

12 21 3-1040 18. 15.30 "M" RELAY
 13 22 3-1040 18. 15.30 "M" RELAY
 14 23 3-1040 18. 15.30 SEQUENCE COMPLETED RELAY
 15 24 3-1040 18. 15.30 BALL RATE RELAY

"MOTOR COILS"

INDEX	NO.	COIL NO.	CONTROLS	USE
12E	18	A-1118	15.1C	SHOOTER BONUS RELAY
13E	19	A-1118	15.1B	3RD PLAYER RELAY
14E	20	A-1118	15.1A	2ND PLAYER RELAY
15E	21	A-1118	15.2B	4TH PLAYER RELAY
16E	22	A-1118	15.1C	1ST BALL RELAY
17E	23	A-1118	15.2A	REAR OVER RELAY
18E	24	A-1118	15.1B	LEFT BALL RELAY
19E	25	A-1118	15.2B	RESET CONTROL RELAY
20E	26	A-1118	15.1C	RESET CONTROL SWITCHES

"MOTOR COILS VIEW"

INDEX	COIL NO.	DESCRIPTION
1E	A-5141	TEMPER COILS
2E	A-5194	RICKING RUBBER COILS
3E	A-1302	POP BUMPER COILS
4E	A-1302E	CHIME COILS
5E	A-1456	ADD BONUS UNIT COIL
6E	A-5194	SUBTRACT BONUS UNIT COIL
7E	A-1456	ADD REPLAY UNIT COIL
8E	A-5194	SUBTRACT REPLAY UNIT COIL
9E	A-1456	SCORE UNIT COILS
10E	A-1456	BALL SHOOTER COILS
11E	A-1456	ADD PLAYER UNIT COIL
12E	A-1456	BALL RETURN COIL
13E	A-1456	HOLE KICKER COIL
14E	A-5194	EXCESSOR COIL
15E	A-1456	COIN LOCKOUT COIL
16E	A-1456	CONTROL BARR RESET COIL

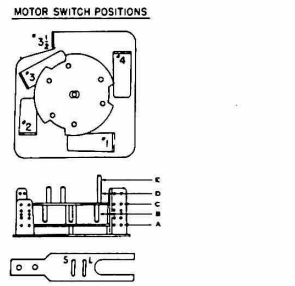
"WORD ABBREVIATIONS"

R.O. = ROLLOVER
 POS. = POSITION
 SW. = SWITCH
 SUBT. = SUBTRACT
 ADJ. = ADJUSTABLE
 BRG. = BRANCH
 SEQ. = SEQUENCE

"COLOR CODE ABBREVIATIONS"

BL = BLUE SL = SLATE
 BR = BROWN YEL = YELLOW
 BK = BLACK WH = WHITE
 GR = GREEN MAR = MAROON
 OR = ORANGE PUR = PURPLE

EXAMPLE
 BL-WH = BLUE WITH A WHITE TRACER.
 BL & WH = BLUE AND WHITE HOTTLED.

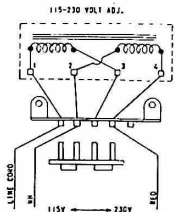


MOTOR SEQUENCE CHART

0 15 30 45 60 75 90 105 120 DEGREES

MOTOR	1A	1B	1C	1D	2B	2C	2D	3A	3B	3C	3D	4A	4B	4C
1A														
1B														
1C														
1D														
2B														
2C														
2D														
3A														
3B														
3C														
3D														
4A														
4B														
4C														

NOTES:
 CIRCUIT IS SHOWN WITH MACHINE RESET. READY FOR 1ST. PLAYER TO SHOOT 1ST BALL AND LINE COIN UNPLUGGED.
 DUE TO CIRCUMSTANCES BEYOND OUR CONTROL IT MAY BE NECESSARY TO SUBSTITUTE WIRES OF DIFFERENT COLORS.



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