

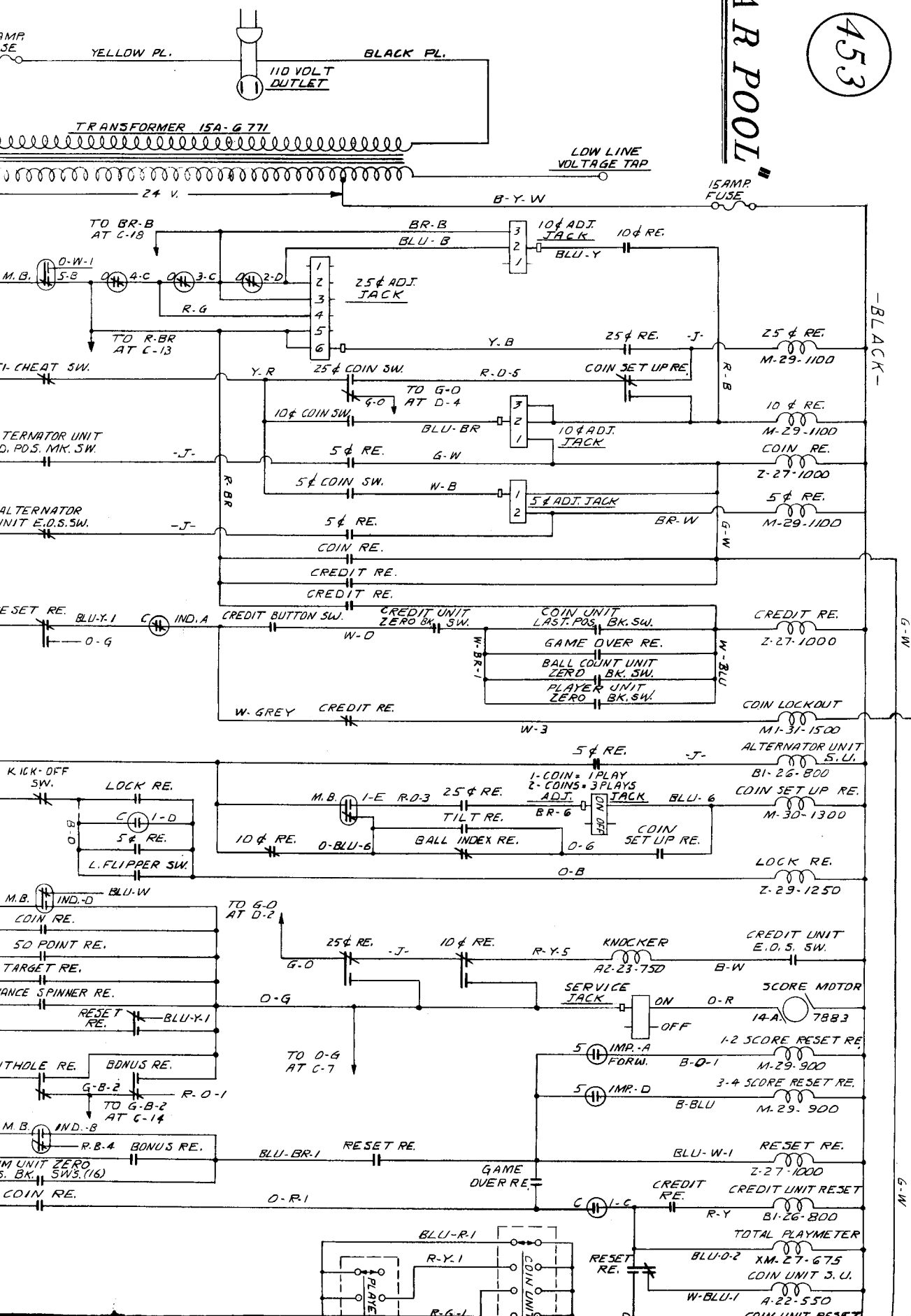
A DIVISION OF THE SEEBURG CORP.
OF DELAWARE

