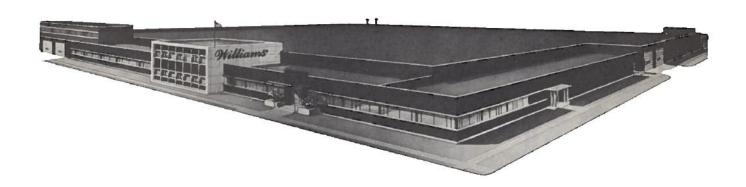
# Instruction Manual

for

# STRIKE ZONE





3401 N. California Ave. Phone 267-2240 Chicago, III. 60618, U.S.A. Cable Address: Wilcoin

# IMPORTANT NOTICE

KINDLY INFORM LOCATIONS THAT THEY
CAN TURN DISPLAY LIGHTS ON BY PRESSING
LEFT FLIPPER BUTTON. MACHINE CAN STILL
BE SHUT OFF BY TAPPING BOTTOM OF
CABINET.

MASTER SWITCH (ON-OFF) IS LOCATED UNDERNEATH FRONT PART OF CABINET.

# CAUTION!

The playboard on this machine has an improved finish with excellent wearing properties. Do not under any circumstances clean the board with water, water soap solutions or harsh abrasives. Avoid such things as steel wool, kitchen cleansers or abrasive hand soap. Water will weaken the adhering of the paint to the board and abrasives shorten the board life by many thousand plays. A wax base cleaner with negligible abrasive qualities used lightly, but frequently, will extend the board life to its full capabilities.

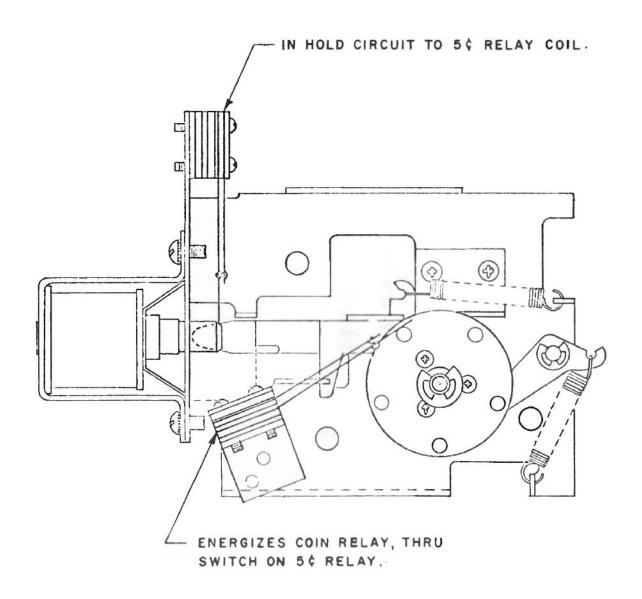
# SERVICEMAN TO REMOVE BACKGLASS:

- WITH BACK DOOR REMOVED, PULL BACK ON BRACKETS AT INSIDE TOP OF LITE BOX.
- · FROM THE FRONT OF GAME, LIFT GLASS UP AND OUT.

# ALTERNATOR UNIT

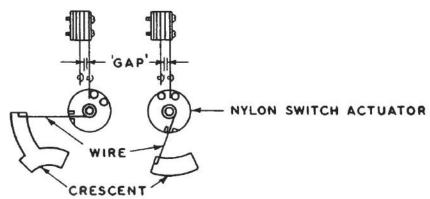
LOCATED ON MECHANISM PANEL .

USED IN CONJUNCTION WITH 5¢ RELAY FOR "2COINS-IPLAY" FEATURE.



#### INSTRUCTIONS FOR COIN TRIP SWITCH ADJUSTMENT

WIRE SHOULD BE IN CONTACT WITH END OF CRESCENT OPENING WHEN BLADE ADJUSTMENT IS MADE.



Long blade should be in contact with nylon switch actuator and have a maximum overtravel of 1/32.

or

Using a gram gauge, tension of long blade should not exceed 10 grams.

#### SWITCH ADJUSTMENT

- 1. For small coins, such as dimes, adjust short blade so that the 'gap' between the silver contacts is .045 to .055.
- 2. For larger & heavier coins the 'gap' should be .045 to .060.
- 3. Do not adjust 'gap' closer than .040.

#### POWER TRANSFORMER:

LOCATED ON MECHANISM PANEL, IT IS EQUIPPED WITH A SECONDARY TAP. IF YOUR GAME IS ON LOCATION WITH EXTREMELY LOW LINE VOLTAGE, REMOVE LEAD FROM LUG MARKED 24 VOLTS AND SOLDER TO ALTERNATE LUG MARKED "HIGH". THIS WILL BOOST SECONDARY VOLTAGE APPROXIMATELY 2-3 VOLTS.

#### LEG LEVELERS:

ARE PROVIDED FOR TWO PURPOSES - 1ST TO LEVEL GAME ON LOCATION, 2ND TO INCREASE PITCH FOR GAME PERCENTAGING. IF IT IS DESIRED TO SPEED UP PLAY AND DECREASE SCORES, RAISE REAR LEG LEVELERS TO INCREASE PITCH.

# WARRANTY

THE MOTORS IN ALL NEW WILLIAMS PRODUCTS ARE UN-CONDITIONALLY GUARANTEED FOR 6 MONTHS FROM DATE OF PURCHASE.

ANY DEFECTIVE MOTORS RETURNED DURING THE WARRANTY PERIOD WILL BE REPLACED FREE OF CHARGE BY YOUR WILLIAMS DISTRIBUTOR.

