instruction manual

Ten yard fight '85"

attage of the ... Savage bee's "

FROM ANOTHER PLANET

Memistron inc. 2350 Brichvale Dr. Elegrove Vrllage, IL. 60007 312-595-2828

Pear Operator

We hope you will be pleased with your purchase of Memetrons first lift spits, promerous first lift spits, promerom our information we have gathered from our extension we have gathered from our extension field testing, we are confident that, ones you place these games on location you will be exalted by the player response as we are that your investment on a Memetron product will give you a solid return on your hard—sarmed dollars.

Memotron is committed to provide the coin op industry with innovative price composition equipment. Memotron currently markets products designed for the areades, wall besses for music operations and expects to continue to license other new products in the near future.

§inearaly, ~

Joe Haminijoes Director of Marijeting Memetron inc.

VIDEO GAME OPERATOR

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





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 FIDERAL CRIME.

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





The leaves flavor of breakers to recognize the special of a state officer to repeate.

If you have any unjurnation about dry quantilarized games in the United States, contain your local FBI or,

American Anjusement Machine Association

205 The Strand Suite 3 Alexandria, Virginia 22314 (703) 548-8044

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 October 1, 1983, which have been verified for compliance with the requirements in Part 15 of PCC rule for class A computing device. Improper connection of this kit or connection to any other coin operated video game not so manufactured or verified for compliance may cause unacceptable interference to radio and ty reception requiring the operator to make necessary to correct the interference. Memetron Inc., takes no responsibility for kits improperly connected and those connected to games for which use is not intended."

CEPTION & ACTUALS

WARNING

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

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

Substitute parts or equipment modifications 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" principle also applies to unauthorized facticiles of Memetron equipment, logos, designs, publications, assemblies and games (or features not deemed to be in the public domain), whether manufactured with Memetron components or not.

Warning

Three-Wire Plug. This game must be plugged into a properly-grounded outlet to prevent shock hazard and to assure proper game operation. Do Not use a "cheater" plug to defeat the ground pin on the power cord, and do not cut off the ground pin.

MOTICE

Parts salvaged from your old game are required to complete your kit. These salvaged parts MUST operate perfectly, or the converted game cannot perform properly of safely. Always repair circutboard malfunctions and cabinet damage before conversion is attempted

MOTICE

This kit is not intended for use with X-Y moniters. Suitable moniters are the horizontal or verticle raster-type with inputs for red, green and blue video as well as negative sync. (These inputs should be compatiable with TTI logic levels.) Note: Savage Bees uses a verticle moniter, Ten Yard Fight'85 uses a horizontal moniter.

NOTICE

Be sure the power supply from your old game is capable of +5VDC, +5VDC at 6A and +12VDC at 1A. These operating voltages are necessary for your Kit.

NOTICE

SAVAGE BEES & TEN YARD FIGHT '65' are registered trademarks of Memetron Inc., 1985.

HOTICE

Please make sure you clean and lubricate your old coin mechanisms. It is important that you service them in order for this game to earn the maximum projected earnings.

	4763 (766)	Debioong
[]	CPU Board	(1)
[]	Joystick(s)	(S2,T1)
0	Control-panel overlay	(1)
[]	Marquee overlay	(1)
[]	Side Graphics	(2)
[]	Wiring harness	(1) ·
[]	Instructions	(1)
Ð	Play instructions	(1)
[]	FCC sticker	(1)
[]	Misc. control strickers	(NA)
Ð	Mounting screws	(4)
B	Drilling template	(1)
IJ	Joystick star	(S2,T1)
[]	Promotional sticker	(1)
[]	PCB Mounting blocks	(4) -
T	ලෙඳු එක දිබ්මමයායිදී ල	
[]	Electric screwdriver	•
1	Wire Cutters	
1]	Electric drill	
[]	Soldering form & solder	-
[]	Pliers	
	Phillips screwdriver	100
[]	Hex driver	
[]	180-grit sandpaper (sander)	
IJ	Navy blue, semi-gloss later paint	
H	Grease pencil or marker	

After the control panel is securely on, with an exacto knife or razor blade carefully cut out holes on the control panel. Next stick the joystick stars and button stickers on the control panel. Replace your buttons on the control panel and tighten them down. Return the control panel to the game for the next step in the kit process.

