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SEGA®

CHOPLIFTER

INSTRUCTION MANUAL

FOR HORIZONTALLY
MOUNTED MONITOR

SEGA ENTERPRISES, INC.

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- ° WIRING ROUTING (MAIN HARNESS)
- ° WIRING ROUTING (CONTROL PANEL HARNESS)
- ° OPTION SWITCHES / DC POWER REQUIREMENTS
- ° KIT CONTENTS

CONVERSION KIT CONTENTS

- PC Board
- Generic Main Wiring Harness
- Control Panel Wiring Harness
- 8 Way Joystick Assembly
- Screws and Nuts for Joystick (4)
- Push Button Assemblies (6)
- Control Panel Overlay
- Monitor Card
- Side Decals (2)
- Plastic Marquee
- Instruction Manual
- License Seal

PREVENTION OF COUNTERFEITING AND CONVERSION

LABELING

To prevent counterfeits and conversions, the following labels are put on all the SEGA products. When handling such goods, be sure to confirm the labels. They are used to prevent illegal acts such as the unauthorized copying of the products and the printed circuit boards thereof or carrying on business by manufacturing similar merchandise or by converting, selling or using such products or printed circuit boards.

ORIGINAL SEAL

The following seal is put on the machines manufactured by SEGA.



LICENSE SEAL

The following seal is put on the kits, such as the printed circuit boards, of SEGA products.



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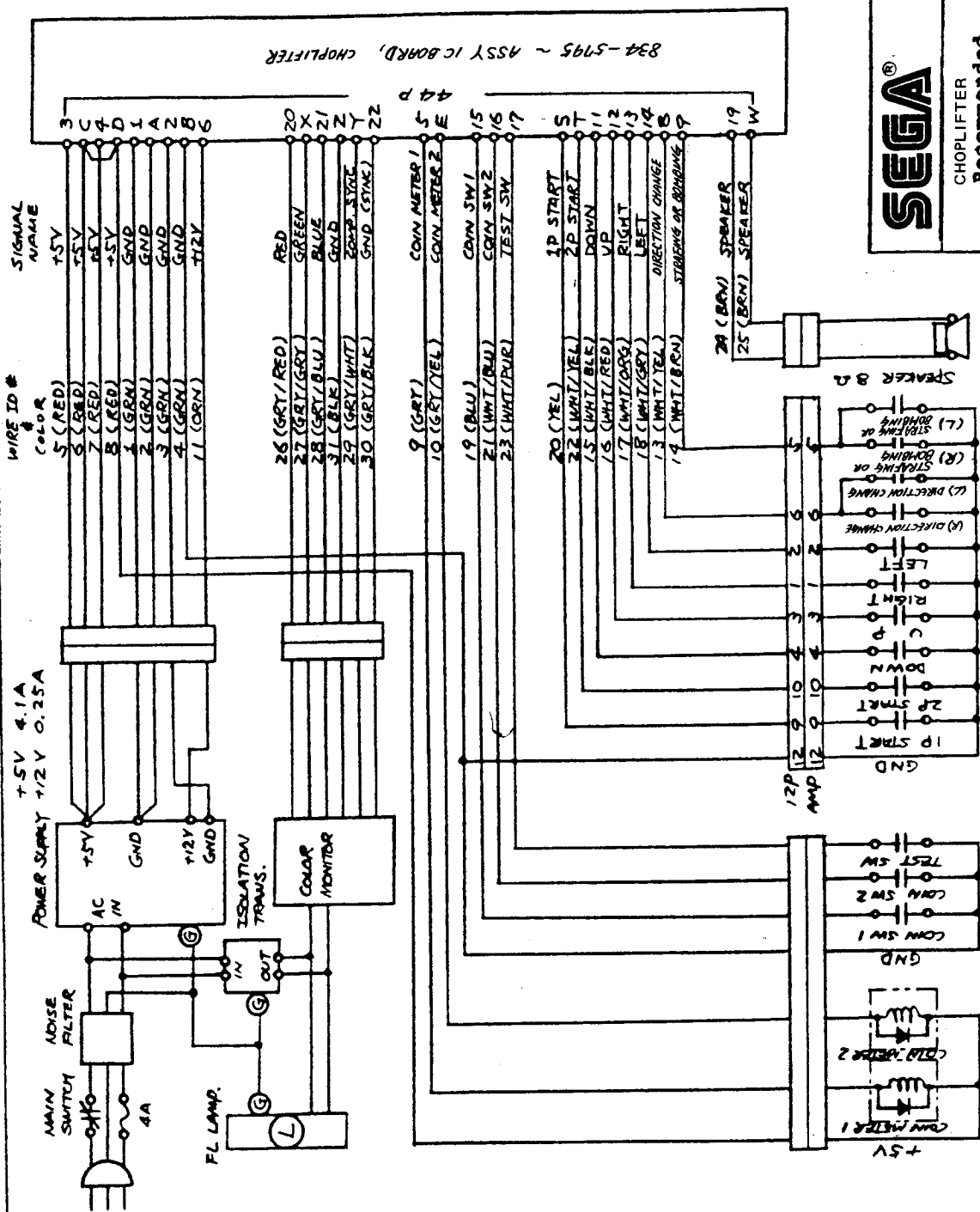
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NOTICE WARNING

