

ROLLING EXTREME OPERATOR'S MANUAL



UPRIGHT MODEL

About this product

Thank you for purchasing this Gaelco S.A. product. This manual explains how to correctly and safely operate your game machine. Failing to operate the machine correctly could result in malfunction or accident, so please read the manual carefully before commencing operation

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Note: Operator's Manual Specifications subject to change without prior notice

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Modifications and/or alterations of the ROLLING EXTREME game machine with kits or parts not supplied by Gaelco S.A. may void de warranty.

Removal of serial numbers and/or bar codes from product or components will void the warranty.

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FCC Notice

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part A of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operating in a commercial environment. This equipment uses, and can radiate radio frequency energy, if not installed and used according to the instruction manual, and may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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1. GENERAL INFORMATION

1.1 Manufacturer and machine details

Manufacturer GAELCO, S.A. Address Escipió 9-11

ZIP 08023
City Barcelona
Country SPAIN

Tel. + + 34 93 417 36 26 Fax + + 34 93 417 28 02 e-mail gaelco@gaelco.com

Name ROLLING EXTREME

Model UR

1.2 Legislation references

ROLLING EXTREME complies with the following Directives:

- 89/366/CEE Electromagnetic Compatibility Directive and its modifications 91/263/CEE, 92/32/CEE and 93/68/CEE.
- 72/23/CEE Low Voltage Directive

1.3 Technical Service

Technical Service is carried out by Gaelco S.A. or its Distributors.

1.4 Responsibility

Any modifications made to this machine that are not authorised in writing by the manufacturer will be considered to be at the exclusive responsibility of the customer, who will consequently become the new "manufacturer" and must operate in compliance with the EMC directive.

In case of an accident caused by a defective part, the manufacturer will assume responsibility only if the machine was defective in its original condition. However, this responsibility shall be diminished or even totally annulled if the operator or the player do not follow the instructions provided or if the operator uses spare parts that are not covered by guarantee, are not authorised in writing or do not correspond to the specified technical characteristics.

SPECIFICATIONS 2.

2.1 Game Description

ROLLING EXTREME is a machine for class A video game, which operates by inserting coins or tokens.

The game has its inspiration in a risk sport which is practised today in the United States of America, known as street luge. In it the riders slide down a stiff slope, lying flat on a four wheeled platform (luge) which is steered by displacing the weight of the body and through the action of the feet.

The game consists of a race against the clock in which the player competes simultaneously whit other virtual racers at the same time as avoiding obstacles all along the course. To place himself and to continue with the game, the player should arrive at the finish within a predetermined time.

The player is involved in the contest through the feedback delivered by an interactive handlebar and the exciting images which are projected in real time.

2.2 Dimensions and Weight

Net Weight 160 Kg. Width 765 mm Depth 1136 mm High 1950mm

Crated dimensions and Shipping Weight (using standard euro palet):

Width 800 mm Depth 1200 mm High 2100 mm Weight 175 Kg approx.

2.3 Power Supply

Monitor SB 180 PL/R Power Supply Unit 220-230 VAC, 50 Hz

Operating Power

+5VDC 20A +12VDC 8A Output

2.4 Monitor

28" Hantarex Dual Frequency 15-25KHz (working at 25KHz)

2.5 PC Board

PCB Gaelco ROLLING EXTREME

2.6 Controls

Start Button View Change Button Handlebar with two grips, each one incorporating two buttons

2.7 Attachments

One Operator's Manual Two coin box keys Two rear door keys One power cord One linking cord

3. WARNINGS

3.1 Siting of the machine

This machine has been for indoor use only, within residential or commercial spaces. Absolutely do not set up the machine outdoors or under the following conditions:

- Direct exposure to sunlight, high humidity, water contact, dust, high heat or extreme cold.
- In a place exposed to vibration. The machine must be installed on a level surface with levellers properly adjusted.
- In locations near ventilating holes. Doing so could cause internal temperature to rise excessively, resulting in equipment failure.
- Near hazardous substances



Do not place this machine where it might be an obstacle in case of emergency (i.e. close to fire extinguishers or emergency exits)

3.2 Improper uses

Please heed the following indications in order to ensure your safety when using this game machine. Be sure to read and get a good understanding of each item:

- This machine must be used only in residential or commercial areas;
- Do not use the machine as support for other objects;
- Do not use the machine in the vicinity of containers holding liquids or liquid dispensing equipment. In general, precautions should be taken against spilling liquids of any kind whatsoever over the machine;
- Ventilation slots must be not obstructed, and the machine must be positioned so as to leave a distance of at least 10cm (4") from possible obstructions;
- Do not run the power cord across passages where pedestrian's feet could get caught on the cord.

The machine should not be used by persons under the influence of alcohol or who are not in good health.

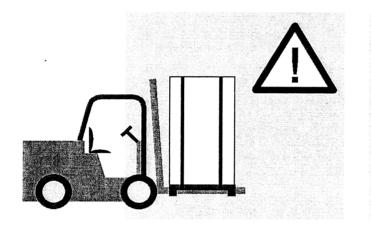
4. HANDLING

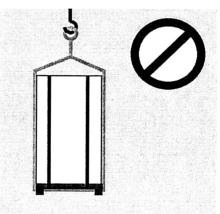


This product should be set up, moved or transported by a trained person. Failing to do so could result in injury or product damage. The machine contains parts which are sensitive to vibration and impact. The Printed Circuit Board (PCB) inside the machine uses precision components. You should be very careful when moving or transporting the machine.

4.1 Equipment needed for transporting the packed machine

The packed machine must be transported in a closed means of transport with sufficient carrying capacity for the gross weight of the machine, which is 160 Kg (net weight 140 Kg). The machine must remain packet on its pallet or must be suitably secured to the means of transport.





Unloading of the packed machine on its pallet is permitted only with a forklift truck.

It is not allowed to lift the packed machine with ropes or belts, as the package is not equipped with suitable lifting points for this tape of transport.

4.2 Storage

Store the packed machine in sheltered an dry areas. Temperatures allowed: maximum +45°C/minimum -5°C

4.3 Unpacking

The ROLLING EXTREME game cartons should be carefully inspected upon receipt to insure that the game is completed and was delivered in good conditions. Shipping damage may void warranty. In case of shipping damage, contact your Distributor and the Transportation Carrier immediately.

4.4 Movement of the unpacked machine

The machine can easily moved by using their wheels. When moving the game machine, always return the levellers to the extreme up position.

When moving the machine on sloping or uneven surfaces or across steps, proceed with extreme caution to avoid the risk of being crushed! The cabin is not equipped with lifting rings. It is therefore absolutely prohibited to lift it with ropes or belts!!

5. INSTALLATION AND SETTING UP

When setting up, be sure to fasten the game machine securely. If the unit is not fastened securely, it could be damaged by rocking or could result in injury

5.1 Inspection



The operations described below must be done with the machine unplugged from the electrical power supply system

Inspect the game cabinet by doing the following:

- Examine the cabinet exterior for dents, chips, or broken parts
- Open the rear panel that accesses the interior of the machine. This operation should be done only by a trained person. The keys can be found in a bag fastened to the joystick's handle. After turning the key to the left pull the panel towards you until it leans enough to grip it with both hands by the sides and pull it upwards. In this way it will be freed from the guide that holds it at the bottom. Do not lean the panel out too much without freeing it from the guide, because this could break the chipboard where it is screwed.
- Unlock and open the rear panel -keys are attached behind the coin box doorand inspect the interior of the cabinet
- Check that all the plug-in connectors (on the cabinet harnesses) are firmly plugged in. Do not force connector together. The connectors are keyed so they fit only in the proper orientation. A reverse edge connector can damage the PCB and will void your warranty.
- Inspect the major sub-assemblies, such as the video display monitor, PCB, steering assembly, and speakers. Make sure that they are mounted securely and that all ground wires are firmly connected.
- Inspect the power supply to ensure that is secure.
- Inspect the power cord to insure that there is not cuts or breaks in it.

To clean the game machine, wipe with a soft cloth damped in a neutral detergent and wrung out. Using organic solvents such a thinner may decompose the material.

5.2 Setting up precautions

The operations described below should carried out by trained persons. AC power must always be turned OFF, and the game unplugged, before replacing any parts or connecting/disconnecting connectors.

- Check that the area chosen is distant from heat sources, and that the machine, when fully installed, will not obstruct emergency exits.
- Adjust the leg levellers by hand so they make contact with the floor. Continue to adjust levellers until machine is level and stable on the floor. After adjustments are complete, secure the height of the leg levellers.
- Since the machine is a heavy object, its leg levellers should be retracted when moving the machine over the floor.
- Once the game machine is set, plug the power cord into a grounded receptacle that provides 220-230 VAC at 50 Hz.
- The Cabinet Monitor must be grounded with a securely connected ground plug.
 This will ensure safe operation as well as compliance with the applicable FCC and UL regulations.
- The power supply range is between 220-230 VAC. Be sure to use within the specified voltage range
- When unplugging the game from an electrical outlet, always grasp the plug, not the wire. Do not plug or unplug the power cord with wet hands
- If the power cord becomes damaged -core exposed, broken, etc- please contact your nearest dealer for replacement. Using a damaged power cord could result in fire or electrical shock
- The game machine includes areas of high voltages. Care must be taken at all times to avoid electrical shock whenever inspecting or adjusting the game, particularly around the monitor

5.3 Switching the machine ON

The switch is located at the bottom right rear of the cabinet monitor. Switch to position "I" and the machine should turn ON.

The machine can be switched OFF (position "0") in any moment that is considered to be necessary. If a game is in progress on the machine, the credit will be lost.

To avoid possible damage to the electronic components, wait several seconds before turning the machine on again.

5.4 How to change the fuse



The operations described below must be carried out only by a trained person

Previously to any operation turn the main switch OFF and unplug the power cable. The fuse holder is on the filter box, between the power cord socket and the power switch.

