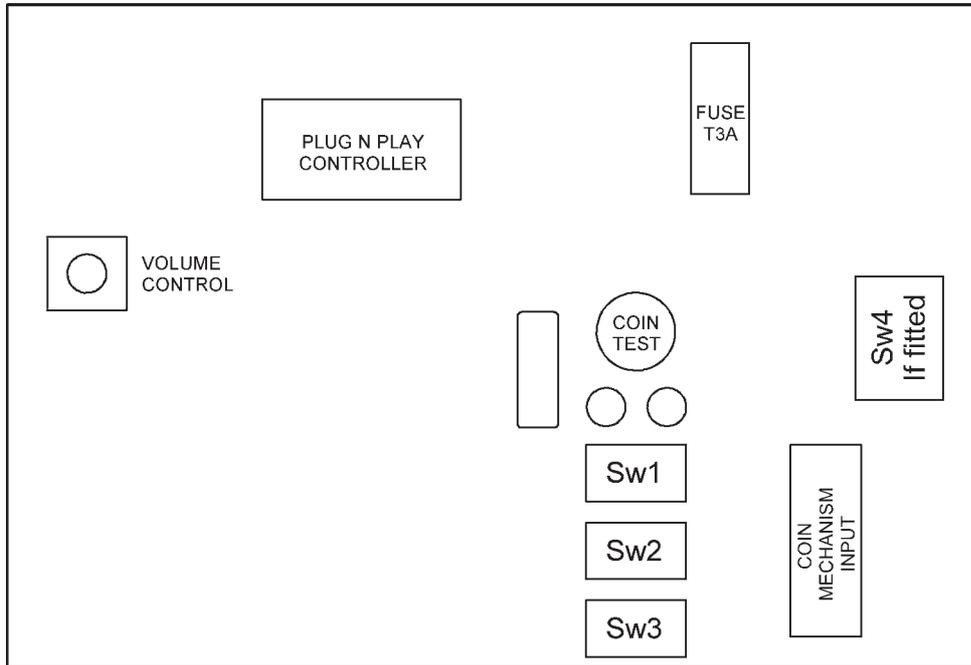


Fig 1 Programmable Control Unit

JR423

Credit Programming sequence

1. Turn Ride OFF
2. Make a note of the current SW1 settings
3. Set ALL SW1 switches to the OFF position
4. Turn the Ride ON
5. Enter coins to the value of the first Credit value
6. Press the Ride Start Switch for the number of rides required for this credit value
7. Insert coins for the next credit value required
8. Press the Ride Start Switch for the next number of rides required
9. Repeat this process until ALL credit values have been entered
10. Now PRESS and HOLD the Ride Start Switch until the voice prompt announces that the programming is completed, approximately 4-5 seconds
11. Turn the Ride OFF
12. Set ALL SW1 switches to the ON position
13. The new Credit Program is now installed
14. If at any time during the process, you wish to cancel the programming function, simply turn the Ride OFF and re-set the original SW1 positions. This will restore the previous credit program

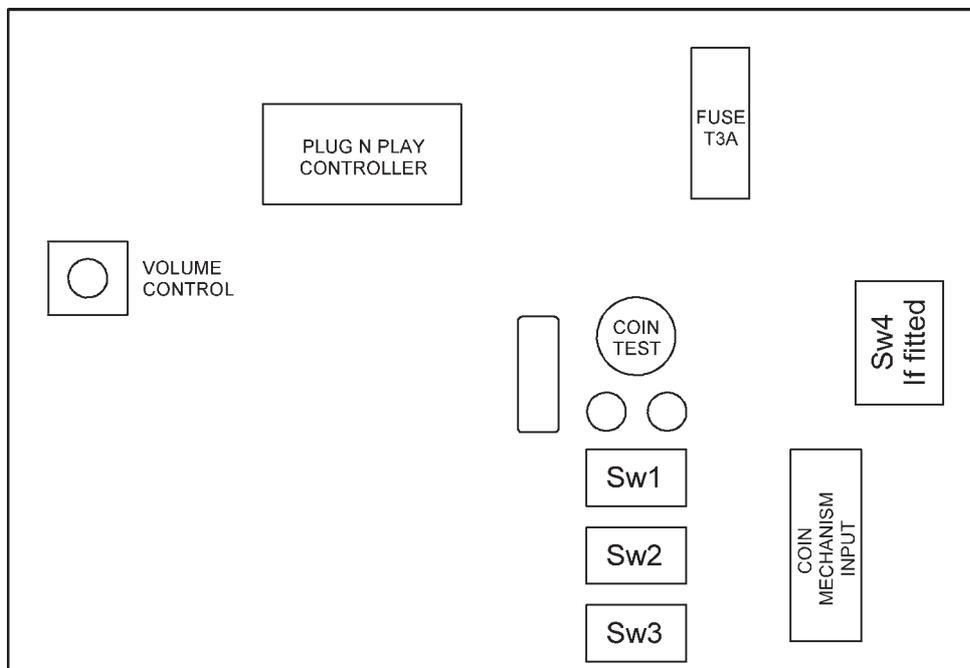
JOLLY ROGER AMUSEMENT RIDES

Stamar “Plug n Play” Kiddie Ride Controller Configuration Instructions

4.8 The new “Plug n Play” programmable control unit has four externally accessible DIL switches, SW1, SW2, SW3 and SW4, which are used to select the most popular modes of operation.

NOTES

1. It is advisable to remove the control unit from the ride as this will assist viewing the switches and referring to these instructions. The control unit can be easily “unplugged” from the ride **AFTER POWER TO THE RIDE HAS BEEN SWITCHED OFF** and the two mounting bolts have been removed.
2. All alterations to these switches should only be made after power to the ride has been turned off as this will avoid any unintentional damage to the control unit and/or the ride.



JR423

Fig 1 Programmable Control Unit

JOLLY ROGER AMUSEMENT RIDES

SW1 sets the Price of Play value or Credit Program Options.

4.9 The SW1 switch is used to set price at play value or credit program options.

NOTES

1. The setting for **either** “price of play” **or** “credits” on SW1 as shown below are selected using **SW3/S4** as shown in SW3 settings below.

i.e. SW3/S4 must be set to On if “Price of Play” options are required.

SW3/S4 must be set to Off if “Credit Programs” are required.

2. The **Price of Play** refers to multiples of the **Base Coinage** that the coin mechanism has been programmed to accept:

- UK Mechanism. The mechanism is programmed for a 10p base and gives play values from 10p (min) to £2.00 (max).
- USA Mechanism. The mechanism is programmed for a 25c base and gives play values from 25c (min) to \$3.75 (max).

SW1

S1	S2	S3	S4	Price Of Play Selected	Or	Pre - Programmed Credit Options Available
on	off	off	off	1 Coin	Or	30 P 1 RIDE 50 P 2 RIDES £1 5 RIDES
off	on	off	off	2 Coin	Or	20 P 1 RIDE 50 P 3 RIDES
on	on	off	off	3 Coin	Or	40 P 1 RIDE £1 3 RIDES
off	off	on	off	4 Coin	Or	50 P 1 RIDE £1 £2 3 RIDES 6 RIDES
on	off	on	off	5 Coin	Or	60 P 1 RIDE £1 £2 2 RIDES 5 RIDES
off	on	on	off	6 Coin	Or	10 P 1 RIDE 30 P 4 RIDES
on	on	on	off	7 Coin	Or	£1 1 RIDE £2 3 RIDES
off	off	off	on	8 Coin	Or	£2 1 RIDE
on	off	off	on	9 Coin	Or	20 P 1 RIDE 40 P 3 RIDES
off	on	off	on	10 Coin	Or	10 P 1 RIDE 20 P 3 RIDES Available on JRTDv3 software onwards 01/05/2001
on	on	off	on	11 Coin	Or	60p 1 RIDE £1 £2 2 RIDES 4 RIDES Available on JRTDv4 software onwards 01/05/2002
off	off	on	on	12 Coin	Or	70p 1 RIDE £1 £2 2 RIDES 4 RIDES
on	off	on	on	13 Coin	Or	
off	on	on	on	14 Coin	Or	Free Play For Exhibition Or Test Use
on	on	on	on	15 Coin	Or	Programmable By User
off	off	off	off	User on site Programming Mode		Available on JRTDv4 software onwards

JOLLY ROGER AMUSEMENT RIDES

Ride time

4.10 SW2 is used to set the ride time. The ride time can be set from 30 seconds to 120 seconds in 15 second increments or to run for as long as the main background soundtrack.

SW2

Ride Time	S1	S2	S3	S4
30 secs	off	off	off	OFF
45 secs	on	off	off	OFF
60 secs	off	on	off	OFF
75 secs	on	on	off	OFF
90 secs	off	off	on	OFF
105 secs	on	off	on	OFF
120 secs	off	on	on	OFF
Ride time set to soundtrack	on	on	on	OFF

)

SW3

	S1	S2	S3	S4
Prompt phrases On/Off	On/Off	x	x	x
Attract sounds On/Off	x	On/Off	x	x
Count no. of Rides	x	x	On	x
Count No. of Coins (coin mech. Base coin value)	x	x	Off	x
Select <i>Price of Play</i> options	x	x	x	On
Select <i>Credit Program</i> options	x	x	x	Off

JOLLY ROGER AMUSEMENT RIDES

Ride flasher options

4.12 SW4 selects the ride flasher options (if fitted).

SW4

	S1	S2	S3	S4
1 Channel flasher output	Off	Off	x	OFF
2 Channel running flasher outputs	On	Off	x	OFF
3 Channel running flasher outputs	Off	On	x	OFF
4 Channel running flasher outputs	On	On	x	OFF
Standard flasher speed	x	x	Off	OFF
Fast flasher speed	x	x	On	OFF

NOTE

S4 is used to select “Program Mode” and under normal operating conditions is not to be used and must be set to the **OFF** position. “Program Mode” should only be used by experienced operators familiar with the extended programming sequence, or under direct instruction from Jolly Roger (Amusement Rides) Ltd., or Stamar Electronics.

Volume adjustment

4.13 Access to the volume control knob is gained by removing the coin mechanism (para 4.3 or 4.4) and is adjusted by turning the control knob on the timer which is located on the back wall of the compartment.

Access to other components

4.14 Access to the Power supply unit (PSU), main fuses and other components on the chassis is gained by removing the bottom cover (para 4.22).

Drive belt adjustment

4.15 The “final drive” belt is adjusted by loosening the four bolts holding the camshaft bearings and sliding the whole assembly to adjust.

NOTE

This belt should run tight.

4.16 The “countershaft” belt is adjusted by loosening the four bolts holding the motor and sliding the motor to adjust.

NOTE

This belt should run quite loose.

4.17 Both belts are correctly tensioned during manufacture and should not require adjustment.

Bearings

4.18 All bearings are greased for life and should normally not be re-packed with grease. However, in certain circumstances the bearings may require lubrication. If this situation arises, apply grease sparingly.

JOLLY ROGER AMUSEMENT RIDES

Fuses

4.19 Fuses are located in the side of the PSU. Never replace fuses with a higher value than recommended.

Body and other mouldings

4.20 Clean with damp cloth rinsed out in soapy water, do not hose down or flood the machine. Alternatively, a proprietary household furniture cleaner may be used.

Removal of body shell

NOTE

Refer to Figure 7 in Spare Parts section for item numbers.

4.21 To remove the body shell

4.21.1 Remove the four bolts, nuts (Fig 7 item 9) and washers (Fig 7 item 8) situated under the body shell, which attach the body to the chassis.

4.21.2 Disconnect the electrical wiring underneath the body shell by undoing the plug and socket connector.

4.21.3 Remove body shell.

Removal of bottom cover

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



4.22 To remove the bottom cover proceed as follows

CAUTION Care is to be taken when carrying out step 4.22.1



4.22.1 Turn ride on to its side.

4.22.2 Remove the four hexagon retaining screws that secure the bottom cover.

4.22.3 Refit in reverse order to the removal.

Daily checks

4.23 A check of each coin-operated Kiddie Ride should, whenever reasonably practical, be carried out each day before it is made available for the public. The following checks are recommended: -

4.23.1 Check that the mains plug is undamaged and securely attached to the mains cable.

4.23.2 Check that the mains cable is undamaged.

4.23.3 Check that there are no broken or damaged parts of the ride that may cause injury.

4.23.4 Check that all guards are in place thus preventing any access to the mechanism.

4.23.5 Apply pressure to the ride to ensure that it is firmly secured to the base stem and check that all advisory literature is in place.

JOLLY ROGER AMUSEMENT RIDES

4.23.6 Ensure the area around the ride is free from obstruction and that persons passing by are not in any danger.

4.23.7 The ride should be kept clean and free from any customised additions unless approved by the manufacturer.

4.24 If as a result of the above visual checks any doubt arises, then the company, supplier or person responsible for the ride should be notified immediately.

Motor

The motor is fitted with a manual re-set thermal overload cut-out device in accordance with UL requirements.

4.25 When the motor does not operate, check if the thermal overload cut-out device has operated and re-set as follows:

CAUTION When the thermal overload cut-out device has operated, investigate and correct the fault before the ride is returned to use.



4.25.1 Disconnect the machine from the electrical power supply

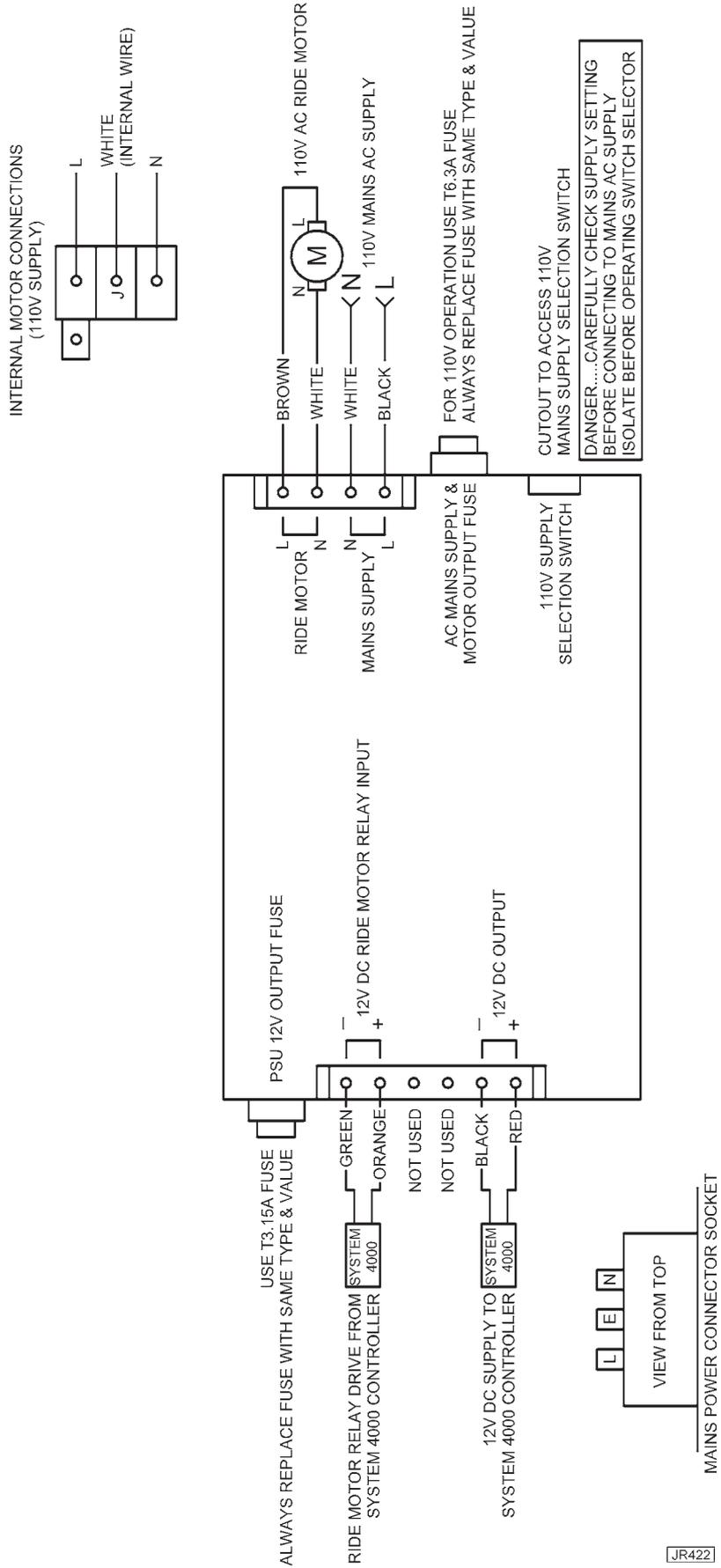
4.25.2 Remove the bottom cover from the machine (para 4.22).

4.24.3 Re-set the thermal overload cut-out button on the motor backplate.

4.25.4 Refit the bottom cover to the machine (para 4.22).

4.25.5 Connect the electrical power and test the ride.

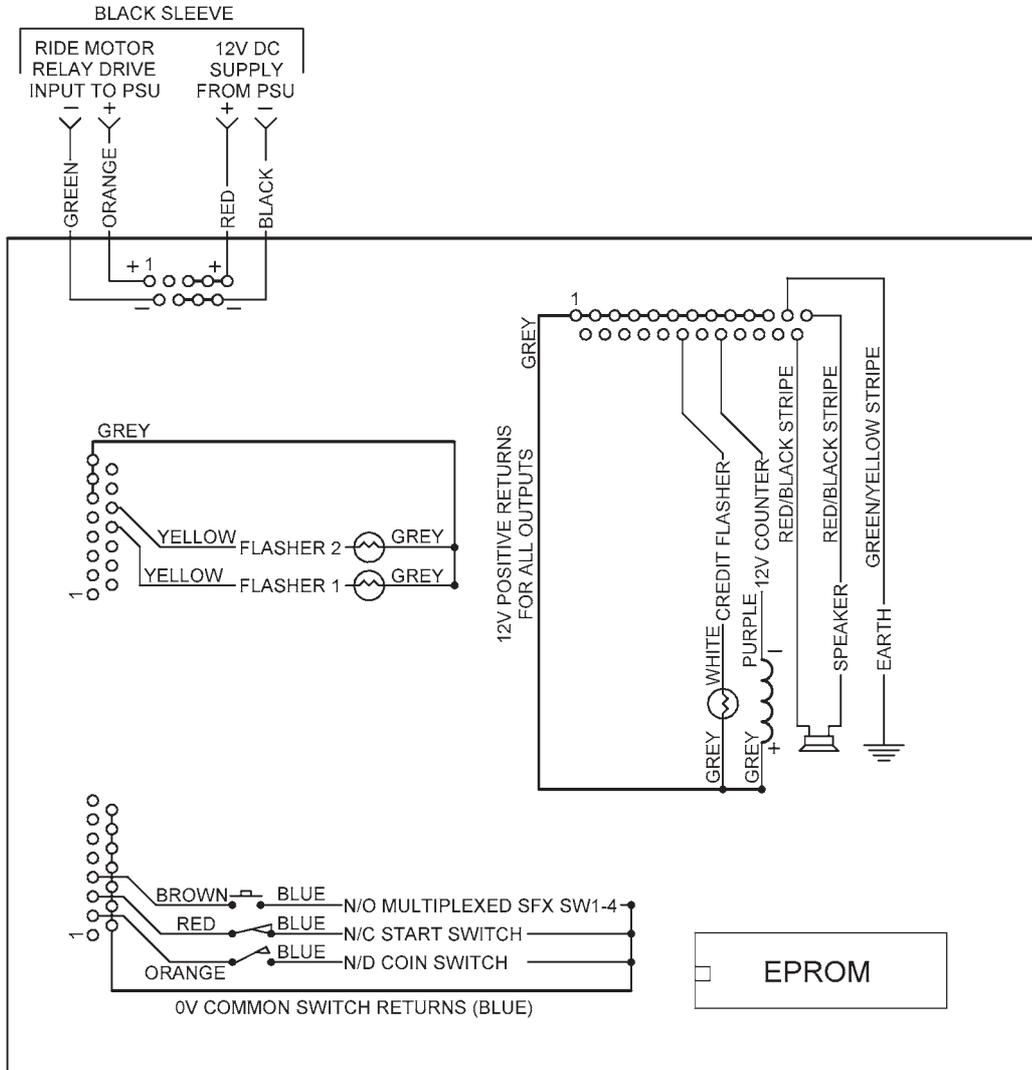
JOLLY ROGER AMUSEMENT RIDES



JR422

Fig 3 Wiring diagram (rides with the 110 Volts supply) - (System 4000)

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JR420

Fig 4 Wiring diagram cash box - Base to body loom connector (System 4000)

JOLLY ROGER AMUSEMENT RIDES

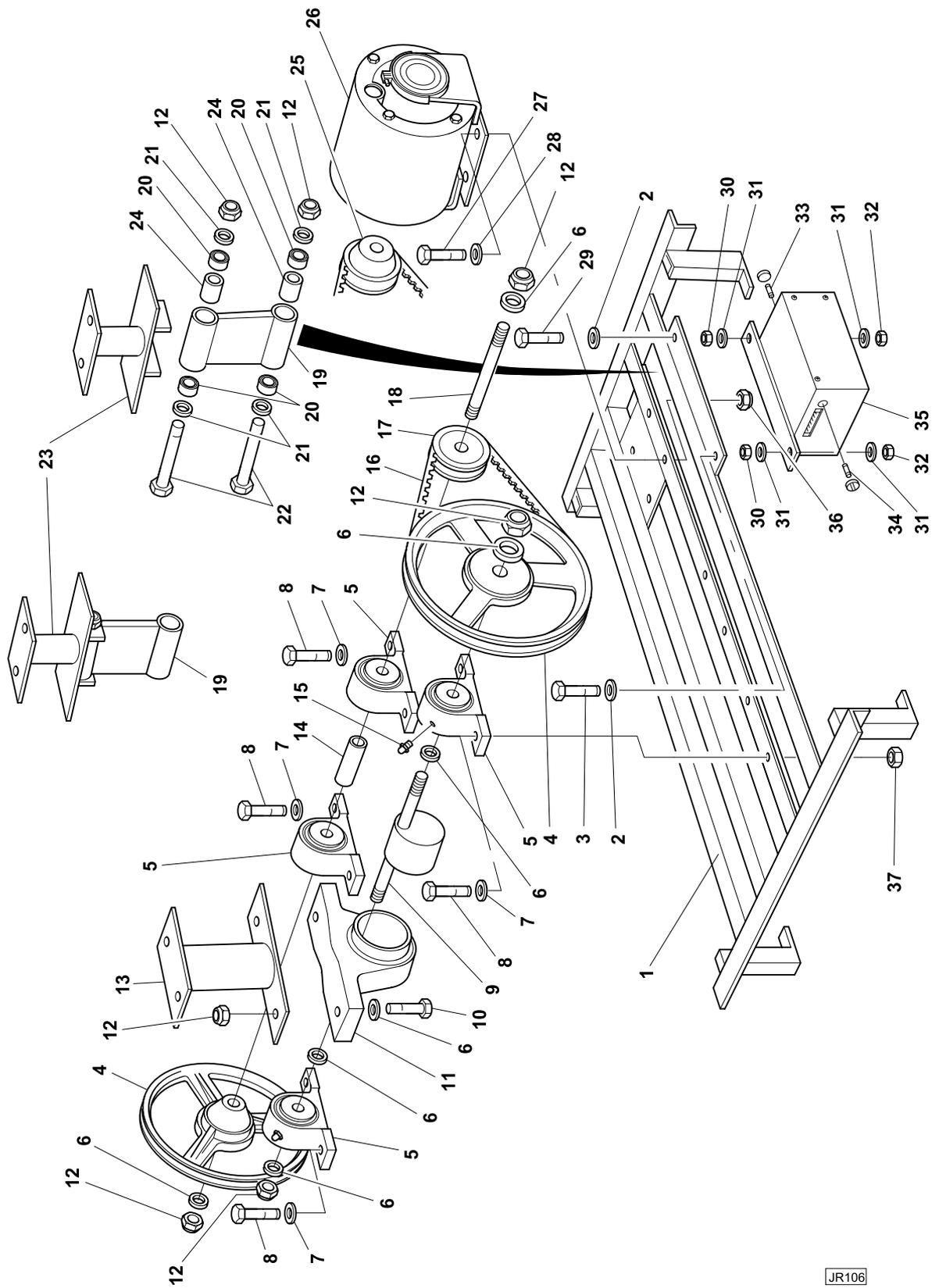
SPARE PARTS

1. The machine serial number (if given) on the reference plate must always be quoted.
2. Quote the full part number and description as set out in the list.
3. State precisely how parts are to be despatched.
Home: By post, carrier or road transport.
Overseas: By sea freight, airmail or air freight.
4. Keep orders separate from other correspondence.
5. Foreign orders must be sent through our accredited agent, an established London House, or accompanied by a remittance.
6. Replacement parts which are not of genuine Jolly Roger supply, cannot be relied upon to be to the correct specification, material or workmanship. Jolly Roger therefore cannot be expected to extend their Warranty to Kiddies Rides which have been fitted with parts which Jolly Roger has not supplied.
7. Jolly Roger reserve the right to make changes or improvements in the construction or specification of their products at any time.

Conditions of Business

1. Particulars given in this list are subject to withdrawal and alteration without notice.
2. All quotations are subject to confirmation before acceptance of order.
3. All goods are supplied on the conditions that Jolly Roger shall not be liable for any direct or consequential damage arising from delay in delivery or from defective material, other than is covered by our usual form of guarantee.
4. Whilst every effort is made to ensure the accuracy of the particulars contained in this book, modifications and specification changes to the Kiddies Ride are on-going. These may affect the information specified. No responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of information in this book not being in accord with modifications or Kiddies Ride specification changes which are subsequent to the date of this book. Also, no responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of any misinterpretation of the information specified in this parts book.

JOLLY ROGER AMUSEMENT RIDES



JR106

Fig 5 Chassis assembly

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Parts list - Chassis assembly

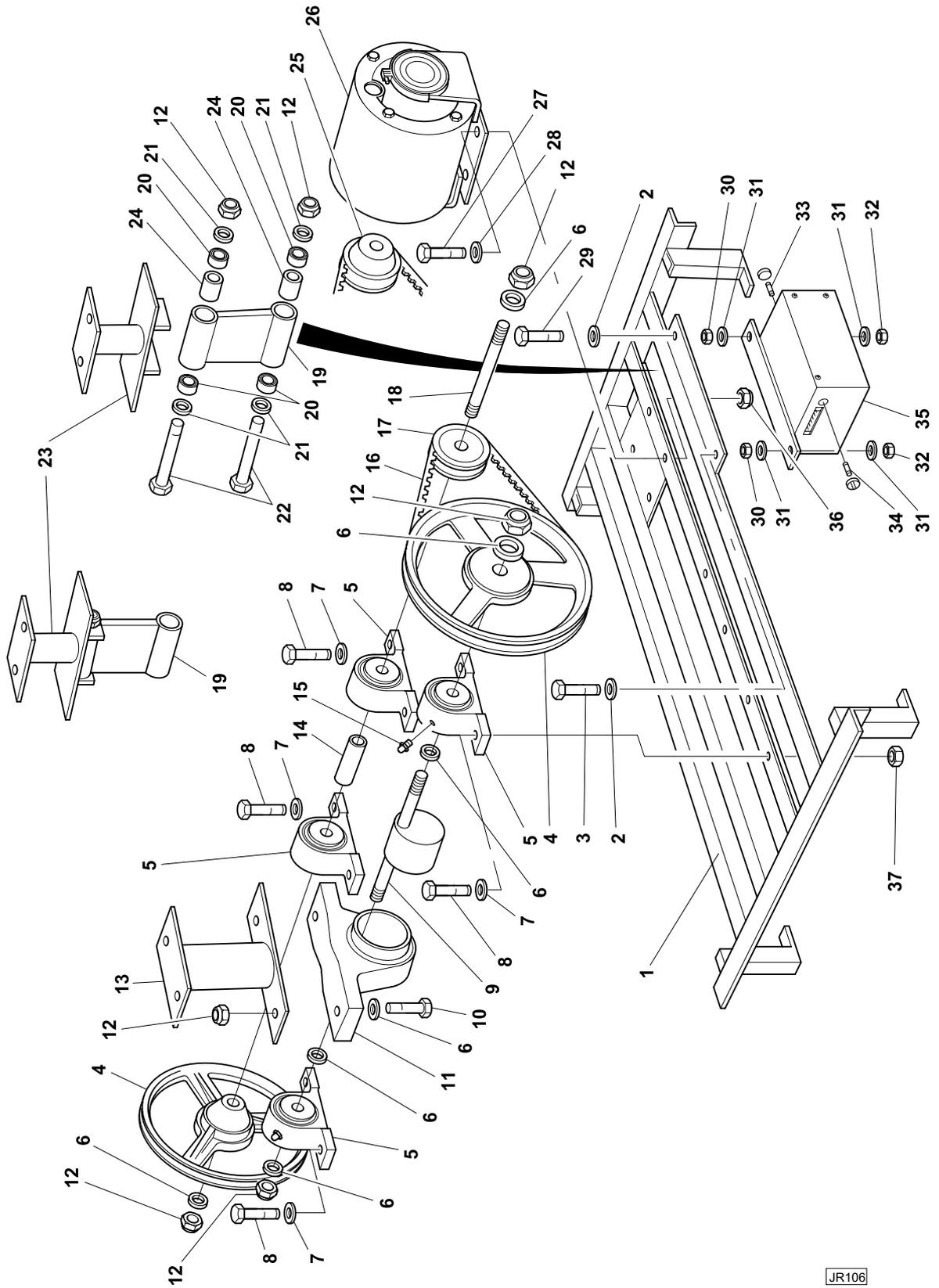
† Item not illustrated

Item No	Part No	Description	QTY
-	3000011	Chassis assembly, comprising:	-
1	3100002	Chassis	1
2	7600000	Washer, M6	2
3	7000203	Bolt, cap head, hexagon socket, M6 x 25	1
4	8000000	Pulley, 224 SPA x 12 mm x 1A	2
5	6000000	Housing, bearing assembly, NP12	4
6	7600300	Washer, M12	10
7	7600200	Washer, M10	8
8	7000604	Bolt, M10 x 35	8
9	8200000	Camshaft	1
10	7000707	Bolt, M12 x 50	2
11	6000001	Housing, bearing assembly, SL40	1
12	7700300	Nut, M12, Nyloc	6
13	3200002	Arm, top, front	1
14	9000003	Spacer, 89 mm long	1
15	9100000	Nipple, grease	5
16	8100000	Belt, vee, A 33 (A 870)	2
17	8000002	Pulley, 43 SPA x 12 mm x 1A	1
18	8210000	Countershaft	1
19	3200001	Arm, pivot	2
20	6100000	Bearing, 6001 ZZ	8
21	9050000	Shim, M12	8
22	7000900	Bolt, precision, M12 x 110	4
23	3200003	Arm, top, rear	2
24	9000002	Spacer, 60 mm long	4
25	8000001	Pulley, 43 SPA x 1/2 in x 1A	1

Cont.

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES



JR106

Fig 5 Chassis assembly (Continued)

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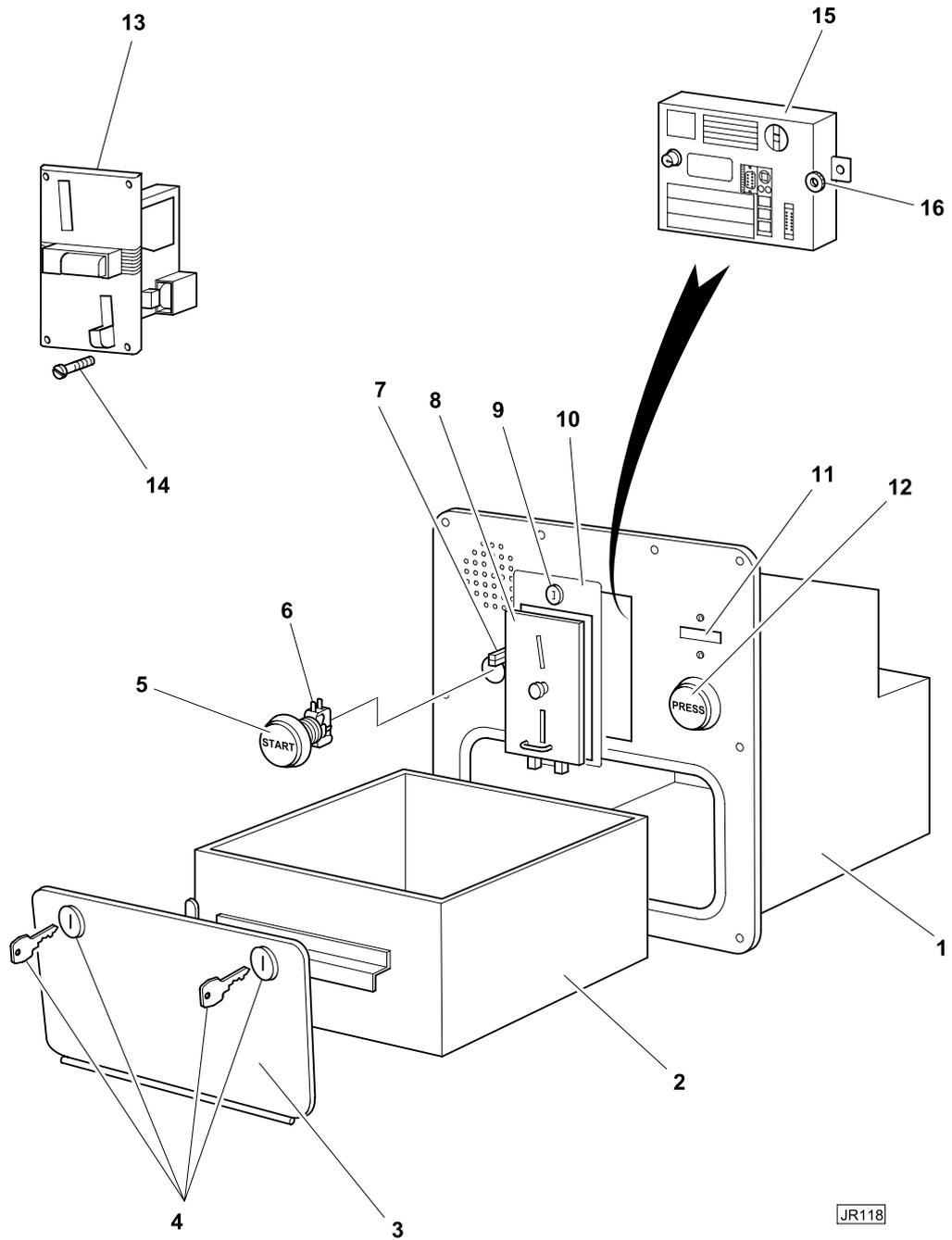
Parts list - Chassis assembly

† Item not illustrated

Item No	Part No	Description	QTY
Cont.			
-	3000011	Chassis assembly, comprising:	-
26	2000001	Motor, 220/240 volts 50 Hz	1
-	2000000	Motor, 110 volts 60 Hz (alternative)	1
27	7000503	Bolt, M8 x 25	4
28	7600100	Washer, M8	4
29	7000204	Bolt, cap head, hexagon socket, M6 x 30	8
30	7700001	Nut, M6	2
31	7600001	Washer, M6 x 25 dia	6
32	7700000	Nut, M6, nyloc	2
33	2400006	Fuse, output, 12 volt T5A	1
34	2400004	Fuse main, T3.15A	1
-	2400007	Fuse main, T6.3A (alternative for 110-120V 60Hz)	1
35	2100011	Power supply unit	1
36	7700100	Nut, M8, Nyloc	4
37	7700200	Nut, M10, Nyloc	8
-	† 5120001	Castor, 2 inch	2
-	† 1110047	Bottom cover moulding	1
-	† 7000503	Bolt, hexagon head M8 x 25 c/w washers and nut	4
-	† 2200003	Mains lead	1

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES



JR118

Fig 6 Coin collection assembly (System 4000)

JOLLY ROGER AMUSEMENT RIDES

Parts list - Coin collection assembly (System 4000)

† Item not illustrated

Item No	Part No	Description	QTY
-	4000006	Coin collection assembly comprising:	-
1	4100020	Housing	1
2	4100001	Cash box	1
3	4100021	Door	1
4	9300006	Lock complete with keys	2
5	2520008	Switch, pushbutton, round, START, green	1
-	† 2920008	Bulb, 2.2 watt, wedge	1
6	2520010	Microswitch	1
7	2500000	Microswitch, coin acceptor	1
8	4200008	Coin acceptor	1
9	9300004	Lock complete with keys	1
10	4200009	Plate, coin acceptor	1
11	2100009	Counter, coin impulse (fitted internally)	1
12	2520009	Switch, pushbutton, round, PRESS, red	1
-	† 2920008	Bulb, 2.2 watt wedge	1
-	† 2520010	Microswitch	1
13	4200005	Coin acceptor, electronic assembly (optional) comprising:	1
-	† 4200006	Mechanism, electronic coin acceptor	1
-	† 4200007	Wiring loom, electronic coin acceptor	1
14	7200000	Screw, cap head, M4 x 20	4
15	2100012	Timer, System 4000	1
14	2100013	Nut, timer	2
-	† 2600000	Loudspeaker	1

Note: Refer to manufacturer when ordering items from this list.