After installation of this kit , the 5 volt power supply must be checked and adjusted to make certain exactly 5 volts are present at pins 1 & 3 (1 is negative and 3 is positive) of the 44 pin edge connector. The voltage check and adjustment must be done while the PCB is plugged in to the 44 pin connector to supply the proper load. This PCB will not operate properly on voltages below 5 volts as measured at the board.



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CHOPLIFTER
Recommended
Wiring Diagram

DISTINATION

WIRE ID #

SIGNAL NAME

44 PIN
EDGE CONNECTOR

WIRE COLO

POWER SUPPLY
GND/RETURN

POWER SUPPLY
+5V

COIN METER 1
COIN METER 2

JOYSTIC RIGHT SWITCH
JOYSTIC LEFT SWITCH
JOYSTIC UP SWITCH
JOYSTIC DOWN SWITCH
"STRAFING OR BOMBING"
PUSH BUTTON
"DIRECTION CHANGE"
PUSH BUTTON

1P START BUTTON
2P START BUTTON

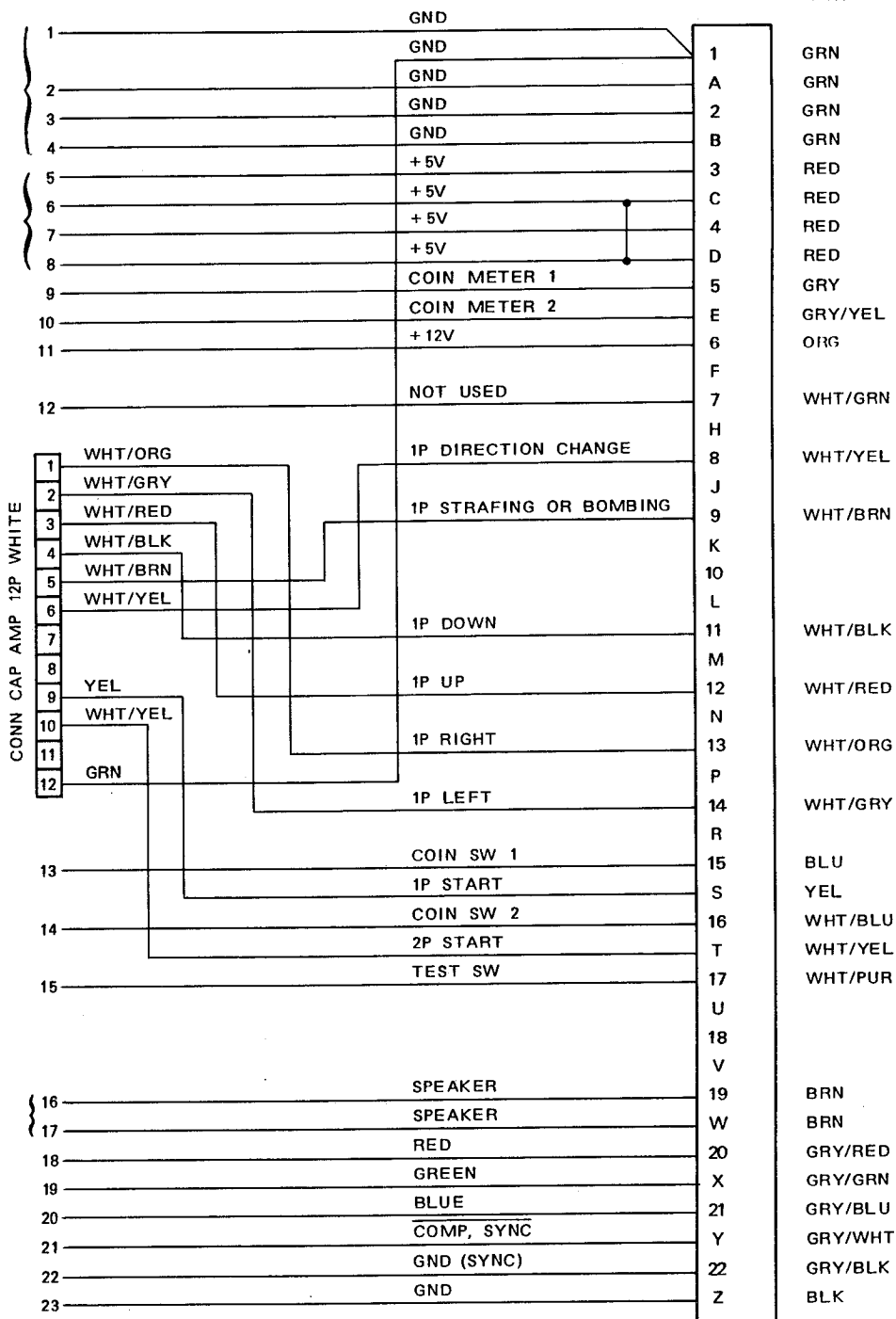
COIN MECH 1

COIN MECH 2

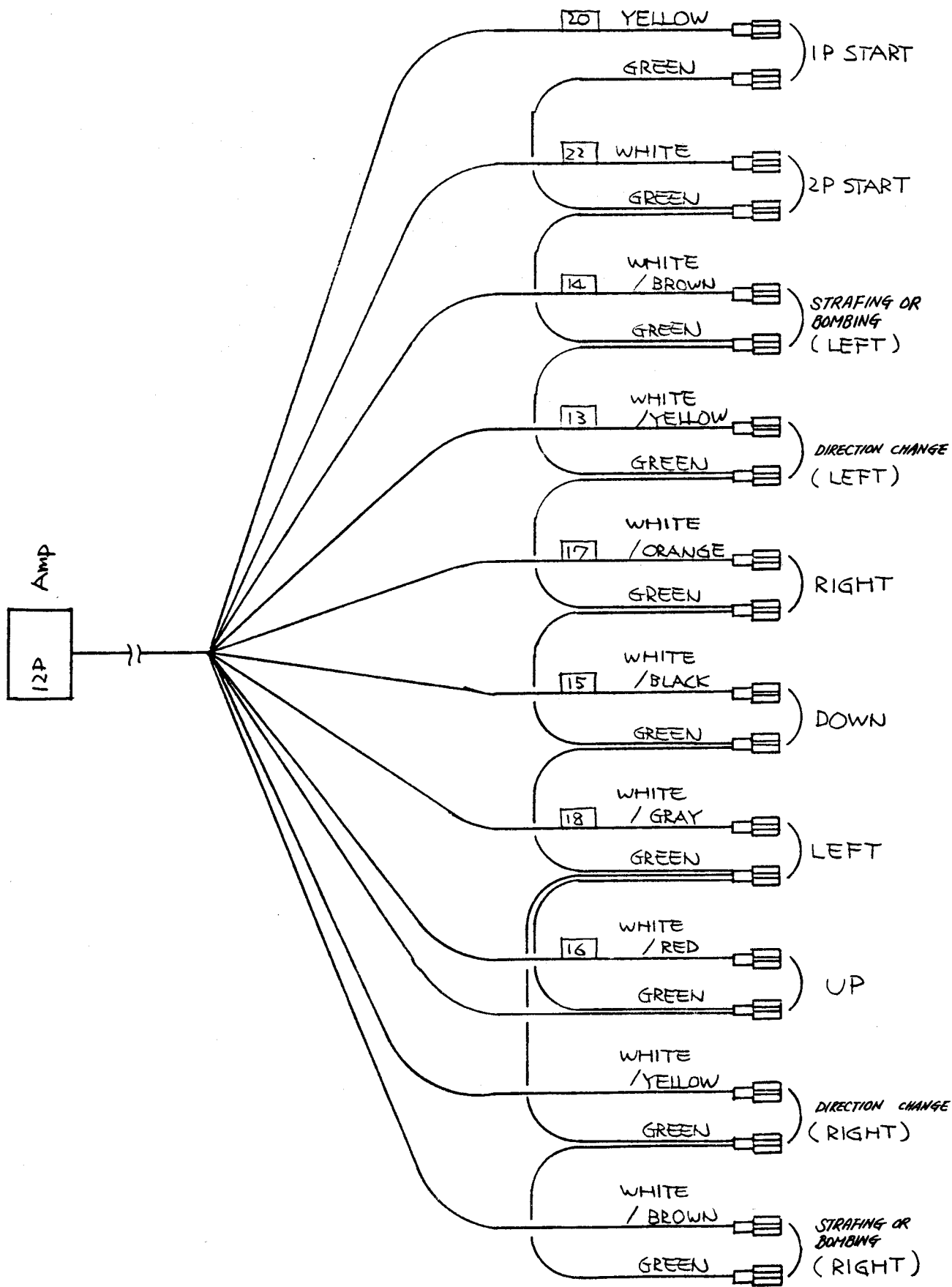
TEST MODE SWITCH

SPEAKER

COLOR {
MONITOR { RED
GREEN
BLUE
COMP, SYNC
GND (SYNC)
GND



CHOPLIFTER WIRE ROUTING



CONTROL PANEL HARNESS

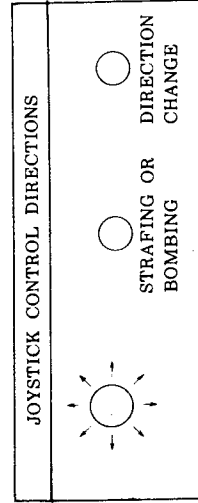
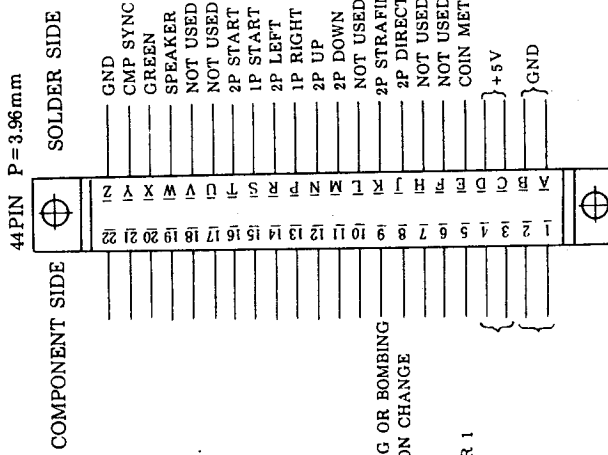
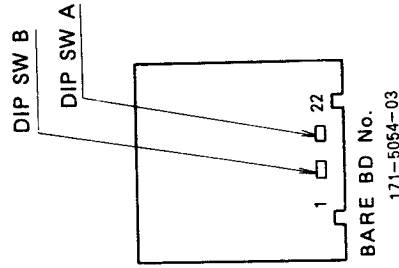
