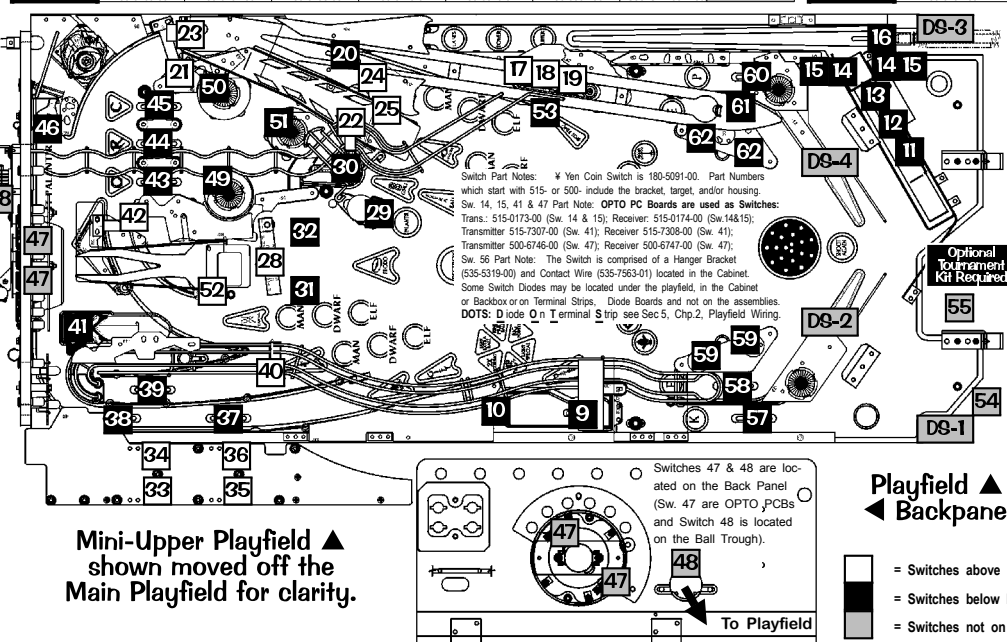




SWITCH MATRIX GRID, DEDICATED SWITCHES & LOCATIONS

Col/Row (Drive)	1: Q1	2: Q2	3: Q3	4: Q4	5: Q5	6: Q6	7: Q7	8: Q8	GROUND	GROUND
Row (Return)	GRN-BRN CN5-P1	GRN-RED CN5-P3	GRN-ORG CN5-P4	GRN-YEL CN5-P5	GRN-BLK CN5-P6	GRN-BLU CN5-P7	GRN-VIO CN5-P8	GRN-GRY CN5-P9	10: 1200 Inputs	BLK CN6-P1, -P11
1: U400	1 Cabinet Side	Below PIF	Above PIF	Above PIF	Mini-PF	Below PIF	Below PIF	Below PIF	1: U206	DS-1 On Cabinet Side
WHT-BRN CN7-P9	LT BUTTON (UK ONLY)	LEFT VUK	SWORD LOCK HIGH	RIGHT RAMP ENTER	MINI PF U.L.	TOP VUK	LEFT BUMPER	LEFT OUTLINE	GRY-BRN CN6-P2	#1 LEFT FLIPPER BUTTON
Sw. Part Number	180-5181-00	180-5116-01	180-5119-02	180-5101-01	180-5057-00	See Sw. 41 Note	180-5015-03	180-5181-00	Sw. Part Number	180-5181-00
2: U400	2 Coin Door	Below PIF	Above PIF	Above PIF	Mini-PF	Above PIF	Below PIF	Below PIF	2: U206	DS-2 Below Playfield
WHT-RED CN7-P8	4TH COIN SLOT	STANDUP	SWORD LOCK MID	NOT USED	MINI PF U.R.	INNER LOOP	RIGHT BUMPER	LEFT RETURN LANE	GRY-RED CN6-P3	#2 LEFT FLIPPER E.O.S (End-of-Stroke)
Sw. Part Number	180-5204-00	515-6027-08	180-5119-02	180-5119-02	180-5057-00	180-5190-28	180-5015-03	180-5044-00B	Sw. Part Number	180-5181-00
3: U400	3 Coin Door	Below PIF	Above PIF	Above PIF	Mini-PF	Below PIF	Below PIF	Below PIF	3: U206	DS-3 On Cabinet Side
WHT-ORG CN7-P7	6TH COIN SLOT	4-BALL TROUGH #1 (LEFT)	SWORD LOCK LOW	NOT USED	MINI PF L.L.	LEFT TOP LANE	BOTTOM BUMPER	LEFT SLINGSHOT	GRY-ORG CN6-P4	#3 RIGHT FLIPPER BUTTON
Sw. Part Number	180-5204-00	180-5119-02	180-5119-02	180-5119-02	180-5057-00	500-6227-02	180-5015-03	180-5044-00B	Sw. Part Number	180-5181-00
4: U400	4 Coin Door	Below PIF	Above PIF	Above PIF	Mini-PF	Below PIF	Below PIF	Below PIF	4: U206	DS-4 Below Playfield
WHT-BLU CN7-P6	RIGHT COIN SLOT	4-BALL TROUGH #2	RIGHT ORBIT LOW	BALROG HIT	MINI PF L.R.	MIDDLE TOP LANE	SPINNER	RIGHT OUTLINE	GRY-BLU CN6-P6	#4 FLIPPER E.O.S (End-of-Stroke)
