ELECTROCOIN SERVICE AUTOMATICS MANUAL





PART No 64070

NEO-GEO

SPECIFICATIONS:

1. Power Supply	240/220VAC (HANTAREX US250 P.S.U)
2. Power Consumption	140w
3. Play Pricing	Adjustable on Dip switches
4. TV Monitors	25" Hantarex 9000E colour monitor
5. Dimensions	Width: 642mm
	Depth : 788mm
	Height : 1857mm
6 Weight	Approximately:
* The specifications and appearance m	may be changed for improvement.
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Adjustments of Colour Video Monitor,	, (Refer to Hantarex Manual)
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Warning	

WHEN V VIDEO GAME INSTALLING S IS FOR AVOID INDOOR PLACES MENTIONED BELOW

- PLACES SUBJECT TO CONDENSATION DUE TO HUMIDITY. IN THE PROXIMITY OF AN INDOOR SWIMMING POOL OR PLACES SUBJECT TO DIRECT SUNLIGHT. VICINITY OF HIGHLY INFLAMMABLE/VOLATILE CHEMICAL UNEVEN SURFACES.
 VICINITY OF FIRE EXITS AND FIRE EXTINGUISHERS. DUSTY ATMOSPHERE.
- 7654301 SHOWER.
- - CHEMICALS

STALLATION

IT IS IMPORTANT TO AVOID ROUGH HANDLING OF THIS MACE FRAGILE.

UPON REMOVAL OF THE SHIPPING CARTON EXAMINE THE FOR DENTS, CHIPS OR BROKEN PARTS.

ACCESS TO THE APPLIANCE SHOULD ONLY BE MADE BY QUAPURPOSE. IMPORTANT TO AVOID ROUGH HANDLING OF THIS MACHINE QUALIFIED PERSONNEL EXTERIOR OF AS CERTAIN PARTS THE CABINET FOR ANY

INSPECT THE INTERIOR OF THE CABINET AS FOLLOWS:

A) CHECK THAT ALL THE PLUG IN CONNECTORS ARE FIRMLY SEATED i.e. THE EI CONNECTOR ON THE CPU BOARD. IF ANY CONNECTORS ARE FOUND UNPLUGGEI IS IMPORTANT WHEN RE-PLUGGING NOT TO FORCE THE CONNECTORS TOGETHER. MAY BE KEYED AND ONLY GO ON IN THE PROPER ORIENTATION. EDGE JED IT AS SOME

B) PCB CHECK THAT ALL PLUG-IN INTEGRATED CIRCUITS ARE FIRMLY SEATED IN THEIR SOCKETS. AND SUB BOARDS 9 THE GAME

0 ENSURE THE THE SUPPLY ALL MAINS HAS A SUB SUPPLY IS CORRECT FOR OPERATION OF GOOD EARTH CONNECTION. **ASSEMBLIES** SUCH AS THE POWER SUPPLY THE FOR MACHINE, SECURE MOUNTING. AND

SAFETY/MAINTENANCE

IT IS ADVISED THAT MACHINE DAILY. ORDER. THIS VIDEO GAME REQUIRES CERTAIN MAINTENANCE THE SITE MANAGER CHECKS THE TO SERVICEABILITY OF KEEP I Ξ GOOD WORKING

WARNING

HIGH VOLTAGES EXIST WITHIN THE MACHINE SO IT IS ADVISABLE THAT ONLY QUALIFIED SKILLED PERSONNEL SHOULD TOUCH ANY INTERNAL PARTS OF THE MACHINE. THE HIGH VOLTAGES PRESENT MAY CAUSE SHOCK OR EVEN FATALITY WITH MISUSE. ALWAYS TURN THE MACHINE OFF BEFORE COMMENCING ANY WOR WORK.

HIGH VOLTAGES MAY EXIST IN ANY MONITOR UNIT, EVEN WITH THE POWER DISCONNECTED. USE EXTREME CAUTION AND DO NOT TOUCH ELECTRICAL PARTS, THE YOKE WITH YOUR HANDS OR WITH METAL OBJECTS HELD IN YOUR HANDS. INFORMATION ON THE MONITOR FUSES ARE CONTAINED IN THE MONITOR MANUAL SUPPLIED WITH THIS MACHINE. OR

D UTION

S S S NOT USE FUSES OTHER THAN THOSE YOUR GAME. SPECIFIED, FOR THE CONTINUED PROTECTION

NEVER CONNECT OR DISCONNECT ANY SWITCH SETTINGS WHILE THE POWER I Y CONNECTORS IS ON. QF THE PCB. OR RESET THE DIP

REGULARLY CLEAN THE OUTSIDE OF THE CABINET. DO NOT DRY WIPE ANY THE ACRYLIC PANELS, BECAUSE ANY DUST CAN SCRATCH THE SURFACE ANI IN FOGGING THE PLASTIC. ACRYLIC SURFACES MAY BE CLEANED WITH ANY ABRASIVE HOUSEHOLD CLEANER. ANY OF.

TECHNICAL

Fast 16 Bit Main Microprocessor

Allows game hardware. software ð be executed up to four times faster than conventional video game

Expanded ROM Capacity

Up to 64 Megabytes of GAME ROM storage, allows for superior graphics makes ordinary video games containing less than 10 Megabytes of GAME and sound weak by comparison! ROM look

Incredible Sprite Generation

are used for displaying animated objects, such as the Main Characters. Typical coin-op game hardware can display less than 80 sprites on the screen. Neo Geo can display and manipulate 380 sprites simultaneously! Neo-Geo also has a unique hardware feature for enlarging and reducing Sprites smoothly! Sprites are groups of Pixels (screen dots) that can be moved around on the screen. The are used for displaying animated objects, such as the Main Characters. Typical coin-op

Maximum Background Video

Neo-Geo's advanced hardware can display and independently scroll 3 unique Video scenes. This allows Neo-Geo to create realistic 3D effects! Neo-Geo can store up to 65,536 16X16 pixel background characters in its 8 Character Roms! Background Megabyte

Tremendous Color Palette

displayed on the screen. The key to displaying realistic images is the number of individual colours that can be

