

ROUND UP 5 (UPRIGHT)

SPECIFICATIONS:

1. Power Supply	HANTAREX US 300
2. Power Consumption	140w
3. Play Pricing	Adjustable on Dip switches
4. TV Monitor	20" Hantarex 9000E colour monitor
5. Dimensions	Width : 590mm
	Depth : 870mm
	Height : 1828mm
6 Weight	Approximately: 140 kg
* The specifications and appearance m	nay be changed for improvement.
Table of Contents	
Installation	2
Adjustments of Color Video Monitor,	Refer to Hantarex Manual)
Play Instructions	
Test Mode	4
Dip Switch Settings	
Credit Board Information	6, 7
Connector Information	
Power supply (Refer to Hantare	x Manual)
Wiring Information	12, 13 & 14

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PRECAUTIONS TO BE OBSERVED WHEN INSTALLING MACHINE

THIS VIDEO GAME IS FOR INDOOR USE ONLY. WHEN INSTALLING AVOID PLACES MENTIONED BELOW

PLACES SUBJECT TO CONDENSATION DUE TO HUMIDITY.

IN THE PROXIMITY OF AN INDOOR SWIMMING POOL OR SHOWER. PLACES SUBJECT TO DIRECT SUNLIGHT. VICINITY OF HIGHLY INFLAMMABLE/VOLATILE CHEMICALS. 2

- 3.
- 4
- UNEVEN SURFACES 5.
- VICINITY OF FIRE EXITS AND FIRE EXTINGUISHERS. 6
- DUSTY ATMOSPHERE.

INSTALLATION

IT IS IMPORTANT TO AVOID ROUGH HANDLING OF THIS MACHINE AS CERTAIN PARTS ARE FRAGILE

UPON REMOVAL OF THE SHIPPING CARTON EXAMINE THE EXTERIOR OF THE CABINET FOR DENTS, CHIPS OR BROKEN PARTS. ACCESS TO THE APPLIANCE SHOULD ONLY BE MADE BY QUALIFIED PERSONNEL FOR

ANY PURPOSE.

INSPECT THE INTERIOR OF THE CABINET AS FOLLOWS:

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

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

C) CHECK ALL SUB ASSEMBLIES SUCH AS THE POWER SUPPLY FOR SECURE MOUNTING.

ENSURE THE MAINS SUPPLY IS CORRECT FOR OPERATION OF THE MACHINE, AND THAT THE SUPPLY HAS A GOOD EARTH CONNECTION.

SAFETY/MAINTENANCE

THIS VIDEO GAME REQUIRES CERTAIN MAINTENANCE TO KEEP IT IN GOOD WORKING ORDER.

IT IS ADVISED THAT THE SITE MANAGER CHECKS THE SERVICEABILITY OF THE MACHINE DAILY.

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 WORK.

HIGH VOLTAGES MAY EXIST IN ANY MONITOR UNIT, EVEN WITH THE POWER DISCONNECTED. USE EXTREME CAUTION AND DO NOT TOUCH ELECTRICAL PARTS, OR 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.

CAUTION

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

NEVER CONNECT OR DISCONNECT ANY CONNECTORS OF THE PCB, OR RESET THE DIP SWITCH SETTINGS WHILE THE POWER IS ON.

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

GAME DESCRIPTION

During this game you must pursue and round up a gang of criminals who are on the run after commiting atrocious crimes. There are five criminals in all and each has eluded the law and are now in different cities in America.

The criminals are:-

CODE:	01B315	CODE:	23C007
NAME:	LOID GERBLL	NAME:	MC. WALLAN
SUSPICION:	JAIL ESCAPES	SUSPICION:	WAREHOUS PLUNDERS
DISTRICT:	NEW ORLEANS	DISTRICT:	SEATTLE
CODE:	62A228	CODE:	82J725
NAME:	JUDY COATES	NAME:	RONALD HENRY
SUSPICION:	BANK ROBBER	SUSPICION:	MURDERS
DISTRICT:	LAS VEGAS	DISTRICT:	NEW YORK

CODE: NAME: SUSPICION: DISTRICT: 11K358 HARRY MURRAY NARCOTIC SMUGGLERS LOS ANGELES

At the start of your game a course map will appear informing you of your position and the position of the criminals.