# IMPORTANT NOTICE

WHEN ORDERING PARTS ALWAYS SPECIFY NAME OF UNIT, GAME AND SERIAL NUMBER, IN ADDITION TO A CLEAR DESCRIPTION OF THE PART AND PART NUMBER IF POSSIBLE.

#### UNIT PARTS LIST

UNIT NAME	CONTACT DISC	WIPER ASSEMBLY	RATCHET GEAR ASSEMBLY	MOTORS	
REPLAY			A-6400	SCORE MOTOR	
BALL COUNT	c-6878	c-6520	A-6402-10	SCORE MOTOR	
NO. MATCH	C-6417	C-6520	A-6401	14 <b>A-78</b> 05	
ALTERNATOR			30 <b>-</b> 7272	(60 CYCLE)	
0-9	A-7195	A-6294	30 <b>-7</b> 272	14A 7806	
TENS			3C-7272	(50 CYCLE)	
HUNDREDS	A-7195	A-6294	3C-7272		
THOUSANDS	A-7195	A-6294	30 <b>-</b> 7272		

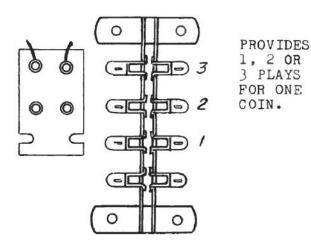
#### "STRIKE ZONE" COIL CHART

#### NOTICE:

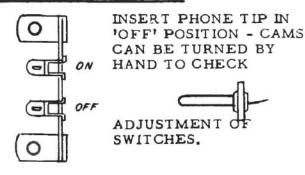
THIS GAME OPERATES ON 24 VOLTS. WHEN ORDERING REPLACEMENT TRANSFORMERS, MOTORS, COILS OR METERS ... MAKE SURE TO SPECIFY CORRECT PART NUMBER.

## ADJUSTMENTS ON MECHANISM PANEL

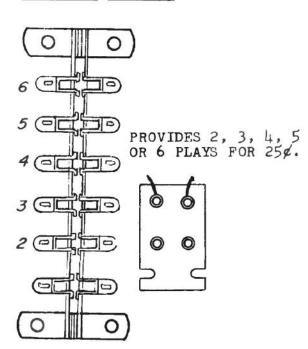
# 10¢ Adjustment



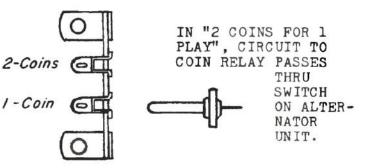
#### Motor Service Jack



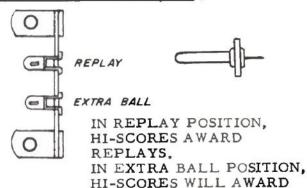
## 25¢ Adjustment



## 5¢ Adjustment



#### Extra Ball Jack Adj.



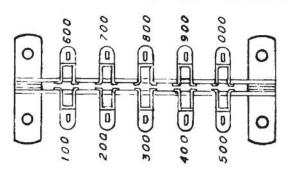
EXTRA BALL.

#### SUGGESTED SCORE CARDS:

5 BALL PLAY ....371-1

3 BALL PLAY .....371-2

# ADJUSTMENTS IN BACKBOX



### HI-Score Adjustment

Insert plugs into 10 Point Female at desired positions.

Examples:

Yellow wire into 000 position scores at 4000.

Yellow wire into 300 position scores at 3300.

# ON OFF Number Match Adjustment

In "ON" position, number match lite will appear when game is over. This number will match the last number in point score, on the average, once every ten games. In "OFF" position, Number Match is inoperative.

### of Balls Adjustment

-RED-

- BLUE -

(1100 to 2000)

(2100 to 3000)

-YELLOW- (3100 to 4000)

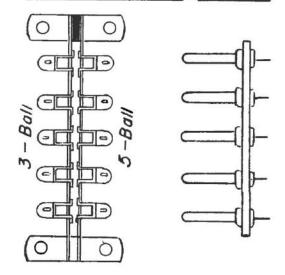
-GREEN- (4100 to 5000)

-WHITE- (5100 to 6000)

-BROWN - ( 6100 to 7000)

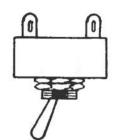
-ORANGE- (7100 to 8000)

-BLACK - (8100 to 9000)



THIS JACK CHANGES 3 BALL TO 5 BALL PLAY OR VICE VERSA.