Sw. Part Number	180-5204-00	500-6227-02	180-5119-02	180-5119-02	180-5057-00	500-6227-02	180-5190-28	500-6227-02	Sw. Part Number	180-5181-00
5: U401	5 Coin Door	Below PIF	Above PIF	Above PIF	Mini-PF	Below PIF	Below PIF	Below PIF	5: U206	DS-5 On Cabinet Side
WHT-GRN CN7-P5	CENTER COIN SLOT / DBA	4-BALL TROUGH #3	RIGHT ORBIT HI	PALANTIR	MINI PF L.R.	RIGHT TOP LANE	SPOT RING	RIGHT RETURN LANE	GRY-GRN CN6-P7	NOT USED
Sw. Part Number	180-5204-00	180-5119-02	180-5119-02	180-5119-02	180-5057-00	500-6227-02	180-5190-28	500-6227-02	Sw. Part Number	180-5181-00
6: U401	6 Coin Door	Below PIF	Above PIF	Above PIF	Mini-PF	Below PIF	Below PIF	Below PIF	6: U206	DS-6 On Coin Door
WHT-BLU CN7-P3	LEFT COIN SLOT	4-BALL TROUGH #4	RIGHT ORBIT HI	BALROG OPEN	MINI PF L.R.	TOP SAUCER	START BUTTON	RIGHT SLINGSHOT	GRY-BLU CN6-P8	#6 VOLUME (RED BUTTON) (In Test: LEFT)
Sw. Part Number	180-5204-00	500-6227-02	180-5119-02	180-5119-02	180-5057-00	500-6227-02	180-5174-00	180-5054-00 (x2)	Sw. Part Number	180-5181-00
7: U401	7 Coin Door	Below PIF	Above PIF	Above PIF	Mini-PF	Below PIF	Below PIF	Below PIF	7: U206	DS-7 On Coin Door
WHT-VIO CN7-P2	5TH COIN SLOT	4-BALL STACKING OPTO	RIGHT RAMP TARGET	BALROG OPEN	MINI PF L.R.	RAMP ENTER	TOURNAMENT START	NOT USED	GRY-VIO CN6-P9	#7 SERV. CRED. (GREEN BUTTON) (In Test: RIGHT)
Sw. Part Number	180-5204-00	See Sw. 15 Note	515-6027-08	180-5119-02	180-5057-00	500-6227-02	180-5174-00	180-5181-00	Sw. Part Number	180-5181-00
8: U401	8 Cabinet Side	Below PIF	Above PIF	Above PIF	Mini-PF	Below PIF	Below PIF	Below PIF	8: U206	DS-8 On Coin Door
WHT-GRY CN7-P1	RT BUTTON (UK ONLY)	SHOOTER LANE	RIGHT RAMP MADE	BALROG CLOSED	MINI PF L.R.	BACK TROUGH	PLUMB BOB TILT	NOT USED	GRY-BLK CN6-P10	#8 BEGIN TEST (BLACK BUTTON) (In Test: ENTER)
Sw. Part Number	180-5181-00	180-5157-00	180-5199-00	180-5119-02	180-5057-00	180-5010-01	See Sw. 56 Note	180-5192-00	Sw. Part Number	180-5181-00



