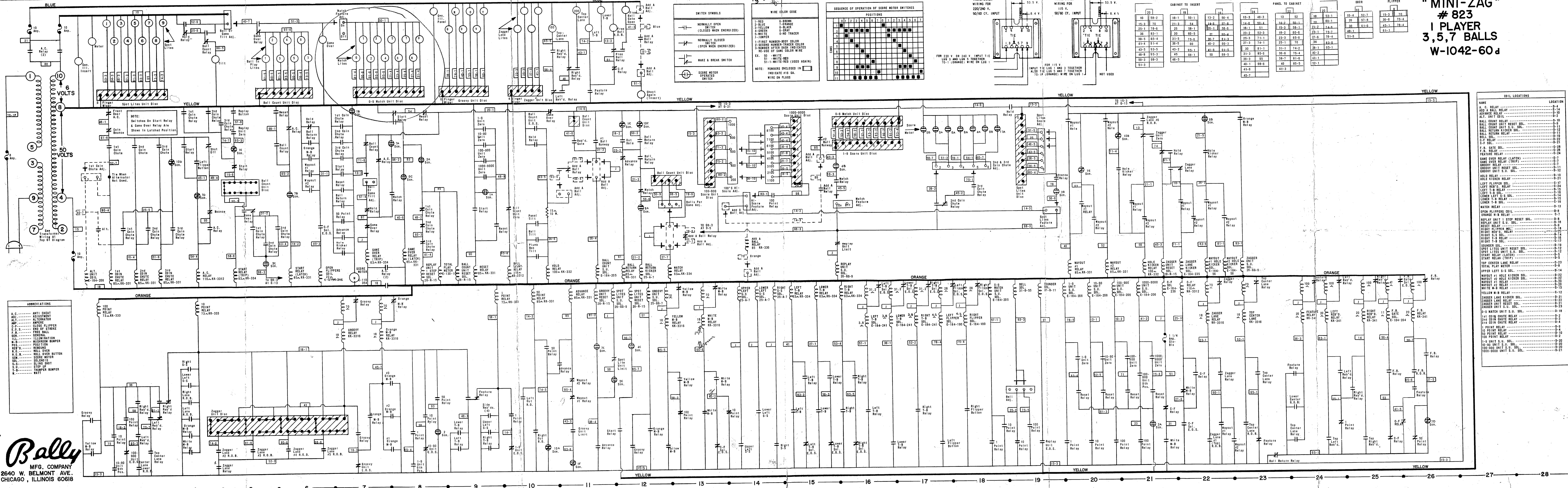


Bally
MFG. COMPANY
2640 W. BELMONT AVE.
CHICAGO, ILLINOIS 60618

ABBREVIATIONS
A.C. - ALTERNATING CURRENT
A.D. - ADJUSTMENT
A.L. - ALTERNATOR
AMP. - AMPERE
C.F. - CLOSE FLIPPER
E.O.S. - END OF STROKE
F.B. - FREE BALL
GEN. - GENERAL
ILL. - ILLUMINATION
M.B. - MUSHROOM BUMPER
P.O. - POSITION
R.O.B. - ROLL OVER BUTTON
R.O. - ROLL OVER
SOL. - SOLENOID
S.S. - SLING SHOT
S.U. - STEP UP
T.B. - THUMPER BUMPER
W. - WATT



SWITCH SYMBOLS

- NORMALLY OPEN SWITCH (CLOSED WHEN ENERGIZED)
- NORMALLY CLOSED SWITCH (OPEN WHEN ENERGIZED)
- MAKE A BREAK SWITCH
- SCORE MOTOR OPERATED SWITCH

WIRE COLOR CODE

- 1-BLUE
- 2-BLUE
- 3-YELLOW
- 4-ORANGE
- 5-BLACK
- 6-GRAY
- 7-WHITE
- 8-BROWN
- 9-RED
- 10-NO TRACER
- 11-JUMPER

SEQUENCE OF OPERATION OF SCORE MOTOR SWITCHES

POSITIONS

POSITION	1	2	3	4	5	6	7	8	9	10	11
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											

TRANSFORMER WIRING FOR 220/240 V. 50/60 CY. INPUT

FOR 220 V. OR 240 V. INPUT TIE LUG 2 AND LUG 5 TOGETHER. ALSO TIE LUG 3 AND 7 TOGETHER. 70-1 (ORANGE) WIRE ON LUG 1.