# Located under front of Cabinet

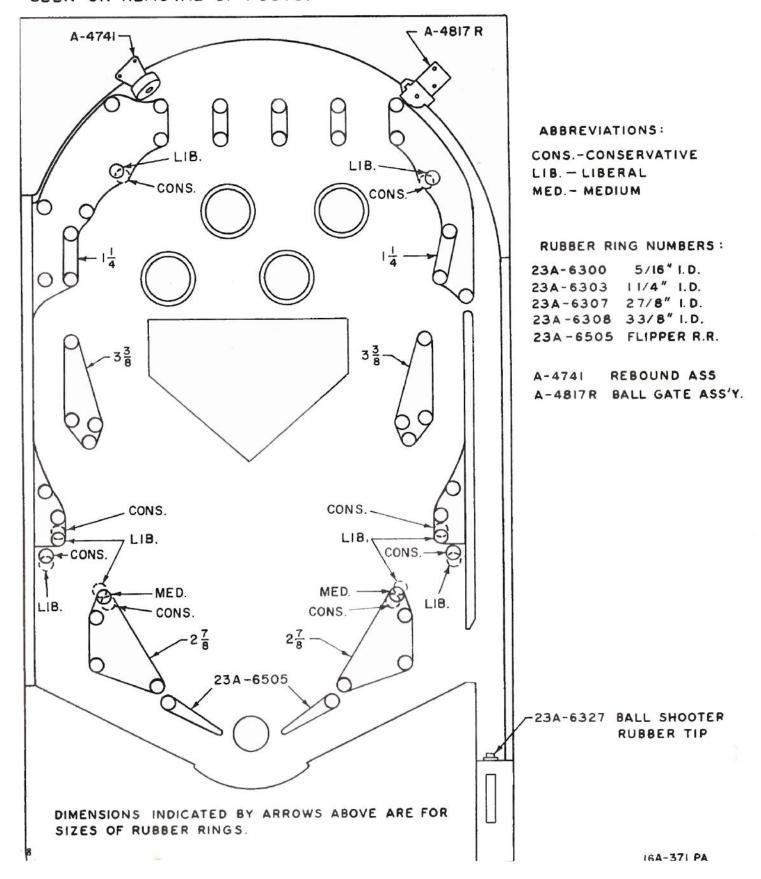


Master On-Off Switch

CONTROLS POWER TO TRANSFORMER

#### "STRIKE ZONE"- POST ADJUSTMENT SHEET

TO MAKE GAME MORE "CONSERVATIVE" OR "LIBERAL" - MOVE POSTS 3/16" AS SHOWN IN SKETCH BELOW. SPOTTING HOLES ARE PROVIDED AND CAN BE SEEN ON REMOVAL OF POSTS.



#### I GENERAL

NEVER EXPERIMENT with any of the mechanism. Locate any trouble with the aid of Wiring Diagrams or Operating & Servicing Information supplied with the machine, then check for proper adjustment of the units involved before making any changes. Improper adjustment or make-shift repair will only cause serious damage to other parts of the machine or repeated failure of the part.

NOTE: Always look for a possible loose wire, bad connection at a plug and socket, broken or unhooked springs on step-up units, relays, etc., before adjustments are made or wires reconnected.

#### 2. FUSES

IMPORTANT: Never replace fuses with any rating other than specified on the fuse block; this block is located adjacent to the transformer.

#### 3. LUBRICATION

Over-lubrication causes far more trouble in coin operated equinment than under-lubrication. Practically all cases of poor contact on switches and wiper discs are due to oil or grease, or oil vapor, which forms a film or residue on the contacts and will not allow current to pass through. Excess lubricant may also seep into clutches causing them to slip.

IMPORTANT: NEVER USE VASELINE FOR LUBRICATION OF ANY PART OF THE MACHINE. Vaseline is not a true lubricant. It leaves a dirty and gummy residue and it becomes very thick when cold. A special Coin Machine Lubricant is supplied with each machine.

STEP-UP Levers, Ratchets, Cams, Shafts and other sliding or oscillating parts should be very lightly greased with special Coin Machine Lubricant (supplied with machine) not oftener than every six months. The bakelite discs (biscuits) on the Motor Units and Step-up Units will require lubrication with the special Coin Machine Lubricant only after the grease is completely evaporated (3 to 12 months, depending on climate) or when the film of grease becomes dirty. In either event, clean the parts thoroughly with a solvent, then apply an extremely thin coat of the special grease.

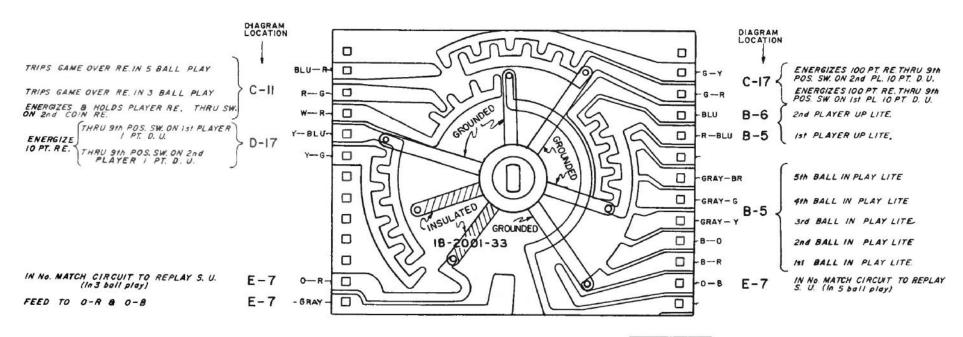
Solenoid Plungers should not have a lubricant of any kind. Should there be a sluggish tendency or if plungers are sticking, the parts should be cleaned with a solvent and flaked graphite applied on reassembly.

#### 4. RELAY and SWITCH ADJUSTMENT

Where relay adjustments are called for, before bending blades, in all cases, on any machine, make certain that the screws holding the switch stacks are down very tightly. This is suggested because the plastic spacers in the switch stacks have occasionally shrunk by drying out, causing a poor adjustment.

