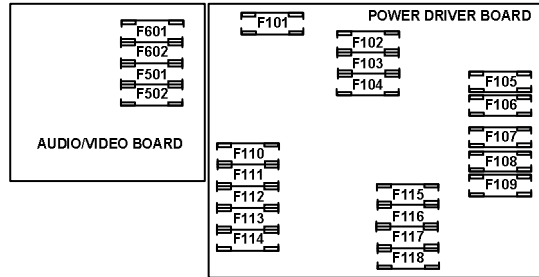


# TALES OF THE ARABIAN NIGHTS (50047)

## FUSE LIST

AUDIO/VIDEO BOARD				POWER DRIVER BOARD					
F501	-25V	T2.5A, 250V		F101	Regulated 12V	T0.63A, 250V	F110	G.I. #5 White-Violet	T4.0A, 250V
F502	+25V	T2.5A, 250V		F102	Solenoids #9 to #16	T4.0A, 250V	F111	G.I. #4 White-Green	T4.0A, 250V
F601	+62V	T0.25A, 250V		F103	Solenoids #1 to #8	T4.0A, 250V	F112	G.I. #3 White-Yellow	T4.0A, 250V
F602	-113V & -125V	T0.25A, 250V		F104	Solenoids #25 to #28	T4.0A, 250V	F113	G.I. #2 White-Orange	T4.0A, 250V
<b>LINE FILTER</b>									
Foreign		T4.0A, 250V		F105		+5V Logic		T4.0A, 250V	
Domestic		T5.0A, 250V		F106		+18V Lamp Matrix		T5.0A, 250V	
				F107		Flasher Secondary		T4.0A, 250V	
				F108		Solenoid Secondary		T6.3A, 250V	
				F109		Unregulated 12V		T4.0A, 250V	
				F114		+50V Flippers		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 Flashlamp Type	
			Playfield	Backbox	Cabinet		Playfield	Backbox	Cabinet		Playfield	Backbox
01	LEFT CAGE	High Power	J133-2			Q72	J116-1			VIO-BRN	A-20099	
02	RIGHT CAGE	High Power	J133-2			Q68	J116-2			VIO-RED	A-20099	
03	VANISH DROP	High Power	J133-2			Q71	J116-4			VIO-ORG	FL-11753	
04	LOCK EJECT	High Power	J133-2			Q67	J116-5			VIO-YEL	AE-27-1200	
05	BAZAAR EJECT	High Power	J133-2			Q70	J116-6			VIO-GRN	AE-25-1000	
06	LOCK MAGNET	High Power	J133-2			Q66	J116-7			VIO-BLU	20-10197	
07	KNOCKER	High Power	J133-2	J133-2		Q69	J116-8	J116-8		VIO-BLK		AE-23-800
08	RAMP MAGNET COIL	High Power	J133-1			Q65	J116-9			VIO-GRY	20-10197	
09	TROUGH EJECT	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-27-1200	
11	RIGHT SLINGSHOT	Low Power	J133-3			Q43	J113-4			BRN-ORG	AE-27-1200	
12	LEFT JET BUMPER	Low Power	J133-3			Q47	J113-5			BRN-YEL	AE-26-1200	
13	RIGHT JET BUMPER	Low Power	J133-3			Q42	J113-6			BRN-GRN	AE-26-1200	
14	MIDDLE JET BUMPER	Low Power	J133-3			Q46	J113-7			BRN-BLU	AE-26-1200	
15	LEFT KICKER	Low Power	J133-3			Q41	J113-8			BRN-VIO	AE-27-1200	
16	LEFT EJECT FLASHER	Low Power	J133-6	J134-5		Q45	J113-9	J114-5		BRN-GRY	#89 (2)	#906
17	INLANE FLASHERS	Flasher	J133-6			Q28	J111-1			BLK-BRN	#89 (2)	
18	FINAL BATTLE FLASHER	Flasher	J133-6			Q32	J111-2			BLK-RED	#906	
19	LEFT LOOP FLASHER	Flasher	J133-6			Q27	J111-3			BLK-ORG	#906	
20	BAZAAR FLASHER	Flasher	J133-6			Q31	J111-4			BLK-YEL	#89	
21	RAMP DIVERTOR	Low Power	J133-2			Q26	J111-5			BLU-GRN	AE-30-2000	
22	RUB LAMP FLASHER	Flasher	J133-6			Q30	J111-6			BLU-BLK	#906	
23	MAGIC LAMP FLASHERS	Flasher	J133-6			Q25	J111-7			BLU-VIO	#906	
24	RIGHT LOOP FLASHER	Flasher	J133-6			Q29	J111-8			BLU-GRY	#906	
25	START TALE FLASHERS	Gen. Purpose	J133-6	J134-5		Q16	J109-1	J108-1		BLU-BRN	#906	#906
26	JET FLASHERS	Gen. Purpose	J133-6	J134-5		Q15	J109-2	J108-2		BLU-RED	#906	#906
27	TOP LOOP FLASHER	Gen. Purpose	J133-6	J134-5		Q14	J109-3	J108-3		BLU-ORG	#906	#906
28	RAMP FLASHER	Gen. Purpose	J133-6			Q13	J109-4			BLU-YEL	#906	

