instruction manual

TEN YARD FIGHT '85"

attack of the ...

Savage bee's "

FROM ANOTHER PLANET

Memetron inc. 2350 Brichvale dr. Elegrove Village, IL. 60007 312-595-2828

Pear Operation

We hope you will be pleased with your purchase of Memetrons first lift this, from our information we have gathered from our extensive 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 we you have some on a Memetron product will give your lawestants on a Memetron product will give your a solid return on your hard—sarmed dollars.

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

Sincerally, ·

Joe Kaminkow Director of Marketing 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 demestic) 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 DD or five years in prison or both, per offense, EACH GAME IS A SEPARATE OFFENSE.





The leaves have of breakers are expense of a rather appears are present.

If you have any vijernation about they manthwised games in the United States, contact your local FBI or,

American Amusement 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 to 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."

CEPITOR & CONTROL

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 facticities 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 '85' are registered trademarks of Memetron Inc., 1985.

MOTICE

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.

	486 888 907 6 5	Decided
[]	CPU Board	(1)
	Joystick(s)	(S2,T1)
Ð	Control-panel overlay	(1)
[]	Marquee overlay	(1)
IJ	Side Graphics	(2)
[]	Wiring harness	(1)
[]	Instructions	(1)
Ð	Play instructions	(1)
D,	FCC sticker	(1)
	Misc. control strickers	(NA)
I)	Mounting screws	(4)
B	Drilling template	(1)
U	Joystick star	(S2,T1)
IJ	Promotional sticker	(1)
[]	PCB Mounting blocks	(4) -
T	මෙඳව ඒවල දිබ්මමයායිදි ජ	(50m1)3 0
[]	Electric screwdriver	
1	Wire Cutters	
Π	Electric drill	
[]	Soldering iorn & solder	
[]	Pliers	
	Phillips screwdriver	100
•••	Hez driver	
	180-grit sandpaper (sander)	
	Navy blue, semi-gloss later paint	
13	Grease pencil or marker	

After the control panel is securety 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.

MOTICE

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

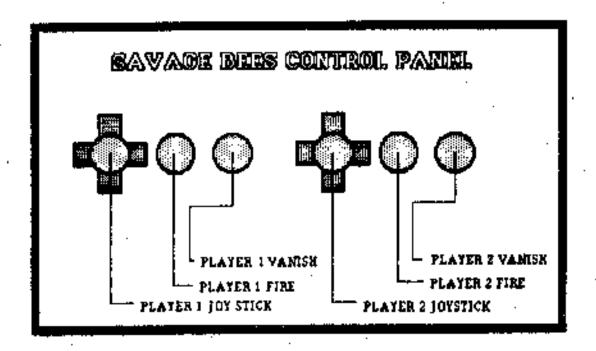
Refer to the control panel template for control layout suggestions.

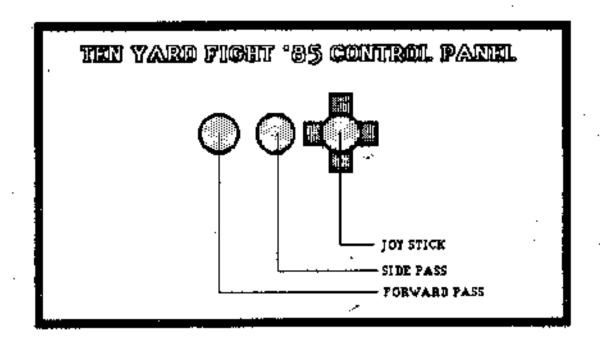
If the control panel that you are going to use is wood and is too thick for use with the enclosed button holders, than remove the switches from the holders and shim them with spacers.