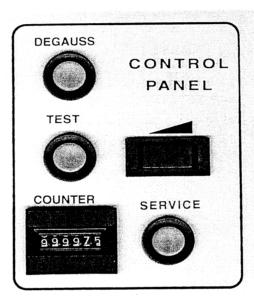
- Unplug the power cord from the filter box
- Pull out the fuse holder
- Remove the fuse and check it
- Replace the fuse if necessary (Europe: 3A/250 V)
- Attach the fuse holder
- Plug the power cable

6. PROGRAMMING THE MACHINE AND TEST MODE

When the machine is switched on an automatic check of the memories and other connected systems is made. This coincides with the presentation on the screen of the adjustment card (TEST SCREEN), where faults or failures in the system are indicated if they occur. A label on the top of the screen indicates if the PCB is working on Upright or Sit Down mode, depending the option selected. After a few seconds, if no error occurs, it passes automatically to show the game. The interface is also adjusted dynamically each time that a machine is switched on.

Any other adjustment should be made in TEST MODE.

The access to TEST MODE as for the other controls (monitor, global volume, etc.) is made from the CONTROL PANEL which is situated behind the coin box door, and consists of a button to access TEST MODE, a SERVICE button, and a commuter to adjust the GLOBAL VOLUME (raise, lower) of the loud speakers.



Pushing the SERVICE button introduces game credits without moving the coin counter. Pressing the TEST button enters TEST MODE, where the game variables, such as level of difficulty, linkage of machines, etc., can be adjusted. Handlebar adjustment and a check on controls can also be made.

The TEST MODE is a rotary system of 7 menus (screens).

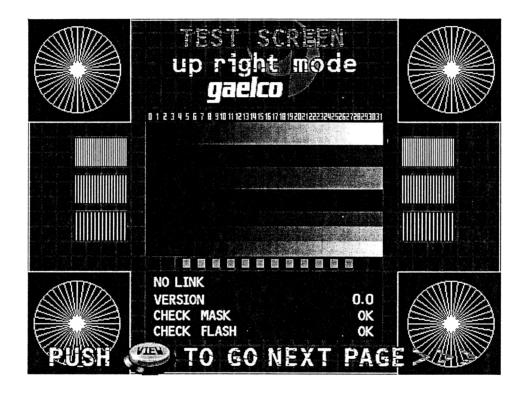
- TEST SCREEN
- INPUT TEST
- GAME ASSIGNMENTS
- OUTPUT TEST
- BOOK KEEPING 1 / 2
- BOOK KEEPING 2/2
- EXIT SCREEN

Turning the handlebar towards the left or right allows to look over the main menu from above to below. The on/off condition of each parameter can be changed by using the buttons of the right or left grip. If a parameter has different levels the rising or lowering of level is done in the same way.

To make sure that the changes that have been made are kept permanently, you must not switch off the machine without first leaving TEST MODE with the option EXIT AND SAVE CHANGES of the EXIT SCREEN.

6.1 Screen Adjustment

This screen is the ADJUSTMENT CARD, which should be used to suitably adjust the monitor. It shows you, also, the following information:



NO LINK / LINK MASTER / LINK SLAVE To link two machines, one of them must be defined as master and the other one as slave. When a machine is on link mode, the state of waiting for connection is indicated on the low side of the screen. If the communication can not be established the message on the screen is "no link".

VERSION software version

CHECK MASK checksum of the mask memory checksum of the RAM memory

To jump from this screen onto the next is necessary to push the VIEW button.

6.2 Input Test

The INPUT TEST screen enables you to check the correct functioning of the following controls:

	INPUT	TEST -			A	
	faef8	මණිනම්) 			off
	V1⊕#	cheng:	9 @ 6	ufffon s	ł	0 M
	51dgfrq	breke	· 음			off
		breke				off
		Susaj				off
		Sinsay				off
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		chute	 			ott
	SOFV1	©2 :				orr
. [PUSH 🥰	70	60	NEXT	PAGE	>>>

placed on the left side of the control panel start button placed on the right side view change button red trigger on the right handle right brake red trigger on the left handle • left brake green button on top of the right handle • right smash green button on top of the left handle left smash handlebar displacement test adc min max handlebar centring test ADC centre entry of de Coin Box coin chute placed on the control panel behind de coin door service button

All these controls ought to be normally at OFF. When they are operated the message ON appears on the screen. The displacement of the handlebar (adc min max) goes from -1.0 (left hand stopper position) to 1.0 (right hand stopper). The centre indication should be 0 when the handlebar is placed in the central position.

6.3 GAME ASSIGNMENTS

On this screen you can change the following game parameters :

-GAME ASSIGNMENTS

> 0 coins > 0 credits
0 credits (free play)

cabinet mode : upright link type : mester advertise sound : yes

difficulty : 00 easy

Push (**) to 60 next page >>>

COIN BOX / CREDITS ADJUSTMENT

To adjust the number of credits (games) that the machine gives for a defined number of coins, the parameter is chosen with...

If the number of coins is set at zero, the machine remains adjusted for FREE PLAY. It is also possible to program the number of coins required to continue the game, irrespective of the initial price to start.

When two players are racing and one of them does not arrives to the finish line, then, the option **continue to play?** appears. It always consumes one credit despite any coin programming.

CABINET MODE

By means of this option you can choose the type of cabinet to be used. The Rolling Extreme PCB can work either in the **upright** version, where the player plays standing up, and the **sit down** version, where the player plays seated.

LINK TYPE

To link two machines you have to assign a different identity to each one of them. One should be master and the other slave. It is recommended that the left machine is defined as master and the right machine as slave.

If there is no interconnection the option **no link** will be selected.

ADVERTISING SOUND

By means of this option you can program the machine for sound production (or not) when it is in exhibition mode.

DIFFICULTY

The game has 16 levels of difficulty:

00 - 03	easy (3 levels)
04 - 07	medium difficulty (3 levels)
80	pre-set difficulty (selected in the absence of other choice)
09 – 11	hard difficulty (3 levels)
12 – 15	hardest difficulty (3 levels)

The difficulty can be adjusted using the handlebar grip buttons. Those of the right increase the difficulty and those of the left reduce it.

These options have some effect on the time available to the player for finishing the race.

To go onto the next screen press the VIEW button.

6.4 OUTPUT TEST

This screen allows you to check the operation of the output signals from the CPU. On LAMP START option the lamp of the Start button flashes. Pushing the START button into the position COIN COUNTER, the corresponding output is activated.

- OUTPUT TEST -



bass sound channel right sound channel left sound channel rear sound channel



The line **sound rear channel** appears when the machine is in **sit down** mode. There is not independent adjustment of volume for each sound channel.

6.5 BOOK KEEPING 1/2

This screen displays data for the activity of the machine.

— Book-Keeping ———	1/2
> coins credits service credits total credits	
games 1 player games 2 players continue play	
push 🥮 to 60 Next	PAGE >>>

Reading from top to bottom, the following data are displayed:

- Coins entered
- Credits owed for the coins entered
- Credits entered with the SERVICE button
- Total number of credits
- Number of games of an individual player
- Number of games of two simultaneous players (Link Mode)
- Number of games on continue mode

6.7 BOOK KEEPING 2/2

This screen displays time data for the activity of the machine

— Book-Keeping ———		2	1	2
> total time play time	_	00		
average time Longest time shortest time	8	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	06	0



Reading from top to bottom:

- Total time the machine is connected in hours and minutes
- Total time the machine is busy in hours, minutes and seconds
- Time of the average credit in minutes and seconds
- Time of the longest credit
- Time of the shortest credit

6.7 EXIT SCREEN

On this screen the following options are displayed:

- EXIT SCREEN-

extt without save changes extt and save changes

> reset renking **[deleted]**reset book-keeping



Push Por Next Page >>>

Reading from top to bottom:

- Exit from Test Mode without keeping the changes
- Exit from Test Mode retaining memory of the changes that have been made in the previous screens
- Erase data of the game record tables that accumulate from day to day.
- Erase the book-keeping data. Choose the option RESET BOOK KEEPING and push the START button.

Be careful! Whatever the changes that have been selected in the previous screens will be eliminated unless you exit from this final screen using the option **exit and save changes**, confirmed with the START button as indicated on the screen with the message **push START to confirm**.

7. HOW TO PLAY

7.1 GAME ACCESS

Put in sufficient coins or tokens to start the game. Once the price of the game is covered the message PUSH START BUTTON appears on the screen.

The number of games that can be played is shown via the message CREDIT:

When the number of coins doesn't coincide with the number of credits, the message is CREDIT: _/_ . The number that appears to the left shows the coins already put in, whilst the number to the right shows the amount that have still to be inserted.

The message PUSH START BUTTON appears when sufficient coins have been put in. This message is the invitation to begin the initial phase of the game. As soon as the START button is pressed the circuit selection menu appears on the screen (CHOOSE A ROAD). Tilting the handlebars allows to select one of the three circuits available:

SPARKS ROAD

(recommended circuit for beginners)

PURE SPEED

(medium difficulty circuit)

ADRENALIN ROAD

(hard difficulty circuit)

Once a circuit is chosen the selection of rider appears on the screen. The player can choose between four riders, three men and a woman, with distinctive personalities. The selection is made in the same way as the previous screen. From this moment the game begins.

7.2 GAME CONCEPT

The game is inspired on a risk sport practised in the United States of America, known as *street luge*. In it the riders slide down a steep slope lying on a four wheeled platform that they steer by moving the weight of the body and by using their feet.

The game ROLLING EXTREME consists of a race against the clock, in which the player competes simultaneously against other virtual riders while avoiding obstacles which appear all along the course. To gain a place an follow on in the contest, the player should get to the finish line within a fixed time. When you win one phase of the game you pass to the next, until you have finished all the available circuits. If you succeed in this, and if your time is within the Top 20 of those persons who have played up to that time, you can add your initials and your record will remain written in this list.

7.3 CONTROLS

The player has an interactive handlebar provided with two grips, each of which has a red coloured trigger and a green push button. Tilting the handlebar to left or right steers the vehicle, helped by the triggers to force a turn on the bends. The push buttons are used to get other riders out of the road by using the arms.

