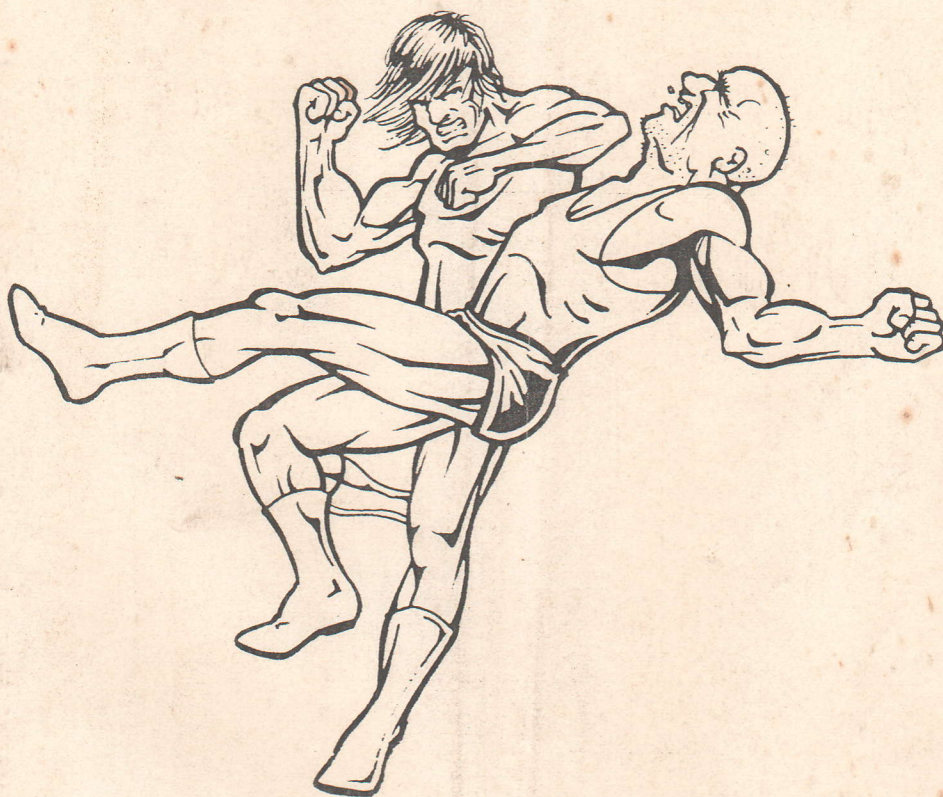


MANIA CHALLENGE™



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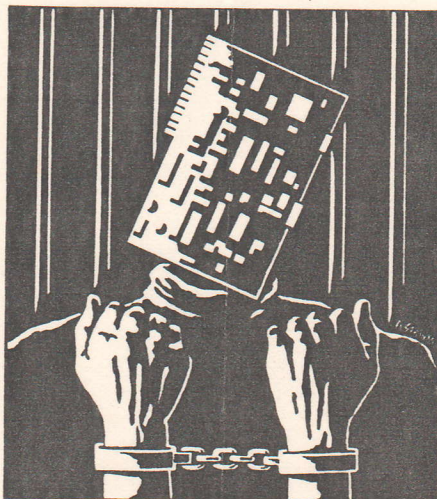
2350 Brickvale Dr.
Elk Grove Village, IL 60007

312-595-2828
TELEX #210227 ANSB. MEMORY

VIDEO GAME OPERATOR:

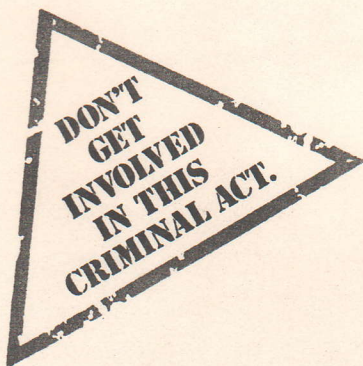
Don't Get Involved In A Federal Crime. Don't
Buy Or Operate Copy Or Unauthorized Boards In
Your Games.

Warning



*Every operator who buys or
operates a counterfeit or unauthorized
board (imported or domestic) is
contributing to the end of our industry
and committing a FEDERAL CRIME.*

*New criminal laws have recently
been enacted that provide for maximum
penalties of \$250,000 or five years in
prison or both, per offense. EACH
GAME IS A SEPARATE OFFENSE.*



WARNING

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The Federal Bureau of Investigation investigates allegations of criminal copyright infringement.