#### BALL COUNT UNIT

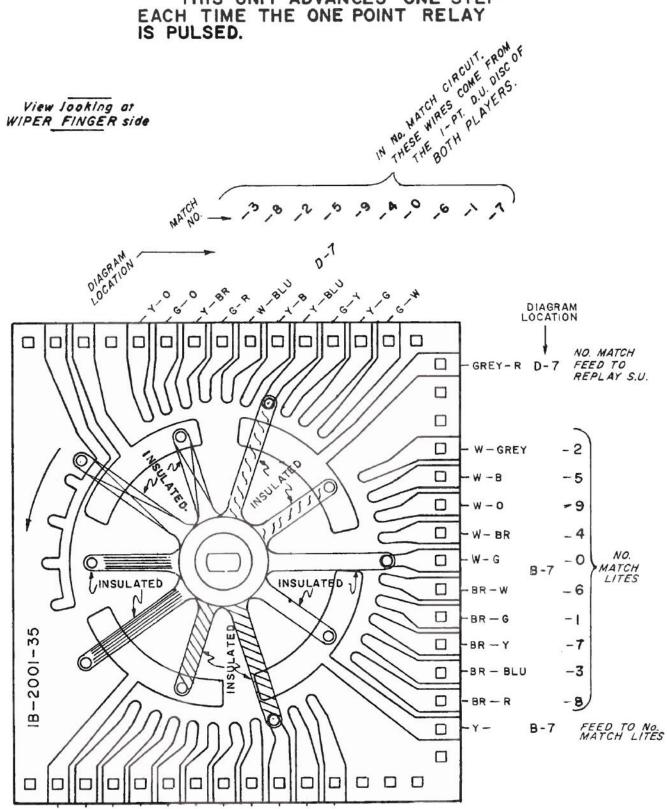
THIS UNIT RESETS AT THE START OF A NEW GAME. IT ADVANCES ONE STEP AT A TIME WHEN TWO PERSONS ARE PLAYING & TWO STEPS IF ONLY ONE IS PLAYING.



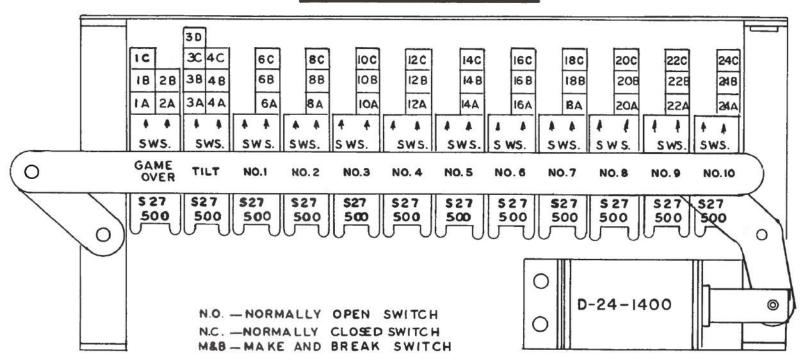
View looking at WIPER FINGERS with WIPER IN RESET Position

# No. MATCH UNIT

THIS UNIT ADVANCES ONE STEP EACH TIME THE ONE POINT RELAY IS PULSED.



# RELAY BANK SWS.



RELAY	SW.	WIRE COLORS	DIAG. LOC.	TYPE	SWITCH OPERATION
	10	BR-Y-W -BR- GRAY-O	A-4	M&B	OPENS CIRCUIT TO "BALL IN PLAY" LITES AND CLOSES TO "GAME OVER" & "NO. MATCH" LITES.
GAME- OVER	1B	BLU-W G-R	D <b>-</b> 5	N.O.	ENERGIZES RESET RELAY, THRU SWITCH ON COIN RELAY.
RELAY	1A	W-BR G-O	E-4	N.O.	IN CIRCUIT TO REPLAY RELAY.
	2B	BLU-Y-W -B-	F-10	N.C.	OPENS CIRCUIT TO ALL PLAYFIELD SWITCHES.
	2A	R-Y R-BLU	E-10	N.O.	ENERGIZES POST RELAY.

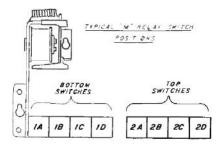
RELAY	sw.	WIRE COLORS	DIAG. LOC.	TYPE	SWITCH OPERATION
	3D	W-B -GRAY-	F-7	N.C.	TO REPLAY S.U. COIL, IN HI-SCORE CIRCUIT.
	3C	BR-G -Y-	E-11	N.O.	ENERGIZES BALL INDEX RELAY.
TILT	3B	G-W -BLU-	A-9	N.O.	TO "TILT" LITE.
RELAY	3A	R-Y R-BLU	E-10	N.O.	ENERGIZES POST RELAY.
	4C	-R- R-Y-W	F-12	N.C.	OPENS CIRCUIT TO ALL PLAYFIELD SWITCHES.
	4B	Y-R -J-	E-11	N.C.	TO TILT RELAY COIL, THRU TILT SWITCHES.
	4A	GRAY-B GRAY-O	A-6	N.C.	OPENS CIRCUIT TO NUMBER MATCH LITES.
	6C	-BLU- -Y- 0-W	в-3	м&в	TO"NO.1 PIN" LITE ON PLAYFIELD AND BACK-BOX.
NO.1 RELAY	6в	-J- Y-BLU G-B	E-13	М&В	CLOSES TO 1 POINT RELAY.
	6A	-Y- -J-	C-12	N.O.	IN SERIES WITH SWITCH 8A ON NO.2 RELAY.
	8c	Y-G -Y- 0-B	в-3	M&B	TO "NO.2 PIN" LITE ON PLAYFIELD AND BACK-BOX.
NO.2 RELAY	8в	-J- Y-BR G-B	E-13	M&B	CLOSES TO 1 POINT RELAY.
	84	-J- -J-	C-12	N.O.	IN SERIES WITH SWITCH 10A ON NO.3 RELAY.
NO.3	100	Y-R -Y- B-R	B-3	M&B	TO "NO.3 PIN" LITE ON PLAYFIELD AND BACK-BOX.
RELAY	10B	-J- -O- G-B	E-14	M&B	CLOSES TO 1 POINT RELAY.
1	10A	 -J- -J-	C-12	N.O.	IN SERIES WITH SWITCH 12A on NO.4 RELAY.