JOLLY ROGER AMUSEMENT RIDES

Parts list - Body Shell Assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	1080069	Body shell assembly, comprising:	
1	1100069	Moulding, body	1
	† 1100075	Moulding, wheel, spare	1
2	1800011	Windscreen	1
3	5300001	Steering wheel, small	2
4	1600012	Half disc, plastic	3
-	† 3600005	Bracket, steering wheel	2
-	† 7000715	Bolt, M12 x 90	2
-	† 7700302	Nut, M12 special	2
5	1700069	Decal set	2
6	1300061	Step edge, 8 inch	1
7	1300062	Foot tread	1
8	7600200	Washer, M10	4
9	7700200	Nut, M10	4
	† 7000600	Bolt, M10 x 25, Hex head	4
10	1600004	Disc, plastic	2
11	1600006	Reflector, amber	4
12	2900004	Lamp, type B	2
	† 2920002	Bulb, 12 volt, 5 watt, scc	AR
	† 1600003	Reflector, red, round	2

Note: For coin acceptor and cash box details see coin collection assembly parts list

Note: Refer to manufacturer when ordering items from this list

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JOLLY ROGER AMUSEMENT RIDES

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with the BACTA Industry Standard, the HSE Fairgrounds and Amusement Parks A Code of Safe practice, the Health and Safety at Work Act 1974. (All applicable in the United Kingdom).

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with United States Standard ANSI/UL22 and Canadian C.S.A. Standard C22.2 No. 68.92 and in particular have carried out tests for Earth bonding and dielectric strength. The rides have also been tested and comply with requirements of FCC Part 15, Class A.

THIS CERTIFICATE DOES NOT EXONERATE THE OPERATOR FROM REGULAR CHECKING AND MAINTENANCE OF THE MACHINE TO WHICH IT APPLIES.

Jolly Roger (Amusement Rides) Ltd.
College View Works,
Manby Road,
Grimoldby,
Louth,
Lincolnshire,
England. LN11 8HE
Telephone (01507) 328856 Telefax (01507) 327060

E-mail: sales@jolly-roger.co.uk

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JOLLY ROGER AMUSEMENT RIDES

Jolly Roger (Amusement Rides) Ltd.

College View Works,
Manby Road,
Grimoldby,
Louth,
Lincolnshire,
England. LN11 8HE

Telephone: + 44 (0)1507 328856
Fax: + 44 (0)1507 327060
E-mail: sales@jolly-roger.co.uk

EC DECLARATION OF CONFORMITY (Revised 1st January 1997 and 1st September 2002)

Manufacturer: As above

Details of Electrical Equipment

Type No.: 2

Description: Coin-operated Childrens Ride

Directives this equipment complies with: Electrical Equipment (Safety) Regulations 1994, SI No3260 (Regulation 5. (1)).
Electromagnetic Compatability Directive 89/336/EEC
Low voltage directive 72/23/EEC (article 2) as amended by 93/68/EEC.

Harmonised standards applied in order to verify compliance with Directives: EN 50081-1:1992
EN 50082-1:1992
EN 60335-1:1994 inc. AMDS A11, A1, A12, A13, A14, A2, A15 and A16 - Safety of Household and Similar Electrical Appliance.
EN 55014-1: 1993 EN61000-3-2:1995 + A1: 1998 + A2: 1998
EN 61000-3-3: 1995 EN55014-2: 1997 Category 2
EN 60335-2-82: 2000 - Particular Requirements for Service Machines and Amusement Machines

Test Reported Issued by:	Notified / Competent Body	Report No.
D.J.Taylor	Intertek Testing Services	EM01005623 (A)
J.A.Bearpark	Inchcape Testing Services (U.K.) Ltd.	EM207110 Part A
T.Heathcote	Rowland Laboratories Ltd.	20584
A.Cuthbert	Intertek Testing Service	02007267/A

Year in which CE mark was affixed: 1996/7

Authorised Signatory:

Manufacturer



Date of Issue

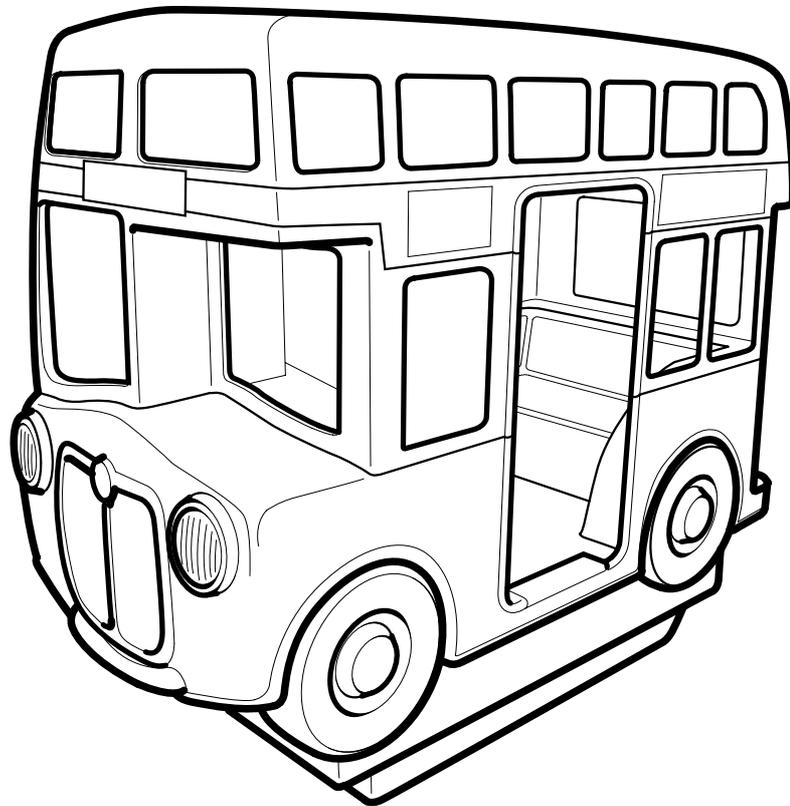
1st January 1997

Name: R.J.Newborough
Position: Managing Director

Place of Issue
Grimoldby, England

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**CITY TOUR BUS with Video &
FUN BUS HANDBOOK**

(For Video Ride Equipment Refer to:
Video Ride Equipment Handbook)



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JOLLY ROGER (Amusement Rides) Ltd reserves the right to make changes, for the purpose of product improvement, at any time.

Jolly Roger (Amusement Rides) Ltd. Heath Road, Skegness Industrial Estate, Skegness, Lincolnshire, PE25 3SU, England.

Telephone: + 44 (0) 1754 896800

Fax: + 44 (0) 1754 610066

E-mail: sales@jolly-roger.co.uk

This handbook was prepared for Jolly Roger (Amusement Rides) Ltd
by
Lionbridge (UK) Ltd.,
Cophall Terrace,
Coventry,
United Kingdom
CV1 2FP

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

INTRODUCTION

Thank you for purchasing your new Kiddie Ride from Jolly Roger (Amusement Rides) Limited and we trust it will give many years of trouble-free profitable service.

Whilst this booklet has been produced primarily with our United Kingdom and European customers in mind, it will certainly be of benefit to other users worldwide.

Reference is made to the United Kingdom Health and Safety at Work Act - Code of Safe Practice at Fairs (which specifically includes coin operated Children's Rides), the Industry Standard for the construction, operation and use of coin-operated Children's Rides, and the EC Declaration of Conformity (CE Mark).

The Rides comply with United Kingdom and European Community regulations, and are ETL listed to comply with US Standard UL 22 covering Amusement Games and Canadian standard C22.2 No 68 covering motor operated appliances.

The rides are designed for intermittent use and the maximum anticipated duty cycle is 30 operations per hour.

The guidance given in this publication is relevant to the safe operation of children's rides wherever they may be operated.

WARNINGS & CAUTIONS

The international safety sign is used throughout this Handbook where specific safety precautions are detailed. The sign is positioned so that the precautions are readily identifiable.

WARNING



INTERNATIONAL SAFETY SIGN

WARNINGS

Warnings call attention to instructions, which must be followed precisely to avoid injury or death.

CAUTIONS

Cautions call attention to instructions, which must be followed precisely to avoid damaging the equipment.

JOLLY ROGER AMUSEMENT RIDES

HEALTH AND SAFETY - CODE OF SAFE PRACTICE AT FAIRS - INDUSTRY STANDARDS

(UNITED KINGDOM)

1.1 Our equipment has been manufactured to the highest standard of construction and safety in order to conform to the H.S.E. Fairground and Amusement Parks, A Code of Safe Practice and the U.K. Health and Safety at Work Act 1974.

1.2 This machine must be earthed. (CONNECTED TO GROUND)

1.3 If a 13 Amp BS1363 plug is fitted then a 5 amp fuse should be fitted. (UK only)

1.4 If the ride is to be situated outdoors, the socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a residual current circuit breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.

1.5 In addition to our manufacturer's test and the daily checks every ride shall be subject to a Thorough Examination by an appointed person once every period of 14 months. (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). The regulation applies in the UK only, however it is sound operating practice wherever a ride is operated.

1.6 The appointed person need not be independent, but should be at least 21 years old, registered under the Amusement Device Inspection Procedures Scheme (ADIPS) and be competent by such qualifications, knowledge, experience and supporting services to be able to make an assessment of the safety of the ride, including any associated equipment/parts e.g. electrical, hydraulic or pneumatic.

1.7 The appointed person should have the technical competence to recognise the significance of the effects of stresses, loadings and fatigue and also be competent to determine the extent of permissible wear.

1.8 The Thorough Examination is to be carried out by a registered body in accordance with the regulations laid down in the Health and Safety at Work Act 1974 (Fairgrounds and Amusements Parks-Guidance on Safe Practice, HSG 175). A Report of Inspection is to be completed after the Thorough Examination. (Applicable in UK only).

1.9 On completion of the Thorough Examination, a Declaration of Operational Compliance (DOC) certificate is to be issued which must be retained for a period of ten years and be available for inspection by the Health and Safety Inspectorate and/or the appropriate officer of the Environmental Health Department of a Local authority. (Applicable in UK only).

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

1.10 If considered necessary, further protection to the power supply may be afforded by conduit, trunking, or rubber protector strip with tapered edges and non-slip ribbed bases. Care is needed to avoid a tripping hazard.

1.11 The Kiddie Rides should be so sited that the length of cable between the ride and socket outlet is a minimum. For floor mounted socket outlets, the ride may be positioned so that there is virtually no exposed cable.

1.12 Galvanised steel braided armoured cable and flexible copper braided cable cannot be satisfactorily terminated in a 13 amp standard (BS 1363) plug. Such cables can be terminated in industrial type plugs BS 196 or BS 4343 or equivalent, but these require the special suitable sockets. (Applicable in UK only).

JOLLY ROGER AMUSEMENT RIDES

INSTALLATION

Siting

WARNING



IT IS NOT RECOMMENDED THAT THE RIDE BE SITED ON A PLINTH, PLATFORM OR ANY FORM OF MATTING. DOING THIS WILL INCREASE THE HEIGHT OF THE RIDE FROM THE GROUND AND MAY CAUSE INJURY FROM FALLING OR TRIPPING.

2.1 A common sense approach should be adopted when siting Kiddie Rides. The following items are an indication, but not exhaustive:

2.1.1 Position the Ride on a level surface.

2.1.2 Ensure there is adequate clearance all round the Ride to minimise the risk of injury to the passengers or public. If possible, a 1 metre clearance around the ride is recommended.

2.1.3 **DO NOT** obstruct emergency exits.

2.1.4 **DO NOT** obstruct fire appliances, hydrants etc.

2.1.5 If sited outside:

The socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a Residual Current Circuit Breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.

DO NOT operate in adverse weather conditions.

NOTE

This ride is considered suitable for outdoor protected locations i.e. under a canopy, or cover and not in a position where the ride could be exposed to direct rain or snow, or other adverse weather conditions.

2.1.6 **DO NOT** locate the ride directly against the plug, which should remain accessible at all times

2.1.7 The ride is not suitable for installation or operation in an area where a water jet could be used

CAUTION



For safety reasons the electrical wiring is colour coded as follows:

2.1.8 For rides with 220-240 volt electrical supply, the wiring colour codes are:

Brown - live
Green/Yellow-earth
Blue – neutral.

2.1.9 For rides with 110-120 volt electrical supply, the wiring colour codes are:

Black - live
Green - earth
White – neutral.

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

INSTALLATION

Site d'installation

ATTENTION  **IL N'EST PAS RECOMMANDE DE CONDUIRE SUR UNE PENTE, RAMPE OU AUTRE AFIN DE NE PAS ELEVER LA HAUTEUR DU VEHICULE ET NE PAS CAUSER DE BLESSURES EN RAISON DE RENVERSEMENT OU D'ACCROCHAGE.**

2.1 Faites appel à votre bon sens quand vous choisissez le site d'installation des manèges pour enfants. Les points suivants sont donnés à titre indicatif mais ne sont pas exhaustifs:

2.1.1 Placer le manège sur une surface nivelée.

2.1.2 S'assurer qu'il y a suffisamment d'espace tout autour du manège pour minimiser le risque de blessures pouvant être causées aux passagers ou au public. Si c'est possible, il est conseillé de laisser 1 mètre d'espace tout autour du manège.

2.1.3 **NE PAS** obstruer les sorties de secours.

2.1.4 **NE PAS** obstruer les bouches d'incendie et la voie de passage des voitures de pompiers.

2.1.5 Si le manège est situé à l'extérieur:

La fiche d'alimentation secteur devrait être branchée avec une prise mâle résistant aux intempéries et protégée en permanence par un disjoncteur de courant résiduel ou un disjoncteur différentiel ayant un taux de déclenchement ne dépassant pas 30 milliampères en 30 milli-secondes.

NE PAS faire fonctionner cette machine lors d'intempéries.

NOTE

On considère que ce manège est adapté à des endroits en plein air abrités, par exemple sous un toit, ou un abri et placé de sorte que le manège ne soit pas exposé directement à la pluie ou à la neige ou à d'autres intempéries.

2.1.6 **NE PAS** installer le manège directement contre la prise; cette dernière devrait toujours être accessible.

2.1.7 Il n'est pas convenable d'installer ou de faire marcher le manège dans un endroit où l'on pourrait utiliser des jets d'eau.

AVERTISSEMENT  **Pour des raisons de sécurité, le circuit électrique est repéré par couleurs comme indiqué ci-dessous:**

2.1.8. Pour les manèges alimentés en 220-240 volt, le circuit électrique est le suivant:

Marron : phase
Vert/Jaune : terre
Bleu : neutre.

2.1.9 Pour les manèges alimentés en 110-120 volt, le circuit électrique est le suivant:

Noir : phase
Vert : terre
Blanc : neutre.

ATTENTION  **TOUJOURS DEBRANCHER LA MACHINE DE L'ALIMENTATION SECTEUR AVANT D'EFFECTUER TOUTE REPARATION OU TOUTE VERIFICATION.**

JOLLY ROGER AMUSEMENT RIDES

OPERATION

General

3.1 A coin-operated Kiddie Ride should not be used unless a D.O.C. has been provided, indicating that the device is safe to operate (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). This regulation applies in the UK only.

JOLLY ROGER AMUSEMENT RIDES

MAINTENANCE

GENERAL

4.1 The rides do not require any periodic maintenance but, they should be checked regularly to ensure that they are in a safe condition for operation by the general public. In the unlikely event of the need to make adjustments or repairs to the machine, the following procedures are recommended.

WARNING  **ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS OR COIN MECHANISMS.**

Control unit

4.2 The control unit, which operates at 12 volts, is located at the back of the coin acceptor compartment. To remove/refit the control unit proceed as follows:

4.2.1 Remove the coin acceptor (para 4.3 or 4.4).

4.2.2 Remove the two thumb nuts located at each end of the unit.

4.2.3 The control unit may now be removed by pulling it forwards and withdrawing it through the coin acceptor aperture in the cash box assembly.

4.2.4 The mode of operation may now be altered by referring to the basic configuration, as printed on its enclosure, or by referring to the advanced configuration referred to at para 4.7.

4.2.5 Refit the unit by positioning it on the two locator bolts and gently pushing it back into place, ensuring that the plugs and sockets connect to each other.

4.2.6 Refit the two thumb nuts to ensure a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

Coin acceptor (mechanical)

4.3 To remove/refit the coin acceptor proceed as follows:

4.3.1 Remove the coin acceptor by turning the lock situated on the faceplate - the coin acceptor can now be removed from the machine and the wires pulled off the coin acceptor microswitch if desired.

NOTE

Ensure that the wires are reconnected on the correct terminals (C and NO).

4.3.2 To remove litter from the coin acceptor, slide off the spring clip on the top of the mechanism and remove side plate, then remove any litter or obstruction.

4.3.3 Refit the coin acceptor in reverse order to removal, ensuring that the pins on the main coin acceptor body locate in the dimples on the side plate.

4.3.4 Adjusting screws for coin diameter and thickness are also located on the side plate, these are factory set and should not normally require alteration.

JOLLY ROGER AMUSEMENT RIDES

Coin acceptor (electronic) MARS

4.4 To remove/refit the coin acceptor proceed as follows:

4.4.1 Remove the coin acceptor by turning the lock situated on the faceplate and disconnect the cable plug from the printed circuit board on the mechanism - the coin acceptor can now be removed from the machine.

4.4.2 To remove litter from the coin acceptor, pull the hinged side plate sideways and remove any litter or obstruction. Release hinged side plate.

4.4.3 Refit the coin acceptor in reverse order to removal, ensuring that the cable plug is reconnected to the printed circuit board on the mechanism.

WARNING NEVER REMOVE OR REPLACE AN ELECTRONIC MECHANISM WITH THE POWER SUPPLY SWITCHED ON.



Electronic coin mechanism MARS - switch positions

4.5 To inhibit coins:

With machine switched on:

4.5.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = ON.

4.5.2 Press reject button within 20 seconds of setting slide switches.

4.5.3 Insert all coins to be inhibited.

4.5.4 Press reject button within 20 seconds of inserting coins. Inhibited coins should now be rejected.

4.6 To re-enable inhibited coins:

With machine switched on:

4.6.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = OFF.

4.6.2 Press reject button within 20 seconds of setting slide switches.

4.6.3 Insert all coins to be re-enabled.

4.6.4 Press reject button within 20 seconds of inserting coins. Previously inhibited coins should now be accepted.

NOTE

Mechanism must be powered up before changing switch positions. Switch positions must be moved prior to attempting either of the above.

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Stamar "Plug n Play" Kiddie Ride Controller Credit Programming Instructions

4.7 The "Plug n Play" Timer Unit can now be programmed "on-site" for any Credit functions as shown by the following instructions. This facility is incorporated on all software from JR423 onwards

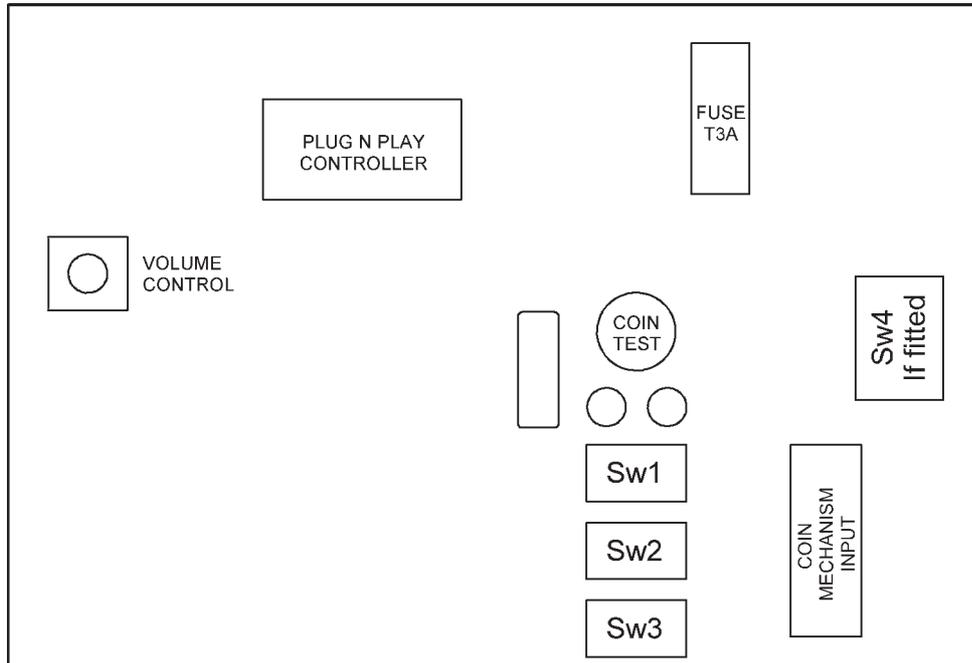


Fig 1 Programmable Control Unit

JR423

Credit Programming sequence

1. Turn Ride OFF
2. Make a note of the current SW1 settings
3. Set ALL SW1 switches to the OFF position
4. Turn the Ride ON
5. Enter coins to the value of the first Credit value
6. Press the Ride Start Switch for the number of rides required for this credit value
7. Insert coins for the next credit value required
8. Press the Ride Start Switch for the next number of rides required
9. Repeat this process until ALL credit values have been entered
10. Now PRESS and HOLD the Ride Start Switch until the voice prompt announces that the programming is completed, approximately 4-5 seconds
11. Turn the Ride OFF
12. Set ALL SW1 switches to the ON position
13. The new Credit Program is now installed
14. If at any time during the process, you wish to cancel the programming function, simply turn the Ride OFF and re-set the original SW1 positions. This will restore the previous credit program

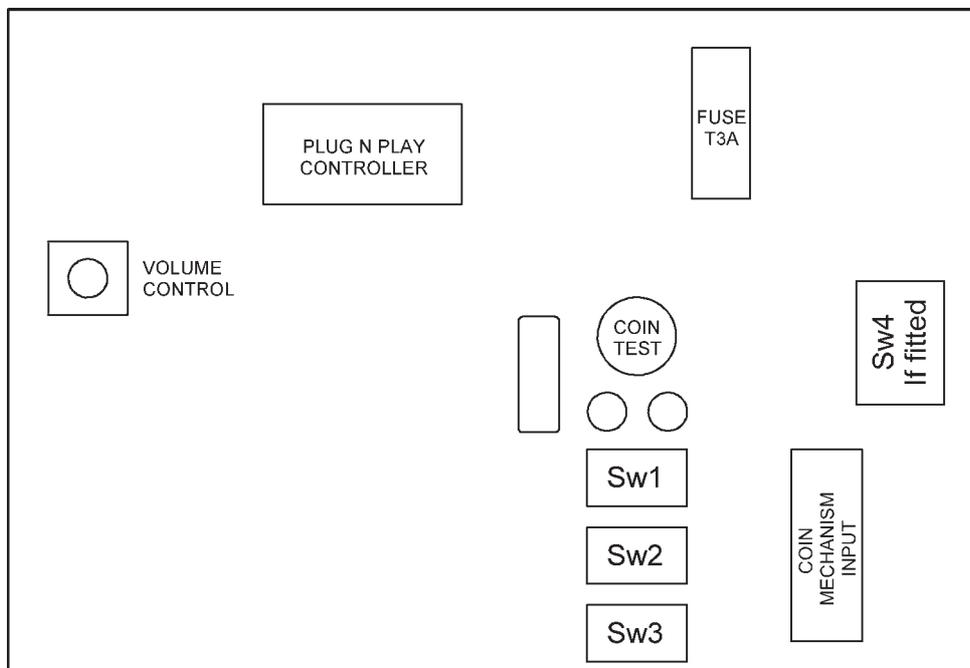
JOLLY ROGER AMUSEMENT RIDES

Stamar “Plug n Play” Kiddie Ride Controller Configuration Instructions

4.8 The new “Plug n Play” programmable control unit has four externally accessible DIL switches, SW1, SW2, SW3 and SW4, which are used to select the most popular modes of operation.

NOTES

1. It is advisable to remove the control unit from the ride as this will assist viewing the switches and referring to these instructions. The control unit can be easily “unplugged” from the ride **AFTER POWER TO THE RIDE HAS BEEN SWITCHED OFF** and the two mounting bolts have been removed.
2. All alterations to these switches should only be made after power to the ride has been turned off as this will avoid any unintentional damage to the control unit and/or the ride.



JR423

Fig 1 Programmable Control Unit

JOLLY ROGER AMUSEMENT RIDES

SW1 sets the Price of Play value or Credit Program Options.

4.9 The SW1 switch is used to set price at play value or credit program options.

NOTES

1. The setting for **either** “price of play” **or** “credits” on SW1 as shown below are selected using **SW3/S4** as shown in SW3 settings below.

i.e. SW3/S4 must be set to On if “Price of Play” options are required.

SW3/S4 must be set to Off if “Credit Programs” are required.

2. The **Price of Play** refers to multiples of the **Base Coinage** that the coin mechanism has been programmed to accept:

- UK Mechanism. The mechanism is programmed for a 10p base and gives play values from 10p (min) to £2.00 (max).
- USA Mechanism. The mechanism is programmed for a 25c base and gives play values from 25c (min) to \$3.75 (max).

SW1

S1	S2	S3	S4	Price Of Play Selected	Or	Pre - Programmed Credit Options Available
on	off	off	off	1 Coin	Or	30 P 1 RIDE 50 P 2 RIDES £1 5 RIDES
off	on	off	off	2 Coin	Or	20 P 1 RIDE 50 P 3 RIDES
on	on	off	off	3 Coin	Or	40 P 1 RIDE £1 3 RIDES
off	off	on	off	4 Coin	Or	50 P 1 RIDE £1 £2 3 RIDES 6 RIDES
on	off	on	off	5 Coin	Or	60 P 1 RIDE £1 £2 2 RIDES 5 RIDES
off	on	on	off	6 Coin	Or	10 P 1 RIDE 30 P 4 RIDES
on	on	on	off	7 Coin	Or	£1 1 RIDE £2 3 RIDES
off	off	off	on	8 Coin	Or	£2 1 RIDE
on	off	off	on	9 Coin	Or	20 P 1 RIDE 40 P 3 RIDES
off	on	off	on	10 Coin	Or	10 P 1 RIDE 20 P 3 RIDES Available on JRTDv3 software onwards 01/05/2001
on	on	off	on	11 Coin	Or	60p 1 RIDE £1 £2 2 RIDES 4 RIDES Available on JRTDv4 software onwards 01/05/2002
off	off	on	on	12 Coin	Or	70p 1 RIDE £1 £2 2 RIDES 4 RIDES
on	off	on	on	13 Coin	Or	
off	on	on	on	14 Coin	Or	Free Play For Exhibition Or Test Use
on	on	on	on	15 Coin	Or	Programmable By User
off	off	off	off	User on site Programming Mode		Available on JRTDv4 software onwards

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Ride time

4.10 SW2 is used to set the ride time. The ride time can be set from 30 seconds to 120 seconds in 15 second increments or to run for as long as the main background soundtrack.

SW2

Ride Time	S1	S2	S3	S4
30 secs	off	off	off	OFF
45 secs	on	off	off	OFF
60 secs	off	on	off	OFF
75 secs	on	on	off	OFF
90 secs	off	off	on	OFF
105 secs	on	off	on	OFF
120 secs	off	on	on	OFF
Ride time set to soundtrack	on	on	on	OFF

NOTE

S4 is used for a diagnostic test sequence during manufacture and under normal operating conditions is not used and must be set to the **OFF** position.

Additional ride features

4.11 SW3 selects additional ride features.

SW3

	S1	S2	S3	S4
Prompt phrases On/Off	On/Off	x	x	x
Attract sounds On/Off	x	On/Off	x	x
Count no. of Rides	x	x	On	x
Count No. of Coins (coin mech. Base coin value)	x	x	Off	x
Select <i>Price of Play</i> options	x	x	x	On
Select <i>Credit Program</i> options	x	x	x	Off

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Ride flasher options

4.12 SW4 selects the ride flasher options (if fitted).

SW4

	S1	S2	S3	S4
1 Channel flasher output	Off	Off	x	OFF
2 Channel running flasher outputs	On	Off	x	OFF
3 Channel running flasher outputs	Off	On	x	OFF
4 Channel running flasher outputs	On	On	x	OFF
Standard flasher speed	x	x	Off	OFF
Fast flasher speed	x	x	On	OFF

NOTE

S4 is used to select “Program Mode” and under normal operating conditions is not to be used and must be set to the **OFF** position. “Program Mode” should only be used by experienced operators familiar with the extended programming sequence, or under direct instruction from Jolly Roger (Amusement Rides) Ltd., or Stamar Electronics.

Volume adjustment

4.13 Access to the volume control knob is gained by removing the coin mechanism (para 4.3 or 4.4) and is adjusted by turning the control knob on the timer which is located on the back wall of the compartment.

Access to other components

4.14 Access to the Power supply unit (PSU), main fuses and other components on the chassis is gained by removing the bottom cover (para 4.22).

Drive belt adjustment

4.15 The “final drive” belt is adjusted by loosening the four bolts holding the camshaft bearings and sliding the whole assembly to adjust.

NOTE

This belt should run tight.

4.16 The “countershaft” belt is adjusted by loosening the four bolts holding the motor and sliding the motor to adjust.

NOTE

This belt should run quite loose.

4.17 Both belts are correctly tensioned during manufacture and should not require adjustment.

Bearings

4.18 All bearings are greased for life and should normally not be re-packed with grease. However, in certain circumstances the bearings may require lubrication. If this situation arises, apply grease sparingly.

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Fuses

4.19 Fuses are located in the side of the PSU. Never replace fuses with a higher value than recommended.

Body and other mouldings

4.20 Clean with damp cloth rinsed out in soapy water, do not hose down or flood the machine. Alternatively, a proprietary household furniture cleaner may be used.

Removal of body shell

NOTE

Refer to Figure 7 in Spare Parts section for item numbers.

4.21 To remove the body shell

4.21.1 Remove the four bolts, nuts (Fig 7 item 5) and washers (Fig 7 item 4) situated under the body shell, which attach the body to the chassis.

4.21.2 Disconnect the electrical wiring underneath the body shell by undoing the plug and socket connector.

4.21.3 Remove body shell.

Removal of bottom cover

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

4.22 To remove the bottom cover proceed as follows

CAUTION



Care is to be taken when carrying out step 4.22.1

4.22.1 Turn ride on to its side.

4.22.2 Remove the four hexagon retaining screws that secure the bottom cover.

4.22.3 Refit in reverse order to the removal.

Daily checks

4.23 A check of each coin-operated Kiddie Ride should, whenever reasonably practical, be carried out each day before it is made available for the public. The following checks are recommended: -

4.23.1 Check that the mains plug is undamaged and securely attached to the mains cable.

4.23.2 Check that the mains cable is undamaged.

4.23.3 Check that there are no broken or damaged parts of the ride that may cause injury.

4.23.4 Check that all guards are in place thus preventing any access to the mechanism.

4.23.5 Apply pressure to the ride to ensure that it is firmly secured to the base stem and check that all advisory literature is in place.

JOLLY ROGER AMUSEMENT RIDES

4.23.6 Ensure the area around the ride is free from obstruction and that persons passing by are not in any danger.

4.23.7 The ride should be kept clean and free from any customised additions unless approved by the manufacturer.

4.24 If as a result of the above visual checks any doubt arises, then the company, supplier or person responsible for the ride should be notified immediately.

Motor

The motor is fitted with a manual re-set thermal overload cut-out device in accordance with UL requirements.

4.25 When the motor does not operate, check if the thermal overload cut-out device has operated and re-set as follows:

CAUTION When the thermal overload cut-out device has operated, investigate and correct the fault before the ride is returned to use.