*If you have any information about any
unauthorized games in the United States,
contact your local FBI or,*

American Amusement Machine Association

205 The Strand
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All information will be treated in confidence.

IMPORTANT F.C.C. WARNING

THIS KIT IS INTENDED FOR USE ONLY ON COIN OPERATED VIDEO GAMES MANUFACTURED AFTER OCT. 1, 1983, WHICH HAVE BEEN VERIFIED FOR COMPLIANCE WITH THE REQUIREMENTS IN PART 15 OF FCC RULE FOR CLASS A COMPUTING DEVICES. IMPROPER CONNECTION OF THE KIT, OR CONNECTION TO ANY OTHER COIN OPERATED VIDEO GAME NOT SO MANUFACTURED OR VERIFIED FOR COMPLIANCE MAY CAUSE UNACCEPTABLE INTERFERENCE TO RADIO AND T.V. RECEPTION REQUIRING THE OPERATOR TO MAKE THE NECESSARY CHANGES TO CORRECT THE INTERFERENCE. MEMETRON, INC., TAKES NO RESPONSIBILITY FOR KITS IMPROPERLY CONNECTED TO GAMES FOR WHICH USE IS NOT INTENDED.

WARNING

MAKE SURE YOUR POWER SUPPLY PROVIDES THESE DC VOLTAGES:
+ 5 AT 7A, + 12 AT 1A & - 5 VOLTS

Pac-man, Ms Pac-man, Galaxian and other select games DO NOT provide a D.C. power supply. MEMETRON will not assume responsibility for any p.c.boards returned with damage caused by the introduction of improper voltages.

Pac-man, Ms Pac-man and Galaxian are trademarks of Bally Midway.

K I N G K I T C O N T E N T S

* *		* *
* *	MANIA CHALLENGE PC BOARD	* *
* *	INSTRUCTION MANUAL	* *
* *	CRT PLEXI	* *
* *	MARQUEE PLEXI	* *
* *	JOYSTICKS (2)	* *
* *	CONTROL PANEL OVERLAY	* *
* *	CONTROL PANEL DECALS	* *
* *	INSTRUCTION DECALS	* *
* *	WIRING HARNESS	* *

Contact your Memetron distributor for replacement parts.

MANIA CHALLENGE CONVERTS ANY
COLOR RASTER SCAN MONITOR
THAT IS OR CAN BE MOUNTED
VERTICALLY

N O T I C E

Parts salvaged from your old game are required to complete your kit. These salvaged parts must operate perfectly for the converted game to perform properly and safely.

MAKE SURE YOUR POWER SUPPLY AND MONITOR ARE WORKING PROPERLY
BEFORE ATTEMPTING CONVERSION!

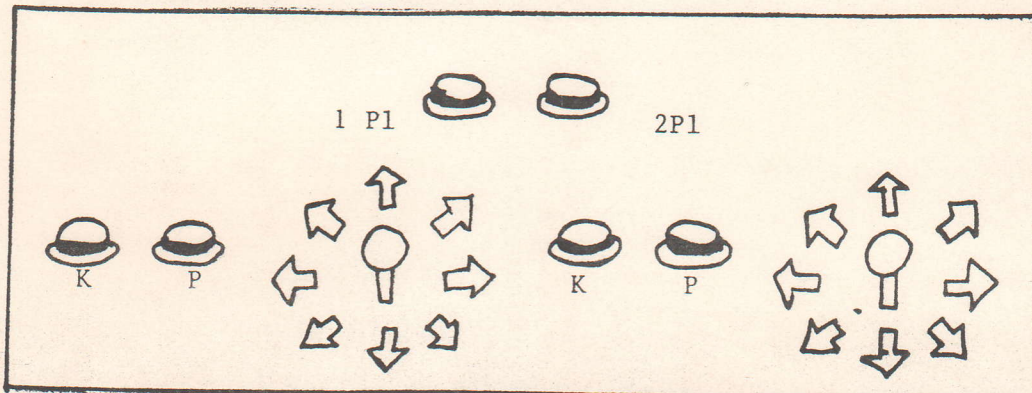
C A B I N E T

Reconditioning the cabinet is one of the most important things that you must do. Remove all old graphics and artwork from the cabinet. Clean the cabinet, and paint if necessary. Remember... A new game promotes player interest. This conversion is a new game... MAKE SURE IT LOOKS LIKE ONE.