RELAY	SW.	WIRE COLORS	DIAG.	TYPE	SWITCH OPERATION
	12C	Y-0	B-3	м&в	TO "NO.4 PIN" LITE ON PLAYFIELD AND
		-Y- B-BLU			BACK-BOX.
NO.4 RELAY	12B	-J- Y-B G-B	E-14	м&В	CLOSES TO 1 POINT RELAY.
	12A	-J- -J-	D-12	N.O.	IN SERIES WITH SWITCH 14A ON NO.5 RELAY.
	14c	-BR- -Y- B-Y	B <b>-</b> 3	М&В	TO "NO.5 PIN" LITE ON PLAYFIELD AND BACK-BOX.
NO.5 RELAY	1)†B	-J- -W- G-B	E-14	м&в	CLOSES TO 1 POINT RELAY.
	ll¦A	-J- -J-	D-12	N.O.	IN SERIES WITH SWITCH 16A ON NO.6 RELAY.
	<b>16</b> C	G-R -Y- B-G	в-4	М&В	TO "NO.6 PIN" LITE ON PLAYFIELD AND BACK-BOX.
NO.6	16в	-J- G-Y G-B	E-14	M&B	CLOSES TO 1 POINT RELAY.
	16A	-J- -J-	D-12	N.O.	IN SERIES WITH SWITCH 18A ON NO.7 RELAY.
	18c	O-R -Y- B-W	в-4	M&B	TO "NO.7 PIN" LITE ON PLAYFIELD AND BACK-BOX.
NO.7	18B	-J- G-W G-B	E-14	М&В	CLOSES TO 1 POINT RELAY.
	18A	-J- -J-	D <b>-</b> 12	N.O.	IN SERIES WITH SWITCH 20A ON NO.8 RELAY.
NO.8	20C	R-BLU -Y- B-0	B-4	M&B	TO"NO.8 PIN" LITE ON PLAYFIELD AND BACK-BOX.
RELAY	20B	-J- G-0 G-B	E-14	M&B	CLOSES TO 1 POINT RELAY.

RELAY	SW.	WIRE COLORS	DIAG. LOC.	TYPE	SWITCH OPERATION
	20A	-J-	E-12	N.O.	IN SERIES WITH SWITCH 22A on NO.9 RELAY.
NO.9	220	R-Y -Y- GRAY-R	в-4	M&B	TO "NO.9 PIN" LITE ON PLAYFIELD AND BACK-BOX.
RELAY	22B	-J- W-BLU G-B	E-15	M&B	CLOSES TO 1 POINT RELAY.
	22A	-J- -J-	E-12	N.O.	IN SERIES WITH SWITCH 24A ON NO.10 RELAY.
YO 30	214C	R-G -Y- GRAY-BLU	в-4	M&B	TO "NO. 10 PIN" LITE ON PLAYFIELD AND IN BACK-BOX.
NO.10 RELAY	<b>21</b> ‡B	-J- W-G G-B	E-15	М&В	CLOSES TO 1 POINT RELAY.
	24A	BLU-O -J-	E-12	N.O.	ENERGIZES STRIKE RELAY WHEN NO.1 THRU NO.10 RELAYS ARE TRIPPED.

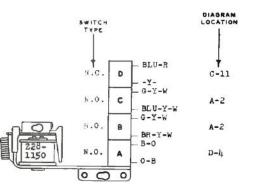
#### A. C. RELAYS & SWITCHES

On Mechanism Panel



#### LOCK RELAY

IS ENERGIZED BY 5¢ RELAY, 10¢ RELAY, 25¢ RELAY, COIN RELAY OR LEFT FLIPPER SWITCH.



TRIPS GAME-OVER RELAY.

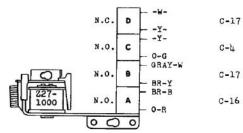
6 VOLTS FROM TRANSFORMER TO LITES .

6 VOLTS FROM TRANSFORMER TO LITES.

HOLD CIRCUIT TO THIS RELAY, THRU KICK-OFF SWITCH.

#### 300 RELAY

IS ENERGIZED BY LEPT OR RIGHT BOTTOM ROLLOVER (WHEN LIT), OR BY STRIKE RELAY.



IN CIRCUIT TO 100 POINT RELAY, THRU CENTER TOP ROLLOVER SWITCH.

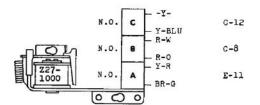
RUNS SCORE MOTOR.

PULSES 100 POINT RELAY.

IN HOLD CIRCUIT TO THIS RELAY.

#### BALL INDEX RELAY

IS ENERGIZED BY 1 POINT RELAY, 10 POINT RELAY OR TILT RELAY.



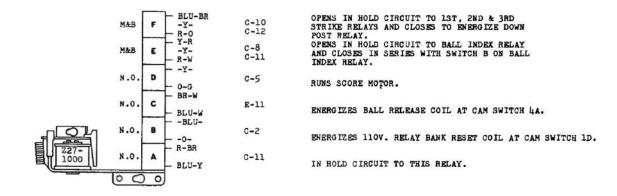
IN SERIES WITH SWITCH A ON EXTRA BALL RELAY.

IN SERIES WITH SWITCH C ON EXTRA BALL RELAY.

IN HOLD CIRCUIT TO THIS RELAY.

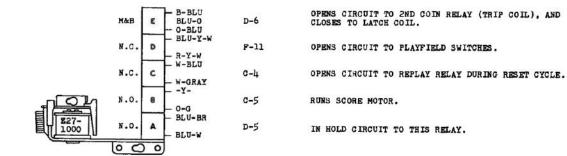
#### OUTHOLE RELAY

IS ENERGIZED BY OUTHOLE SWITCH.



