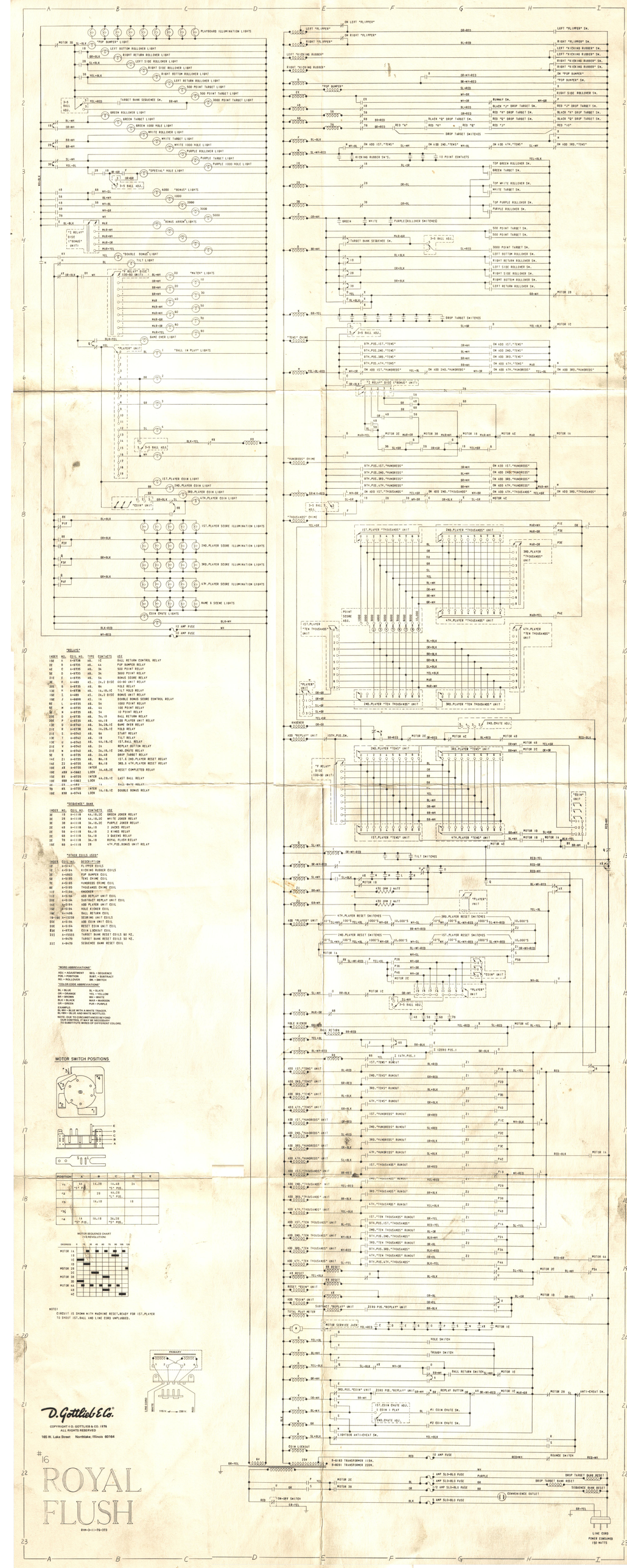

"RELAYS"

INDEX NO.	COIL NO.	TYPE	CONTACTS	USE
10E	A	A-9738	6B, 1C	BALL RETURN CONTROL RELAY
2E	B	A-9735	6B, 4A	POP BUMPER RELAY
4E	C	A-9735	6B, 3A	500 POINT RELAY
5E	D	A-9735	6B, 3A	3000 POINT RELAY
11E	E	A-9735	6B, 5A	BONUS SCORE RELAY
9C	F	A-469	4S, 2A,2 DISC	GO-NO UNIT RELAY
20E	G	A-9735	6B, 6A	HOLE RELAY
13E	H	A-9738	6B, 1A,1B,1C	TILT HOLD RELAY
14E	I	A-469	4S, 2A,2 DISC	BONUS UNIT RELAY
19E	J	A-6689	4S, 1A	DOUBLE BONUS SCORE CONTROL RELAY
6E	K	A-9735	6B, 5A	1000 POINT RELAY
6E	M	A-9735	6B, 4A	100 POINT RELAY
8E	N	A-9735	6B, 5A	10 POINT RELAY
20E	O	A-9735	6B, 7A,1B	BALL RETURN RELAY
20E	P	A-9735	6B, 4A,1B	ADD PLAYER UNIT RELAY
13E	Q	A-9740	6B, 3A,2B,1C	GAME OVER RELAY
21E	R	A-9738	6B, 1A,2B,1C	HOLD RELAY
21E	S	A-9740	6B, 6A	START RELAY
13E	T	A-9742	6B, 1B	TILT RELAY
13E	U	A-9740	6B, 4A,1B,1C	1ST.BALL RELAY
21E	V	A-9740	6B, 2A	REPLAY BUTTON RELAY
21E	W	A-9740	6B, 2A,1B,1C	2ND.CHUTE RELAY
5E	X	A-9735	6B, 2A,4B	DROP TARGET RELAY
14E	Z1	A-9735	6B, 8A,1B	1ST.& 2ND.PLAYER RESET RELAY
19E	Z2	A-9735	6B, 8A,1B	3RD.& 4TH.PLAYER RESET RELAY
19E	AX	A-9735	INTER	
19E	AXR	A-9862	LOCK	RESET COMPLETED RELAY
15E	BX	A-9735	INTER	4A,2B,1C LAST BALL RELAY
19E	BXR	A-9862	LOCK	
20	EX	A-469	1A	BALL GATE RELAY
7D	KR	A-9735	INTER	
19E	KRR	A-9746	LOCK	1A,1B,1C BONUS BOWL RELAY