Typical coin-op hardware can display from 64 to 512 different colours at the same time, Neo-Geo can display 4096 colours from a selection of 65,536 total colours allows the capability to display photo-quality graphics on a standard resolution in graphics on a standard resolution monitor! total colours! This

Compact Disk Quality Sound

- audio with true Stereophonic Audio Output, allows channels of Programmable Sound Generation (PSG), channels of Pulse Control Modulation (PCM), channels of Frequency Modulation (FM), and a channel of noise generation, combined ith true Stereophonic Audio Output, allows Neo-Geo to deliver incredible, true to life effects

Advanced Hardware Test Program

The Neo-Geo hardware can diagnose potential hardware problems, such as a Rom or Ram failure, using its built-in Test Mode Program. The Main Volume control and Headphone Volume control can be easily accessed through the Access Door. accessed through the

DESCRIPTION

which SNK have been working on for the past two years. NEO-GEO which means "NEW LAND" is a new and outstanding game system

System or on a Home Video System. there is a special feature, a universal card which can be used on the Multy the players can choose from which game they Multy Video System is able to load six or four software cartridges which want to play. With this system Video

on your machine or at home. The card is a 16 BIT memory card which records your play either on location

innings on the Home Video Version. You can continue your game play anywhere in the world wherever the NEO-GEO is available. Your machine is 2nd innings on the machine you can resume your play from the top of the 3rd innings on the Home Video Version. You can continue your game play per player. fitted with a two player VS control panel but with four function buttons game uses all four buttons where as Magician Lord only uses two. you need to use for the game you are about to play. **EXAMPLE:** These function buttons are coded so you can identify which buttons On the baseball game, when you finish the bottom of the For example the baseball

These buttons are:- A = RED
B = YELLOW
C = GREEN
D = BLUE

UNIVERSAL MEMORY CARD

The Neo-Geo system is unique because of the fact it can enable the player to recall their game by use of the memory card on any Neo-Geo system through out the world.

HOW IT WORKS

Example: On your card you have saved Magician Lord from a previous game and now you want to continue that game. Insert coin(s) then select that game. Press Start and the screen will now display:-

MEMORY CARD

LOAD

ONO

COUNTDOWN 8

Press button A to load.

The game will now start off where you left it before. you have finished playing and you want to save, the screen will display:-

SAVE

YES

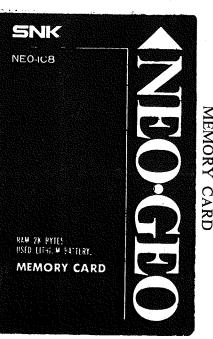
O

COUNTDOWN 9

A to save

Do not forget to remove your card from the machine before you leave.

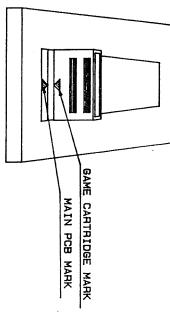
MEMORY CARD



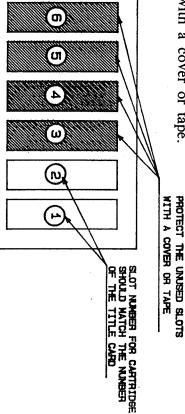
Insert this end

WARNING

Make sure the game cartridge is installed with the markings matching the main board.



- 5 Make sure the slot number you install the cartridge in matches the game title card number on the EL panel. panel.
- က Make sure the power is off when you insert or remove the cartridge. cartridge is firmly inserted in the slot or it will not work correctly. Make sure the
- 4. Protect the unused slots with a cover or tape.



- S Do not put any electric conductive materials on or in the slots.
- 6 Do not insert any other cartridge than the MVS cartridge with the 240 pin connector. The Neo-Geo rental system cartridge will not fit on this connector.
- .7 MVS preserves the income data of Max. 8 games even when the power is off or the game cartridges are removed from the PCB.

PCB COMPONENT

1. MVS consists of 6 different PCB's.

NEO - MVH MV6

Main programming, character

NEO - MVH SLOTS 6

Switching game cartridges

MV - IC

MV

LED

Credit indicator

Reads the data from the memory card. Two headphone jacks are installed here.

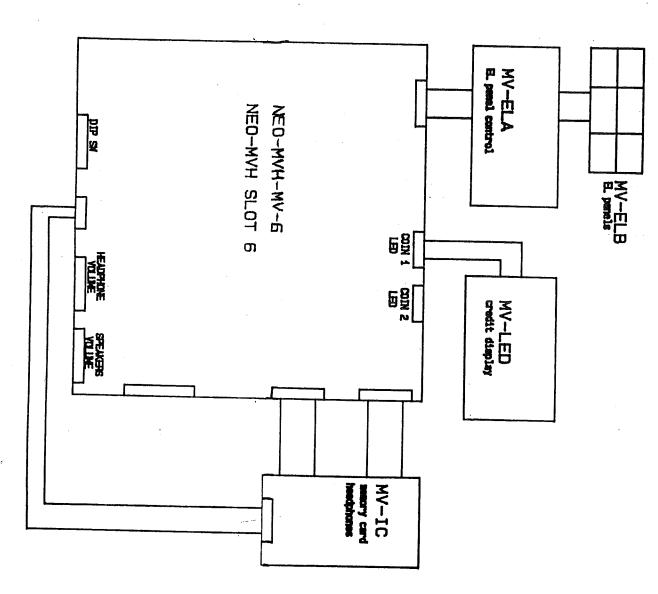
MV - ELA

Control lighting EL board

MV - ELB

EL board is installed

5 MV6 and slot 6 fit together without harnesses. Connection to other boards is as follows:



NEO-GEO

MEMORY FRAMES

MVS preserves the income data of max 8 games even when the power is off or the game cartridges are removed from the PCB.

For example:-

6 cartridges are being used A, B, C, D, E and F on the MVS. If new game titles G and H are used to replace A and B, the data for A and B will remain.

Memory frames

(A)							
		ਸ	Ħ	D	С	В	>
SVM							
H	G	'म '	ਯ	D	С	В	A

The income data for A and B will remain even if they are pulled out of the cabinet. Even if you move C and D to slots where A and B were, the income data for A and B will still remain.