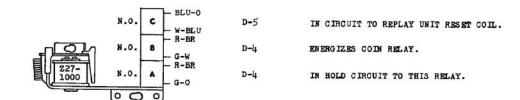
#### RESET RELAY

IS ENERGIZED BY SWITCH D ON COIN RELAY.



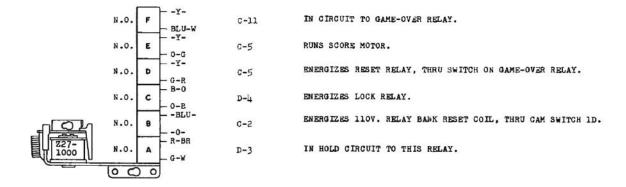
#### REPLAY RELAY

IS ENERGIZED BY REPLAY BUTTON, THRU ZERO SWITCH ON REPLAY UNIT.



#### COIN RELAY

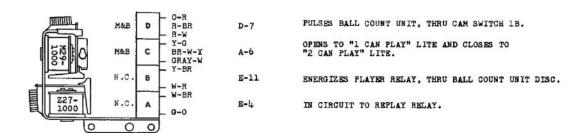
IS ENERGIZED BY COIN SWITCH, 5¢ RELAY OR REPLAY RELAY.



#### 2ND COIN RELAY

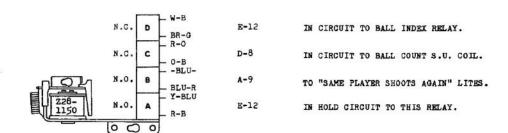
(INTERLOCK)

LATCH AND TRIP COILS ARE ENERGIZED BY SWITCH D ON COIN RELAY, THRU SWITCH E ON RESET RELAY.



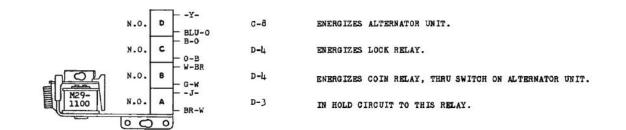
#### EXTRA BALL RELAY

IS ENERGIZED BY SWITCH 1D ON STRIKE RELAY AND SWITCH B ON 3RD STRIKE RELAY.
IT IS ALSO ENERGIZED BY HI-SCORE CIRCUITS IF ADJUSTMENT JACK IS IN EXTRA BALL POSITION.



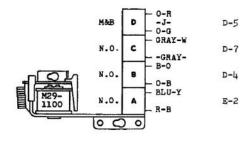
#### 5º RELAY

IS ENERGIZED BY 5¢ COIN SWITCH.



#### 10¢ RELAY

IS ENERGIZED BY 10¢ COIN SWITCH, IP 10¢ ADJUSTMENT JACK IS IN "2 PLAYS" OR "3 PLAYS" POSITION.



OPENS IN CIRCUIT TO KNOCKER COIL AND CLOSES TO RUN SCORE MOTOR.

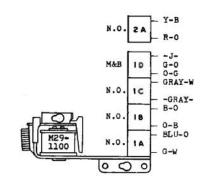
PULSES REPLAY S.U. COIL, THRU IMPULSE CAM SWITCH A.

ENERGIZES LOCK RELAY.

IN HOLD CIRCUIT TO THIS RELAY.

#### 25¢ RELAY

IS ENERGIZED BY 25¢ COIN SWITCH.



IN HOLD CIRCUIT TO THIS RELAY.

OPENS IN CIRCUIT TO KNOCKER COIL, AND CLOSES TO RUN SCORE MOTOR.

PULSES REPLAY S.U. COIL, THRU IMPULSE CAM SWITCH A.

ENERGIZES LOCK RELAY.

D-3

D-5

D-7

D-4

D-4

C-10

E-10

FULSES COIN RELAY, IF GAME IS ADJUSTED TO "6 PLAYS FOR  $25 \rlap/\epsilon$ ".

#### LOCATED ON PLAYFIELD

#### POST RELAY

IS ENERGIZED BY LEFT SIDE OR RIGHT SIDE ROLLOVER, AND BY ROLLOVER BUTTON AS INDICATED (DOWN POST).

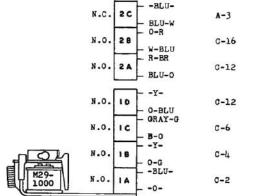
#### N.O. R-0 R-Y M29-1100 R-BLU 000

ENERGIZES "DOWN POST" RELAY.

IN HOLD CIRCUIT TO THIS RELAY.

#### STRIKE RELAY

IS ENERGIZED WHEN NO.1 TO NO.10 RELAYS ARE TRIPPED. ALSO BY CENTER TOP ROLLOVER SWITCH (FOR 1ST STRIKE ONLY).



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OPENS CIRCUIT TO ALL 10 PIN LITES ON PLAYFIELD.

ENERGIZES 300 RELAY.

IN HOLD CIRCUIT TO THIS RELAY.

ENERGIZES EXTRA BALL RELAY WHEN 3RD STRIKE IS MADE.

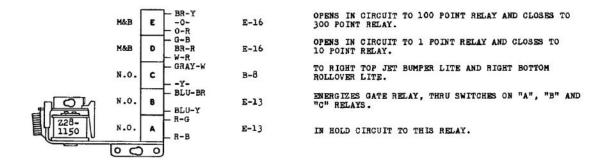
ENERGIZES REPLAY S.U. OR EXTRA BALL RELAY FOR EVERY STRIKE AFTER THE 3RD STRIKE.

RUNS SCORE MOTOR.

ENERGIZES 110V. RELAY BANK RESET COIL AT CAM SWITCH 1D.

