





V 3.5

ISO 9001 CERTIFIED ORGANIZATION



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SAFETY PRECAUTIONS

The following safety precautions and advisories are used throughout this manual and are defined as follows.

* WARNING! *

Disregarding this text could result in **serious injury**.

* CAUTION! *

Disregarding this text could result in damage to the machine.

* NOTE! *

■ An advisory text to hint or help understanding.



BE SURE TO READ THE FOLLOWING



* WARNING! *

<u>Always</u> turn **OFF** Mains AC power and unplugged the game, before opening or replacing any parts.

<u>Always</u> when unplugging the game from an electrical outlet, grasp the plug, not the line cord.

<u>Always</u> connect the Game Cabinet to grounded electrical outlet with a securely connected ground line.

<u>**Do Not**</u> install the Game Cabinet outdoors or in areas of high humidity, direct water contact, dust, high heat or extreme cold.

<u>**Do Not**</u> install the Game Cabinet in areas that would present an obstacle in case of an emergency, i.e. near fire equipment or emergency exits.

* CAUTION! *

<u>Always</u> use a Digital Multimeter, logic tester or oscilloscope for testing integrated circuit (IC) logic PC boards. The use of a continuity tester is not permitted.

<u>**Do Not**</u> Connect or disconnect any of the integrated circuit (IC) logic PC boards while the power is **ON**.

<u>Do Not</u> use any fuse that does not meet the specified rating.

<u>**Do Not**</u> Subject the game cabinet to extreme temperature variations. Reliability of electrical components deteriorates rapidly over 60 °C.



MACHINE INSTALLATION and INSPECTION

When installing and inspecting "*Ripper Ribbit*", be very careful of the following points and pay attention to ensure that the players can enjoy the game safely.

■ Be sure to turn the power **OFF** before working on the machine.

* WARNING! *

<u>Always</u> Turn **OFF** mains power before removing safety covers and refit all safety covers when work is completed.

- Make sure the power cord is not exposed on the surface (floor, ground, etc.) where people walk through.
- Check that the rubber glide feet levelers are set evenly on the floor so that the game cabinet is unable to roll and is stable.
- Always make complete connections for the integrated circuit (IC) logic PC Boards and other connectors. Insufficient insertion can damage the electrical components.

* CAUTION! *

<u>**Before**</u> switching the machine on be sure to check that it has been set on the correct voltage for your area!

<u>Refer</u> to the mains voltage adjustment section of this manual. Machines are normally shipped on 220V AC unless otherwise specified.

- Only qualified personnel should inspect or test the integrated circuit (IC) logic PC Boards.
- If any integrated circuit (IC) logic PC Boards should need servicing. Please contact the nearest LAI GAMES distributor. (Refer to the back page of this manual)



INTRODUCTION

CONGRATULATIONS! You have just bought the "*Ripper Ribbit*", another great product from *LAI GAMES*. The pond is buzzing with activity and this is one hungry frog. In this fast action game the players have to judge the timing of the frog's tongue to catch the insects but watch out for the spiders. It will keep your players amused for hours.

We hope you take the time to read this manual and learn about the many other features and user-friendly adjustments that can be made to "fine-tune" the game for maximum earning potential.

DESCRIPTION

The "Ripper Ribbit" is a single player fast action ticket redemption game. Players aim to catch as many insects before the game timer expires. The more insects caught, the more tickets won.

PACKAGING

■ At delivery, the machine should arrive in good condition. To move the packaged machine for transport or placement, use a forklift and take care not to hit the package or stack heavy objects on top, as this may cause damage to the machine.

CONTENTS

- The "Ripper Ribbit" cabinet
- Keys: 2 x coin door keys

2 x coin box keys

2 x back door keys

2 x ticket door keys

- Operator's manual
- IEC Power Cord (In cash box)
- Parts & Accessories (In cash box)





SPECIFICATIONS

DIMENSIONS

■ Weight: 143 kg (316 lb)
■ Height: 1920mm (75")
■ Width: 680mm (28")
■ Length: 1055mm (42")

■ Power: Maximum 450 W - (220 W @ 2.1 A)(120 W @ 3.8 A)

ELECTRIC SUPPLY

■ The game has the option to operate on a 110V, 120V, 220V or 240V AC 50/60Hz single phase mains electric supply.

The supply must be a three wire grounded supply.

* CAUTION! *

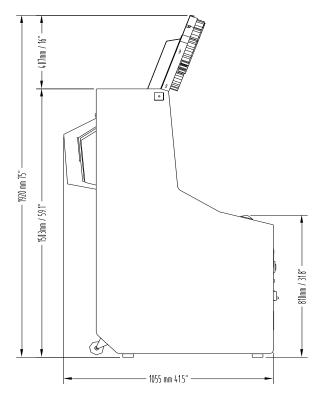
<u>**Before**</u> switching the machine on be sure to check that it has been set on the correct voltage for your area!

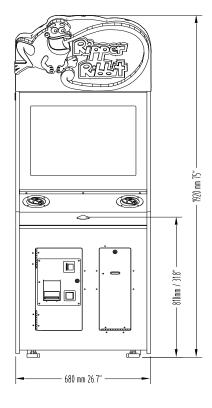
<u>Please</u> Refer to the mains voltage adjustment section of this manual. Machines are normally shipped on 220V AC unless otherwise specified.

LOCATION REQUIREMENTS

■ Ambient temperature: between 5°C and 40°C.

Ambient humidity: Low
 Ambient U.V. radiation: Very low
 Vibrations level: Low





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HOW TO PLAY

PLAYERS TIME THE FROG'S TONGUE TO CATCH INSECTS AND SCORE POINTS FOR TICKETS

- Insert coin/s for credits.
- Press the button to begin a game.
- Use the button to time the frog's tongue to catch the insects.
- The more insects you can catch the more points you will get before the game timer expires.
- Bonus points are awarded for every falling cherry you catch.
- Getting the frog's tongue caught by the spider will result in lost time.
- Tickets are awarded based on number of points achieved during the game.
- At the end of a game, Extra Tickets can be won by hitting the button during the Bonus Screen.