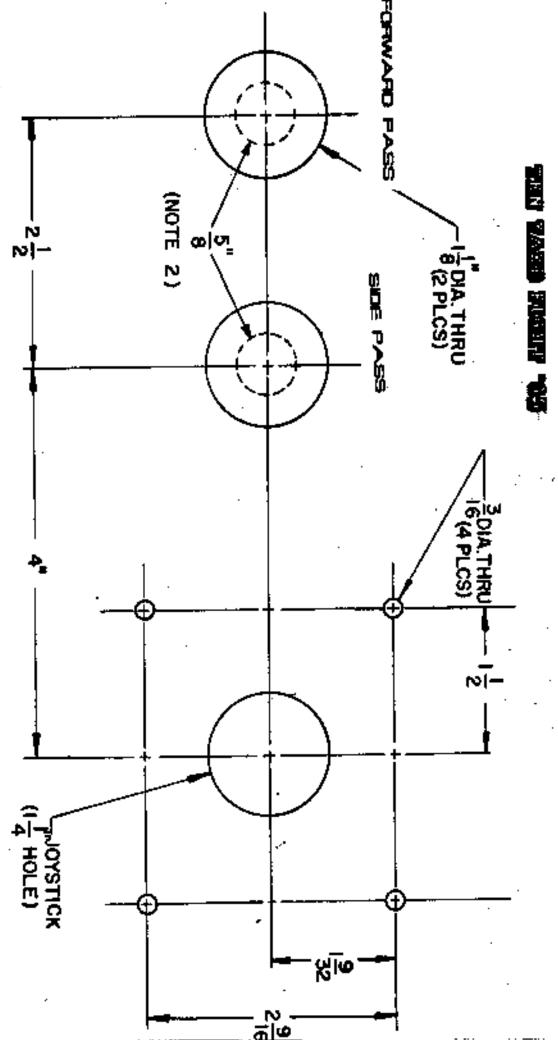
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- [] Disconnect the old wiring harness from the CPU board. Using the schematic drawings from your old game, carefully note the function of each wire. Label the wires if this helps.
- [] Carefully remove all circutboards and the metal circutboard panel 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







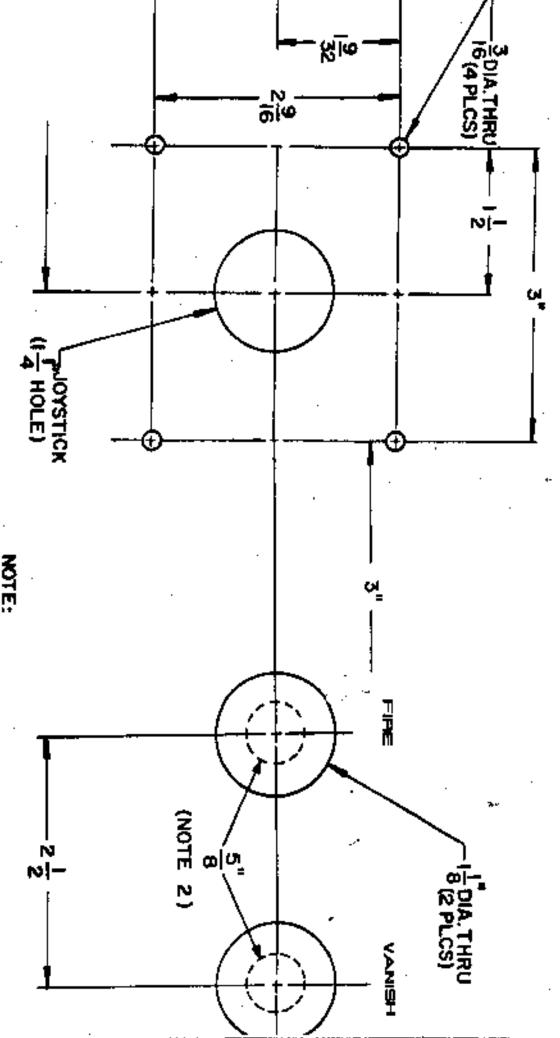
NOTE

- I. THESE DIMENSIONS ARE TO SCALE AND REFER TO METAL CONTROL PANELS.

 2. FOR WOOD CONTROL PANELS, DRILL 5/8"
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 HOLE COMPLETELY THROUGH. THEN DRILL
 1-1/8" HOLE TO 5/16" DEPTH.