7.4 INFORMATION ON THE SCREEN

Data is made available so that the player can control his situation during he race. The following information appears:

Upper left zone:

BEST TIME

Absolute record in that phase (shortest time)

RACE TIME

Cumulative time (race chronometer)

Upper central zone:

TIME

Time to finish a stage of the race

CHECK POINT

Appears when the player makes a flying finish

Upper right zone

SPEED

Speed in Km/hr.

YOU 5/9

Classification of the player with respect to those riders

who remain in the race (in this case the player is 5th of 9)

7.5 TRICKS OF THE GAME

The player not only drives but has to avoid obstacles and anticipate the actions of the virtual riders, who will try to push him or her out of the road when they are situated at his/her side. In this case the best defence is a good attack and to do this there are the green push buttons.

In each circuit there is a CHECK POINT to which the player ought to arrive within a fixed time. When the race begins a count down is started. When a check point is crossed extra time is added and the count down continues. The player is classified if he reaches the finishing line before using all the available time; if not the game is over. When the player is classified, the unused time of this phase is added to that for the following one, given that each circuit consists of two phases. The time remaining after the second phase, however, is not transferred to other circuit.

Whatever scrape or collision causes a small loss of time, which is shown on the screen by means a simulated wheel loss. The interactive handlebar vibrates each time that the player comes off the track.

The player has two types of assistance to improve his position, which are announced with icons at various points of the course. The player has to be reasonably clever to pass over them and get the corresponding advantage, which can be:



Super speed



Super smash icon

The acceleration lasts 3 seconds whilst the capacity for a hit is retained until used. The riders which are smashed with the red glove remain eliminated from the race. To be registered on the list of the 20 best players, the player has to complete the three circuits within a better time than the last of the players already registered.

8. HOW TO LINK TWO MACHINES

ROLLING EXTREME allows you to connect two machines so that two players can compete directly. To do this the following steps should be taken:

- Make sure that the connection cable is correctly plugged into both machines.
- Switch on both machines.
- Press the TEST button on the CONTROL PANEL of both machines.
- Go to the GAME ASSIGNMENTS on both machines (See section 6.3 of this manual)
- Choose the option LINK TYPE on both machines, and define the condition of each one, Master or Slave. Recommended:

Left Cabinet → Master Right Cabinet → Slave

• Go to the EXIT SCREEN, choose EXIT AND SAVE CHANGES option and validate with START button.

When you want to disconnect the two machines, you should unplug the connection cable and proceed in the same way, going into TEST MODE, GAME ASSIGNMENTS screen and choosing NO LINK in the LINK TYPE parameter for both machines, then exit from de Test Mode with the option EXIT AND SAVE CHANGES of the EXIT screen.

9. MAINTENANCE

In all maintenance operations these directions should always be observed,

- When replacing parts, be sure to use parts of the correct specifications.
- Adjustment is required whenever the game PCB, joystick or potentiometers are changed
- Do not attempt to repair the PCB. It contains sensitive chips that could easily be damaged by even the small internal voltage of a meter. Always return the PCB to your distributor for any repairs.

9.2 Adjustment of the interactive handlebar

To test the correct operation of the interface please go to the INPUT TEST (see section 6).

— Input	TECT	
	_	
> Start	preferant	off
V1⊕H	change button:	@ M
3세pf게	brake:	off
ffel	brake:	off
faleta	SHESh :	off
£Ť£	SIESh :	off
මුල් ල	ania asx	0.0
නුල් ල	senter :	$\Theta\Theta$
¢ofin	chute :	off
SOFV 1	69 :	off
push 🥰	🖱 to Go Next Pag	图>>>
	_	

The minimum and maximum values of the analogic/digital converter are shown in the line **adc min max**. Under normal conditions, this value should be -1.0 when the handlebar is fully turned to the left limit. When the handlebar is turned completely to the right the value should be 1.0. If the handlebar is at the limit of either side and the value does not attain to 1.0 (with the arithmetic sign that corresponds to left or right), the potentiometer is not working properly.

The line **adc centre** is used to check that the value zero of the analogic/digital converter corresponds with the central position of the handlebar. If the handlebar is physically centred (vertical stem position, at 90° to the console) and the value is not zero, this is an indication that the potentiometer is not correctly aligned with respect to the handlebar.

9.2 Basic Troubleshooting

Turn on the cabinet and nothing appears

Monitor screen is black and no picture or distorted picture

The colour or the image on the monitor screen is incorrect

No sound or the quality is poor

No response from the Handlebar

The message COMMUNICATION ERROR appears on the screen

POSSIBLE SOLUTION

- ✓ Check wiring connector connections
- ✓ Check fuse of the line filter
- √ Check voltage value for +5VDC
- ✓ Check for faults on monitor
- ✓ Check for disconnected cable
- √ Check for faulty PC Board
- ✓ Enter Test Mode (section 6) and then enter Screen Test (6.1) making the necessary adjustments.
- ✓ Enter Test Mode and check the Sound Check the speakers and their connections
- ✓ Check voltage value for +12VDC
- ✓ Check the volume button on the Control Panel
- ✓ Check that the potentiometer belonging to the handlebar is functioning correctly.
- ✓ Check the connections between the handle potentiometer and the game PC Board: the potentiometer should be supplied between the voltage limits of +5VDC and GND.
- ✓ On the cursor of the potentiometer should be a voltage of approximately 2.5VDC when the handlebar is centred