### General Illumination

01	ILLUMINATION STRING 1	G.I.	J106-1			Q5	J105-7			WHT-BRN	#44	
02	ILLUMINATION STRING 2	G.I.	J106-2			Q4	J105-8			WHT-ORG	#44	
03	ILLUMINATION STRING 3	G.I.	J106-3			Q3	J105-9			WHT-YEL	#44	
04	ILLUMINATION STRING 4	G.I.	J105-5			Q2	J106-10			WHT-GRN	#555	
05	ILLUMINATION STRING 5	G.I.	J105-6	J104-3		Q1	J106-11	J104-1		WHT-VIO	#555	

Flipper Circuits	Power	Voltage Connection	Drive Transistors		Drive Connections		Drive Wire Colors		Coil Part No.	Coil Colors
			Power	Hold	Playfield	Playfield	Power	Hold		
29		J119-1 (RED-GRN)	Q90		J120-13	YEL-GRN		FL-11629	BLUE	
30	LOWER RIGHT FLIPPER	J119-1 (RED-GRN)	Q92		J120-11	ORG-GRN				
31		J119-4 (RED-BLU)	Q67		J120-9	YEL-BLU		FL-11629	BLUE	
32	LOWER LEFT FLIPPER	J119-4 (RED-BLU)	Q69		J120-7	ORG-BLU				
33	LEFT DIVERTOR POWER	J119-6 (RED-VIO)	Q84		J120-6	YEL-VIO		FL-11753	YELLOW	
34	LEFT DIVERTOR HOLD	J119-6 (RED-VIO)	Q86		J120-4	ORG-VIO				
35	VANISH MAGNET	J119-8 (RED-GRY)	Q81		J120-3	YEL-GRY		20-10197		
36	LOOP POST DIVERTOR	J119-8 (RED-GRY)	Q83		J120-1	ORG-GRY		AE-27-1200		

### J1XX = POWER DRIVER BOARD

\*These general illumination strings do not brighten and dim, they are always on

## 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 J121-8 Q97
1 Red-Brown J125-1 Q104	JEWEL 1 (LEFT) 11	JACKPOT 21	MAGIC CARPET 31	SMOKE 6 41	SMOKE 14 (TOP) 51	MAKE A WISH 61	ACTION 2 71	EXTRA BALL 81
2 Red-Black J125-2 Q108	JEWEL 2 12	(G)ENIE 22	ACTION 3 32	SMOKE 7 42	LAMP-15 52	(B)AZAAR 62	LEFT LOCK 72	ACTION 5 82
3 Red-Orange J125-4 Q103	JEWEL 3 13	G(E)NIE 23	RAMP ARROW RIGHT 33	SMOKE 8 43	LAMP-30 53	B(A)ZAAR 63	HAREM ADVANCE 73	RIGHT LOCK 83
4 Red-Yellow J125-5 Q107	JEWEL 4 14	GE(N)IE 24	RAMP ARROW LEFT 34	SMOKE 9 44	LAMP-60 54	BA(Z)AAR 64	LEFT TIGER LOOP 74	RIGHT TIGER LOOP 84
5 Red-Green J125-6 Q102	JEWEL 5 15	GEN(I)E 1 25	SMOKE 1 (BOTTOM) 35	SMOKE 10 45	SMOKE 4 55	BAZ(A)AR 65	ACTION 1 75	CAPTIVE BALL RIGHT 85
6 Red-Blue J125-7 Q106	JEWEL 6 16	GEN(E) 26	SMOKE 2 36	SMOKE 11 46	SMOKE 5 56	BAZA(A)R 66	WISH 1 76	ACTION 4 86
7 Red-Violet J125-8 Q101	JEWEL 7 (RIGHT) 17	MULTIBALL 27	SMOKE 3 37	SMOKE 12 47	SHOOT STAR RIGHT 57	BAZAA(R) 67	WISH 2 77	CAPTIVE BALL LEFT 87
8 Red-Grey J125-9 Q105	SHOOT AGAIN 18	OUTLANE SPECIAL 28	AMULET 38	SMOKE 13 48	SHOOT STAR LEFT 58	CENTER LOCK 68	WISH 3 78	START BUTTON 88