 ∞ D As the drawing (B) shows above, when you install new games, I and J, in the slots that were being used by C and D, the data for A and B will now be erased and data for C and D will remain. The reason for this is that the MVS system can only retain data for up to games:

MULTI VIDEO SYSTEM

INCOME TOTALIZATION SYSTEM

- 1. The multi video system (MVS) is equiped with back-up ram and calendar IC which allows the daily income data to be saved even when the power is off.
- 2. After pressing the test button and selecting "BOOK KEEPING" from the menu, you can view the "INCOME DATA" on the screen.
- ယ One exclusive memory card is capable of saving the income data of several cabinets.
- 4. The collected data from the memory card used in conjunction with the Neo-Geo rental cartridge enables you to check the entire income totals.

The income per cabinet or per game is shown on the screen. It is possible to create graphs showing the income curve and print the data on your printer.

- telephone The exclusive cartridge is equiped with a modem which can transfer data through the
- 6. It is easy to collect the income data by saving it on the book-keeping memory card. The code number system keeps important data confidential.

NEO GEO

TEST MODE

On entering the test mode a test menu will appear (as shown below). enter the test mode simply turn on the test switch located inside the access door.

CURSOR ---> SETTING SETTING EXIT SETTING UP THE CALENDER **BOOK KEEPING** HARDWARE TEST **UP** UP THE HARD DIE UP THE SOFT DIP HARD DIP

Use the joystick to move the cursor up or down to select the test you want then press Player button.

-HARDWARE TEST

- . <u>ප</u> ළ
- Screen GND test Press Player 1 start to continue. Colour bar test Press Player 1 start to continue.
- I/O test.

ı	=	=
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	SELECT	START	PUSH D	PUSH C	PUSH B	PUSH A	RIGHT	LEFT	DOWN	UP			
0 = OFF	0	0	0	0	0	0	0	0	0	0	PL1		
1 = ON	0	0	0	0	0	0	0	0	0	0	PL2		
	T.					7	· 20 '	70 '	™ ⊟				
	L						SERVICE	2 COIN	1 COIN			DIP	
73	LE						> c	> 0	0			0	
73	01											02	
												0	
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23	Ĩ,											0	
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screen as well. The credit display will automatically test themselves by counting and this is displayed on the

Press Player 1 Start to continue d) Memory Card Test - The m

9 has been inserted it will now display memory card test ok. The machine will now ask you to insert a memory card, once it

Press Player 1 Start to continue
e) Back up test

The machine will display back up clear OK = Press

* WARNING: KEEPING mode, C buttons one at a time.

NG: If you clear the back up you will erase all the information on the BOOK

Press Player 1 Start to continue.

ť Setting up the calender ı The machine will display as below:-

Current Time

13-4-90 10:00:00 FRI

i.e.

D The time button, button ಠ Joystick be s set up tick = SELECT = SET

13-4-90

10:00:00

Move Turn test switch off then reset machine. Turn test switch on and the main menu Press cursor down to the next. Player 1 Start to return back to test a will appear again.

5 Setting up the hard dip -Press button \triangleright ರ enter

It should now display as below:-Setting up the hard dip -

0 Free Stop Mode Setting Mode Play 0 0 2 S 4 S 6 7 0 ∞

> OFF OFF OFF

OFF 9 2

Press button C to return to main menu

က Setting up the soft dip 1 Press button \triangleright to enter

The screen will now display asbelow:-

- Setting Slot 1 up the cabinet
- Slot Magician Lord
- ಆ೦೮ ೮ Slot Slot Nam. Baseball Stars 1975
- THE
- CABINET
- SETTING UP

- GAME GAME DEMO COIN 2 SELECT START SOUND 1 COIN = 1 CREDIT 1 COIN = 2 CREDIT ONLY WHEN CREDITED COMPULSION WITHOUT SET UP IN EACH GAME

Move Select the Ġ. e cursor Slot 1 Magician to select mode. Lord. Press 0 ð go back to test mode

The Press Button A to enter screen will display:-

MAGICIAN LORD

BONUS BONUS HERO DEMO SOUND DIFFICULTY HOW TO PLAY CONTINUE RATE

SECOND 30000 3 LEVEL 99 FREE **BONUS**

Once you have made your selection Press 0 to return 5 test mode က

There can be up to six slots to choose from, to select how you want to set any particular

game up.

Once you have returned to test mode 3 Press button C.

4. BOOK KEEPING

Press button A to enter. The screen will display:-

CABINET/COIN CABINET/PLAY SLOT 1 SLOT 2 SLOT 3

Move cursor to select mode.

a CABINET/COIN

APR 13	
<u></u>	COIN 1
0	COIN 2
0	SERVICE

The first box will display that days information

The second box will display the years information month by month.

JAN FEB MAR APR MAY JUN JUN	
000-000	COIN 1
000000	COIN 2
000000	SERVICE

Select slot 1 then Press a to enter

The screen will display:-

MAGICIAN LORD

		remarkation become maken the second and the second	
0:00	0	—	APR
AV. TIN	CONT.	PLAY	

Press button A and another table will appear showing information on that game for each month.

Press button C to return to the main test menu.

Test mode 5 is the calender set up which is the same as in test mode 1.

To exit test mode move the cursor to exit on the menu, turn the test switch off and then reset the machine.

COIN CONTROLS CCU

TECHNICAL DATA

APPLICATIONS

CCU with sentinel

The CCU is designed to work with the sentinel 30 range of validators in a single or dual currency mode. All connections to the validators are directly from the CCU. Connections to the host machine being via the 6 way connector. If it is required that the host machine controls inhibits directly then the inhibit wiring will need to be modified to suit the application.

SWITCH SETTINGS FOR CCU

otalising switch

dividing the coin value by the price per credit. The result is added to the credit total. In non-totalise mode, if the coin is 20p or 10p, any money remaining after the credit calculation is added to the next 20p/10p entered before the next credit calculation is performed. If the coin is £1 or 50p then the additional credits will also be added to the credit total. In totalise mode all 20p and 10p coins are added together. Whenever this total exceeds £1 or 50p then the corresponding additional credits are added to the credit total. A time limit splaced on the totalisation to prevent the money total from being passed from one used to As each coin is accepted, the number of credits generated by the coin are calculated by dividing the coin value by the price per credit. The result is added to the credit total.