✓ Check the link cable

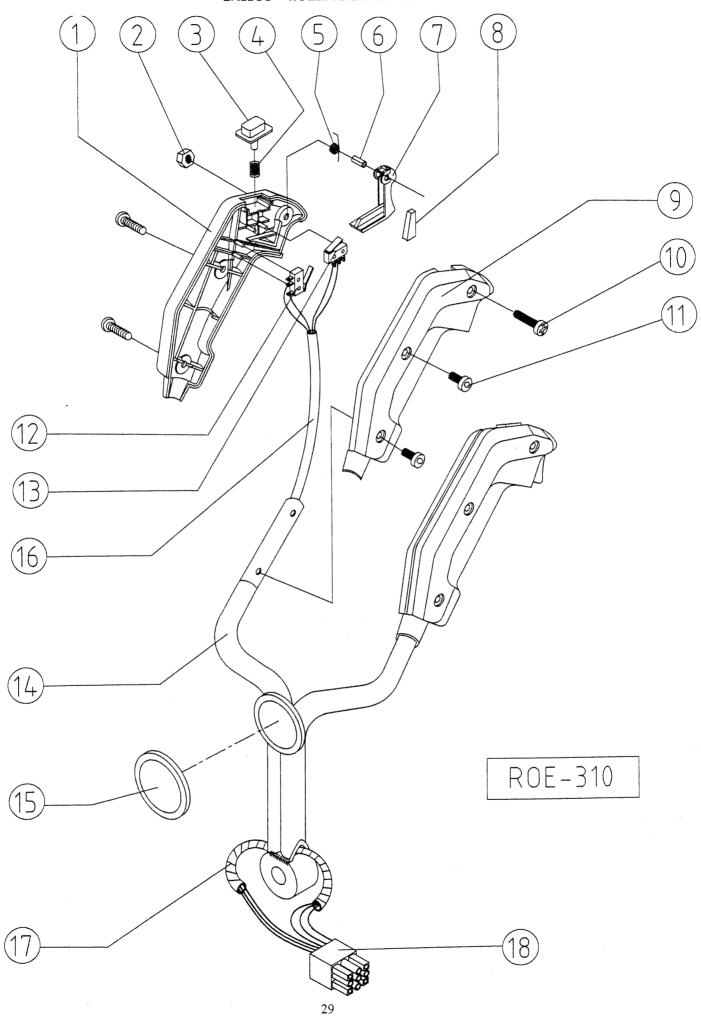
10. PARTS LIST

10.1 General List

ROE-150	CODE		QTY
ROE-210 DOUBLE FRAME MINI DOOR (coin door and cash box door) 1 ROE-220 LEFT HANDLEBAR METAL PLATE (green) 1 ROE-221 RIGHT HANDLEBAR METAL PLATE (green) 1 ROE-225 RIGHT HANDLEBAR BRACKET 1 ROE-230 BRACKET, control panel 3 ROE-301 BRACKET, loudspeaker box fixing 2 ROE-302 VIEW CHANGE PUSH BUTTON, REF. A 0113 GREEN COLOUR 1 ROE-303 ZIRT PUSH BUTTON, REF. A 0113 GREEN COLOUR 1 ROE-301 START PUSH BUTTON, REF. A 0113 GREEN COLOUR 1 ROE-352 ZYENSION CABLE, monitor remote control 1 ROE-355 SUPPORT, monitor remote control 1 ROE-356 CREDIT ADAPTOR PCB, for electronic coin acceptor 1 ROE-357 ROLLING EXTREME CPU BOARD 1 ROE-368 MOTOR CONTROL UNIT 1 ROE-369 S'SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-361 S'SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-362 S'SPEAKER, 4 OHMS / 60 W 2 WAY 2 ROE-3636 <	ROE-100	UPRIGHT WOOD CABINET	1
ROE-220 LEFT HANDLEBAR METAL PLATE (green) 1 ROE-221 RIGHT HANDLEBAR BRACKET 1 ROE-225 BRACKET, control panel 3 ROE-230 BRACKET, loudspeaker box fixing 2 ROE-301 BRACKET, loudspeaker box fixing 2 ROE-302 HANDLEBAR ASSEMBLY, including interface mechanism & motor 1 ROE-303 HANDLEBAR ASSEMBLY, including interface mechanism & motor 1 ROE-301 START PUSH BUTTON, REF. A 0113 GREEN COLOUR 1 ROE-350 28° DOUBLE FREQUENCY MONITOR (25 KHz) Medium Planar 1 ROE-351 SUPDORT, monitor remote control 1 ROE-352 SUPPORT, monitor remote control 1 ROE-353 SUPPORT, monitor remote control 1 ROE-353 SUPPORT, monitor remote control 1 ROE-354 ROLLING EXTREME CPU BOARD 1 ROE-355 ROLLING EXTREME CPU BOARD 1 ROE-360 S'SPEAKER, 4 OHMS / 60 W 2 WAY code 35 1368 Kindvox 1 ROE-361 S'SPEAKER (SUBWOOFDER) 100W / 4 OHMS, loudspeaker box 1 ROE-362	ROE-150		1
ROE-221 RIGHT HANDLEBAR BRACKET 1 ROE-225 BRACKET, control panel 3 ROE-230 BRACKET, control panel 3 ROE-301 BRACKET, loudspeaker box fixing 2 ROE-302 VIEW CHANGE PUSH BUTTON, REF. A 0113 GREEN COLOUR 1 ROE-301 START PUSH BUTTON, REF. A 0113 GREEN COLOUR 1 ROE-352 VIEW CHANGE PUSH BUTTON, REF. A 0113 GREEN COLOUR 1 ROE-352 ZB* DOUBLE FREQUENCY MONITOR (28 KHz) Medium Planar 1 ROE-353 SUPPORT, monitor remote control 1 ROE-354 SCXTENSION CABLE, monitor remote control 1 ROE-355 POWER SUPPLY 1 ROE-356 CRÉDIT ADAPTOR PCB, for electronic coin acceptor 1 ROE-356 ROLLING EXTREME CPU BOARD 1 ROE-366 MOTOR CONTROL UNIT 1 ROE-367 TOLLING EXTREME CPU BOARD 1 ROE-368 S" SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-369 S" SPEAKER, SUBWOOFER) 100w / 4 OHMS, loudspeaker box 1 ROE-362 S" SPEAKER, CSUBWOOFER) 100	ROE-210		-
ROE-225 HANDLEBAR BRACKET 1 ROE-230 BRACKET, control panel 3 ROE-300 BRACKET, loudspeaker box fixing 2 ROE-301 HANDLEBAR ASSEMBLY, including interface mechanism & motor 1 ROE-302 VIEW CHANGE PUSH BUTTON, REF. A 0113 GREEN COLOUR 1 ROE-303 28" DOUBLE FREQUENCY MONITOR (25 KHz) Medium Planar 1 ROE-353 28" DOUBLE FREQUENCY MONITOR (25 KHz) Medium Planar 1 ROE-353 SUPPORT, monitor remote control 1 ROE-353 SUPPORT, monitor remote control 1 ROE-356 CRÉDIT ADAPTOR PCB, for electronic coin acceptor 1 ROE-357 ROLLING EXTREME CPU BOARD 1 ROE-360 S" SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-361 S" SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-362 S" SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-363 FAN, 220 VAC 120x120 1 ROE-363 FAN, 220 VAC 120x120 1 ROE-364 FAN GRILL 15X15, rear door 1	ROE-220		-
ROE-226 BRACKET, control panel 3 ROE-300 BRACKET, loudspeaker box fixing 2 ROE-301 START PUSH BUTTON, REF.A 0113 GREEN COLOUR 1 ROE-302 VIEW CHANGE PUSH BUTTON, REF.A 0113 GREEN COLOUR 1 ROE-303 28" DOUBLE FREQUENCY MONITOR (25 KHz) Medium Planar 1 ROE-352 28" DOUBLE FREQUENCY MONITOR (25 KHz) Medium Planar 1 ROE-353 SUPPORT, monitor remote control 1 ROE-355 EXTENSION CABLE, monitor remote control 1 ROE-356 CREDIT ADAPTOR PCB, for electronic coin acceptor 1 ROE-357 ROLLING EXTREME CPU BOARD 1 ROE-358 MOTOR CONTROL UNIT 1 ROE-360 6" SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-362 6" SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-363 FAN, 220 VAC 120x120 1 ROE-364 COMPACT FILTER & FUSE HOLDER UNIT, code 702F3G ILT 1 ROE-365 FAN GRILL 2 ROE-366 VENTILATION GRILL 15X15, rear door 1 ROE-367 <t< td=""><td></td><td></td><td></td></t<>			
ROE-300 BRACKET, Ioudspeaker box fixing 2 ROE-300 HANDLEBAR ASSEMBLY, including interface mechanism & motor 1 ROE-301 START PUSH BUTTON, REF.A 0113 GREEN COLOUR 1 ROE-302 VIEW CHANGE PUSH BUTTON, REF.A 0113 GREEN COLOUR 1 ROE-3502 ZW DOUBLE FREQUENCY MONITOR (25 KHz) Medium Planar 1 ROE-352 EXTENSION CABLE, monitor remote control 1 ROE-353 SUPPORT, monitor remote control 1 ROE-353 SUPPORT, monitor remote control 1 ROE-356 CRÉDIT ADAPTOR PCB, for electronic coin acceptor 1 ROE-357 ROLLING EXTREME CPU BOARD 1 ROE-358 MOTOR CONTROL UNIT 1 ROE-360 S"SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-361 S" SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-362 S" SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-363 FAN, 220 VAC 120x120 1 ROE-364 COMPACT FILTER & FUSE HOLDER UNIT, code 702F3G ILT 1 ROE-365 VENTILATION GRILL 15X15, lower back panel <			
ROE-300			
ROE-301 START PUSH BUTTON, REF. A 0113 GREEN COLOUR 1 ROE-302 VIEW CHANGE PUSH BUTTON, REF. A 0113 GREEN COLOUR 1 ROE-350 28" DOUBLE FREQUENCY MONITOR (25 KHz) Medium Planar 1 ROE-352 EXTENSION CABLE, monitor remote control 1 ROE-355 SUPPORT, monitor remote control 1 ROE-356 CREDIT ADAPTOR PCB, for electronic coin acceptor 1 ROE-356 CREDIT ADAPTOR PCB, for electronic coin acceptor 1 ROE-356 CREDIT ADAPTOR PCB, for electronic coin acceptor 1 ROE-356 CREDIT ADAPTOR PCB, for electronic coin acceptor 1 ROE-356 CREDIT ADAPTOR PCB, for electronic coin acceptor 1 ROE-358 MOTOR CONTROL UNIT 1 ROE-358 MOTOR CONTROL UNIT 1 ROE-360 S* SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-361 S* SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-362 8" SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-363 FAN, 220 VAC 120x120 1 ROE-363 FAN GRILL 1			
ROE-302 VIEW CHANGE PUSH BUTTON, REF.A 0113 GREEN COLOUR 1			
ROE-350 28" DOUBLE FREQUENCY MONITOR (25 KHz) Medium Planar 1 ROE-352 EXTENSION CABLE, monitor remote control 1 ROE-353 SUPPORT, monitor remote control 1 ROE-355 POWER SUPPLY 1 ROE-356 CRÉDIT ADAPTOR PCB, for electronic coin acceptor 1 ROE-357 ROLLING EXTREME CPU BOARD 1 ROE-358 MOTOR CONTROL UNIT 1 ROE-358 MOTOR CONTROL UNIT 1 ROE-362 8" SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-363 FAN, 220 VAC 120x120 1 ROE-363 FAN, 220 VAC 120x120 1 ROE-365 FAN GRILL 1 ROE-366 VENTILATION GRILL 15X15, rear door 1 ROE-367 VENTILATION GRILL 15X15, lower back panel 1 ROE-371 POWER CABLE 1 ROE-372 FLUORESCENT 15W 1 ROE-373 BALLAST, fluorescent 1 ROE-373 BALLAST, fluorescent 1 ROE-373 TRAINSFORMER, 230 V / 18 - 0 - 18 V / 5 A / 180 VA, code			-
ROE-352 EXTENSION CABLE, monitor remote control 1 ROE-353 SUPPORT, monitor remote control 1 ROE-353 POWER SUPPLY 1 1 ROE-356 CRÉDIT ADAPTOR PCB, for electronic coin acceptor 1 ROE-357 ROLLING EXTREME CPU BOARD 1 ROE-358 MOTOR CONTROL UNIT 1 1 ROE-360 5" SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-362 8" SPEAKER, SUBWOOFER) 100w / 4 OHMS, loudspeaker box 1 ROE-363 FAN, 220 VAC 120x120 1 ROE-364 COMPACT FILTER & FUSE HOLDER UNIT, code 702F3G ILT 1 ROE-365 FAN GRILL 1 ROE-366 VENTILATION GRILL 15X15, rear door 1 ROE-367 VENTILATION GRILL 15X15, lower back panel 1 ROE-371 SOCKET, fluoresncent tube 1 ROE-372 FLUORESCENT 15W 1 ROE-373 BALLAST, fluorescent 1 ROE-375 TRANSFORMER, 230 V / 18 - 0 - 18 V / 5 A / 180 VA, code 15962 1 ROE-380 CABINET WIRING (complete) 1 ROE-380 ELECTRIC TERMINAL S-10, main supply 2 LINKAGE CABLE 1 ROE-395 SOUND BUTTON, test & service panel 1 ROE-396 SERVICE BUTTON 1 ROE-396 SERVICE BUTTON 1 ROE-396 DEMAGNETISATION BUTTON, test & service panel 1 ROE-397 PLASTIC GRAB HANDLE (2 REAR + 2 under control panel assembly) 1 ROE-398 SERVICE BUTTON 2 ROE-399 COUNTER 6VDC 3 COUNTER 6VDC 4 ROE-431 LEG LEVELER (included in the cabinet) 4 LEG LEVELER (included in the cabinet) 4 ROE-432 SCREW, 1001-10, 9 M 8x30, lateral panels fixing 2 ROE-354 CREW, 1001-10, 9 M 8x30, lateral panels fixing 3 COUFROL PANEL, screen printed plastic 4 ROE-521 RIGHT SIDE PANEL, screen printed plastic 5 CONTROL PANEL, with attraction panel and speaker grills 5 CONTROL PANEL, screen printed plastic 5 CONTROL PANEL, with attraction panel and speaker grills 5 CONTROL PANEL, screen printed plastic			
ROE-3535 SUPPORT, monitor remote control 1 ROE-3555 POWER SUPPLY 1 ROE-3556 CRÉDIT ADAPTOR PCB, for electronic coin acceptor 1 ROE-3586 CRÓLING EXTREME CPU BOARD 1 ROE-3588 MOTOR CONTROL UNIT 1 ROE-358 MOTOR CONTROL UNIT 1 ROE-358 MOTOR CONTROL UNIT 1 ROE-358 MOTOR CONTROL UNIT 1 ROE-368 S"SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-362 8" SPEAKER (SUBWOOFER) 100w / 4 OHMS, loudspeaker box 1 ROE-363 FAN, 220 VAC 120x120 1 ROE-363 FAN RAIL 2 ROE-363 FAN GRILL 2 ROE-365 FAN GRILL 2 ROE-366 VENTILATION GRILL 15X15, lower back panel 1 ROE-370 POWER CABLE 1 ROE-371 SOCKET, fluorescent tube 2 ROE-371 SOCKET, fluorescent tube 2 ROE-372 FLANSFORMER, 230 V / 18 - 0 - 18 V / 5 A / 180 VA, code 15962 1			
ROE-355 POWER SUPPLY 1 ROE-356 CRÉDIT ADAPTOR PCB, for electronic coin acceptor 1 ROE-357 ROLLING EXTREME CPU BOARD 1 ROE-360 5" SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-360 5" SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-360 8" SPEAKER (SUBWOOFER) 100w / 4 OHMS, loudspeaker box 1 ROE-363 FAN, 220 VAC 120x120 1 ROE-364 COMPACT FILTER & FUSE HOLDER UNIT, code 702F3G ILT 1 ROE-365 FAN GRILL 2 ROE-366 VENTILATION GRILL 15X15, rear door 1 ROE-367 VENTILATION GRILL 15X15, lower back panel 1 ROE-370 POWER CABLE 1 ROE-371 POWER CABLE 1 ROE-372 FUORESCENT 15W 1 ROE-373 BALLAST, fluorescent 1 ROE-373 BALLAST, fluorescent 1 ROE-380 CABINET WIRING (complete) 1 ROE-381 STRIP CONNECTOR 2x16 (GROUND) 1 ROE-382 STRIP CONNECTO			
ROE-356 CRÉDIT ADAPTOR PCB, for electronic coin acceptor 1			
ROE-357 ROLLING EXTREME CPU BOARD 1 ROE-358 MOTOR CONTROL UNIT 1 ROE-360 5" SPEAKER, 4 OHMS / 80 W 2 WAY code 35.1368 Kindvox 1 ROE-362 8" SPEAKER, (SUBWOOFER) 100w / 4 OHMS, loudspeaker box 1 ROE-363 FAN, 220 VAC 120x120 1 ROE-365 FAN GRILL 2 ROE-365 FAN GRILL 2 ROE-366 VENTILATION GRILL 15X15, rear door 1 ROE-377 POWER CABLE 1 ROE-370 POWER CABLE 1 ROE-371 SOCKET, fluorescent tube 2 ROE-372 FLUORESCENT 15W 1 ROE-373 BALLAST, fluorescent 1 ROE-375 TRANSFORMER, 230 V / 18 - 0 - 18 V / 5 A / 180 VA, code 15962 1 ROE-380 STRIP CONNECTOR 2216 (GROUND) 1 ROE-385 STRIP CONNECTOR 2216 (GROUND) 1 ROE-386 ELECTRIC TERMINAL S-10, main supply 2 ROE-389 LINKAGE CABLE 1 ROE-390 TEST & SERVICE PANEL 1	ROE-356		1