4.25.1 Disconnect the machine from the electrical power supply

4.25.2 Remove the bottom cover from the machine (para 4.22).

4.24.3 Re-set the thermal overload cut-out button on the motor backplate.

4.25.4 Refit the bottom cover to the machine (para 4.22).

4.25.5 Connect the electrical power and test the ride.

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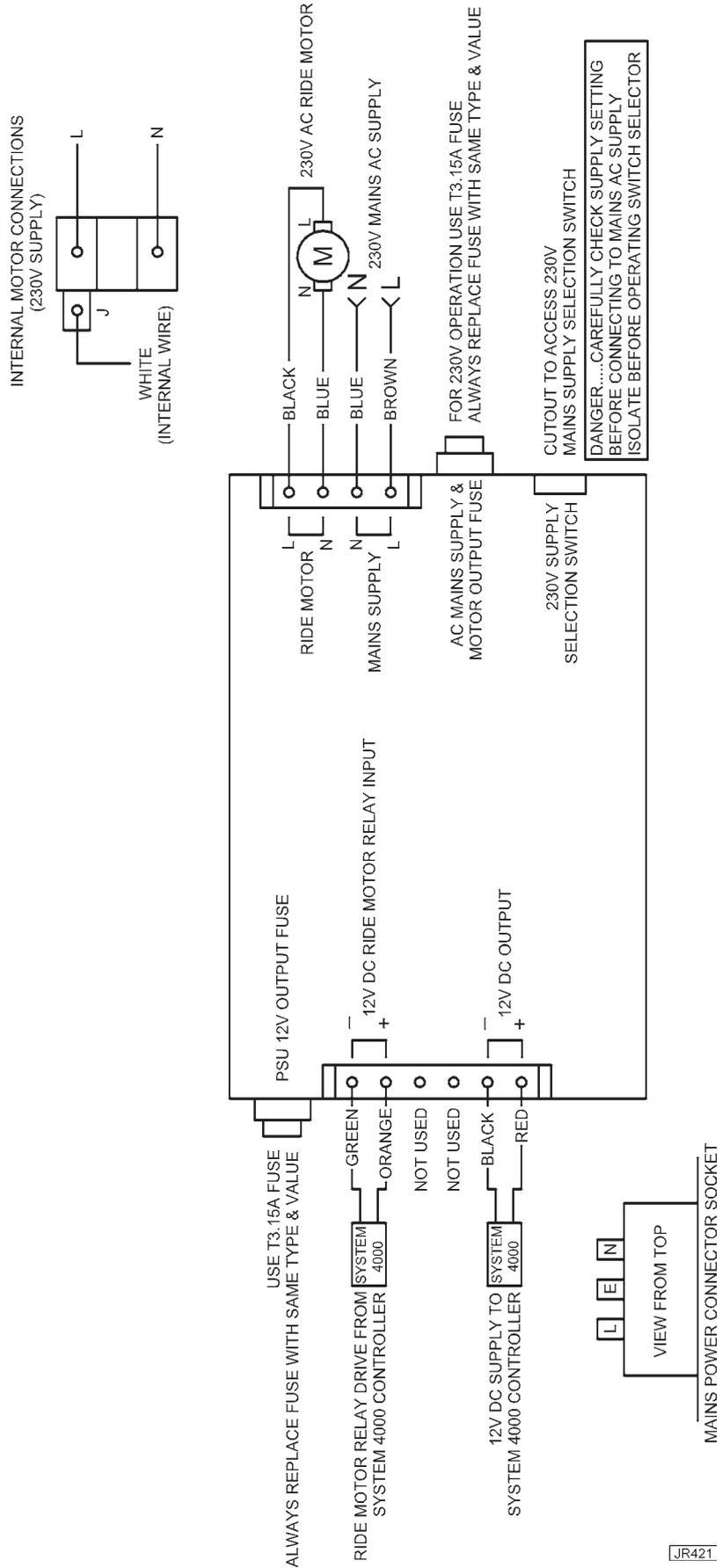


Fig 2 Wiring diagram (rides with 230 Volts supply) - (System 4001)

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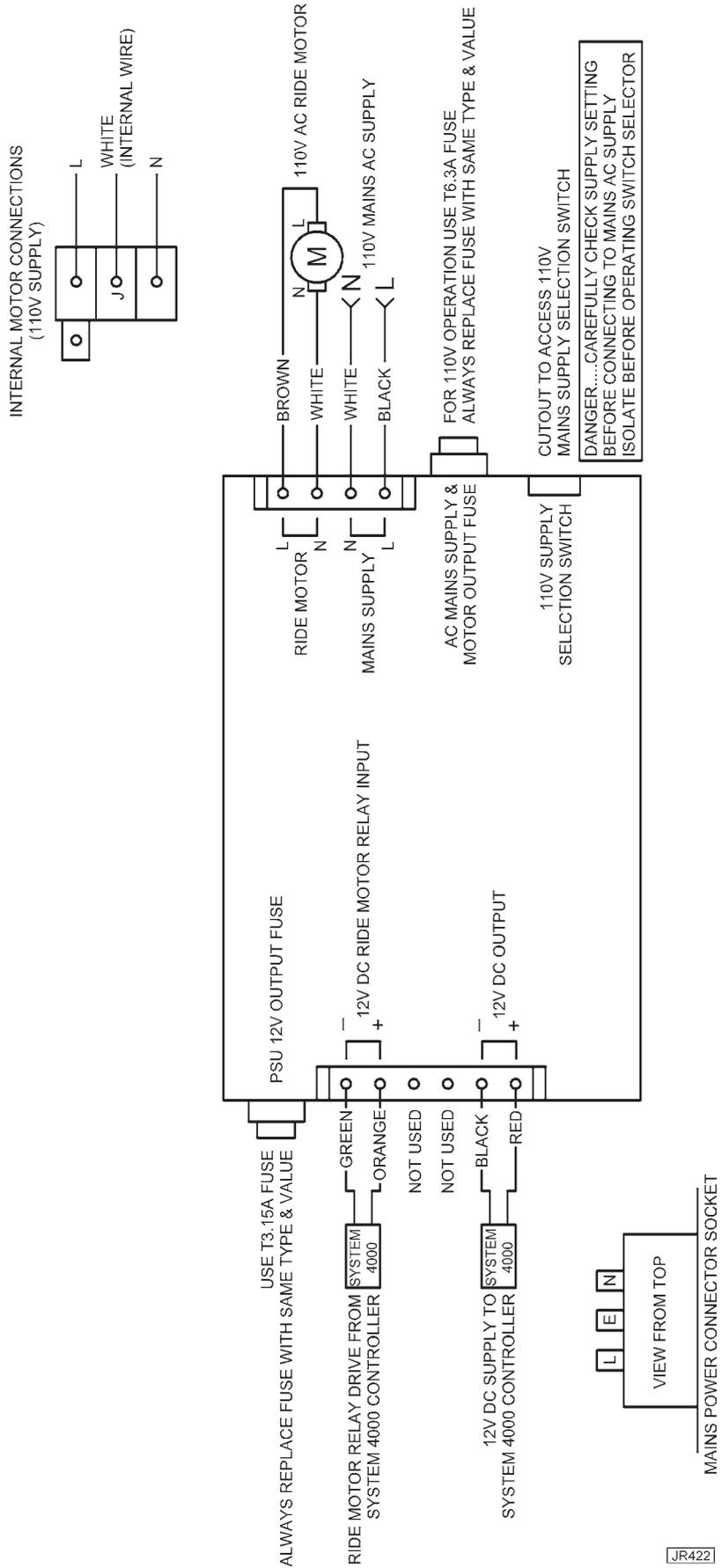
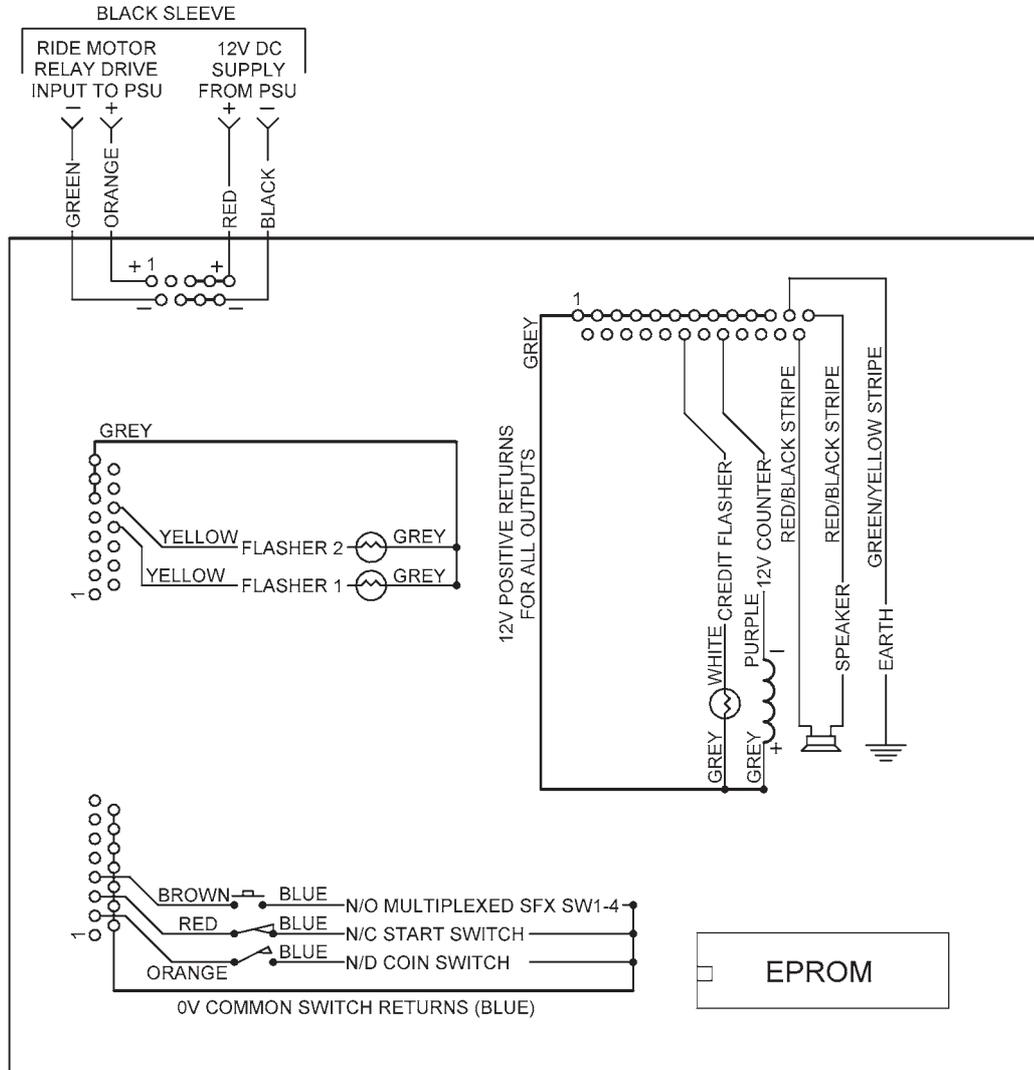


Fig 3 Wiring diagram (rides with the 110 Volts supply) - (System 4001)

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Fig 4 Wiring diagram cash box - Base to body loom connector (System 4001)

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SPARE PARTS

NOTE

For Video Ride Equipment - Spare Parts, refer to the Video Ride Equipment Handbook.

1. The machine serial number (if given) on the reference plate must always be quoted.
2. Quote the full part number and description as set out in the list.
3. State precisely how parts are to be despatched.

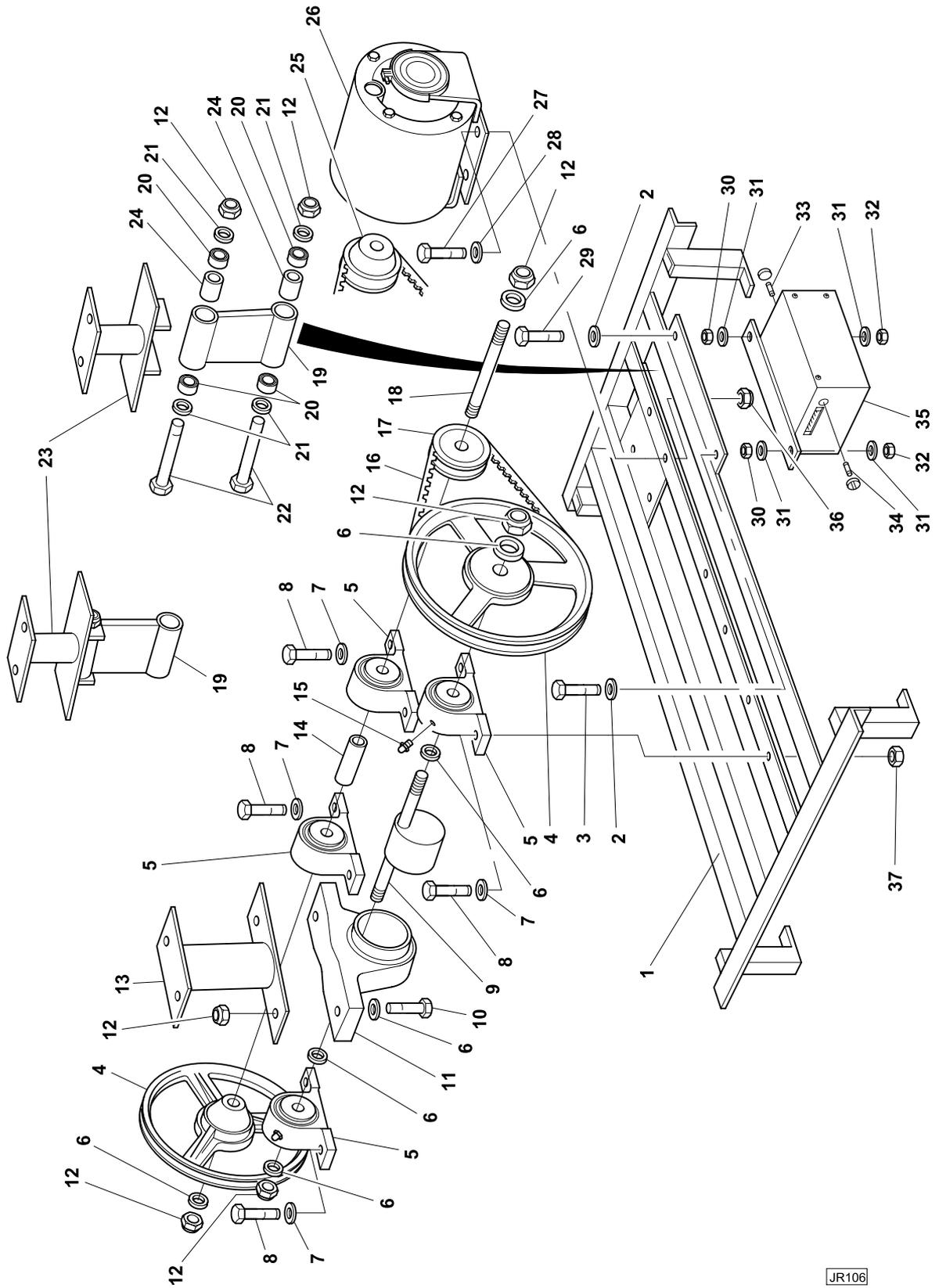
Home: By post, carrier or road transport.

Overseas: By sea freight, airmail or air freight.
4. Keep orders separate from other correspondence.
5. Foreign orders must be sent through our accredited agent, an established London House, or accompanied by a remittance.
6. Replacement parts which are not of genuine Jolly Roger supply, cannot be relied upon to be to the correct specification, material or workmanship. Jolly Roger therefore cannot be expected to extend their Warranty to Kiddies Rides which have been fitted with parts which Jolly Roger has not supplied.
7. Jolly Roger reserve the right to make changes or improvements in the construction or specification of their products at any time.

Conditions of Business

1. Particulars given in this list are subject to withdrawal and alteration without notice.
2. All quotations are subject to confirmation before acceptance of order.
3. All goods are supplied on the conditions that Jolly Roger shall not be liable for any direct or consequential damage arising from delay in delivery or from defective material, other than is covered by our usual form of guarantee.
4. Whilst every effort is made to ensure the accuracy of the particulars contained in this book, modifications and specification changes to the Kiddies Ride are on-going. These may affect the information specified. No responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of information in this book not being in accord with modifications or Kiddies Ride specification changes which are subsequent to the date of this book. Also, no responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of any misinterpretation of the information specified in this parts book.

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JR106

Fig 5 Chassis assembly

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Parts list - Chassis assembly

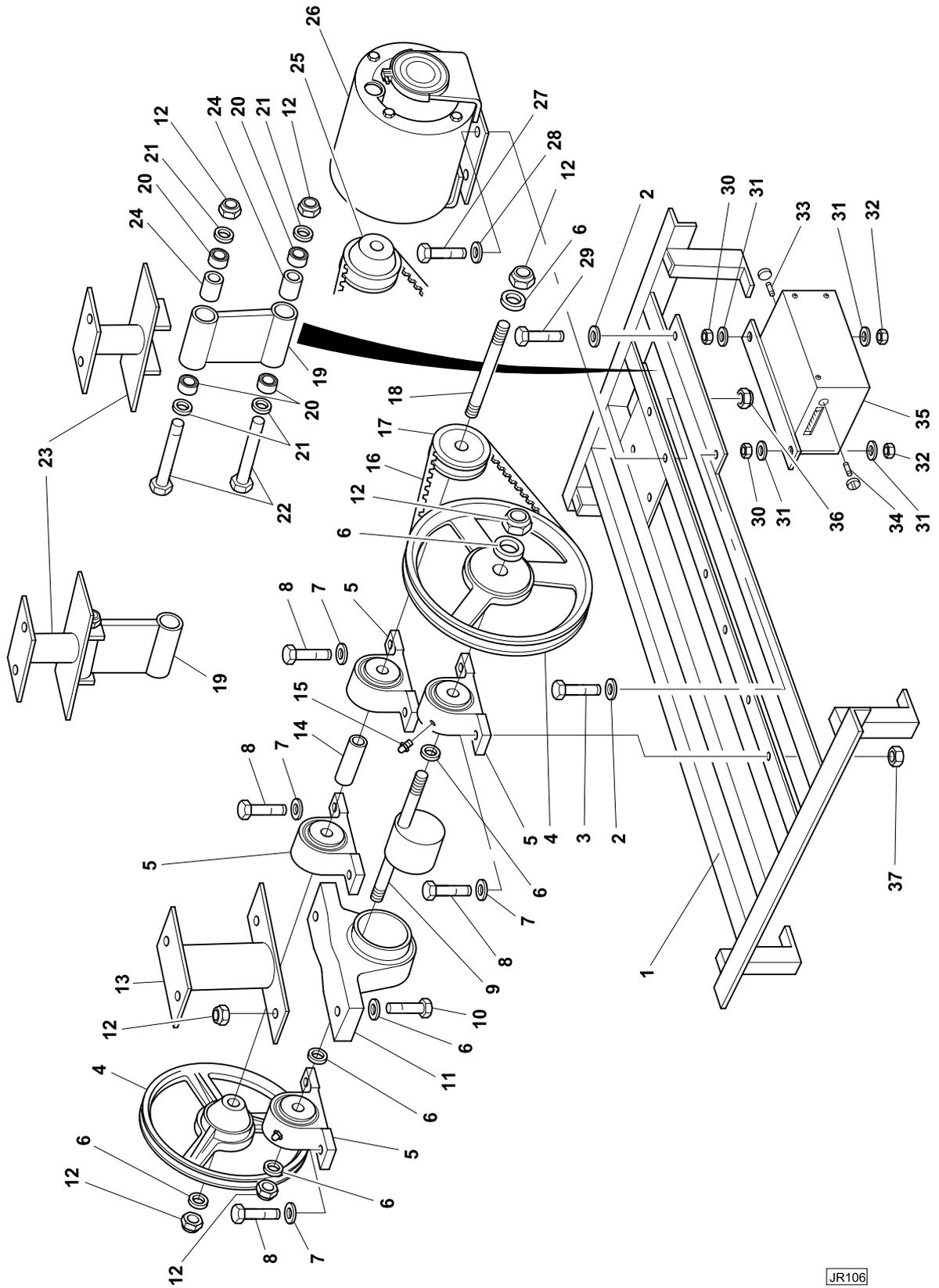
† Item not illustrated

Item No	Part No	Description	QTY
-	3000011	Chassis assembly, comprising:	-
1	3100002	Chassis	1
2	7600000	Washer, M6	2
3	7000203	Bolt, cap head, hexagon socket, M6 x 25	1
4	8000000	Pulley, 224 SPA x 12 mm x 1A	2
5	6000000	Housing, bearing assembly, NP12	4
6	7600300	Washer, M12	10
7	7600200	Washer, M10	8
8	7000604	Bolt, M10 x 35	8
9	8200000	Camshaft	1
10	7000707	Bolt, M12 x 50	2
11	6000001	Housing, bearing assembly, SL40	1
12	7700300	Nut, M12, Nyloc	6
13	3200002	Arm, top, front	1
14	9000003	Spacer, 89 mm long	1
15	9100000	Nipple, grease	5
16	8100000	Belt, vee, A 33 (A 870)	2
17	8000002	Pulley, 43 SPA x 12 mm x 1A	1
18	8210000	Countershaft	1
19	3200001	Arm, pivot	2
20	6100000	Bearing, 6001 ZZ	8
21	9050000	Shim, M12	8
22	7000900	Bolt, precision, M12 x 110	4
23	3200003	Arm, top, rear	2
24	9000002	Spacer, 60 mm long	4
25	8000001	Pulley, 43 SPA x 1/2 in x 1A	1

Cont.

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES



JR106

Fig 5 Chassis assembly (Continued)

JOLLY ROGER AMUSEMENT RIDES

Parts list - Chassis assembly

† Item not illustrated

Item No	Part No	Description	QTY
Cont.			
-	3000011	Chassis assembly, comprising:	-
26	2000001	Motor, 220/240 volts 50 Hz	1
-	2000000	Motor, 110 volts 60 Hz (alternative)	1
27	7000503	Bolt, M8 x 25	4
28	7600100	Washer, M8	4
29	7000204	Bolt, cap head, hexagon socket, M6 x 30	8
30	7700001	Nut, M6	2
31	7600001	Washer, M6 x 25 dia	6
32	7700000	Nut, M6, nyloc	2
33	2400006	Fuse, output, 12 volt T5A	1
34	2400004	Fuse main, T3.15A	1
-	2400007	Fuse main, T6.3A (alternative for 110-120V 60Hz)	1
35	2100011	Power supply unit	1
36	7700100	Nut, M8, Nyloc	4
37	7700200	Nut, M10, Nyloc	8
-	† 5120001	Castor, 2 inch	2
-	† 1110047	Bottom cover moulding	1
-	† 7000503	Bolt, hexagon head M8 x 25 c/w washers and nut	4
-	† 2200003	Mains lead	1

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES

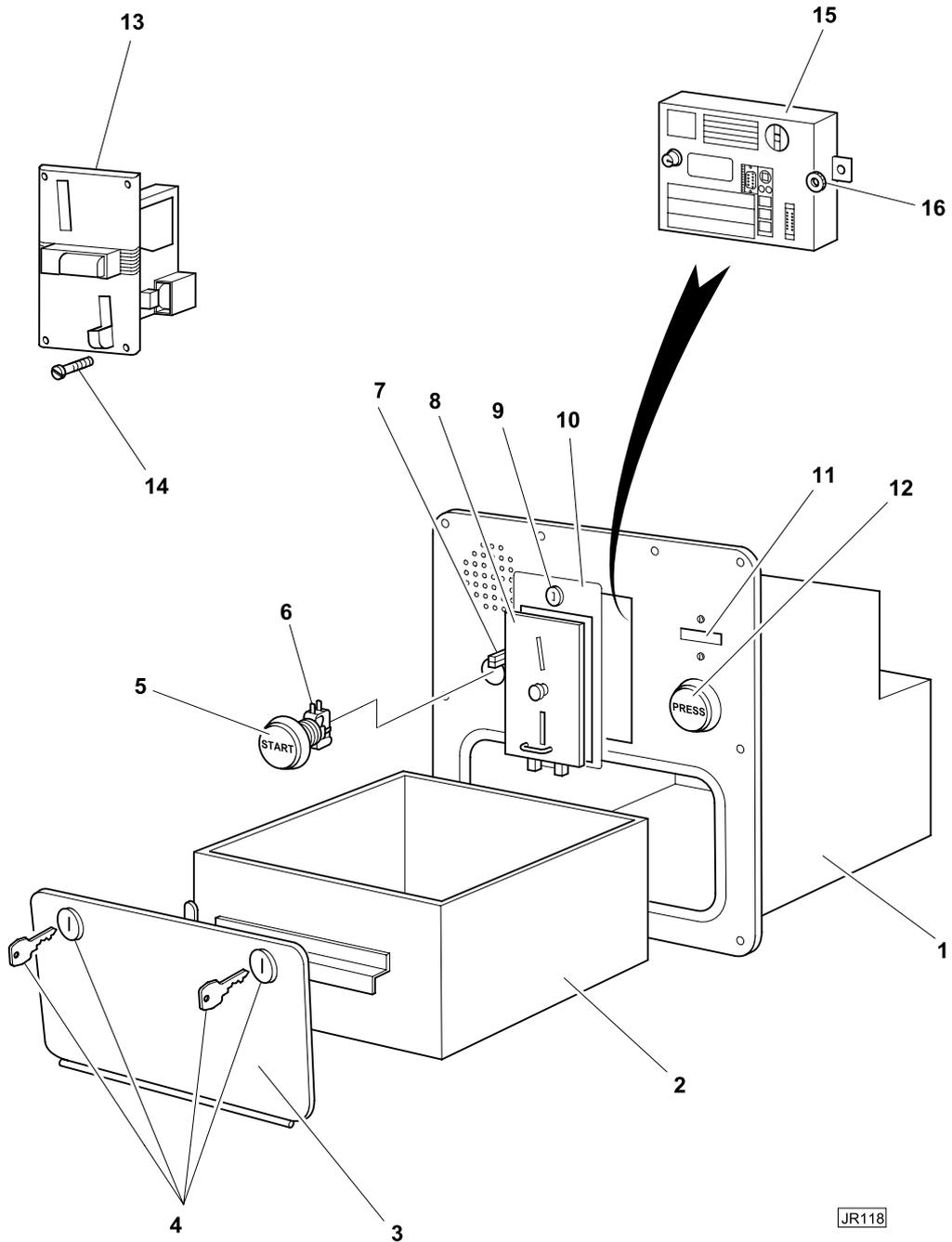


Fig 6 Coin collection assembly - System 4001 (Standard or Video version)

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Parts list - Coin collection assembly 4001 (standard)

† Item not illustrated

Item No	Part No	Description	QTY
-	4000006	Coin collection assembly comprising:	-
1	4100020	Housing	1
2	4100001	Cash box	1
3	4100021	Door	1
4	9300006	Lock complete with keys	2
5	2520008	Switch, pushbutton, round, START, green	1
-	† 2920008	Bulb, 2.2 watt, wedge	1
6	2520010	Microswitch	1
7	2500000	Microswitch, coin acceptor	1
8	4200008	Coin acceptor	1
9	9300004	Lock complete with keys	1
10	4200009	Plate, coin acceptor	1
11	2100009	Counter, coin impulse (fitted internally)	1
12	2520009	Switch, pushbutton, round,PRESS, red	1
-	† 2920008	Bulb, 2.2 watt, wedge	1
-	† 2520010	Microswitch	1
13	4200005	Coin acceptor, electronic assembly (optional) comprising:	1
-	† 4200006	Mechanism, electronic coin acceptor	1
-	† 4200007	Wiring loom, electronic coin acceptor	1
14	7200000	Screw, cap head, M4 x 20	4
15	2100012	Timer, System 4001	1
16	2100013	Nut, timer	2
-	† 2600000	Loudspeaker	1

Note: Refer to manufacturer when ordering items from this list.

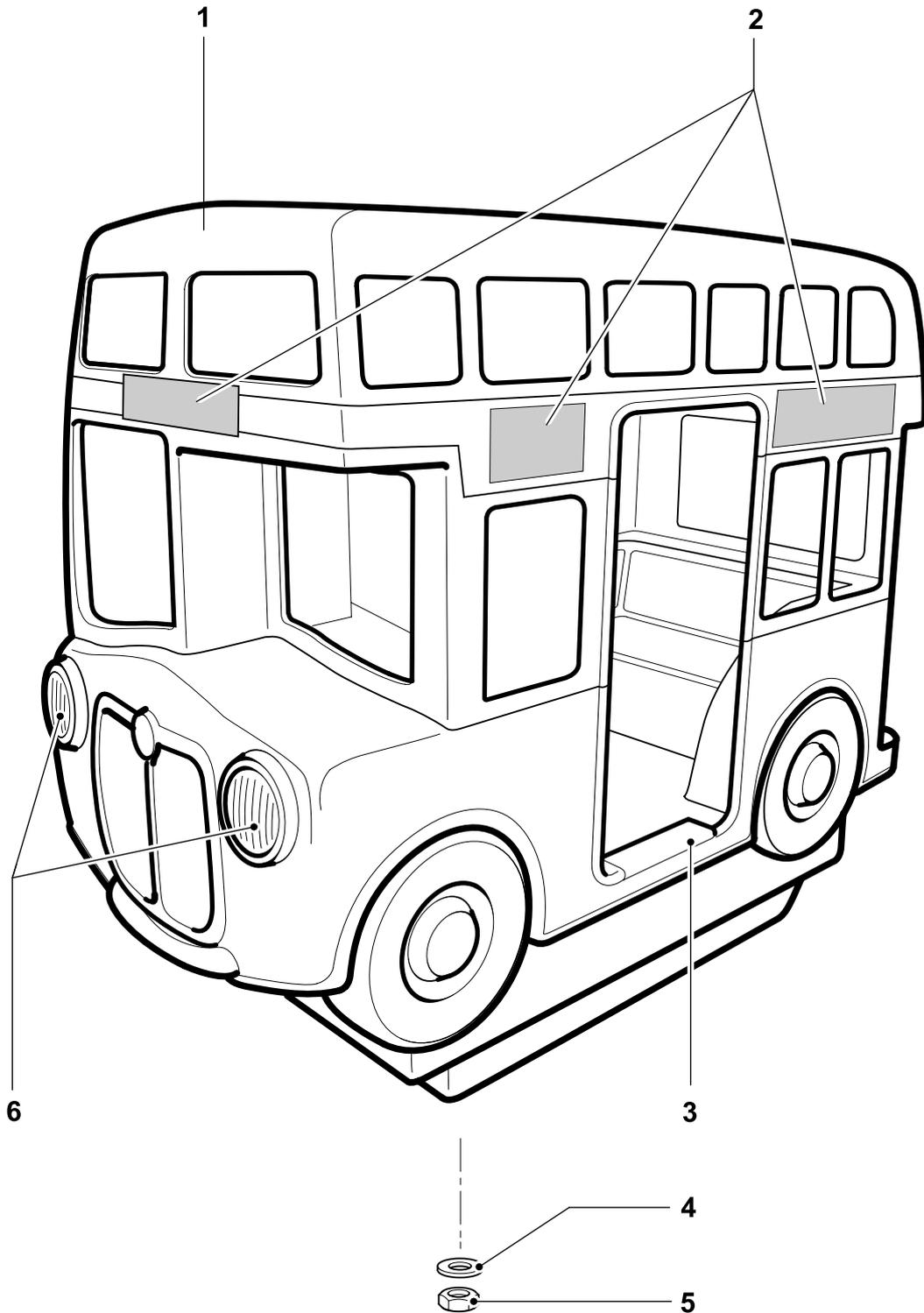


Fig 7 Body Shell Assembly

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Parts list - Body Shell Assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	1080070	Body shell assembly - City Tour Bus, comprising:	
1	1100070	Moulding, body	1
2	1700070	Decal set	1
3	1300074	Foot tread	1
4	7600200	Washer, M10	4
5	7700200	Nut, M19, Nyloc	4
6	EE030	Headlamp, complete assembly	2
-	† EE002	Lens, 65c	2
-	† EE0013	Bulb, single contact, 12V 5W	2
-	† 5300001	Steering wheel, small	1
-	† 3600005	Bracket, steering wheel (modified)	1
-	† 7000715	Bolt, M12 x 90	1
-	† 7700302	Nut, M12 special	1
-	1080071	Body shell assembly - Fun Bus, comprising:	
1	1100071	Moulding, body	1
2	1700071	Decal set	1
3	1300074	Foot tread	1
4	7600200	Washer, M10	4
5	7700200	Nut, M19, Nyloc	4
6	EE030	Headlamp, complete assembly	2
-	† EE002	Lens, 65c	2
-	† EE0013	Bulb, single contact, 12V 5W	2
-	† 5300001	Steering wheel, small	1
-	† 3600005	Bracket, steering wheel (modified)	1
-	† 7000715	Bolt, M12 x 90	1
-	† 7700302	Nut, M12 special	1

Note: For Video ride equipment refer to Video Ride Equipment Handbook

Note: Refer to manufacturer when ordering items from this list

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We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with the BACTA Industry Standard, the HSE Fairgrounds and Amusement Parks A Code of Safe practice, the Health and Safety at Work Act 1974. (All applicable in the United Kingdom).

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with United States Standard ANSI/UL22 and Canadian C.S.A. Standard C22.2 No. 68.92 and in particular have carried out tests for Earth bonding and dielectric strength. The rides have also been tested and comply with requirements of FCC Part 15, Class A.

THIS CERTIFICATE DOES NOT EXONERATE THE OPERATOR FROM REGULAR CHECKING AND MAINTENANCE OF THE MACHINE TO WHICH IT APPLIES.

Jolly Roger (Amusement Rides) Ltd.
Heath Road,
Skegness Industrial Estate,
Skegness,
Lincolnshire,
PE25 3SU,
England.

Telephone (01754) 896800 Telefax (01754) 610066

E-mail: sales@jolly-roger.co.uk

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JOLLY ROGER AMUSEMENT RIDES

Jolly Roger (Amusement Rides) Ltd.

Heath Road,
Skegness Industrial Estate,
Skegness,
Lincolnshire,
PE25 3SU
England.

Telephone: + 44 (0)1754 896800
Fax: + 44 (0)1754 610066
E-mail: sales@jolly-roger.co.uk

EC DECLARATION OF CONFORMITY

(Revised 1st January 1997 and 1st September 2002)

Manufacturer: As above

Details of Electrical Equipment

Type No.: 2

Description: Coin-operated Childrens Ride

Directives this equipment complies with: Electrical Equipment (Safety) Regulations 1994, SI No3260 (Regulation 5. (1)).
Electromagnetic Compatability Directive 89/336/EEC
Low voltage directive 72/23/EEC (article 2) as amended by 93/68/EEC.

Harmonised standards applied in order to verify compliance with Directives: EN 50081-1:1992
EN 50082-1:1992
EN 60335-1:1994 inc. AMDS A11, A1, A12, A13, A14, A2, A15 and A16 - Safety of Household and Similar Electrical Appliance.
EN 55014-1: 1993 EN61000-3-2:1995 + A1: 1998 + A2: 1998
EN 61000-3-3: 1995 EN55014-2: 1997 Category 2
EN 60335-2-82: 2000 - Particular Requirements for Service Machines and Amusement Machines

Test Reported Issued by:	Notified / Competent Body	Report No.
D.J.Taylor	Intertek Testing Services	EM01005623 (A)
J.A.Bearpark	Inchcape Testing Services (U.K.) Ltd.	EM207110 Part A
T.Heathcote	Rowland Laboratories Ltd.	20584
A.Cuthbert	Intertek Testing Service	02007267/A

Year in which CE mark was affixed: 1996/7

Authorised Signatory:

Manufacturer

Date of Issue



1st November 2006

Name: Peter North

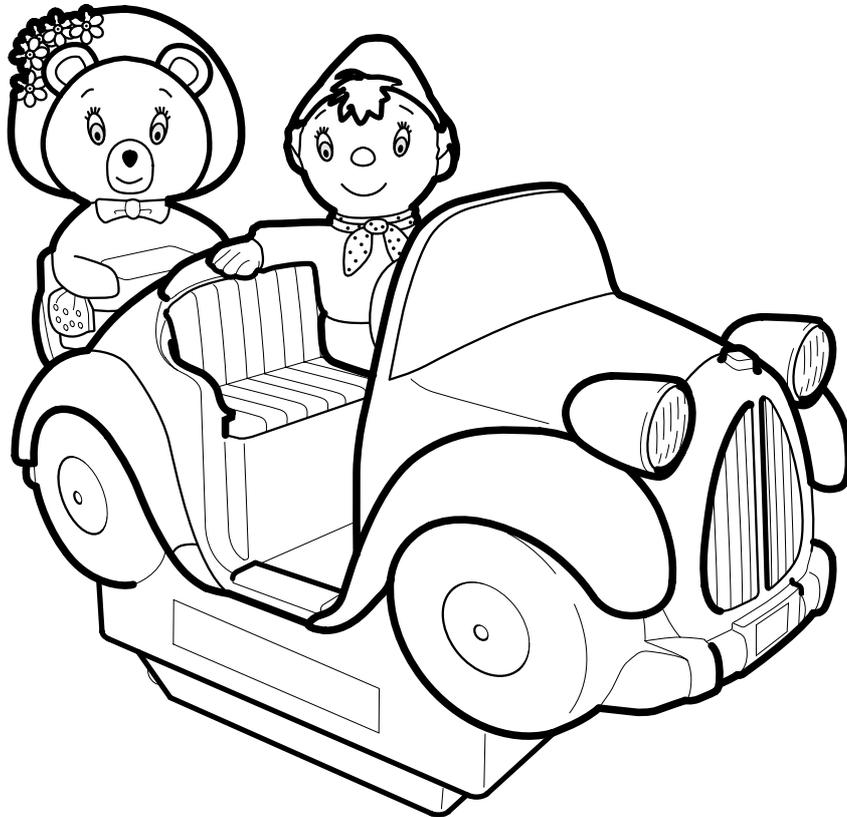
Place of Issue

Position: Factory Manager

Skegness, England

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NODDY with Video Option HANDBOOK

(For Video Ride Equipment Refer to:
Video Ride Equipment Handbook)



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JOLLY ROGER (Amusement Rides) Ltd reserves the right to make changes, for the purpose of product improvement, at any time.

Jolly Roger (Amusement Rides) Ltd. Heath Road, Skegness Industrial Estate, Skegness, Lincolnshire, PE25 3SU, England.

Telephone: + 44 (0) 1754 896800

Fax: + 44 (0) 1754 610066

E-mail: sales@jolly-roger.co.uk

This handbook was prepared for Jolly Roger (Amusement Rides) Ltd
by
Lionbridge (UK) Ltd.,
Cophall Terrace,
Coventry,
United Kingdom
CV1 2FP

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

INTRODUCTION

Thank you for purchasing your new Kiddie Ride from Jolly Roger (Amusement Rides) Limited and we trust it will give many years of trouble-free profitable service.

Whilst this booklet has been produced primarily with our United Kingdom and European customers in mind, it will certainly be of benefit to other users worldwide.

Reference is made to the United Kingdom Health and Safety at Work Act - Code of Safe Practice at Fairs (which specifically includes coin operated Children's Rides), the Industry Standard for the construction, operation and use of coin-operated Children's Rides, and the EC Declaration of Conformity (CE Mark).

The Rides comply with United Kingdom and European Community regulations, and are ETL listed to comply with US Standard UL 22 covering Amusement Games and Canadian standard C22.2 No 68 covering motor operated appliances.

The rides are designed for intermittent use and the maximum anticipated duty cycle is 30 operations per hour.

The guidance given in this publication is relevant to the safe operation of children's rides wherever they may be operated.

WARNINGS & CAUTIONS

The international safety sign is used throughout this Handbook where specific safety precautions are detailed. The sign is positioned so that the precautions are readily identifiable.

WARNING



INTERNATIONAL SAFETY SIGN

WARNINGS

Warnings call attention to instructions, which must be followed precisely to avoid injury or death.

CAUTIONS

Cautions call attention to instructions, which must be followed precisely to avoid damaging the equipment.

JOLLY ROGER AMUSEMENT RIDES

HEALTH AND SAFETY - CODE OF SAFE PRACTICE AT FAIRS - INDUSTRY STANDARDS

(UNITED KINGDOM)

1.1 Our equipment has been manufactured to the highest standard of construction and safety in order to conform to the H.S.E. Fairground and Amusement Parks, A Code of Safe Practice and the U.K. Health and Safety at Work Act 1974.

1.2 This machine must be earthed. (CONNECTED TO GROUND)

1.3 If a 13 Amp BS1363 plug is fitted then a 5 amp fuse should be fitted. (UK only)

1.4 If the ride is to be situated outdoors, the socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a residual current circuit breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.

1.5 In addition to our manufacturer's test and the daily checks every ride shall be subject to a Thorough Examination by an appointed person once every period of 14 months. (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). The regulation applies in the UK only, however it is sound operating practice wherever a ride is operated.

1.6 The appointed person need not be independent, but should be at least 21 years old, registered under the Amusement Device Inspection Procedures Scheme (ADIPS) and be competent by such qualifications, knowledge, experience and supporting services to be able to make an assessment of the safety of the ride, including any associated equipment/parts e.g. electrical, hydraulic or pneumatic.

1.7 The appointed person should have the technical competence to recognise the significance of the effects of stresses, loadings and fatigue and also be competent to determine the extent of permissible wear.

1.8 The Thorough Examination is to be carried out by a registered body in accordance with the regulations laid down in the Health and Safety at Work Act 1974 (Fairgrounds and Amusements Parks-Guidance on Safe Practice, HSG 175). A Report of Inspection is to be completed after the Thorough Examination. (Applicable in UK only).

1.9 On completion of the Thorough Examination, a Declaration of Operational Compliance (DOC) certificate is to be issued which must be retained for a period of ten years and be available for inspection by the Health and Safety Inspectorate and/or the appropriate officer of the Environmental Health Department of a Local authority. (Applicable in UK only).

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



1.10 If considered necessary, further protection to the power supply may be afforded by conduit, trunking, or rubber protector strip with tapered edges and non-slip ribbed bases. Care is needed to avoid a tripping hazard.