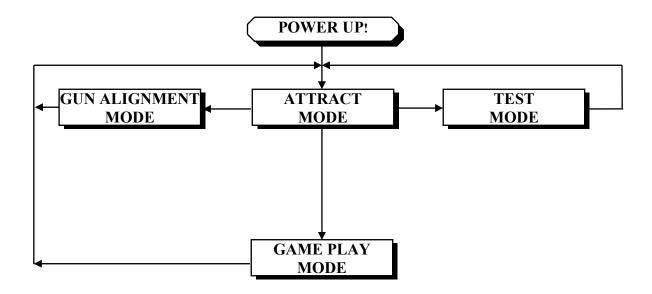




OPERATION

The "*Ripper Ribbit*" game has three operational modes: Attract mode, Game Play mode and Test Mode.

OPERATIONAL DIAGRAM



ATTRACT MODE

■ The Attract mode provides game sound and display while the game is not being played. This feature is to attract potential customers to play the game.

GAME PLAY MODE

■ The Ripper Ribbit has two play modes. The Standard *Coin Play* mode, where a coin, or coins are inserted. Or *Free Play* where no coins are necessary.

COIN PLAY

The *Coin Play* mode is entered from Attract mode, by inserting coins in any of the two coin slots on the front of the machine cabinet, then following the instructions in the "How to Play" section of this manual.

FREE PLAY

For a single free game, just press the Service button once. When issuing single free games in this manner, Tickets can be won as normal.

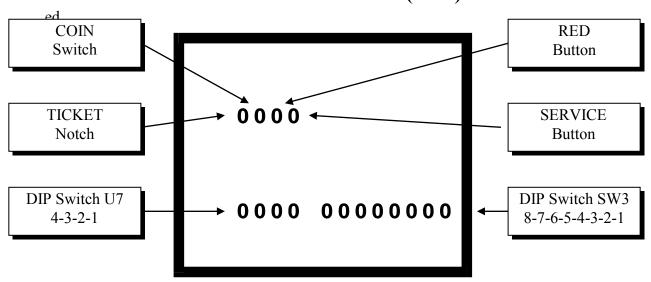


TEST MODE

The Ripper Ribbit has a *Test Mode* from which you can see game settings and test the switch inputs.

(Refer to the Test Mode Screen below).

TEST MODE SCREEN (V3.5)



TEST MODE PROCEDURE

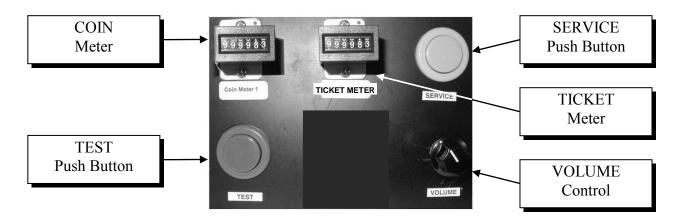
- ENTER The *Test Mode* can be entered by pressing the red Test button located on the service bracket while in Attract mode once.
- TEST Activating any of the switches will change the value from zero to 1 on the test screen.

■ DIP SWITCH SETTINGS

The two lower rows of zeros show the current settings of the DIP switch options.

■ **EXIT** The *Test mode* is exited by pressing the red Test button once.

SERVICE BRACKET



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DIP SWITCH SETTINGS

Located near the Edge Connector of the Video Game PCB are two DIP Switches. One 8-Way DIP Switch marked as SW3 and a 4-way DIP Switch marked as U7. Use the DIP Switch table below to set the desired options for Ripper Ribbit.

DIP SWITCH TABLES (V3.5)

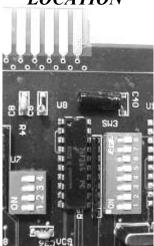
DIP Switch SW3	1	2	3	4	5	6	7	8
No. of Points per Ticket								
1000 Points per Ticket	ON	ON	ON					
800 Points per Ticket	ON	ON	OFF					
700 Points per Ticket >	O N	OFF	O N					
600 Points per Ticket	ON	OFF	OFF					
500 Points per Ticket	OFF	ON	ON					
400 Points per Ticket	OFF	ON	OFF					
300 Points per Ticket	OFF	OFF	ON					
200 Points per Ticket	OFF	OFF	OFF					
Bonus Screen Settings								
Screen Set No.1				ON	ON			
Screen Set No.2				O N	OFF			
Screen Set No.3				OFF	ON			
Screen Set No.4				OFF	OFF			
Initial Bonus Tickets								
No Bonus Tickets						ON	ON	ON
Starts at 5 Tickets						ON	ON	OFF
Starts at 10 Tickets						ON	OFF	ON
Starts at 15 Tickets						O N	OFF	OFF
Starts at 20 Tickets						OFF	ON	ON
Starts at 25 Tickets						OFF	ON	OFF
Starts at 30 Tickets						OFF	OFF	ON
Starts at 35 Tickets						OFF	OFF	OFF

➤ Factory Default Settings

	1	1		1
DIP Switch U7	1	2	3	4
No. Coin(s) per Credit(s)				
1 Coin for 1 Credit	O N	O N		
2 Coins for 1 Credit	ON	OFF		
3 Coins for 1 Credit	OFF	ON		
1 Coin for 2 Credits	OFF	OFF		
Attract Sound				
No Attract Sound			ON	
Play every 3 min.			OFF	
Bonus Tickets Increment				
Fixed Bonus Tickets				ON
Increment 1 ticket per game				OFF

➤ Factory Default Settings

DIP SWITCH LOCATION







SETTINGS DETAILED

■ NUMBER OF POINTS PER TICKET

This sets the *Number of Points* needed for each Ticket won. The number of points per ticket is controlled by DIP Switch SW3 - 1 to 3.

