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ROMSTAR™ Inc.
Bloody Wolf™

ROMSTAR™ Inc.
DEDICATED / UNIVERSAL KIT
(Horizontal 2 Player, 2 Joystick, 3 Button Game)



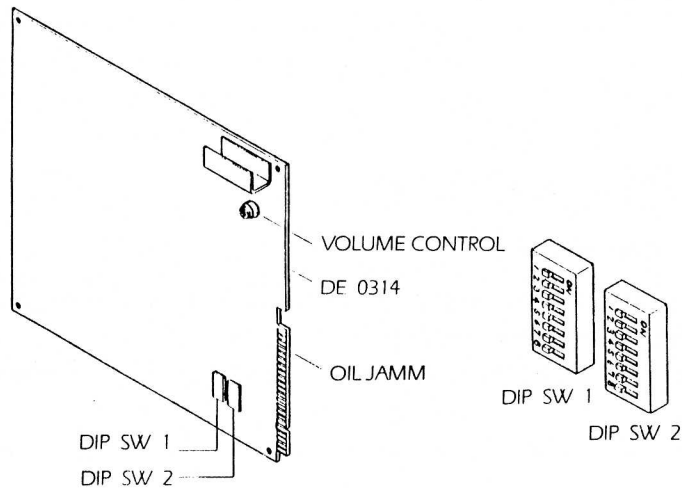
INSTRUCTION MANUAL

56 PIN EDGE CONN. PIN-OUT CHART (JAMMA COMPATIBLE)

WIRE COLOR	SOLDER SIDE		PARTS SIDE		WIRE COLOR
BLACK	GND	A	1	GND	BLACK
BLACK	GND	B	2	GND	BLACK
RED	+5V	C	3	+5V	RED
RED	+5V	D	4	+5V	RED
WHITE	-5V	E	5	-5V	WHITE
YELLOW/ YELLOW	+12V	F	6	+12V	YELLOW/ YELLOW
	KEY	H	7	KEY	
	COIN COUNTER 2	J	8	COIN COUNTER 1	BROWN
	COIN LOCK OUT 2	K	9	COIN LOCK OUT 1	RED
WHITE/BLACK	SP (-)	L	10	SP(+)	WHITE
OP.-BLU/BLACK	N.C.	M	11	N.C.	BLUE-OPTION
GREEN	VIDEO GREEN	N	12	VIDEO RED	RED
GRAY	VIDEO SYNC	P	13	VIDEO BLUE	BLUE
RED/BLACK	SERVICE SWITCH	R	14	VIDEO GND	BLACK
OP.-BRN/BLACK	TILT SW.	S	15	TEST SW.	BROWN
	COIN SW. 2	T	16	COIN SW. 1	WHITE
WHITE/GRAY	START SW. 2	U	17	START SW. 1	GRAY
WHITE/VIOLET	2P UP	V	18	1P UP	VIOLET
WHITE/BLUE	2P DOWN	W	19	1P DOWN	BLUE
WHITE/GREEN	2P LEFT	X	20	1P LEFT	GREEN
WHITE/YELLOW	2P RIGHT	Y	21	1P RIGHT	YELLOW
WHITE/ORANGE	2P PUSH 1	Z	2@	1P PUSH 1	ORANGE
WHITE/RED	2P PUSH 2	a	23	1P PUSH 2	RED
WHITE/BROWN	2P PUSH 3	b	24	1P PUSH 3	BROWN
GREEN/WHITE	N.C.	c	25	N.C.	BLUE/WHITE
YELLOW/WHITE	N.C.	d	26	N.C.	RED/WHITE
BLACK	GND	e	27	GND	BLACK
OPTION-BLACK	GND	f	28	GND	BLACK-OPTION

DIP SWITCH 1					
NO.	SETTING				REMARKS
1	OFF	ON	OFF	ON	COIN/CREDIT COIN-MECH (RIGHT)
2	OFF	OFF	ON	ON	
	1 COIN 1 PLAY	1 2	2 1	3 1	
3	OFF	ON	OFF	ON	COIN/CREDIT COIN-MECH (LEFT)
4	OFF	OFF	ON	ON	
	1 COIN 1 PLAY	1 2	2 1	3 1	
5	OFF				DON'T CHANGE
6	OFF		ON		SOUND IN ATTRACT MODE
	YES		NIL		
7	OFF				DON'T CHANGE
8	OFF				