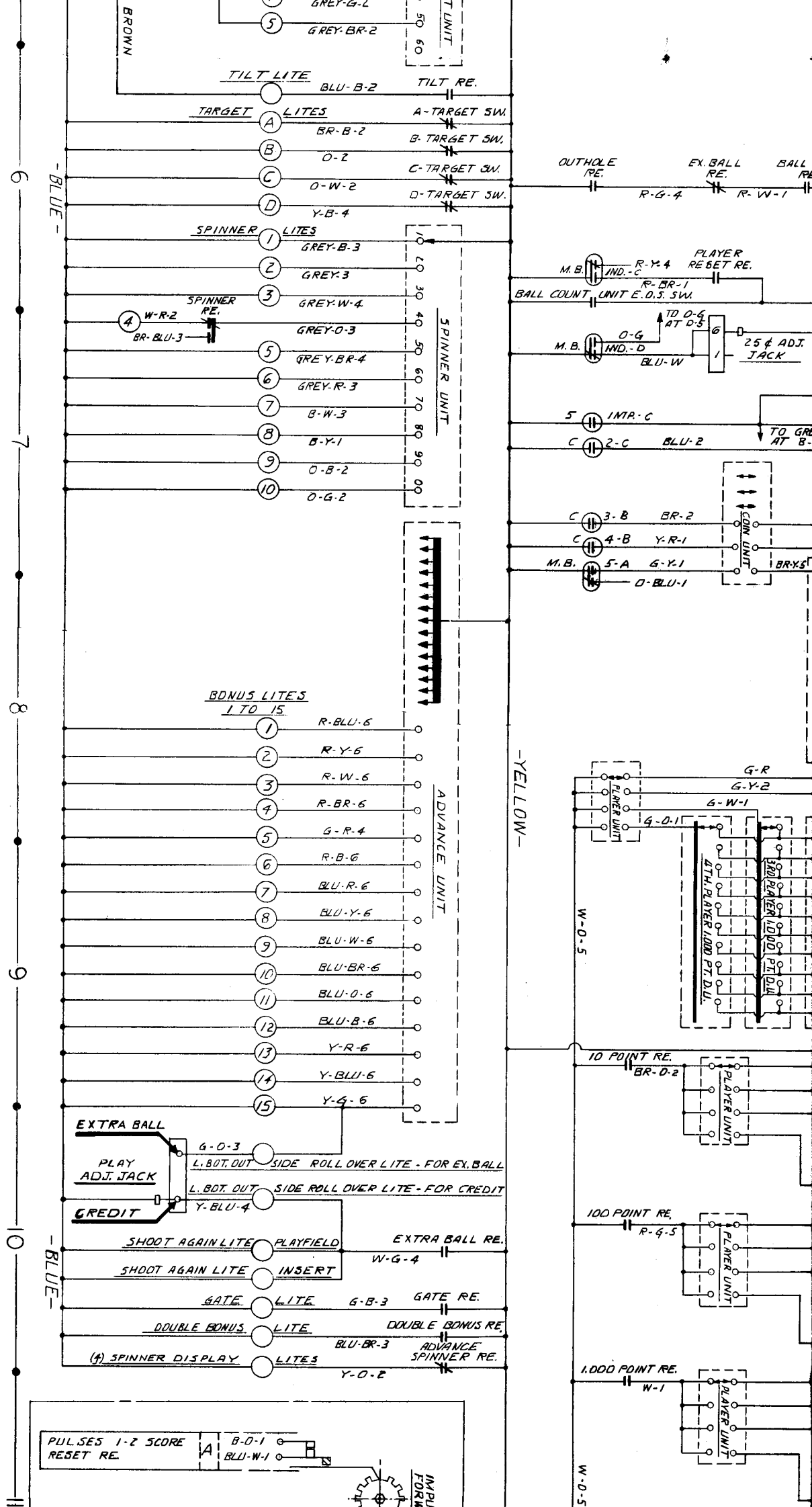
WILLIAMS ELECTRONICS

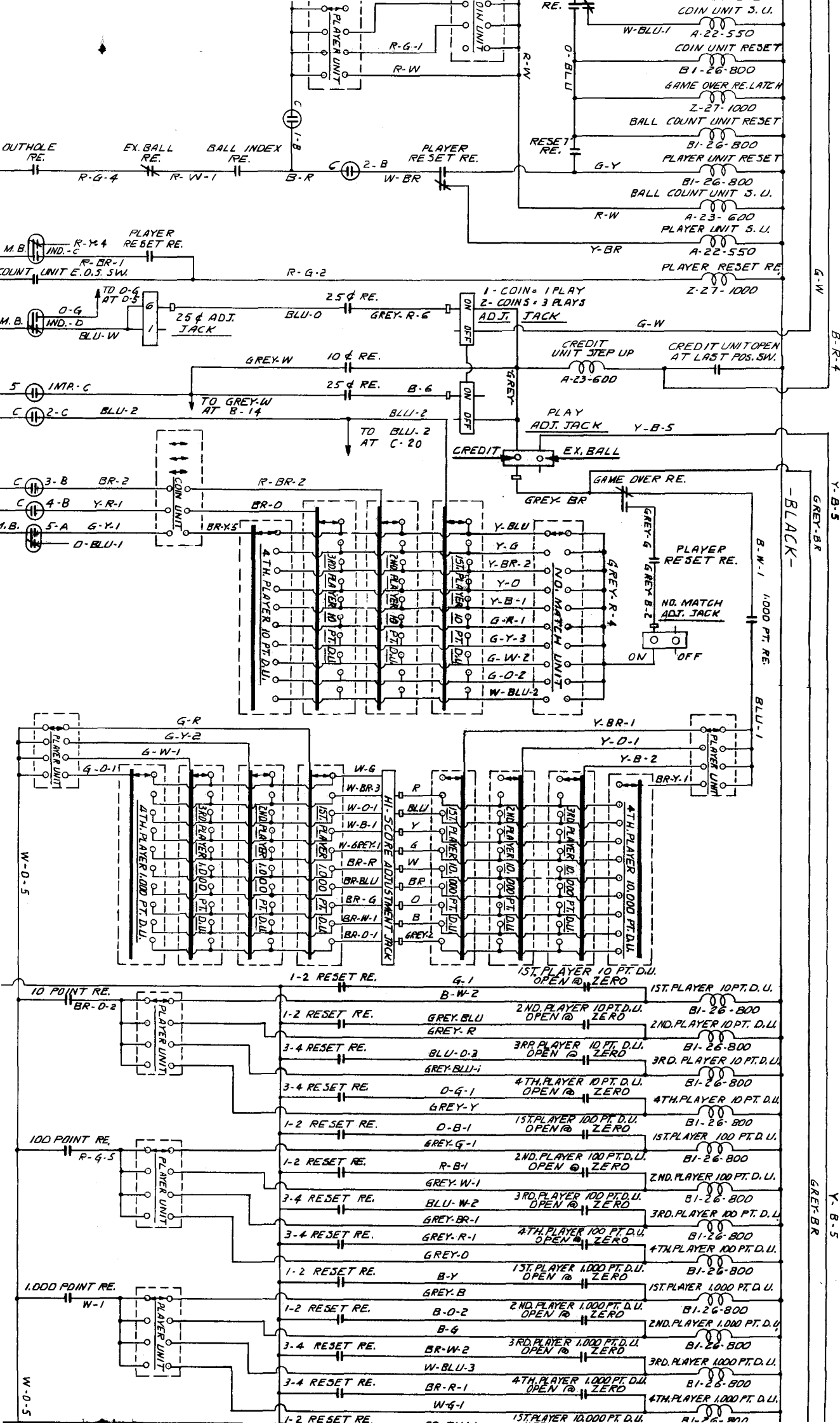
A DIVISION OF THE SEEBURG CORP.
OF DELAWARE
3401 N. CALIFORNIA AVE.,
CHICAGO, ILLINOIS-60618
1974 BY:S.K.E.T.B.O.A.V.