COILS DETAILED CHART TABLE

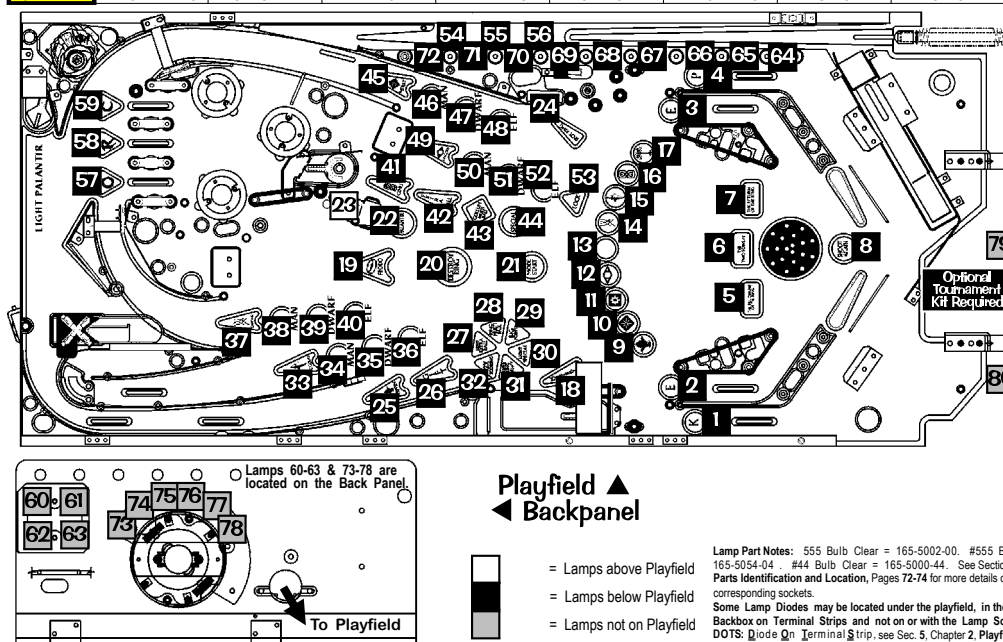
High Current Coils Group 1			
#	Drive Transistor	Driver Output Board	Coil GA-Turn or Bulb Type
#1	Q1	YEL-VIO	J10-P4/5
#2	Q2	YEL-VIO	J10-P4/5
#3	Q3	YEL-VIO	J10-P4/5
#4	Q4	YEL-VIO	J10-P4/5
#5	Q5	YEL-VIO	J10-P4/5
#6	Q6	VIO-YEL	J10-P3
#7	Q7	YEL-VIO	J10-P4/5
#8	Q8	GRY-YEL-3A Fuse-YEL-VIO	J10-P1/2
High Current Coils Group 2			
#	Drive Transistor	Driver Output Board	Coil GA-Turn or Bulb Type
#9	Q9	YEL-VIO	J10-P4/5
#10	Q10	YEL-VIO	J10-P4/5
#11	Q11	YEL-VIO	J10-P4/5
#12	Q12		
#13	Q13	BRN	J7-P1
#14	Q14	ORG	J6-P10
#15	Q15	GRY-YEL-3A Fuse-RED-YEL	J10-P1/2
#16	Q16	BLU-YEL-3A Fuse-RED-YEL	J10-P1/2
Low Current Coils Group 1			
#	Drive Transistor	Driver Output Board	Coil GA-Turn or Bulb Type
#17	Q17	BRN	J7-P1
#18	Q18	BRN	J7-P1
#19	Q19	BRN	J7-P1
#20	Q20	BRN	J7-P1
#21	Q21	BRN	J7-P1
#22	Q22	BRN	J7-P1
#23	Q23	ORG	J6-P10
#24	Q24	RED	J16-P7
Low Current Coils Group 2			
#	Drive Transistor	Driver Output Board	Coil GA-Turn or Bulb Type
#25	Q25	ORG	J6-P10
#26	Q26	ORG	J6-P10
#27	Q27	ORG	J6-P10
#28	Q28		
#29	Q29	ORG	J6-P10
#30	Q30	ORG	J6-P10
#31	Q31	ORG	J6-P10
#32	Q32	ORG	J6-P10
Auxiliary (UK ONLY)			
AUX	Drive Transistor	Driver Output Board	Coil GA-Turn or Bulb Type
AUX 1: LEFT UP/DOWN POST	Q1	UK 3X Trans. Driver Board	BRN J7-P1
AUX 2: CENTER UP/DOWN POST	Q2	UK 3X Trans. Driver Board	BRN J7-P1
AUX 3: RIGHT UP/DOWN POST	Q3	UK 3X Trans. Driver Board	BRN J7-P1