No. of Points per Ticket	1	2	3	4	5	6	7	8
1000 Points per Ticket	ON	ON	ON					
800 Points per Ticket	ON	ON	OFF					
700 Points per Ticket >	O N	OFF	O N					
600 Points per Ticket	ON	OFF	OFF					
500 Points per Ticket	OFF	ON	ON					
400 Points per Ticket	OFF	ON	OFF					
300 Points per Ticket	OFF	OFF	ON					
200 Points per Ticket	OFF	OFF	OFF					

■ BONUS SCREEN SETTINGS

This sets the *Bonus Screen Set* for extra tickets that can be won during the Bonus Screen round at the end of the game. The number of tickets on each moving pad is controlled by DIP Switch SW3 – 4 & 5.

Bonus Screen Settings	1	2	3	4	5	6	7	8
Screen Set No.1				ON	ON			
Screen Set No.2				O N	OFF			
Screen Set No.3				OFF	ON			
Screen Set No.4				OFF	OFF			

The ticket values run clock-wise from the Bonus (Jackpot) value [J]. The starting point for the paten and is random located each bonus screen round. If Initial Bonus Tickets is set to No Bonus Tickets it will be replaced by the highest ticket value in the Bonus Screen Set.



Bonus Screen Ticket Values								
Screen Set No.1	J	0	2	1	1	1	1	0
Screen Set No.2	J	0	3	1	1	4	1	0
Screen Set No.3	J	1	3	4	1	3	2	1
Screen Set No.4	J	1	4	2	4	2	3	1

* NOTE! *

■ If *Initial Bonus Tickets* is set to **No Bonus Tickets** it will be replaced by the highest ticket value in the Bonus Screen Set.

Operator's Manual – Ripper Ribbit

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■ INITIAL BONUS TICKETS

This sets the Initial Starting point for *Bonus Tickets* if won during the Bonus Screen round at the end of the game. The number of tickets the Incremental bonus is reset to is controlled by DIP Switch SW3 – 6 to 8.

Initial Bonus Tickets	1	2	3	4	5	6	7	8
No Bonus Tickets						ON	ON	ON
Starts at 5 Tickets						ON	ON	OFF
Starts at 10 Tickets						ON	OFF	ON
Starts at 15 Tickets						O N	OFF	OFF
Starts at 20 Tickets						OFF	ON	ON
Starts at 25 Tickets						OFF	ON	OFF
Starts at 30 Tickets						OFF	OFF	ON
Starts at 35 Tickets						OFF	OFF	OFF

* NOTE! *

■ If *Initial Bonus Tickets* is set to **No Bonus Tickets** it will be replaced by the highest ticket value in the Bonus Screen Set.

■ NUMBER of COIN(S) PER CREDIT(S)

This sets the *Number of Coins* required for one or more credits and is controlled DIP Switch U7 - 1 & 2.

No. Coin(s) per Credit(s)	1	2	3	4
1 Coin for 1 Credit	O N	O N		
2 Coins for 1 Credit	ON	OFF		
3 Coins for 1 Credit	OFF	ON		
1 Coin for 2 Credits	OFF	OFF		

■ ATTRACT SOUND

This enables or disables the *Attract Sound* and is controlled DIP Switch U7 - 6 to 8.

Attract Sound	1	2	3	4
No Attract Sound			ON	
Play every 3 min.			OFF	

■ BONUS TICKETS INCREMENT

This enables or disables the *Bonus Tickets Increment* and is controlled DIP Switch U7 - 6 to 8.

Bonus Tickets Increment		
Fixed Bonus Tickets		ON
Increment 1 ticket per game➤		OFF





ERRORS AND TROUBLESHOOTING

If the microprocessor detects any problems with the operation of the game, an Error will be displayed on the screen. There is one error message for Ripper Ribbit, listed as follows:

ERROR DESCRIPTION	SOLUTION
TICKET ERROR	Clear ticket jam or replenish tickets. After this,
Jammed tickets, no tickets or no ticket notch pulse for longer than 3 seconds.	push Test button once to dispense unpaid tickets.

TROUBLESHOOTING GAME ERRORS

■ CLEARING GAME ERRORS

Game errors can be cleared, by pushing the test button ONCE. The game will try and check if the error is fixed. If the reason for the error is fixed, the game will continue as normal. If the error is not fixed, the error will remain on the screen.

■ TICKET ERROR

This usually occurs if the game has run out of tickets or there is a ticket jam. A less common reason is if the game PCB tries to dispense tickets but doesn't get a notch pulse for approximately three seconds. Test the notch pulse by passing a ticket in and out of the notch sensor.

If the game was out of tickets, replace the tickets, clear the ticket jam and then push the test button once to clear the error. The game will then payout any owed tickets.



FUSE INFORMATION

* WARNING! *

Always turn OFF Mains power and unplugged the game, before replacing any fuses.

■ MAIN AC SUPPLY FUSE (1 x 6 AMP FAST BLOW, M205 TYPE)
This fuse is for the main AC supply and is situated in the IEC mains input socket.