NOTICE

Refer to the decal layout sheet for more information on graphics position.

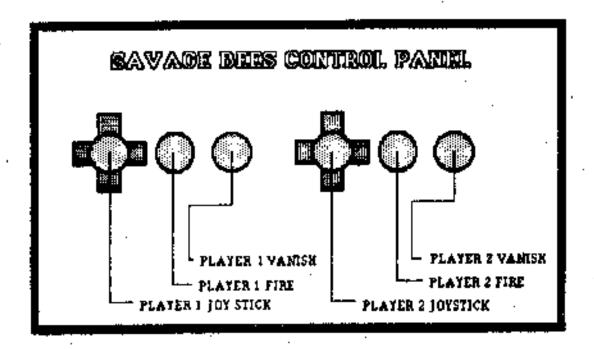
Refer to the control panel template for control layout suggestions.

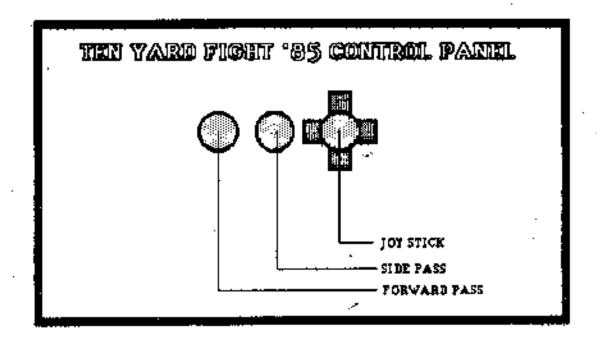
If the control panel that you are going to use is wood and is too thick for use with the enclosed button holders, than remove the switches from the holders and shim them with spacers.

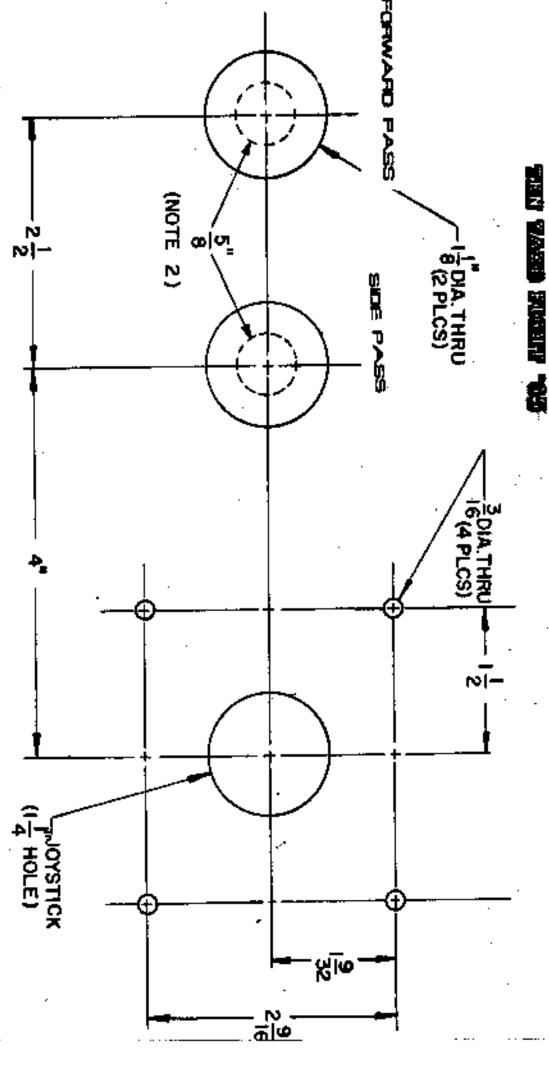
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- [] Disconnect the old wiring harness from the CPU board. Using the schematic drawings from your old game, carefully note the function of each wire. Label the wires if this helps.
- [] Carefully remove all circutboards and the metal circutboard panel from the game. Leave the transformer chassis and the power supply braid in the game.
- [] Leaving several inches of wire from the old wiring harness at each connector, cut the wires near the game's coin door, moniter, player panel, power supply and speaker. DON'T cut the other side of these same wires (that is at the CPU-board end).
- [] Following the schematic drawings for your kit, solder the coin-door, moniter, control panel, power-supply and speaker wires to the new CPU-board harness. Using electrical tape, be sure to insulate all splices.
- [] If your game has series-pass transistors for the power supply on a separate heatsink, remount the metal heatsink beside the power supply board.
- [] Check and clean the input jack on the power-supply board. Replace any burned or damaged pins