1.11 The Kiddie Rides should be so sited that the length of cable between the ride and socket outlet is a minimum. For floor mounted socket outlets, the ride may be positioned so that there is virtually no exposed cable.

1.12 Galvanised steel braided armoured cable and flexible copper braided cable cannot be satisfactorily terminated in a 13 amp standard (BS 1363) plug. Such cables can be terminated in industrial type plugs BS 196 or BS 4343 or equivalent, but these require the special suitable sockets. (Applicable in UK only).

JOLLY ROGER AMUSEMENT RIDES

INSTALLATION

Siting

WARNING



IT IS NOT RECOMMENDED THAT THE RIDE BE SITED ON A PLINTH, PLATFORM OR ANY FORM OF MATTING. DOING THIS WILL INCREASE THE HEIGHT OF THE RIDE FROM THE GROUND AND MAY CAUSE INJURY FROM FALLING OR TRIPPING.

2.1 A common sense approach should be adopted when siting Kiddie Rides. The following items are an indication, but not exhaustive:

2.1.1 Position the Ride on a level surface.

2.1.2 Ensure there is adequate clearance all round the Ride to minimise the risk of injury to the passengers or public. If possible, a 1 metre clearance around the ride is recommended.

2.1.3 **DO NOT** obstruct emergency exits.

2.1.4 **DO NOT** obstruct fire appliances, hydrants etc.

2.1.5 If sited outside:

The socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a Residual Current Circuit Breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.

DO NOT operate in adverse weather conditions.

NOTE

This ride is considered suitable for outdoor protected locations i.e. under a canopy, or cover and not in a position where the ride could be exposed to direct rain or snow, or other adverse weather conditions.

2.1.6 **DO NOT** locate the ride directly against the plug, which should remain accessible at all times

2.1.7 The ride is not suitable for installation or operation in an area where a water jet could be used

CAUTION



For safety reasons the electrical wiring is colour coded as follows:

2.1.8 For rides with 220-240 volt electrical supply, the wiring colour codes are:

Brown - live
Green/Yellow-earth
Blue – neutral.

2.1.9 For rides with 110-120 volt electrical supply, the wiring colour codes are:

Black - live
Green - earth
White – neutral.

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

INSTALLATION

Site d'installation

ATTENTION  **IL N'EST PAS RECOMMANDE DE CONDUIRE SUR UNE PENTE, RAMPE OU AUTRE AFIN DE NE PAS ELEVER LA HAUTEUR DU VEHICULE ET NE PAS CAUSER DE BLESSURES EN RAISON DE RENVERSEMENT OU D'ACCROCHAGE.**

2.1 Faites appel à votre bon sens quand vous choisissez le site d'installation des manèges pour enfants. Les points suivants sont donnés à titre indicatif mais ne sont pas exhaustifs:

2.1.1 Placer le manège sur une surface nivelée.

2.1.2 S'assurer qu'il y a suffisamment d'espace tout autour du manège pour minimiser le risque de blessures pouvant être causées aux passagers ou au public. Si c'est possible, il est conseillé de laisser 1 mètre d'espace tout autour du manège.

2.1.3 **NE PAS** obstruer les sorties de secours.

2.1.4 **NE PAS** obstruer les bouches d'incendie et la voie de passage des voitures de pompiers.

2.1.5 Si le manège est situé à l'extérieur:

La fiche d'alimentation secteur devrait être branchée avec une prise mâle résistant aux intempéries et protégée en permanence par un disjoncteur de courant résiduel ou un disjoncteur différentiel ayant un taux de déclenchement ne dépassant pas 30 milliampères en 30 milli-secondes.

NE PAS faire fonctionner cette machine lors d'intempéries.

NOTE

On considère que ce manège est adapté à des endroits en plein air abrités, par exemple sous un toit, ou un abri et placé de sorte que le manège ne soit pas exposé directement à la pluie ou à la neige ou à d'autres intempéries.

2.1.6 **NE PAS** installer le manège directement contre la prise; cette dernière devrait toujours être accessible.

2.1.7 Il n'est pas convenable d'installer ou de faire marcher le manège dans un endroit où l'on pourrait utiliser des jets d'eau.

AVERTISSEMENT  **Pour des raisons de sécurité, le circuit électrique est repéré par couleurs comme indiqué ci-dessous:**

2.1.8. Pour les manèges alimentés en 220-240 volt, le circuit électrique est le suivant:

Marron : phase
Vert/Jaune : terre
Bleu : neutre.

2.1.9 Pour les manèges alimentés en 110-120 volt, le circuit électrique est le suivant:

Noir : phase
Vert : terre
Blanc : neutre.

ATTENTION  **TOUJOURS DEBRANCHER LA MACHINE DE L'ALIMENTATION SECTEUR AVANT D'EFFECTUER TOUTE REPARATION OU TOUTE VERIFICATION.**

JOLLY ROGER AMUSEMENT RIDES

OPERATION

General

3.1 A coin-operated Kiddie Ride should not be used unless a D.O.C. has been provided, indicating that the device is safe to operate (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). This regulation applies in the UK only.

JOLLY ROGER AMUSEMENT RIDES

MAINTENANCE

GENERAL

4.1 The rides do not require any periodic maintenance but, they should be checked regularly to ensure that they are in a safe condition for operation by the general public. In the unlikely event of the need to make adjustments or repairs to the machine, the following procedures are recommended.

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS OR COIN MECHANISMS.



Control unit

4.2 The control unit, which operates at 12 volts, is located at the back of the coin acceptor compartment. To remove/refit the control unit proceed as follows:

4.2.1 Remove the coin acceptor (para 4.3 or 4.4).

4.2.2 Remove the two thumb nuts located at each end of the unit.

4.2.3 The control unit may now be removed by pulling it forwards and withdrawing it through the coin acceptor aperture in the cash box assembly.

4.2.4 The mode of operation may now be altered by referring to the basic configuration, as printed on its enclosure, or by referring to the advanced configuration referred to at para 4.7.

4.2.5 Refit the unit by positioning it on the two locator bolts and gently pushing it back into place, ensuring that the plugs and sockets connect to each other.

4.2.6 Refit the two thumb nuts to ensure a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

Coin acceptor (mechanical)

4.3 To remove/refit the coin acceptor proceed as follows:

4.3.1 Remove the coin acceptor by turning the lock situated on the faceplate - the coin acceptor can now be removed from the machine and the wires pulled off the coin acceptor microswitch if desired.

NOTE

Ensure that the wires are reconnected on the correct terminals (C and NO).

4.3.2 To remove litter from the coin acceptor, slide off the spring clip on the top of the mechanism and remove side plate, then remove any litter or obstruction.

4.3.3 Refit the coin acceptor in reverse order to removal, ensuring that the pins on the main coin acceptor body locate in the dimples on the side plate.

4.3.4 Adjusting screws for coin diameter and thickness are also located on the side plate, these are factory set and should not normally require alteration.

JOLLY ROGER AMUSEMENT RIDES

Coin acceptor (electronic) MARS

4.4 To remove/refit the coin acceptor proceed as follows:

4.4.1 Remove the coin acceptor by turning the lock situated on the faceplate and disconnect the cable plug from the printed circuit board on the mechanism - the coin acceptor can now be removed from the machine.

4.4.2 To remove litter from the coin acceptor, pull the hinged side plate sideways and remove any litter or obstruction. Release hinged side plate.

4.4.3 Refit the coin acceptor in reverse order to removal, ensuring that the cable plug is reconnected to the printed circuit board on the mechanism.

WARNING NEVER REMOVE OR REPLACE AN ELECTRONIC MECHANISM WITH THE POWER SUPPLY SWITCHED ON.



Electronic coin mechanism MARS - switch positions

4.5 To inhibit coins:

With machine switched on:

4.5.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = ON.

4.5.2 Press reject button within 20 seconds of setting slide switches.

4.5.3 Insert all coins to be inhibited.

4.5.4 Press reject button within 20 seconds of inserting coins. Inhibited coins should now be rejected.

4.6 To re-enable inhibited coins:

With machine switched on:

4.6.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = OFF.

4.6.2 Press reject button within 20 seconds of setting slide switches.

4.6.3 Insert all coins to be re-enabled.

4.6.4 Press reject button within 20 seconds of inserting coins. Previously inhibited coins should now be accepted.

NOTE

Mechanism must be powered up before changing switch positions. Switch positions must be moved prior to attempting either of the above.

JOLLY ROGER AMUSEMENT RIDES

Stamar "Plug n Play" Kiddie Ride Controller Credit Programming Instructions

4.7 The "Plug n Play" Timer Unit can now be programmed "on-site" for any Credit functions as shown by the following instructions. This facility is incorporated on all software from JR423 onwards

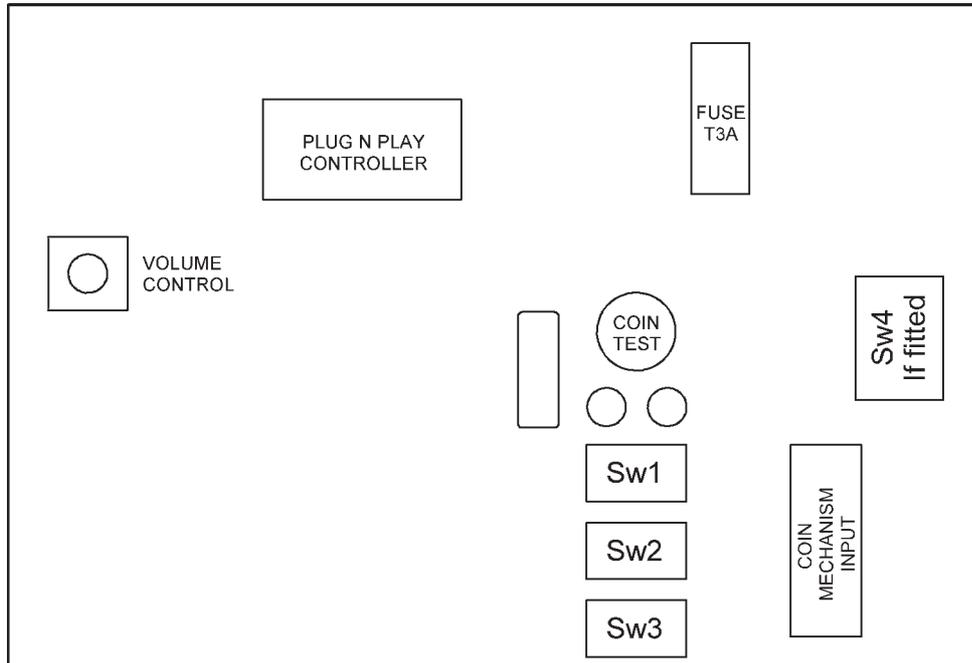


Fig 1 Programmable Control Unit

JR423

Credit Programming sequence

1. Turn Ride OFF
2. Make a note of the current SW1 settings
3. Set ALL SW1 switches to the OFF position
4. Turn the Ride ON
5. Enter coins to the value of the first Credit value
6. Press the Ride Start Switch for the number of rides required for this credit value
7. Insert coins for the next credit value required
8. Press the Ride Start Switch for the next number of rides required
9. Repeat this process until ALL credit values have been entered
10. Now PRESS and HOLD the Ride Start Switch until the voice prompt announces that the programming is completed, approximately 4-5 seconds
11. Turn the Ride OFF
12. Set ALL SW1 switches to the ON position
13. The new Credit Program is now installed
14. If at any time during the process, you wish to cancel the programming function, simply turn the Ride OFF and re-set the original SW1 positions. This will restore the previous credit program

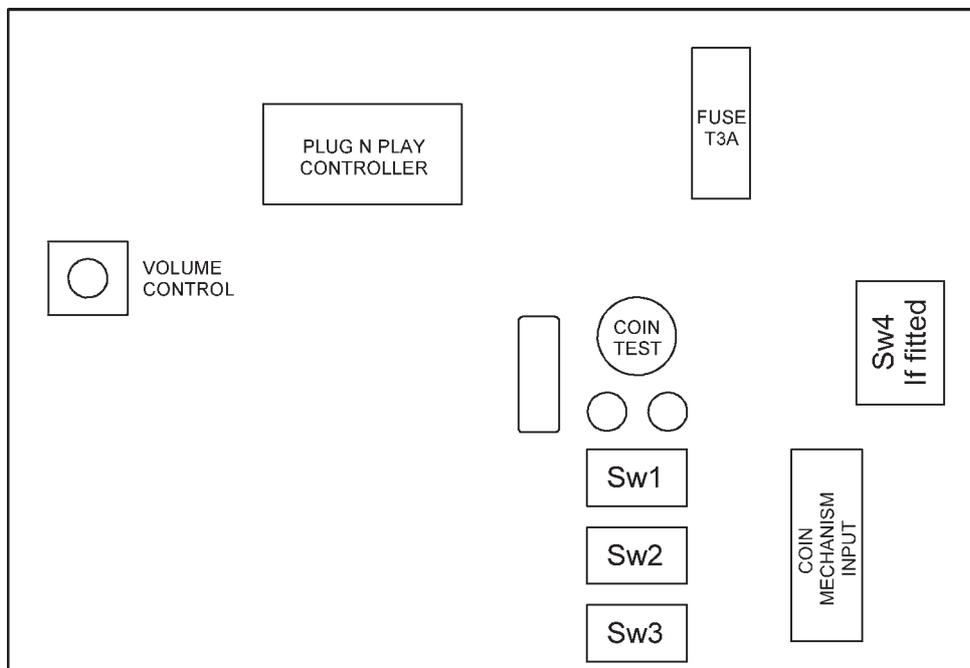
JOLLY ROGER AMUSEMENT RIDES

Stamar “Plug n Play” Kiddie Ride Controller Configuration Instructions

4.8 The new “Plug n Play” programmable control unit has four externally accessible DIL switches, SW1, SW2, SW3 and SW4, which are used to select the most popular modes of operation.

NOTES

1. It is advisable to remove the control unit from the ride as this will assist viewing the switches and referring to these instructions. The control unit can be easily “unplugged” from the ride **AFTER POWER TO THE RIDE HAS BEEN SWITCHED OFF** and the two mounting bolts have been removed.
2. All alterations to these switches should only be made after power to the ride has been turned off as this will avoid any unintentional damage to the control unit and/or the ride.



JR423

Fig 1 Programmable Control Unit

JOLLY ROGER AMUSEMENT RIDES

SW1 sets the Price of Play value or Credit Program Options.

4.9 The SW1 switch is used to set price at play value or credit program options.

NOTES

1. The setting for **either** “price of play” **or** “credits” on SW1 as shown below are selected using **SW3/S4** as shown in SW3 settings below.

i.e. SW3/S4 must be set to On if “Price of Play” options are required.

SW3/S4 must be set to Off if “Credit Programs” are required.

2. The **Price of Play** refers to multiples of the **Base Coinage** that the coin mechanism has been programmed to accept:

- UK Mechanism. The mechanism is programmed for a 10p base and gives play values from 10p (min) to £2.00 (max).
- USA Mechanism. The mechanism is programmed for a 25c base and gives play values from 25c (min) to \$3.75 (max).

SW1

S1	S2	S3	S4	Price Of Play Selected	Or	Pre - Programmed Credit Options Available
on	off	off	off	1 Coin	Or	30 P 1 RIDE 50 P 2 RIDES £1 5 RIDES
off	on	off	off	2 Coin	Or	20 P 1 RIDE 50 P 3 RIDES
on	on	off	off	3 Coin	Or	40 P 1 RIDE £1 3 RIDES
off	off	on	off	4 Coin	Or	50 P 1 RIDE £1 £2 3 RIDES 6 RIDES
on	off	on	off	5 Coin	Or	60 P 1 RIDE £1 £2 2 RIDES 5 RIDES
off	on	on	off	6 Coin	Or	10 P 1 RIDE 30 P 4 RIDES
on	on	on	off	7 Coin	Or	£1 1 RIDE £2 3 RIDES
off	off	off	on	8 Coin	Or	£2 1 RIDE
on	off	off	on	9 Coin	Or	20 P 1 RIDE 40 P 3 RIDES
off	on	off	on	10 Coin	Or	10 P 1 RIDE 20 P 3 RIDES Available on JRTDv3 software onwards 01/05/2001
on	on	off	on	11 Coin	Or	60p 1 RIDE £1 £2 2 RIDES 4 RIDES Available on JRTDv4 software onwards 01/05/2002
off	off	on	on	12 Coin	Or	70p 1 RIDE £1 £2 2 RIDES 4 RIDES
on	off	on	on	13 Coin	Or	
off	on	on	on	14 Coin	Or	Free Play For Exhibition Or Test Use
on	on	on	on	15 Coin	Or	Programmable By User
off	off	off	off	User on site Programming Mode		Available on JRTDv4 software onwards

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Ride time

4.10 SW2 is used to set the ride time. The ride time can be set from 30 seconds to 120 seconds in 15 second increments or to run for as long as the main background soundtrack.

SW2

Ride Time	S1	S2	S3	S4
30 secs	off	off	off	OFF
45 secs	on	off	off	OFF
60 secs	off	on	off	OFF
75 secs	on	on	off	OFF
90 secs	off	off	on	OFF
105 secs	on	off	on	OFF
120 secs	off	on	on	OFF
Ride time set to soundtrack	on	on	on	OFF

NOTE

S4 is used for a diagnostic test sequence during manufacture and under normal operating conditions is not used and must be set to the **OFF** position.

Additional ride features

4.11 SW3 selects additional ride features.

SW3

	S1	S2	S3	S4
Prompt phrases On/Off	On/Off	x	x	x
Attract sounds On/Off	x	On/Off	x	x
Count no. of Rides	x	x	On	x
Count No. of Coins (coin mech. Base coin value)	x	x	Off	x
Select <i>Price of Play</i> options	x	x	x	On
Select <i>Credit Program</i> options	x	x	x	Off

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Ride flasher options

4.12 SW4 selects the ride flasher options (if fitted).

SW4

	S1	S2	S3	S4
1 Channel flasher output	Off	Off	x	OFF
2 Channel running flasher outputs	On	Off	x	OFF
3 Channel running flasher outputs	Off	On	x	OFF
4 Channel running flasher outputs	On	On	x	OFF
Standard flasher speed	x	x	Off	OFF
Fast flasher speed	x	x	On	OFF

NOTE

S4 is used to select “Program Mode” and under normal operating conditions is not to be used and must be set to the **OFF** position. “Program Mode” should only be used by experienced operators familiar with the extended programming sequence, or under direct instruction from Jolly Roger (Amusement Rides) Ltd., or Stamar Electronics.

Volume adjustment

4.13 Access to the volume control knob is gained by removing the coin mechanism (para 4.3 or 4.4) and is adjusted by turning the control knob on the timer which is located on the back wall of the compartment.

Access to other components

4.14 Access to the Power supply unit (PSU), main fuses and other components on the chassis is gained by removing the bottom cover (para 4.22).

Drive belt adjustment

4.15 The “final drive” belt is adjusted by loosening the four bolts holding the camshaft bearings and sliding the whole assembly to adjust.

NOTE

This belt should run tight.

4.16 The “countershaft” belt is adjusted by loosening the four bolts holding the motor and sliding the motor to adjust.

NOTE

This belt should run quite loose.

4.17 Both belts are correctly tensioned during manufacture and should not require adjustment.

Bearings

4.18 All bearings are greased for life and should normally not be re-packed with grease. However, in certain circumstances the bearings may require lubrication. If this situation arises, apply grease sparingly.

JOLLY ROGER AMUSEMENT RIDES

Fuses

4.19 Fuses are located in the side of the PSU. Never replace fuses with a higher value than recommended.

Body and other mouldings

4.20 Clean with damp cloth rinsed out in soapy water, do not hose down or flood the machine. Alternatively, a proprietary household furniture cleaner may be used.

Removal of body shell

NOTE

Refer to Figure 7 in Spare Parts section for item numbers.

4.21 To remove the body shell

4.21.1 Remove the four bolts, nuts (Fig 7 item 5) and washers (Fig 7 item 4) situated under the body shell, which attach the body to the chassis.

4.21.2 Disconnect the electrical wiring underneath the body shell by undoing the plug and socket connector.

4.21.3 Remove body shell.

Removal of bottom cover

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

4.22 To remove the bottom cover proceed as follows

CAUTION



Care is to be taken when carrying out step 4.22.1

4.22.1 Turn ride on to its side.

4.22.2 Remove the four hexagon retaining screws that secure the bottom cover.

4.22.3 Refit in reverse order to the removal.

Daily checks

4.23 A check of each coin-operated Kiddie Ride should, whenever reasonably practical, be carried out each day before it is made available for the public. The following checks are recommended: -

4.23.1 Check that the mains plug is undamaged and securely attached to the mains cable.

4.23.2 Check that the mains cable is undamaged.

4.23.3 Check that there are no broken or damaged parts of the ride that may cause injury.

4.23.4 Check that all guards are in place thus preventing any access to the mechanism.

4.23.5 Apply pressure to the ride to ensure that it is firmly secured to the base stem and check that all advisory literature is in place.

JOLLY ROGER AMUSEMENT RIDES

4.23.6 Ensure the area around the ride is free from obstruction and that persons passing by are not in any danger.

4.23.7 The ride should be kept clean and free from any customised additions unless approved by the manufacturer.

4.24 If as a result of the above visual checks any doubt arises, then the company, supplier or person responsible for the ride should be notified immediately.

Motor

The motor is fitted with a manual re-set thermal overload cut-out device in accordance with UL requirements.

4.25 When the motor does not operate, check if the thermal overload cut-out device has operated and re-set as follows:

CAUTION When the thermal overload cut-out device has operated, investigate and correct the fault before the ride is returned to use.



4.25.1 Disconnect the machine from the electrical power supply

4.25.2 Remove the bottom cover from the machine (para 4.22).

4.24.3 Re-set the thermal overload cut-out button on the motor backplate.

4.25.4 Refit the bottom cover to the machine (para 4.22).

4.25.5 Connect the electrical power and test the ride.

JOLLY ROGER AMUSEMENT RIDES

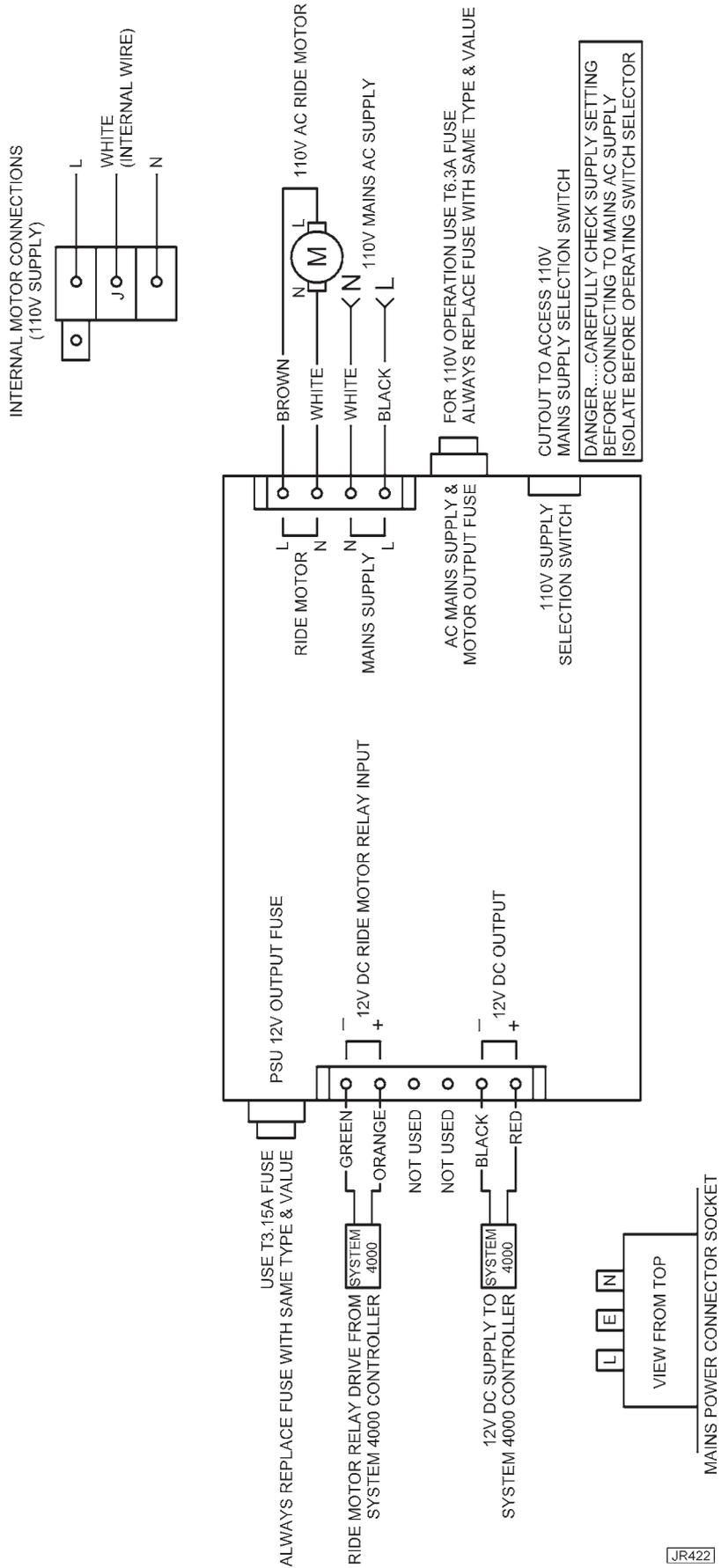
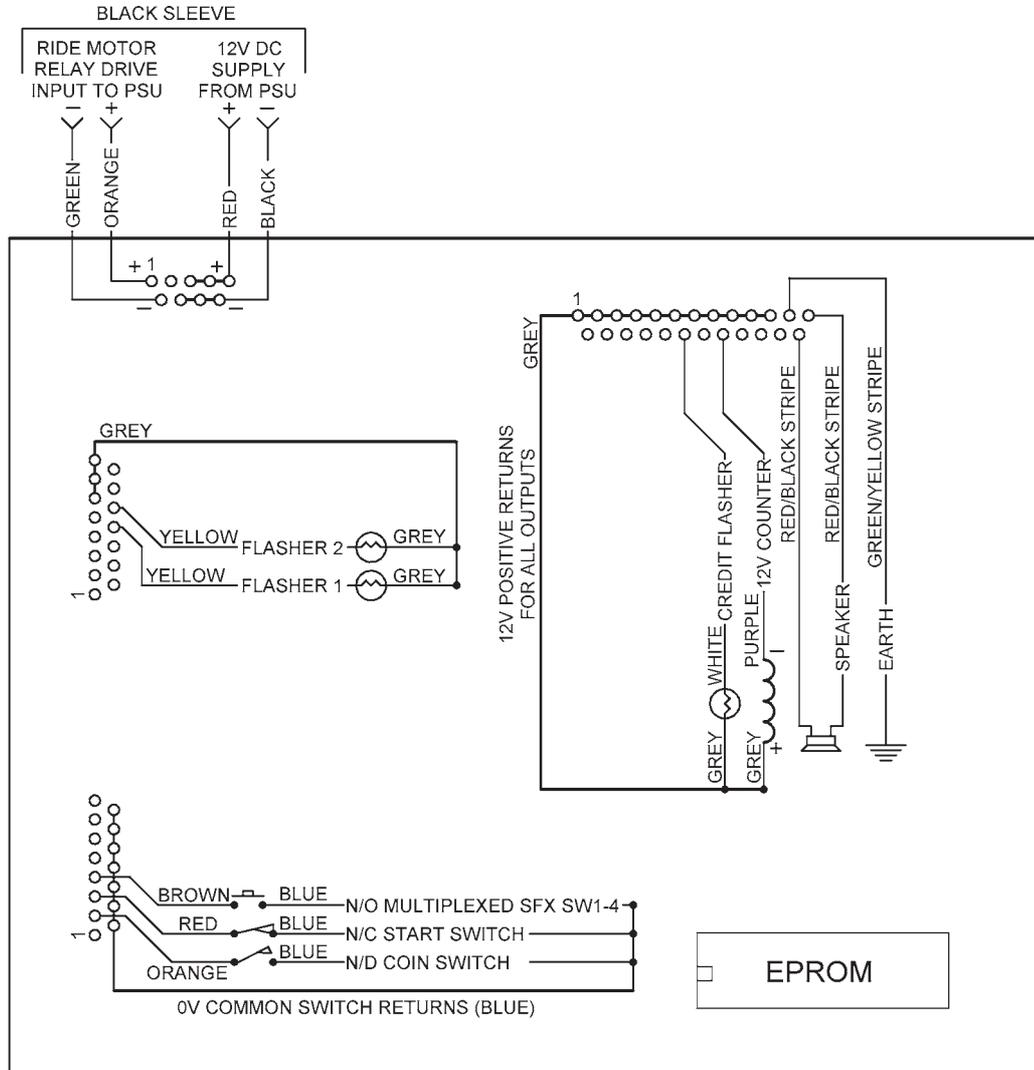


Fig 3 Wiring diagram (rides with the 110 Volts supply) - (System 4001)

JOLLY ROGER AMUSEMENT RIDES



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Fig 4 Wiring diagram cash box - Base to body loom connector (System 4001)

JOLLY ROGER AMUSEMENT RIDES

SPARE PARTS

NOTE

For Video Ride Equipment - Spare Parts, refer to the Video Ride Equipment Handbook.

1. The machine serial number (if given) on the reference plate must always be quoted.
2. Quote the full part number and description as set out in the list.
3. State precisely how parts are to be despatched.

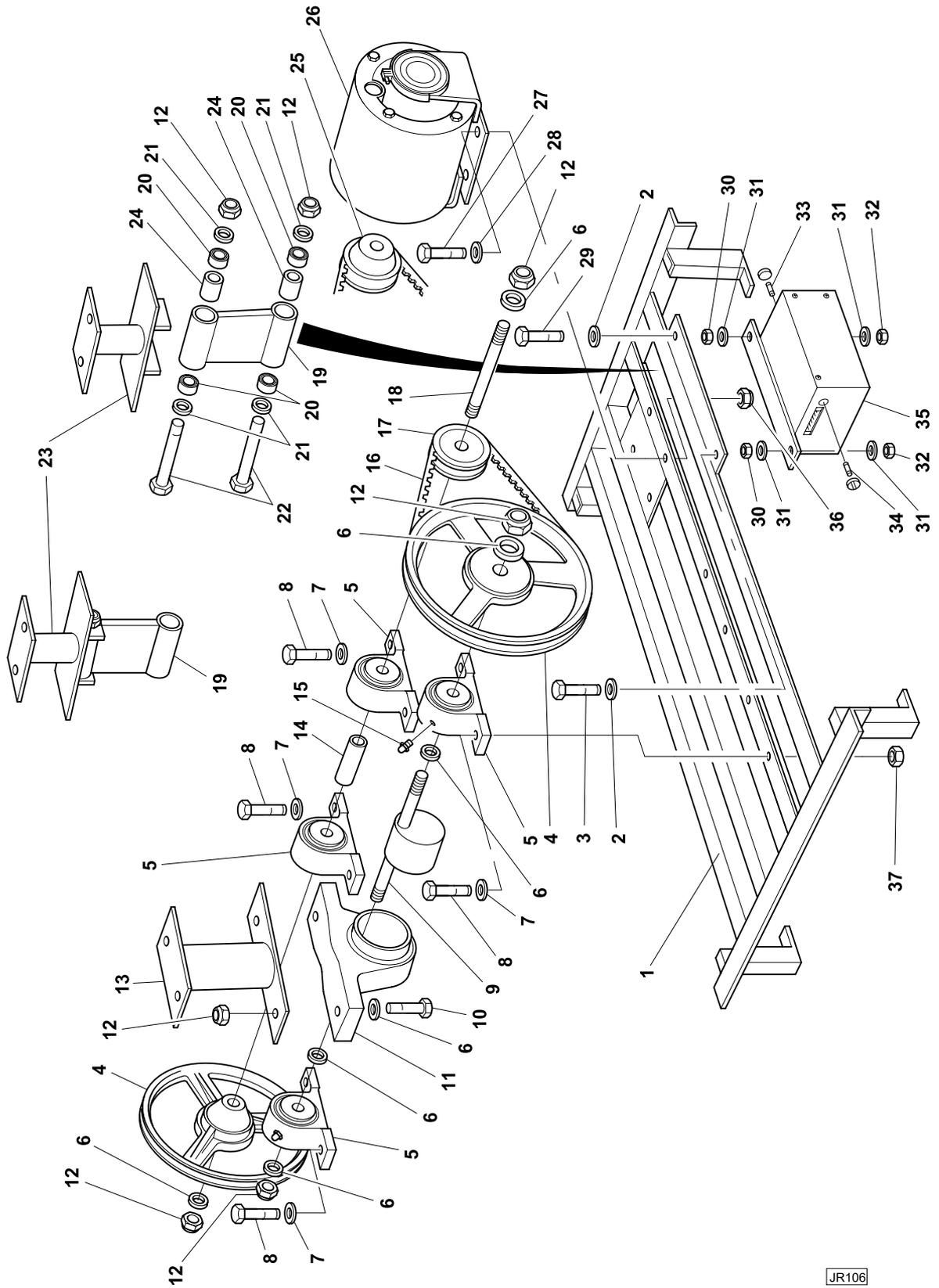
Home: By post, carrier or road transport.

Overseas: By sea freight, airmail or air freight.
4. Keep orders separate from other correspondence.
5. Foreign orders must be sent through our accredited agent, an established London House, or accompanied by a remittance.
6. Replacement parts which are not of genuine Jolly Roger supply, cannot be relied upon to be to the correct specification, material or workmanship. Jolly Roger therefore cannot be expected to extend their Warranty to Kiddies Rides which have been fitted with parts which Jolly Roger has not supplied.
7. Jolly Roger reserve the right to make changes or improvements in the construction or specification of their products at any time.

Conditions of Business

1. Particulars given in this list are subject to withdrawal and alteration without notice.
2. All quotations are subject to confirmation before acceptance of order.
3. All goods are supplied on the conditions that Jolly Roger shall not be liable for any direct or consequential damage arising from delay in delivery or from defective material, other than is covered by our usual form of guarantee.
4. Whilst every effort is made to ensure the accuracy of the particulars contained in this book, modifications and specification changes to the Kiddies Ride are on-going. These may affect the information specified. No responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of information in this book not being in accord with modifications or Kiddies Ride specification changes which are subsequent to the date of this book. Also, no responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of any misinterpretation of the information specified in this parts book.