Coil Note: U: Either -00B or -00T can be used for coil replacements. B/T listed is preferable for easier diode access & may differ on game.



LAMP MATRIX GRID & LOCATIONS

Col/Row (Bulb)	1: U17	2: U16	3: U15	4: U14	5: U13	6: U12	7: U11	8: U10
Row (Ground)	YEL-BRN J13-P9	YEL-RED J13-P8	YEL-ORG J13-P7	YEL-BLK J13-P6	YEL-GRN J13-P5	YEL-BLU J13-P4	YEL-VIO J13-P3	YEL-GRY J13-P2
1: Q33	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb
RED-BRN J12-P1	(K) EEP	K (E) EP	KE (E) P	KEE (P)	THE FELLOWSHIP OF THE RING	THE TWO TOWERS	THE RETURN OF THE KING	SHOOT AGAIN
2: Q34	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb
RED-BLK J12-P2	PIPPIN	MERRY	SAM	ARAGORN	FRODO	GANDALF	LEGOLAS	GIMLI
3: Q35	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb
RED-ORG J12-P3	BOROMIR	MYSTERY	FRODO ARROW	DESTROY RING	MODE START	PALANTIR	PALANTIR GLOBE	SPOT RING
4: Q36	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb
RED-YEL J12-P4	PIPPIN ARROW	GIFT OF THE ELVES	LIGHT EXTRA BALL	RING MULTIBALL	BIG POINTS	LIGHT SPECIAL	SUPER RING FRENZY	2X SCORING
5: Q37	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb
RED-GRN J12-P5	LEGOLAS ARROW	L RAMP MAN RING	L RAMP DWARF RING	L RAMP ELF RING	GANDALF ARROW	C LOOP MAN RING	C LOOP DWARF RING	C LOOP ELF RING
6: Q38	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb
RED-BLU J12-P6	GIMLI ARROW	EXTRA BALL	GOLLUM MULTIBALL	SPECIAL	MERRY ARROW	R ORBIT MAN RING	R ORBIT DWARF RING	R ORBIT ELF RING
7: Q39	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb
RED-VIO J12-P8	ARAGORN ARROW	R RAMP MAN RING	R RAMP DWARF RING	R RAMP ELF RING	LOCK	LANES	TOWER	FLIPPER
8: Q40	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb	#555 Bulb
RED-GRY J12-P9	(O) RC	O (R) C	OR (C)	POTD U.L.	POTD U.L.	POTD U.L.	POTD U.L.	SHOOTER LANE #1 BOT
9: Q41	#44 Bulb	#44 Bulb	#44 Bulb	#44 Bulb	#44 Bulb	#44 Bulb	#44 Bulb	#44 Bulb
RED-WHT J12-P10	SHOOTER LANE #2	SHOOTER LANE #3	SHOOTER LANE #4	SHOOTER LANE #5	SHOOTER LANE #6	SHOOTER LANE #7	SHOOTER LANE #8	SHOOTER LANE #9 TOP
10: Q42	#44 Bulb	#44 Bulb	#44 Bulb	#44 Bulb	#44 Bulb	#44 Bulb	#44 Bulb	#44 Bulb
RED J12-P11	ESCAPE THE RINGWRAITHS	GANDALF VS SARUMAN	WARG ATTACK	WAR OF THE ENTS	BATTLE WITH SHELOB	DESTROY THE WITCH-KING	TOURNAMENT BUTTON	START BUTTON



THE LORD OF THE RINGS

Switch Matrix, Coils Detailed Chart Table, Lamp Matrix, Playfield Maps, Switch, Coil & Lamp Wiring & Schematics, and Bulb Types

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