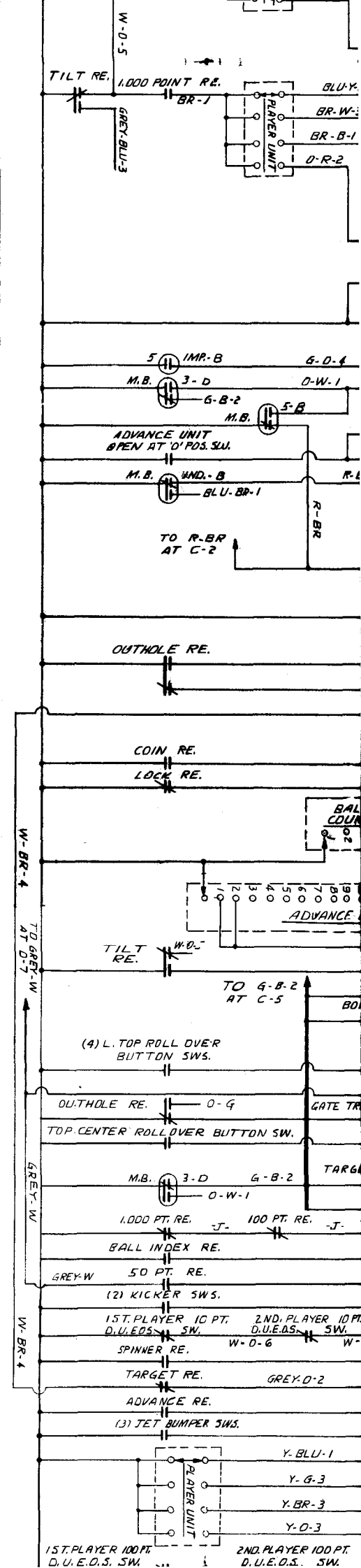
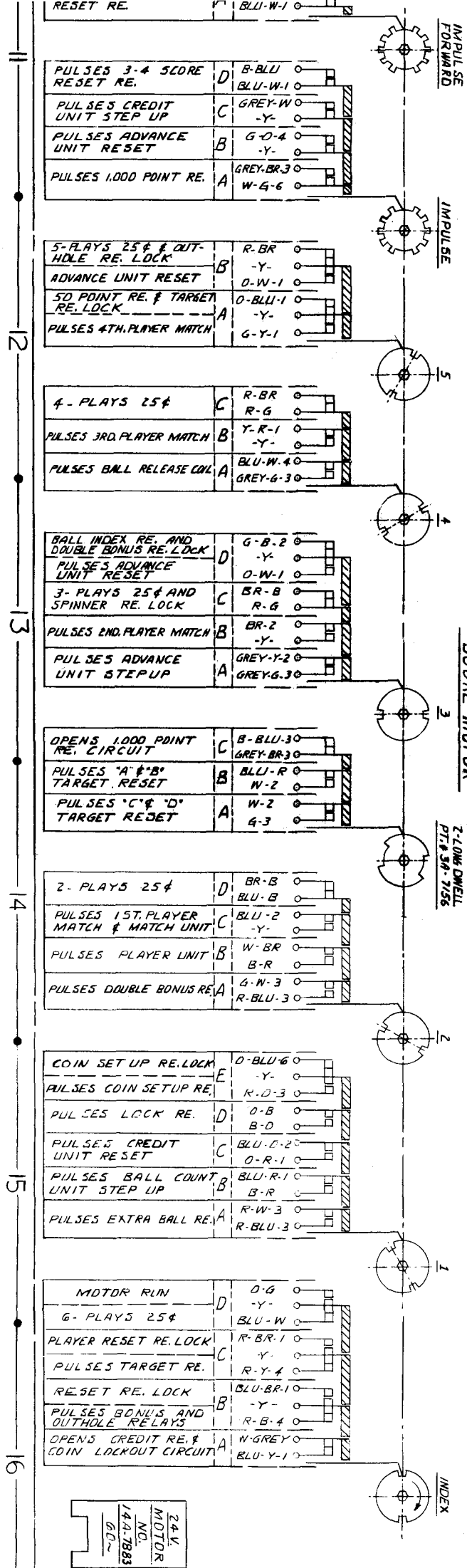
LOCK RE. BLUE-Y-W 15 AMP FUSE -BLUE-
LOCK RE. BR-Y-W-1 15 AMP FUSE
CREDIT UNIT OPEN AT ZERO POS. SW. GREY-Y-3 CREDIT LITE
INSERT DISPLAY LITES PLAYFIELD DISPLAY LITES ANTI-CHEAT SW.
GAME OVER RE. BLU-Y-3 1ST PL. BLU-W-3 2ND PL. BLU-BR-2 3RD PL. BLU-O-4 4TH PL. BLU-B-1 GAME OVER LITE
NO. MATCH ADJ. JACK ON OFF NO. MATCH UNIT
B-D-4 W-GREY-3 W-B-3 W-O-3 W-BR-5 W-G-3
GREY-W-3 1 CAN PLAY LITE Y-G-1 2 CAN PLAY LITE O-W 3 CAN PLAY LITE O-R-3 4 CAN PLAY LITE
BALL IN PLAY LITES BALL COUNT UNIT
1 W-B-5 2 B-Y-6 3 GREY-Y-1 4 GREY-G-2 5 GREY-BR-2
RED PL. 10AMP FUSE YELLOW PL. PURPLE PL. TRANSFORMER 15A-G 771
G-Y-W 6 V. 24 V. YELLOW- M.B. D-W-1 S-B 4-C 3-C 2-C R-G TO BR-B AT C-18 TO R-BR AT C-13
ALTERNATOR UNIT 2ND. POS. MK. SW. -J- ALTERNATOR UNIT E.O.S.W. -J- RESET RE. BLU-Y-1 IND-A CREDIT A W. GR
KICK-OFF SW. LOCK RE. C-1-D 5¢ RE. L.FLIPPER SW. 10¢ TO G-O AT D-2
M.B. IND-D BLU-W COIN RE. 50 POINT RE. TARGET RE. ADVANCE SPINNER RE. RESET RE. BLU-Y-1 OUTHOLE RE. BONUS RE. G-B-2 R-O-1 TO G-B-2 AT C-14 M.B. IND-B R-B-4 BONUS RE. DRUM UNIT ZERO POS. BK. SW.(16) COIN RE.

