



DIP SWITCH SETTINGS AND JUMPERS

EPROM Jumper Settings for G11	W1	W2
1MEG, 2MEG, 4 MEG EPROM	In	Out

Dip Switch Chart

Country	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
America	Off	Off	On	On	On	On	On	On
European	Off	Off	On	On	On	Off	On	On
French	Off	Off	On	On	On	On	Off	Off
German	Off	Off	On	On	On	On	On	Off
Spain	Off	Off	On	On	Off	On	On	On

SOLENOID/FLASHER TABLE

Sol. No.	Function	Solenoid Type	Voltage Connections		Drive Xister	Drive Connections		Drive Wire Color	Solenoid Part number Flashlamp Type		
			Playfield	Backbox Cabinet		Playfield	Backbox Cabinet		PLYFLD	BB	CAB
01	Not Used	High Power			Q72			Vio-Brn			
02	Not Used	High Power			Q68			Vio-Red			
03	Not Used	High Power			Q71			Vio-Org			
04	Not Used	High Power			Q67			Vio-Yel			
05	Not Used	High Power			Q70			Vio-Grn			
06	Not Used	High Power			Q66			Vio-Blu			
07	Not Used	High Power			Q69			Vio-Blk			
08	Not Used	High Power			Q65			Vio-Gry			
09	KICKER	Low Power	J133-3		Q44	J113-1		Brn-Blk	AE-26-1500		
10	LEFT POST FLASHER	Low Power	J133-6		Q48	J113-3		Brn-Red	#89		
11	RIGHT POST FLASHER	Low Power	J133-6		Q43	J113-4		Brn-Org	#89		
12	INSERT 1 FLASHER	Low Power		J134-5	Q47		J115-5	Brn-Yel		#906	
13	INSERT 2 FLASHER	Low Power		J134-5	Q42		J114-1	Brn-Grn		#906	
14	INSERT 3 FLASHER	Low Power		J134-5	Q46		J114-2	Brn-Blu		#906	
15	INSERT 4 FLASHER	Low Power		J134-5	Q41		J114-3	Brn-Vio		#906	
16	Not Used	Low Power			Q45			Brn-Gry			
17	LEFT FLASHER	Flasher	J133-6		Q28	J111-1		Blk-Brn	#89		
18	RIGHT FLASHER	Flasher	J133-6		Q32	J111-2		Blk-Red	#89		
19	LEFT SLING FLASHER	Flasher	J133-6		Q27	J111-3		Blk-Org	#89		
20	LEFT RETURN FLASHER	Flasher	J133-6		Q31	J111-4		Blk-Yel	#89		
21	BACK PANEL 1 FLASHER	Gen. Purpose	J133-6		Q26	J111-5		Blu-Grn	#906		
22	BACK PANEL 2 FLASHER	Gen. Purpose	J133-6		Q30	J111-6		Blu-Blk	#906		
23	BACK PANEL 3 FLASHER	Gen. Purpose	J133-6		Q25	J111-7		Blu-Vio	#906		
24	TICKET METER	Gen. Purpose		J138-2	Q29		J109-9	Blu-Gry			A-14206
25	TICKET MOTOR	Gen. Purpose		J138-2	Q16		J108-1	Blu-Brn			20-9940
26	TICKET LAMP	Gen. Purpose		J138-2	Q15		J108-2	Blu-Red			20-9679
27	RIGHT SLING FLASHER	Gen. Purpose	J133-6		Q14	J112-3		Blu-Org	#89		
28	RIGHT RETURN FLASHER	Gen. Purpose	J133-6		Q13	J112-4		Blu-Yel	#89		

General Illumination

01	INSERT TOP	G.I.	J106-1		Q5		J106-7	Wht-Brn		#555	
02	INSERT MIDDLE	G.I.	J106-2		Q4		J106-8	Wht-Org		#555	
03	INSERT BOTTOM	G.I.	J106-3		Q3		J106-9	Wht-Yel		#555	
04	** NOT USED	G.I.						Wht-Grn			
05	** COIN DOOR	G.I.		J104-3			J104-1	Wht-Vio			#555