ROE-360 5" SPEAKER, 4 OHMS / 60 W 2 WAY code 35.1368 Kindvox 1 ROE-362 8" SPEAKER (SUBWOOFER) 100w / 4 OHMS, loudspeaker box 1 ROE-365 FAN, 220 VAC 120x120 1 ROE-364 COMPACT FILTER & FUSE HOLDER UNIT, code 702F3G ILT 1 ROE-365 FAN GRILL 2 ROE-366 VENTILATION GRILL 15X15, rear door 1 ROE-370 POWER CABLE 1 ROE-370 POWER CABLE 1 ROE-371 SOCKET, fluoresncent tube 2 ROE-371 SOCKET, fluorescent 1 ROE-373 BALLAST, fluorescent 1 ROE-375 TRANSFORMER, 230 V / 18 · 0 · 18 V / 5 A / 180 VA, code 15962 1 ROE-380 CABINET WIRING (complete) 1 ROE-386 STRIP CONNECTOR 2X16 (GROUND) 1 ROE-386 ELECTRIC TERMINAL S-10, main supply 2 ROE-389 TEST & SERVICE PANEL 1 ROE-395 SOUND BUTTON, test & service panel 1 ROE-396 SERVICE BUTTON 1 ROE-396 DEMAGNETISATION BUTTON, test & service panel 1 ROE-396 DEMAGNETISATION BUTTON, test & service panel 1 ROE-396 COUNTER 6VDC 1 ROE-431 LEG LEVELER (included in the cabinet) 4 ROE-432 REAR WHEEL (included in the cabinet) 2 ROE-433 SWIVELLING FRONT WHEEL (included in the cabinet) 2 ROE-431 SCREW, 1001-10,9 M 8x30, lateral panels fixing 20 ROE-551 SCREW, 1001-10,9 M 8x20 ROE-552 SCREW, 1001-10,9 M 8x20 ROE-552 LEFT SIDE PANEL, screen printed plastic 1 ROE-552 LEFT SIDE PANEL, screen printed plastic 1 ROE-552 CONTROL PANEL (SOVER) 1 ROE-552 CONTROL PANEL, screen printed plastic 1 ROE-552 CONTROL PANEL SCREEN CONTRO	ROE-357		1
ROE-362 8" SPEAKER (SUBWOOFER) 100w / 4 OHMS, loudspeaker box 1 ROE-363 FAN, 220 VAC 120x120 1 ROE-363 FAN, 220 VAC 120x120 1 ROE-365 FAN GRILL 2 COMPACT FILTER & FUSE HOLDER UNIT, code 702F3G ILT 1 ROE-365 FAN GRILL 15X15, rear door 1 ROE-366 VENTILATION GRILL 15X15, lower back panel 1 ROE-367 VENTILATION GRILL 15X15, lower back panel 1 ROE-371 SOCKET, fluorescent tube 2 ROE-371 SOCKET, fluorescent tube 2 ROE-372 FLUORESCENT 15W 1 ROE-373 BALLAST, fluorescent 1 ROE-373 BALLAST, fluorescent 1 ROE-375 TRANSFORMER, 230 V / 18 - 0 - 18 V / 5 A / 180 VA, code 15962 1 ROE-385 STRIP CONNECTOR 2X16 (GROUND) 1 ROE-385 STRIP CONNECTOR 2X16 (GROUND) 1 ROE-386 ELECTRIC TERMINAL S-10, main supply 2 ROE-389 LINKAGE CABLE 1 ROE-395 SOUND BUTTON, test & service panel 1 ROE-396 TEST & SERVICE PANEL 1 ROE-396 TEST & STITON 1 ROE-396 SERVICE BUTTON 1 ROE-396 SERVICE BUTTON 1 ROE-396 DEMAGNETISATION BUTTON, test & service panel 1 ROE-399 COUNTER & VDC 1 ROE-431 LEG LEVELER (included in the cabinet) 4 ROE-431 LEG LEVELER (included in the cabinet) 4 ROE-432 REAR WHEEL (included in the cabinet) 2 ROE-433 SWVELLING FRONT WHEEL (included in the cabinet) 2 ROE-440 ASHTRAY 2 ROE-451 SCREW, 1001-10,9 M 8x30, lateral panels fixing 20 ROE-510 ATTRACTION PANEL, screen printed plastic 1 ROE-520 LEFT SIDE PANEL, screen printed plastic 1 ROE-521 RIGHT SIDE PANEL, screen printed plastic 1 ROE-523 CONTROL PANEL COVER, screen printed plastic 1 ROE-523	ROE-358	MOTOR CONTROL UNIT	1
ROE-363	ROE-360		1
ROE-364	ROE-362		-
ROE-365 FAN GRILL 2 ROE-366 VENTILATION GRILL 15X15, rear door 1 ROE-367 VENTILATION GRILL 15X15, lower back panel 1 ROE-367 POWER CABLE 1 ROE-371 SOCKET, fluorescent tube 2 ROE-372 FLUORESCENT 15W 1 ROE-373 BALLAST, fluorescent 1 ROE-375 TRANSFORMER, 230 V / 18 - 0 - 18 V / 5 A / 180 VA, code 15962 1 ROE-380 CABINET WIRING (complete) 1 ROE-381 CABINET WIRING (complete) 1 ROE-382 STRIP CONNECTOR 2X16 (GROUND) 1 ROE-383 ELECTRIC TERMINAL S-10, main supply 2 ROE-386 ELECTRIC TERMINAL S-10, main supply 2 ROE-389 TEST & SERVICE PANEL 1 ROE-399 TEST & SERVICE PANEL 1 ROE-395 SOUND BUTTON, test & service panel 1 ROE-396 DEMAGNETISATION BUTTON, test & service panel 1 ROE-399 COUNTER 6VDC 1 ROE-419 ELECTRONIC COIN ACCEPTOR 1 <td></td> <td></td> <td></td>			
ROE-366 VENTILATION GRILL 15X15, rear door 1 ROE-367 VENTILATION GRILL 15X15, lower back panel 1 ROE-370 POWER CABLE 1 ROE-371 SOCKET, fluorescent tube 2 ROE-372 FLUORESCENT 15W 1 ROE-373 BALLAST, fluorescent 1 ROE-375 TRANSFORMER, 230 V / 18 - 0 - 18 V / 5 A / 180 VA, code 15962 1 ROE-385 TRANSFORMER, 230 V / 18 - 0 - 18 V / 5 A / 180 VA, code 15962 1 ROE-385 CABINET WIRING (complete) 1 ROE-386 CABINET WIRING (complete) 1 ROE-385 STRIP CONNECTOR 2X16 (GROUND) 1 ROE-386 ELECTRIC TERMINAL S-10, main supply 2 ROE-389 LINKAGE CABLE 1 ROE-389 TEST & SERVICE PANEL 1 ROE-390 TEST & SERVICE PANEL 1 ROE-396 TEST BUTTON 1 ROE-396 TEST BUTTON 1 ROE-396 DEMAGNETISATION BUTTON, test & service panel 1 ROE-419 ELECTRONIC COIN ACCEPTOR <t< td=""><td></td><td></td><td></td></t<>			
ROE-367 VENTILATION GRILL 15X15, lower back panel 1 ROE-370 POWER CABLE 1 ROE-371 SOCKET, fluorescent tube 2 ROE-372 FLUORESCENT 15W 1 ROE-373 BALLAST, fluorescent 1 ROE-375 TRANSFORMER, 230 V / 18 - 0 - 18 V / 5 A / 180 VA, code 15962 1 ROE-380 CABINET WIRING (complete) 1 ROE-385 STRIP CONNECTOR 2X16 (GROUND) 1 ROE-385 STRIP CONNECTOR 2X16 (GROUND) 1 ROE-386 ELECTRIC TERMINAL S-10, main supply 2 ROE-387 LINKAGE CABLE 1 ROE-389 LINKAGE CABLE 1 ROE-390 TEST & SERVICE PANEL 1 ROE-391 TEST BUTTON 1 ROE-396 TEST BUTTON 1 ROE-396 DEMAGNETISATION BUTTON, test & service panel 1 ROE-491 DEMAGNETISATION BUTTON, test & service panel 1 ROE-419 ELECTRONIC COIN ACCEPTOR 1 ROE-421 PLASTIC GRAB HANDLE (2 REAR + 2 under control panel assembly)			
ROE-370 POWER CABLE 1 ROE-371 SOCKET, fluoresncent tube 2 ROE-372 FLUORESCENT 15W 1 ROE-373 BALLAST, fluorescent 1 ROE-375 TRANSFORMER, 230 V / 18 - 0 - 18 V / 5 A / 180 VA, code 15962 1 ROE-380 CABINET WIRING (complete) 1 ROE-385 STRIP CONNECTOR 2X16 (GROUND) 1 ROE-386 ELECTRIC TERMINAL S-10, main supply 2 ROE-389 LINKAGE CABLE 1 ROE-390 TEST & SERVICE PANEL 1 ROE-390 TEST & SERVICE PANEL 1 ROE-396 TEST BUTTON 1 ROE-396 SERVICE BUTTON 1 ROE-396 SERVICE BUTTON 1 ROE-399 COUNTER 6VDC 1 ROE-419 ELECTRONIC COIN ACCEPTOR 1 ROE-421 PLASTIC GRAB HANDLE(2 REAR + 2 under control panel assembly) 4 ROE-431 LEG LEVELER (included in the cabinet) 2 ROE-432 REAR WHEEL (included in the cabinet) 2 R			
ROE-371 SOCKET, fluorescent tube 2 ROE-372 FLUORESCENT 15W 1 ROE-373 BALLAST, fluorescent 1 ROE-375 TRANSFORMER, 230 V / 18 - 0 - 18 V / 5 A / 180 VA, code 15962 1 ROE-385 TRANSFORMER, 230 V / 18 - 0 - 18 V / 5 A / 180 VA, code 15962 1 ROE-385 STRIP CONNECTOR 2X16 (GROUND) 1 ROE-386 ELECTRIC TERMINAL S-10, main supply 2 ROE-389 LINKAGE CABLE 1 ROE-390 TEST & SERVICE PANEL 1 ROE-391 TEST & SERVICE PANEL 1 ROE-392 SOUND BUTTON, test & service panel 1 ROE-393 SERVICE BUTTON 1 ROE-396 SERVICE BUTTON 1 ROE-397 COUNTER 6VDC 1 ROE-398 COUNTER 6VDC 1 ROE-419 ELECTRONIC COIN ACCEPTOR 1 ROE-421 PLASTIC GRAB HANDLE(2 REAR + 2 under control panel assembly) 4 ROE-431 LEG LEVELER (included in the cabinet) 2 ROE-432 REAR WHEEL (included in the cabine			
ROE-372 FLUORESCENT 15W 1 ROE-373 BALLAST, fluorescent 1 ROE-380 CABINET WIRING (complete) 1 ROE-380 CABINET WIRING (complete) 1 ROE-385 STRIP CONNECTOR 2X16 (GROUND) 1 ROE-386 ELECTRIC TERMINAL S-10, main supply 2 ROE-389 LINKAGE CABLE 1 ROE-390 TEST & SERVICE PANEL 1 ROE-395 SOUND BUTTON, test & service panel 1 ROE-396 TEST BUTTON 1 ROE-396 SERVICE BUTTON 1 ROE-396 DEMAGNETISATION BUTTON, test & service panel 1 ROE-399 COUNTER 6VDC 1 ROE-419 ELECTRONIC COIN ACCEPTOR 1 ROE-421 PLASTIC GRAB HANDLE(2 REAR + 2 under control panel assembly) 4 ROE-431 LEG LEVELER (included in the cabinet) 2 ROE-432 REAR WHEEL (included in the cabinet) 2 ROE-433 SWIVELLING FRONT WHEEL (included in the cabinet) 2 ROE-541 SCREW, 1001-10,9 M 8x30, lateral panel			
ROE-373 BALLAST, fluorescent 1 ROE-375 TRANSFORMER, 230 V / 18 - 0 - 18 V / 5 A / 180 VA, code 15962 1 ROE-380 CABINET WIRING (complete) 1 ROE-385 STRIP CONNECTOR 2X16 (GROUND) 1 ROE-386 ELECTRIC TERMINAL S-10, main supply 2 ROE-389 LINKAGE CABLE 1 ROE-390 TEST & SERVICE PANEL 1 ROE-395 SOUND BUTTON, test & service panel 1 ROE-396 TEST BUTTON 1 ROE-396 SERVICE BUTTON 1 ROE-396 DEMAGNETISATION BUTTON, test & service panel 1 ROE-399 COUNTER 6VDC 1 ROE-419 ELECTRONIC COIN ACCEPTOR 1 ROE-419 ELECTRONIC COIN ACCEPTOR 1 ROE-421 PLASTIC GRAB HANDLE (2 REAR + 2 under control panel assembly) 4 ROE-431 LEG LEVELER (included in the cabinet) 2 ROE-432 REAR WHEEL (included in the cabinet) 2 ROE-433 SWIVELLING FRONT WHEEL (included in the cabinet) 2 ROE-541			
ROE-375 TRANSFORMER, 230 V / 18 - 0 - 18 V / 5 A / 180 VA, code 15962 1 ROE-380 CABINET WIRING (complete) 1 ROE-385 STRIP CONNECTOR 2X16 (GROUND) 1 ROE-386 ELECTRIC TERMINAL S-10, main supply 2 ROE-389 LINKAGE CABLE 1 ROE-390 TEST & SERVICE PANEL 1 ROE-395 SOUND BUTTON, test & service panel 1 ROE-396 TEST BUTTON 1 ROE-396 DEMAGNETISATION BUTTON, test & service panel 1 ROE-399 COUNTER 6VDC 1 ROE-419 ELECTRONIC COIN ACCEPTOR 1 ROE-421 PLASTIC GRAB HANDLE(2 REAR + 2 under control panel assembly) 4 ROE-431 LEG LEVELER (included in the cabinet) 4 ROE-432 REAR WHEEL (included in the cabinet) 2 ROE-433 SWIVELLING FRONT WHEEL (included in the cabinet) 2 ROE-251 SCREW, 1001-10,9 M 8x30, lateral panels fixing 20 ROE-252 SCREW, 1001-10,9 M 6x20 20 ROE-520 LEFT SIDE PANEL, screen printed plastic 1 </td <td></td> <td></td> <td></td>			
ROE-380 CABINET WIRING (complete) 1 ROE-385 STRIP CONNECTOR 2X16 (GROUND) 1 ROE-386 ELECTRIC TERMINAL S-10, main supply 2 ROE-389 LINKAGE CABLE 1 ROE-390 TEST & SERVICE PANEL 1 ROE-395 SOUND BUTTON, test & service panel 1 ROE-396 TEST BUTTON 1 ROE-396 SERVICE BUTTON 1 ROE-396 DEMAGNETISATION BUTTON, test & service panel 1 ROE-399 COUNTER 6VDC 1 ROE-499 COUNTER 6VDC 1 ROE-419 ELECTRONIC COIN ACCEPTOR 1 ROE-421 PLASTIC GRAB HANDLE(2 REAR + 2 under control panel assembly) 4 ROE-421 LEG LEVELER (included in the cabinet) 2 ROE-431 LEG LEVELER (included in the cabinet) 2 ROE-432 REAR WHEEL (included in the cabinet) 2 ROE-433 SWIVELLING FRONT WHEEL (included in the cabinet) 2 ROE-251 SCREW, 1001-10,9 M 8x30, lateral panels fixing 2 ROE-522 SC	ROE-375		
ROE-386 ELECTRIC TERMINAL S-10, main supply 2 ROE-389 LINKAGE CABLE 1 ROE-390 TEST & SERVICE PANEL 1 ROE-395 SOUND BUTTON, test & service panel 1 ROE-396 TEST BUTTON 1 ROE-396 SERVICE BUTTON 1 ROE-396 DEMAGNETISATION BUTTON, test & service panel 1 ROE-399 COUNTER 6VDC 1 ROE-419 ELECTRONIC COIN ACCEPTOR 1 ROE-419 ELECTRONIC COIN ACCEPTOR 1 ROE-421 PLASTIC GRAB HANDLE(2 REAR + 2 under control panel assembly) 4 ROE-421 PLASTIC GRAB HANDLE(2 REAR + 2 under control panel assembly) 4 ROE-431 LEG LEVELER (included in the cabinet) 2 ROE-432 REAR WHEEL (included in the cabinet) 2 ROE-433 SWIVELLING FRONT WHEEL (included in the cabinet) 2 ROE-421 ASHTRAY 2 ROE-251 SCREW, 1001-10,9 M 8x30, lateral panels fixing 20 ROE-519 ATTRACTION PANEL, screen printed plastic 1 <	ROE-380		1
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ROE-523 CONTROL PANEL COVER, screen printed plastic (PET) 1			
RUE-374 PRUTEUTUR DIACK DIAKEDE (DADDIEDAR COUISE COVER)	ROE-523	PROTECTOR, black plakene (handlebar course cover)	1
	ROE-524		