* NOTE! *

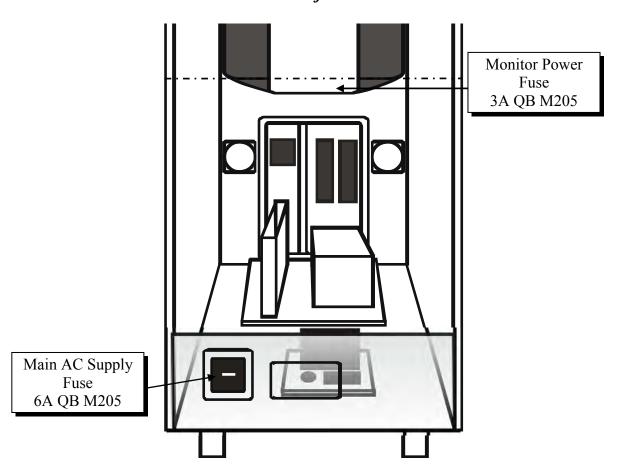
- The power cord must be removed before the fuse can be accessed.
- MONITOR POWER FUSE (1 x 3 AMP FAST BLOW, M205 TYPE) This fuse is for the power supply on the 29" CGA Monitor PCB.

* CAUTION! *

<u>Do Not</u> use any fuse that does not meet the specified rating.

FUSE LOCATION DIAGRAM

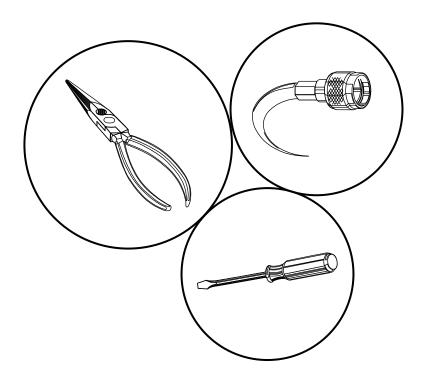
As viewed from rear







SECTION A: SERVICE INSTRUCTIONS





BE SURE TO READ THE FOLLOWING Carefully before servicing this machine





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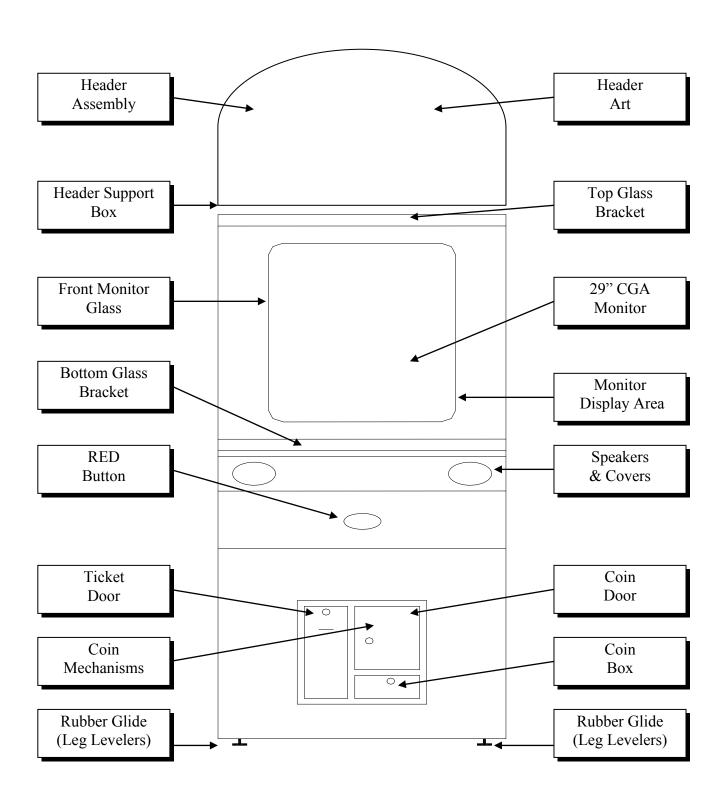




LOCATING AND ACCESSING PARTS

PARTS LOCATION DIAGRAM

As viewed from front



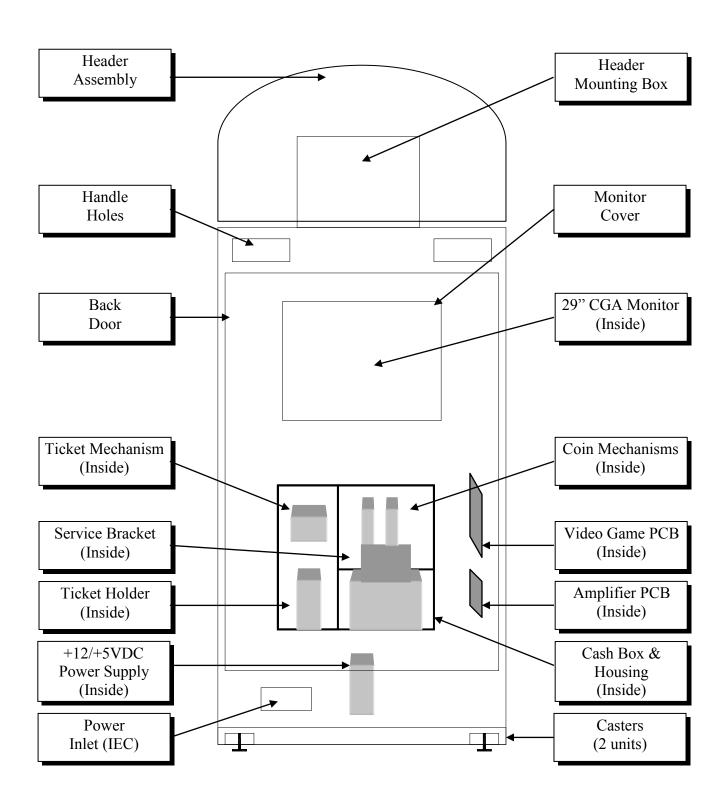


Operator's Manual – Ripper Ribbit



PARTS LOCATION DIAGRAM Cont.

As viewed from rear



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PARTS DESCRIPTION

■ COIN MECHANISMS

The coin mechanisms can be accessed inside the Coin door on the front of the machine cabinet.

CASH BOX

The cash box is located inside the coin door on the front of the machine cabinet.