JOLLY ROGER AMUSEMENT RIDES



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Fig 5 Chassis assembly

JOLLY ROGER AMUSEMENT RIDES

Parts list - Chassis assembly

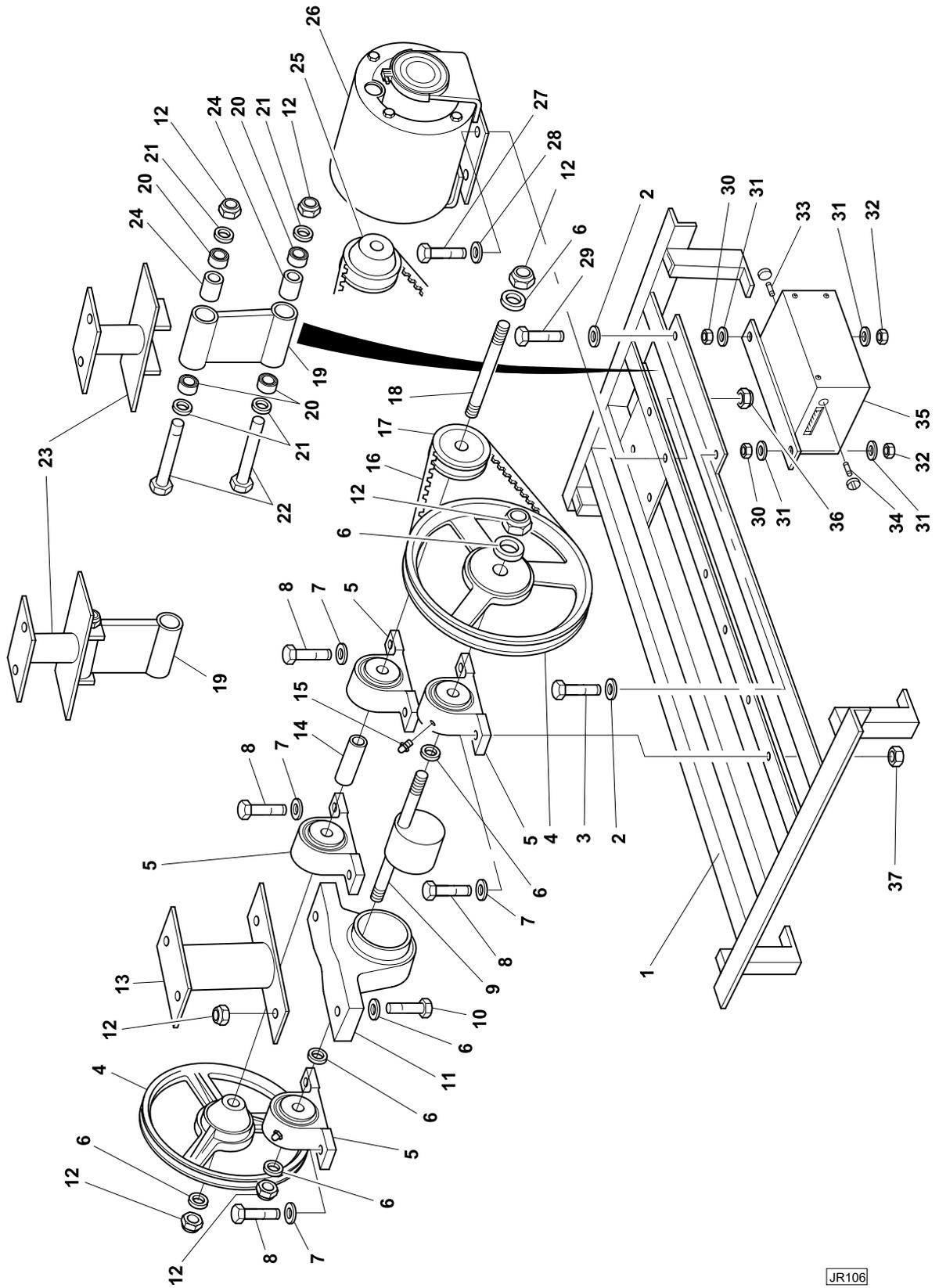
† Item not illustrated

Item No	Part No	Description	QTY
-	3000011	Chassis assembly, comprising:	-
1	3100002	Chassis	1
2	7600000	Washer, M6	2
3	7000203	Bolt, cap head, hexagon socket, M6 x 25	1
4	8000000	Pulley, 224 SPA x 12 mm x 1A	2
5	6000000	Housing, bearing assembly, NP12	4
6	7600300	Washer, M12	10
7	7600200	Washer, M10	8
8	7000604	Bolt, M10 x 35	8
9	8200000	Camshaft	1
10	7000707	Bolt, M12 x 50	2
11	6000001	Housing, bearing assembly, SL40	1
12	7700300	Nut, M12, Nyloc	6
13	3200002	Arm, top, front	1
14	9000003	Spacer, 89 mm long	1
15	9100000	Nipple, grease	5
16	8100000	Belt, vee, A 33 (A 870)	2
17	8000002	Pulley, 43 SPA x 12 mm x 1A	1
18	8210000	Countershaft	1
19	3200001	Arm, pivot	2
20	6100000	Bearing, 6001 ZZ	8
21	9050000	Shim, M12	8
22	7000900	Bolt, precision, M12 x 110	4
23	3200003	Arm, top, rear	2
24	9000002	Spacer, 60 mm long	4
25	8000001	Pulley, 43 SPA x 1/2 in x 1A	1

Cont.

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES



JR106

Fig 5 Chassis assembly (Continued)

JOLLY ROGER AMUSEMENT RIDES

Parts list - Chassis assembly

† Item not illustrated

Item No	Part No	Description	QTY
Cont.			
-	3000011	Chassis assembly, comprising:	-
26	2000001	Motor, 220/240 volts 50 Hz	1
-	2000000	Motor, 110 volts 60 Hz (alternative)	1
27	7000503	Bolt, M8 x 25	4
28	7600100	Washer, M8	4
29	7000204	Bolt, cap head, hexagon socket, M6 x 30	8
30	7700001	Nut, M6	2
31	7600001	Washer, M6 x 25 dia	6
32	7700000	Nut, M6, nyloc	2
33	2400006	Fuse, output, 12 volt T5A	1
34	2400004	Fuse main, T3.15A	1
-	2400007	Fuse main, T6.3A (alternative for 110-120V 60Hz)	1
35	2100011	Power supply unit	1
36	7700100	Nut, M8, Nyloc	4
37	7700200	Nut, M10, Nyloc	8
-	† 5120001	Castor, 2 inch	2
-	† 1110047	Bottom cover moulding	1
-	† 7000503	Bolt, hexagon head M8 x 25 c/w washers and nut	4
-	† 2200003	Mains lead	1

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES

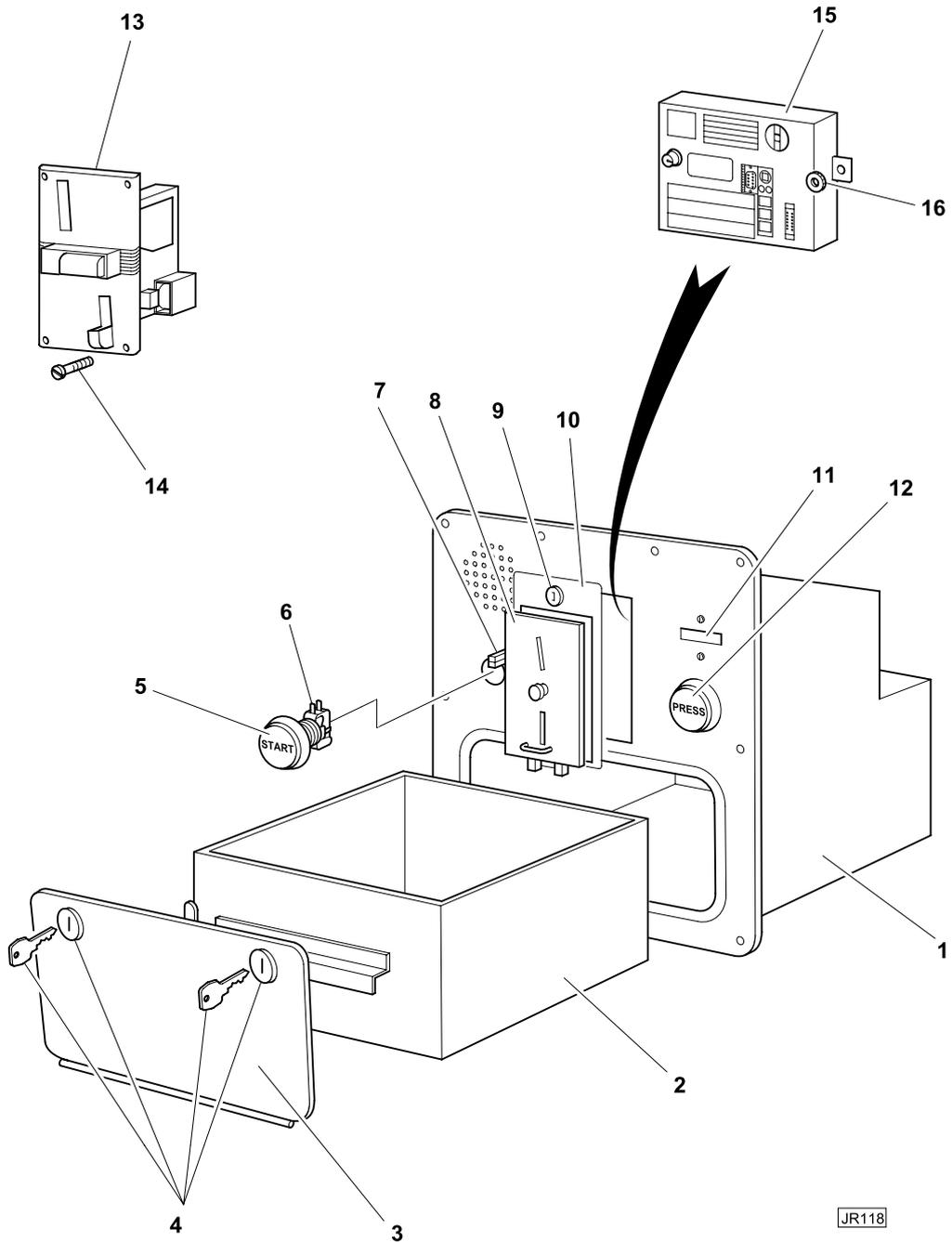


Fig 6 Coin collection assembly - System 4001 (Standard or Video version)

JOLLY ROGER AMUSEMENT RIDES

Parts list -Coin collection assembly 4001 (standard)

† Item not illustrated

Item No	Part No	Description	QTY
-	4000006	Coin collection assembly comprising:	-
1	4100020	Housing	1
2	4100001	Cash box	1
3	4100021	Door	1
4	9300006	Lock complete with keys	2
5	2520008	Switch, pushbutton, round, START, green	1
-	† 2920008	Bulb, 2.2 watt, wedge	1
6	2520010	Microswitch	1
7	2500000	Microswitch, coin acceptor	1
8	4200008	Coin acceptor	1
9	9300004	Lock complete with keys	1
10	4200009	Plate, coin acceptor	1
11	2100009	Counter, coin impulse (fitted internally)	1
12	2520009	Switch, pushbutton, round,PRESS, red	1
-	† 2920008	Bulb, 2.2 watt, wedge	1
-	† 2520010	Microswitch	1
13	4200005	Coin acceptor, electronic assembly (optional) comprising:	1
-	† 4200006	Mechanism, electronic coin acceptor	1
-	† 4200007	Wiring loom, electronic coin acceptor	1
14	7200000	Screw, cap head, M4 x 20	4
15	2100012	Timer, System 4001	1
16	2100013	Nut, timer	2
-	† 2600000	Loudspeaker	1

Note: Refer to manufacturer when ordering items from this list.

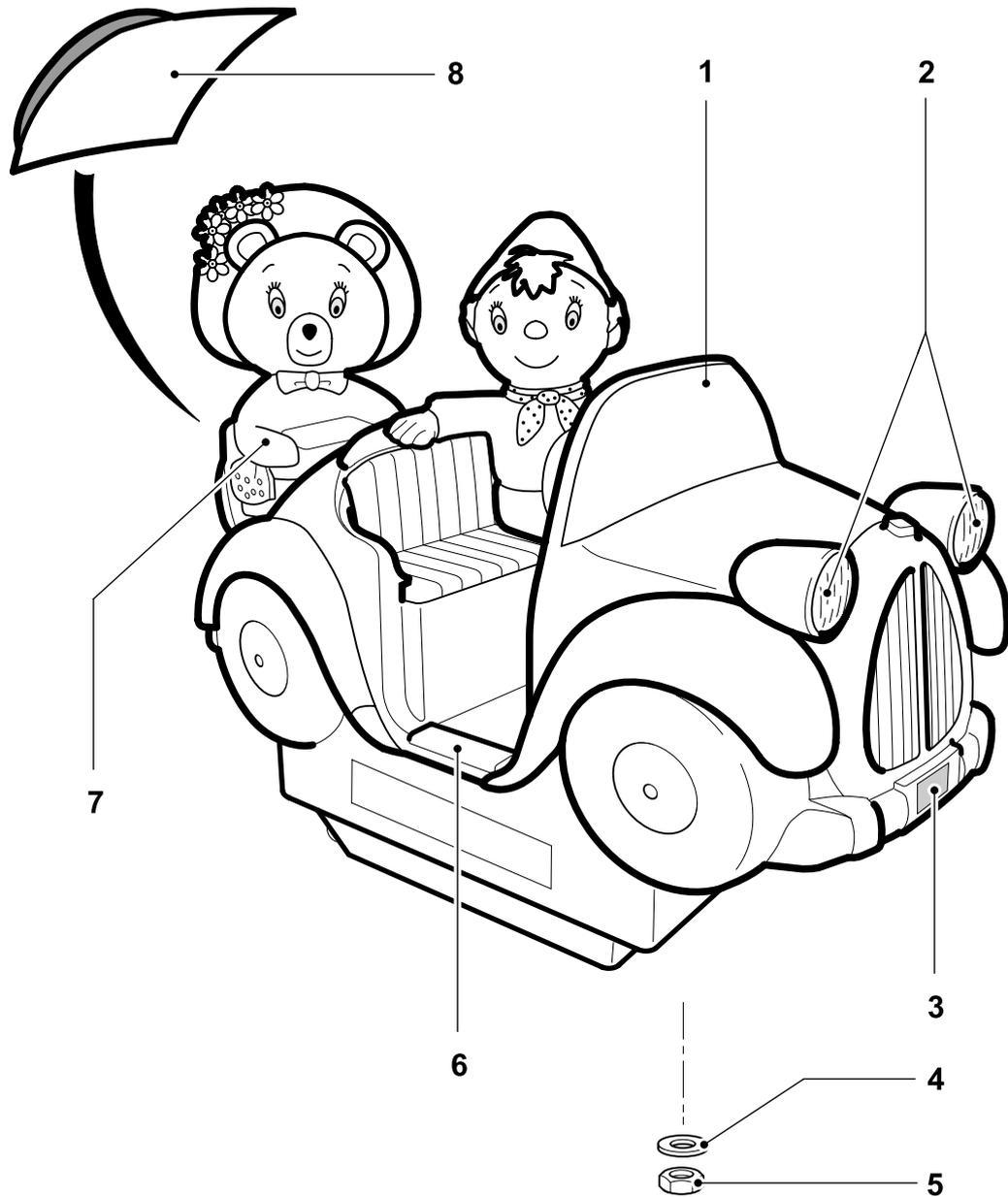


Fig 7 Body Shell Assembly

JOLLY ROGER AMUSEMENT RIDES

Parts list - Body Shell Assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	1080074	Body shell assembly, comprising:	
1	1100074	Moulding, body	1
2		Headlamp assembly ,comprising;	2
-	† EE002	Lens - 65c	2
-	† EE002A	Reflector	2
-	† EE0013	Bulb, Single contact, 12V 5W	2
3	1700074	Decal set	1
4	7600200	Washer, M10	4
5	7700200	Nut, M10, Nyloc	4
6	1300075	Foot tread	1
7	1110077	Moulding, Figure, Tessie Bear	1
8	1110078	Moulding, Boot Lid	1
9	1110076	Moulding, Figure, Noddy	1

Note: For Video ride equipment refer to Video Ride Equipment Handbook

Note: For coin acceptor and cash box details see coin collection assembly parts list

Note: Refer to manufacturer when ordering items from this list

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JOLLY ROGER AMUSEMENT RIDES

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with the BACTA Industry Standard, the HSE Fairgrounds and Amusement Parks A Code of Safe practice, the Health and Safety at Work Act 1974. (All applicable in the United Kingdom).

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with United States Standard ANSI/UL22 and Canadian C.S.A. Standard C22.2 No. 68.92 and in particular have carried out tests for Earth bonding and dielectric strength. The rides have also been tested and comply with requirements of FCC Part 15, Class A.

THIS CERTIFICATE DOES NOT EXONERATE THE OPERATOR FROM REGULAR CHECKING AND MAINTENANCE OF THE MACHINE TO WHICH IT APPLIES.

Jolly Roger (Amusement Rides) Ltd.
Heath Road,
Skegness Industrial Estate,
Skegness,
Lincolnshire,
PE25 3SU,
England.

Telephone (01754) 896800 Telefax (01754) 610066

E-mail: sales@jolly-roger.co.uk

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Jolly Roger (Amusement Rides) Ltd.

Heath Road,
Skegness Industrial Estate,
Skegness,
Lincolnshire,
PE25 3SU
England.

Telephone: + 44 (0)1754 896800
Fax: + 44 (0)1754 610066
E-mail: sales@jolly-roger.co.uk

EC DECLARATION OF CONFORMITY

(Revised 1st January 1997 and 1st September 2002)

Manufacturer: As above

Details of Electrical Equipment

Type No.: 2

Description: Coin-operated Childrens Ride

Directives this equipment complies with: Electrical Equipment (Safety) Regulations 1994, SI No3260 (Regulation 5. (1)).
Electromagnetic Compatability Directive 89/336/EEC
Low voltage directive 72/23/EEC (article 2) as amended by 93/68/EEC.

Harmonised standards applied in order to verify compliance with Directives: EN 50081-1:1992
EN 50082-1:1992
EN 60335-1:1994 inc. AMDS A11, A1, A12, A13, A14, A2, A15 and A16 - Safety of Household and Similar Electrical Appliance.
EN 55014-1: 1993 EN61000-3-2:1995 + A1: 1998 + A2: 1998
EN 61000-3-3: 1995 EN55014-2: 1997 Category 2
EN 60335-2-82: 2000 - Particular Requirements for Service Machines and Amusement Machines

Test Reported Issued by:	Notified / Competent Body	Report No.
D.J.Taylor	Intertek Testing Services	EM01005623 (A)
J.A.Bearpark	Inchcape Testing Services (U.K.) Ltd.	EM207110 Part A
T.Heathcote	Rowland Laboratories Ltd.	20584
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Year in which CE mark was affixed: 1996/7

Authorised Signatory:

Manufacturer

Date of Issue

1st November 2006

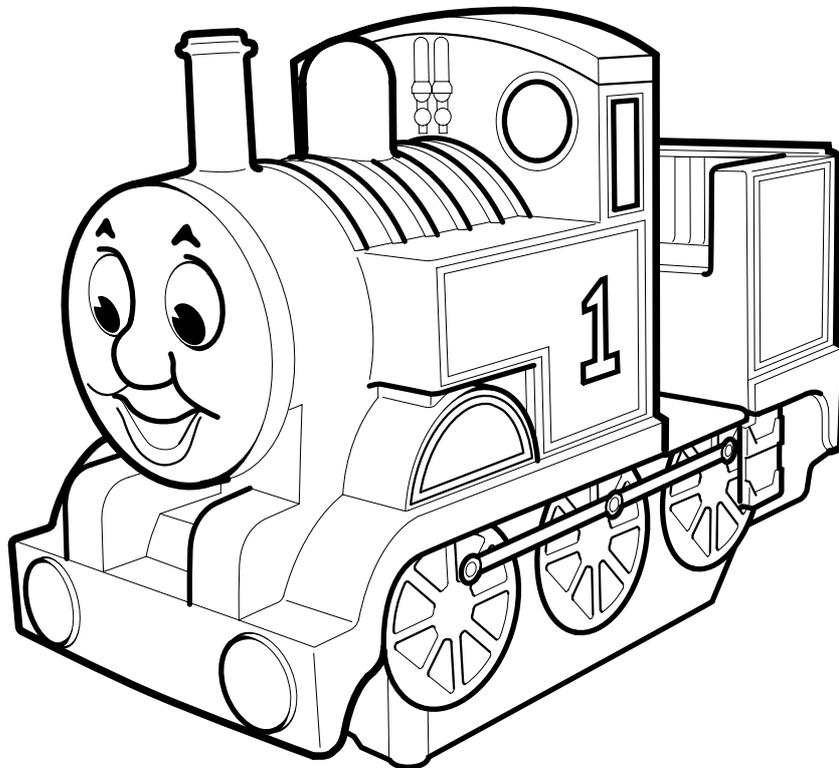


Name: Peter North
Position: Factory Manager

Place of Issue
Skegness, England

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**THOMAS & FRIENDS with Video Option
HANDBOOK**
(For Video Ride Equipment Refer to:
Video Ride Equipment Handbook)



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JOLLY ROGER (Amusement Rides) Ltd reserves the right to make changes, for the purpose of product improvement, at any time.

Jolly Roger (Amusement Rides) Ltd. Heath Road, Skegness Industrial Estate, Skegness, Lincolnshire, PE25 3SU, England.

Telephone: + 44 (0) 1754 896800

Fax: + 44 (0) 1754 610066

E-mail: sales@jolly-roger.co.uk

This handbook was prepared for Jolly Roger (Amusement Rides) Ltd
by
Lionbridge (UK) Ltd.,
Cophall Terrace,
Coventry,
United Kingdom
CV1 2FP

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

INTRODUCTION

Thank you for purchasing your new Kiddie Ride from Jolly Roger (Amusement Rides) Limited and we trust it will give many years of trouble-free profitable service.

Whilst this booklet has been produced primarily with our United Kingdom and European customers in mind, it will certainly be of benefit to other users worldwide.

Reference is made to the United Kingdom Health and Safety at Work Act - Code of Safe Practice at Fairs (which specifically includes coin operated Children's Rides), the Industry Standard for the construction, operation and use of coin-operated Children's Rides, and the EC Declaration of Conformity (CE Mark).

The Rides comply with United Kingdom and European Community regulations, and are ETL listed to comply with US Standard UL 22 covering Amusement Games and Canadian standard C22.2 No 68 covering motor operated appliances.

The rides are designed for intermittent use and the maximum anticipated duty cycle is 30 operations per hour.

The guidance given in this publication is relevant to the safe operation of children's rides wherever they may be operated.

WARNINGS & CAUTIONS

The international safety sign is used throughout this Handbook where specific safety precautions are detailed. The sign is positioned so that the precautions are readily identifiable.

WARNING



INTERNATIONAL SAFETY SIGN

WARNINGS

Warnings call attention to instructions, which must be followed precisely to avoid injury or death.

CAUTIONS

Cautions call attention to instructions, which must be followed precisely to avoid damaging the equipment.

JOLLY ROGER AMUSEMENT RIDES

HEALTH AND SAFETY - CODE OF SAFE PRACTICE AT FAIRS - INDUSTRY STANDARDS

(UNITED KINGDOM)

1.1 Our equipment has been manufactured to the highest standard of construction and safety in order to conform to the H.S.E. Fairground and Amusement Parks, A Code of Safe Practice and the U.K. Health and Safety at Work Act 1974.

1.2 This machine must be earthed. (CONNECTED TO GROUND)

1.3 If a 13 Amp BS1363 plug is fitted then a 5 amp fuse should be fitted. (UK only)

1.4 If the ride is to be situated outdoors, the socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a residual current circuit breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.

1.5 In addition to our manufacturer's test and the daily checks every ride shall be subject to a Thorough Examination by an appointed person once every period of 14 months. (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). The regulation applies in the UK only, however it is sound operating practice wherever a ride is operated.

1.6 The appointed person need not be independent, but should be at least 21 years old, registered under the Amusement Device Inspection Procedures Scheme (ADIPS) and be competent by such qualifications, knowledge, experience and supporting services to be able to make an assessment of the safety of the ride, including any associated equipment/parts e.g. electrical, hydraulic or pneumatic.

1.7 The appointed person should have the technical competence to recognise the significance of the effects of stresses, loadings and fatigue and also be competent to determine the extent of permissible wear.

1.8 The Thorough Examination is to be carried out by a registered body in accordance with the regulations laid down in the Health and Safety at Work Act 1974 (Fairgrounds and Amusements Parks-Guidance on Safe Practice, HSG 175). A Report of Inspection is to be completed after the Thorough Examination. (Applicable in UK only).

1.9 On completion of the Thorough Examination, a Declaration of Operational Compliance (DOC) certificate is to be issued which must be retained for a period of ten years and be available for inspection by the Health and Safety Inspectorate and/or the appropriate officer of the Environmental Health Department of a Local authority. (Applicable in UK only).

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



1.10 If considered necessary, further protection to the power supply may be afforded by conduit, trunking, or rubber protector strip with tapered edges and non-slip ribbed bases. Care is needed to avoid a tripping hazard.

1.11 The Kiddie Rides should be so sited that the length of cable between the ride and socket outlet is a minimum. For floor mounted socket outlets, the ride may be positioned so that there is virtually no exposed cable.

1.12 Galvanised steel braided armoured cable and flexible copper braided cable cannot be satisfactorily terminated in a 13 amp standard (BS 1363) plug. Such cables can be terminated in industrial type plugs BS 196 or BS 4343 or equivalent, but these require the special suitable sockets. (Applicable in UK only).

JOLLY ROGER AMUSEMENT RIDES

INSTALLATION

Siting

WARNING



IT IS NOT RECOMMENDED THAT THE RIDE BE SITED ON A PLINTH, PLATFORM OR ANY FORM OF MATTING. DOING THIS WILL INCREASE THE HEIGHT OF THE RIDE FROM THE GROUND AND MAY CAUSE INJURY FROM FALLING OR TRIPPING.

2.1 A common sense approach should be adopted when siting Kiddie Rides. The following items are an indication, but not exhaustive:

2.1.1 Position the Ride on a level surface.

2.1.2 Ensure there is adequate clearance all round the Ride to minimise the risk of injury to the passengers or public. If possible, a 1 metre clearance around the ride is recommended.

2.1.3 **DO NOT** obstruct emergency exits.

2.1.4 **DO NOT** obstruct fire appliances, hydrants etc.

2.1.5 If sited outside:

The socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a Residual Current Circuit Breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.

DO NOT operate in adverse weather conditions.

NOTE

This ride is considered suitable for outdoor protected locations i.e. under a canopy, or cover and not in a position where the ride could be exposed to direct rain or snow, or other adverse weather conditions.

2.1.6 **DO NOT** locate the ride directly against the plug, which should remain accessible at all times

2.1.7 The ride is not suitable for installation or operation in an area where a water jet could be used

CAUTION

For safety reasons the electrical wiring is colour coded as follows:



2.1.8 For rides with 220-240 volt electrical supply, the wiring colour codes are:

Brown - live
Green/Yellow-earth
Blue – neutral.

2.1.9 For rides with 110-120 volt electrical supply, the wiring colour codes are:

Black - live
Green - earth
White – neutral.

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

INSTALLATION

Site d'installation

ATTENTION  **IL N'EST PAS RECOMMANDE DE CONDUIRE SUR UNE PENTE, RAMPE OU AUTRE AFIN DE NE PAS ELEVER LA HAUTEUR DU VEHICULE ET NE PAS CAUSER DE BLESSURES EN RAISON DE RENVERSEMENT OU D'ACCROCHAGE.**

2.1 Faites appel à votre bon sens quand vous choisissez le site d'installation des manèges pour enfants. Les points suivants sont donnés à titre indicatif mais ne sont pas exhaustifs:

2.1.1 Placer le manège sur une surface nivelée.

2.1.2 S'assurer qu'il y a suffisamment d'espace tout autour du manège pour minimiser le risque de blessures pouvant être causées aux passagers ou au public. Si c'est possible, il est conseillé de laisser 1 mètre d'espace tout autour du manège.

2.1.3 **NE PAS** obstruer les sorties de secours.

2.1.4 **NE PAS** obstruer les bouches d'incendie et la voie de passage des voitures de pompiers.

2.1.5 Si le manège est situé à l'extérieur:

La fiche d'alimentation secteur devrait être branchée avec une prise mâle résistant aux intempéries et protégée en permanence par un disjoncteur de courant résiduel ou un disjoncteur différentiel ayant un taux de déclenchement ne dépassant pas 30 milliampères en 30 milli-secondes.

NE PAS faire fonctionner cette machine lors d'intempéries.

NOTE

On considère que ce manège est adapté à des endroits en plein air abrités, par exemple sous un toit, ou un abri et placé de sorte que le manège ne soit pas exposé directement à la pluie ou à la neige ou à d'autres intempéries.

2.1.6 **NE PAS** installer le manège directement contre la prise; cette dernière devrait toujours être accessible.

2.1.7 Il n'est pas convenable d'installer ou de faire marcher le manège dans un endroit où l'on pourrait utiliser des jets d'eau.

AVERTISSEMENT  **Pour des raisons de sécurité, le circuit électrique est repéré par couleurs comme indiqué ci-dessous:**

2.1.8. Pour les manèges alimentés en 220-240 volt, le circuit électrique est le suivant:

Marron : phase
Vert/Jaune : terre
Bleu : neutre.

2.1.9 Pour les manèges alimentés en 110-120 volt, le circuit électrique est le suivant:

Noir : phase
Vert : terre
Blanc : neutre.

ATTENTION  **TOUJOURS DEBRANCHER LA MACHINE DE L'ALIMENTATION SECTEUR AVANT D'EFFECTUER TOUTE REPARATION OU TOUTE VERIFICATION.**

JOLLY ROGER AMUSEMENT RIDES

OPERATION

General

3.1 A coin-operated Kiddie Ride should not be used unless a D.O.C. has been provided, indicating that the device is safe to operate (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). This regulation applies in the UK only.

JOLLY ROGER AMUSEMENT RIDES

MAINTENANCE

GENERAL

4.1 The rides do not require any periodic maintenance but, they should be checked regularly to ensure that they are in a safe condition for operation by the general public. In the unlikely event of the need to make adjustments or repairs to the machine, the following procedures are recommended.

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS OR COIN MECHANISMS.



Control unit

4.2 The control unit, which operates at 12 volts, is located at the back of the coin acceptor compartment. To remove/refit the control unit proceed as follows:

4.2.1 Remove the coin acceptor (para 4.3 or 4.4).

4.2.2 Remove the two thumb nuts located at each end of the unit.

4.2.3 The control unit may now be removed by pulling it forwards and withdrawing it through the coin acceptor aperture in the cash box assembly.

4.2.4 The mode of operation may now be altered by referring to the basic configuration, as printed on its enclosure, or by referring to the advanced configuration referred to at para 4.7.

4.2.5 Refit the unit by positioning it on the two locator bolts and gently pushing it back into place, ensuring that the plugs and sockets connect to each other.

4.2.6 Refit the two thumb nuts to ensure a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

Coin acceptor (mechanical)

4.3 To remove/refit the coin acceptor proceed as follows:

4.3.1 Remove the coin acceptor by turning the lock situated on the faceplate - the coin acceptor can now be removed from the machine and the wires pulled off the coin acceptor microswitch if desired.

NOTE

Ensure that the wires are reconnected on the correct terminals (C and NO).

4.3.2 To remove litter from the coin acceptor, slide off the spring clip on the top of the mechanism and remove side plate, then remove any litter or obstruction.

4.3.3 Refit the coin acceptor in reverse order to removal, ensuring that the pins on the main coin acceptor body locate in the dimples on the side plate.

4.3.4 Adjusting screws for coin diameter and thickness are also located on the side plate, these are factory set and should not normally require alteration.

JOLLY ROGER AMUSEMENT RIDES

Coin acceptor (electronic) MARS

4.4 To remove/refit the coin acceptor proceed as follows:

4.4.1 Remove the coin acceptor by turning the lock situated on the faceplate and disconnect the cable plug from the printed circuit board on the mechanism - the coin acceptor can now be removed from the machine.

4.4.2 To remove litter from the coin acceptor, pull the hinged side plate sideways and remove any litter or obstruction. Release hinged side plate.

4.4.3 Refit the coin acceptor in reverse order to removal, ensuring that the cable plug is reconnected to the printed circuit board on the mechanism.

WARNING NEVER REMOVE OR REPLACE AN ELECTRONIC MECHANISM WITH THE POWER SUPPLY SWITCHED ON.



Electronic coin mechanism MARS - switch positions

4.5 To inhibit coins:

With machine switched on:

4.5.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = ON.

4.5.2 Press reject button within 20 seconds of setting slide switches.

4.5.3 Insert all coins to be inhibited.

4.5.4 Press reject button within 20 seconds of inserting coins. Inhibited coins should now be rejected.

4.6 To re-enable inhibited coins:

With machine switched on:

4.6.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = OFF.

4.6.2 Press reject button within 20 seconds of setting slide switches.

4.6.3 Insert all coins to be re-enabled.

4.6.4 Press reject button within 20 seconds of inserting coins. Previously inhibited coins should now be accepted.

NOTE

Mechanism must be powered up before changing switch positions. Switch positions must be moved prior to attempting either of the above.

JOLLY ROGER AMUSEMENT RIDES

Stamar “Plug n Play” Kiddie Ride Controller Credit Programming Instructions

4.7 The “Plug n Play” Timer Unit can now be programmed “on-site” for any Credit functions as shown by the following instructions. This facility is incorporated on all software from JR423 onwards

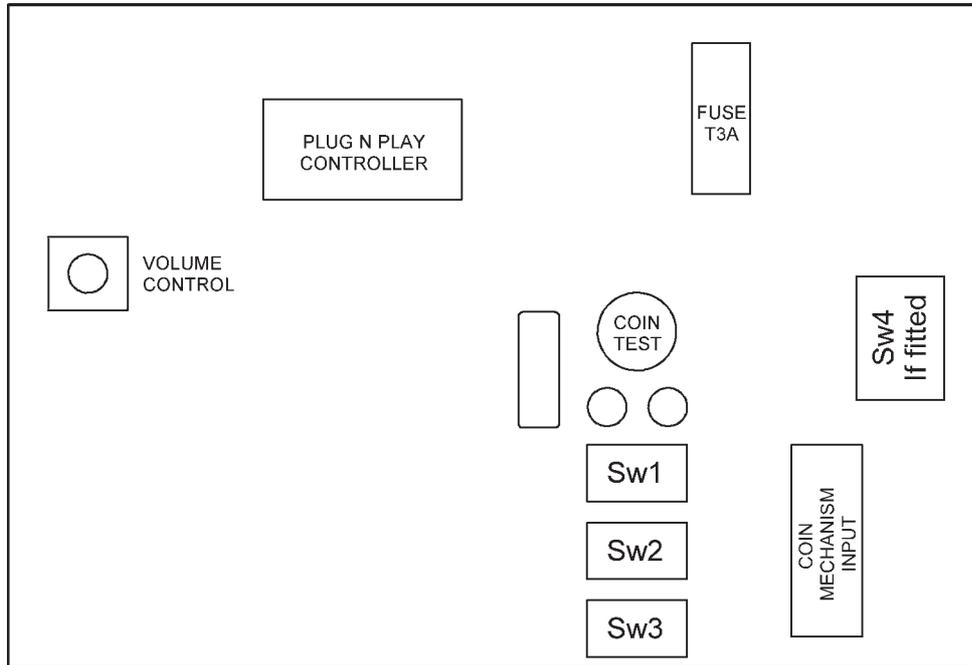


Fig 1 Programmable Control Unit

JR423

Credit Programming sequence

1. Turn Ride OFF
2. Make a note of the current SW1 settings
3. Set ALL SW1 switches to the OFF position
4. Turn the Ride ON
5. Enter coins to the value of the first Credit value
6. Press the Ride Start Switch for the number of rides required for this credit value
7. Insert coins for the next credit value required
8. Press the Ride Start Switch for the next number of rides required
9. Repeat this process until ALL credit values have been entered
10. Now PRESS and HOLD the Ride Start Switch until the voice prompt announces that the programming is completed, approximately 4-5 seconds
11. Turn the Ride OFF
12. Set ALL SW1 switches to the ON position
13. The new Credit Program is now installed
14. If at any time during the process, you wish to cancel the programming function, simply turn the Ride OFF and re-set the original SW1 positions. This will restore the previous credit program

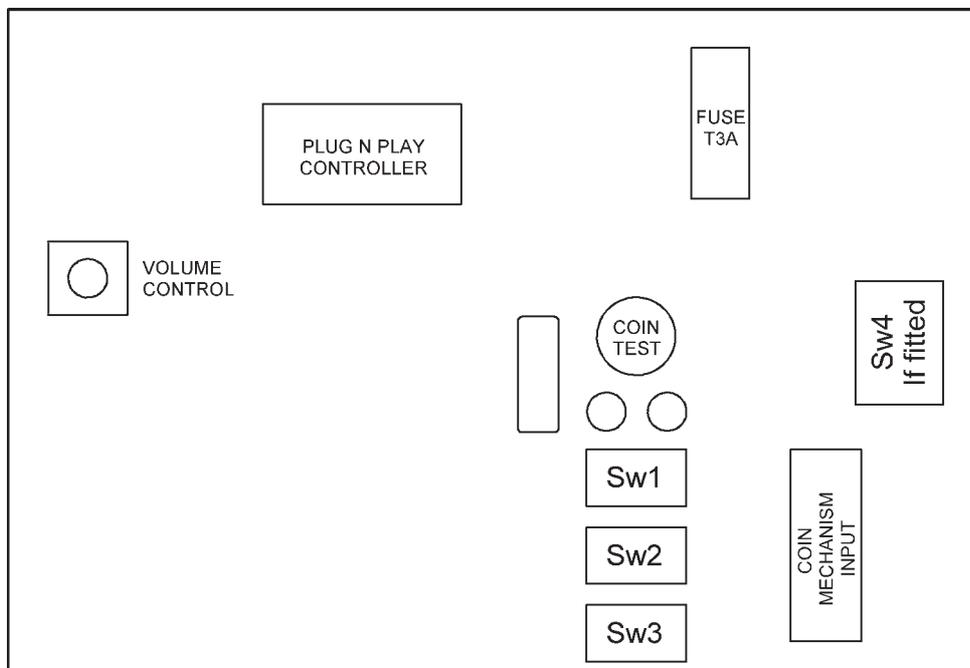
JOLLY ROGER AMUSEMENT RIDES

Stamar “Plug n Play” Kiddie Ride Controller Configuration Instructions

4.8 The new “Plug n Play” programmable control unit has four externally accessible DIL switches, SW1, SW2, SW3 and SW4, which are used to select the most popular modes of operation.

NOTES

1. It is advisable to remove the control unit from the ride as this will assist viewing the switches and referring to these instructions. The control unit can be easily “unplugged” from the ride **AFTER POWER TO THE RIDE HAS BEEN SWITCHED OFF** and the two mounting bolts have been removed.
2. All alterations to these switches should only be made after power to the ride has been turned off as this will avoid any unintentional damage to the control unit and/or the ride.



JR423

Fig 1 Programmable Control Unit

JOLLY ROGER AMUSEMENT RIDES

SW1 sets the Price of Play value or Credit Program Options.