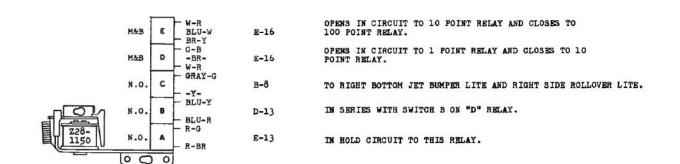
#### "D" RELAY

IS ENERGIZED BY "D" TARGET SWITCH.



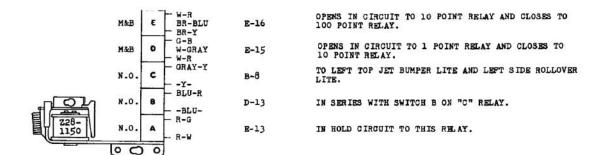
#### "C"RELAY

IS ENERGIZED BY "C" TARGET SWITCH.



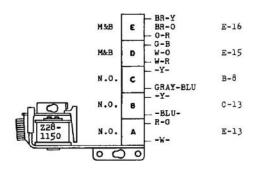
#### "B"RELAY

IS ENERGIZED BY "B" TARGET SWITCH.



#### "A" RELAY

IS ENERGIZED BY "A" TARGET SWITCH.



OPENS IN CIRCUIT TO 100 POINT RELAY AND CLOSES TO 300 POINT RELAY.

OPENS IN CIRCUIT TO 1 POINT RELAY AND CLOSES TO 10 POINT RELAY.

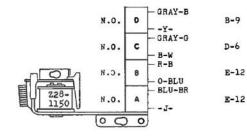
TO LEFT BOTTOM JET BUMPER LITE AND LEFT BOTTOM ROLLOVER LITE.

IN SERIES WITH SWITCH B ON "B" RELAY.

IN HOLD CIRCUIT TO THIS RELAY.

#### 3RD STRIKE RELAY

IS ENERGIZED, WHEN A STRIKE IS MADE, BY CAM SWITCH 1A, THRU SWITCH ON 2ND STRIKE RELAY.



TO 3RD STRIKE LITE AND "SPECIAL" LITE.

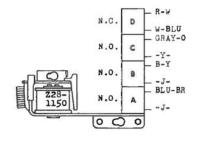
IN SERIES WITH SWITCH 1C ON STRIKE RELAY.

IN SERIES WITH SWITCH 1D ON STRIKE RELAY.

IN HOLD CIRCUIT TO THIS RELAY,

#### 2ND STRIKE RELAY

IS ENERGIZED, WHEN A STRIKE IS MADE, BY CAM SWITCH 2A, THRU SWITCH ON 1ST STRIKE RELAY.



PARALLELS NO.8 AND NO.9 RELAYS IN A 3 BALL GAME.

TO 2ND STRIKE LITE.

D-15

B-9

D-12

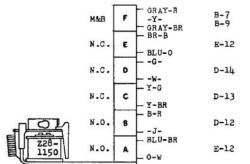
E-12

IN CIRCUIT TO TRIP 3RD STRIKE RELAY.

IN HOLD CIRCUIT TO THIS RELAY.

#### IST STRIKE RELAY

IS ENERGIZED, WHEN A STRIKE IS MADE, BY CAM SWITCH 3A.



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OPENS IN CIRCUIT TO TOP ROLLOVER LITE AND CLOSES TO 1ST STRIKE LITE.

IN CIRCUIT TO STRIKE RELAY, THRU TOP CENTER ROLLOVER SWITCH.

PARALLELS NO.4 AND NO.5 RELAYS IN 3 BALL GAME.

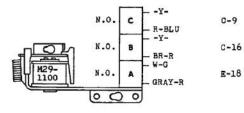
PARALLELS NO.1 AND NO. 2 RELAYS IN 3 BALL GAME.

IN CIRCUIT TO TRIP 2ND STRIKE RELAY.

IN HOLD CIRCUIT TO THIS RELAY.

#### NO. 4 BUMPER RELAY

IS ENERGIZED BY RIGHT TOP JET BUMPER SWITCH.



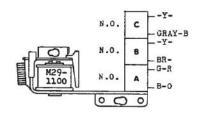
ENERGIZES RIGHT TOP JET BUMPER COIL.

IN SERIES WITH SWITCH D ON "D" RELAY.

IN HOLD CIRCUIT TO THIS RELAY.

#### NO. 3 BUMPER RELAY

IS ENERGIZED BY RIGHT BOTTOM JET BUMPER SWITCH.



C-8

C-16

E-18

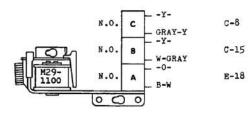
ENERGIZES RIGHT BOTTOM JET BUMPER COIL.

IN SERIES WITH SWITCH D ON "C" RELAY.

IN HOLD CIRCUIT TO THIS RELAY.

#### NO. 2 BUMPER RELAY

IS ENERGIZED BY LEFT TOP JET BUMPER SWITCH.



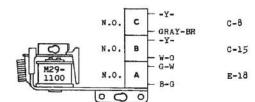
ENERGIZES LEFT TOP JET BUMPER COIL.

IN SERIES WITH SWITCH D ON "B" RELAY.

IN HOLD CIRCUIT TO THIS RELAY.

#### NO. I BUMPER RELAY

IS ENERGIZED BY LEFT BOTTOM JET BUMPER SWITCH.



ENERGIZES LEFT BOTTOM JET BUMPER COIL.

IN SERIES WITH SWITCH D ON "A" RELAY.

IN HOLD CIRCUIT TO THIS RELAY.