THANK YOU FOR THE PURCHASE OF A MEMETRON HIT KIT I





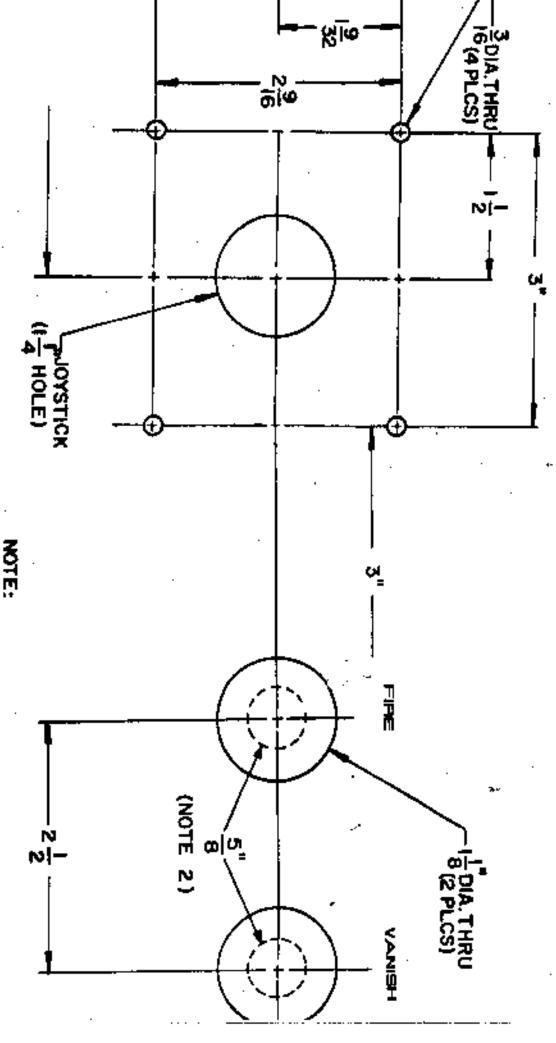


NOTE

- I THESE DIMENSIONS ARE TO SCALE AND REFER TO METAL CONTROL PANELS.
- 2. FOR WOOD CONTROL PANELS, DRILL 5/8"
 HOLE COMPLETELY THROUGH. THEN DRILL
 1-1/8" HOLE TO 5/16" DEPTH.

CONTROL PLATE





CONTROL PLATE

THESE DIMENSIONS ARE TO SCALE AND REFER TO METAL CONTROL PANELS.
FOR WOOD CONTROL PANELS, DRILL 5/8"

HOLE COMPLETELY THROUGH THEN DRILL 1-1/8" HOLE TO 5/16" DEPTH.