■ TICKET MECHANISM

The ticket mechanism can be accessed inside the ticket door to the Right on the front of the machine cabinet.

SPEAKERS

Two speakers are located to the front of the cabinet above the control panel. Access is through the rear door.

■ GAME CONTROLS:

Located in the center of the machine cabinet. The control panel can be Access through the rear door.

START BUTTON: The Start button is the large RED round illuminated button. This button is used to start a game and control the frog's tongue.

■ SERVICE CONTROLS:

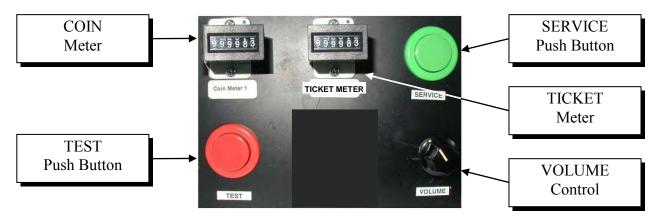
Located on the service panel mounted on top of the cash box and accessed trough the Coin Door.

SERVICE BUTTON: Used to input credits to the game without activating the coin counter, and to perform test procedures in combination with the test button

TEST BUTTON: Used to perform the test mode, in combination with the Service button.

VOLUME KNOB: Used to adjust the speaker's sound level.

SERVICE BRACKET



■ POWER CORD

The power cord is a standard IEC power cord (as used on computers) that is plugged in to the power inlet socket at the rear of the machine. The power cord can be removed for transport.

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■ POWER INLET

The power inlet is located at the rear of the machine on the Left-hand side as viewed from the rear. It is a standard IEC inlet socket.

■ MAINS SWITCH

The mains switch is located on the power inlet assembly along with the mains fuse, and IEC inlet socket.

■ FUSES

For locations of all fuses refer to Fuses and Fuse location, page of this manual.

* WARNING! *

<u>Always</u> turn **OFF** Mains power and unplugged the game, before replacing any fuses

<u>Always</u> use the correct rated fuse. Refer to page for fuse information.

■ PCB's

For location of all game PCB's, refer to the Parts Location diagram page 14 of this manual.

■ POWER SUPPLY

The power supply is located at the back of the cabinet and is accessed from the rear of the machine. It is a multi voltage switching power supply.

■ 29" CGA MONITOR

The 29" CGA (15 KHz) Monitor is located at the back of the cabinet and is accessed from the rear of the machine.





LAMPS

* WARNING! *

<u>Always</u> turn **OFF** Mains power and unplugged the game, before replacing any lamps.

<u>Always</u> allow time for cooling as Lamps that have been active for a time may still be too hot to touch.

■ COIN DOOR LAMPS

The coin door lamps all are 12V/DC GE194 or equivalent and can be accessed through the coin door.

■ BUTTON LAMP

The button lamp is 12V/DC GE194 or equivalent and can be accessed through the coin door or back door.

* CAUTION! *

<u>Always</u> replace the lamps with the same or equivalent size, wattage and voltage.



MAINTENANCE

CLEANING AND CHECK UP

■ EXTERIOR

Regularly dust and clean the external cabinet areas as required, using a soft water-damp cloth and mild soap. Check for blown bulbs and replace as required.

Any scratches or marks in the acrylic can be buffed out using car polish or cut and polish.

* CAUTION! *

<u>Do not</u> use solvents on the panels as it may affect the artwork.

■ INTERIOR

<u>Regularly</u> dust and vacuum the interior of the cabinet, taking care to remove any objects that may have fallen on the PCBs. Check and tighten all fixing hardware and fasteners as required.

* WARNING! *

<u>Always</u> turn **OFF** Mains power and unplugged the game, before cleaning the interior of the machine.

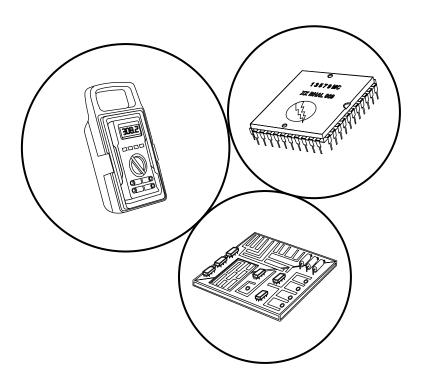
<u>Always</u> after cleaning the cabinet interior, check all harness connectors and restore all loose or interrupted connections.

Regularly check that the Button Lamp is operating and button switch is good. Replace the lamp if blown and replace the micro switch if necessary.





SECTION B: TECHNICAL DETAILS





It is advised that anybody using SECTION B for repairing or modifying any of the components of the game should be a qualified technician, having at least a basic knowledge of digital components, integrated circuits and electricity.





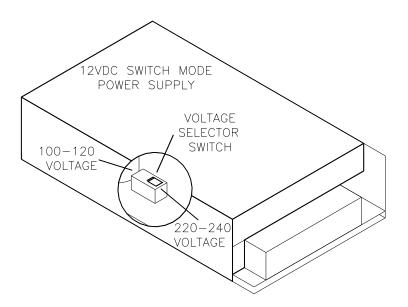




MAINS VOLTAGE ADJUSTMENT

■ POWER SUPPLY

The Switch Mode Power Supply has a switch to set the mains voltage range. It is located at the rear of the game cabinet, and is accessed via the back door. Use a thin blade screwdriver to move the selector switch to the desired mains voltage (See Diagram Below)



■ 29" CGA MONITOR

The 29" CGA Monitor is a "Voltage Free" type and can run on any AC source between 95VAC and 250VAC.





