Instruction Manual FOR HONEY





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"HONEY"

4 PLAYER

GAME OPERATES AS FOLLOWS:

CENTER EJECT HOLE SCORES LIT VALUE; EITHER 1,000 POINTS, 3,000 POINTS, 5,000 POINTS OR 10,000 POINTS. VALUE OF CENTER EJECT INCREASES BY GOING OVER TOP CENTER ROLLOVER LANE OR BY GOING INTO CENTER EJECT HOLE. MAKING 10,000 POINTS IN CENTER EJECT HOLE RESETS VALUE BACK TO 1,000 POINTS.

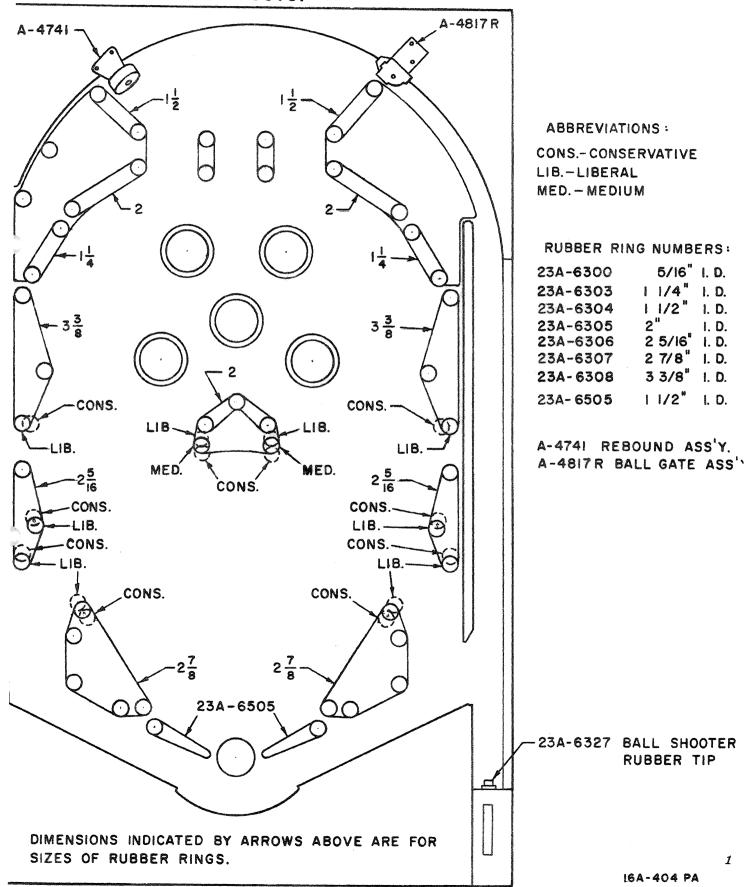
CENTER EJECT HOLE RAISES CENTER TARGET, EXCEPT WHEN 1,000 POINTS IS LIT.

SIDE EJECT HOLE VALUES INCREASE EVERY TIME 1 TO 5 ROLLOVER BUTTONS ARE MADE. 1 TO 5 CAN BE MADE BY GOING OVER LIT ROLLOVER BUTTONS, TOP ROLLOVER BUTTON OR MAKING "A" & "B" TARGETS. MAKING "A" & "B" TARGETS ADVANCE 1 TO 5 THREE TIMES AND OPENS GATE.

MAKING "A" & "B" TARGETS WILL NOT OPEN GATE IF EXTRA BALL LITE IS LIT. IF GATE WAS OPEN BEFORE EXTRA BALL LITE WAS MADE THEN GATE REMAINS OPEN UNTIL IT IS MADE OR BALL IS LOST.

"HONEY" - POST ADJUSTMENT SHEET

TO MAKE GAME MORE "CONSERVATIVE" OR "LIBERAL" - MOVE POSTS 3/16" IS SHOWN IN SKETCH BELOW. SPOTTING HOLES ARE PROVIDED AND CAN BE IEEN 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 soecial Coin Machine Lubricant is supplied with each machine.