S11 ON S11 OFF TOTALISE MODENON TOTALISE MODE

Most coin sets have a fixed ratio of 100, 50, 20, 10 eg. 100p, 50p, 20p, 10p, but a small number of coin sets possess a different ratio eg. 100 cents, 25 cents, 10 cents, 5 cents. On the CCU an option switch is available to allow an operator to select the coin set required. When the standard coin set is selected, the meter output pulses are in units of 10p. For the non-standard coin set, the meter output pulses are in units of 5c.

NON-STANDARD COIN SET (100, 25, 10, 5) STANDARD COIN SET (100, 50, 20, 10)

NHIBIT SWITCHES

The inhibit switches are connected directly to the sentinel. There are individual switches for 11-14 and 15.6 and 17.8.

NOTE: When sentinel is used in dual currency mode, and 15,6 and 17,8 are enabled by setting SW17 and 18 on. Then both currencies must have the same coin ratios

4.4 PRICE SETTING

credit, 3 switches for the number of additional credits bought by the highest value coin eg. price settings switches are arranged in three groups: 5 switches for the basic price per

switches for the number of additional credits bought by the second highest value coin eg

PROGRAMMING INFORMATION

PRICE PER GAME FOR 100, 50, 20, 10 COIN SET

INHIBIT \$13 \$14 \$15 \$15 \$16 \$17 \$18	CURRENCY S12 ON S12 OFF	TOTALISING S11 ON S11 OFF	SW9 ON OFF ON OFF	ADDITIC	OFF ON OFF OPF OPF	ADDITIONAL	X = DO	××××××××××××××××××××××××××××××××××××××
SWITCHES COIN 1 COIN 2 COIN 3 COIN 4 COIN 5/6 COIN 7/8			SW10 ON OFF OFF	ADDITIONAL GAMES	SW7 ON OFF ON OPF OFF	DNAL GAMES	DON'T CARE	SW2 OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON ON OFF ON ON ON ON ON ON ON ON ON ON ON ON ON
ON "	SELECT SWITCHES NON-STANDARD COIN STANDARD COIN SET	SWITCHES TOTALISE MODE NON-TOTALISE MODE	FUNCTION NO ADDIT 1 ADDITIC 2 ADDITIC 3 ADDITIC	S FOR SECOND	ON ON OFF OFF OFF	FOR		OFF ON OF
ACCEPT	SET (100, (100, 50, 2)	TJ	NCTION ADDITIONAL GAMES ADDITIONAL GAME ADDITIONAL GAMES ADDITIONAL GAMES		FUNCTION NO ADDITIO 1 ADDITIO 2 ADDITIO 3 ADDITIO 4 ADDITIO 5 ADDITIO 6 ADDITIO 7 ADDITIO	HIGHEST VALUE COIN(COIN		OFF ON ON OFF ON ON ON OFF ON
OFF = INHIBIT	25, 10, 5) 0, 10)		MES SS	HIGHEST COIN (COIN 2)	NCTION ADDITIONAL GAMES	OIN(COIN 1)		PHO ON
T								UNITS/GAME 5 10 20 30 40 50 60 70 80 90 110 110 1120 1140 1150

NEO-GEO

EDGE CONNECTOR

BLK BLK	ORG/GRY	ORG/BLU	RED/BLU	RED/GRN	GRY/BLU	GRY/ORG	GRY/RED	GRY/GRN	GRN/RED	YEL/BLK		YEL/RED	WHT	GRN	RED/YEL	ORG/VIO		WHT/YEL		ORG	VIO	PNK	PNK	BLK	BLK	COLOUR WIRE
GROUND GROUND	PLAYER 2 SW D	2 SW	PLAYER 2 SW B	2	2	PLAYER 2 LEFT	PLAYER 2 DOWN	2	PLAYER 2 START	COIN SW2	N/C	SERVICE SW	VIDEO SYNC	VIDEO GRN	TEST SW	SPEAKER +(L)	NC	METER 2	KEYWAY	+12VDC	-5VDC	+5VDC	+5VDC	GROUND	GROUND	FUNCTION
AE AF	ACI	l ABl	l aal	Z	Y	_ X_	- w	- 	_ 	_ 	_ S	- R -	_ p	_ Z	_ 		_ K _	_;	_ H	— T)	— H	_ D_	_ ი	– В	— >	
27 28	25	24	23	22 I	21	20	191	18	17	161	151	14	13	12	11	10	9	∞ · — ·	7	6	5	4 —	ယ —	2		
GROUND GROUND		PLAYER 1 SW C	_	<u> </u>	PLAYER 1 RIGHT			PLAYER 1 UP	home	COIN SW1	NC	VIDEO GROUND	VIDEO BLU		AUDIO (MONO)+	SPEAKER +(R)	NC	METER 1	KEYWAY	+12 VDC	-5VDC	+5VDC	+5VDC	GROUND	GROUND	FUNCTION
BLK BLK BLK	ORG/PNK	ORG/BRN	WHT/BLU	BLU/BLK	BLU/YEL	BLU/VIO	GRY	YEL	GRN/BLK	ORG/BLK		BLK/BLU	BLU	RED	GRY/BLK	ORG/GRN		WHT/ORG		ORG	VIO	PNK	PNK	BLK	BLK	COLOUR WIRE

NEO GEO

CONNECTORS

11. 12. GROUND	PIN 1. PLAYER 1 START 2. PLAYER 2 UP 3. PLAYER 1 LEFT 4. PLAYER 1 LEFT 5. PLAYER 1 SW A 7. PLAYER 1 SW B 8. PLAYER 1 SW C 9. PLAYER 1 SW D 10. GAME SELECT	CONNECTOR B
BLK	GRN/BLK YEL GRY BLU/VIO BLU/YEL BLU/BLK WHT/BLU ORG/BRN ORG/BRN BLU/WHT	(12P AMP M+L MALE HSNG)

CONNECTOR C

(12P AMP M+L FEMALE HSNG)