After starting you will come to a junction in the road in which you have a choice, to go after the criminals.

Beware of the time limit. To increase your chances of reaching the gang use your Turbo Button wisely.

On reaching the gang you must fight off the Robots on Motorbikes by crashing into them and destroying them.

Once you have destroyed all the Robots you must then crash into the criminals vehical three times then the stage is over and you have arrested the criminal.

The game is finally over when the boss is arrested on the last stage.

TEST PROCEDURE

1. Press Test Switch which is located inside the coin door. The screen will now display as shown below.

COIN 1	00	START	OFF	HANDLE	00	
COIN 2	00	TURBO	OFF	ACCEL	OFF	
SERV.	00	SHIFT	ON	BRAKE	OFF	
COIN 1	1 COIN	1 CREDIT	Г	SW1		
COIN 2	1 COIN	1 CREDIT	Г	000000	000	
GAME TIME		MEDIUM		SW2		
GAME DI	FFICULTY	MEDIUM		1 1 0 0 0 0	000	
ATTRACT	SOUND	ON		:		
DISPLAY	TYPE	ENGLISH	•			
STAGE 5 CONTINUE ON						
OUTPUT 1	MODE	A	0000			

2. Press Test Switch again and the machine will now display the colour Bar Test for the monitor.

3. To Exit Test Mode press Test Switch again.

PAGE 4

DIP SWITCH SETTINGS

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DIP SW1

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		1	2	3	4	5	6	7	8
GAME TIME	MEDIUM LONG SHORT SHORTEST	ON OFF ON OFF	ON ON OFF OFF						
GAME DIFFICULTY	MEDIUM EASY HARD HARDEST			ON OFF ON OFF	ON ON OFF OFF				
ATTRACT SOUND	ON OFF					ON OFF			
DISPLAY TYPE	ENGLISH JAPANESE						ON OFF		
STAGE 5 CONTINUE	ON OFF							ON OFF	
OUTPUT MODE	LIGHT VIBRATION								ON OFF

DIP SW2

		1	2	3	4	5	6
COIN 1	1 COIN 1 CREDIT 1 COIN 2 CREDIT 2 COINS 1 CREDIT 3 COINS 1 CREDIT 4 COINS 1 CREDIT 5 COINS 1 CREDIT 6 COINS 1 CREDIT FREE PLAY	ON OFF ON OFF ON OFF	ON OFF OFF ON OFF OFF	ON ON ON OFF OFF OFF			
COIN 2	1 COIN 1 CREDIT 1 COIN 2 CREDITS 1 COIN 3 CREDITS 1 COIN 4 CREDITS 1 COIN 5 CREDITS 1 COIN 6 CREDITS 1 COIN 7 CREDIT FREE PLAY				ON OFF ON OFF ON OFF	ON ON OFF ON ON OFF OFF	ON ON ON OFF OFF OFF

<u>PART No 12164</u>

And Advantion of the second se

ELECTRONIC CREDIT BOARD

PINOUT INFORMATION

PIN COLOU	FUNCTION
1. YEL/BLK 2. N\C 3. WHT/BLU 4. N/C 5. WHT/GRN 6. N/C 7. WHT/BLK 8. N/C 9. WHT/YEL 10. BLU/BLK 11. BLU/YEL 12. BLU/ORG 13. BLU/WHT 14. BLACK 15. BLACK 15. BLACK 16. N/C 17. N/C 18. ORANGE 19. ORANGE 20. ORANGE 21. BLU/VIO 22. WHT/RED 23. ORG/BLK 24. N/C	10pMICROSWITCH OR N.P.N. OPEN COLLECTOR INPUT.10pMICROSWITCH OR N.P.N. OPEN COLLECTOR INPUT.10pPNP INPUT (MS 111/SENTINEL)20pINPUT (MICROSWITCH)20pINPUT (MS 111/SENTINEL)50pINPUT (MICROSWITCH)50pINPUT (MS 111/SENTINEL)50pINPUT (MS 111/SENTINEL)51INPUT (MS 111/SENTINEL)50VOLTS (10p INHIBIT)0VOLTS (20p INHIBIT)0VOLTS (50p INHIBIT)0VOLTS (50p INHIBIT)0VOLTS (51 INHIBIT)0VOLTS0VOLTS11/2DC
NOTES:- NOTE:	 Use 0 volts for negative common if plugging into MS 125 seperator unit. Ensure that there is no coin meter connected across any input, eg. via a microswitch or an adaptor card. On most unigame adaptors pin 10 is linked to pin 24, and pin 11 is linked to pin 25, these links should be removed completely. Then short pin 11 to pin 12 on the adaptor card. This then uses the output from the credit board meter drive. The meter will always total cash in 10p units regardless of any credit setting. More than one coin mech may be fed into the PCB. e.g. A) S10 (up to four) B) S10 X MS 111 C) S10 X MS 125 D) S10 X Sentine! Most credit boards are supplied with a standard credit loom. (Part No 16315) fitted with a male 6 way amp mate 'N' lock connector.
	Pinouts are shown below.
PIN	COLOUR FUNCTION
1. ORANGE 2. PINK 3. N/C	+12v DC SUPPLY +5v DC (LAMP SUPPLY)
4. WHT/RED	TO COIN METER

