

Gottlieb's James Bond 007

Switch Matrix

	RETURN 0 A1J6-10 Blu-Blk-Blk (600)	RETURN 1 A1J6-11 Blu-Brn-Brn (611)	RETURN 2 A1J6-12 Blu-Red-Red (622)	RETURN 3 A1J6-13 Blu-Orn-Orn (633)	RETURN 4 A1J6-14 Blu-Yel-Yel (644)	RETURN 5 A1J6-15 Blu-Grn-Grn (655)	RETURN 6 A1J5-8 / A1J6-16 Blu-Blu-Blu (666)	RETURN 7 A1J5-1 / A1J6-17 Blu-Pur-Pur (677)
STROBE 0 A1J5-2 / A1J6-1 Yel-Blk-Blk (400)	Not Used SW.00	Not Used SW.01	#1 Yellow Drop Target Grn-Yel-Yel (544) SW.02	#1 Green Drop Target Blk-Orn-Orn (033) SW.03	#1 Red Drop Target Orn-Yel-Yel (344) SW.04	Not Used SW.05	Not Used SW.06	Test Button Grn-Blk-Blk (500) SW.07
STROBE 1 A1J5-3 / A1J6-2 Yel-Brn-Brn (411)	Not Used SW.10	Not Used SW.11	#2 Yellow Drop Target Grn-Slt-Slt (588) SW.12	#2 Green Drop Target Blk-Yel-Yel (044) SW.13	#2 Red Drop Target Orn-Grn-Grn (355) SW.14	Not Used SW.15	Not Used SW.16	Left Coin Chute Grn-Brn-Brn (511) SW.17
STROBE 2 A1J5-4 / A1J6-3 Yel-Red-Red (422)	Not Used SW.20	Not Used SW.21	#3 Yellow Drop Target Slt-Blu-Blu (866) SW.22	#3 Green Drop Target Blk-Grn-Grn (055) SW.23	#3 Red Drop Target Orn-Blu-Blu (366) SW.24	Not Used SW.25	Not Used SW.26	Center Coin Chute Grn-Red-Red (522) SW.27
STROBE 3 A1J5-5 / A1J6-4 Yel-Orn-Orn (433)	Not Used SW.30	Not Used SW.31	#4 Yellow Drop Target Slt-Pur-Pur (877) SW.32	#4 Green Drop Target Blk-Blu-Blu (066) SW.33	#4 Red Drop Target Orn-Pur-Pur (377) SW.34	Not Used SW.35	Not Used SW.36	Right Coin Chute Grn-Orn-Orn (533) SW.37
STROBE 4 A1J5-6 / A1J6-5 Yel-Yel-Yel (444)	Not Used SW.40	Not Used SW.41	Purple Drop Target Red-Yel-Yel (244) SW.42	Top Center Lane & Left Outlane Red-Grn-Grn (255) SW.43	Pop Bumpers (3) Blk-Slt-Slt (088) SW.44	Not Used SW.45	Not Used SW.46	Replay Button Grn-Yel-Yel (544) SW.47
STROBE 5 A1J5-7 / A1J6-6 Yel-Grn-Grn (455)	Not Used SW.50	Not Used SW.51	Purple Spot Target Blk-Red-Red (022) SW.52	Top Left & Right Lane Right Outlane Red-Pur-Pur (277) SW.53	Not Used SW.54	Not Used SW.55	Not Used SW.56	Tilt Grn-Grn-Grn (555) Blk-Blk-Blk (000) SW.57
STROBE 6 A1J6-7 Yel-Blu-Blu (466)	Not Used SW.60	Not Used SW.61	Green Spot Target Red-Slt-Slt (288) SW.62	10 Point Contacts (13) Red-Blu-Blu (266) SW.63	Special Target Brn-Blk-Blk (100) SW.64	Not Used SW.65	Not Used SW.66	Outhole Blk-Brn-Brn (011) SW.67
STROBE 7 A1J5-9 / A1J6-8 Yel-Pur-Pur (477)	Not Used SW.70	Not Used SW.71	Left Return Lane Slt-Grn-Grn (855) SW.72	Left Top Rollover Lane Pur-Blk-Blk (700) SW.73	Right Return Lane Brn-Brn-Brn (111) SW.74	Not Used SW.75	Not Used SW.76	Not Used SW.77