DIP SWITCH 2					
NO.	SETTING				REMARKS
1	OFF	ON	OFF	ON	NUMBER OF LIVES (GAGE)
2	OFF	OFF	ON	ON	
	3	2	1	00	
3	OFF	ON	OFF	ON	DIFFICULTY SETTING
4	OFF	OFF	ON	ON	
	NORMAL	EASY	HARD	HARDER	
5	OFF		ON		BUY-IN MODE (CONTINUE MODE)
	YES		NO		
6	OFF				DONT CHANGE
7	OFF				
8	OFF				



2. Horizontal Tearing

CAUSE: The negative sync signal of most logic sets are slightly different than the GO7-CBO monitor negative sync inputs. The result of this mismatch is a horizontal "wave" or "curl".

CURE 1: On the monitor deflection board, replace C303 with a 10uf 25V radial lead capacitor with the positive lead towards the collector of X305. (CAUTION: be sure to check this step as the original cap is not polarized.) Then replace C501 with the cap removed from the C303 location.

CURE 2: Connect 1N4148 fast-switching diodes across both the positive and negative sync inputs to the monitor. (See Fig. 4) **NOTE:** Both diodes must be installed or you will not have vertical stability.

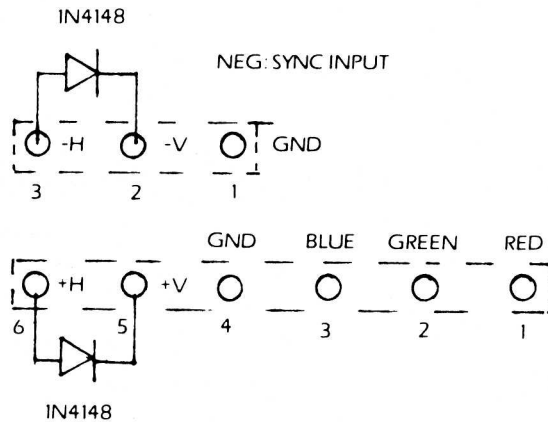


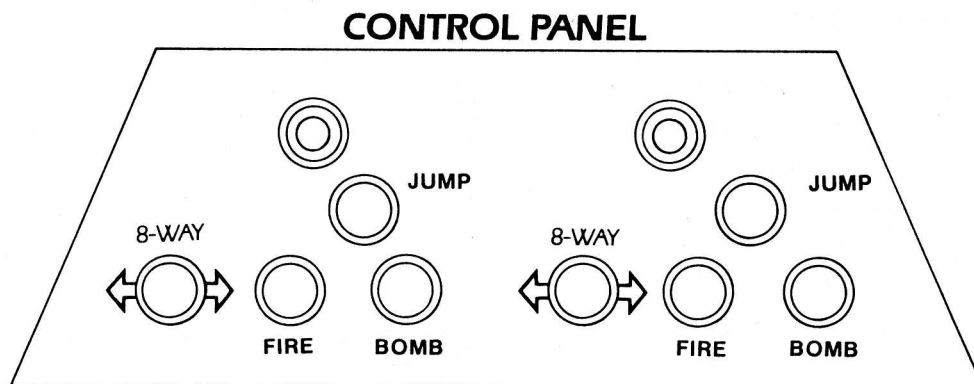
FIG. 4

CURE 3: Join negative sync inputs J2 and J3 together with a jumper. Locate W102 and install a jumper from W102 to either J2 or J3.