- 4. WHT/RED TO COIN METER 5. BLACK Ov DC 6. ORG/BLK COIN INPUT TO COIN INPUT TO GAME PCB.

PAGE 6

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DIP SWITCH SETTINGS V-2

FUNCTION	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>
Bonus Games			Not	used	_			
None For every 50p For every £1 For every £2	on off on off	on on off off						
1 Pulse per credit 2 Pulses per credit					on off			
Price per play								
10p 20p 30p 40p 50p 60p £1						on off on off on off on	on off off on on off	on on on off off off

£2

Please Note:- A bonus game will only be awarded if the game price of play is less than the bonus value set. Also if a mixture of coins are inserted, the time interval between coins inserted must be of less than 5 seconds for the bonus to be awarded.

EXAMPLES OF SETTINGS (FOR £1 INSERTED).

off off off

Price of	Play Bonus Games	Credits	Bonus	Total
10p	off	10	None	10
10p	For every 50p	10	2	12
10p	For every £1	10	1	11
20p	off	5	None	5
20p	For every 50p	5 5	2	7
20p	For every £1	5	1	6
30p	off	3	None	3
30p	For every 50p	3	2	5
30p	For every £1	3	1	4
40p	off	2	None	3
40p	For every 50p	2	2	4
40p	For every £1	2	1	3
50p	off	2	None	2
50p	For every £1	2	1	3

CONNECTOR INFORMATION

CONNECTOR CNA (MAIN BOARD)

	А	В		
GRY	TEST SW	1 -	COIN 1	BRN
RED	SERVICE SW	2	COIN 2	YEL
BLK	SW GROUND	3	SW GROUND	BLK
DER		4	START SW	VIO
		5	SW GROUND	BLK
		6	TURBO SW	BRN
RED	GEAR SW	7		
BLK	SW GROUND	8		
YEL	BRAKE SW	9	ACCEL SW	GRN
BLK	SW GROUND	10	SW GROUND	BLK
RED	HANDLE A	11	START LAMP	BLU
BRN	HANDLE B	12	HANDLE PCB +v	ORG
BLK	HANDLE GROUND	13	Intidee Teb ()	ono
DER	IIANDEE GROOND	13		
		15	METER 1	WHT
		16	METER 2	GRY
BLK	COIN LAMP GROUND	10	METER 2	UNI
		18		
ORG	COIN LAMP +12vdc			
		19	STADT LAND	ODC
		20	START LAMP +v	ORG

CONNECTOR CNE (MAIN BOARD) VIDEO PLUG

PIN 1	VIDEO RED	MONITOR LEFT	RED
2	VIDEO GREEN	MONITOR LEFT	GRN
3	VIDEO BLUE	MONITOR LEFT	BLU
4	VIDEO GROUND	MONITOR LEFT	BLK
5	HORZ. SYNC	MONITOR LEFT	WHT