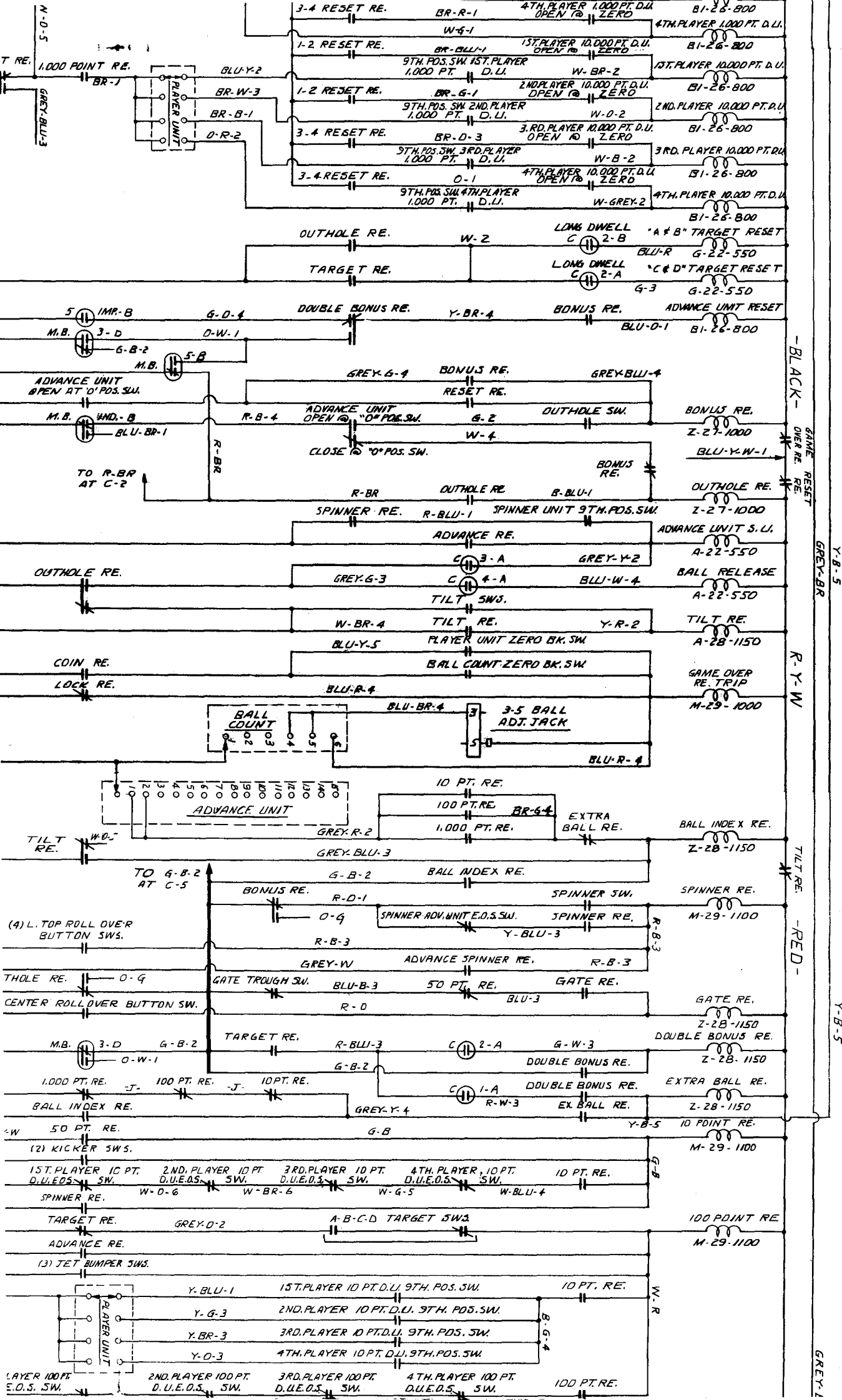
(453)











-BLACK-
GAME RESET
OVER RE. RE.