Flipper Circuits

	Function	Voltage Connections	Drive Transistors		Drive Connectors	Drive Wire Colors		Coil Part No.	Coil Color
			Power	Hold		Power	Hold		
29	LOWER RIGHT FLIPPER	Lwr. Rt. Power	J119-1 (Red-Grn)	Q90	J120-13	Yel-Grn		FL-11630	RED
30		Lwr. Rt. Hold		Q92	J120-11	Org-Grn			
31	LOWER LEFT FLIPPER	Lwr. Lt. Power	J119-4 (Red-Blu)	Q87	J120-9	Yel-Blu		FL-11630	RED
32		Lwr. Lt. Hold		Q89	J120-7	Org-Blu			
33	RIGHT POST	Upr. Rt. Power	J119-6 (Red-Vio)	Q84	J120-6	Yel-Vio		A-14701	
34		Upr. Rt. Hold		Q86	J120-4	Org-Vio			
35	LEFT POST	Upr. Lt. Power	J119-8 (Red-Gry)	Q81	J120-3	Yel-Gry		A-14701	
36		Upr. Lt. Hold		Q83	J120-1	Org-Gry			

J1xx = Power Driver Board;

**These G.I. strings do not brighten and dim, they are always ON.

24-6549= #44 bulb; 24-8704= #89 bulb;