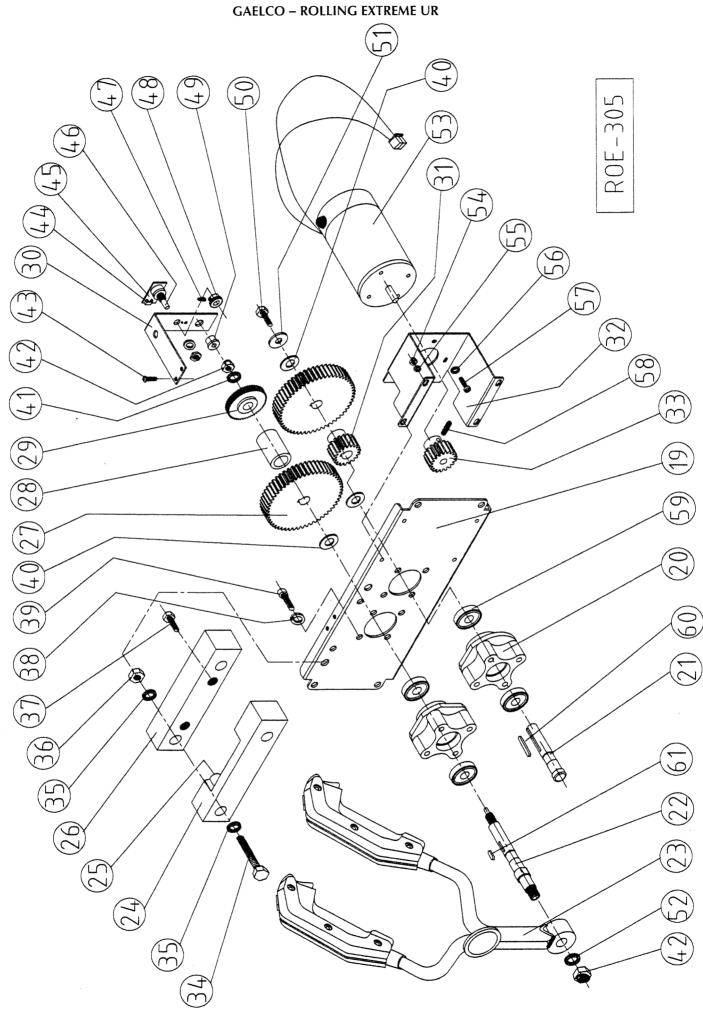
10.2 HANDLEBAR SUB-ASSEMBLY (ROE-310)