4.9 The SW1 switch is used to set price at play value or credit program options.

NOTES

1. The setting for **either** “price of play” **or** “credits” on SW1 as shown below are selected using **SW3/S4** as shown in SW3 settings below.

i.e. SW3/S4 must be set to On if “Price of Play” options are required.

SW3/S4 must be set to Off if “Credit Programs” are required.

2. The **Price of Play** refers to multiples of the **Base Coinage** that the coin mechanism has been programmed to accept:

- UK Mechanism. The mechanism is programmed for a 10p base and gives play values from 10p (min) to £2.00 (max).
- USA Mechanism. The mechanism is programmed for a 25c base and gives play values from 25c (min) to \$3.75 (max).

SW1

S1	S2	S3	S4	Price Of Play Selected	Or	Pre - Programmed Credit Options Available
on	off	off	off	1 Coin	Or	30 P 1 RIDE 50 P 2 RIDES £1 5 RIDES
off	on	off	off	2 Coin	Or	20 P 1 RIDE 50 P 3 RIDES
on	on	off	off	3 Coin	Or	40 P 1 RIDE £1 3 RIDES
off	off	on	off	4 Coin	Or	50 P 1 RIDE £1 £2 3 RIDES 6 RIDES
on	off	on	off	5 Coin	Or	60 P 1 RIDE £1 £2 2 RIDES 5 RIDES
off	on	on	off	6 Coin	Or	10 P 1 RIDE 30 P 4 RIDES
on	on	on	off	7 Coin	Or	£1 1 RIDE £2 3 RIDES
off	off	off	on	8 Coin	Or	£2 1 RIDE
on	off	off	on	9 Coin	Or	20 P 1 RIDE 40 P 3 RIDES
off	on	off	on	10 Coin	Or	10 P 1 RIDE 20 P 3 RIDES Available on JRTDv3 software onwards 01/05/2001
on	on	off	on	11 Coin	Or	60p 1 RIDE £1 £2 2 RIDES 4 RIDES Available on JRTDv4 software onwards 01/05/2002
off	off	on	on	12 Coin	Or	70p 1 RIDE £1 £2 2 RIDES 4 RIDES
on	off	on	on	13 Coin	Or	
off	on	on	on	14 Coin	Or	Free Play For Exhibition Or Test Use
on	on	on	on	15 Coin	Or	Programmable By User
off	off	off	off	User on site Programming Mode		Available on JRTDv4 software onwards

JOLLY ROGER AMUSEMENT RIDES

Ride time

4.10 SW2 is used to set the ride time. The ride time can be set from 30 seconds to 120 seconds in 15 second increments or to run for as long as the main background soundtrack.

SW2

Ride Time	S1	S2	S3	S4
30 secs	off	off	off	OFF
45 secs	on	off	off	OFF
60 secs	off	on	off	OFF
75 secs	on	on	off	OFF
90 secs	off	off	on	OFF
105 secs	on	off	on	OFF
120 secs	off	on	on	OFF
Ride time set to soundtrack	on	on	on	OFF

NOTE

S4 is used for a diagnostic test sequence during manufacture and under normal operating conditions is not used and must be set to the **OFF** position.

Additional ride features

4.11 SW3 selects additional ride features.

SW3

	S1	S2	S3	S4
Prompt phrases On/Off	On/Off	x	x	x
Attract sounds On/Off	x	On/Off	x	x
Count no. of Rides	x	x	On	x
Count No. of Coins (coin mech. Base coin value)	x	x	Off	x
Select <i>Price of Play</i> options	x	x	x	On
Select <i>Credit Program</i> options	x	x	x	Off

JOLLY ROGER AMUSEMENT RIDES

Ride flasher options

4.12 SW4 selects the ride flasher options (if fitted).

SW4

S1	S2	S3	S4
----	----	----	----

1 Channel flasher output	Off	Off	x	OFF
2 Channel running flasher outputs	On	Off	x	OFF
3 Channel running flasher outputs	Off	On	x	OFF
4 Channel running flasher outputs	On	On	x	OFF
Standard flasher speed	x	x	Off	OFF
Fast flasher speed	x	x	On	OFF

NOTE

S4 is used to select “Program Mode” and under normal operating conditions is not to be used and must be set to the **OFF** position. “Program Mode” should only be used by experienced operators familiar with the extended programming sequence, or under direct instruction from Jolly Roger (Amusement Rides) Ltd., or Stamar Electronics.

Volume adjustment

4.13 Access to the volume control knob is gained by removing the coin mechanism (para 4.3 or 4.4) and is adjusted by turning the control knob on the timer which is located on the back wall of the compartment.

Access to other components

4.14 Access to the Power supply unit (PSU), main fuses and other components on the chassis is gained by removing the bottom cover (para 4.22).

Drive belt adjustment

4.15 The “final drive” belt is adjusted by loosening the four bolts holding the camshaft bearings and sliding the whole assembly to adjust.

NOTE

This belt should run tight.

4.16 The “countershaft” belt is adjusted by loosening the four bolts holding the motor and sliding the motor to adjust.

NOTE

This belt should run quite loose.

4.17 Both belts are correctly tensioned during manufacture and should not require adjustment.

Bearings

4.18 All bearings are greased for life and should normally not be re-packed with grease. However, in certain circumstances the bearings may require lubrication. If this situation arises, apply grease sparingly.

JOLLY ROGER AMUSEMENT RIDES

Fuses

4.19 Fuses are located in the side of the PSU. Never replace fuses with a higher value than recommended.

Body and other mouldings

4.20 Clean with damp cloth rinsed out in soapy water, do not hose down or flood the machine. Alternatively, a proprietary household furniture cleaner may be used.

Removal of body shell

NOTE

Refer to Figure 7 in Spare Parts section for item numbers.

4.21 To remove the body shell

4.21.1 Remove the four bolts, nuts (Fig 7 item 5) and washers (Fig 7 item 4) situated under the body shell, which attach the body to the chassis.

4.21.2 Disconnect the electrical wiring underneath the body shell by undoing the plug and socket connector.

4.21.3 Remove body shell.

Removal of bottom cover

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

4.22 To remove the bottom cover proceed as follows

CAUTION



Care is to be taken when carrying out step 4.22.1

4.22.1 Turn ride on to its side.

4.22.2 Remove the four hexagon retaining screws that secure the bottom cover.

4.22.3 Refit in reverse order to the removal.

Daily checks

4.23 A check of each coin-operated Kiddie Ride should, whenever reasonably practical, be carried out each day before it is made available for the public. The following checks are recommended: -

4.23.1 Check that the mains plug is undamaged and securely attached to the mains cable.

4.23.2 Check that the mains cable is undamaged.

4.23.3 Check that there are no broken or damaged parts of the ride that may cause injury.

4.23.4 Check that all guards are in place thus preventing any access to the mechanism.

4.23.5 Apply pressure to the ride to ensure that it is firmly secured to the base stem and check that all advisory literature is in place.

JOLLY ROGER AMUSEMENT RIDES

4.23.6 Ensure the area around the ride is free from obstruction and that persons passing by are not in any danger.

4.23.7 The ride should be kept clean and free from any customised additions unless approved by the manufacturer.

4.24 If as a result of the above visual checks any doubt arises, then the company, supplier or person responsible for the ride should be notified immediately.

Motor

The motor is fitted with a manual re-set thermal overload cut-out device in accordance with UL requirements.

4.25 When the motor does not operate, check if the thermal overload cut-out device has operated and re-set as follows:

CAUTION When the thermal overload cut-out device has operated, investigate and correct the fault before the ride is returned to use.



4.25.1 Disconnect the machine from the electrical power supply

4.25.2 Remove the bottom cover from the machine (para 4.22).

4.24.3 Re-set the thermal overload cut-out button on the motor backplate.

4.25.4 Refit the bottom cover to the machine (para 4.22).

4.25.5 Connect the electrical power and test the ride.

JOLLY ROGER AMUSEMENT RIDES

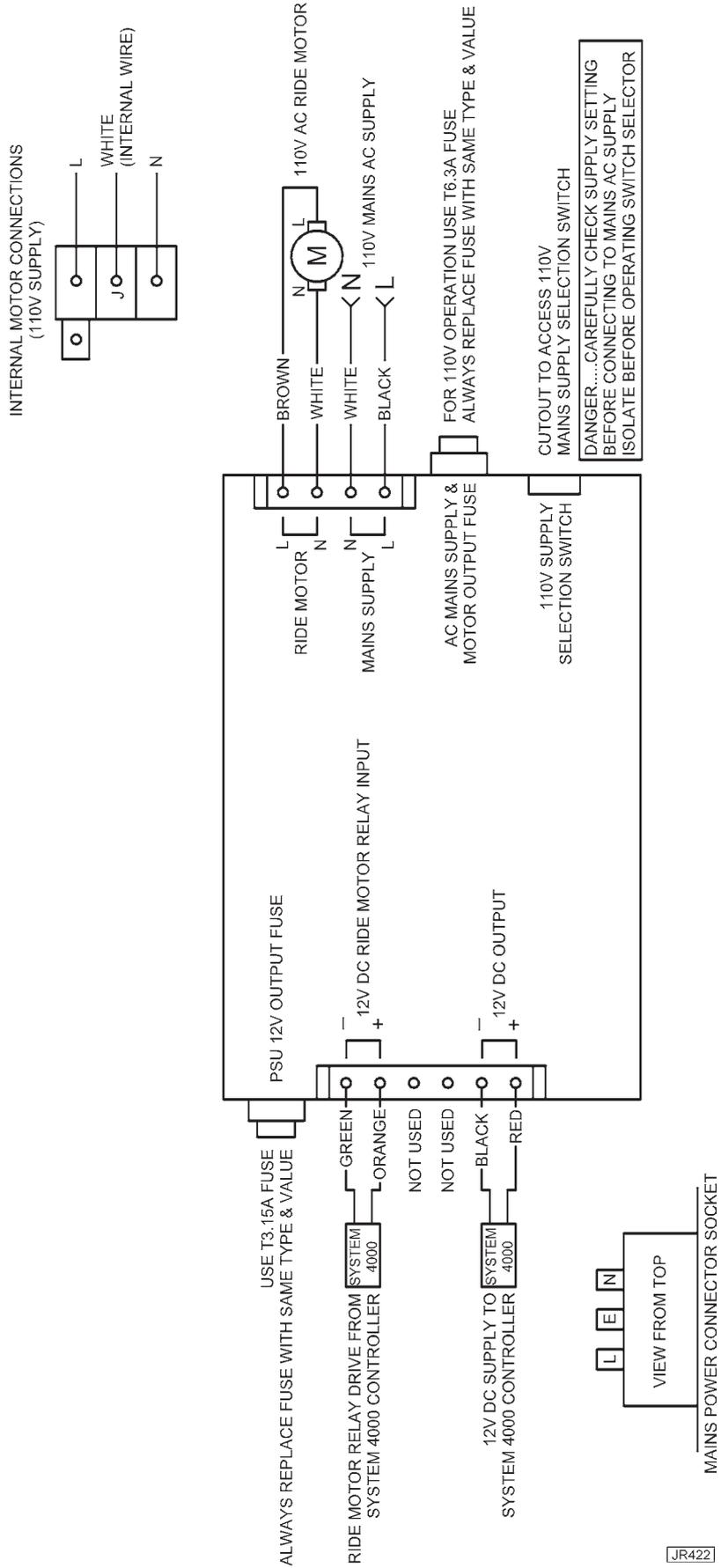
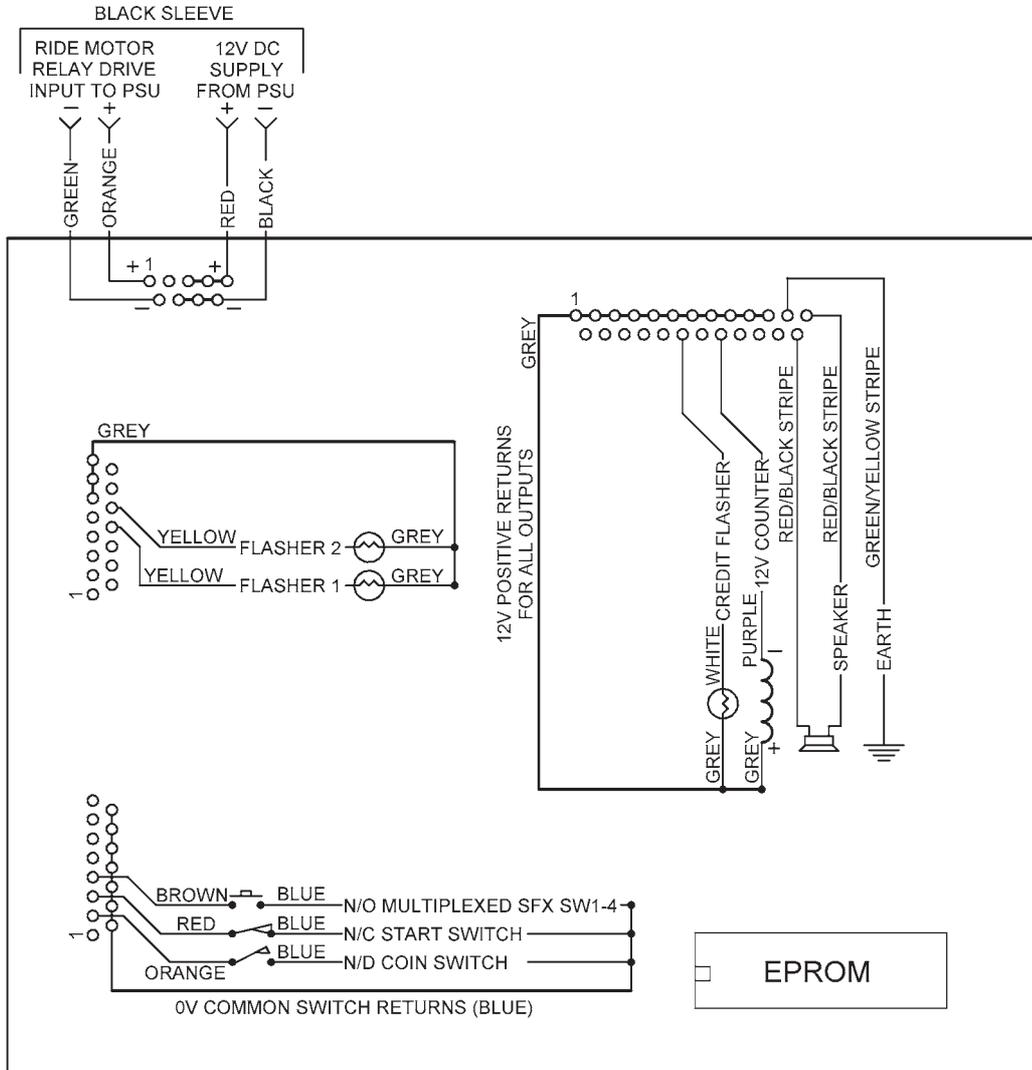


Fig 3 Wiring diagram (rides with the 110 Volts supply) - (System 4001)

JOLLY ROGER AMUSEMENT RIDES



JR420

Fig 4 Wiring diagram cash box - Base to body loom connector (System 4001)

JOLLY ROGER AMUSEMENT RIDES

SPARE PARTS

NOTE

For Video Ride Equipment - Spare Parts, refer to the Video Ride Equipment Handbook.

1. The machine serial number (if given) on the reference plate must always be quoted.
2. Quote the full part number and description as set out in the list.
3. State precisely how parts are to be despatched.

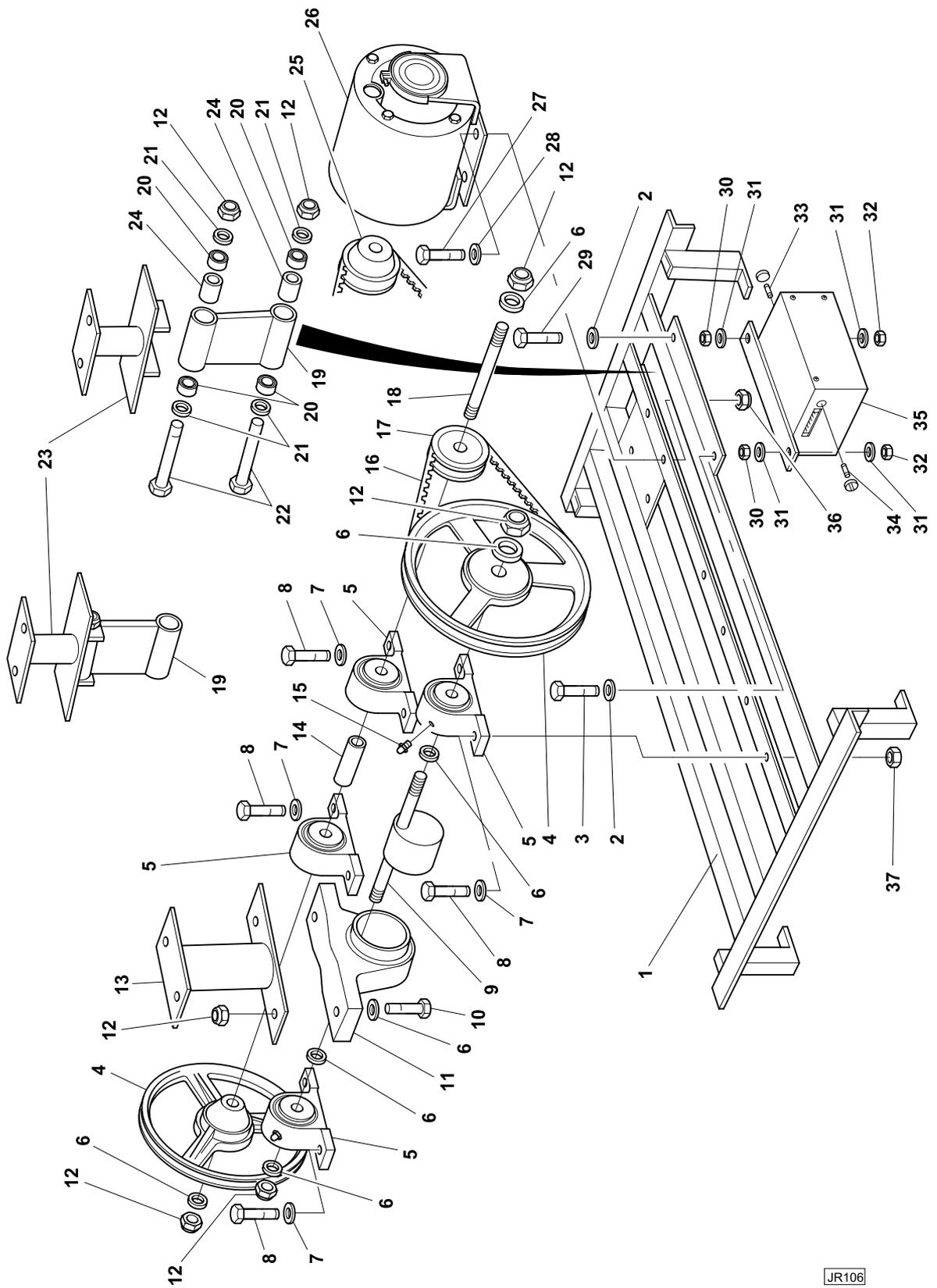
Home: By post, carrier or road transport.

Overseas: By sea freight, airmail or air freight.
4. Keep orders separate from other correspondence.
5. Foreign orders must be sent through our accredited agent, an established London House, or accompanied by a remittance.
6. Replacement parts which are not of genuine Jolly Roger supply, cannot be relied upon to be to the correct specification, material or workmanship. Jolly Roger therefore cannot be expected to extend their Warranty to Kiddies Rides which have been fitted with parts which Jolly Roger has not supplied.
7. Jolly Roger reserve the right to make changes or improvements in the construction or specification of their products at any time.

Conditions of Business

1. Particulars given in this list are subject to withdrawal and alteration without notice.
2. All quotations are subject to confirmation before acceptance of order.
3. All goods are supplied on the conditions that Jolly Roger shall not be liable for any direct or consequential damage arising from delay in delivery or from defective material, other than is covered by our usual form of guarantee.
4. Whilst every effort is made to ensure the accuracy of the particulars contained in this book, modifications and specification changes to the Kiddies Ride are on-going. These may affect the information specified. No responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of information in this book not being in accord with modifications or Kiddies Ride specification changes which are subsequent to the date of this book. Also, no responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of any misinterpretation of the information specified in this parts book.

JOLLY ROGER AMUSEMENT RIDES



JR106

Fig 5 Chassis assembly

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Parts list - Chassis assembly

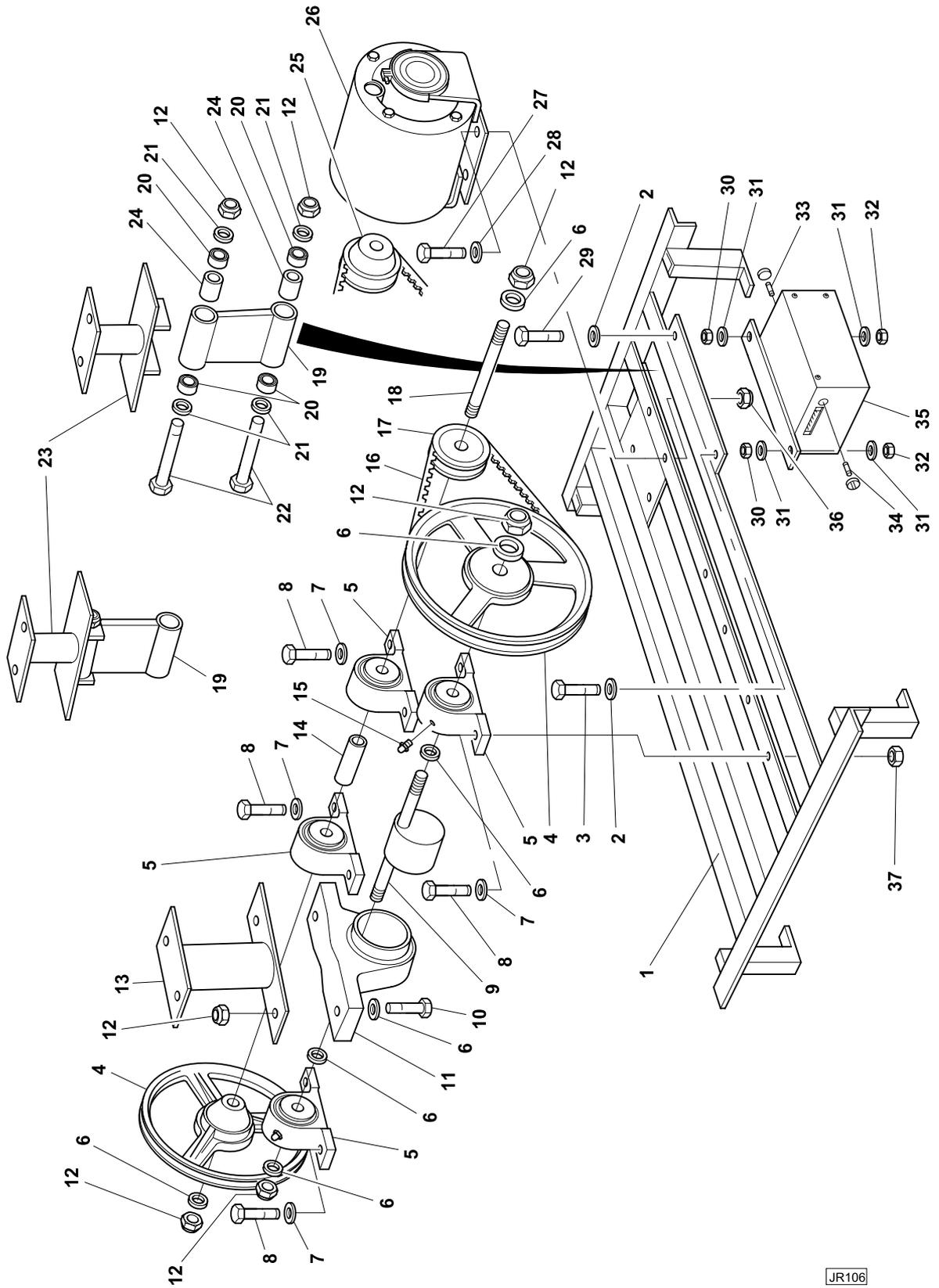
† Item not illustrated

Item No	Part No	Description	QTY
-	3000011	Chassis assembly, comprising:	-
1	3100002	Chassis	1
2	7600000	Washer, M6	2
3	7000203	Bolt, cap head, hexagon socket, M6 x 25	1
4	8000000	Pulley, 224 SPA x 12 mm x 1A	2
5	6000000	Housing, bearing assembly, NP12	4
6	7600300	Washer, M12	10
7	7600200	Washer, M10	8
8	7000604	Bolt, M10 x 35	8
9	8200000	Camshaft	1
10	7000707	Bolt, M12 x 50	2
11	6000001	Housing, bearing assembly, SL40	1
12	7700300	Nut, M12, Nyloc	6
13	3200002	Arm, top, front	1
14	9000003	Spacer, 89 mm long	1
15	9100000	Nipple, grease	5
16	8100000	Belt, vee, A 33 (A 870)	2
17	8000002	Pulley, 43 SPA x 12 mm x 1A	1
18	8210000	Countershaft	1
19	3200001	Arm, pivot	2
20	6100000	Bearing, 6001 ZZ	8
21	9050000	Shim, M12	8
22	7000900	Bolt, precision, M12 x 110	4
23	3200003	Arm, top, rear	2
24	9000002	Spacer, 60 mm long	4
25	8000001	Pulley, 43 SPA x 1/2 in x 1A	1

Cont.

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES



JR106

Fig 5 Chassis assembly (Continued)

JOLLY ROGER AMUSEMENT RIDES

Parts list - Chassis assembly

† Item not illustrated

Item No	Part No	Description	QTY
Cont.			
-	3000011	Chassis assembly, comprising:	-
26	2000001	Motor, 220/240 volts 50 Hz	1
-	2000000	Motor, 110 volts 60 Hz (alternative)	1
27	7000503	Bolt, M8 x 25	4
28	7600100	Washer, M8	4
29	7000204	Bolt, cap head, hexagon socket, M6 x 30	8
30	7700001	Nut, M6	2
31	7600001	Washer, M6 x 25 dia	6
32	7700000	Nut, M6, nyloc	2
33	2400006	Fuse, output, 12 volt T5A	1
34	2400004	Fuse main, T3.15A	1
-	2400007	Fuse main, T6.3A (alternative for 110-120V 60Hz)	1
35	2100011	Power supply unit	1
36	7700100	Nut, M8, Nyloc	4
37	7700200	Nut, M10, Nyloc	8
-	† 5120001	Castor, 2 inch	2
-	† 1110047	Bottom cover moulding	1
-	† 7000503	Bolt, hexagon head M8 x 25 c/w washers and nut	4
-	† 2200003	Mains lead	1

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES

Parts list - Coin collection assembly 4001 (standard)

† Item not illustrated

Item No	Part No	Description	QTY
-	4000006	Coin collection assembly comprising:	-
1	4100020	Housing	1
2	4100001	Cash box	1
3	4100021	Door	1
4	9300006	Lock complete with keys	2
5	2520008	Switch, pushbutton, round, START, green	1
-	† 2920008	Bulb, 2.2 watt, wedge	1
6	2520010	Microswitch	1
7	2500000	Microswitch, coin acceptor	1
8	4200008	Coin acceptor	1
9	9300004	Lock complete with keys	1
10	4200009	Plate, coin acceptor	1
11	2100009	Counter, coin impulse (fitted internally)	1
12	2520009	Switch, pushbutton, round,PRESS, red	1
-	† 2920008	Bulb, 2.2 watt, wedge	1
-	† 2520010	Microswitch	1
13	4200005	Coin acceptor, electronic assembly (optional) comprising:	1
-	† 4200006	Mechanism, electronic coin acceptor	1
-	† 4200007	Wiring loom, electronic coin acceptor	1
14	7200000	Screw, cap head, M4 x 20	4
15	2100012	Timer, System 4001	1
16	2100013	Nut, timer	2
-	† 2600000	Loudspeaker	1

Note: Refer to manufacturer when ordering items from this list.

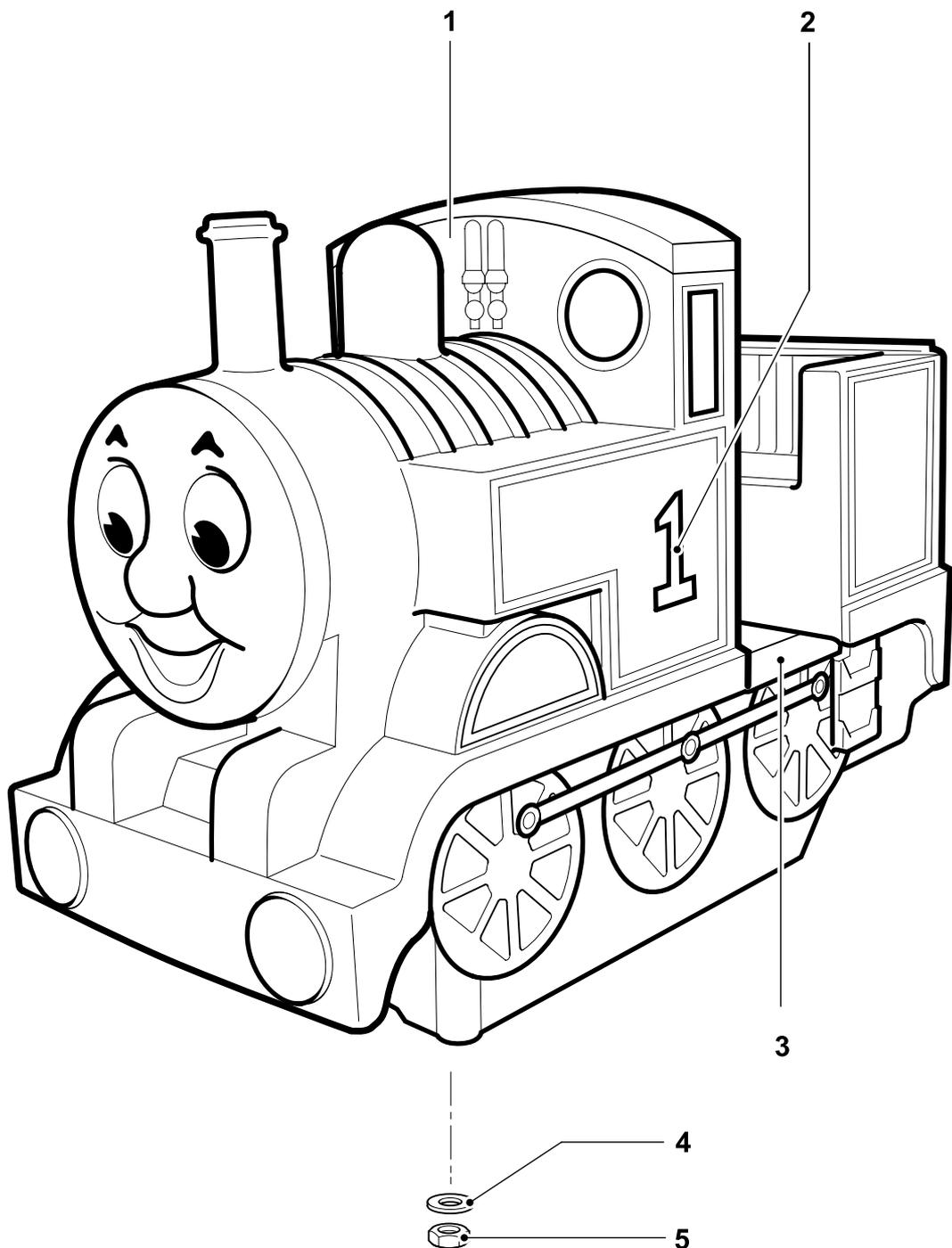


Fig 7 Body Shell Assembly

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Parts list - Body Shell Assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	1080072	Body shell assembly, comprising:	
1	1100072	Moulding, body	1
2	1700072	Decal set	1
3	1300075	Foot tread	1
4	7600200	Washer, M10	4
5	7700200	Nut, M10, Nyloc	4
	† CA027	Handle, chrome	1

Note: For Video ride equipment refer to Video Ride Equipment Handbook

Note: For coin acceptor and cash box details see coin collection assembly parts list

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with the BACTA Industry Standard, the HSE Fairgrounds and Amusement Parks A Code of Safe practice, the Health and Safety at Work Act 1974. (All applicable in the United Kingdom).

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with United States Standard ANSI/UL22 and Canadian C.S.A. Standard C22.2 No. 68.92 and in particular have carried out tests for Earth bonding and dielectric strength. The rides have also been tested and comply with requirements of FCC Part 15, Class A.

THIS CERTIFICATE DOES NOT EXONERATE THE OPERATOR FROM REGULAR CHECKING AND MAINTENANCE OF THE MACHINE TO WHICH IT APPLIES.

Jolly Roger (Amusement Rides) Ltd.
Heath Road,
Skegness Industrial Estate,
Skegness,
Lincolnshire,
PE25 3SU,
England.

Telephone (01754) 896800 Telefax (01754) 610066

E-mail: sales@jolly-roger.co.uk

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Heath Road,
Skegness Industrial Estate,
Skegness,
Lincolnshire,
PE25 3SU
England.

Telephone: + 44 (0)1754 896800
Fax: + 44 (0)1754 610066
E-mail: sales@jolly-roger.co.uk

EC DECLARATION OF CONFORMITY

(Revised 1st January 1997 and 1st September 2002)

Manufacturer: As above

Details of Electrical Equipment

Type No.: 2

Description: Coin-operated Childrens Ride

Directives this equipment complies with: Electrical Equipment (Safety) Regulations 1994, SI No3260 (Regulation 5. (1)).
Electromagnetic Compatability Directive 89/336/EEC
Low voltage directive 72/23/EEC (article 2) as amended by 93/68/EEC.

Harmonised standards applied in order to verify compliance with Directives: EN 50081-1:1992
EN 50082-1:1992
EN 60335-1:1994 inc. AMDS A11, A1, A12, A13, A14, A2, A15 and A16 - Safety of Household and Similar Electrical Appliance.
EN 55014-1: 1993 EN61000-3-2:1995 + A1: 1998 + A2: 1998
EN 61000-3-3: 1995 EN55014-2: 1997 Category 2
EN 60335-2-82: 2000 - Particular Requirements for Service Machines and Amusement Machines

Test Reported Issued by:	Notified / Competent Body	Report No.
D.J.Taylor	Intertek Testing Services	EM01005623 (A)
J.A.Bearpark	Inchcape Testing Services (U.K.) Ltd.	EM207110 Part A
T.Heathcote	Rowland Laboratories Ltd.	20584
A.Cuthbert	Intertek Testing Service	02007267/A

Year in which CE mark was affixed: 1996/7

Authorised Signatory:

Manufacturer

Date of Issue

1st November 2006



Name: Peter North
Position: Factory Manager

Place of Issue
Skegness, England

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**VIDEO RIDE EQUIPMENT
HANDBOOK**



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JOLLY ROGER (Amusement Rides) Ltd reserves the right to make changes, for the purpose of product improvement, at any time.

Jolly Roger (Amusement Rides) Ltd. Heath Road, Skegness Industrial Estate, Skegness, Lincolnshire, PE25 3SU, England.

Telephone: + 44 (0) 1754 896800

Fax: + 44 (0) 1754 610066

E-mail: sales@jolly-roger.co.uk

This handbook was prepared for Jolly Roger (Amusement Rides) Ltd
by
Lionbridge (UK) Ltd.,
Cophall Terrace,
Coventry,
United Kingdom
CV1 2FP

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

INTRODUCTION

Thank you for purchasing your new Kiddie Ride from Jolly Roger (Amusement Rides) Limited and we trust it will give many years of trouble-free profitable service.

Whilst this booklet has been produced primarily with our United Kingdom and European customers in mind, it will certainly be of benefit to other users worldwide.

Reference is made to the United Kingdom Health and Safety at Work Act - Code of Safe Practice at Fairs (which specifically includes coin operated Children's Rides), the Industry Standard for the construction, operation and use of coin-operated Children's Rides, and the EC Declaration of Conformity (CE Mark).

The Rides comply with United Kingdom and European Community regulations.

The rides are designed for intermittent use and the maximum anticipated duty cycle is 30 operations per hour.

The guidance given in this publication is relevant to the safe operation of children's rides wherever they may be operated.

WARNINGS & CAUTIONS

The international safety sign is used throughout this Handbook where specific safety precautions are detailed. The sign is positioned so that the precautions are readily identifiable.

WARNING



INTERNATIONAL SAFETY SIGN

WARNINGS

Warnings call attention to instructions, which must be followed precisely to avoid injury or death.

CAUTIONS

Cautions call attention to instructions, which must be followed precisely to avoid damaging the equipment.