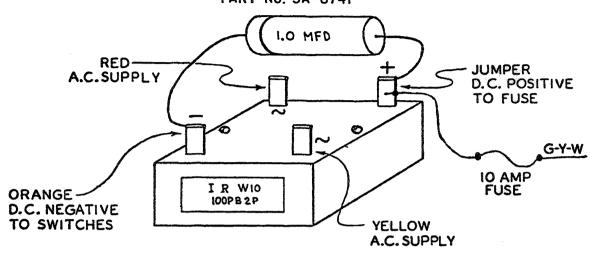
STEP-UP Levers, Ratchets, Cams, Shafts and other sliding or oscillating parts should be very lightly greased with special Coin Machine Lubricant (supplied with machine) not oftener than every six months. The bakelite discs (biscuits) on the Motor Units and Step-up Units will require lubrication with 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.

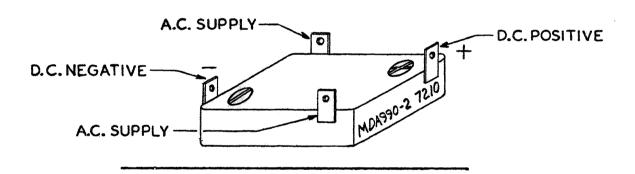
SWITCH ADJUSTMENT

BEFORE ADJUSTING SWITCHES, MAKE CERTAIN THE SCREWS HOLDING THE SWITCH STACKS ARE DOWN TIGHTLY. BAKELITE SPACERS IN THE SWITCH STACKS, DUE TO EXCESSIVE MOISTURE, HAVE OCCASIONALLY SHRUNK BY DRYING OUT, CAUSING POOR ADJUSTMENT.

SILICON BRIDGE RECTIFIER PART NO. 5A-8741



SILICON BRIDGE RECTIFIER 5A-8749



THE FUNCTION OF THE RECTIFIER AND CAPACITOR IS TO CONVERT THE ALTERNATING CURRENT (A.C.) TO DIRECT CURRENT (D.C.), SUPPLYING D.C. TO THE BUMPERS, KICKERS ETC.

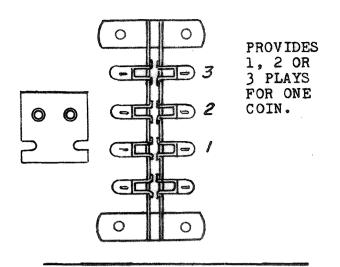
THE BRIDGE RECTIFIER SHOULD PRACTICALLY NEVER NEED REPLACING, AS IT IS RATED WELL OVER THE VOLTAGE AND CURRENT REQUIREMENTS OF THE COMPONETS IT SUPPLIES.

IF, HOWEVER, THE 15 AMP 24 VOLT FUSE ON THE MECHANISM PANEL OPENS, IT COULD BE DUE TO A FAULTY RECTIFIER. DISCONNECT THE A.C. INPUT TO RECTIFIER, REPLACE FUSE, AND RECHECK.

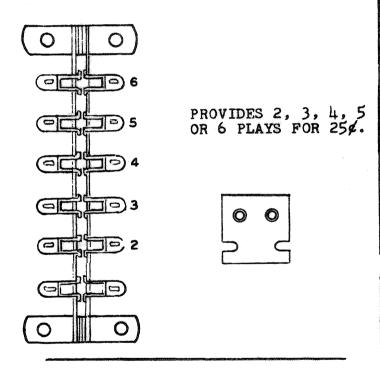
IF THE 10 AMP FUSE LOCATED NEXT TO THE RECTIFIER OPENS, CHECK ALL D.C. COMPONETS I.E. BUMPERS, KICKERS ETC. FOR SHORTS.

EITHER ONE OF THE ABOVE RECTIFIERS MAY BE USED.