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Driverboard

transistor	connector	code	description	wire code	wire color	transistor type
Q01	A3J3-A	L0	Game Over Relay (Q)	288	Red-Slt-Slt	MPS-U45
Q Relay			Match	011	Blk-Brn-Brn	Q relay n.c.
Q Relay			Ball in Play	033	Blk-Orn-Orn	Q relay n.o.
Q02	A3J3-B	L1	Tilt Relay (T)	277	Red-Pur-Pur	MPS-U45
T Relay			Tilt	022	Brn-Red-Red	T relay n.o.
Q03	A3J5-2	L2	Coin Lockout	877	Slt-Pur-Pur	MPS-U45
Q04	A3J2-1 / A3J3-C	L3	Same Player Shoot Again	588	Grn-Slt-Slt	MPS-U45
Q05	A3J2-2	L4	Player 1	500	Grn-Blk-Blk	MPS-A13
Q06	A3J2-3	L5	Player 2	511	Grn-Brn-Brn	MPS-A13
Q07	A3J2-5	L6	Player 3	522	Grn-Red-Red	MPS-A13
Q08	A3J2-4	L7	Player 4	533	Grn-Orn-Orn	MPS-A13
Q09	A3J2-10	L8	Not Used	544	Grn-Yel-Yel	MPS-A13
Q10	A3J2-9	L9	Not Used	555	Grn-Grn-Grn	MPS-A13
Q11	A3J2-7	L10	High Game To Date	577	Grn-Pur-Pur	MPS-A13
Q12	A3J2-8	L11	Game Over	566	Grn-Blu-Blu	MPS-A13
Q13	A3J3-25	L12	Trip Yellow Drop Target #1	100	Brn-Blk-Blk	MPS-U45
Q14	A3J3-24	L13	Trip Yellow Drop Target #2	111	Brn-Brn-Brn	MPS-U45
Q15	A3J3-22	L14	Trip Yellow Drop Target #3	122	Brn-Red-Red	MPS-U45
Q16	A3J3-23	L15	Trip Yellow Drop Target #4	133	Brn-Orn-Orn	MPS-U45
Q17	A3J3-13	L16	Trip Green Drop Target #1	144	Brn-Yel-Yel	MPS-U45
Q18	A3J3-14	L17	Trip Green Drop Target #2	155	Brn-Grn-Grn	MPS-U45
Q19	A3J3-16	L18	Trip Green Drop Target #3	166	Brn-Blu-Blu	MPS-U45
Q20	A3J3-15	L19	Trip Green Drop Target #4	177	Brn-Pur-Pur	MPS-U45
Q21	A3J3-21	L20	Trip Red Drop Target #1	300	Orn-Blk-Blk	MPS-U45
Q22	A3J3-20	L21	Trip Red Drop Target #2	311	Orn-Brn-Brn	MPS-U45
Q23	A3J3-18	L22	Trip Red Drop Target #3	322	Orn-Red-Red	MPS-U45
Q24	A3J3-19	L23	Trip Red Drop Target #4	333	Orn-Orn-Orn	MPS-U45
Q25	A3J3-9	L24	Left Top Rollover Lane	344	Orn-Yel-Yel	MPS-U45
Q26	A3J3-10	L25	Not Used	355	Orn-Grn-Grn	MPS-U45
Q27	A3J3-12	L26	Multiplier 1X (2 lamps)	366	Orn-Blu-Blu	MPS-U45
Q28	A3J3-11	L27	Multiplier 2X (2 lamps)	377	Orn-Pur-Pur	MPS-U45