1 0.				6.				2	•	PIN
	PLAYER	PLAYER	PLAYER	PLAYER			PLAYER	PLAYER	PLAYER	
	2 SW D	_	2 SW B	2 SW A	2 RIGHT	2 LEFT	2 DOWN	2 UP	2 START	
	ORG/GRY	ORG/BLU	RED/BLU	RED/GRN	GRY/BLU	GRY/RED	GRY/RED	GRY/GRN	GRN/RED	

CONNECTOR D

11. 12. GROUND

BLK

(6P AMP M+L FEMALE HSNG

654321P	
+12VDC +5VDC COIN 2 CREDIT BD METER GROUND COIN 1	
ORG PNK YEL/BLK WHT/RED BLK ORG/BLK	

6. GROUND 7. GROUND 8. +12VDC 95VDC	3. 4. GROUND 5. GROUND	PIN 1. +5VDC 2. +5VDC	CONNECTOR F
BLK BLK ORG VIO	BLK BLK	PNK	9P AMP M+L MALE HSNG (MALE PINS)

4. 240V	3. 0V	2. 135V	1. 0v	CONNECTOR E
YEL	ORG	RED	BRN	4P AMP M+L MALE HSNG (MALE PINS)

5. 6. HORIZ SYNC	4. VIDEO GROUND	2. VIDEO GREEN		PIN	CONNECTOR G
WHT	BLK	GRN	BLU		6P AMP MODU MOD 1

CONNECTOR H	
4P	
AMP	
AMP MODU MOD	
MOD 1	

4. 240V	3. OV	2. 135V	1. 0V	PIN
YEL	ORG	RED	BRN	

TEST SW GROUND	CONNECTOR M
RED/YEL BLK	0.25" FASTON + BOOTS

SERVICE SW GROUND	CONNECTOR N	
YEL/RED BLK	PUSH SW	

CONNECTOR I

3P AMP M+L FEMALE HSNG

CONNECTORS

PIN 1. 3. 3. +5VDC (METER (METER

CREDIT **BD METER**

PNK WHT/ORG WHT/YEL WHT/RED

TON FITTED **777** PLUG) PLUG) PLUG)

NOTE: The meter wires are not connected to the plug until option has been established, i.e. if the credit board is used then the credit board meter will be used and the other two meter wires will then be made redundent.

CONNECTOR J

2P AMP M+L FEMALE HSNG

PIZ

GROUND +12VDC

BLK ORG

CONNECTOR K

SPEAKER + (LEFT) GROUND AUDIO MONO +

ORG/VIO

GRY/BLK BLK

SPEAKER GROUND + (RIGHT)

ORG/GRN BLK

CONNECTOR W

2P AMP M+L MALE HSNG (MALE PINS)

