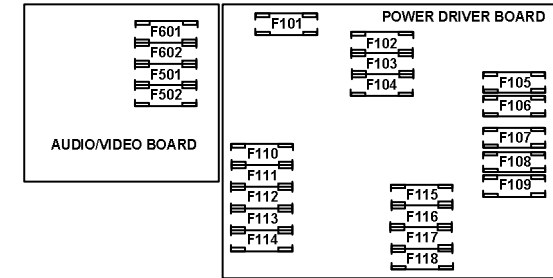


FUSE LIST

AUDIO/VIDEO BOARD			POWER DRIVER BOARD		
F501	-25V	T2.5A, 250V	F101	Regulated 12V	T0.63A, 250V
F502	+25V	T2.5A, 250V	F102	Solenoids #9 to #16	T4.0A, 250V
F601	+62V	T0.25A, 250V	F103	Solenoids #1 to #8	T4.0A, 250V
F602	-113V & -125V	T0.25A, 250V	F104	Solenoids #25 to #28	T4.0A, 250V
LINE FILTER			F105	+5V Logic	T4.0A, 250V
Foreign			F106	+18V Lamp Matrix	T5.0A, 250V
Domestic			F107	Flasher Secondary	T4.0A, 250V
			F108	Solenoid Secondary	T6.3A, 250V
			F109	Unregulated 12V	T4.0A, 250V
			F110	G.I. #5 White-Violet	T4.0A, 250V
			F111	G.I. #4 White-Green	T4.0A, 250V
			F112	G.I. #3 White-Yellow	T4.0A, 250V
			F113	G.I. #2 White-Orange	T4.0A, 250V
			F114	G.I. #1 White-Brown	T4.0A, 250V
			F115	+50V Flippers	T4.0A, 250V
			F116	+50V Flippers	T4.0A, 250V
			F117	+50V Flippers	T4.0A, 250V
			F118	+50V Flippers	T4.0A, 250V



CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH THE SAME TYPE OF FUSE HAVING THE SAME ELECTRICAL RATINGS.
ATTENTION: UTILISER UN FUSIBLE DE RECHARGE DE MEME TYPE.

SOLENOID/FLASHER TABLE

Sol No.	Function	Solenoid Type	Voltage Connections			Drive Xistor	Drive Connections			Drive Wire Color	Solenoid Part Number	
			Playfield	Backbox	Cabinet		Playfield	Backbox	Cabinet		Playfield	Backbox
01	AUTO PLUNGER	High Power	J133-2			Q72	J116-1			VIO-BRN	AE-23-800	
02	REFRIDGERATOR POPPER	High Power	J133-2			Q68	J116-2			VIO-RED	AE-23-800	
03	POWER CRANE	High Power	J133-2			Q71	J116-4			VIO-ORG	A-20099	
04	NOT USED	High Power				Q67				VIO-YEL		
05	SCOOP DOWN	High Power	J133-2			Q70	J116-6			VIO-GRN	SM1-28-900	
06	BUS DIVERTER	High Power	J133-2			Q66	J116-7			VIO-BLU	AE-27-1200	
07	KNOCKER	High Power		J133-2		Q69		J116-8		VIO-BLK		AE-23-800
08	NOT USED	High Power				Q65	J116-9			VIO-GRY		
09	TROUGH	Low Power	J133-3			Q44	J113-1			BRN-BLK	AE-26-1500	
10	LEFT SLINGSHOT	Low Power	J133-3			Q48	J113-3			BRN-RED	AE-26-1200	
11	RIGHT SLINGSHOT	Low Power	J133-3			Q43	J113-4			BRN-ORG	AE-26-1200	
12	NOT USED	Low Power				Q47				BRN-YEL		
13	NOT USED	Low Power				Q42				BRN-GRN		
14	NOT USED	Low Power				Q46				BRN-BLU		
15	HOLD CRANE	Low Power	J133-2			Q41	J113-8			BRN-VIO	A-20099	
16	MOVE DOG	Low Power	J133-3			Q45	J113-9			BRN-GRY	AE-26-1200	
17	DOG FACE FLASHER	Flasher	J133-6			Q28	J111-1			BLK-BRN	#906 (1)	
18	WINDOW SHOP FLASHER	Flasher	J133-6			Q32		J112-2		BLK-RED	#906 (1)	
19	AUTOFIRE FLASHERS	Flasher	J133-6			Q27	J111-3			BLK-ORG	#89 (2)	
20	LEFT SIDE FLASHERS	Flasher	J133-6			Q31	J111-4	J112-5		BLK-YEL	#906 (1)	#906 (1)
21	SCOOP UP **	Low Power	J133-3			Q26	J111-5			BLU-GRN	AE-26-1200	
22	UNDER CRANE FLASHER	Flasher	J133-6			Q30	J111-6			BLU-BLK	#906 (1)	
23	BACK LEFT FLASHERS	Flasher	J133-6			Q25	J111-7	J112-8		BLU-VIO	#906 (1)	#906 (1)
24	BACK RIGHT FLASHERS	Flasher	J133-6			Q29	J111-8	J112-9		BLU-GRY	#906 (1)	#906 (1)
25	SHOOTER FLASHER	Gen. Purpose	J133-6			Q16	J109-1			BLU-BRN	#906 (1)	
26	SCOOP FLASHERS	Gen. Purpose	J133-6			Q15	J109-2	J108-2		BLU-RED	#906 (1)	#906 (1)
27	DOG HOUSE FLASHER	Gen. Purpose	J133-6			Q14	J109-3			BLU-ORG	#89(1)	
28	CARS FLASHERS	Gen. Purpose	J133-6			Q13	J109-4			BLU-YEL	#89 (2)	