Q29	A3J3-Y	L28	Multiplier 3X (2 lamps)	500	Grn-Blk-Blk	MPS-U45
Q30	A3J3-X	L29	Multiplier 4X (2 lamps)	511	Grn-Brn-Brn	MPS-U45
Q31	A3J3-V	L30	Multiplier 5X (2 lamps)	522	Grn-Red-Red	MPS-U45
Q32	A3J3-W	L31	Special	533	Grn-Orn-Orn	MPS-U45
Q33	A3J3-5	L32	Not Used	544	Grn-Yel-Yel	MPS-A13
Q34	A3J3-6	L33	Purple Drop Target	555	Grn-Grn-Grn	MPS-A13
Q35	A3J3-K	L34	Two Hit at Once	566	Grn-Blu-Blu	MPS-A13
Q36	A3J3-7	L35	100	577	Grn-Pur-Pur	MPS-A13
Q37	A3J4-1	L36	200	700	Pur-Blk-Blk	MPS-A13
Q38	A3J4-2	L37	300	711	Pur-Brn-Brn	MPS-A13
Q39	A3J4-4	L38	400	722	Pur-Red-Red	MPS-A13
Q40	A3J4-3	L39	500	733	Pur-Orn-Orn	MPS-A13
Q41	A3J3-4	L40	600	744	Grn-Yel-Yel	MPS-A13
Q42	A3J3-3	L41	700	755	Grn-Grn-Grn	MPS-A13
Q43	A3J3-T	L42	800	766	Grn-Blu-Blu	MPS-A13
Q44	A3J3-2	L43	Green Spot Target (Adv. Multiplier)	777	Grn-Pur-Pur	MPS-A13
Q45	A3J3-D	L44	Right Return Rollover	800	Slt-Blk-Blk	MPS-U45
Q46	A3J3-F	L45	Left Return Rollover	811	Slt-Brn-Brn	MPS-U45
Q47	A3J3-P	L46	Purple Spot Target	822	Slt-Red-Red	MPS-U45
Q48	A3J3-M	L47	Green Spot Target (Add 10)	833	Slt-Orn-Orn	MPS-U45
Q49	A3J3-E	L48	Top Center & Lower Left Outlane	844	Slt-Yel-Yel	MPS-U45
Q50	A3J3-H	L49	Top Left, Right & Lower Right Outlane	855	Slt-Grn-Grn	MPS-U45
Q51	A3J3-R	L50	Not Used	866	Slt-Blu-Blu	MPS-U45
Q52	A3J3-N	L51	Not Used	877	Slt-Pur-Pur	MPS-U45
Q53	A3J5-8	Solenoid 8	Knocker	888	Slt-Slt-Slt	2N6043
Q54	A3J6-3	Solenoid 3	Coin Counter 1	655	Blu-Grn-Grn	MPS-U45
Q55	A3J6-2	Solenoid 4	Coin Counter 2	644	Blu-Yel-Yel	MPS-U45
Q56	A3J6-1	Solenoid 7	Coin Counter 3	633	Blu-Orn-Orn	MPS-U45
Q57-Q58	A3J4-13	Solenoid 2	Yellow Drop Target Bank Reset	200	Red-Blk-Blk	MPS-U45 - 2N3055
Q59	A3J4-8	Solenoid 9	Outhole	244	Red-Yel-Yel	2N6043
Q60	A3J4-7	Solenoid 1	Not Used	266	Red-Blu-Blu	2N6043
Q61-Q62	A3J4-6	Solenoid 5	Green Drop Target Bank Reset	211	Red-Brn-Brn	MPS-U45 - 2N3055
Q63-Q64	A3J4-12	Solenoid 6	Red Drop Target Bank Reset	233	Red-Orn-Orn	MPS-U45 - 2N3055