CONTROL PLATE

See Educate



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MAIN HARNESS

10-YARD FIGHT KIT CONVERSION

GA.	FUNCTION	WIRE / COLOR	P	IN	WIRE / COLOR	FUNCTION	ĢA.
18	GND	GRN	A	ì	● GRN	GND	`18
1 B	GND	GRN	₿	2		GND N/C	
:	J		c	3			
			D	4	BLK WHT	LEFT COIN CNTR.	22
	20 lett	arey	Ĕ	5	BRN	JOYSTICK LEFT	22
	2 1 Fish	white	F	6	BRN WHT	JOYSTICK RIGHT	2 2
	20 Side DASS	Blue	Ŧ	7	BLK	SIDE PASS	2 2
22	1 PLAYER	GRY	1	8	ORG WHT	2 PLAYER	2 2
22	RIGHT COIN CNTR.	BLU RED	K	9			
2 2	NEG. SYNC	THW	_	10	BLU WHT	COIN SW. RIGHT	2 2
1.8	+13	YEL RED	M	11	YEL RED	+ 12	1.6
			ź	12			
2 2	AUDIO +	WHT RED	P	13	VIO	AUDIO	2 2
2.	P For PASS	rad .	R	14	WHT BLU	FORWARD PASS	2 2
2 2	VIDEO GREEN	GREEN	\$.	15.	RED	VIDEO RED	22
•			T	16	BLVE	VIDEO BLUE	2 2
	2 pl pg dru	لعيهم	U	17	Orange.	ارد نوستگاه د	
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	Z	22	GRN	GND	

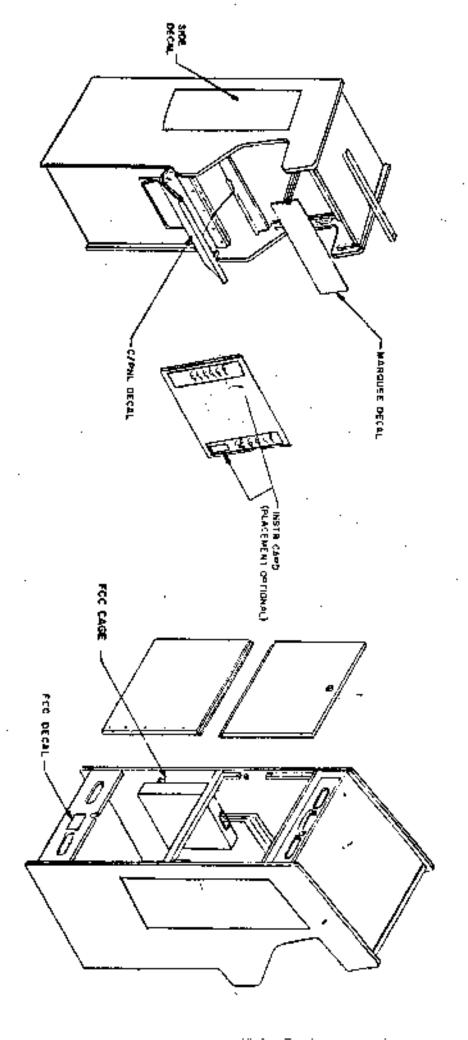
COMPONENT SIDE

SAVAGE BEES KIT MAIN CABLE

									_	
GA.	COLOR	FUNC	TION		AId	₽IN	FUNC	TION	COLOR	GA.
18	GRN	GNI	p		Α	,	■ GND		GRN	18
18	GRN	GND		8	2	GND		GRN	18	
18	RED	+5			Ç	3	1	-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	MC		F	6	VID	EO	BLUE	22
18	GRN	GN	Đ		Н	7	ĞI	ND	GRN	18
		Hilling	Till I	$/\!\!/$	1	8		7/////		
22	ORG		SHOT	2	K	9	SHOT 2		ORG	22
22	YEL RED		SHOT	7	L	10	SHOT 1		YEL RED	22
22	GRY	2 PLAYER -	ŲP	1	м	11	UPI	-1 PLAYER	GRY	22
22	VIO		DOWN	1	N	12	DOWN 1		VIQ	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
1\$	GRN	GN	P		S	15	ĢN	ID	GRN	18
		2 PLA	YER STAR	T	Ţ	16	1 PLAYER S	TART	WHT RED	22
22	GRY WHT	SERV	ICE		C	17				
22	WHT BLU	COIN	2		٧	16	COIN	1	RED WHT	22
16	GRN	GN	D		w	19	GN	iD	GRN	ī8
	_				Х	20				
					Υ	21	1			
22	BLK	+12 CQ!	иффи		Z	22	+12 CQA	AMON	BLK	22
22	WHT	CNTR 2	<u></u>		а	23	CNTR	1	GRN	22
22	BLU	SPKR	_		ь	24	SPKR -	- <u> </u>	RED	22
18	YEL RED	+12			n	25	. +12	!	YEL RED	18
22	BRN	+12 G	ND		d	26	+12 G	ND	BRN	22
18	GRN	GNE)		E	27	, GN	D	GRN	10
18	GRN	GND)		f	28	GN	D	GRN	18