MAIN HARNESS

10-YARD FIGHT KIT CONVERSION

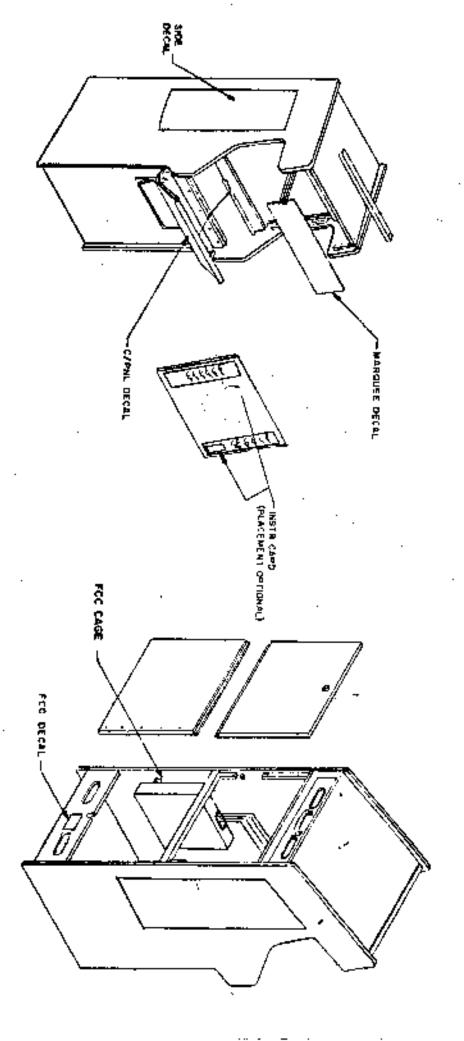
GA.	FUNCTION	WIRE / COLOR	₽	IN	WIRE / COLOR	FUNCTION	GA.
18	GND	GRN	A	1	● GRN	GND	ìß
1 B	GND	GRN	В	2		GND N/C	
:		•	c	3			
•			D	4	BLK WHT	LEFT COIN CNTR.	22
	20 lett	grey	Ĕ	5	BRN	JOYSTICK LEFT	2 2
	3'd ricks	white	F	6	BRN WHT	JOYSTICK RIGHT	2 2
	20 Side DASS	Blue	Н	7	BLK	SIDE PASS	2 2
2 2	1 PLAYER	GRY	7	8	ORG WHT	2 PLAYER	2 2
22	RIGHT COIN CNTR.	BLU RED	K	9			
2 2	NEG. SYNC	THW	-	10	BLU WRT	COIN SW. RIGHT	2 2
1.8	+12	YEL RED	×	11	YEL RED	+ 12	1.6
	<u>.</u>		Z	12			
2 2	AUDIO +	WHT RED	P	13	VIO	AUDIO	22
2.	Pl For PASS	2	R	14	WHT BLU	FORWARD PASS	2 2
22	VIDEO GREEN	GREEN	\$.	15.	RED	VIDEO RED	2 2
			T	16	BLVE	VIDEO BLUE	2 2
	21/ × du	لعيهم	U	17	SIAWE	ړه د ده کا ام ⊊	
2 2	JOYSTICK DOWN	GRY WHT	٧	18	ORG	JOYSTICK UP /	2 2
2 2	COIN SW. LEFT	RED WHT	W	19	YEL RED	SERVICE SW.	2 2
1 B	+5	RED	X	20	RED	+5	1 8
•			Y	21			-
1.6	GND	GRN	7	22	GRN	GND	1 8