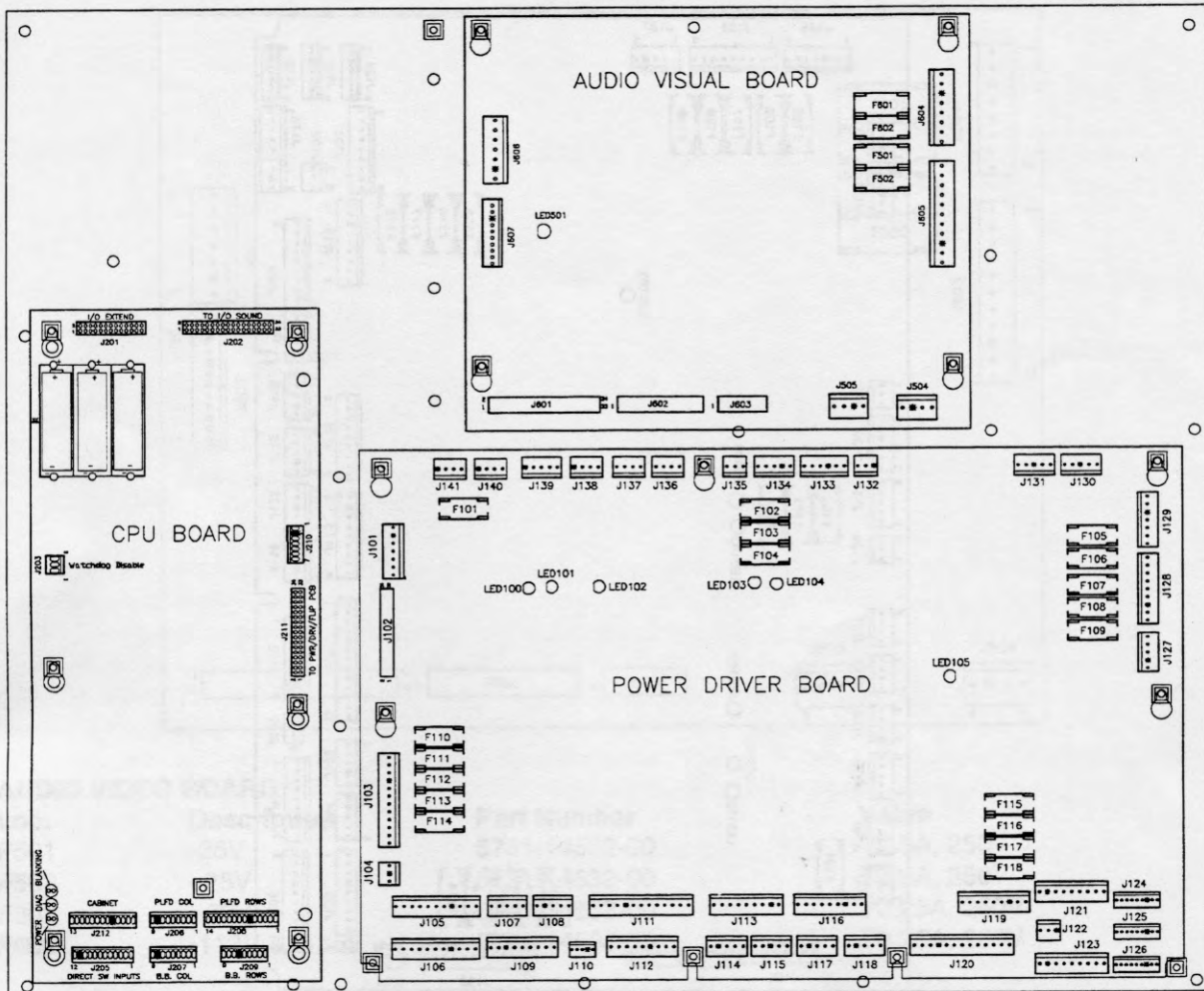
24-8768=#555 bulb; 24-8802=#906 bulb

90005-BB

Backbox Assembly

			Backbox Ribbons:		
Item	Part Number	Description	Item	Part Number	Description
1	A-13379	Lock & Plate Assembly	10	5795-10938-15	Ribbon Cable 26-pin 15"
2	A-21007	WPC '95 Mounting Plate	11	5795-12653-03	Ribbon Cable 34-pin 3"
3	A-20028	WPC '95 Power Driver PCB Assy.	12	5795-12653-12	Ribbon Cable 34-pin 12"
4	A-20119-90005	WPC '95 CPU PCB Assembly	13	5795-12838-25	Ribbon Cable 14-pin 25"
5	A-20516-90005	WPC '95 Audio Visual PCB Assy.			
6	A-20960	Speaker/Display Insert Assembly	Backbox Cables:		
7	01-6645	Screen Vent		H-20477	Logic Power Cable
8	01-8397	Trunk Latch Bracket		H-20479	Dot Matrix Power Cable
9	04-10379.1	Backbox		H-20938	Insert/Interface Cable
				H-20940	Speaker Panel Cable
				H-20946	Insert Ground Cable

LED LIST



CPU BOARD

LED 201	Blanking
LED 202	Power
LED 203	Diagnostics

At game turn-on, LED 201 and LED 202 are on, LED 203 is off. During normal operation LED 201 is off, LED 202 is on, and LED 203 is flashing.

AUDIO VISUAL BOARD

LED 501	+5VDC, Normally Flashing at a slower rate than LED 203.
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POWER DRIVER BOARD

LED 100	+12VDC Regulated, Normally On
LED 101	+5VDC Digital, Normally On
LED 102	+18VDC Lamps, Normally On
LED 103	+12VDC Unregulated, Normally On
LED 104	+20VDC Flashlamps, Normally On
LED 105	+50VDC Coils, Normally On

LAMP MATRIX

Yellow (B+) Red

Column \ Row	1 Yellow-Brown J121-1 Q96	2 Yellow-Red J121-2 Q100	3 Yellow-Orange J121-3 Q95	4 Yellow-Black J121-4 Q99	5 Yellow-Green J121-5 Q94	6 Yellow-Blue J121-6 Q98	7 Yellow-Violet J121-7 Q93	8 Yellow-Gray J121-9 Q97
1 Red-Brown J125-1 Q104	HOLE "5" 11	NOT USED 21	GRID "8" 31	BACK PANEL 1 41	LEFT SLING UP 51	NOT USED 61	NOT USED 71	NOT USED 81
2 Red-Black J125-2 Q108	HOLE "6" 12	GRID "1" 22	GRID "9" 32	BACK PANEL 2 42	LEFT SLING LOW 52	NOT USED 62	NOT USED 72	NOT USED 82
3 Red-Orange J125-4 Q103	HOLE "7" 13	GRID "2" 23	LEFT POST 33	BACK PANEL 3 43	LEFT RETURN LEFT 53	NOT USED 63	NOT USED 73	NOT USED 83
4 Red-Yellow J125-5 Q107	HOLE "8" 14	GRID "3" 24	RIGHT POST 34	BACK PANEL 4 44	LEFT RETURN RIGHT 54	NOT USED 64	NOT USED 74	NOT USED 84
5 Red-Green J125-6 Q102	HOLE "9" 15	GRID "4" 25	HOLE "1" 35	BACK PANEL 5 45	RIGHT SLING UP 55	NOT USED 65	NOT USED 75	NOT USED 85
6 Red-Blue J125-7 Q106	NOT USED 16	GRID "5" 26	HOLE "2" 36	BACK PANEL 6 46	RIGHT SLING LOW 56	NOT USED 66	NOT USED 76	NOT USED 86
7 Red-Violet J125-8 Q101	NOT USED 17	GRID "6" 27	HOLE "3" 37	NOT USED 47	RIGHT RETURN RIGHT 57	NOT USED 67	NOT USED 77	NOT USED 87
8 Red-Gray J125-9 Q105	NOT USED 18	GRID "7" 28	HOLE "4" 38	NOT USED 48	RIGHT RETURN LEFT 58	NOT USED 68	NOT USED 78	START BUTTON 88