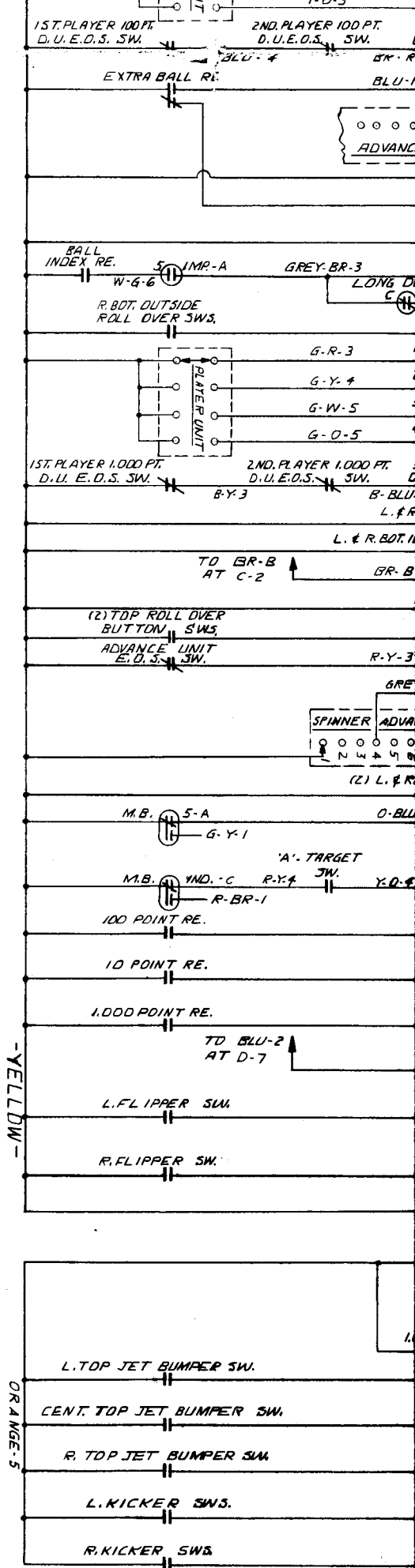
Y-B-5
GREY-BR

R-Y-W

TILT RE. -RED-

Y-B-5

GREY-1



SWITCH SYMBOLS

- NORMALLY OPEN SWITCH
MAKES WHEN ACTUATED.
- NORMALLY CLOSED SWITCH
OPENS WHEN ACTUATED.
- MAKE BREAK SWITCH.

CIRCLE INDICATES
SWITCH ACTUATED BY
A MOTOR CAM

WIRE COLOR CODE	
RED	BROWN
BLUE	ORANGE
YELLOW	BLACK
GREEN	GREY
WHITE	W

SCORE MOTOR	140-7883	60~
SCORE MOTOR	140-7884	50~
TRANSFORMER	150-6771	60~
TRANSFORMER	150-6782-1	50~

EXAMPLE: W-R INDICATES WHITE WIRE
WITH A RED TRACER.
W-R-1 INDICATES WHITE WIRE
WITH A RED TRACER AND
USED A SECOND TIME.