COMPONENT SIDE

DECAL LOCATIONS



"10-YARD FIGHT" DIP SWITCH ADJUSTMENTS

DIP SWITCH 1

6	PTIONS		SWITCHES	1	2	3	4	5	6	7	8
TI	MER		NORMAL			OFF	DFF				
S	SEED.		X 1.3	[ON	OFF	ł			
	ETWEEN		X 1.5	1		OFF	ON	}			
PI	_AY\$		X 1.8 .			ON	ON	i			
П		88	1 CDIN/1 PLAY					OFF	OFF		
ΙI	MODE 2 DIP SWITCH 2	2 COINS/1 PLAY	Ī		İ		ON	GFF			
ΙI		뒪	3 COINS/1 PLAY]		ļ		OFF	ON]	
ΙI		20	FREE PLAY	1				ON	DΝ		
ΙI	POSITION 3 ON	88	1 COIN/2 PLAYS	1						OFF	DFF
l 1	OH.	摄影	1 COIN/3 PLAYS	1						QN	OFF
ΙI		[⊟'	1 COIN/5 PLAYS	1						OFF	ON.
		SELECTOR B	1 COIN/6 PLAYS	1	AL WAYS					ON	ОЖ
COIN MODE (SEE	_		1 COIN/1 PLAY				O FF	OFF	OFF	OFF	
물			2 COINS/1 PLAY	1	OFF			QN.	ØFF	ĎFF	DFF
[8]	MODE 1		3 COINS/1 PLAY	ļ				OFF	DN	OFF	OFF
12	DIP SWITCH 2		4 COINS/1 PLAY	1				ON	ON	OFF	OFF
I III	POSTION 3		5 COINS/1 PLAY	}				DFF	OFF	ON	OFF
NOTE	DFF		6 COINS/1 PLAY	1				ON	OFF	O₩	OFF
[교			1 COIN/2 PLAYS	1				OFF	OFF	ÓFF	ON
			1 COIN/3 PLAYS	1				0#	OFF	OFF	ON
			1 COIN/4 PLAYS	1				OFF	QN i	QFF.	QΝ
			1 COJN/5 PLAYS	1				ON	ON	OFF	ON
] [1 CQIN/6 PLAYS	1.				OFF	OFF	ON	ON
			FREE PLAY	1				ÓN ·	ON	ON	ÓN
	CONTINUED PL	A.V.	YES	ON]						
ΙÍ	COMMINDED PL	wi .	· NO	OFF	1	[

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

OPTIONS	S	NITCHES 1	2	3	4	5	6	7	a
	PLAYER 2	QF	F						
SCREEN INVERSION	PLAYER 1	or	,						
CABINET TYPE	ĪΤ		OFF	L] []			
CAPINELLINE	UPRIGHT		ON].	<u> </u>			
COIN MODE	MODE 1		Щ.	OFF.	AL-	AL-	L		
GOIN MOOL	MODE 2			ON	WAYS		WAYS		<u> </u>
COCCEC DISTURE	NORMAL				OFF	OFF	OFF		<u> </u>
FREEZE PICTURE	FREEZE		_	ļ]	ON			Ŀ
HIT MODE	NORMAL]			OFF	ļ
	NO HIT				1			ON.	
TEST MOD€	NORMAL			<u> </u>					OFF
	TEST			}	[ON