TICKET DISPENSER REFERENCE GUIDE

"Quick Release" Ticket Dispenser Manual

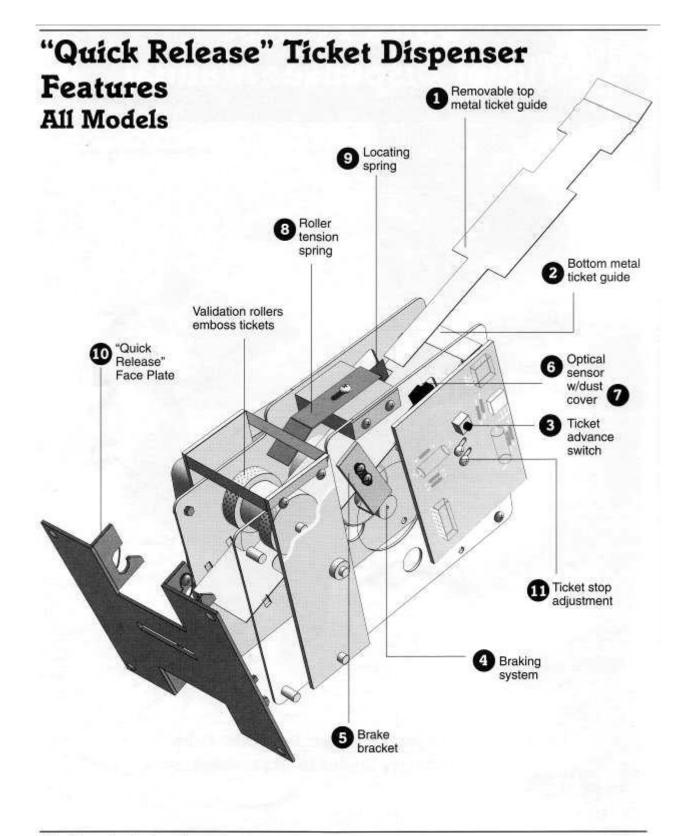


Another quality product from Deltronic Labs . . . the industry leader in ticket dispensers.

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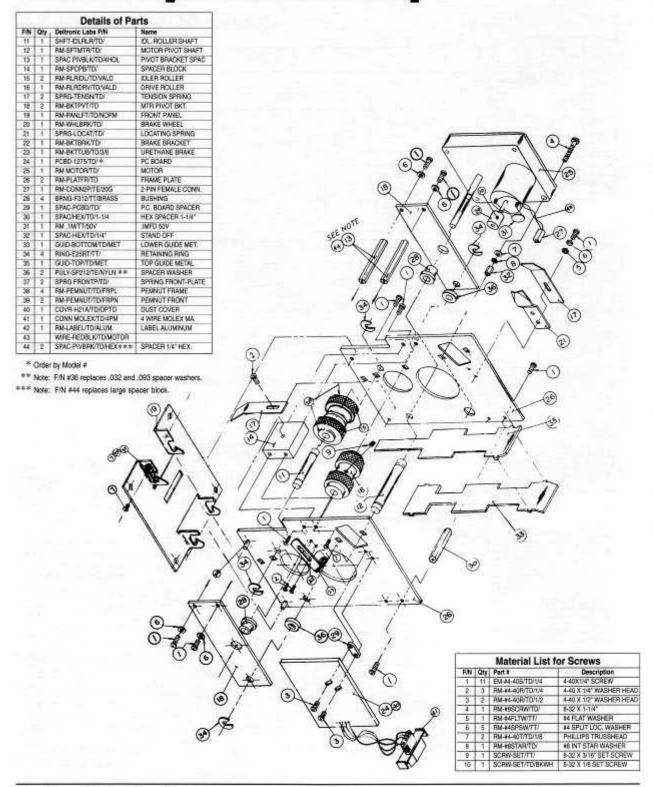


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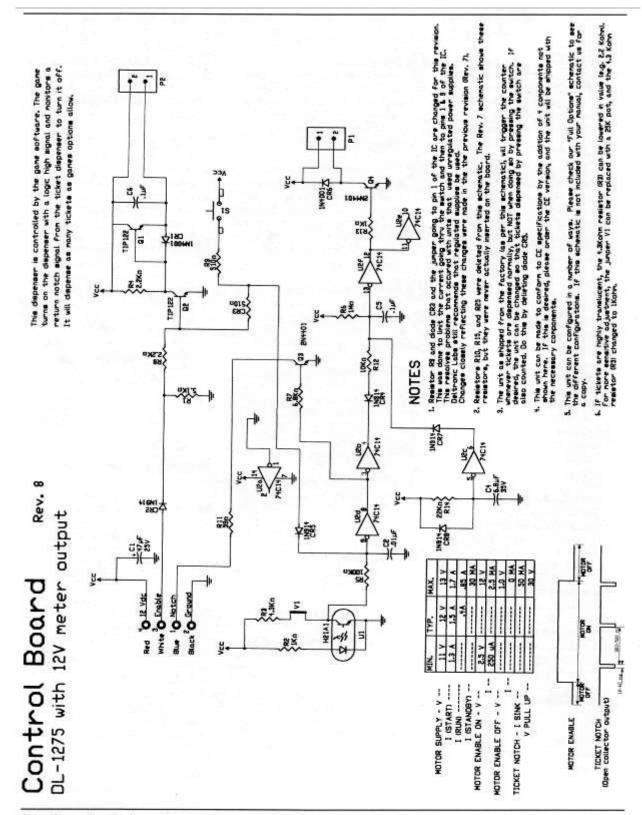
Ticket Dispenser Assembly