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	D1	White-Brown J208-1 U18-11	HAREM PASSAGE 11	SLAM TILT 21	TROUGH EJECT 31	RAMP MADE LEFT 41	LEFT SLING 51	LEFT STANDUPS 61	NOT USED 71	NOT USED 81	Black-Green J208-13 Lower Right Flipper E.O.S. F1
Orange-Red J205-2 CENTER COIN CHUTE U17-7	D2	White-Red J208-2 U18-9	VANISH TUNNEL 12	COIN DOOR CLOSED 22	TROUGH BALL 1 32	GENIE TARGET 42	RIGHT SLING 52	RIGHT STANDUPS 62	NOT USED 72	NOT USED 82	Blue-Violet J212-12 Lower Right Flipper Opto F2
Orange-Black J205-3 RIGHT COIN CHUTE U17-11	D3	White-Orange J208-3 U18-5	START BUTTON 13	GENIE STANDUP TARGET 23	TROUGH BALL 2 33	LEFT LOOP 43	LEFT JET 53	TOP SKILL 63	NOT USED 73	NOT USED 83	Black-Blue J208-12 Lower Left Flipper E.O.S. F3
Orange-Yellow J205-4 4 <sup>TH</sup> COIN CHUTE U17-9	D4	White-Yellow J208-4 U18-7	PLUMB BOB TILT 14	ALWAYS CLOSED 24	TROUGH BALL 3 34	INNER LOOP LEFT 44	RIGHT JET 54	MIDDLE SKILL 64	NOT USED 74	NOT USED 84	Blue-Gray J212-11 Lower Left Flipper Opto F4
Orange-Green J205-6 U16-9 Normal Function Srv Crdts	D5	White-Green J208-5 U19-11	RAMP ENTER 15	BAZAAR EJECT 25	TROUGH BALL 4 35	INNER LOOP RIGHT 45	MIDDLE JET 55	BOTTOM SKILL 65	NOT USED 75	NOT USED 85	Black-Violet J208-11 Upper Right Flipper E.O.S. F5
Orange-Blue J205-7 U16-11 Normal Function Volume Dn	D6	White-Blue J208-7 U19-9	LEFT OUTLANE 16	LEFT INLANE 26	LEFT CAGE OPTO 36	MINI STANDUPS 46	LAMP SPIN CCW 56	LOCK 1 (BOTTOM) 66	NOT USED 76	NOT USED 86	Black-Yellow J212-10 Upper Right Flipper Opto F6
Orange-Violet J205-8 U16-7 Normal Function Volume Up	D7	White-Violet J208-8 U19-5	RIGHT INLANE 17	RIGHT OUTLANE 27	RIGHT CAGE OPTO 37	RAMP MADE RIGHT 47	LAMP SPIN CW 57	LOCK 2 (MIDDLE) 67	NOT USED 77	NOT USED 87	Black-Gray J208-10 Upper Left Flipper E.O.S. F7
Orange-Grey J205-9 U16-5 Normal Function Begin Test	D8	White-Grey J208-9 U19-7	BALL SHOOTER 18	LEFT WIRE MAKE 28	LEFT EJECT 38	RIGHT CAPTIVE BALL 48	LEFT CAPTIVE BALL 58	LOCK 3 (TOP) 68	NOT USED 78	NOT USED 88	Black-Blue J212-9 Upper Left Flipper Opto F8

J2XX = CPU Board = OPTO, TYPICALLY CLOSED