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

ITEM	DESCRIPTION	1	2	3	4	5	6	7	а
TEST	HORMAL TEST	OFF ON					I	•	
PORTBALT STOP	NORMAL STOP		OFF.	•					
JAPAK	JAPANESE LANGUAGE			OFF					
FOREIGN	RMGLISH LANGUAGE		,	ON					
1P/2P	1P/1 COIN, 2P/2 COINS	-			OFF				
PLAY FEE	CONNON FEE		. ;		ON.				
NUNBER	3					OFF	OF 7		
of Player	1	i].	OFF	ON.		
	2 5					ON	OFF ON		
BONUS	50T-100T-250T-500T-750T							OFF	071
PLAYER	100T-250T-500T-750T-1000T							off	ON
<u>. </u>	1007-2501-5001-1000T-2000T _2001-500T-1000T-2000T							DN	OFF
DIP S¥ B		<u> </u>							I
DIP SW B	2007-500T-1600T-2000T	1	2	3	4	5	6		I
ITEM DEMO	2007-500T-1000T-2000T T= THOUSAND	1 OFF	2	3	4	5	6	LOW	LON
ITEN DEMO SOUND	ZDOT-SOOT-1000T-2000T T= THOUSAND DESCRIPTION WITH SOUND	OFF	2 OFF	3	4	5	6	LOW	CN
ITEM DEMO SOUND CONTIBUE	ZOOT-SOOT-1000T-2000T T= THOUSAND DESCRIPTION WITH SOUND WITHOUT SOUND	OFF		3	4	5	6	LOW	CN
ITEM DEMO SOUND CONTIBUE MODE	ZOOT-SOOT-1000T-2000T T= THOUSAND DESCRIPTION WITH SOUND WITHOUT SOUND CONTINUE	OFF	OFF	OFF		OFF	6	LOW	CN
ITEM DEMO SOUND CONTIBUE MODE	ZOOT-SOOT-1000T-2000T T= THOUSAND DESCRIPTION WITH SOUND WITHOUT SOUND CONTINUE DISCONTINUE 1 CREDIT - 1 COIN 2 CREDIT - 1 COIN	OFF	OFF	OFF OFF	OFF	OFF	6	LOW	LON
ITEM DEMO SOUND CONTIBUE MODE	ZOOT-SOOT-1000T-2000T T= THOUSAND DESCRIPTION WITH SOUND WITHOUT SOUND CONTINUE DISCONTINUE 1 CREDIT - 1 COIN 2 CREDIT - 1 COIN 3 CREDIT - 1 COIN	OFF	OFF	OFF OFF OFF	OFF ON	OFF ON OFF	6	LOW	<u> </u>
ITEM DEMO SOUND	ZOOT-SOOT-1000T-2000T T= THOUSAND DESCRIPTION WITH SOUND WITHOUT SOUND CONTINUE DISCONTINUE 1 CREDIT - 1 COIN 2 CREDIT - 1 COIN 3 CREDIT - 1 COIN 4 CREDIT - 1 COIN	OFF	OFF	OFF OFF OFF	OFF	OFF	6	LOW	CONT
ITEM DEMO SOUND CONTIBUT MODE	ZOOT-SOOT-1000T-2000T T= THOUSAND DESCRIPTION WITH SOUND WITHOUT SOUND CONTINUE DISCONTINUE 1 CREDIT - 1 COIN 2 CREDIT - 1 COIN 3 CREDIT - 1 COIN	OFF	OFF	OFF OFF OFF	OFF OFF ON	OFF ON OFF ON	6	LOW	CONT
ITEM DEMO SOUND CONTIBUE MODE	ZOOT-SOOT-1000T-2000T T= THOUSAND DESCRIPTION WITH SOUND WITHOUT SOUND CONTINUE DISCONTINUE 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 - 2 COINS 1 CREDIT - 3 COINS	OFF	OFF	OFF OFF OFF ON ON	OFF OFF ON ON OFF OFF	OFF ON OFF ON OFF	6	LOW	CN
ITEM DEMO SOUND CONTINUE	ZOOT-SOOT-1000T-2000T T= THOUSAND DESCRIPTION WITH SOUND WITHOUT SOUND CONTINUE DISCONTINUE 1 CREDIT - 1 COIN 2 CREDIT - 1 COIN 3 CREDIT - 1 COIN 4 CREDIT - 1 COIN 5 CREDIT - 1 COIN 1 CREDIT - 2 COIN 1 CREDIT - 2 COINS	OFF	OFF	OFF OFF OFF OH ON	OFF OFF ON ON OFF	OFF ON OFF ON OFF ON	6	LOW	CN
ITEM DEMO SOUND CONTIBUE MODE	ZOOT-SOOT-1000T-2000T T= THOUSAND DESCRIPTION WITH SOUND WITHOUT SOUND CONTINUE DISCONTINUE 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 - 2 COINS 1 CREDIT - 3 COINS	OFF	OFF	OFF OFF OFF ON ON	OFF OFF ON ON OFF OFF	OFF ON OFF ON OFF	SAME 3,4,6	7	CONT