COIL LOCATION

A & B TARGET RESET	F-12	R TOP JET BUMPER	F-21
ADVANCE UNIT RESET	F-12	2ND. PLAYER 10 POINT D.U.	F-9
ADVANCE UNIT STEP UP	F-13	2ND. PLAYER 100 POINT D.U.	F-10
ALTERNATOR UNIT STEP UP	F-14	2ND. PLAYER 1,000 POINT D.U.	F-11
BALL COUNT UNIT RESET	F-15	2ND. PLAYER 10,000 POINT D.U.	F-12
BALL COUNT UNIT STEP UP	F-16	2ND. PLAYER 100,000 POINT D.U.	F-13
BALL RELEASE	F-17	2ND. PLAYER 1,000,000 POINT D.U.	F-14
CREDIT UNIT RESET	F-18	2ND. PLAYER 10,000,000 POINT D.U.	F-15
CREDIT UNIT STEP UP	F-19	2ND. PLAYER 100,000,000 POINT D.U.	F-16
CREDIT UNIT STEP UP	F-20	2ND. PLAYER 1,000,000,000 POINT D.U.	F-17
CREDIT UNIT STEP UP	F-21	2ND. PLAYER 10,000,000,000 POINT D.U.	F-18
CREDIT UNIT STEP UP	F-22	2ND. PLAYER 100,000,000,000 POINT D.U.	F-19
CREDIT UNIT STEP UP	F-23	2ND. PLAYER 1,000,000,000,000 POINT D.U.	F-20
CREDIT UNIT STEP UP	F-24	2ND. PLAYER 10,000,000,000,000 POINT D.U.	F-21
CREDIT UNIT STEP UP	F-25	2ND. PLAYER 100,000,000,000,000 POINT D.U.	F-22
CREDIT UNIT STEP UP	F-26	2ND. PLAYER 1,000,000,000,000,000 POINT D.U.	F-23
CREDIT UNIT STEP UP	F-27	2ND. PLAYER 10,000,000,000,000,000 POINT D.U.	F-24
CREDIT UNIT STEP UP	F-28	2ND. PLAYER 100,000,000,000,000,000 POINT D.U.	F-25
CREDIT UNIT STEP UP	F-29	2ND. PLAYER 1,000,000,000,000,000,000 POINT D.U.	F-26
CREDIT UNIT STEP UP	F-30	2ND. PLAYER 10,000,000,000,000,000,000 POINT D.U.	F-27
CREDIT UNIT STEP UP	F-31	2ND. PLAYER 100,000,000,000,000,000,000 POINT D.U.	F-28
CREDIT UNIT STEP UP	F-32	2ND. PLAYER 1,000,000,000,000,000,000,000 POINT D.U.	F-29
CREDIT UNIT STEP UP	F-33	2ND. PLAYER 10,000,000,000,000,000,000,000 POINT D.U.	F-30
CREDIT UNIT STEP UP	F-34	2ND. PLAYER 100,000,000,000,000,000,000,000 POINT D.U.	F-31
CREDIT UNIT STEP UP	F-35	2ND. PLAYER 1,000,000,000,000,000,000,000,000 POINT D.U.	F-32
CREDIT UNIT STEP UP	F-36	2ND. PLAYER 10,000,000,000,000,000,000,000,000 POINT D.U.	F-33
CREDIT UNIT STEP UP	F-37	2ND. PLAYER 100,000,000,000,000,000,000,000,000 POINT D.U.	F-34
CREDIT UNIT STEP UP	F-38	2ND. PLAYER 1,000,000,000,000,000,000,000,000,000 POINT D.U.	F-35
CREDIT UNIT STEP UP	F-39	2ND. PLAYER 10,000,000,000,000,000,000,000,000,000 POINT D.U.	F-36
CREDIT UNIT STEP UP	F-40	2ND. PLAYER 100,000,000,000,000,000,000,000,000,000 POINT D.U.	F-37
CREDIT UNIT STEP UP	F-41	2ND. PLAYER 1,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-38
CREDIT UNIT STEP UP	F-42	2ND. PLAYER 10,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-39
CREDIT UNIT STEP UP	F-43	2ND. PLAYER 100,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-40
CREDIT UNIT STEP UP	F-44	2ND. PLAYER 1,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-41
CREDIT UNIT STEP UP	F-45	2ND. PLAYER 10,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-42
CREDIT UNIT STEP UP	F-46	2ND. PLAYER 100,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-43
CREDIT UNIT STEP UP	F-47	2ND. PLAYER 1,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-44
CREDIT UNIT STEP UP	F-48	2ND. PLAYER 10,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-45
CREDIT UNIT STEP UP	F-49	2ND. PLAYER 100,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-46
CREDIT UNIT STEP UP	F-50	2ND. PLAYER 1,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-47
CREDIT UNIT STEP UP	F-51	2ND. PLAYER 10,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-48
CREDIT UNIT STEP UP	F-52	2ND. PLAYER 100,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-49
CREDIT UNIT STEP UP	F-53	2ND. PLAYER 1,000,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-50