THESE APPLE TO 3 MONITOR VERSION

6	VIDEO RED	MONITOR CENTRE	RED
7	VIDEO GREEN	MONITOR CENTRE	GRN
8	VIDEO BLU	MONITOR CENTRE	BLU
9	VIDEO GROUND	MONITOR CENTRE	BLK
10	HORZ. SYNC	MONITOR CENTRE	WHT
11	VIDEO RED	MONITOR RIGHT	RED
12	VIDEO GREEN	MONITOR RIGHT	GRN
13	VIDEO BLU	MONITOR RIGHT	BLU
14	VIDEO GROUND	MONITOR RIGHT	BLK
15	HORZ. SYNC	MONITOR RIGHT	WHT
16	N/C		

PAGE 8

CONNECTORS CNC/CND (MAIN BOARD LOGIC BOARD SUPPLY PLUGS

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PIN 1	GROUND	BLK
2	GROUND	BLK
3	GROUND	BLK
4	+5vdc	PNK
5	+5vdc [·]	PNK
6	N/C POLARIZING KEY	
7	+5vdc	PNK

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CONNECTOR H (INTERFACE PCB) VOLUME CONTROL

PIN	1	VOLUME	YEL/RED
	2	VOLUME	YEL/BRN
	3	VOLUME	YEL/GRN

CONNECTOR G (INTERFACE PCB) INTERFACE PCB SUPPLY

PIN 1	+12vdc	ORG
2	POLARIZING KEY	
3	GROUND	BLK
4	N/C	

CONNECTOR CNF (INTERFACE PCB) SPEAKERS

PIN 1	SPEAKER RIGHT	VIO
2	SPEAKER RIGHT	BLU
3	SPEAKER LEFT	GRN
4	SPEAKER LEFT	BLU
5	WOOFER	GRY
6	WOOFER	WHT
7	N/C	

CONNECTOR M (BRAKE PEDAL) (ONLY USED OF SITDOWN)

and a state of the state of the

PIN 1	GROUND
2	BRAKE SW

BLK/GRY BLU/YEL

BLUIYE

- 3 N/C
- 4 N/C

CONNECTOR L (ACCEL PEDAL)

PIN 1	GROUND	BLK/RED
2	ACCEL SW	YEL/BLU
3	N/C	
4	N/C	

CONNECTOR J (CONTROL PANEL)

PIN 1	GROUND	BLK/GRN
2	START SW	GRN/BLK
3	START LAMP	BLU/BLK
4	HANDLE GND	BLK/BLU
5	HANDLED A	GRN/BRN
6	HANDLE +V	ORG
7	HANDLE B	ORG/BLU
8	START LAMP +V	YEL
9	N/C	
10	N/C	
11	NIC	

11 N/C 12 N/C

CONNECTOR N (COIN DOOR)

PIN 1 2 3 4 5	+12vdc COIN LAMP +V COIN 2 CREDIT BD METER GROUND	ORG PNK YEL/BLK WHT/RED BLK/WHT	BLK
5	GROUND	BLK/WHT	BLK
6	COIN 1	ORG/BLK	•

CONNECTOR I (SERVICE/VOLUME CONTROL)

PIN	1	GROUND
	2	TEST SW
	3	SERVICE SW
	4	VOLUME
	5	VOLUME
	6	VOLUME

VOLUME

BLK/BRN YEL/ORG **RED/ORG** YEL/RED YEL/BRN YEL/GRN

CONNECTOR F (LOGIC SUPPLY)

PIN 1 2 3	+5vdc +5vdc +5vdc	PNK PNK PNK
4	N/C	
5	GROUND	• BLK
6	GROUND	BLK
7	GROUND	BLK
8	GROUND	BLK
9	+12V DC	ORG
10	N/C	
11	N/C	
12	N/C	

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CONNECTOR K (GEAR LEVER)

PIN 1	GROUND	BLK/RED
2	GEAR SW	PNK/BLK
3	TURBO SW	ORG/RED
4	N/C	

CONNECTOR Q (METERS)