TRANSFORMER WIRING FOR 115 V. 50/60 CY. INPUT

FOR 115 V. INPUT TIE LUG 1 AND 3 TOGETHER. ALSO TIE LUG 5 AND 7 TOGETHER. 70-1 (ORANGE) WIRE ON LUG 1.

"MINI-ZAG"
823
1 PLAYER
3,5,7 BALLS
W-1042-60

NAME	LOCATION
A.C. RELAY	C-4
ADVANCE RELAY	C-14
ACT. UNIT COIL	C-9
BALL COUNT RELAY	C-10
BALL COUNT KICKER SOL.	C-11
BALL COUNT UNIT S.U. SOL.	C-12
BALL RETURN RELAY	C-13
BALL RETURN KICKER SOL.	C-14
C-S RELAY	C-22
C-S SOL.	C-23
F.B. GATE SOL.	C-24
F.B. RELAY	C-25
FEATURE RELAY	C-26
GAME OVER RELAY (LATCH)	C-27
GAME OVER RELAY (TRIP)	C-28
GROOVY RELAY	C-29
GROOVY UNIT S.U. SOL.	C-30
HOLD RELAY	C-31
HOLE KICKER RELAY	C-32
LEFT FLIPPER SOL.	C-33
LEFT RELAY	C-34
LEFT T-B RELAY	C-35
LOWER LEFT S-S SOL.	C-36
LOWER T-B RELAY	C-37
LOWER T-B SOL.	C-38
MATCH RELAY	C-39
OPEN FLIPPERS COIL	C-40
ORANGE M-B RELAY	C-41
REPLAY UNIT S-S SOL.	C-42
REPLAY UNIT S.U. SOL.	C-43
RESET RELAY	C-44
RIGHT FLIPPER SOL.	C-45
RIGHT RELAY	C-46
RIGHT T-B RELAY	C-47
RIGHT T-B SOL.	C-48
SHOOTER SOL.	C-49
SPOT LITES UNIT RESET SOL.	C-50
SPOT LITES UNIT S.U. SOL.	C-51
START RELAY (LATCH)	C-52
START RELAY (TRIP)	C-53
TOTAL PLAY METER	C-54
UPPER LEFT S-S SOL.	C-55
UPPER LEFT S.U. SOL.	C-56
UPPER LEFT RELAY	C-57
UPPER LEFT T-B RELAY	C-58
UPPER LEFT T-B SOL.	C-59
UPPER LEFT RELAY	C-60
UPPER LEFT RELAY	C-61
UPPER LEFT RELAY	C-62
UPPER LEFT RELAY	C-63
UPPER LEFT RELAY	C-64
UPPER LEFT RELAY	C-65
UPPER LEFT RELAY	C-66
UPPER LEFT RELAY	C-67
UPPER LEFT RELAY	C-68
UPPER LEFT RELAY	C-69
UPPER LEFT RELAY	C-70
UPPER LEFT RELAY	C-71
UPPER LEFT RELAY	C-72
UPPER LEFT RELAY	C-73
UPPER LEFT RELAY	C-74
UPPER LEFT RELAY	C-75
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UPPER LEFT RELAY	C-77
UPPER LEFT RELAY	C-78
UPPER LEFT RELAY	C-79
UPPER LEFT RELAY	C-80
UPPER LEFT RELAY	C-81
UPPER LEFT RELAY	C-82
UPPER LEFT RELAY	C-83
UPPER LEFT RELAY	C-84
UPPER LEFT RELAY	C-85
UPPER LEFT RELAY	C-86
UPPER LEFT RELAY	C-87
UPPER LEFT RELAY	C-88
UPPER LEFT RELAY	C-89
UPPER LEFT RELAY	C-90
UPPER LEFT RELAY	C-91
UPPER LEFT RELAY	C-92
UPPER LEFT RELAY	C-93
UPPER LEFT RELAY	C-94
UPPER LEFT RELAY	C-95
UPPER LEFT RELAY	C-96
UPPER LEFT RELAY	C-97
UPPER LEFT RELAY	C-98
UPPER LEFT RELAY	C-99
UPPER LEFT RELAY	C-100