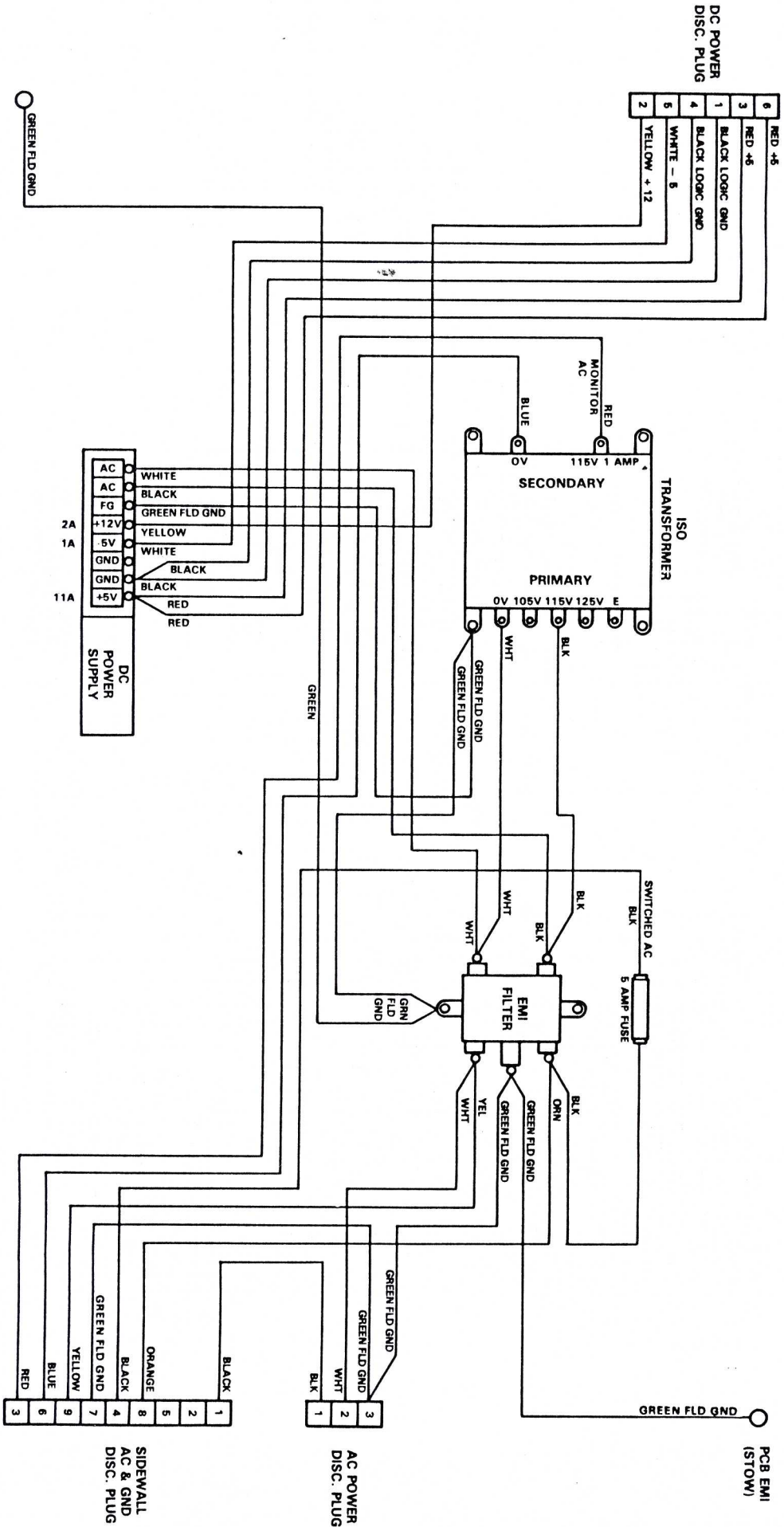
CURE 3: For Wells-Gardner K4600 series monitors

Replace C356 (4.7uf 25V) on the Horizontal/vertical board (vertically mounted board nearest the flyback transformer) and center the horizontal hold pot. Turn L351 for the best horizontal stability and fine-tune with the horizontal width pot.

