

HI LO ACE

CABINET TO INSERT PLUGS

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

PANEL TO CABINET PLUGS

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

FLIPPER PLUG

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

DOOR PLUG

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

CHIME PLUG

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

INDICATES HIS GAUGE WIRE USED AT POSITION ON PLUGS.

1/2 WATT 6250 WATT

WIRING ENCLOSED IN [] INDICATES HIS GAUGE WIRE USED AT POSITION ON PLUGS.

1/2 WATT 6250 WATT

SWITCH SYMBOLS

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

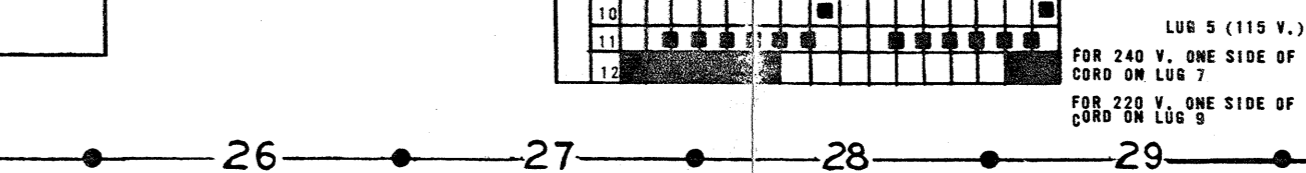
WIRE COLOR CODE

- 1-BROWN
- 2-BLUE
- 3-RED
- 4-GREEN
- 5-WHITE
- 6-GRAY
- 7-ORANGE
- 8-TRACER
- 9-NO COLOR

1-FIRST NUMBER-HOT COLOR
2-SECOND NUMBER-TRACE COLOR
3-THIRD NUMBER-DASH INDICATES RE-USE OF SAME COLOR WIRE
EX. 10-11-WHITE-RED (USED AGAIN)

SEQUENCE OF OPERATION ON SCORE MOTOR SWITCHES

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36



COIL LOCATIONS

NAME OF COIL	LOCATION
ACE TRIP RE.	F-3
ALTERNATOR RE.	F-2
BALL COUNT UNIT RESET SOLENOID	F-26
BALL INDEX RE.	F-33
BALL TRIP RE.	F-3
COIN LOCKOUT COIL	F-9
CREDIT RE.	F-9
CREDIT UNIT RESET SOLENOID	F-30
CREDIT UNIT STOP SOLENOID	F-30
GAME OVER TRIP RE.	F-31
GAME RE. (LATCH)	F-22
GAME RE. (TRIP)	F-22
HI-SPECIAL TRIP RE.	F-15
JACK TRIP RE.	F-9
KING TRIP RE.	F-3
KNOCER SOLENOID	F-9
LEFT BLUE THUMPER BUMPER RE.	F-22
LEFT BLUE THUMPER BUMPER SOLENOID	F-18
LEFT FLIPPER SOLENOID	F-10
LEFT SLING SHOT SOLENOID	F-10
LEFT YELLOW THUMPER BUMPER RE.	F-22
LEFT YELLOW THUMPER BUMPER SOLENOID	F-18
LOWER YELLOW THUMPER BUMPER SOLENOID	F-18
OUTSOLE RE.	F-32
QUEEN TRIP RE.	F-4
RESET RE.	F-11
RIGHT BLUE THUMPER BUMPER RE.	F-20
RIGHT BLUE THUMPER BUMPER SOLENOID	F-24
RIGHT FLIPPER SOLENOID	F-25
RIGHT SLING SHOT SOLENOID	F-10
SCORE RESET RE.	F-11
SPECIAL RE.	F-10
TILT RE. (LATCH)	F-19
TILT RE. (TRIP)	F-19
TOTAL PLAY METER SOLENOID	F-21
TOTAL PLAY METER TRIP RE.	F-21
TRIPLE TARGET RE.	F-18
100-000 UNIT STOP SOLENOID	F-18
2 COIN UNIT STOP SOLENOID	F-18
2nd COIN CHUTE RE.	F-5
3rd COIN CHUTE RE.	F-5
4 TRIP RE.	F-12
5 TRIP RE.	F-12
6 TRIP RE.	F-12
7 TRIP RE.	F-12
8 TRIP RE.	F-12
9 TRIP RE.	F-12
10 TRIP RE.	F-12
10 POINT CHIME SOLENOID	F-17
100-000 UNIT STOP SOLENOID	F-17
1000 POINT RE.	F-18
1000 POINT RE.	F-18
10-10 UNIT STOP SOLENOID	F-12
10-100 UNIT STOP SOLENOID	F-12
10-100-000 UNIT STOP SOLENOID	F-14
100 POINT RE.	F-14
100-000 UNIT STOP SOLENOID	F-14
1000 POINT RE.	F-14
1000 POINT RE.	F-14

"HI-LO ACE"
981
I PLAYER
W-1042-121
9-27-73



MANUFACTURING CORP.
2540 W. BELMONT AVE.
CHICAGO, ILL. 60618