General Illumination	Voltage Connections	Drive Xistor	Drive Connections	Drive Wire	Bulb Type	
					Playfield	Insert
01	PLAYFIELD STRING 1	G.I.	J105-1	Q5	J105-7	#44
02	PLAYFIELD STRING 2	G.I.	J105-2	Q4	J105-8	#44
03	LOGO STRING 3	G.I.	J106-3	Q3	J106-9	#44
04	* ILLUMINATION STRING 4	G.I.	J106-5	Q2	J106-10	#555
05	* ILLUMINATION STRING 5	G.I.	J106-6	Q1	J106-11	#555

Flipper Circuits	Voltage Connection	Drive Transistors	Drive Connections	Drive Wire Colors	Coil Part No.	Coil Colors		
							Playfield	Power
29	LOWER RIGHT FLIPPER	Power	J119-1 (RED-GRN)	Q90	J120-13	YEL-GRN	FL-11629	BLUE
30	LOWER RIGHT FLIPPER	Hold	J119-1 (RED-GRN)	Q92	J120-11	ORG-GRN		
31	LOWER LEFT FLIPPER	Power	J119-4 (RED-BLU)	Q67	J120-9	YEL-BLU	FL-11629	BLUE
32	LOWER LEFT FLIPPER	Hold	J119-4 (RED-BLU)	Q69	J120-7	ORG-BLU		
33	NOT USED	Power	J119-6 (RED-VIO)	Q84	J120-6	YEL-VIO	NOT USED	
34	UPPER RIGHT FLIPPER	Hold	J119-6 (RED-VIO)	Q86	J120-4	ORG-VIO		
35	NOT USED	Power	J119-8 (RED-GRY)	Q81	J120-3	YEL-GRY	NOT USED	
36	UPPER LEFT FLIPPER	Hold	J119-8 (RED-GRY)	Q83	J120-1	ORG-GRY		

J1XX = POWER DRIVER BOARD
 24-6549 = #44 BULB; 24-8704 = #89 BULB; 24-8768 = #555 BULB; 24-8802 = #906 BULB
 *These general illumination strings do not brighten and dim, they are always on
 ** Tie back diode from J111-12 & J111-13

LAMP MATRIX

Column	Yellow (B+) → Red							
	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-Grey J121-9 Q97
1 Red-Brown J125-1 Q104	TOP LEFT BANK BOTTOM	RIGHT 3 BANK TOP	JACKPOT	GEN. BUS	GEN. TOILET	PROPELLER	TIME MACHINE	FIREWORKS
2 Red-Black J125-2 Q108	TOP LEFT BANK MIDDLE	RIGHT 3 BANK MIDDLE	SUPER JACKPOT	TOAST	WINDOW SHOPPING	OUTER SPACE	START ADVENTURE	TOXIC WASTE
3 Red-Orange J125-4 Q103	TOP LEFT BANK TOP	RIGHT 3 BANK BOTTOM	MULTIBALL	MAGIC BUS	LEFT RECYCLE	DO(G)	EXTRA BALL	LIGHT EXTRA BALL
4 Red-Yellow J125-5 Q107	TOP RIGHT BANK TOP	LEFT BANK BOTTOM	WRECKING BALL	COLLECT JUNK	LEFT CRANE H. U.	(D)OG	TOAST	FREE GAME
5 Red-Green J125-6 Q102	TOP RIGHT BANK MIDDLE	LEFT BANK MIDDLE	RADAR ADVENTURE	COO COO CLOCK	SHOOT AGAIN	D(O)G	GEN. SEWER	LIGHT JACKPOT
6 Red-Blue J125-7 Q106	TOP RIGHT BANK BOTTOM	LEFT BANK TOP	JALOPY RACE	TELEVISION	NOT USED	CHOOSE JUNK	TOASTER GUN	GEN. CRANE
7 Red-Violet J125-8 Q101	RIGHT RECYCLE	FAN	TOILET ADVENTURE	WEATHER VANE	TOASTER	ANGEL SLING	GEN. ALLEY	NOT USED
8 Red-Grey J125-9 Q105	RIGHT CRANE H. U.	BATH TUB	A.T.C. ADVENTURE	FISH BOWL	HAIR DRYER	BICYCLES	DEVIL SLING	START BUTTON