CREDIT UNIT STEP UP	F-54	2ND. PLAYER 10,000,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-51
CREDIT UNIT STEP UP	F-55	2ND. PLAYER 100,000,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-52
CREDIT UNIT STEP UP	F-56	2ND. PLAYER 1,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-53
CREDIT UNIT STEP UP	F-57	2ND. PLAYER 10,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-54
CREDIT UNIT STEP UP	F-58	2ND. PLAYER 100,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-55
CREDIT UNIT STEP UP	F-59	2ND. PLAYER 1,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-56
CREDIT UNIT STEP UP	F-60	2ND. PLAYER 10,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-57
CREDIT UNIT STEP UP	F-61	2ND. PLAYER 100,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-58
CREDIT UNIT STEP UP	F-62	2ND. PLAYER 1,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-59
CREDIT UNIT STEP UP	F-63	2ND. PLAYER 10,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-60
CREDIT UNIT STEP UP	F-64	2ND. PLAYER 100,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-61
CREDIT UNIT STEP UP	F-65	2ND. PLAYER 1,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-62
CREDIT UNIT STEP UP	F-66	2ND. PLAYER 10,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-63
CREDIT UNIT STEP UP	F-67	2ND. PLAYER 100,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-64
CREDIT UNIT STEP UP	F-68	2ND. PLAYER 1,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-65
CREDIT UNIT STEP UP	F-69	2ND. PLAYER 10,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-66
CREDIT UNIT STEP UP	F-70	2ND. PLAYER 100,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000 POINT D.U.	F-67
CREDIT UNIT STEP UP	F-71	2ND. PLAYER 1,000 POINT D.U.	F-68
CREDIT UNIT STEP UP	F-72	2ND. PLAYER 10,000 POINT D.U.	F-69
CREDIT UNIT STEP UP	F-73	2ND. PLAYER 100,000 POINT D.U.	F-70
CREDIT UNIT STEP UP	F-74	2ND. PLAYER 1,000 POINT D.U.	F-71
CREDIT UNIT STEP UP	F-75	2ND. PLAYER 10,000 POINT D.U.	F-72
CREDIT UNIT STEP UP	F-76	2ND. PLAYER 100,000 POINT D.U.	F-73
CREDIT UNIT STEP UP	F-77	2ND. PLAYER 1,000 POINT D.U.	F-74
CREDIT UNIT STEP UP	F-78	2ND. PLAYER 10,000 POINT D.U.	F-75
CREDIT UNIT STEP UP	F-79	2ND. PLAYER 100,000 POINT D.U.	F-76
CREDIT UNIT STEP UP	F-80	2ND. PLAYER 1,000 POINT D.U.	F-77
CREDIT UNIT STEP UP	F-81	2ND. PLAYER 10,000 POINT D.U.	F-78
CREDIT UNIT STEP UP	F-82	2ND. PLAYER 100,000 POINT D.U.	F-79
CREDIT UNIT STEP UP	F-83	2ND. PLAYER 1,000 POINT D.U.	F-80
CREDIT UNIT STEP UP	F-84	2ND. PLAYER 10,000 POINT D.U.	F-81
CREDIT UNIT STEP UP	F-85	2ND. PLAYER 100,000 POINT D.U.	F-82
CREDIT UNIT STEP UP	F-86	2ND. PLAYER 1,000 POINT D.U.	F-83
CREDIT UNIT STEP UP	F-87	2ND. PLAYER 10,000 POINT D.U.	F-84
CREDIT UNIT STEP UP	F-88	2ND. PLAYER 100,000 POINT D.U.	F-85
CREDIT UNIT STEP UP	F-89	2ND. PLAYER 1,000 POINT D.U.	F-86
CREDIT UNIT STEP UP	F-90	2ND. PLAYER 10,000 POINT D.U.	F-87
CREDIT UNIT STEP UP	F-91	2ND. PLAYER 100,000 POINT D.U.	F-88
CREDIT UNIT STEP UP	F-92	2ND. PLAYER 1,000 POINT D.U.	F-89
CREDIT UNIT STEP UP	F-93	2ND. PLAYER 10,000 POINT D.U.	F-90
CREDIT UNIT STEP UP	F-94	2ND. PLAYER 100,000 POINT D.U.	F-91
CREDIT UNIT STEP UP	F-95	2ND. PLAYER 1,000 POINT D.U.	F-92
CREDIT UNIT STEP UP	F-96	2ND. PLAYER 10,000 POINT D.U.	F-93
CREDIT UNIT STEP UP	F-97	2ND. PLAYER 100,000 POINT D.U.	F-94
CREDIT UNIT STEP UP	F-98	2ND. PLAYER 1,000 POINT D.U.	F-95
CREDIT UNIT STEP UP	F-99	2ND. PLAYER 10,000 POINT D.U.	F-96
CREDIT UNIT STEP UP	F-100	2ND. PLAYER 100,000 POINT D.U.	F-97