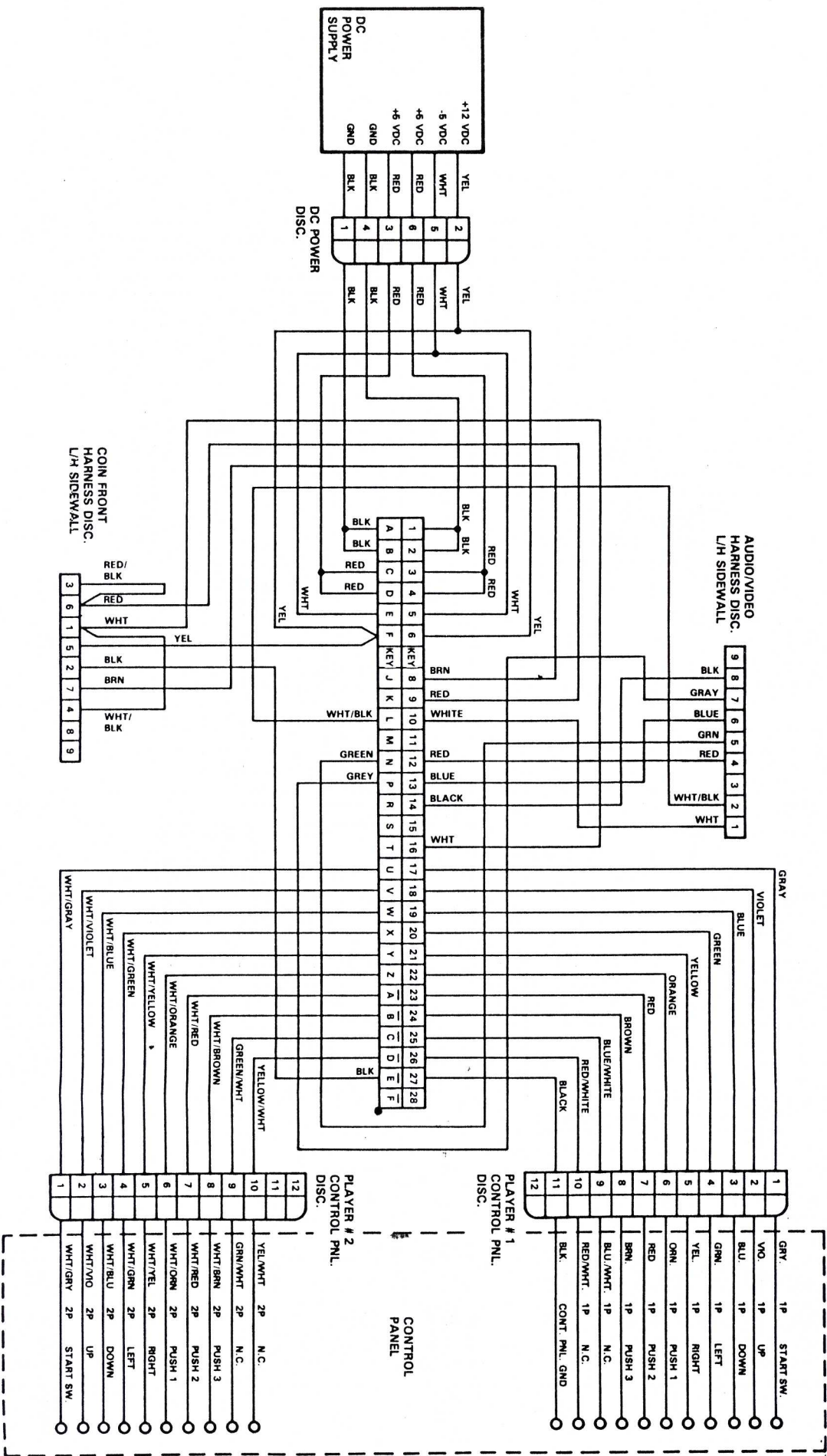
Control Panel Positioning



POWER SUPPLY — WIRING DIAGRAM



MAIN HARNESS WIRING DIAGRAM



ROMSTAR JAMMA HARNNESS
VERSIONS 1 - 4

PLEASE REFER TO MAIN HARNNESS
PIN-OUT FOR PINS Z, a, b, 22, 23, & 24.

JAMMA GE.BK

Wire Color	Solder Side	Parts Side	Wire Color
Black	Ground	Ground	Black
Black	Ground	Ground	Black
Red	+5VDC	+5VDC	Red
Red	+5VDC	+5VDC	Red
Yellow	+12VDC	+12VDC	Yellow
	Post	Post	
Red	Coin Counter 2	Coin Counter 1	Violet
	Coin Lockout	Coin Lockout	
Black	Speaker (-)	Speaker (+)	Gray
	N/A	N/A	
Green	Video Green	Video Red	Red
White	Video Sync (Comp/Neg)	Video Blue	Blue
Pink	Service Switch	Video Ground	Black
Yellow	Tilt Switch	Test Switch	Blue
Orange	Coin 2	Coin 1	Tan
Gray	2P Start	1P Start	Brown
Green	2P Up	1P Up	Green
Blue	2P Down	1P Down	Blue
Violet	2P Left	1P Left	Violet
Yellow	2P Right	1P Right	Yellow
Red			Red
Orange			Orange
	N/A	N/A	
	N/A	N/A	
Black	Ground	Ground	Black
Black	Ground	Ground	Black