J1XX = Power Driver Board

SWITCH MATRIX

DEDICATED GROUNDED SWITCHES	Column	White → Green								FLIPPER GROUNDED SWITCHES
		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-Grey J206-9 U20-11	
Orange-Brown J205-1 LEFT COIN CHUTE U17-5	1 White-Brown J208-1 U18-11	TOASTER GUN	SLAM TILT	TROUGH EJECT	PAST SPINNER	LEFT SLING	UPPER RIGHT 3 BANK BOTTOM	RAMP ENTRY	NOT USED	Black-Green J208-13 Lower Right Flipper E.O.S.
Orange-Red J205-2 CENTER COIN CHUTE U17-7	2 White-Red J208-2 U18-9	REBOUND SWITCH	COIN DOOR CLOSED	TROUGH BALL 1	IN THE SEWER	RIGHT SLING	UPPER RIGHT 3 BANK MIDDLE	SCOOP DOWN	NOT USED	Blue-Violet J212-12 Lower Right Flipper Opto
Orange-Black J205-3 RIGHT COIN CHUTE U17-11	3 White-Orange J208-3 U18-5	START BUTTON	NOT USED	TROUGH BALL 2	LOCK JAM	CAR TARGET 4	UPPER RIGHT 3 BANK TOP	SCOOP MADE	NOT USED	Black-Blue J208-12 Lower Left Flipper E.O.S.
Orange-Yellow J205-4 4TH COIN CHUTE U17-9	4 White-Yellow J208-4 U18-7	PLUMB BOB TILT	ALWAYS CLOSED	TROUGH BALL 3	PAST CRANE	CAR TARGET 5 (RIGHT)	UPPER LEFT 3 BANK BOTTOM	DOG ENTRY	NOT USED	Blue-Grey J212-11 Lower Left Flipper Opto
Orange-Green J205-6 Normal Function Srv Crdts	5 White-Green J208-5 U19-11	TOP LEFT CRANE	NOT USED	TROUGH BALL 4	RAMP EXIT	NOT USED	UPPER LEFT 3 BANK MIDDLE	NOT USED	NOT USED	Black-Violet J208-11 SPINNER
Orange-Blue J205-7 Normal Function Volume Dn	6 White-Blue J208-7 U19-9	LEFT OUTLANE	RIGHT RETURN LANE	LOCK UP 2	CAR TARGET 1 (LEFT)	LOWER LEFT 3 BANK BOTTOM	UPPER LEFT 3 BANK TOP	RIGHT 3 BANK BOTTOM	NOT USED	Black-Yellow J212-10 Upper Right Flipper Opto
Orange-Violet J205-8 Normal Function Volume Up	7 White-Violet J208-8 U19-5	RIGHT RETURN LANE	RIGHT OUTLANE	LOCK UP 1	CAR TARGET 2	LOWER LEFT 3 BANK MIDDLE	BOWL ENTRY	RIGHT 3 BANK MIDDLE	NOT USED	Black-Grey J208-10 Upper Left Flipper E.O.S.
Orange-Grey J205-9 Normal Function Begin Test	8 White-Grey J208-9 U19-7	SHOOTER LANE	CRANE DOWN	TOP RIGHT CRANE	CAR TARGET 3	LOWER LEFT 3 BANK TOP	BOWL EXIT	RIGHT 3 BANK TOP	NOT USED	Black-Blue J212-9 Upper Left Flipper Opto

J2XX = CPU Board = OPTO, TYPICALLY CLOSED