#### GATE RELAY

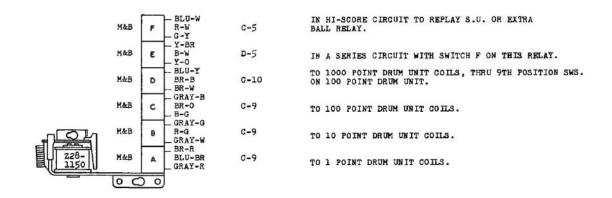
IS ENERGIZED BY SWITCHES ON "A", "B", "C" AND "D" RELAYS.



#### LOCATED IN BACKBOX

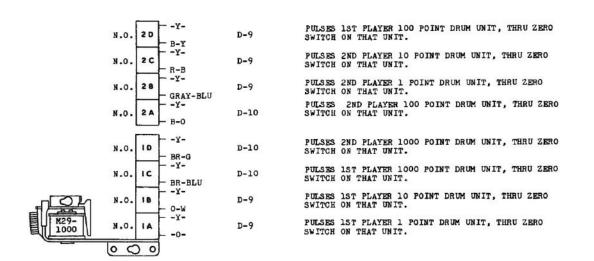
#### PLAYER RELAY

IS ENERGIZED BY 2ND COIN RELAY, THRU BALL COUNT UNIT DISC.



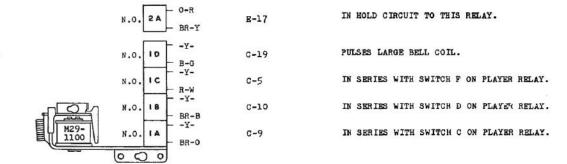
#### SCORE RESET RELAY

IS PULSED BY IMPULSE CAM SWITCH, THRU SWITCH A ON RESET RELAY.



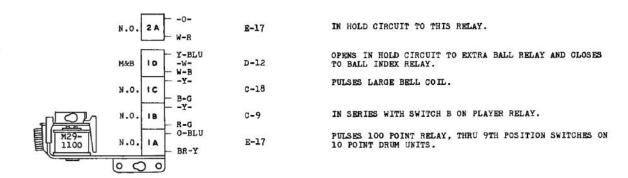
#### 100 POINT RELAY

IS PULSED BY (3) TOP ROLLOVERS AND 300 RELAY.
ALSO BY SIDE ROLLOVERS AND BOTTOM ROLL-OVERS, AS INDICATED.



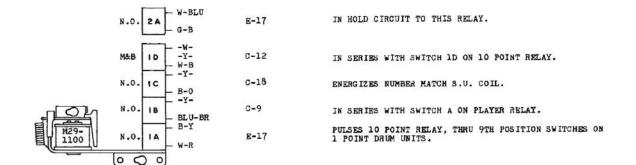
#### IO POINT RELAY

IS PULSED BY JET BUMPERS AND SIDE ROLLOVERS, AS INDICATED.



#### I POINT RELAY

IS PULSED BY (10) PIN ROLLOVER BUTTONS, STANDUP SWITCHES, KICKER SWITCHES, AND JET BUMPERS, AS INDICATED.



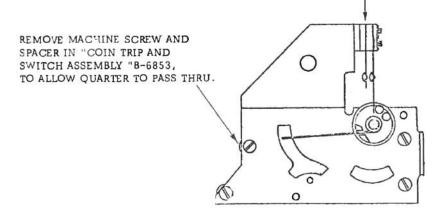
#### CONVERTING FROM (10¢-25¢) PLAY TO (2/25¢ - 2/25¢) PLAY

REPLACE 10¢ COIN CHUTE WITH 25¢ COIN CHUTE.

REPLACE 10¢ COIN INSERT PLATE WITH (1A-4215) 25¢ COIN INSERT PLATE.

R. PLACE 10¢ IDENTIFICATION PLATE WITH (16C-8640-100) 2 PLAYS-QUARTER.

REPLACE 10¢ COIN SWITCH WITH 25¢ COIN SWITCH (3M-3) -



B-6853 COIN TRIP & SWITCH ASS'Y.

#### TO CONVERT FROM (5¢ 5¢ - 10¢ - 25¢) TO (2/25¢ - 2/25¢)

REPLACE (5¢ 5¢) COIN TRIP AND SWITCH ASSEMBLY WITH B-6853 (10¢) COIN TRIP AND SWITCH ASSEMBLY.

REPLACE 5¢ COIN CHUTE WITH 25¢ COIN CHUTE.

REPLACE 5¢ COIN INSERT PLATE WITH (1A-4215) 25¢ COIN INSERT PLATE. REPLACE 5¢ IDENTIFICATION PLATE WITH (16C-8640-100) 2 PLAYS - QUARTER.

MAKE CHANGES ON B-6853 "COIN TRIP AND SWITCH ASSEMBLY" AS SHOWN ABOVE.

USE PART NO. 16A-8636 (DUMMY COIN ENTRY COVER) ON CENTER CHUTE.

#### WIRING INSTRUCTIONS

AT ORIGINAL 25¢ COIN SWITCH, UNSOLDER GREEN-ORANGE WIRE AND TAPE IT. REMOVE TAPE FROM WHITE-BLUE WIRE AND SOLDER IN ITS PLACE.

AT NEW 25¢ COIN SWITCH, REMOVE TAPE FROM GREEN-ORANGE, WHITE-BLUE AND RED-ORANGE WIRES AND SOLDER AS SHOWN BY DOTTED LINES (A), (B) AND (C).

INSERT 25¢ ADJUSTMENT JACK INTO "2 PLAYS FOR QUARTER" POSITION.