COMPONENT SIDE

SAVAGE BEES KIT MAIN CABLE

GA.	COLOR	FUNC	TION	PIN	₽IN	FUNC	TION	COLOR	GA.
18	GRN	GNI	p	A	1	● G	ND	GRN	18
18	GRN	GN	D	8	2	G	ND	GRN	18
18	RED	+5		c	3		-5	RED	18
18	RED	+5		D	4	+	- 5	RED	18
22	GREEN	VIDE	0	E	5	VIC	EO	RED	22
22	WHT	NEG ST	INC	F	6	VIDEO		BLUE	22
7.8	GRN	GN	Đ	н	7	ĞI	ND	GRN	18
		Tillille	Wille	1-1	8		7/1///		
22	ORG		SHOT 2	К	9	SHOT 2	<u> </u>	ORG	22
22	YEL RED		SHOT 1	L	10	SHOT 1		YEL RED	22
22	GRY	2 PLAYER -	UP 1	M	11	UP 1	-1 PLAYER	GRY	22
22	VIO		DOWN 1	N	12	DOWN 1		VIO	22
22	ORG WHT	-	LEFT 1	P	13	LEFT 1		ORG WHT	22
22	BLU WHT		RIGHT 1	R	14	RIGHT 1/		BLU WHT	22
18	GRN	GN	P	5	15	ĢN	ID.	GRN	18
		2 PLA	YER START	T	16	1 PLAYER S	TART	WHT RED	22
22	GRY WHT	SERV	ICE .	U	17				
22	WHT BLU	COIN	2	V	18	COIN	1	RED WHT	22
18	GRN	GN	D	W	19	GN	iD	GRN	18
	_			Х	20				
				Y	21	-1			
22	BLK	+12 CQ!	NOMN	Z	22	+12 CQA	AMON	BLK	22
22	WHT	CNTR 2	}	а	23	CNTR	1	GRN	22
22	BLU	SPKR	_	Ь	24	SPKR -	r	RED	22
18 '	YEL RED	+12		C	25	. +12	?	YEL RED	18
22	BRN	+12 G	ND	d	26	+12 G	ND	BRN	22
18	GRN	GNE)	Е	27	_ GN	D	GRN	18
18	GRN	GND)	f	28	GN	D	GRN	18

COMPONENT SIDE



"10-YARD FIGHT" DIP SWITCH ADJUSTMENTS

DIP SWITCH 1

0	PTIONS		SWITCHES	1	2	3	4	5	6	7	8
Т	MER		NORMAL		···· <u>-</u>	OFF	DFF			•	
S	speed Between		X 1.3	[ON	OFF	}			
	BETWEEN Plays		X 1.5]		OFF	ON	}			
P	PLAYS SELECTOR MODE 2 DIP SWITCH 2 POSITION 3		X 1.8 .			ON	ON	i			
		88	1 COIN/1 PLAY			<u> </u>		OFF	OFF]	
	MODE 2	區對	2 COINS/1 PLAY	Ţ		İ		ON	OFF]	į
		[ĕ'[3 COINS/1 PLAY	1		ļ		OFF	ON]	
	DIP SWITCH 2	20 2	FREE PLAY]				ON	DΝ		
	POSITION 3 ON	8%) COIN/2 PLAYS]						OFF	DFF
ΙI	211	仮剤	1 COIN/3 PLAYS]						QN	OFF
	ON SELECTOR B	[₫']	1 COIN/5 PLAYS]	. .					OFF	ON.
_		☐ 1 COIN/6 PLAYS		AL WAYS					ON	98	
[윤	-1		1 COIN/1 PLAY]				OFF	OFF	OFF	OFF
[골			2 COINS/1 PLAY]	OFF			QN.	₿FF	DFF	DFF
[홍]	MODE 1		3 COINS/1 PLAY].				OFF	DN	OFF	OFF
緩	DIP SWITCH 2 R POSTION 3		4 COINS/1 PLAY]				ON	ON	OFF	OFF
I R			5 COINS/1 PLAY	}				DFF	OFF	ON	OFF
NOTE	DFF		6 COINS/1 PLAY	1				ON	OFF	ON	O FF
]₫!			1 COIN/2 PLAYS]				OFF	OFF	ÓFF	ON
			1 COIN/3 PLAYS]				OĦ	OFF	OFF	ON
.			1 COIN/4 PLAYS	1				OFF	QΝ	QFF.	QΝ
-			1 COIN/5 PLAYS	1				an	ON	OFF	ON
] i		ľ	1 COIN/6 PLAYS	1.				OFF	OFF	ON	ON
	i	Ī	FREE PLAY					ON ·	ON	ON	ÓN
	CONTINUED PL	AV.	YES	ON]						
	COMMINDED PL	~''	· NO	OFF	[

Notel

Set for Coin Mode 1 in case a single coin-selector or two selectors of the same commande are used. Set for Coin Mode 2 in case two coin-selectors of different coin Values are used.