"SEQUENCE" BANK

INDEX NO.	COIL NO.	CONTACTS	USE
3E	1B	A-1118	4A,1B,2C GREEN JOKER RELAY
3E	2B	A-1118	4A,1B,2C WHITE JOKER RELAY
3E	3B	A-1118	3A,1B,2C PURPLE JOKER RELAY
2E	4B	A-1118	6A,1B 2 JACKS RELAY
2E	5B	A-1118	6A,1B 2 KINGS RELAY
2E	6B	A-1118	5A,1B 3 QUEENS RELAY
2E	7B	A-1118	3A,1B ROYAL FLUSH RELAY
19E	8B	A-1118	2B 4TH.POS.BONUS UNIT RELAY

"OTHER COILS USED"

INDEX	COIL NO.	DESCRIPTION
1D	A-5141	FLIPPER COILS
1E	A-5194	KICKING RUBBER COILS
2D	A-4803	POP BUMPER COIL
5E	A-5195	TENS CHIME COIL
7E	A-5195	HUNDREDS CHIME COIL
8E	A-5195	THOUSANDS CHIME COIL
11E	A-5194	KNOCKER COIL
11D	A-5194	ADD REPLAY UNIT COIL
20E	A-5194	SUBTRACT REPLAY UNIT COIL
14E	A-5194	ADD PLAYER UNIT COIL
19E	A-5194	HOLE KICKER COIL
19E	A-1496	BALL RETURN COIL
19-13E	A-5230	SCORING UNIT COILS
20E	A-5194	ADD COIN UNIT COIL
20E	A-5194	RESET COIN UNIT COIL
8W	A-9736	COIN LOCKOUT COIL
22I	A-19555	TARGET BANK RESET COILS 60 HZ.
22I	A-9479	TARGET BANK RESET COILS 50 HZ.
22I	A-9479	SEQUENCE BANK RESET COIL

"WORD ABBREVIATIONS"

ADJ.= ADJUSTMENT
POS.= POSITION
ROL.= ROLLOVER

SEQ.= SEQUENCE
SUB.= SUBTRACT
SW.= SWITCH

"COLOR-CODE ABBREVIATIONS"

BL = BLUE
GR = GREEN
BR = BROWN
BLK = BLACK
GR = GREEN

BL-YL = SLATE
YEL = YELLOW
W = WHITE
MAR = MAROON
PUR = PURPLE

EXAMPLE:
BL-WH = BLUE WITH A WHITE TRACER.
BL-WH = BLUE AND WHITE MIXTURE.

NOTE: DUE TO CIRCUMSTANCES BEYOND OUR CONTROL IT MAY BE NECESSARY TO SUBSTITUTE WIRES OF DIFFERENT COLORS.

MOTOR SWITCH POSITIONS

POSITION	A	B	C	D	E
*1		1A,2B	1A,4B	2A	
	"1" POS.		"5" POS.		
*2		2B	4A,2B		
			"1" POS.		
*3		1A,1B		1B	
*4	1A	1A,1B	3A,2B		
	"5" POS.		"5" POS.		

MOTOR SEQUENCE CHART (1/3 REVOLUTION)

DEGREES	10	20	30	40	50	60	70	80	90	100	110
MOTOR 1A											
1B											
1C											
1D											
MOTOR 2B											
2C											
MOTOR 3B											
3D											
MOTOR 4A											
4B											
4C											

NOTE:
CIRCUIT IS SHOWN WITH MACHINE RESET, READY FOR 1ST.PLAYER TO SHOOT 1ST.BALL AND LINE CORD UNPLUGGED.

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185 W. Lake Street Northlake, Illinois 60164

#16
ROYAL FLUSH

RHH-3-11-76-333