Wire color / Stripe color

NOTE: Please refer to manual harness pinout for pins

JAMMA CA.BLU

Wire Color	Solder Side	Parts Side	Wire Color
Black	Ground	Ground	Black
Black	Ground	Ground	Black
Red	+5VDC	+5VDC	Red
Red	+5VDC	+5VDC	Red
White			White
Yellow	+12VDC	+12VDC	Yellow
	Post	Post	
Brown	Coin Counter 2	Coin Counter 1	Brown
Red	Coin Lockout	Coin Lockout	Red
Black	Speaker (-)	Speaker (+)	White
Blue	N/A	N/A	Blue
Green	Video Green	Video Red	Red
Gray	Video Sync (Comp/Neg)	Video Blue	Blue
Red	N/A	Video Ground	Black
Brown	N/A	N/A	Brown
White	SRVC Switch	Coin	White
Gray	2P Start	1P Start	Gray
Violet	2P Up	1P Up	Violet
Blue	2P Down	1P Down	Blue
Green	2P Left	1P Left	Green
Yellow	2P Right	1P Right	Yellow
Orange			Orange
Red			Red
Brown			Brown
Blue	N/A	N/A	Blue
Blue	N/A	N/A	Blue
Black	Ground	Ground	Black
Black	Ground	Ground	Black

Wire color/Stripe color

JAMMA DA.BK

Wire Color	Solder Side	A	1	Parts Side	Wire Color
Black	Ground	A	1	Ground	Black
Black	Ground	B	2	Ground	Black
Red	+5VDC	C	3	+5VDC	Red
Red	+5VDC	D	4	+5VDC	Red
White	-5VDC	E	5	-5VDC	White
Yellow	+12VDC	F	6	+12VDC	Yellow
	Post	H	7	Post	
Brown/White	Coin Counter 2	J	8	Coin Counter 1	Bm/Whit
Red/Black	Coin Lockout	K	9	Coin Lockout	Red/Blk
White/Black	Speaker (-)	L	10	Speaker (+)	White
		M	11		
Green	Video Green	N	12	Video Red	Red
Gray	Video Sync (Comp/Reg)	P	13	Video Blue	Blue
Red/Blk	Service Switch	R	14	Video Ground	Black
	Tilt Switch	S	15	Test Switch	Brown
Whit/Blk	Coin 2	T	16	Coin 1	White
Whit/Gry	2P Start	U	17	IP Start	Gray
Whit/Vio	2P Up	V	18	IP Up	Violet
Whit/Blu	2P Down	W	19	IP Down	Blue
Whit/Gm	2P Left	X	20	IP Left	Violet
Whit/Yel	2P Right	Y	21	IP Right	Yellow
Whit/Ora		Z	22		Orange
Whit/Red		a	23		Red
Whit/Bm		b	24		Brown
Gm/Whit		c	25		Blu/Whit
Yel/Whit		d	26		Red/Whit
Black	Ground	e	27	Ground	Black
Black	Ground	f	28	Ground	Black

Wire color / Stripe color

NOTE: Please refer to manual harness pinout for pins

JAMMA SK.GR

Wire Color	Solder Side	A	1	Parts Side	Wire Color
Black	Ground	A	1	Ground	Black
Black	Ground	B	2	Ground	Black
Red	+5VDC	C	3	+5VDC	Red
Red	+5VDC	D	4	+5VDC	Red
Green	-5VDC	E	5	-5VDC	Green
Yellow	+12VDC	F	6	+12VDC	Yellow
	Post	H	7	Post	
	Coin Counter 2	J	8	Coin Counter 1	Brown
	Coin Lockout	K	9	Coin Lockout	
White	Speaker (-)	L	10	Speaker (+)	White
	Ground	M	11	Audio	
Light Green	Video Green	N	12	Video Red	Pink
Gray/White	Video Sync (Comp/Reg)	P	13	Video Blue	Sky Blue
Violet	Service Switch	R	14	Video Ground	Black
Gray	N/A	S	15	N/A	Orange
	Coin 2	T	16	Coin	Violet/White
Whit/Blk	2P Start	U	17	IP Start	Black/White
Brown/Black	2P Up	V	18	IP Up	Brown/White
Red/Blk	2P Down	W	19	IP Down	Red/White
Orange/Black	2P Left	X	20	IP Left	Orange/White
Yellow/Black	2P Right	Y	21	IP Right	Yellow/White
Green/Black		Z	22		Green/White
Blue/Black		a	23		Blue/White
		b	24		
	N/A	c	25	N/A	
	N/A	d	26	N/A	
Black	Ground	e	27	Ground	Black
Black	Ground	f	28	Ground	Black

Wire color/Stripe color