JOLLY ROGER AMUSEMENT RIDES

HEALTH AND SAFETY - CODE OF SAFE PRACTICE AT FAIRS - INDUSTRY STANDARDS

(UNITED KINGDOM)

- 1.1 Our equipment has been manufactured to the highest standard of construction and safety in order to conform to the H.S.E. Fairground and Amusement Parks, A Code of Safe Practice and the U.K. Health and Safety at Work Act 1974.
- 1.2 This machine must be earthed. (CONNECTED TO GROUND)
- 1.3 If a 13 Amp BS1363 plug is fitted then a 5 amp fuse should be fitted. (UK only)
- 1.4 If the ride is to be situated outdoors, the socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a residual current circuit breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.
- 1.5 In addition to our manufacturer's test and the daily checks every ride shall be subject to a Thorough Examination by an appointed person once every period of 14 months. (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). The regulation applies in the UK only, however it is sound operating practice wherever a ride is operated.
- 1.6 The appointed person need not be independent, but should be at least 21 years old, registered under the Amusement Device Inspection Procedures Scheme (ADIPS) and be competent by such qualifications, knowledge, experience and supporting services to be able to make an assessment of the safety of the ride, including any associated equipment/parts e.g. electrical, hydraulic or pneumatic.
- 1.7 The appointed person should have the technical competence to recognise the significance of the effects of stresses, loadings and fatigue and also be competent to determine the extent of permissible wear.
- 1.8 The Thorough Examination is to be carried out by a registered body in accordance with the regulations laid down in the Health and Safety at Work Act 1974 (Fairgrounds and Amusements Parks-Guidance on Safe Practice, HSG 175). A Report of Inspection is to be completed after the Thorough Examination. (Applicable in UK only).
- 1.9 On completion of the Thorough Examination, a Declaration of Operational Compliance (DOC) certificate is to be issued which must be retained for a period of ten years and be available for inspection by the Health and Safety Inspectorate and/or the appropriate officer of the Environmental Health Department of a Local authority. (Applicable in UK only).

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



- 1.10 If considered necessary, further protection to the power supply may be afforded by conduit, trunking, or rubber protector strip with tapered edges and non-slip ribbed bases. Care is needed to avoid a tripping hazard.
- 1.11 The Kiddie Rides should be so sited that the length of cable between the ride and socket outlet is a minimum. For floor mounted socket outlets, the ride may be positioned so that there is virtually no exposed cable.
- 1.12 Galvanised steel braided armoured cable and flexible copper braided cable cannot be satisfactorily terminated in a 13 amp standard (BS 1363) plug. Such cables can be terminated in industrial type plugs BS 196 or BS 4343 or equivalent, but these require the special suitable sockets. (Applicable in UK only).

JOLLY ROGER AMUSEMENT RIDES

INSTALLATION

Siting

WARNING



IT IS NOT RECOMMENDED THAT THE RIDE BE SITED ON A PLINTH, PLATFORM OR ANY FORM OF MATTING. DOING THIS WILL INCREASE THE HEIGHT OF THE RIDE FROM THE GROUND AND MAY CAUSE INJURY FROM FALLING OR TRIPPING.

2.1 A common sense approach should be adopted when siting Kiddie Rides. The following items are an indication, but not exhaustive:

2.1.1 Position the Ride on a level surface.

2.1.2 Wherever practical make sure there is adequate clearance all round the Ride to minimise the risk of injury to the passengers or public. If possible, a 1 metre clearance around the ride is recommended.

2.1.3 **DO NOT** obstruct emergency exits.

2.1.4 **DO NOT** obstruct fire appliances, hydrants etc.

2.1.5 If sited outside:

The socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a Residual Current Circuit Breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.

DO NOT operate in adverse weather conditions.

NOTE

This ride is considered suitable for outdoor protected locations i.e. under a canopy, or cover and not in a position where the ride could be exposed to direct rain or snow, or other adverse weather conditions.

2.1.6 **DO NOT** locate the ride directly against the plug, which should remain accessible at all times

2.1.7 The ride is not suitable for installation or operation in an area where a water jet could be used

CAUTION

For safety reasons the electrical wiring is colour coded as follows:



2.1.8 For rides with 220-240 volt electrical supply, the wiring colour codes are:

Brown - live
Green/Yellow-earth
Blue – neutral.

2.1.9 For rides with 110-120 volt electrical supply, the wiring colour codes are:

Black - live
Green - earth
White – neutral.

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

INSTALLATION

Site d'installation

ATTENTION  **IL N'EST PAS RECOMMANDE DE CONDUIRE SUR UNE PENTE, RAMPE OU AUTRE AFIN DE NE PAS ELEVER LA HAUTEUR DU VEHICULE ET NE PAS CAUSER DE BLESSURES EN RAISON DE RENVERSEMENT OU D'ACCROCHAGE.**

2.1 Faites appel à votre bon sens quand vous choisissez le site d'installation des manèges pour enfants. Les points suivants sont donnés à titre indicatif mais ne sont pas exhaustifs:

2.1.1 Placer le manège sur une surface nivelée.

2.1.2 Dès lors que les conditions pratiques le permettent, s'assurer qu'il y a suffisamment d'espace tout autour du manège pour minimiser le risque de blessures pouvant être causées aux passagers ou au public. Si c'est possible, il est conseillé de laisser 1 mètre d'espace tout autour du manège.

2.1.3 **NE PAS** obstruer les sorties de secours.

2.1.4 **NE PAS** obstruer les bouches d'incendie et la voie de passage des voitures de pompiers.

2.1.5 Si le manège est situé à l'extérieur:

La fiche d'alimentation secteur devrait être branchée avec une prise mâle résistant aux intempéries et protégée en permanence par un disjoncteur de courant résiduel ou un disjoncteur différentiel ayant un taux de déclenchement ne dépassant pas 30 milliampères en 30 milli-secondes.

NE PAS faire fonctionner cette machine lors d'intempéries.

NOTE

On considère que ce manège est adapté à des endroits en plein air abrités, par exemple sous un toit, ou un abri et placé de sorte que le manège ne soit pas exposé directement à la pluie ou à la neige ou à d'autres intempéries.

2.1.6 **NE PAS** installer le manège directement contre la prise; cette dernière devrait toujours être accessible.

2.1.7 Il n'est pas convenable d'installer ou de faire marcher le manège dans un endroit où l'on pourrait utiliser des jets d'eau.

AVERTISSEMENT  **Pour des raisons de sécurité, le circuit électrique est repéré par couleurs comme indiqué ci-dessous:**

2.1.8. Pour les manèges alimentés en 220-240 volt, le circuit électrique est le suivant:

Marron : phase
Vert/Jaune : terre
Bleu : neutre.

2.1.9 Pour les manèges alimentés en 110-120 volt, le circuit électrique est le suivant:

Noir : phase
Vert : terre
Blanc : neutre.

ATTENTION  **TOUJOURS DEBRANCHER LA MACHINE DE L'ALIMENTATION SECTEUR AVANT D'EFFECTUER TOUTE REPARATION OU TOUTE VERIFICATION.**

JOLLY ROGER AMUSEMENT RIDES

OPERATION

General

3.1 A coin-operated Kiddie Ride should not be used unless a D.O.C. has been provided, indicating that the device is safe to operate (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). This regulation applies in the UK only.

JOLLY ROGER AMUSEMENT RIDES

MAINTENANCE

GENERAL

4.1 The rides do not require any periodic maintenance but, they should be checked regularly to make sure that they are in a safe condition for operation by the general public. In the unlikely event of the need to make adjustments or repairs to the machine, refer to the ride handbook.

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS, CARRY OUT ANY SERVICING OR MAINTENANCE.



Timer/video control unit

NOTE

The location of the timer/video control unit will vary dependent on the ride. Timer/video control unit ride locations are as follows:

- Fork lift truck with Video Option - under the ride seat, inside lockable access door.
- Thomas & Friends with Video Option - in the rear of the cash box compartment.
- Noddy with Video Option - in the rear of the cash box compartment.
- City Tour Bus with Video - in the rear of the cash box compartment.

4.2 To remove/refit the timer/video control unit proceed as follows:

4.2.1 Locate the timer/video control unit.

4.2.2 Remove the two nuts located at each side of the unit.

4.2.3 The timer/video control unit may now be removed by lifting it up to disconnect the plugs and sockets. The unit can now be removed through the access opening.

4.2.4 The mode of operation may now be altered by referring to the basic configuration, as printed on its enclosure, or by referring to the advanced configuration referred to at para 4.4.

4.2.5 Refit the unit by connecting the plugs and sockets to each other and positioning it on the two locator bolts and gently lowering it back into position.

4.2.6 Refit the two nuts each side of the unit and secure. Make sure there is a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

JOLLY ROGER AMUSEMENT RIDES

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS, CARRY OUT ANY SERVICING OR MAINTENANCE.

Video monitor

NOTE

The location position of the video monitor will vary dependent on the ride. The video monitor maybe position in the windscreen facing the ride seat, forward to the side of the ride seat or adacent to the ride seat - secured to the ride framework.

4.3 Locate the position of the video monitor on the ride framework. To remove/refit the video monitor proceed as follows:

- 4.3.1 Remove the monitor attachment fittings securing the monitor to the ride framework.
- 4.3.2 Disconnect the power input and video input connectors from the monitor and withdraw the monitor from the ride framework.
- 4.3.3 Refit the monitor by connecting the video input and power input connectors to the monitor.
- 4.3.4 Make sure there is a good connection between the video input and power input connectors. A poor connection could result in failure of the monitor. Locate the monitor into the ride framework.
- 4.3.5 Refit the monitor attachment fittings and secure the monitor to the ride framework.

Stamar “timer/video” Kiddie Ride controller configuration instructions

4.4 The “timer/video” programmable control unit has four externally accessible DIL switches, SW1, SW2, SW3 and SW4, which are used to select the most popular modes of operation.

NOTES

1. It is advisable to remove the timer/video control unit from the ride as this will assist viewing the switches and referring to these instructions. The timer/video control unit can be easily “unplugged” from the ride **AFTER POWER TO THE RIDE HAS BEEN SWITCHED OFF**. Refer to Para 4.2 for the timer/video control unit removal and refitting instructions.
2. All alterations to these switches should only be made after power to the ride has been turned off as this will avoid any unintentional damage to the control unit and/or the ride.

JOLLY ROGER AMUSEMENT RIDES

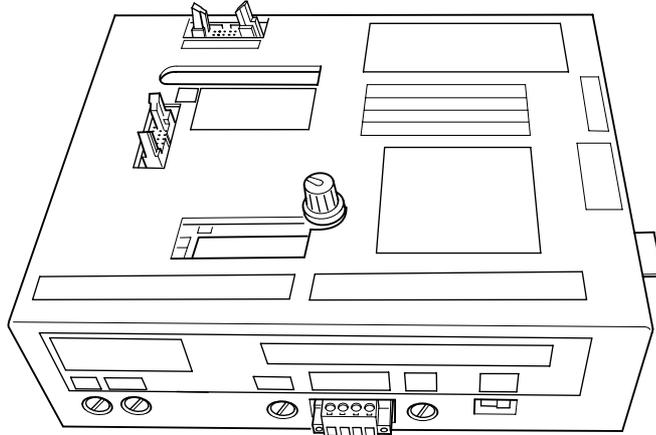


Fig 1 Timer Video Control Unit - JR 10

The JR 10 Timer/Video series of control units are used for video rides with a standard AC motor drive. They are used on - Video Scoop, Video Troy Tractor, early Video Tour Bus, etc. The System requires only 1 Part - the Video/Timer. The JR 10 control units are specific to each individual ride and therefore cannot be used on other types of ride.

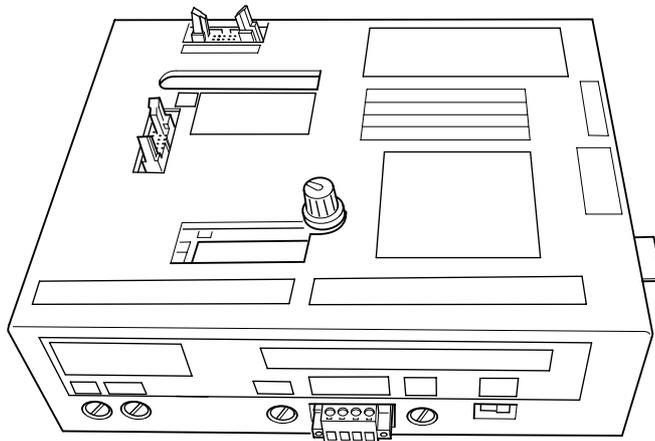


Fig 2 Timer Video Control Unit - JR 11

The JR 11 Timer/Video with Interactive Ram Motion series of controllers are used for video rides with interactive ram motion control. They are used on - Interactive Helicopter, I-Racer Bike and I-Con, the system incorporates 2 parts: Timer/Video and Ram Motion Controller. The JR 11 Timer/Video with Interactive Ram Motion controllers are specific to each individual ride and therefore cannot be used on other types of ride. It is also recommended that in the case of technical issues, both units are replaced as a matching pair and the suspect faulty units returned to Jolly Roger.

JOLLY ROGER AMUSEMENT RIDES

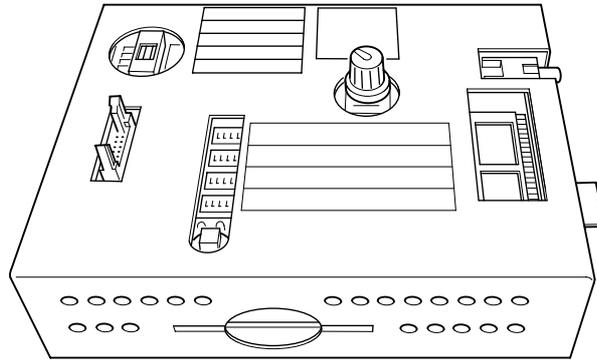


Fig 3 Plug n Play Video Timer - JR 13 - System 5000

The JR 13 System 5000 series of controllers are used for video rides with Interactive Ram Motion control. They are used on the WRC Rallycar. The system incorporates 3 parts: Video/Timer, Video PSU and Ram PSU. The Video PSU and the Ram PSU units are generic to all System 5000 Interactive rides. The System 5000 Plug-In Video/Timer can be used on any System 5000 series rides by simply changing the Video Flash Card and the Sound Eprom.

Note: This does not apply to the WRC Rallycar Video/Timer.

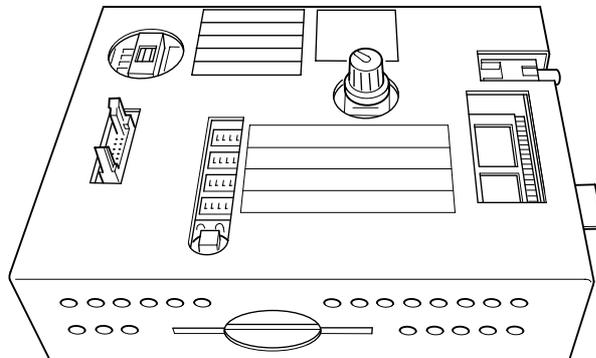


Fig 4 Plug n Play Video Timer - JR 17 - System 6000

The JR 17 System 6000 series of controllers are used for video rides with a standard AC motor. They are used on: Video Thomas Train, Video Noddy Car, City Tour Bus, etc. The system incorporates 2 parts: Video/Timer and Video PSU. The Video PSU units are generic to all System 6000 rides. The System 6000 Plug-In Video/Timer can be used on any System 6000 series rides by simply changing the Video Flash Card and the Sound Eprom.

JOLLY ROGER AMUSEMENT RIDES

SW1 - Sets the price of play value or credit program options.

4.5 The SW1 switch is used to set price at play value or credit program options.

NOTES

1. The setting for **either** “price of play” **or** “credits” on SW1 as shown below are selected using **SW3/S4** as shown in SW3 settings below.

i.e. SW3/S4 must be set to On if “Price of Play” options are required.

SW3/S4 must be set to Off if “Credit Programs” are required.

2. The **Price of Play** refers to multiples of the **Base Coinage** that the coin mechanism has been programmed to accept:

- UK Mechanism. The mechanism is programmed for a 10p base and gives play values from 10p (1 coin) to £1.50 (15 coin).
- USA Mechanism. The mechanism is programmed for a 25c base and gives play values from 25c (1 coin) to \$3.75 (15 coin).
- Euro Mechanism. The mechanism is programmed for a 10c base and gives play values from 10c (1 coin) to 1.50 (15 coin).

JOLLY ROGER AMUSEMENT RIDES

NOTE

In the following table the **Price of Play/Base Coinage Selection** - 15 Coin will be added and available to the the user from late 2004.

SW1

S1	S2	S3	S4	Price Of Play Selected	Or	Pre - Programmed Credit Options Available				
on	off	off	off	1 Coin	Or	30 P 1 RIDE	50 P 2 RIDES	£1 5 RIDES		
off	on	off	off	2 Coin	Or	20 P 1 RIDE	50 P 3 RIDES			
on	on	off	off	3 Coin	Or	40 P 1 RIDE	£1 3 RIDES			
off	off	on	off	4 Coin	Or	50 P 1 RIDE	£1 3 RIDES	£2 6 RIDES		
on	off	on	off	5 Coin	Or	60 P 1 RIDE	£1 2 RIDES	£2 5 RIDES		
off	on	on	off	6 Coin	Or	10 P 1 RIDE	30 P 4 RIDES			
on	on	on	off	7 Coin	Or	£1 1 RIDE	£2 3 RIDES			
off	off	off	on	8 Coin	Or	£2 1 RIDE				
on	off	off	on	9 Coin	Or	20 P 1 RIDE	40 P 3 RIDES			
off	on	off	on	10 Coin	Or	10 P 1 RIDE	20 P 3 RIDES			
on	on	off	on	11 Coin	Or	60p 1 RIDE	£1 2 RIDES	£2 4 RIDES		
off	off	on	on	12 Coin	Or	70p 1 RIDE	£1 2 RIDES	£2 4 RIDES		
on	off	on	on	13 Coin	Or					
off	on	on	on	14 Coin	Or	Free Play For Exhibition Or Test Use				
on	on	on	on		Or					
off	off	off	off							

JOLLY ROGER AMUSEMENT RIDES

SW2 - Ride time

4.6 SW2 is used to set the ride time. The ride time can be set from 30 seconds to 120 seconds in 15 second increments or to run for as long as the main background soundtrack. Other ride times are available on request.

SW2

Ride Time	S1	S2	S3	S4
30 secs	off	off	off	Off
45 secs	on	off	off	Off
60 secs	off	on	off	Off
75 secs	on	on	off	Off
90 secs	off	off	on	Off
105 secs	on	off	on	Off
120 secs	off	on	on	Off
Ride time set to soundtrack	on	on	on	Off

NOTE

S4 is used for a diagnostic test sequence during manufacture and under normal operating conditions is not used and must be set to the **OFF** position.

SW3 - Additional ride features

4.7 SW3 selects additional ride features.

SW3

	S1	S2	S3	S4
Prompt phrases On/Off	On/Off	x	x	x
Attract sounds On/Off	x	On/Off	x	x
Count no. of Rides	x	x	On	x
Count No. of Coins (coin mech. Base coin value)	x	x	Off	x
Select Price of Play options	x	x	x	On
Select Credit Program options	x	x	x	Off

JOLLY ROGER AMUSEMENT RIDES

SW 4 - Important setting instructions

WARNING



TO PREVENT DAMAGE OCCURRING TO THE RIDE - SW4 MUST ONLY BE SET AS SHOWN IN THE FOLLOWING TABLE. FAILURE TO OBEY THIS WARNING WILL MAKE THE RIDE INOPERABLE.

4.8 SW4 under normal operating conditions is not to be used and must only be set as shown in the following table:

SW4

	S1	S2	S3	S4
Ride is fitted with standard AC motor	Off	x	x	x

Fuses

4.9 All fuses are “anti-surge” rated, they are located in the bottom of the timer/video control unit. Never replace fuses with a higher value than recommended. The following table shows the fuse values applicable to the timer/video ride:

Fusing values - Timer/video system

Timer/Flasher fuse	3.15A
Video fuse	1A
Screen fuse	3.15A
Main fuse - 240v	3.15A
Main fuse - 110v	6.3A

Volume adjustment

4.10 The volume adjuster is located on the front of the video/timer control unit. To gain access to the volume adjuster unlock and open the lockable access door - located under the ride seat or in the back of the ride. Rotate the volume adjuster - clockwise or counter-clockwise to obtain the required volume.

Top roof light installation

4.11 The top roof light installation is fitted with a 24 Volt, 10 Watt bulb, refer to the video equipment parts list to order spare bulbs.

JOLLY ROGER AMUSEMENT RIDES

SPARE PARTS

1. The machine serial number (if given) on the reference plate must always be quoted.
2. Quote the full part number and description as set out in the list.
3. State precisely how parts are to be despatched.
Home: By post, carrier or road transport.
Overseas: By sea freight, airmail or air freight.
4. Keep orders separate from other correspondence.
5. Foreign orders must be sent through our accredited agent, an established London House, or accompanied by a remittance.
6. Replacement parts which are not of genuine Jolly Roger supply, cannot be relied upon to be to the correct specification, material or workmanship. Jolly Roger therefore cannot be expected to extend their Warranty to Kiddies Rides which have been fitted with parts which Jolly Roger has not supplied.
7. Jolly Roger reserve the right to make changes or improvements in the construction or specification of their products at any time.

Conditions of Business

1. Particulars given in this list are subject to withdrawal and alteration without notice.
2. All quotations are subject to confirmation before acceptance of order.
3. All goods are supplied on the conditions that Jolly Roger shall not be liable for any direct or consequential damage arising from delay in delivery or from defective material, other than is covered by our usual form of guarantee.
4. Whilst every effort is made to ensure the accuracy of the particulars contained in this book, modifications and specification changes to the Kiddies Ride are on-going. These may affect the information specified. No responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of information in this book not being in accord with modifications or Kiddies Ride specification changes which are subsequent to the date of this book. Also, no responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of any misinterpretation of the information specified in this parts book.

JOLLY ROGER AMUSEMENT RIDES

Parts list - Video ride equipment

† Item not illustrated

Item No.	Part No.	Description	QTY
-	JR 10	Timer Video Control Unit	1
-	JR 11	Timer Video Control Unit	1
-	† JR 12	Ram Motion Control Unit	1
-	JR 13	Plug n Play Video Timer- System 5000)	1
-	† JR 14	Power Supply Unit - (System 5000 - 17) (17 inch screen)	1
-	† JR 15	Power Supply Unit - (System 5000 - 7) (7 inch screen)	1
-	† JR 16	Ram Motion Power Supply Unit - System 5000	1
-	JR 17	Plug n Play Video Timer - System 6000)	1
-	† JR 18	Power Supply Unit - (System 6000 - 7) (7 inch screen)	1
-	† JR 18	Power Supply Unit - (System 6000 - 17) (17 inch screen)	1
-	† JR 19	Plug n Play Video Timer (System 4001)	1
-	† JR 20	Power Supply Unit - 50W (System 4001)	1
-	† JR 21	Power Supply Unit - Video (17 inch screen)	1
-	† 2900520	S. Video lead	1
-	† 2900522	Extended electronic mech. lead	1
-	† 2900523	Power supply 120VA transformer	1
-	† 2900524	Power supply PCB assembly	1
-	† 2900525	Timer video PCB assembly	1
-	† 2900526	12v cooling fan	1
-	† 2920008	Bulb 24 Volt , 10 Watts (top roof light)	1

Note: Refer to manufacturer when ordering items from this list

JOLLY ROGER AMUSEMENT RIDES

We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with the BACTA Industry Standard, the HSE Fairgrounds and Amusement Parks A Code of Safe practice, the Health and Safety at Work Act 1974. (All applicable in the United Kingdom).

THIS CERTIFICATE DOES NOT EXONERATE THE OPERATOR FROM REGULAR CHECKING AND MAINTENANCE OF THE MACHINE TO WHICH IT APPLIES.

Jolly Roger (Amusement Rides) Ltd.
Heath Road,
Skegness Industrial Estate,
Skegness,
Lincolnshire,
PE25 3SU,
England.

Telephone (01754) 896800 Telefax (01754) 610066

E-mail: sales@jolly-roger.co.uk

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Jolly Roger (Amusement Rides) Ltd.

Heath Road,
Skegness Industrial Estate,
Skegness,
Lincolnshire,
PE25 3SU
England.

Telephone: + 44 (0)1754 896800
Fax: + 44 (0)1754 610066
E-mail: sales@jolly-roger.co.uk

EC DECLARATION OF CONFORMITY
(Revised 1st January 1997 and 1st September 2002)

Manufacturer: As above

Details of Electrical Equipment

Type No.: 2

Description: Coin-operated Childrens Ride

Directives this equipment complies with: Electrical Equipment (Safety) Regulations 1994, SI No3260 (Regulation 5. (1)).
Electromagnetic Compatability Directive 89/336/EEC
Low voltage directive 72/23/EEC (article 2) as amended by 93/68/EEC.

Harmonised standards applied in order to verify compliance with Directives: EN 50081-1:1992
EN 50082-1:1992
EN 60335-1:1994 inc. AMDS A11, A1, A12, A13, A14, A2, A15 and A16 - Safety of Household and Similar Electrical Appliance.
EN 55014-1: 1993 EN61000-3-2:1995 + A1: 1998 + A2: 1998
EN 61000-3-3: 1995 EN55014-2: 1997 Category 2
EN 60335-2-82: 2000 - Particular Requirements for Service Machines and Amusement Machines

Year in which CE mark was affixed: 2004

Authorised Signatory:

Manufacturer

Date of Issue



1st November 2006

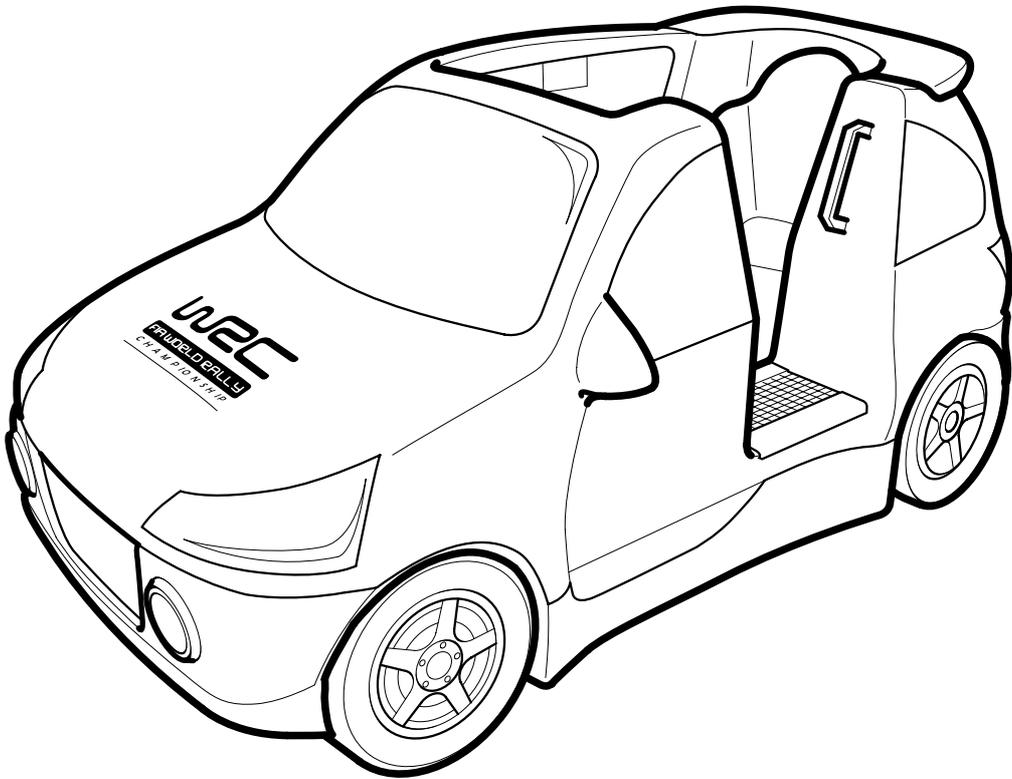
Name: Peter North

Place of Issue

Position: Factory Manager

Skegness, England

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**WORLD RALLY CAR INTERACTIVE
VIDEO SIMULATOR HANDBOOK**



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Jolly Roger (Amusement Rides) Ltd. Heath Road, Skegness Industrial Estate, Skegness, Lincolnshire, PE25 3SU, England.

Telephone: + 44 (0) 1754 896800

Fax: + 44 (0) 1754 610066

E-mail: sales@jolly-roger.co.uk

This handbook was prepared for Jolly Roger (Amusement Rides) Ltd
by
Lionbridge (UK) Ltd.,
Cophall Terrace,
Coventry,
United Kingdom
CV1 2FP

JOLLY ROGER AMUSEMENT RIDES

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JOLLY ROGER AMUSEMENT RIDES

INTRODUCTION

Thank you for purchasing your new Kiddie Ride from Jolly Roger (Amusement Rides) Limited and we trust it will give many years of trouble-free profitable service.

Whilst this booklet has been produced primarily with our United Kingdom and European customers in mind, it will certainly be of benefit to other users worldwide.

Reference is made to the United Kingdom Health and Safety at Work Act - Code of Safe Practice at Fairs (which specifically includes coin operated Children's Rides), the Industry Standard for the construction, operation and use of coin-operated Children's Rides, and the EC Declaration of Conformity (CE Mark).

The Rides comply with United Kingdom and European Community regulations.

The rides are designed for intermittent use and the maximum anticipated duty cycle is 30 operations per hour.

The guidance given in this publication is relevant to the safe operation of children's rides wherever they may be operated.

WARNINGS & CAUTIONS

The international safety sign is used throughout this Handbook where specific safety precautions are detailed. The sign is positioned so that the precautions are readily identifiable.

INTERNATIONAL SAFETY SIGN

WARNING



WARNINGS

Warnings call attention to instructions, which must be followed precisely to avoid injury or death.

CAUTIONS

Cautions call attention to instructions, which must be followed precisely to avoid damaging the equipment.

JOLLY ROGER AMUSEMENT RIDES

HEALTH AND SAFETY - CODE OF SAFE PRACTICE AT FAIRS - INDUSTRY STANDARDS

(UNITED KINGDOM)

- 1.1 Our equipment has been manufactured to the highest standard of construction and safety in order to conform to the H.S.E. Fairground and Amusement Parks, A Code of Safe Practice and the U.K. Health and Safety at Work Act 1974.
- 1.2 This machine must be earthed. (CONNECTED TO GROUND)
- 1.3 If a 13 Amp BS1363 plug is fitted then a 5 amp fuse should be fitted. (UK only)
- 1.4 If the ride is to be situated outdoors, the socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a residual current circuit breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 milliseconds.
- 1.5 In addition to our manufacturer's test and the daily checks every ride shall be subject to a Thorough Examination by an appointed person once every period of 14 months. (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). The regulation applies in the UK only, however it is sound operating practice wherever a ride is operated.
- 1.6 The appointed person need not be independent, but should be at least 21 years old, registered under the Amusement Device Inspection Procedures Scheme (ADIPS) and be competent by such qualifications, knowledge, experience and supporting services to be able to make an assessment of the safety of the ride, including any associated equipment/parts e.g. electrical, hydraulic or pneumatic.
- 1.7 The appointed person should have the technical competence to recognise the significance of the effects of stresses, loadings and fatigue and also be competent to determine the extent of permissible wear.
- 1.8 The Thorough Examination is to be carried out by a registered body in accordance with the regulations laid down in the Health and Safety at Work Act 1974 (Fairgrounds and Amusements Parks-Guidance on Safe Practice, HSG 175). A Report of Inspection is to be completed after the Thorough Examination. (Applicable in UK only).
- 1.9 On completion of the Thorough Examination, a Declaration of Operational Compliance (DOC) certificate is to be issued which must be retained for a period of ten years and be available for inspection by the Health and Safety Inspectorate and/or the appropriate officer of the Environmental Health Department of a Local authority. (Applicable in UK only).

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.



- 1.10 If considered necessary, further protection to the power supply may be afforded by conduit, trunking, or rubber protector strip with tapered edges and non-slip ribbed bases. Care is needed to avoid a tripping hazard.
- 1.11 The Kiddie Rides should be so sited that the length of cable between the ride and socket outlet is a minimum. For floor mounted socket outlets, the ride may be positioned so that there is virtually no exposed cable.
- 1.12 Galvanised steel braided armoured cable and flexible copper braided cable cannot be satisfactorily terminated in a 13 amp standard (BS 1363) plug. Such cables can be terminated in industrial type plugs BS 196 or BS 4343 or equivalent, but these require the special suitable sockets. (Applicable in UK only).

JOLLY ROGER AMUSEMENT RIDES

INSTALLATION

Siting

WARNING



IT IS NOT RECOMMENDED THAT THE RIDE BE SITED ON A PLINTH, PLATFORM OR ANY FORM OF MATTING. DOING THIS WILL INCREASE THE HEIGHT OF THE RIDE FROM THE GROUND AND MAY CAUSE INJURY FROM FALLING OR TRIPPING.

2.1 A common sense approach should be adopted when siting Kiddie Rides. The following items are an indication, but not exhaustive:

2.1.1 Position the Ride on a level surface.

2.1.2 Wherever practical make sure there is adequate clearance all round the Ride to minimise the risk of injury to the passengers or public. If possible, a 1 metre clearance around the ride is recommended.

2.1.3 **DO NOT** obstruct emergency exits.

2.1.4 **DO NOT** obstruct fire appliances, hydrants etc.

2.1.5 If sited outside:

The socket outlet supplying the power should be connected by a permanent weatherproof plug protected by a Residual Current Circuit Breaker (RCCB) or an Earth Leakage Circuit Breaker (ELCB) having a trip rating not exceeding 30 milliamps in 30 millisecs.

DO NOT operate in adverse weather conditions.

NOTE

This ride is considered suitable for outdoor protected locations i.e. under a canopy, or cover and not in a position where the ride could be exposed to direct rain or snow, or other adverse weather conditions.

2.1.6 **DO NOT** locate the ride directly against the plug, which should remain accessible at all times

2.1.7 The ride is not suitable for installation or operation in an area where a water jet could be used

CAUTION

For safety reasons the electrical wiring is colour coded as follows:



2.1.8 For rides with 220-240 volt electrical supply, the wiring colour codes are:

Brown - live
Green/Yellow-earth
Blue – neutral.

2.1.9 For rides with 110-120 volt electrical supply, the wiring colour codes are:

Black - live
Green - earth
White – neutral.

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE CARRYING OUT ANY SERVICE OR REPAIR.

INSTALLATION

Site d'installation

ATTENTION  **IL N'EST PAS RECOMMANDE DE CONDUIRE SUR UNE PENTE, RAMPE OU AUTRE AFIN DE NE PAS ELEVER LA HAUTEUR DU VEHICULE ET NE PAS CAUSER DE BLESSURES EN RAISON DE RENVERSEMENT OU D'ACCROCHAGE.**

2.1 Faites appel à votre bon sens quand vous choisissez le site d'installation des manèges pour enfants. Les points suivants sont donnés à titre indicatif mais ne sont pas exhaustifs:

2.1.1 Placer le manège sur une surface nivelée.

2.1.2 Dès lors que les conditions pratiques le permettent, s'assurer qu'il y a suffisamment d'espace tout autour du manège pour minimiser le risque de blessures pouvant être causées aux passagers ou au public. Si c'est possible, il est conseillé de laisser 1 mètre d'espace tout autour du manège.

2.1.3 **NE PAS** obstruer les sorties de secours.

2.1.4 **NE PAS** obstruer les bouches d'incendie et la voie de passage des voitures de pompiers.

2.1.5 Si le manège est situé à l'extérieur:

La fiche d'alimentation secteur devrait être branchée avec une prise mâle résistant aux intempéries et protégée en permanence par un disjoncteur de courant résiduel ou un disjoncteur différentiel ayant un taux de déclenchement ne dépassant pas 30 milliampères en 30 milli-secondes.

NE PAS faire fonctionner cette machine lors d'intempéries.

NOTE

On considère que ce manège est adapté à des endroits en plein air abrités, par exemple sous un toit, ou un abri et placé de sorte que le manège ne soit pas exposé directement à la pluie ou à la neige ou à d'autres intempéries.

2.1.6 **NE PAS** installer le manège directement contre la prise; cette dernière devrait toujours être accessible.

2.1.7 Il n'est pas convenable d'installer ou de faire marcher le manège dans un endroit où l'on pourrait utiliser des jets d'eau.

AVERTISSEMENT  **Pour des raisons de sécurité, le circuit électrique est repéré par couleurs comme indiqué ci-dessous:**

2.1.8. Pour les manèges alimentés en 220-240 volt, le circuit électrique est le suivant:

Marron : phase
Vert/Jaune : terre
Bleu : neutre.

2.1.9 Pour les manèges alimentés en 110-120 volt, le circuit électrique est le suivant:

Noir : phase
Vert : terre
Blanc : neutre.

ATTENTION



TOUJOURS DEBRANCHER LA MACHINE DE L'ALIMENTATION SECTEUR AVANT D'EFFECTUER TOUTE REPARATION OU TOUTE VERIFICATION.