POS.	DESCRIPTION	ROE CODE	MANUF. CODE	QTY
1	LEFT HANDEL, grip	ROE-321	C-36-HC01010205	2
2	NUT M4	ROE-322	C-22-02014	2
3	TOP PUSH BUTTON	ROE-323	C-36-HC01020103	2
4	SPRING, top push button	ROE-324	C-36-HC01031101	2
5	SPRING, trigger	ROE-325	C-36-HC01031102	2
6	BOLT, trigger	ROE-326	C-36-HC01060000	2
7	TRIGGER	ROE-327	C-36-HC01020201	2
8	RUBBER STOPPER, trigger	ROE-328	C-36-HC01060100	2
9	RIGHT HANDLE, grip	ROE-329	C-36-HC01010105	2
10	SCREW DIN7985 M4x25	ROE-330	C-22-0105425	2
11	SCREW ISO DIN7380 M5x8	ROE-331	C-22-0115508	8
12	MICROSWITCH, trigger	ROE-332	C-36-HC01040201	2
13	MICROSWITCH, top push button	ROE-333	C-36-HC01040101	2
14	HANDLEBAR	ROE-311	C-36-4080309	1
15	LOGO DISK, zamak	ROE-312		1
16	HARNESS, handlebar	ROE-313		2
17	HARNESS PROTECTION	ROE-314		2
18	CONNECTOR	ROE-315		1



10.3 MECHANICAL INTERFACE SUB-ASSEMBLY (ROE-305)

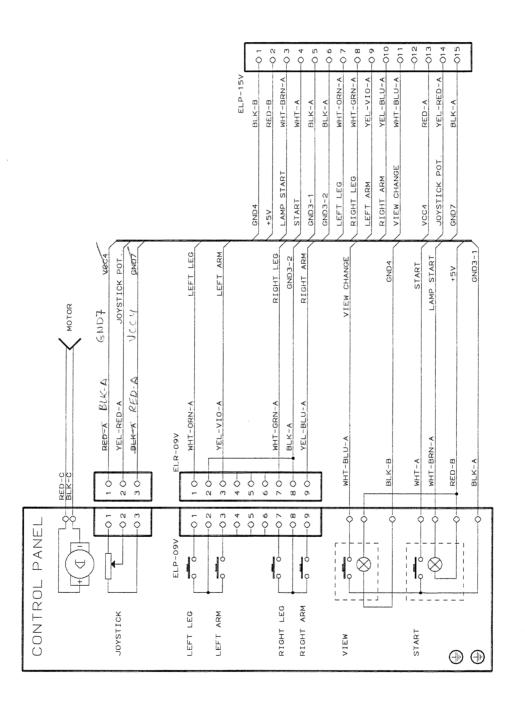
POS.	DESCRIPTION	MANUF. CODE	QTY
19	ATTACHMENT PLATFORM	S-40-8010101	1
20	BEARING HOUSING	C-40-000310	2
21	TRANSMISSION SHAFT	C-40-800310	1
22	HANDLEBAR SHAFT	C-40-800300	1
23	HANDLEBAR ASSEMBLY	ROE-310	1
24	STOPPER BRACKET, plastic	C-40-804107	1
25	STOPPER, neoprene	C-40-070023	2
26	STOPPER BLOCK, plastic	C-40-804007	1
27	PINION Z=54 M2	C-40-802108	2
28	SLEEVE, handlebar shaft	S-40-8004001	1
29	GEARWHEEL Z80 M.0.75, plastic	C-40-022087	1
30	POTENTIOMETER BRACKET	C-40-801040	1
31	PINION Z=18 M2	C-40-808236	1
32	MOTOR BRACKET	S-40-8050101	1
33	MOTOR PINION Z=18 M2	C-40-802036	1
34	SCREW, Hex.DIN 933 M10 X90	C-22-01031090	2
35	WASHER, Ade DIN 6798/A 10 m/m	C-22-030810	4
36	NUT, Hex. DIN 934 M10	C-22-020110	2
37	SCREW Hex. DIN 933 M8X16	C-22-0103816	2
38		C-22-03068	8
39		C-22-0112820	8
40	WASHER PS 15X21X1 DIN 988	C-22-03601522	3
41	WASHER AET M12	C-22-030412	2 2 2 1
42		C-22-020212	2
43	SCREW Hex. / DIN 933 M4X8	C-22-0103481	2
44	CONNECTOR, 3 pin, potentiometer PCB	ROE-342	
45	POTENTIOMETER PCB, assembled	ROE-340	1
46	POTENTIOMETER 5K	ROE-341	1
47	BOLT allen DIN 913 M4X6	C-22-0501406	1
48	POTENTIOMETER PINION, brass	C-40-401510	1
49	SLEEVE B10X6X10	C-43-050300	1
50		C-22-0103810	1
51	,	C-22-03038	1
52		C-22-030812	1
53	MOTOR, 20V / 3.9ADC - model 1582	C-29-401580	1
54	NUT DIN 985 M5, self-block	C-22-02025	4
55	WASHER DIN 125 M5, flat	C-22-03015	4
56	WASHER, Ade DIN 6798/A 4 m/m	C-22-03084	4
57	SCREW DIN 7985 M4X10	C-22-0105410	4
58	BOLT allen DIN 913 M5X16	C-22-0501516	1
59	BEARING 6002 ZZ	C-40-206002	4
60	KEY WODRUF DIN 6885 F.114 5X5X45		1
61	KEY WODRUF DIN 6885 F.114 5X5X18		1



11. WIRING DIAGRAMS

INDEX

- 11.1 CABINET WIRING DIAGRAM
- 11.2 CPU WIRING DIAGRAM
- 11.3 CONTROLS WIRING DIAGRAM
- 11.4 SPEAKERS WIRING DIAGRAM
- 11.5 ELECTRONIC COIN DOOR DIAGRAM
- 11.6 MECHANIC COIN DOOR DIAGRAM
- 11.7 POWER WIRING DIAGRAM
- 11.8 GROUND WIRING DIAGRAM



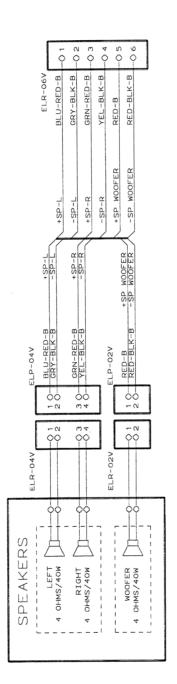
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ROLLING EXTREME

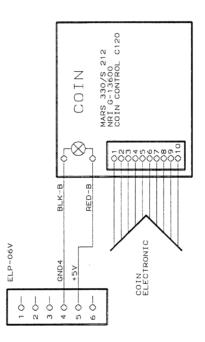
Title CONTROL WIRING DIAGRAM
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Date: May 3, 1999 [Sheet 4 of