10¢ Adjustment



25¢ Adjustment

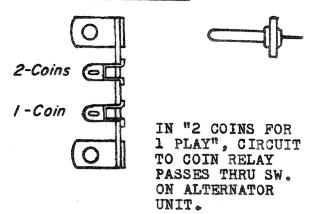


SUGGESTED SCORE CARDS

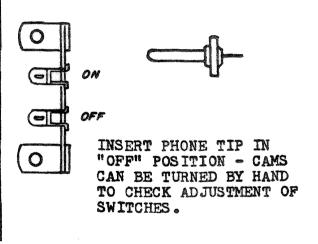
| | REPLAY 5 BALL | | |
|---|--------------------------|---|--|
| 5 | EXTRA BALL 5 BALL404-29 |) | |

4 3 BALL------404-23

5¢ Adjustment

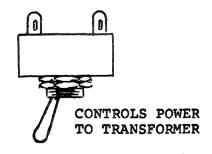


Motor Service Jack



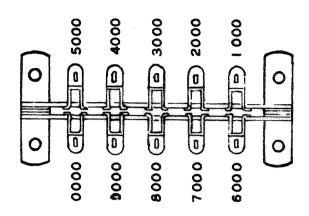
MASTER ON-OFF SW.

(Located under front of Cabinet)



ADJUSTMENTS IN BACKBOX

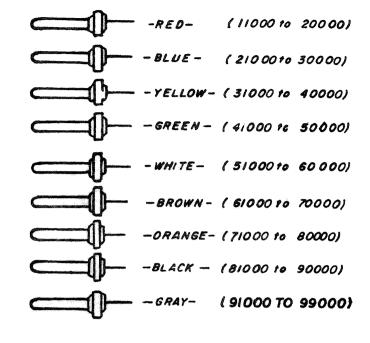
HI-Score Adjustment



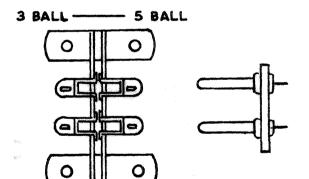
Insert plugs into 10 Point Female at desired positions.

Examples:

Yellow wire into 3000 position scores at 33000. Yellow wire into 0000 position scores at 40000.

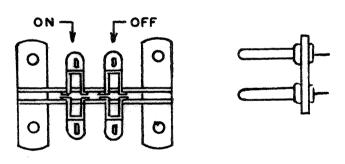


No. of Balls Adjustment



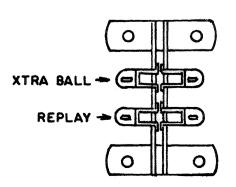
THIS JACK CHANGES 3 BALL TO 5 BALL PLAY OR VICE VERSA.

NUMBER MATCH ADJUSTMENT



In 'ON' position, a number match lite will appear when game is over. To award replays, when number is matched, Extra Ball Adjustment Jack must be in 'Replay' position. In 'Off' position, Number Match is inoperative.

Extra Ball Jack Adj.