C O N T R O L P A N E L

- 1) Remove the old buttons, joystick and control panel overlay (note.. do not throw out parts! certain items are required to complete your new control panel.)
- 2) Refer to suggested control panel layout. (below)
- 3) Drill any new holes that are necessary.
- 4) Plug any holes that will not be used, a common auto body bondo is probably the quickest filler available.
- 5) Carefully apply the new control panel overlay . Avoid getting air bubbles under the vinyl.
- 6) Once the overlay is in place, use an exato knife to cut out the button and joystick holes.
- 7) Place the new buttons, joystick and instruction decals on the control panel.

SUGGESTED CONTROL PANEL FOR MANIA CHALLENGE



CRT AND MARQUEE PLEXI

(wear protective eyewear while cutting plexi)

- 1) The marquee and crt plexi must be cut to fit your game.
Do not remove paper mask until this is done.
- 2) Remove old marquee and crt plexi from game.
- 3) Use these to measure and mark the new plexi for cutting.
- 4) The plexis can be cut the same way you cut tile or window glass.
We suggest using a scribing knife . Using a straight edge to guide the knife, draw the scriber several times along the edge.
Make sure your cuts go from end to end cleanly.
- 5) Lay the plexi on a table with the scribe mark hanging over the edge. While clamping the plexi to the table apply sharp downward pressure to the other side. Sandpaper should remove any rough edges.

GROUNDING

TO ASSURE PROPER GAME OPERATION AND TO PREVENT SHOCK HAZARD,
MAKE SURE GAME IS PROPERLY GROUNDED. DO NOT USE A "CHEATER"
PLUG TO DEFEAT THE GROUNDING PIN ON THE POWER CORD!

NOTICE

For safety and reliability, Memetron, Inc does not recommend or authorize any substitute parts or modifications of Memetron equipment.

Use of non Memetron parts and modifications of circuitry may adversely affect game performance.

Substitute parts or equipment modification may void FCC type acceptance.

Since this game is protected by federal copyright, trademark and patent laws, unauthorized game conversions may be illegal under federal law.

This "conversion" principal also applies to unauthorized facsimilies of Memetron, Inc., equipment logos, designs, publications, assemblies and games (or features not deemed to be in the public domain), whether manufactured with Memetron components or not.

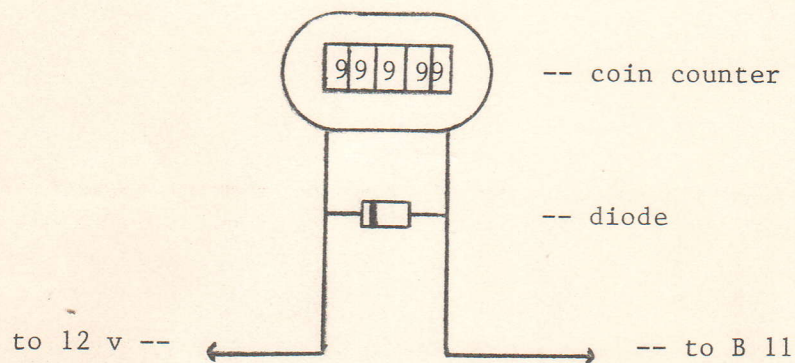
COIN COUNTER

To properly connect a coin counter on MANIA CHALLENGE you will need the following items.

- 1) 12 volt coin counter (1)
- 2) 1N 4004 diode (1)

(see diagram below)

- 1) connect the coin counter wire, (B11 on the PC board) to the anode side of the 1N 4004 diode, and then connect to one lead of the coin counter
- 2) Connect the other lead of the coin meter to the cathode side of the diode, and then connect to +12 volts on your power supply.
- 3) MAKE SURE THE DIODE IS IN PLACE AND HOOKED UP CORRECTLY OR DAMAGE TO THE PC BOARD MAY RESULT!