J1XX = Power Driver Board

SWITCH MATRIX

White Green

Dedicated Grounded Switches	Column \ Row	1 Green-Brown J206-1 U20-18	2 Green-Red J206-2 U20-17	3 Green-Orange J206-3 U20-16	4 Green-Yellow J206-4 U20-15	5 Green-Black J206-5 U20-14	6 Green-Blue J206-6 U20-13	7 Green-Violet J206-7 U20-12	8 Green-Gray J206-9 U20-11	Flipper Grounded Switches
Orange-Brown J205-1 U17-5 Left Coin Chute D1	1 White-Brown J208-1 U18-11	NOT USED 11	SLAM TILT 21	HOLE "9" 31	HOLE "4" 41	TICKET OPTO 51	NOT USED 61	NOT USED 71	NOT USED 81	Black-Green J208-13 Lower Right Flipper EOS F1
Orange-Red J205-2 U17-7 Center Coin Chute D2	2 White-Red J208-2 U18-9	NOT USED 12	COIN DOOR CLOSED 22	HOLE "8" 32	HOLE "3" 42	TICKETS LOW 52	NOT USED 62	NOT USED 72	NOT USED 82	Blue-Violet J212-12 Lower Right Flipper Opto F2
Orange-Black J205-3 U17-11 Right Coin Chute D3	3 White-Orange J208-3 U18-5	START BUTTON 13	NOT USED 23	HOLE "7" 33	HOLE "2" 43	TICKET TEST 53	NOT USED 63	NOT USED 73	NOT USED 83	Black-Blue J208-12 Lower Left Flipper EOS F3
Orange-Yellow J205-4 U17-9 4th Coin Chute D4	4 White-Yellow J208-4 U18-7	PLUMB BOB TILT 14	ALWAYS CLOSED 24	HOLE "6" 34	HOLE "1" 44	NOT USED 54	NOT USED 64	NOT USED 74	NOT USED 84	Blue-Gray J212-11 Lower Left Flipper Opto F4
Orange-Green J205-6 U16-9 Normal Function: Ser Credits Test Function: Esc D5	5 White-Green J208-5 U19-11	NOT USED 15	NOT USED 25	HOLE "5" 35	NOT USED 45	NOT USED 55	NOT USED 65	NOT USED 75	NOT USED 85	Black-Violet J208-11 Upper Right Flipper EOS F5 (NOT USED)
Orange-Blue J205-7 U16-11 Normal Function: Vol Down Test Function: Down D6	6 White-Blue J208-7 U19-9	RIGHT SLING 16	LEFT POST 26	KICKER OPTO 36	NOT USED 46	NOT USED 56	NOT USED 66	NOT USED 76	NOT USED 86	Black-Yellow J212-10 Upper Right Flipper Opto F6
Orange-Violet J205-8 U16-7 Normal Function: Vol Up Test Function: Up D7	7 White-Violet J208-8 U19-5	RIGHT POST 17	LEFT SLING 27	NOT USED 37	NOT USED 47	NOT USED 57	NOT USED 67	NOT USED 77	NOT USED 87	Black-Gray J208-10 Lower Left Flipper EOS F7 (NOT USED)
Orange-Gray J205-9 U16-5 Normal Function: Begin Test Test Function: Enter D8	8 White-Gray J208-9 U19-7	NOT USED 18	NOT USED 28	NOT USED 38	NOT USED 48	NOT USED 58	NOT USED 68	NOT USED 78	NOT USED 88	Black-Blue J212-9 Upper Left Flipper Opto F8

J2XX = CPU Board;

= Opto, Typically Closed