ALL INTERLOCK RELAYS
ARE IN LATCHED POSITION.

RELAY COIL LOCATION

ADVANCE SPINNER RE.	F-18
ADVANCE RE.	F-18
BALL INDEX RE.	F-14
BONUS RE.	F-13
COIN RE.	F-2
COIN SET UP RE.	F-2
CREDIT RE.	F-3
DOUBLE BONUS RE.	F-3
DOUBLE BALL RE.	F-3
50 POINT RE.	F-3
GAME OVER RE. (LATCH)	F-19
GAME OVER RE. (TRIP)	F-14
GATE RE.	F-15
100 POINT RE.	F-16
LOCK RE.	F-4
1-2 SCORE RESET RE.	F-5
OUTHOLE RE.	F-13
PLAYER RESET RE.	F-6
RESET RE.	F-5
SPINNER RE.	F-14
TARGET RE.	F-19
100 POINT RE.	F-2
25 & RE.	F-2
1000 POINT RE.	F-5
TILT RE.	F-17
3-4 SCORE RESET RE.	F-5

ABBREVIATIONS

ADJ. ADJUSTMENT
AMP. AMPERE
B.K. BREAK
BOT. BOTTOM
C. CLOSE
CENT. CENTER
D.U. DRUM UNIT
E.O.S. END OF STROKE
EX. EXTRA
IMP. IMPULSE
IND. INDEX
J. JUMPER
L. LEFT
M.B. MAKE BREAK
NO. NUMBER
O. OPEN
PL. PLASTIC
POS. POSITION
R. RIGHT
RE. RELAY
S.U. STEP UP
SW. SWITCH
SW. SWITCHES
V. VOLT
W. ZERO

STAR POOL
#453