IF YOU HAVE ANY QUESTIONS CONTACT YOUR MEMETRON SERVICE REPRESENTATIVE
* (312) 595-2828 *

MAIN HARNESS
MANIA CHALLENGE

SOLDER SIDE				PARTS SIDE			
GA	WIRE/COLOR	SIGNAL NAME	PIN. NO.		SIGNAL NAME	WIRE/COLOR	GA
22	WHT-GRN	-5V	A1	B1	+12V	ORANGE	22
22	RED-GRN	SPEAKER GND	A2	B2	SPEAKER	ORG-GRN	22
22	YEL-RED	1P PUNCH	A3	B3	1P UP	ORG-YEL	22
22	BRN-YEL	1P RIGHT	A4	B4	1P LEFT	BLUE-YEL	22
22	VIO-WHT	1P START	A5	B5	2P START	VIO-YEL	22
22	ORG-WHT	2P PUNCH	A6	B6	2P UP	BLK-YEL	22
22	RED-WHT	2P DOWN	A7	B7			
22	BLUE-WHT	2P LEFT	A8	B8	2P RIGHT	BRN-WHT	22
			A9	B9	1P DOWN	GRY-YEL	22
			A10	B10	COIN 1	BLUE-GRY	22
			A11	B11	COIN COUNTER	GRN-GRY	22
22	PINK-WHT	1P KICK	A12	B12	2P KICK	YEL-GRY	22
22	GRN-BRN	VIDEO GREEN	A13	B13	VIDEO BLUE	BLUE-BRN	22
22	RED-BRN	VIDEO RED	A14	B14	VIDEO SYNC	WHT-BRN	22
			A15	B15			
18	BLACK	GND	A16	B16	GND	BLACK	18
18	BLACK	GND	A17	B17	GND	BLACK	18
18	RED	+5V	A18	B18	+5V	RED	18

MAIN HARNESS
MANIA CHALLENGE

SOLDER SIDE				PARTS SIDE		
GA	WIRE/COLOR	SIGNAL NAME	PIN NO.	SIGNAL NAME	WIRE/COLOR	GA
18	YELLOW	-5V	A1 B1	+12V	ORANGE	18
22	VIO-WHT	SPEAKER GND	A2 B2	SPEAKER	VIO	22
22	BLU-YEL	1P PUNCH	A3 B3	1P UP	ORG	22
22	BRN-WHT	1P RIGHT	A4 B4	1P LEFT	BRN	22
22	GRAY	1P START	A5 B5	2P START	ORG-WHT	22
22	BLK-YEL	2P PUNCH	A6 B6	2P UP	BLK-ORG	22
22	BLK-RED	2P DOWN	A7 B7			
22	BLK-BRN	2P LEFT	A8 B8	2P RIGHT	BLK-WHT	22
			A9 B9	1P DOWN	GRY-YEL	22
			A10 B10	COIN 1	BLU-GRY	22
			A11 B11	COIN COUNTER	BLU-RED	22
22	BLU-GRN	1P KICK	A12 B12	2P KICK	BLK-GRN	22
22	GREEN	VIDEO GREEN	A13 B13	VIDEO BLUE	BLUE	22
22	RED	VIDEO RED	A14 B14	VIDEO SYNC	WHITE	22
			A15 B15			
18	BLACK	GND	A16 B16	GND	BLACK	18
18	BLACK	GND	A17 B17	GND	BLACK	18
18	RED	+5V	A18 B18	+5V	RED	18

DIP SWITCH SETTINGS

DIP SWITCH 1

1	2	3	4	5	6	7	8	
								● Coin-A
OFF	OFF							1 Coin - 1 Play *
ON	OFF							1 Coin - 2 Play
OFF	ON							1 Coin - 3 Play
ON	ON							2 Coin - 1 Play
					N			● Coin-B
		OFF	OFF		O			1 Coin - 1 Play *
		ON	OFF		T			1 Coin - 2 Play
		OFF	ON					1 Coin - 3 Play
		ON	ON					2 Coin - 1 Play
					U			● Sound for Demonstration
				OFF	S			Sound *
				ON	E			No sound
					D			
								● Check Program
						OFF		OFF
						ON		ON
							ON	Invert Picture

DIP SWITCH 2

1	2	3	4	5	6	7	8	
								● Degree of Difficulty
OFF	OFF	DON'T USE	DON'T USE	DON'T USE	DON'T USE	DON'T USE	DON'T USE	Normal
ON	OFF							↓
OFF	ON							Difficult
ON	ON							

* SUGGESTED FACTORY SETTINGS