DIP SWITCH 2

	 					T	····	··	$\overline{}$	
OPTIONS		WITCHES	1	2	3	4	5	6	7	8
CORE M UNITED COOK	PLAYER 2		QFF]			<u></u>	
SCREEN INVERSION CABINET TYPE GOIN MODE FREEZE PICTURE	PLAYER 1		ŌΝ						<u> </u>	
PARINET TYPE	ĪΤ			OFF	L]				
CAPINET TIPE	UPRIGHT			ON].				
COIN MODE	MODE 1			<u> </u>	OFF	AL-		AĻ-	<u> </u>	
GOIN MODI.	MQDE 2				ON	WAYS		WAYS		<u> </u>
COCCTO DISTURB	NORMAL					OFF	OFF	OFF		<u> </u>
FREEZE PICTORE	FREEZE	·		<u> </u>]	ON			·
HIT MODE	NORMAL								OFF	ļ
	NO HIT					1		i	ON.	i_ _
TEST MODE	NORMAL			<u> </u>						OFF
FREEZE PICTURE HIT MODE TEST MODE	TEST									ON

NOTE! Press 2P, start button to freeze picture. Press 1P, start button to lef it move again.

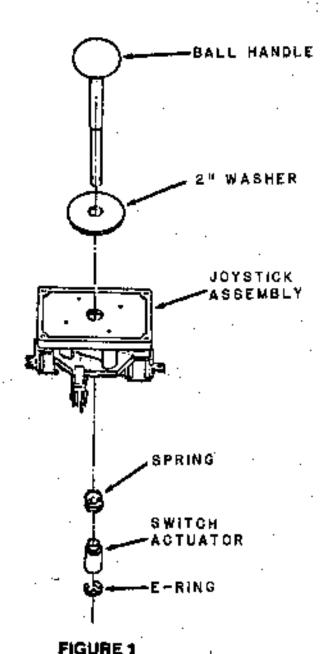
DIP SW A									
ITEM	DESCRIPTION	ı	2	3	4	5	В	7	а
TEST MODE	HORMAL TEST	OFF							
PORTBALT STOP	NORMAL STOP		운영.	' !					. !
JAPAN FOREIGN	JAPANESE LANGUAGE ENGLISH LANGUAGE		,	OFF ON					
1P/2P PLAY FRE	1P/1 COIN, 2P/2 COINS COMMON FEE				OFF ON				
NUMBER OF PLAYER	3 1 2 5					OFF OFF ON	OFF OFF ON		
BONUS PLAYER	50T-100T-250T-500T-750T 100T-250T-500T-750T-1000T 100T-250T-500T-1000T-2000T 200T-500T-1000T-2000T							OFF OFF ON	OFT ON OUTS
DIP SW B	T= THOUSAND	•							
ITEM	DESCRIPTION	1	2	3	4	5	6	7	В
DEMO SOUND	WITH SOUND WITHOUT SOUND	OFF ON		.					
CONTINUE	CONTINUE DISCONTINUE		OFF ON						
COIN R	1 CREDIT - 1 COIN 2 CREDIT - 1 COIN 3 CREDIT - 1 COIN 4 CREDIT - 1 COIN 5 CREDIT - 1 COIN 1 CREDIT - 2 COINS 1 CREDIT - 3 COINS 1 CREDIT - 4 COINS			OFF OFF OFF ON ON ON	OFF ON ON OFF OFF ON	OFF OFF OF OF OF OF OF			
COIN 1	SAME AS COIN 2						SAME 3,4,6		

JOYSTICK ASSEMBLY

- Refer to FIG. 1 before starting installation.
- For normal replacement of Ball Handle, Spring and/or Switch Actuator, disregard steps 3. 4. and 5 below.