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Fuse List

designation	Wire in	Value	Wire out	description	location
F1	Blk-Slt-Slt (088)	12 Amp	Blk-Pur-Pur (077)	6.3VAC Lightbox Illumination	Bottom Board
F2		10 Amp	Blk-Blu-Blu (066)	6.3VAC Playboard Illumination	Bottom Board
F3	Orn-Blk-Blk (300)	5 Amp Slo-Blo	Orn-Brn-Brn (311)	8VAC Controlled Lamps	Bottom Board
F4	Orn-Red-Red (322)	¼ Amp Slo-Blo	Orn-Orn-Orn (333)	12VAC Sound Board	Bottom Board
F5	Red-Brn-Brn (211)	5 Amp Slo-Blo	Red-Orn-Orn (233)	10VAC Power Supply	Bottom Board
F6	Red-Blu-Blu (266)	5 Amp Slo-Blo	Red-Pur-Pur (277)	25VAC Solenoids	Bottom Board
F7	Brn-Slt-Slt (188)	¼ Amp Slo-Blo	Brn-Blk-Blk (100)	60VAC Score Displays	Bottom Board
F8	--	5 Amp Slo-Blo	Grn-Slt-Slt (588)	115VAC Primary Fuse	Bottom Board
		2½ Amp Slo-Blo		230VAC Primary Fuse	Bottom Board
F9	Red-Red-Red (222)	1 Amp Slo-Blo	Brn-Slt-Slt (188)	Outhole	Playfield
F10	Red-Red-Red (222)	2 Amp Slo-Blo	Yel-Yel-Yel (444)	Yellow Drop Target Bank Reset	Playfield
				Green Drop Target Bank Reset	
				Red Drop Target Bank Reset	
F11	Orn-Slt-Slt (388)	2 Amp Slo-Blo	Yel-Blk-Blk (400)	Bottom Pop Bumper	Playfield
F12	Orn-Slt-Slt (388)	2 Amp Slo-Blo	Yel-Brn-Brn (411)	Center Pop Bumper	Playfield
F13	Orn-Slt-Slt (388)	2 Amp Slo-Blo	Yel-Red-Red (422)	Top Pop Bumper	Playfield