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.

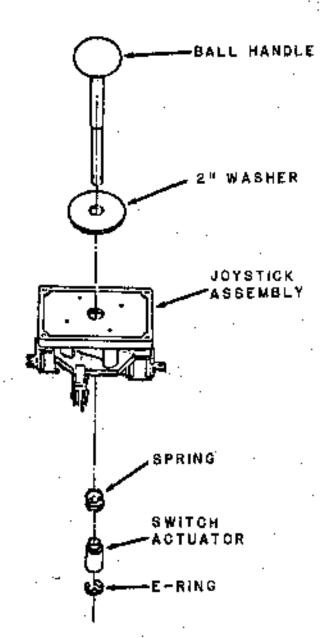


FIGURE 1



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

COMPANY NAM	Œ		
YOUR NAME			-
ADDRESS	-		
· ·	···		
PHONE ()		
KIT NAME	<u>-</u>	PCB SERIAL*	

NOTICE: PLEASE DO NOT USE POST OFFICE BOX NUMBERS

THANK YOU!

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

UNDER EXCLUSIVE LICENSE TO MEMETRON INC. FROM IREM INC.

VS 10 YARD FIGHT AMENDMENT WIRING

GA.	FUNCTION	WIRE / COLOR	P	IN	WIRE / COLOR	FUNCTION	GA.
18	GND	GRN	1	IA	O GRN	GND	18
1.8	GND	GRN	2	B		GND N/C	134
0			3	C			
	10000000000000000000000000000000000000	mar ille	14	D	BLK WHT	LEFT.COIN CHTR.	22
	* 2 PLAYER LT	人 :	5	E	BRN	JOYSTICK LEFT	22
TA.	* 2 PLAYER RT	くく	16	F	BRN WHT	JOYSTICK RIGHT	22
	* 2 PL SIDE PASS		7	H	BLK	SIDE PASS	22
22	1 PLAYER	GRY	8	1	ORG WHT	2 PLAYER	22
,2 2	RIGHT COIN CHTR.	BLU RED	9	K	13 B P 2 北海路		
22	NEG. SYNC	WHT	10	L	BLU WHT	COIN SW. RIGHT	22
18	+12	YEL RED	11	M	YEL RED	+12	18
-			12	N	. (9)		
22	AUDIO +	WHT RED	13	P	VIO .	AUDIO -	22
1033	* 2 PL FOR PASS		14	R	WHT BLU	FORWARD PASS	22
22	VIDEO GREEN	GREEN	15	5	RED	VIDEO RED	22
	A STATE OF THE STATE OF	新工程 机员 Y TE	16	I	BLUE	VIDEO BLUE	22
	* 2 PLAYER DN	建筑	17	U		* 2 PLAYER UP	
22	JOYSTICK DOWN	GRY WHT	18	V	ORG	JOYSTICK UP	22
22	COIN SW. LEFT	RED WHT	19	W	YEL RED .	SERVICE SW.	22
18	+5	RED	20	X	REQ	+5	18
1441			21	Y	**		
18	GND	GRN	22	Z	GRN	GND	18

COMPONENT SIDE

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