INSTALLATION INSTRUCTIONS

- From inside of game, remove E-ring from Ball Handle Shaft.
- Pull Ball Handle out of Joystick Assembly and remove Switch Actuator and Spring from inside of game.
- Remove Joystick Assembly from Control Panel of game.
- 4. Replace 2" washer.
- Fasten Joystick Assembly to Control Panel of game.
- Insert new Ball Handle through Control Panel and Joystick Assembly.
- From inside the game, push Spring and appropriate Switch Actuator over end of Ball Handle Shaft and secure with E-ring.



Sorry were out of Stock 1

MEMETRON HAS TEMPORARILY RUN OUT OF FCC CAGES OUR PARTS DEPARTMENT WILL SHIP AN FCC CAGE TO YOU UPON RECIPT OF THE ATTACHED FORM. THEY WILL BE IN STOCK AS OF JUNE 10, 1985. WE ARE SORRY FOR ANY INCONVENIENCE WE MAY HAVE CAUSED YOU.

TO RECEIVE YOUR FCC CAGE PLEASE MAIL THE FOLLOWING

FORM TO: MEMETRON INC.

2350 BRICKVALE DRIVE

ELK GROVE VILLAGE, IL. 60007

312-595-2828

COMPAN	IY NAM	ſE		
YOUR NA	AME		-	
ADDRES	S			
PHONE	()	-	
KIT NA	ме	-	PCB SERIAL*	

NOTICE: PLEASE DO NOT USE POST OFFICE BOX NUMBERS

THANK YOU I

ASK ABOUT OUR HOT NEW GAME THATS JUST RIGHT FOR THE SUMMER TIME

under exclusive license to memetron inc. from inem inc.

AMENDMENT WIRING

GA.	FUNCTION	WIRE / COLOR	P	IN	WIRE / COLOR	FUNCTION	GA
18	GND	GRN	Ti	IA	O GRN	GND	18
18	GND	GRN	2	B		GND N/C	HE STATE
10		A CONTRACTOR	13	C	是是一个人的。 1000年的第一人的人们的人们的人们的人们们们们们们们们们们们们们们们们们们们们们们们们们	14	E 27
		the sales	14	D	BLK WHT	LEFT.COIN CNTR.	2 2
	* 2 PLAYER LT		5	E	BRN	JOYSTICK LEFT	22
	* 2 PLAYER RT	トート	16	F	BRN WHT	JOYSTICK RIGHT	2 2
	* 2 PL SIDE PASS		7	H	BLK	SIDE PASS	2 2
22	1 PLAYER	GRY	8	J	ORG WHT	2 PLAYER	22
22	RIGHT COIN CHTR.	BLU RED	9	K			
22	NEG. SYNC	WHT	10	1	BLU WHT	COIN SW. RIGHT	22
18	+12	YEL RED	11	M	YEL RED	+12	18
-			12	N			
22	AUDIO +	WHT RED	13	P	VIO .	AUDIO -	22
	* 2 PL FOR PASS		14	R	WHT BLU	FORWARD PASS	2 2
22	VIDEO GREEN	GREEN	15	5	RED	VIDEO RED	22
	E LE COMPA		16	T	BLUE	VIDEO BLUE	22
	* 2 PLAYER DN	THE SECOND	17	U		* 2 PLAYER UP	
2 2	JOYSTICK DOWN	GRY WHT	18	٧	ORG	JOYSTICK UP	22
2 2	COIN SW. LEFT	RED WHT	19	W	YEL RED .	SERVICE SW.	22
18	+5	RED	20	X	REQ	+5	18
1914		AND THE STATE OF THE STATE OF	21	Y			
18	GND	GRN	22	Z	GRN	GNO	18

COMPONENT SIDE

* NOTE: THESE CABLES MUST BE ADDED TO THE CONNECTOR FOR THE VS. SOFTWARE VERSION.