PIN

GROUND +5VDC

PNK

CONNECTOR

2P AMP M+L FEMALE HSNG

PIN

+5VDC GROUND

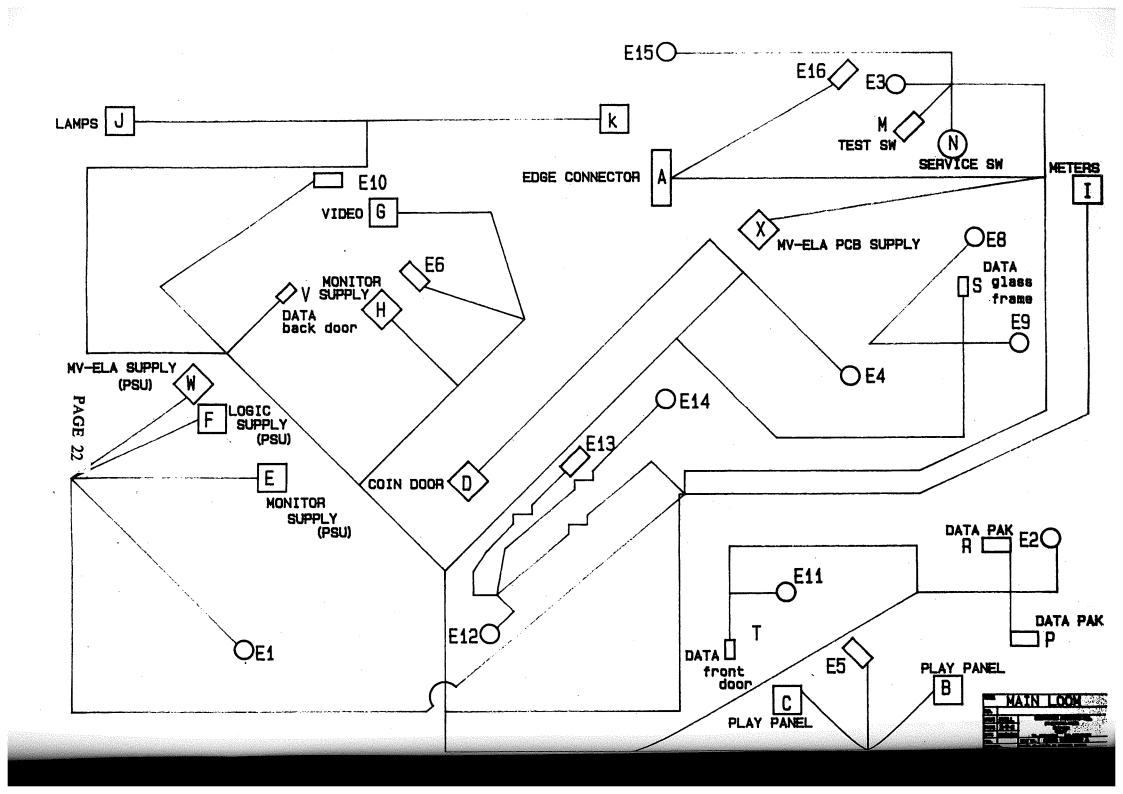
PNK

WIRE LIST

		·	
PART 1	REVISION	WIRE	48444444444444444444444444444444444444
NO 16920	ON A	FROM	A-A/1 A-B/2 A-C/3 A-C/3 A-D/4 A-F/6 A-AF/28 A-A-AAAAA-AAAAAAAAAAAAAAAAAAAAAAAAAAA
LIL	MAIN	TO	######################################
TITLE LIST	MOOT	COLOUR	BLK BLK PNK PNK PNK ORG BLK BLK BLK BLK PNK ORG ORG ORG ORG ORG/VIO ORG/VIO ORG/BLK GRN/RED BLK/BLU YEL/RED BLK/BLU YEL/RED GRY/GRN GRY/GRN GRY/IBLK GRY/IBLK GRY/IBLK GRY/IBLK GRY/IBLU YEL/BLK GRY/IBLU YEL GRY/IBLU ORG/BLU ORG/BRN ORG/BLU ORG/BRN
SHEET 1 OF	DATE 7-6	FUNCTION	GROUND GROUND +5VDC +5VDC +5VDC +5VDC GROUND METER 1 SPEAKER+(R) SPEAKER+(R) TEST SW VIDEO GRN VIDEO GRN VIDEO GROUND METER 2 METER 1 SPEAKER+(R) TEST SW VIDEO GROUND COIN 1 PLAYER 1 SW VIDEO GROUND COIN 1 PLAYER 2 SW FLAYER 1 Left PLAYER 2 SW PLAYER 1 SW A PLAYER 1 SW A PLAYER 1 SW B PLAYER 2 SW C PLAYER 1 SW C PLAYER 1 SW C PLAYER 1 SW D PLAYER 1 SW D GROUND
F 2	7-6-90	WIRE	24/02 24/02 24/02 24/02 24/02 13/02

WIRE LIST

00-1-1-1-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2							7
773 774 776 778 779	2422222	616558556656566656566665666666666666666	50 51 52 53 54	WIRE	REVISION	PART NO	
W-2 A-5/E E2 E12 E13 E10 E3	E3 E4 E5 E6 E3 E3 E9 A-26	P R T T T T T T T T T T T T T T T T T T	л Бе-2 -1.	FROM	ON A	NO 16920	
X-1 X-2 F-9 E12 E13 E14 E16	E3 E4 E5 E6 E10 E9 E11 E11	T Ted back T T1 V V1 S S1 E2		ТО	MAIN	TITLE	WIRE
FNK BLK VIO GRN/YEL GRN/YEL GRN/YEL GRN/YEL GRN/YEL GRN/YEL GRN/YEL	GRN/YEL	_		COLOUR	MOOT	Œ	ELIST
+5v GND -5v EARTH EARTH EARTH EARTH EARTH	EARTH	AUDIO(MONO)+ Data Pak Secure EARTH	Credit Bd Meter 0v 135v 0v 240v	FUNCTION	DATE 7-6-90	SHEET 2 OF	
24/02 24/02 24/02 24/02 24/02 24/02 24/02 24/02 24/02 24/02	24/02 24/02 24/02 24/02 24/02 24/02 24/02 13/02 24/02 24/02	•		WIRE)- 90	F 2	



ID	DESCRIPTION
A	56P HRS EDGE CONNECTOR keyway H-7
В	12P AMP M+L MALE HSNG
С	12P AMP M+L FEMALE HSNG
D	6P AMP M+L FEMALE HSNG
E	4P AMP M+L MALE HSNG male pins
F	9P AMP M+L MALE HSNG male pins
G	6P AMP MODU MOD 1
Н	4P AMP MODU MOD1
J	2P AMP M+L FEMALE HSNG
K	4P AMP M+L FEMALE
E12E14	OBA RING CRIMP
M E16	0.25" FASTON + BOOT
N	PUSH SWITCH
р	0.25" MALE FASTON + BOOT
R	0.25" MALE FASTON + BOOT
S	0.187" FASTON + BOOT
T	0.187" FASTON + BOOT

V	0.187" FASTON + BOOT
E1	2BA SERRATED RING CRIMP
E2	2BA SERRATED RING CRIMP
E3	2BA SERRATED RING CRIMP
E4 E15	2BA SERRATED RING
E10 E5	0.25" FASTON + BOOT
E6 E13	0.25" FASTON + BOOT
I	3P AMP M+L FEMALE HSNG
W	2P AMP M+L MALE HSNG male pins
E11 E9	2BA SERRATED RING CRIMP
E8	2BA SERRATED RING CRIMP
X	2P AMP M+L FEMALE HSNG

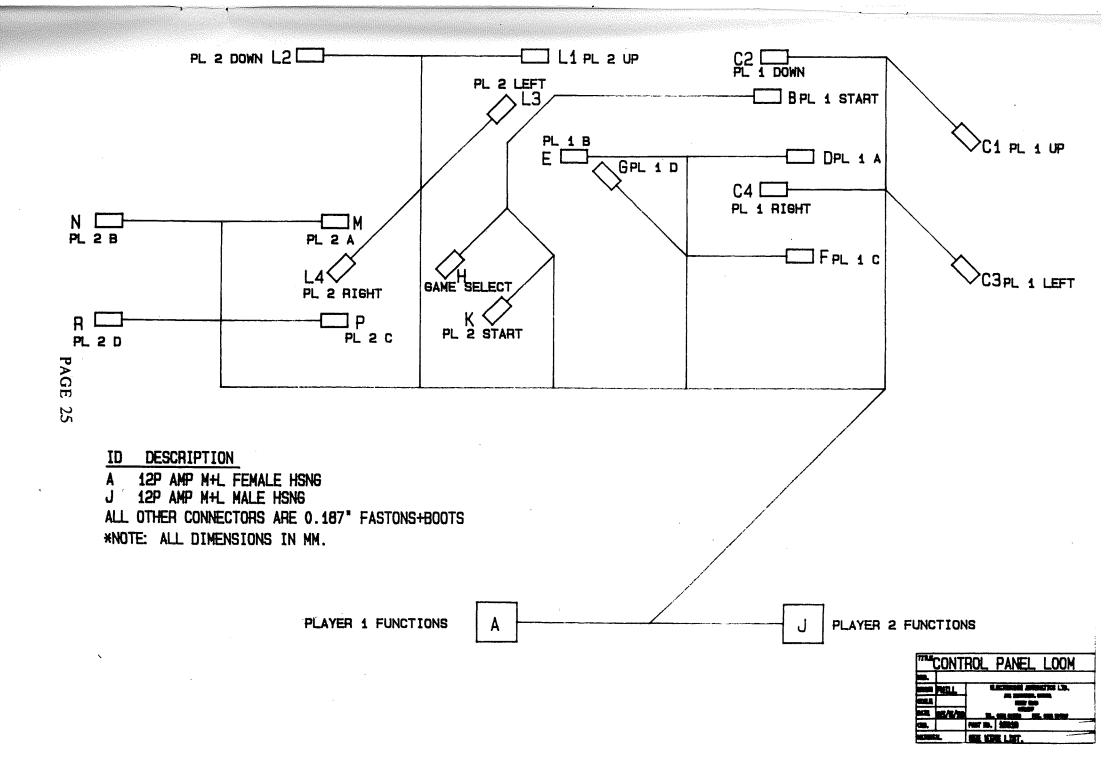
TITLE	MAIN	l LOOM	CONN	ECTORS		
MOD.						
DRAMN	PHILL	8_		AUTOMATICS LTD.		
SCALE		ACE DELITRIAL ESTATE FESSY SOAD				
DATE	27/3/90	CARDIFF TEL. 0222 222916 FAX. 0222 284886				
CHID.		PART NO.	P. 16	5920-1		
IRETAN	NL.					
FINISH						