JOLLY ROGER AMUSEMENT RIDES

OPERATION

General

3.1 A coin-operated Kiddie Ride should not be used unless a D.O.C. has been provided, indicating that the device is safe to operate (UK Health and Safety at Work Act - Code of Safe Practice at Fairs). This regulation applies in the UK only.

JOLLY ROGER AMUSEMENT RIDES

MAINTENANCE

GENERAL

4.1 The rides do not require any periodic maintenance but, they should be checked regularly to make sure that they are in a safe condition for operation by the general public. In the unlikely event of the need to make adjustments or repairs to the machine, the following procedures are recommended.

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS, CARRY OUT ANY SERVICING OR MAINTENANCE.



Interactive timer/video programmable control unit

4.2 The interactive timer/video programmable control unit, which operates at 12 volts, is located at the back of the coin acceptor compartment. To remove/refit the control unit proceed as follows:

4.2.1 Remove the coin acceptor (para 4.4 or 4.5).

4.2.2 Remove the two thumb nuts located at each end of the unit.

4.2.3 The control unit may now be removed by pulling it forwards to disconnect the plugs and sockets and withdrawing it through the coin acceptor aperture in the cash box assembly.

4.2.4 The mode of operation may now be altered by referring to the basic configuration, as printed on its enclosure, or by referring to the advanced configuration referred to at para 4.8.

4.2.5 Refit the unit by positioning it on the two locator bolts and gently pushing it back into place, ensuring that the plugs and sockets connect to each other.

4.2.6 Refit the two thumb nuts to ensure a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

WARNING



ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS, CARRY OUT ANY SERVICING OR MAINTENANCE.

Ram drive control unit

4.3 The ram drive control unit is located, on the chassis structure underneath the ride. To gain access to the control unit position the ride on its side. To remove/refit the ram drive control unit proceed as follows:

4.3.1 Position the ride on its side and locate the ram drive control unit installed across the chassis.

4.3.2 Remove the two nuts located at each side of the unit.

4.3.3 The ram drive control unit may now be removed by lifting it up to disconnect the plugs and sockets.

4.3.4 Refit the unit by connecting the plugs and sockets to each other and positioning it on the two locator bolts and gently lowering it back into position.

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4.3.5 Refit the two nuts each side of the unit and secure. Make sure there is a good connection between the plugs and sockets. A poor connection could result in failure of the unit.

4.3.6 Position the ride in its normal upright position.

Coin acceptor (mechanical)

4.4 To remove/refit the coin acceptor proceed as follows:

4.4.1 Remove the coin acceptor by turning the lock situated on the faceplate - the coin acceptor can now be removed from the machine and the wires pulled off the coin acceptor microswitch if desired.

NOTE

Make sure that the wires are reconnected on the correct terminals (C and NO).

4.4.2 To remove litter from the coin acceptor, slide off the spring clip on the top of the mechanism and remove side plate, then remove any litter or obstruction.

4.4.3 Refit the coin acceptor in reverse order to removal, make sure that the pins on the main coin acceptor body locate in the dimples on the side plate.

4.4.4 Adjusting screws for coin diameter and thickness are also located on the side plate, these are factory set and should not normally require alteration.

Coin acceptor (electronic) MARS

4.5 To remove/refit the coin acceptor proceed as follows:

4.5.1 Remove the coin acceptor by turning the lock situated on the faceplate and disconnect the cable plug from the printed circuit board on the mechanism - the coin acceptor can now be removed from the machine.

4.5.2 To remove litter from the coin acceptor, pull the hinged side plate sideways and remove any litter or obstruction. Release hinged side plate.

4.5.3 Refit the coin acceptor in reverse order to removal, make sure that the cable plug is reconnected to the printed circuit board on the mechanism.

WARNING NEVER REMOVE OR REPLACE AN ELECTRONIC MECHANISM WITH THE POWER SUPPLY SWITCHED ON.



Electronic coin mechanism MARS - switch positions

4.6 To inhibit coins:

With machine switched on:

4.6.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = ON.

4.6.2 Press reject button within 20 seconds of setting slide switches.

4.6.3 Insert all coins to be inhibited.

4.6.4 Press reject button within 20 seconds of inserting coins. Inhibited coins should now be rejected.

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4.7 To re-enable inhibited coins:

With machine switched on:

4.7.1 Set slide switches as follows, 1 = ON, 2 = ON, 3 = OFF, 4 = OFF.

4.7.2 Press reject button within 20 seconds of setting slide switches.

4.7.3 Insert all coins to be re-enabled.

4.7.4 Press reject button within 20 seconds of inserting coins. Previously inhibited coins should now be accepted.

NOTE

Mechanism must be powered up before changing switch positions. Switch positions must be moved prior to attempting either of the above.

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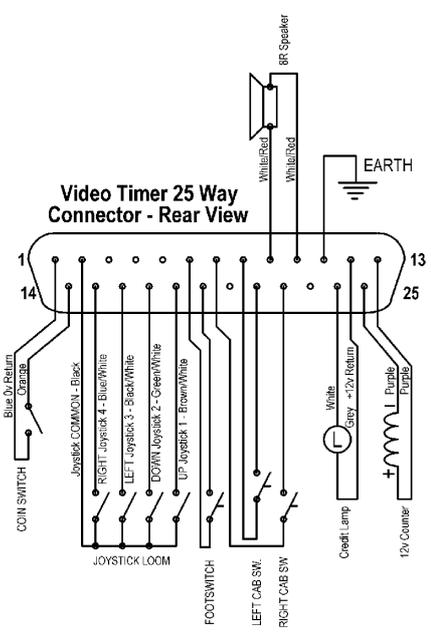
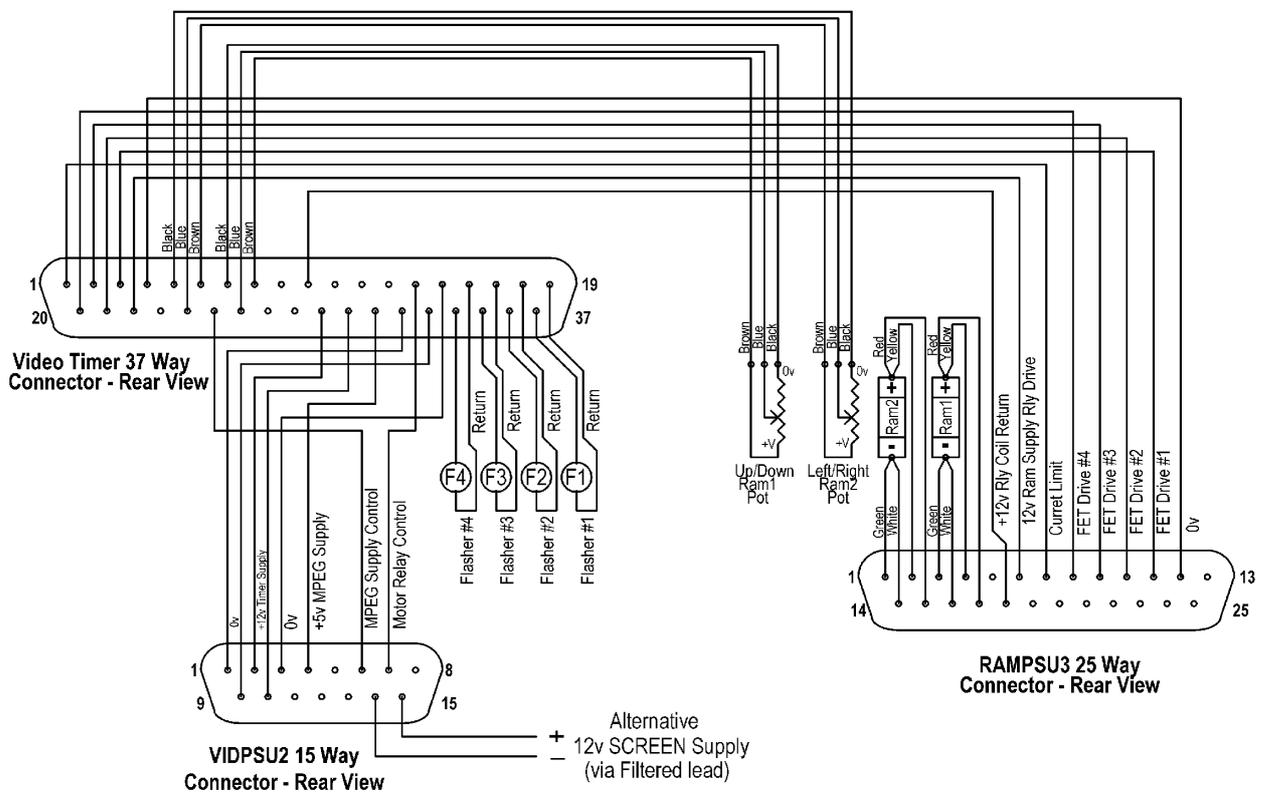


Fig 1 Video and ram Plug & Play controller wiring

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Stamar interactive timer/video programmable kiddie ride controller configuration instructions

4.8 The “interactive timer/video programmable control unit has four externally accessible DIL switches, SW1, SW2, SW3 and SW4, which are used to select the most popular modes of operation.

NOTES

1. It is advisable to remove the control unit from the ride as this will assist viewing the switches and referring to these instructions. The control unit can be easily “unplugged” from the ride **AFTER POWER TO THE RIDE HAS BEEN SWITCHED OFF** and the two mounting attachments have been removed.
2. All alterations to these switches should only be made after power to the ride has been turned off as this will avoid any unintentional damage to the control unit and/or the ride.

SW1 - Sets the price of play value or credit program options.

4.9 The SW1 switch is used to set price at play value or credit program options.

NOTES

1. The setting for **either** “price of play” **or** “credits” on SW1 as shown below are selected using **SW3/S4** as shown in SW3 settings below.

i.e. SW3/S4 must be set to On if “Price of Play” options are required.

SW3/S4 must be set to Off if “Credit Programs” are required.

2. The **Price of Play** refers to multiples of the **Base Coinage** that the coin mechanism has been programmed to accept:

- UK Mechanism. The mechanism is programmed for a 10p base and gives play values from 10p (1 coin) to £1.50 (15 coin).
- USA Mechanism. The mechanism is programmed for a 25c base and gives play values from 25c (1 coin) to \$3.75 (15 coin).
- Euro Mechanism. The mechanism is programmed for a 10c base and gives play values from 10c (1 coin) to 1.50 (15 coin).

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NOTE

In the following table the **Price of Play/Base Coinage Selection** - 15 Coin will be added and available to the the user from late 2004.

SW1

S1	S2	S3	S4	Price Of Play Selected	Or	Pre - Programmed Credit Options Available
on	off	off	off	1 Coin	Or	30 P 1 RIDE 50 P 2 RIDES £1 5 RIDES
off	on	off	off	2 Coin	Or	20 P 1 RIDE 50 P 3 RIDES
on	on	off	off	3 Coin	Or	40 P 1 RIDE £1 3 RIDES
off	off	on	off	4 Coin	Or	50 P 1 RIDE £1 £2 3 RIDES 6 RIDES
on	off	on	off	5 Coin	Or	60 P 1 RIDE £1 £2 2 RIDES 5 RIDES
off	on	on	off	6 Coin	Or	10 P 1 RIDE 30 P 4 RIDES
on	on	on	off	7 Coin	Or	£1 1 RIDE £2 3 RIDES
off	off	off	on	8 Coin	Or	£2 1 RIDE
on	off	off	on	9 Coin	Or	20 P 1 RIDE 40 P 3 RIDES
off	on	off	on	10 Coin	Or	10 P 1 RIDE 20 P 3 RIDES
on	on	off	on	11 Coin	Or	60p 1 RIDE £1 £2 2 RIDES 4 RIDES
off	off	on	on	12 Coin	Or	70p 1 RIDE £1 £2 2 RIDES 4 RIDES
on	off	on	on	13 Coin	Or	
off	on	on	on	14 Coin	Or	Free Play For Exhibition Or Test Use
on	on	on	on		Or	
off	off	off	off			

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SW2 - Ride time

4.10 SW2 is used to set the ride time. The ride time can be set from 30 seconds to 120 seconds in 15 second increments or to run for as long as the main background soundtrack.

SW2

Ride Time	S1	S2	S3	S4
30 secs	off	off	off	OFF
45 secs	on	off	off	OFF
60 secs	off	on	off	OFF
75 secs	on	on	off	OFF
90 secs	off	off	on	OFF
105 secs	on	off	on	OFF
120 secs	off	on	on	OFF
Ride time set to soundtrack	on	on	on	OFF

NOTE

S4 is used for a diagnostic test sequence during manufacture and under normal operating conditions is not used and must be set to the **OFF** position.

SW3 - Additional ride features

4.11 SW3 selects additional ride features and should be set as shown in the following table:

SW3

	S1	S2	S3	S4
Prompt phrases On/Off	On/Off	x	x	x
Attract sounds On/Off	x	On/Off	x	x
Count no. of Rides	x	x	On	x
Count No. of Coins (coin mech. Base coin value)	x	x	Off	x
Select <i>Price of Play</i> options	x	x	x	On
Select <i>Credit Program</i> options	x	x	x	Off

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SW 4 - Ram control options

WARNING  **TO PREVENT DAMAGE OCCURRING TO THE RIDE - SW4 MUST ONLY BE SET AS SHOWN IN THE FOLLOWING TABLE. FAILURE TO OBEY THIS WARNING WILL MAKE THE RIDE INOPERABLE.**

4.12 SW4 selects additional ram control options and should be set as shown in the following table:

SW4

	S1	S2	S3	S4
Ride is fitted with standard AC motor	Off	x	x	x
Ride is fitted with DC ram actuators	On	x	x	x
Level ride calibration mode	x	x	x	On

Level Ride Calibration Sequence

4.13 The level ride calibration sequence can be used to fine tune the rides level position if new rams are fitted, a new interactive ram unit is fitted or if for any other reason the ride is not powering up in a level condition.

- 4.13.1 Turn the ride OFF.
- 4.13.2 Set SW4/S4 to the ON position.
- 4.13.3 Turn the ride ON.
- 4.13.4 Follow the on-screen instructions.
- 4.13.5 Turn the ride OFF.
- 4.13.6 Set SW4/S4 to the OFF position.
- 4.13.7 Turn the ride ON.

Fuses

4.14 All fuses are “anti-surge” rated, they are located in the front face of the timer/video control unit and the ram drive control unit. Never replace fuses with a higher value than recommended. The following tables shows the fuse values applicable to the interactive ride:

Fusing values - Timer/Video system

Timer/Flasher fuse	3.15A
Video fuse	1A
Screen fuse	3.15A
Main fuse - 240v	3.15A
Main fuse - 110v	6.3A

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Fusing values - Ram drive system

Up/Down ram fuse	3.15A
Ram control fuse	1A
Left/Right ram fuse	3.15A
Main fuse - 240v	3.15A
Main fuse - 110v	6.3A

Volume adjustment

4.15 The volume adjuster is located on the front of the video/timer control unit. To gain access to the volume adjuster position the ride on its side and locate the front of the video/timer control unit installed across the chassis structure. Rotate the volume adjuster - clockwise or counter-clockwise to obtain the required volume.

Video monitor

4.16 The video monitor (protected by a toughened clear glass screen) is located in the windscreen framework facing the ride seat. To remove/refit the video monitor proceed as follows:

NOTE

When removing and refitting the video monitor take care when handling the toughened clear glass protective screen.

4.16.1 Remove the monitor attachment fittings securing the monitor to the windscreen framework.

4.16.2 Disconnect the power input and video input connectors from the monitor and withdraw the monitor from the windscreen framework.

4.16.3 Refit the monitor by connecting the video input and power input connectors to the monitor.

4.16.4 Make sure there is a good connection between the video input and power input connectors. A poor connection could result in failure of the monitor. Locate the monitor into the windscreen framework.

4.16.5 Refit the monitor attachment fittings and secure the monitor to the windscreen framework.

Bearings

4.17 All bearings are greased for life and should normally not be re-packed with grease. However, in certain circumstances the bearings may require lubrication. If this situation arises, apply grease sparingly.

Body and other mouldings

4.18 Clean with damp cloth rinsed out in soapy water, do not hose down or flood the machine. Alternatively, a proprietary household furniture cleaner may be used.

Removal of body shell

NOTE

Refer to Figure 5 in Spare Parts section for item numbers.

4.19 To remove the body shell

4.19.1 Remove the four bolts, (Fig 5, item 9) spring washers (Fig 5, item 10), and washers (Fig 5, item 11) situated under the body shell, which attach the body to the chassis.

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4.19.2 Disconnect the electrical wiring underneath the body shell by undoing the plug and socket connector.

4.19.3 Remove body shell.

Interactive Ram Units

4.20 The two interactive ram units are “sealed for life units” and should not be tampered with. The ram units are installed to the ride chassis structure. No maintenance is necessary as the units are repaired by replacement. To replace the a ram unit proceed as follows:

WARNING ALWAYS DISCONNECT THE MACHINE FROM THE POWER SUPPLY BEFORE REMOVING ANY COVERS, CARRY OUT ANY SERVICING OR MAINTENANCE.



4.20.1 Disconnect the machine from the electrical power supply.

4.20.2 Gain access to the ram unit.

4.20.3 Disconnect the ram unit electrical connector.

4.20.4 Remove the nut, bolt and washer assemblies that secure the ram unit to the chassis.

4.20.5 Remove the ram unit from the ride.

4.20.6 Install the new ram unit in position and secure to the chassis with the nut, bolt and washer assemblies.

4.20.7 Connect the ram unit electrical connector.

4.20.8 Connect the electrical power and test the ride.

4.20.9 If necessary proceed with the ride level calibration sequence, Para 4.13.

Daily checks

4.21 A check of each coin-operated Kiddie Ride should, whenever reasonably practical, be carried out each day before it is made available for the public. The following checks are recommended:

4.21.1 Check that the mains plug is undamaged and securely attached to the mains cable.

4.21.2 Check that the mains cable is undamaged.

4.21.3 Check that there are no broken or damaged parts of the ride that may cause injury.

4.21.4 Check that all guards are in place thus preventing any access to the mechanism.

4.21.5 Apply pressure to the ride to make sure that it is firmly secured to the base stem and check that all advisory literature is in place.

4.21.6 Make sure the area around the ride is free from obstruction and that persons passing by are not in any danger.

4.21.7 The ride should be kept clean and free from any customised additions unless approved by the manufacturer.

4.22 If as a result of the above visual checks any doubt arises, then the company, supplier or person responsible for the ride should be notified immediately.

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SPARE PARTS

1. The machine serial number (if given) on the reference plate must always be quoted.
2. Quote the full part number and description as set out in the list.
3. State precisely how parts are to be despatched.
Home: By post, carrier or road transport.
Overseas: By sea freight, airmail or air freight.
4. Keep orders separate from other correspondence.
5. Foreign orders must be sent through our accredited agent, an established London House, or accompanied by a remittance.
6. Replacement parts which are not of genuine Jolly Roger supply, cannot be relied upon to be to the correct specification, material or workmanship. Jolly Roger therefore cannot be expected to extend their Warranty to Kiddies Rides which have been fitted with parts which Jolly Roger has not supplied.
7. Jolly Roger reserve the right to make changes or improvements in the construction or specification of their products at any time.

Conditions of Business

1. Particulars given in this list are subject to withdrawal and alteration without notice.
2. All quotations are subject to confirmation before acceptance of order.
3. All goods are supplied on the conditions that Jolly Roger shall not be liable for any direct or consequential damage arising from delay in delivery or from defective material, other than is covered by our usual form of guarantee.
4. Whilst every effort is made to ensure the accuracy of the particulars contained in this book, modifications and specification changes to the Kiddies Ride are on-going. These may affect the information specified. No responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of information in this book not being in accord with modifications or Kiddies Ride specification changes which are subsequent to the date of this book. Also, no responsibility is accepted for the incorrect supply of parts or any other consequence that may arise as a result of any misinterpretation of the information specified in this parts book.

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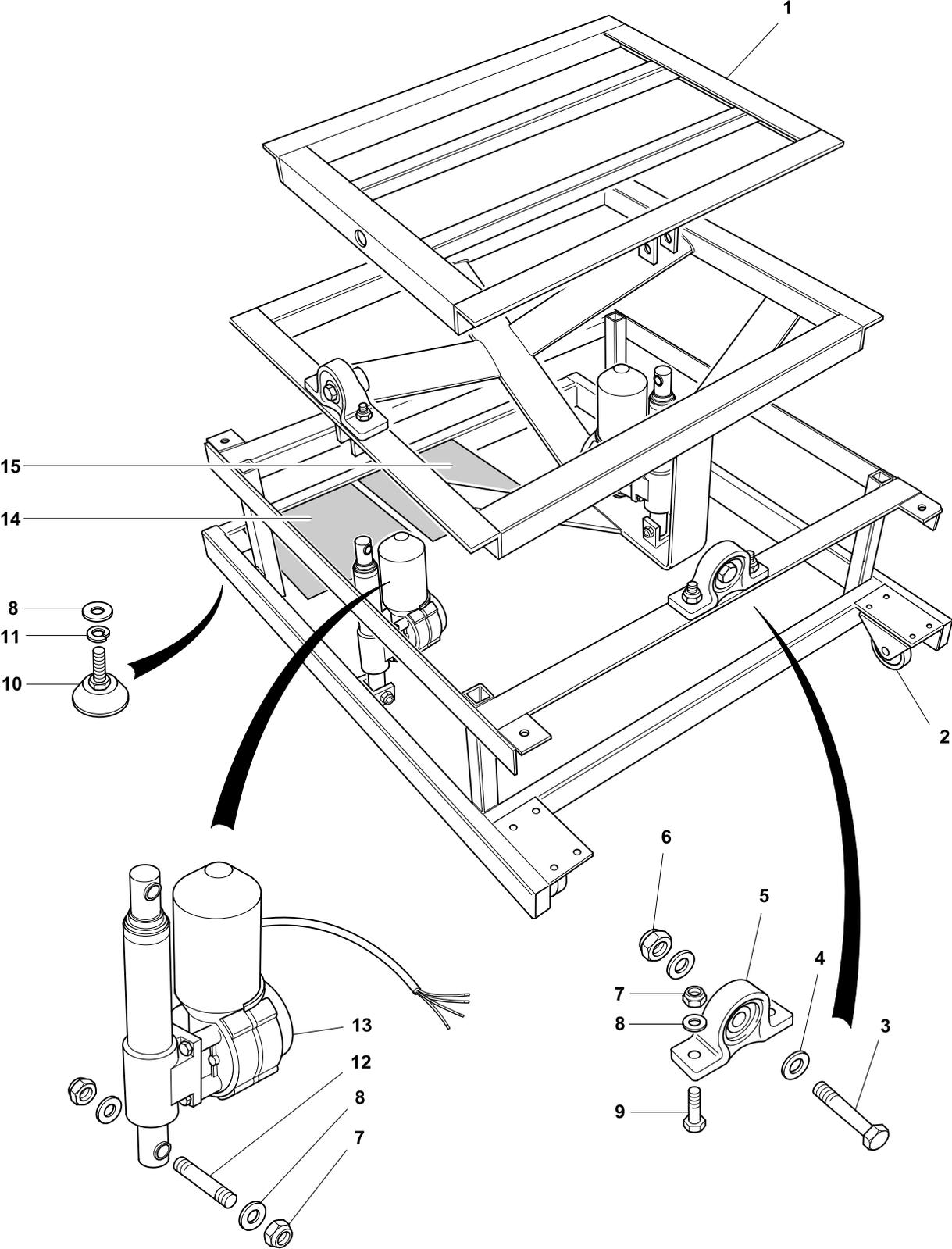


Fig 2 Chassis assembly

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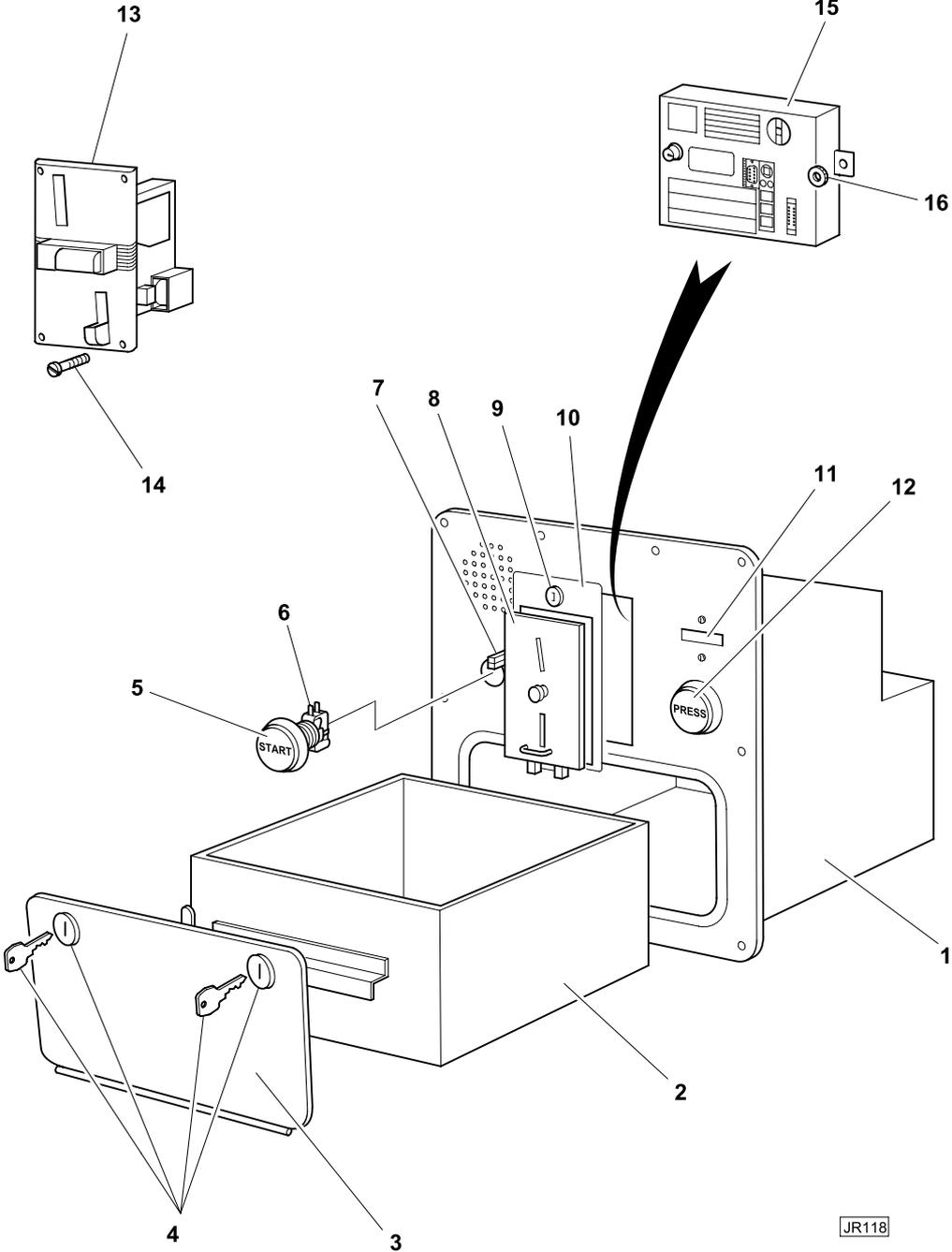
Parts list - Chassis assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	3000019	Chassis assembly, comprising:	-
1	3100005	Chassis	1
-	3100006	Upper frame	1
-	3100007	Middle frame	1
-	3100008	Lower frame	1
2	5120002	Castor	2
3	7000707	Bolt, M12 x 50	8
4	7600300	Washer, M12	4
5	6000000	Housing, bearing assembly, NP12	4
6	7700300	Nut, M12, Nyloc	4
7	7700200	Nut, M10, Nyloc	12
8	7600200	Washer, M10	14
9	7000604	Bolt, M10 x 35	8
10	3800000	Foot, rubber	2
11	7600201	Washer, M10, spring	2
12	8210001	Shaft, pivot	2
13	2000002	Actuator	2
14	JR 14	Power Supply Unit - (System 5000 - 17) (17 inch screen)	1
15	JR 16	Ram Motion Power Supply Unit - System 5000	1

Note: Refer to manufacturer when ordering items from this list

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JR118

Fig 3 Video coin collection assembly

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Parts list - Video Coin collection assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	4000006	Coin collection assembly comprising:	-
1	4100020	Housing	1
2	4100001	Cash box	1
3	4100021	Door	1
4	9300006	Lock complete with keys	2
5	2520008	Switch, pushbutton, round, START, green	1
-	† 2920008	Bulb, 2.2 watt, wedge	1
6	2520010	Microswitch	1
7	2500000	Microswitch, coin acceptor	1
8	4200008	Coin acceptor	1
9	9300004	Lock complete with keys	1
10	4200009	Plate, coin acceptor	1
11	2100009	Counter, coin impulse (fitted internally)	1
12	2520009	Switch, pushbutton, round,PRESS, red	1
-	† 2920008	Bulb, 2.2 watt, wedge	1
-	† 2520010	Microswitch	1
13	4200005	Coin acceptor, electronic assembly (optional) comprising:	1
-	† 4200006	Mechanism, electronic coin acceptor	1
-	† 4200007	Wiring loom, electronic coin acceptor	1
14	7200000	Screw, cap head, M4 x 20	4
15	2100012	Timer, System 5000	1
16	2100013	Nut, timer	2
-	† 2600000	Loudspeaker	1

Note: Refer to manufacturer when ordering items from this list.

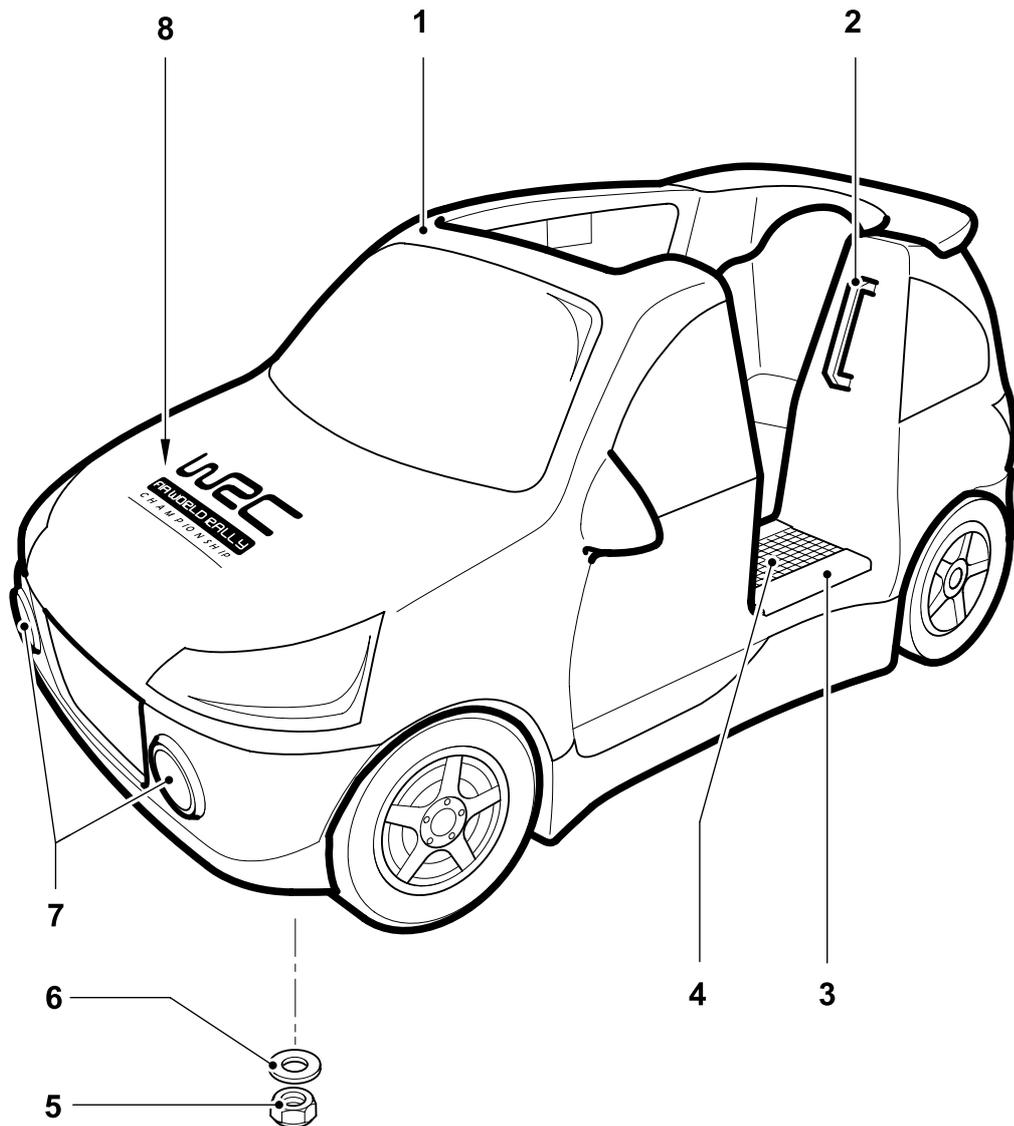


Fig 4 Body shell assembly

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Parts list - Body Shell Assembly

† Item not illustrated

Item No	Part No	Description	QTY
-	1080073	Body shell assembly, comprising:	
1	1100073	Moulding, body	1
2	GR189	Handle, large	1
3	1300002	Step edge	2
4	1300076	Foot tread	1
5	7700200	Nut, M10, Nyloc	4
6	7600200	Washer, M10	4
7		Headlamp assembly, comprising;	2
-	† CA088	Lens	2
-	† EE563	Holder, bulb	2
-	† EE010	Bulb, screw fitting 2.2 watt	2
8	1700073	Decal set	1
-	† 5300001	Steering wheel, small	1
-	† 3600005	Bracket, steering wheel (modified)	1
-	† 7000715	Bolt, M12 x 90	1
-	† 7700302	Nut, M12 special	1

Note: For Video ride equipment refer to Video Ride Equipment Handbook

Note: For coin acceptor and cash box details see video coin collection assembly parts list

Note: Refer to manufacturer when ordering items from this list

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Parts list - Timer/video & ram controllers

† Item not illustrated

Item No.	Part No.	Description	QTY
-	† JR 13	Timer/video control unit - System 5000	1
-	† 2900520	S. Video lead	1
-	† 2900522	Extended electronic mech. lead	1
-	† 2900523	Power supply 120VA transformer	1
-	† 2900524	Power supply PCB assembly	1
-	† 2900525	Timer/video PCB assembly	1
-	† 2900526	12v Cooling fan	1
-	† JR 16	Ram control unit - System 5000	1
-	† 2900529	Power supply 160VA transformer	1
-	† 2900530	Power supply PCB assembly	1
-	† 2900531	Ram controller PCB assembly	1
-	† 2900526	12v Fan	1
-	† JR 14	Video power supply unit - System 5000	1

Note: Refer to manufacturer when ordering items from this list

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We certify that we have manufactured and tested the coin-operated Children's Ride in accordance with the BACTA Industry Standard, the HSE Fairgrounds and Amusement Parks A Code of Safe practice, the Health and Safety at Work Act 1974. (All applicable in the United Kingdom).

THIS CERTIFICATE DOES NOT EXONERATE THE OPERATOR FROM REGULAR CHECKING AND MAINTENANCE OF THE MACHINE TO WHICH IT APPLIES.

Jolly Roger (Amusement Rides) Ltd.
Heath Road,
Skegness Industrial Estate,
Skegness,
Lincolnshire,
PE25 3SU,
England.

Telephone (01754) 896800 Telefax (01754) 610066

E-mail: sales@jolly-roger.co.uk

JOLLY ROGER AMUSEMENT RIDES

Jolly Roger (Amusement Rides) Ltd.

Heath Road,
Skegness Industrial Estate,
Skegness,
Lincolnshire,
PE25 3SU
England.

Telephone: + 44 (0)1754 896800
Fax: + 44 (0)1754 610066
E-mail: sales@jolly-roger.co.uk

EC DECLARATION OF CONFORMITY

Manufacturer: As above

Details of Electrical Equipment

Type No.: 2

Description: Coin-operated Childrens Ride

Directives this equipment complies with: Electrical Equipment (Safety) Regulations 1994, SI No3260 (Regulation 5. (1)).
Electromagnetic Compatability Directive 89/336/EEC
Low voltage directive 72/23/EEC (article 2) as amended by 93/68/EEC.

Harmonised standards applied in order to verify compliance with Directives: EN 50081-1:1992
EN 50082-1:1992
EN 60335-1:1994 inc. AMDS A11, A1, A12, A13, A14, A2, A15 and A16 - Safety of Household and Similar Electrical Appliance.
EN 55014-1: 1993 EN61000-3-2:1995 + A1: 1998 + A2: 1998
EN 61000-3-3: 1995 EN55014-2: 1997 Category 2
EN 60335-2-82: 2000 - Particular Requirements for Service Machines and Amusement Machines

Year in which CE mark was affixed: 2004

Authorised Signatory:

Manufacturer

Date of Issue



1st November 2006

Name: Peter North

Place of Issue

Position: Factory Manager

Skegness, England

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