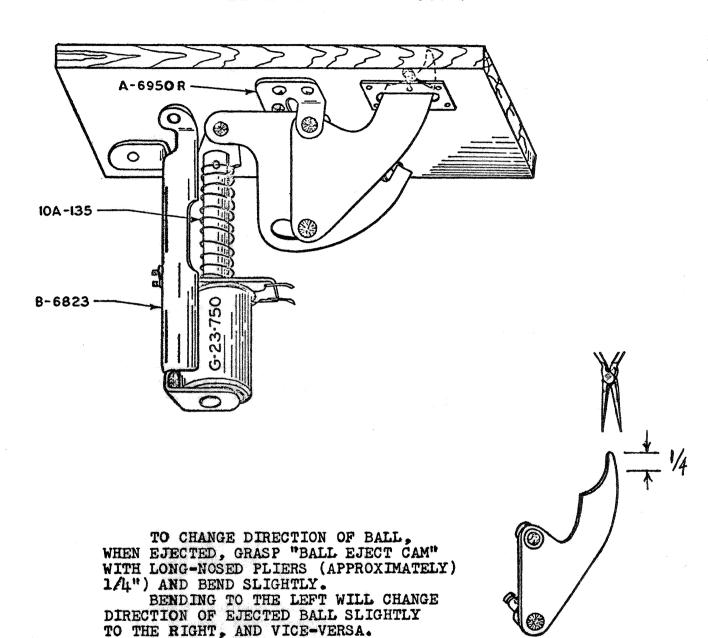




IN REPLAY POSITION.... HI-SCORES AND NUMBER MATCH AWARD REPLAYS.

IN EXTRA BALL POSITION.... HI-SCORE AWARDS AN EXTRA BALL AND NUMBER MATCH SHOULD BE IN "OFF" POSITION.

BALL EJECT CAM UNIT



CAUTION

IF BEND IS TOO GREAT, IT MAY

CAUSE A BIND WHEN "BALL EJECT CAM"

IS RESTING IN PART #3A-6015G-6.



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.

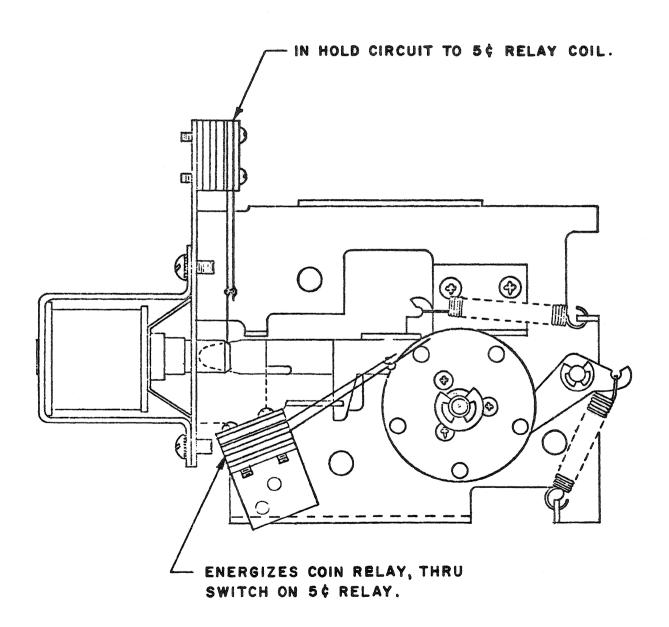
SERVICEMAN TO REMOVE BACKGLASS:

- · 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

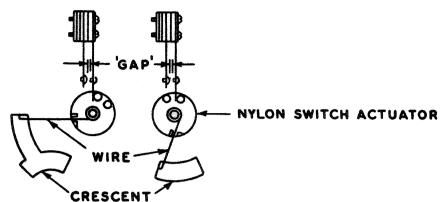
LOCATED ON MECHANISM PANEL.

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

O

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.

INSTRUCTIONS FOR ALTERING COIN CHUTES EQUIPPED WITH A FLIP-OVER DEVICE.

FOR 1 COIN- FOR 1 PLAY OR 2 COINS - FOR 1 PLAY

FIGURE 1

FLIP-OVER

FLIP-OVER

1 COIN - FOR 1 PLAY (FIGURE 1):

LEVER

Wire form "A" should be in position as shown in Figure 1. Flip-over lever should rebound from wire form "A" and return to position shown in Figure 1 everytime a coin is inserted. All coins pass over the coin trip switch wire "B".

2 COINS - FOR 1 PLAY (FIGURE 2):

Wire form "A" should be in position as shown in Figure 2 (see note). Flip-over lever should alternate from side to side. 1st coin should go to cash box without actuating coin trip switch wire "B", 2nd coin should pass the coin trip switch wire "B" and returns flip-over to position as shown in Figure 2.