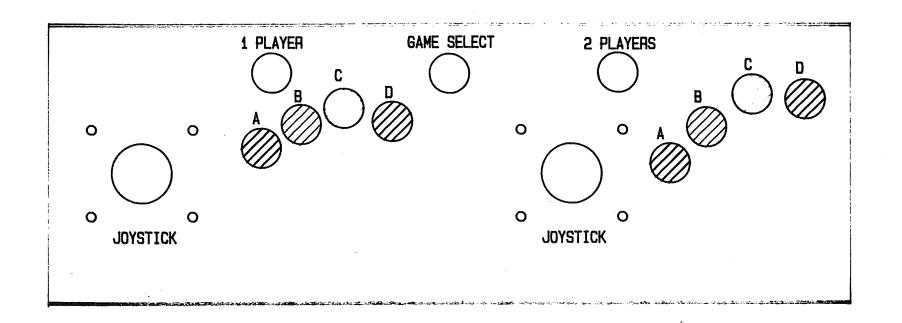
WIRE LIST

REVISION PART O 16919 CONTROL TITLE PANEL MOOT SHEET DATE 12-3-90 OF

WIRE O A-6 A-7 A-9 FROM XPPNZTCZCZCCCEDHBHCFED2CCCB TO RED/BLU ORG/BLU ORG/GRY BLK BLK
BLK
BLK
BLK
BLK
BLK
BLK
BLK
GRY/GRN
GRY/GRN
GRY/ORG ORG/PNK BLU/WHT BLU/YEL BLU/BLK GRN/BLK YEL GRY BLK BLK BLK BLK BLK BLK BLK BLK ORG/BRN WHT/BLU BLU/VIO COLOUR GROUND GROUND PLAYER PLAYER
PLAYER
PLAYER
PLAYER
PLAYER
PLAYER
PLAYER
PLAYER
GROUND
GROUND GROUND
GROUND
GROUND
GROUND
GROUND
GROUND
GROUND
GROUND GROUND **FUNCTION** SE LECT Right SW A SW B Left Right SW A SW B SW WS WS Start Down Start Left Цþ ď Down C13/02 D13/02 WIRE SIZE

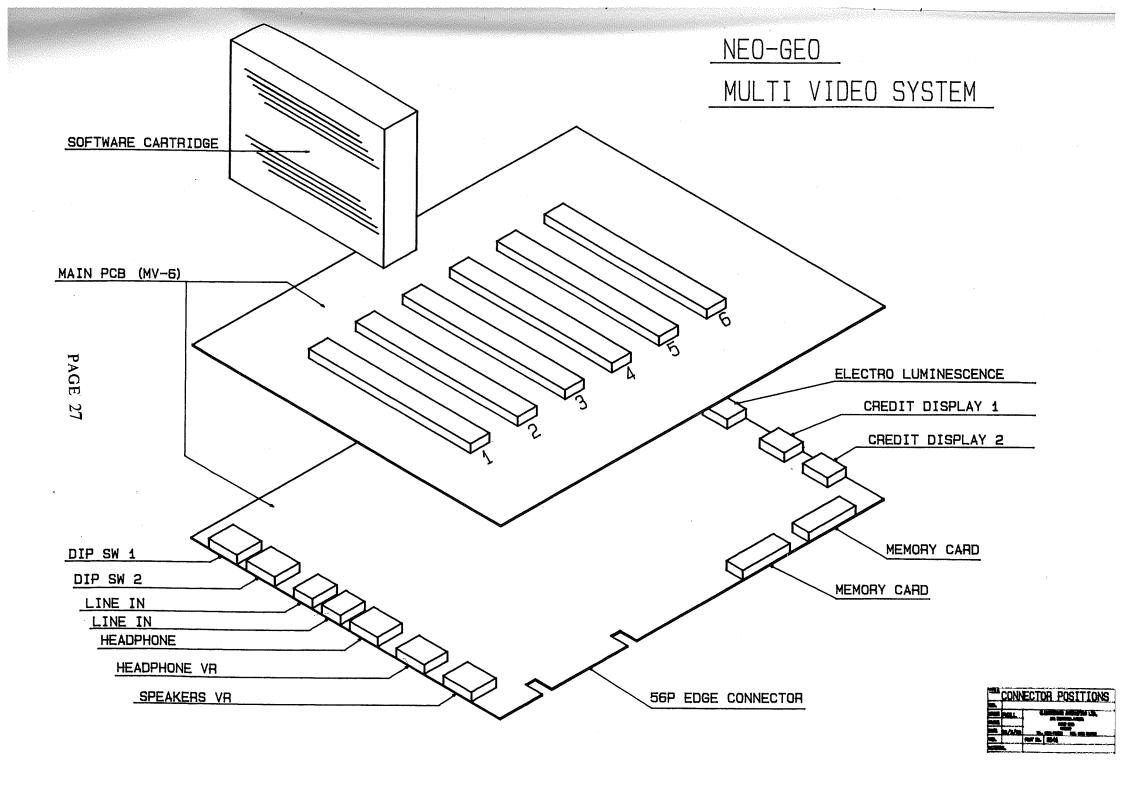
NOTE: APART FROM THE GROUNDS ON 0.187" FASTONS. ALL OTHER CONNECTORS ARE SINGLES





*NOTE: FOR INFORMATION ONLY.