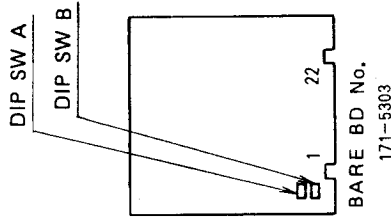
CHOPLIFTER (834 - 5795)

COIN / CREDIT OPTION SWITCH SETTING

OPTION	DIP SWITCH #A							
	1	2	3	4	5	6	7	8
1 COIN 1 CREDIT	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
1 COIN 2 CREDITS	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
1 COIN 3 CREDITS	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
1 COIN 4 CREDITS	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
1 COIN 5 CREDITS	ON	ON	ON	ON	OFF	OFF	OFF	OFF
2 COINS 1 CREDIT	OFF	ON	ON	ON	ON	ON	ON	ON
2 COINS 2 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON
2 COINS 3 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON
2 COINS 4 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON
2 COINS 5 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON
2 COINS 6 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON
3 COINS 1 CREDIT	OFF	OFF	ON	ON	ON	ON	ON	ON
3 COINS 2 CREDITS	ON	OFF	ON	ON	ON	ON	ON	ON
3 COINS 3 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON
3 COINS 4 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON
3 COINS 5 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON
3 COINS 6 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON
4 COINS 1 CREDIT	OFF	ON	ON	ON	ON	ON	ON	ON
4 COINS 2 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON
4 COINS 3 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON
4 COINS 4 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON
4 COINS 5 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON
4 COINS 6 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON
5 COINS 1 CREDIT	OFF	ON	ON	ON	ON	ON	ON	ON
5 COINS 2 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON
5 COINS 3 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON
5 COINS 4 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON
5 COINS 5 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON
5 COINS 6 CREDITS	ON	ON	ON	ON	ON	ON	ON	ON

OPTION SWITCH SETTING

OPTION	DIP SWITCH #B							
	1	2	3	4	5	6	7	8
TABLE UPRIGHT	OFF	ON						
ADVERT TISE	OFF	ON						
SOUND	OFF	ON						
PLAYER 3			OFF	OFF				
HELICOPTER 2			ON	ON				
FREE 4			OFF	OFF				
SCORE OF 20000, 70000			ON	ON				
ADDITIONAL 120000, 170000			OFF	OFF				
PLAYER 50000, 100000			ON	ON				
150000, 200000			OFF	OFF				
GAME DIFFICULTY								
EASY								
HARD								



SUPPLY VOLTAGES & CURRENT	
VOLTAGE	CURRENT
DC5V	4.5 A
DC12V	0.25 A