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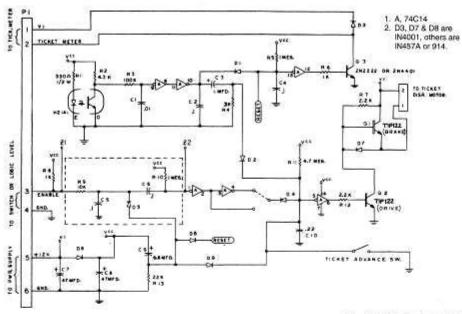
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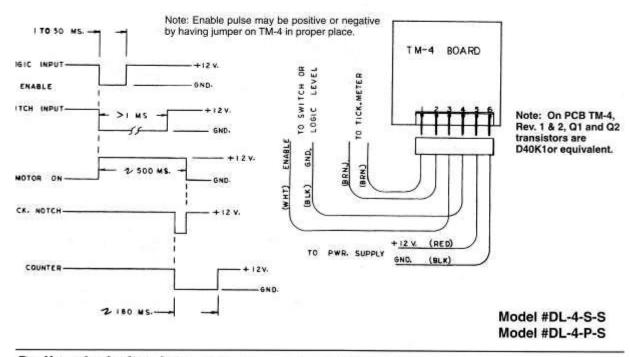
Control Board

Models DL-4-S-S DL-4-P-S



Model #DL-4-S-S, SW Input Model #DL-4-P-S, Logic Input.

Note: With logic input components and dotted lines are omitted and Z1 is jumpered to Z2.



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RIPPER RIBBIT JAMMA CONNECTOR LIST

SOLDER SIDE	JAN	IMA	PARTS SIDE
GND	A	1	GND
GND	В	2	GND
+5V	С	3	+5V
+5V	D	4	+5V
	Е	5	
+12V	F	6	+12V
POLARIZING KEY	Н	7	POLARIZING KEY
TICKET MOTOR DRIVE	J	8	COIN COUNTER
TICKET COUNTER	K	9	BUTTON LAMP
AUDIO GND	L	10	AUDIO Line +
	M	11	
GREEN*	N	12	RED*
SYNC*	P	13	BLUE*
SERVICE	R	14	VIDEO GND*
	S	15	TEST
MERCY TICKET DISABLE*	T	16	COIN SWITCH
	U	17	
	V	18	
	W	19	
	X	20	
	Y	21	
	A	22	BUTTON
	a	23	
	b	24	TICKET NOTCH
	c	25	
	d	26	
GND	e	27	GND
GND	f	28	GND

*Note: Video Outputs are CGA, 15 KHz only.

Connecting pin "T" to logic ground will disable Mercy Tickets (Version 3.5)

* NOTE! *

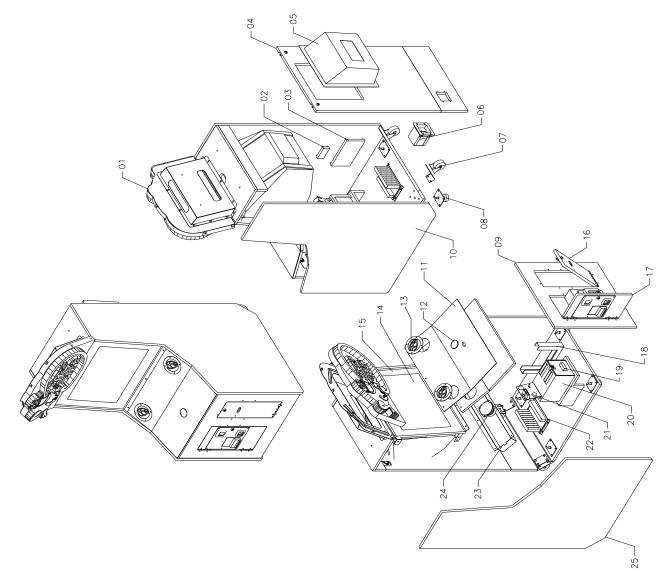
- Polarity Key is to prevent accidental reverse insertion of edge connector
- Check and adjust the +5VDC that it is between 4.8 and 5.1 Volts at the edge connector.