TITLE (CONT	ROL	PANE	L	LAYOUT			
4.i .	-							
[#A#N	PHILL.	ELECTHUSIN AUTOMATICS LTD.						
PALE		A.E. INDISTRIAL ESTATE FEFFY ROAD						
LATE	22/3/90	TEL.	CARD. Serre redete		0222 384396			
₽£.			2045					
HATEFIAL.		A						
12424								



PARTS LIST

1 1 2 2 3 3 4 4 4 5 5 5 6 6	PART No. 54347 50233 50235 10039 14002 38514 11247	DESCRIPTION SHROUD REJECT REJECT BEZEL REJECT FLAP ASSY. Monitor 25" MTC 9000 PSU ASSY US 250 ASSY CONTROL PANEL MAIN PCB (MV-6)
	50235 10039	REJECT FLAP ASSY. Monitor 25" MTC 9
S 1	14002	PSU ASSY US 250
6	38514	ASSY CONTROL PANEL
7	11247	MAIN PCB (MV-6)
∞	12059	MEMORY CARD PCB (MV-IC)
9	12058	CREDIT PCB (MV-LED)
10	12060	EL DRIVE PCB (MV-ELA)
11	12061	EL B PCB 1/2
12	12062	EL B PCB 2/2
13	38516	ASSY COIN PANEL
14	38517	ASSY GLASS FRAME
15	38543	ASSY SPEAKER
16	64070	NEO GEO MANUAL
17	38560	ASSY PERSPEX
18	50005	6VDC & DIODE METER
19	66093	4mm ALLEN KEY

10 10 10 10 10 10 10 10 10 10 10 10 10 1	ITEM
201213 23481 16919 38176 21007 21000 21010 21011 21012 30109 30004 30058 54021 22118 22112 22121 22121 22121 22121 22121 22121 22121 22123 22120 22119 20091 20101 201027 12059 54515	<u>PART No</u> <u>38514</u>
CONTROL PANEL STEEL PANEL OVERLAY CONTROL PANEL LOOM ASSY JOYSTICK 8 WAY JOYSTICK SHAFT JOYSTICK WASHER BUSH (NYLON) ACTUATOR SWITCH NYLON JOYSTICK CIRCLIP M6 x 25 B'HD B2P SCREW M6 PLAIN WASHER M6 NYLOCK NUT CONTROL PANEL TRIM WHITE WYCO BUTTON BLUE WYCO BUTTON GREEN WYCO BUTTON GREEN WYCO BUTTON YELLOW WYCO BUTTON YELLOW WYCO BUTTON BUTTON PAL NUT WYCO BUTTON HOLDER ASS' LATCH RECEIVER BRKTS CONTROL PANEL HINGE IC CARD MOUNTING PLATE MEMORY CARD PCB (MV-IC) IC CARD SHROUD	DESCRIPTION ASSY CONTROL PANEL
1 1 1 2 2 2 2 2 2 2 8 8 8 8 8 8 8 8 8 8	<u>QTY</u> 1

987654321		7654321		54321		7654321		ITEM
36244 56006 12061 12062 201221 54516 16923 54512 16973	38543	201246 50234 20091 70021 54499 12058 52008	<u>38516</u>	24960 201241 52008 201220 201250	<u>38560</u>	24970 201273 201217 201217 201212 20290 30328 71040	<u>38517</u>	PART No.
SPEAKER PANEL WOOD 5" SPEAKER EC B PCB 1/2 EC B PCB 2/2 EC B PCB 2/2 GLASS FRAME BEZEL LIGHT BOX LIGHT BOX LOOM INSTRUCTION CARD PVC SPEAKER LOOM	SPEAKER PANEL ASSY	SENTI. COIN MECH PANEL F. PLATE SENTINEL IND.RES LATCH RECEIVER BRKT DOUBLE 0.25" EARTH TAG CREDIT PCB COVER CREDIT PCB (MV-LED) LOCK (280500)	COIN PANEL ASSY (UK)	PERSPEX LOCK BEZEL LOCK (280500) HINGE BEZEL SPEAKER GRILLE	PERSPEX ASSY	SCREEN GLASS BOTTOM EXTRUSION SIDE EXTRUSION TOP EXTRUSION GLASS CORNER BRKT No 8 x 5/6" TYPE B SCREW GLASS CHANNEL (5mm)	GLASS FRAME ASSY	DESCRIPTION
				21211		110000000000000000000000000000000000000		YTO

- WARNING-

Kindly take note of the following points when you link cabinets together.

- こ Make sure the link cable used is to be with Stereo Headphone Jack instead of Mono.
- Kindly change the dip switch on main hardware as per the following list in order to let the software recognize each cabinet.

 The combination of dip switch is:

Cabinet #3 Cabinet #4		
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	OFF	toggle 4
OFF	ON	toggle 5
000	2 O O	toggle 6

B

be responsible for servicing both Spares and Technical requirements for all U.K. manufactured Electrocoin machines, all "Famous Games" products, and all Board The above company has been formed as part of the Electrocoin Automatics Group at the Cardiff factory to provide the AfterSales Service necessary to support the variety of machines manufactured by Electrocoin Automatics Ltd. The company will Games distributed by Electrocoin Ltd. products, and all Board

Normal working hours are Monday to Friday 08.00 to 17.30 and Saturday morning 08.00 to 12.30.

Please contact the following staff for:-AfterSales & Service Tel No: 0222 373059 during working hours, 0836 536195 after hours/weekends.

PARTS ENQUIRIES

GARY SCOBLE

TECHNICAL INFORMATION

IAN COLLEY

ACCOUNTS ENQUIRIES

JULIE TIPPER

WORKSHOP MANAGER

MIKE CALLAN

CREDIT CONTROLLER

IAN HEPPENSTALL

FAULTY PLEASE REMEMBER, TO HELP US HELP YOU, PROMPT RETURN OF PARTS IS ESSENTIAL.

Assuring you of the best attention at all times.

ANGLEY

JEFF LANGLEY General Manager

ELECTROCOIN AFTERSALES & SERVICE LTD.