PIN 1	+5vdc
2	*
3	*

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PNK WHT/ORG WHT/YEL WHT/RED

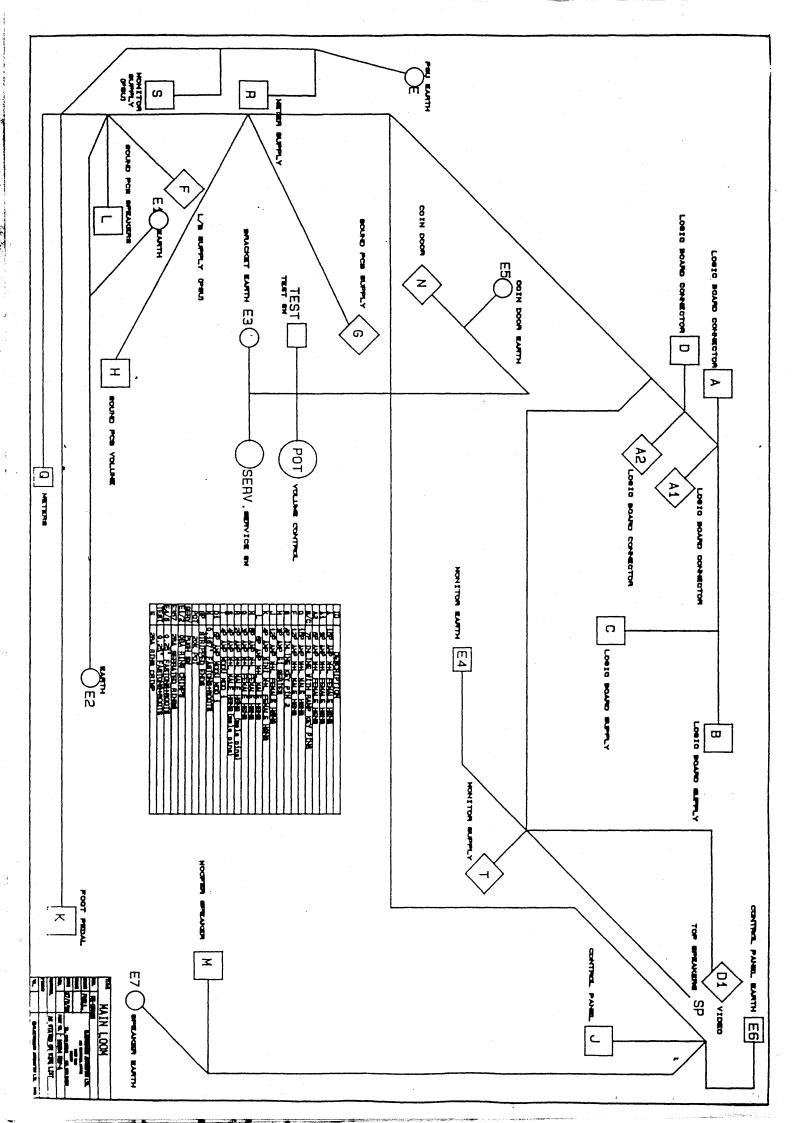
METER 1 METER 2 CREDIT BD METER

* THESE WIRES HAVE BEEN TIED BACK TO USE WHEN REQUIRED.