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Solenoids

	Solenoid description	Solenoid Type	Power Wire	Fuse	Transfer Wire	Coil Wire Color	Connector	Driver Tr.	Transistor Type	Coil Type
L0	Game Over Relay	controlled	Red-Red-Red (222)			Red-Slt-Slt (288)	A3J3-A	Q1	MPS-U45	A-16890
L1	Tilt Relay	controlled	Red-Red-Red (222)			Red-Pur-Pur (277)	A3J3-B	Q2	MPS-U45	A-16890
L2	Lockout	controlled	Red-Red-Red (222)			Slt-Pur-Pur (877)	A3J5-2	Q3	MPS-U45	A-16890
L12	Trip Yellow Drop Target #1	controlled	Red-Red-Red (222)			Brn-Blk-Blk (100)	A3J3-25	Q13	MPS-U45	A-18642
L13	Trip Yellow Drop Target #2	controlled	Red-Red-Red (222)			Brn-Brn-Brn (111)	A3J3-24	Q14	MPS-U45	A-18642
L14	Trip Yellow Drop Target #3	controlled	Red-Red-Red (222)			Brn-Red-Red (122)	A3J3-22	Q15	MPS-U45	A-18642
L15	Trip Yellow Drop Target #4	controlled	Red-Red-Red (222)			Brn-Orn-Orn (133)	A3J3-23	Q16	MPS-U45	A-18642
L16	Trip Green Drop Target #1	controlled	Red-Red-Red (222)			Brn-Yel-Yel (144)	A3J3-13	Q17	MPS-U45	A-18642
L17	Trip Green Drop Target #2	controlled	Red-Red-Red (222)			Brn-Grn-Grn (155)	A3J3-14	Q18	MPS-U45	A-18642
L18	Trip Green Drop Target #3	controlled	Red-Red-Red (222)			Brn-Blu-Blu (166)	A3J3-16	Q19	MPS-U45	A-18642
L19	Trip Green Drop Target #4	controlled	Red-Red-Red (222)			Brn-Pur-Pur (177)	A3J3-15	Q20	MPS-U45	A-18642
L20	Trip Red Drop Target #1	controlled	Red-Red-Red (222)			Orn-Blk-Blk (300)	A3J3-21	Q21	MPS-U45	A-18642
L21	Trip Red Drop Target #2	controlled	Red-Red-Red (222)			Orn-Brn-Brn (311)	A3J3-20	Q22	MPS-U45	A-18642
L22	Trip Red Drop Target #3	controlled	Red-Red-Red (222)			Orn-Red-Red (322)	A3J3-18	Q23	MPS-U45	A-18642
L23	Trip Red Drop Target #4	controlled	Red-Red-Red (222)			Orn-Orn-Orn (333)	A3J3-19	Q24	MPS-U45	A-18642
Sol. 1	Not Used	controlled	Red-Red-Red (222)			Red-Blu-Blu (266)	A3J4-7	Q60	2N6043	
Sol. 2	Yellow Drop Target Bank Reset	controlled	Red-Red-Red (222)	F10	Yel-Yel-Yel (444)	Red-Blk-Blk (200)	A3J4-13	Q57 + Q58	MPS-U45 + 2N3055	A-17891
Sol. 3	Coin Counter #1	controlled	Red-Red-Red (222)			Blu-Grn-Grn (655)	A3J6-3	Q54	MPS-U45	
Sol. 4	Coin Counter #2	controlled	Red-Red-Red (222)			Blu-Yel-Yel (644)	A3J6-2	Q55	MPS-U45	
Sol. 5	Green Drop Target Bank Reset	controlled	Red-Red-Red (222)	F10	Yel-Yel-Yel (444)	Red-Brn-Brn (211)	A3J4-6	Q61 + Q62	MPS-U45 + 2N3055	A-18318
Sol. 6	Red Drop Target Bank Reset	controlled	Red-Red-Red (222)	F10	Yel-Yel-Yel (444)	Red-Orn-Orn (233)	A3J4-12	Q63 + Q64	MPS-U45 + 2N3055	A-18318
Sol. 7	Coin Counter #3	controlled	Red-Red-Red (222)			Blu-Orn-Orn (633)	A3J6-1	Q56	MPS-U45	
Sol. 8	Knocker	controlled	Red-Red-Red (222)			Slt-Slt-Slt (888)	A3J5-8	Q53	2N6043	A-5195
Sol. 9	Outhole	controlled	Red-Red-Red (222)	F9	Yel-Orn-Orn (433)	Red-Yel-Yel (244)	A3J4-8	Q59	2N6043	A-16570
	Bottom Pop Bumper	Pop Bumper Board	Orn-Slt-Slt (388)	F11	Yel-Blk-Blk (400)	Brn-Slt-Slt (188)	1A8J1-1	board 1 - Q1	2N6057	A-1496
	Center Pop Bumper	Pop Bumper Board	Orn-Slt-Slt (388)	F12	Yel-Brn-Brn (411)	Yel-Slt-Slt (488)	2A8J1-1	board 2 - Q1	2N6057	A-1496
	Top Pop Bumper	Pop Bumper Board	Orn-Slt-Slt (388)	F13	Yel-Red-Red (422)	Slt-Slt-Slt (888)	3A8J1-1	board 3 - Q1	2N6057	A-1496
	Left Kicking Rubber	directly	Orn-Slt-Slt (388)					switch		A-1496
	Right Kicking Rubber	directly	Orn-Slt-Slt (388)					switch		A-1496
	Lower Left Flipper	directly	Orn-Slt-Slt (388)	to button,	Blk-Grn-Grn (055)	to coil	A7J5-9	button		A-17875
	Upper Left Flipper	directly	Orn-Slt-Slt (388)	to button,	Blk-Grn-Grn (055)	to coil	A7J5-9	button		A-17875
	Lower Right Flipper	directly	Orn-Slt-Slt (388)	to button,	Blk-Yel-Yel (044)	to coil	A7J5-10	button		A-17875
	Upper Right Flipper	directly	Orn-Slt-Slt (388)	to button,	Blk-Yel-Yel (044)	to coil	A7J5-10	button		A-17875

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