3 D PARTS EXPLODE

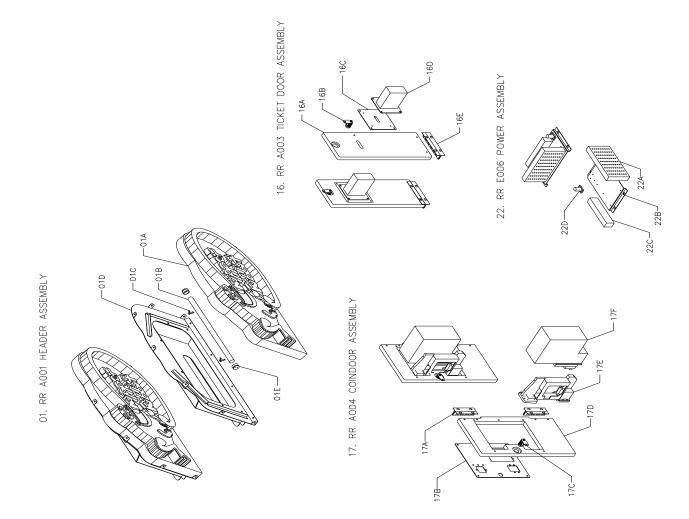
QTY	1	1	1	-	1	-	1	-			-	-		2	4	-	-	-	-	-	-	2	-	1			-	-	-	1	-		- -	2	-	-	-	-	-	2	1	-
DESCRIPTION	HEADER ASSEMBLY	PCB FB290 STEREO AUDIO AMPLIFIER	PCB ICE GAME BOARD	BACK DOOR	METAL BACK COVER	DB BOX ASSEMBLY	DB BOX METAL ONLY	IS	SPLIT CORE EMI FILTER FOR CE MACHINE	DB BOX HARNES	POWER LEAD MOLDED IEC TO 3 PIN USA	IEC TO 2 PIN	POWER LEAD MOLDED IEC 10 3 PIN AU POWER LEAD MOLDED IEC TO 3 PIN UK	EEL 3 INCH	RUBBER MACHINE GLIDE	FRONT PANEL LOWER WOOD ONLY	STICKER FRONT PANEL	CABINET SIDE LEFT WOOD ONLY	STICKER MACHINE SIDE LEFT	ACRYLIC PLAYFIELD	SWITCH MEDIUM ROUND RED BUTTON	SPEAKER COVER	COLOUR PICTURE TUBE 29" CORION SAMSUNG	MONITOR GLASS BACK BOARD	STICKER MONITOR MASK	TICKET DOOR ASSEMBLY	COINDOOR ASSEMBLY	TICKET HOLDER	CASH BOX	HOUSING CASH BOX	SERVICE PANEL ASSEMBLY	PANEL METAL ONLY	SWITCH SMALL ROUND REU BUILDN	UNTER 12V RE	POTENSIO CARBON DUAL GANG 50K 0hm		SERVICE PANEL HARNESS	≥	BACK COV	SPEAKER 4" 8 OHM 40W	CABINET SIDE RIGHT WOOD ONLY	STICKER MACHINE SIDE RIGHT
PART NO	RR A001	BA1302	BA1301	RR1-FW-003-R0	RR1-SA-001-R0	RR E001	HA0007	EA1356	EA1358	EAU649 RR H002	EA0635	EA0636	EA0639	НМ0062	HM0002	RR1-FW-004-R2	AT1303	RR1-FW-001B-R0	AT1302	AT1310	EA0503	RR1-FM-021-R2	EA1059	RR1-FW-011-R0	AT1304	RR A002	RR A003	SP1-FM-019-R0	RR1-SA-003-R0	RR1-SA-002-R0	RR E002	RR1-FM-017-R0	EAUS19	EA1252	EE0689	EP0602	RR H003	RR E003	RR1-FM-022-R0	EA1201	RR1-FW-001A-R0	AT1301
O _N	01	02	03	04	90	90	06A		S SS	11 06U	TA 180		190 190	07	90	60	09A	10	10A	11	12	13	14	15	15A	16	17	18	19	20	21		EW	210	21E		1	22	23	24	25	25A







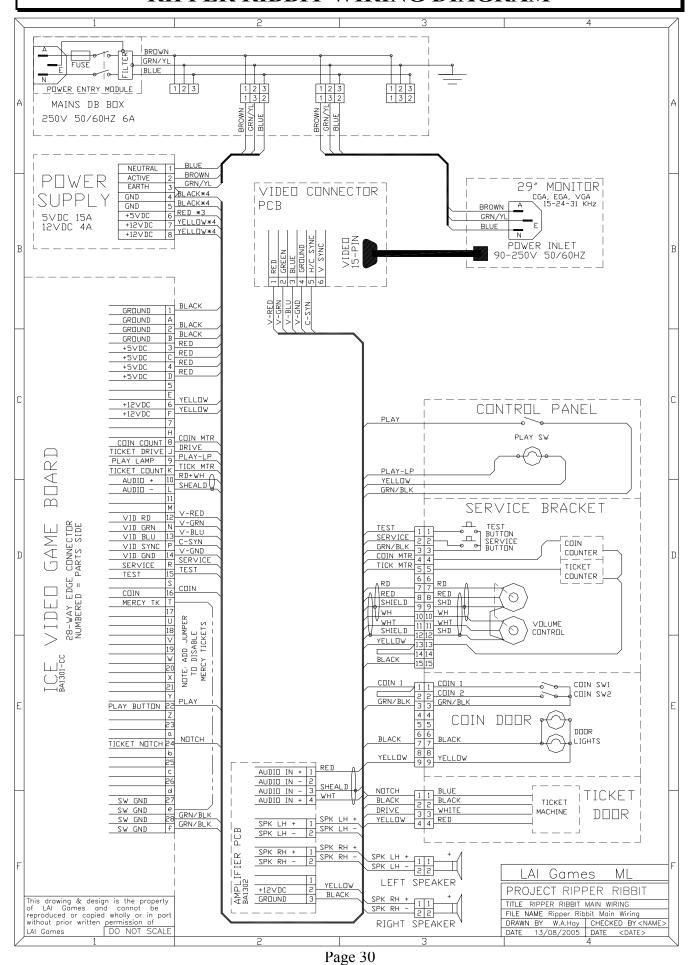
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O1B — NEON 18 WATT O1C — NEON CLIP O1D RR1-SA-003-RO HEADER BRACKET O1E — NEON CLIP O1E — NEON CLIP O1E — NEON CRAP HOLDER O1E — NEON CRAP HOLDER O1E — NET -FW-013-RO TICKET DOOR ASSEMBLY O1E RR1-SA-004-RO TICKET DOOR PANEL O1E RR1-SA-004-RO TICKET DOOR PANEL O1E RR1-SA-004-RO TICKET DOOR PANEL O1E RR1-SA-004-RO TICKET DOOR HINGE O1E RR1-MM-001-RO COINDOOR PANEL O1E RR1-MM-001-RO COINDOOR PANEL O1E RR1-MM-001-RO COINDOOR PANEL O1E RR1-MM-001-RO COINDOOR PANEL O1E RR1-MM-014-RO COINDOOR PANEL O2E RR1-MOS COINDOOR PANER SUPPLY 12V 12.5Amps O2E RR1-MM-018-RO RRAC BRACKET METAL ONLY O2E C201 COINDOOR PANER O2E C201 COINDOOR PANER O2E C201 C201 O2E C201 C2		01A	HP1302	HEADER ACRYLIC	-
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O1D RR1-SA-003-RO HEADER BRACKET O1E END CAP HOLDER	.1 13	010	ı	NEON CLIP	2
01E END CAP HOLDER	ЯAЧ	01D	RR1-SA-003-R0		-
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RIPPER RIBBIT WIRING DIAGRAM







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