A - WIRE OF 0.25mm B - WIRE OF 0.50mm C - WIRE OF 0.75mm D - WIRE OF 1.00mm E - WIRE COAXIAL





A - WIRE OF 0.25mm B - WIRE OF 0.50mm C - WIRE OF 0.75mm D - WIRE OF 1.00mm E - WIRE COAXIAL 11.5 ELECTRONIC COIN DOOR - WIRING DIAGRAM

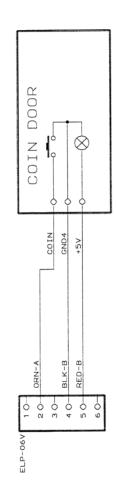


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Size Document Number
B MANN-CC.SCH
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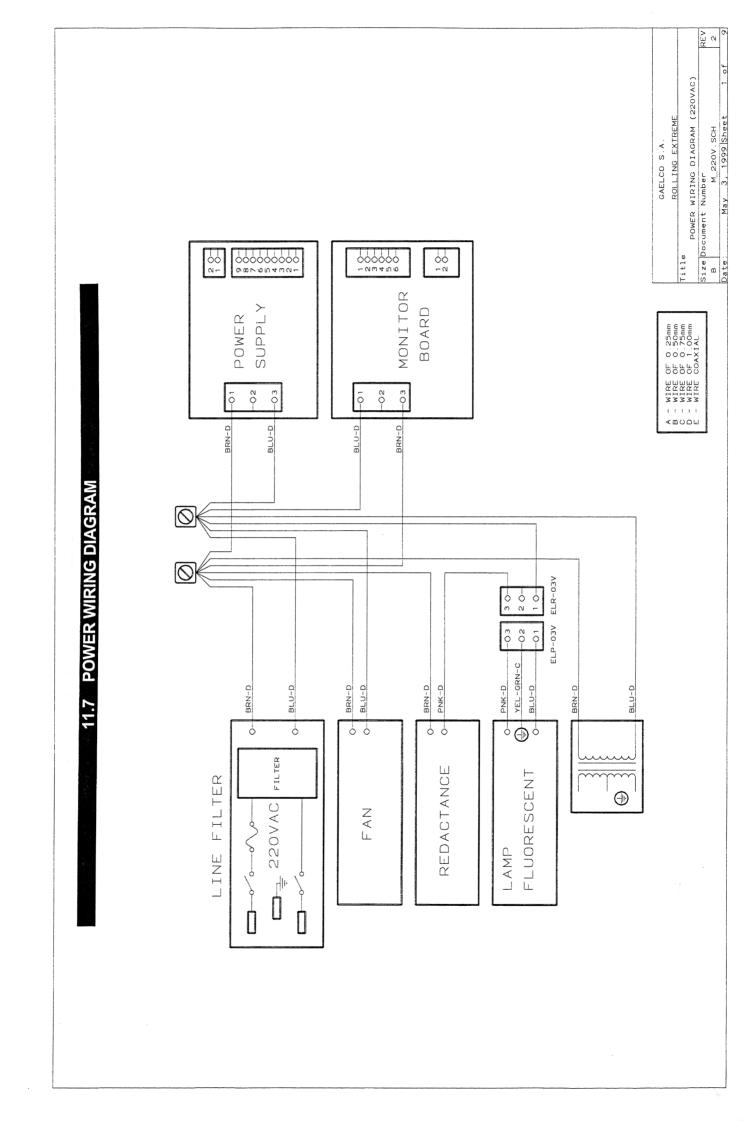
GAELCO S.A.

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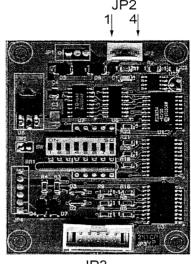


12. CREDIT DISTRIBUTOR SETUP

JP1: Not used JP2: Cabinet

JP3: Coin controller

JP4: Not used



JP3

Connector JP2 This connector should be connected to Surf Planet PCB wiring

JP2	Description:	Values:	Source/Destination:
Pin 1	Input GND	GND	GND power supply
Pin 2	Input VDC	+12 VDC	DC power supply
Pin 3	Counter output	0/+5/+12 VDC	Coin counter
Pin 4	Credits output	+5/0 VDC	Credits for CPU

Connector JP3

Input connector of electronic coin controller, programmable per channels.

PIN	Signal	Active
1	0V	0V
2	+12VDC	+12VDC
3	Output 5	0V
4	Output 6	0V
5		
6	Lock	High
7	Output 1	0V
8	Output 2	0V
9	Output 3	0V
10	Output 4	0V

9	7	5	3	1
10	8	6	4	2

Note: Layout view corresponding to components side

PROGRAMMING OF COIN CONTROLLERS

Controllers supported:

COIN CONTROL

C-120

NRI

G-13.6000

MARS

CASHFLOW 330

MARS 330/S 212	OPA	OPB	OPC	OPD	OPE	OPF
NRI G-13.6000	Channel	Channel	Channel	Channel	Channel	Channel
	1	2	3	4	5	6
Coin Control C 120	Coin 1	Coin 2	Coin 3	Coin 4	Coin 5	Coin 6
PIN Controller:	7	8	9	10	3	4
Germany	==	==	5 DM	==	2 DM	1 DM
Switzerland	==	==	5 FS	==	2 FS	1 FS
France	20FF	10 FF	5 FF	==	2 FF	1 FF
Italy	==	==	500 L	==	200 L	100 L
USA	==	==	==	1\$	50 Ct	25 Ct
Great Britain	==	1 £	50 Pe	==	20 Pe	10 Pe
Spain	500Pt	==	200 Pt	100 Pt	50Pt	25 Pt
Australia	==	==	5\$	==	2 \$	1\$
Belgium	==	==	50 FB	==	20 FB	==
Norway	20 Kr	10 Kr	5 Kr	==	==	1 Kr
Greece	==	==	==	==	100 Dr	50 Dr
Portugal	==	==	==	200 ESC	100ESC	50ESC

SWITCH SETUP

SW1: Always OFF

SW2:Coin multiplication factor

SW2= OFF	Channel:	1	2	3	4	5	6
(Europe except Spain)	Value:	x 20	x 10	x 5	x 4	x 2	x 1
SW2= ON	Channel:	1	2	3	4	5	6
(Spain and USA)	Value:	x 20	x 10	x 8	x 4	x 2	x 1

SW3:Not used

SW4-SW5: Extra Credits (Bonuses)

Combination of these two dip switches is used to program bonuses (free games)m according to the scale shown in the table. The table varies according to the game price selected.

SW6-SW7-SW8: Game Price

These dip switches are used to choose the game price. The bonus table shows the combination of game prices with the payments that allow the player to obtain extra games (bonuses).

	CREDITS table			BONUS table(SW4/SW5)			
SW6	SW7	SW8	Val/Cr	off/off	on/off	Off/on	on/on
off	Off	off	1	0	5	4	2
on	Off	off	2	0	5	4	2
off	On	off	3	0	*5	3	6
on	On	off	4	0	20	16	8
off	Off	on	5	0	25	20	10
on	Off	on	8	0	20	16	8
off	On	on	10	0	25	20	10
on	On	on	12	0	20	16	24

^(*)Adds another credit for the second lap.

APPLICATION EXAMPLES

Example No. 1

Spain:	SW1=	off	SERIAL input. (25 Pt via PIN 8) = (Channel 6)
	SW2=	on	Input values x1 x2 x4 x8 x20
	SW3=		Not used.
	SW4=	on	EXTRA credit for 500Pt.
	SW5=	off	
25 Pts = 1	SW6=	on	8 pulses / 1 credit.
pulse	SW7=	off	
	SW8=	on	
RESULT:		2	200 Pts /1 credit; 500 Pts / 3 credits;

Example No. 2

Germany:	SW1=	off	SERIAL input. (1 DM via PIN 8) = (Channel 6)
	SW2=	off	Input values x1 x2 x5
	SW3=		Not used.
	SW4=	on	EXTRA credit on the 5th Coin.
	SW5=	off	
1 DM = 1 pulse	SW6=	off	1 pulse / 1 credit.
	SW7=	off	
	SW8=	off	
RESULT:		<u> </u>	1 DM /1 credit; 5 DM / 6 credits;

Example No. 3

France (1):	SW1=	off	SERIAL input. (5 FF via PIN 5) = (Channel 3)
, ,	SW2=	off	Input values x1 x2 x5
	SW3=		Not used
	SW4=	off	EXTRA credit on the 20th pulse (=20FF)
	SW5=	on	
1 FF = 1 pulse	SW6=	off	5 pulses / 1 credit.
	SW7=	off	
	SW8=	on	
RESULT:			5 FF /1 credit; 20 FF / 5 credits;

APPLICATION EXAMPLES

Example No. 4

France (2):	SW1=	off	SERIAL input. (5 FF via PIN 5) = (Channel 3)
	SW2=	off	Input values x1 x2 x5
	SW3=		Not used
	SW4=	off	EXTRA credit on the 20th pulse (=20 FF)
	SW5=	on	. , ,
1 FF = 1 pulse	SW6=	off	10 pulses / 1 credit.
	SW7=	on	
	SW8=	on	
RESULT:		_	10 FF /1 credit; 20 FF / 3 credits

Example No. 5

Great Britain :	SW1=	off	SERIAL input. (10 Pen via PIN 8) = (Channel 6)		
,	SW2=	off	Input values x1 x2 x5		
	SW3=		Not used.		
	SW4=	on	EXTRA credits on the 5th pulse (= 50 Pen)		
	SW5=	off	and 10th pulse (=1 £)		
10 Pen=1 pulse	SW6=	off	3 pulses / 1 credit.		
	SW7=	on			
	SW8=	off			
RESULT:		30 Pn /1 cred.; 50 Pn /2 cred.; 1 £ / 5 cred.			

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GAELCO - ROLLING EXTREME UR

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