PAGE 11

WIRE LIST						
PART NO 16894 TITLE SHEET 1 OF 2						
REVISION B	MAIN	MAIN LOOM		E 12-3-90		
WIRE FROM NO	ТО	COLOUR	FUNCTIO	N WIRE SIZE		
1 $A-1$ 2 $A-2$ 3 $A-3$ 4 $A-4$ 5 $A-5$ 6 $A-6$ 7 $A-8$ 8 $A-10$ 9 $A-11$ 10 $A-15$ 11 $A1-1$ 12 $A1-2$ 13 $A1-3$ 14 $A1-4$ 15 $A1-5$ 16 $A1-6$ 17 $A1-7$ 18 $A1-9$ 19 $A2-1$ 20 $A2-2$ 21 $A2-3$ 22 $A2-4$ 23 $A2-5$ 24 $R-1$ 25 $D-1$ 26 $D-2$ 27 $D-3$ 28 $D-4$ 29 $D-5$ 30 $B-1$ 31 $B-2$ 32- $B-3$ 33 $B-4$ 34 $B-5$ 35 $B-7$ 36 $C-1$ 37 $C-2$ 38 $C-3$ 39 $C-4$ 40 $C-5$ 41 $C-7$ 42 $G-1$ 43 $G-3$ 44 $H-1$ 45 $H-2$ 46 $H-3$ 47 $F-9$ 48 $F-8$ 49 $N-4$ 50 $S-1$	TEST SW N-6 SERV SW N-3 N-5 TEST SW L-2 L-1 N-2 SERV J-2 J-1 J-7 J-3 J-5 J-6 J-4 J-4 J-8 J-9 J-10 J-11 Q-tied back Q-1 D1-3 D1-2 D1-1 D1-4 D1-6 F-5 F-5 F-6 F-1 F-1 F-1 F-2 F-6 F-7 F-7 F-7 F-7 F-7 F-7 F-2 F-3 F-3 F-9 F-8 POT-B POT-B POT-C N-1 N-5 Q-tied back T-1	PNK RED GRN BLU BLK WHT BLK/GRN BLK/GRN BLK/YEL PNK PNK PNK PNK PNK PNK PNK PNK PNK PNK	TEST SW COIN 1 SERVICE S COIN 2 COIN SW C SW GROUN ACCEL SW ACCEL SW COIN LAM COIN SW C START SW HANDLE B START SW HANDLE B START LAN HANDLE A HANDLE 4 HANDLE 4 HANDLE 6 START LAN TURBO SW GEAR SW SW GROUN METER 1 METER 2 METER +V VIDEO REL VIDEO GRI VIDEO BLU VIDEO GRI VIDEO BLU VIDEO GRI VIDEO BLU VIDEO GNI VIDEO BLU VIDEO GNI VIDEO BLU VIDEO GNI VIDEO BLU VIDEO GNI VIDEO BLU VIDEO GNI VIDEO H S GROUND GROUND GROUND GROUND GROUND GROUND STAUC +5vDC +5vDC +5vDC +5vDC +5vDC +5vDC +5vDC +5vDC +5vDC +5vDC +5vDC +5vDC +5vDC +5vDC +5vDC +5vDC +5vDC +12vDC GROUND VOLUME VOLUME VOLUME VOLUME VOLUME	$\begin{array}{c} 13/02\\ \text{SND} 13/02\\ \text{I} 13/02\\ \text{I} 13/02\\ \text{GND} 13/02\\ \text{GND} 13/02\\ \text{GND} 13/02\\ \text{GND} 13/02\\ \text{GND} 13/02\\ \text{I} 13/02\\ \text{V} 13/02\\ \text{ND} 13/02\\ \text{I} 24/02\\ I$		

WIRE LIST							
	PART	NO 16894	TITLE		SHEET 2 OF 2		
	REVISION B		MAIN	LOOM	DATE 12-3-90		
	WIRE NO	FROM	TÒ	COLOUR	FUNCTION	WIRE SIZE	
	51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67	S-2 S-3 S-4 E E1 E3 E3 E5 E6 E L1 L2 L3 L4 L5 L6	T-2 T-3 T-4 E1 E2 E3 E4 E5 E6 E7 K-4 SP SP SP SP SP M M	RED ORG YEL GRN/YEL GRN/YEL GRN/YEL GRN/YEL GRN/YEL GRN/YEL VIO BLU GRN BLU/WHT GRY WHT	MON 135v MON 0v MON 240v EARTH EARTH EARTH EARTH EARTH EARTH EARTH EARTH SPEAKER 1 SPEAKER 1 SPEAKER 2 SPEAKER 2 WOOFER WOOFER	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 13/02 13/02 13/02 13/02 13/02	



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ELECTROCOIN AFTERSALES & SERVICE LTD

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 be responsible for servicing both Spares and Technical requirements for all U.K. manufactured Electrocoin machines, all "Famous Games" products, and all Board Games distributed by Electrocoin Ltd.

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

Aftersales & Service Tel No: 0222 615100 during working hours, 0836 536195 after hours / weekends.

Please contact the following staff for:

PARTS ENQUIRIES		GARY SCOBLE
TECHNICAL INFORMATION	-	IAN COLLEY
ACCOUNTS ENQUIRIES	_	JULIE TIPPER
WORKSHOP SUPERVISOR	-	CLAUDE LEWIS
CREDIT CONTROLLER	-	STEPHEN HARRIS

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

Assuring you of the best attention at all times.

ANGNEY

JEFF LANGLEY General Manager

ELECTROCOIN AFTERSALES & SERVICE LTD.