NOTE:

To change from 1 coin play to 2 coin play or vice versa - loosen screw "X" and move screw, bushing & wire form "A" to position as required - shown in Figure 1 position as required - shown in Figure 1 or Figure 2.

When using 1 coin for 1 play, wire form "A" should not under any circumstances be allowed to enter the "Banana" slot and cause binding of flip-over lever.

LEVER

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

| | The second secon | | | |
|--------------|--|-------------------|--------------------------|---------------------|
| UNIT NAME | CONTACT DISC | WIPER ASSEMBLY | RATCHET GEAR ASSEMBLY | MOTORS |
| REPLAY | (1) (1) (2) (3) (4) (4) (5) (5) (6) | *** | A-6400 | |
| BALL COUNT | C-6414 | B-7456-6 | A-6402-5 | |
| NO. MATCH | C-6414 | B-7456-2 | A-6401 | |
| PLAYER | C-6417 | C-6521 | A-6405-3 | |
| COIN | C-6414 | B-7456-9 | A-6402-3 | 14A-7805 (60 CYCLE) |
| SIDE ADV. | C-6417 | B-7456-6 | A-6402-15 | SCORE MOTOR |
| CENTER ADV. | C-6417 | B-7456-8 | A-6402-3 | 14A-7806 (50 CYCLE) |
| 10 POINT | B-7253 | A-6294 | 30 - 7272 | SCORE MOTOR |
| 100 POINT | ********************* | | 30 - 7272 | |
| 1000 POINT | B-7253 | A-6294 | 30 - 7272 | |
| 10000 POINT | B-7253 | A-6294 | 30 - 7272 | |
| ALTERNATOR | ~~~~~~~~ | **** | 3C - 7272 | |

"HONEY" COIL CHART

NOTICE:

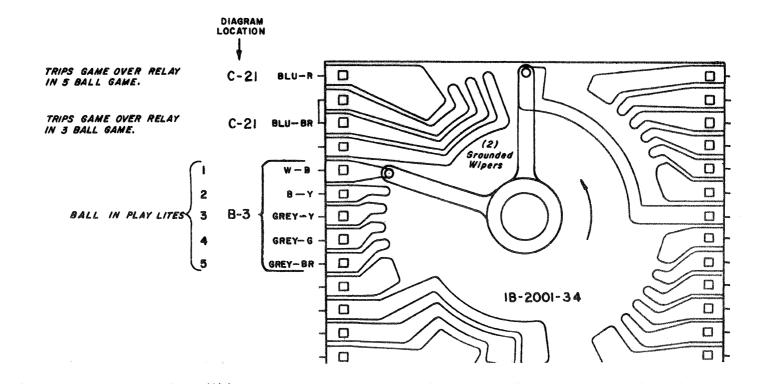
this game operates on 24 volts. When ordering replacement transformers, motors, coils or meters \dots make sure to specify correct part numbers.

| NUMBERS | DESCRIPTION | LOCATION |
|--------------------------|---|---|
| 14 A-7805 14 A-7806 | CONTROL MOTOR - 60 CYCLE CONTROL MOTOR - 50 CYCLE | MECH. PANEL |
| 15 A-6771 15 A-6782-1 | TRANSFORMER - 60 CYCLE TRANSFORMER - 50 CYCLE | MECH. PANEI MECH. PANEI |
| В 6396 | 24 VOLT METER | MECH. PANEI |
| | SOLENOID COILS | |
| A 22-550 · | COIN UNIT STEP UP SIDE ADVANCE UNIT STEP UP CENTER ADVANCE UNIT STEP UP NUMBER MATCH UNIT STEP UP PLAYER UP UNIT STEP UP BALL RELEASE COIL | MECH. PANEI PLAYFIELD PLAYFIELD INSERT INSERT PLAYFIELD |
| A 23-600 | BALL COUNT UNIT STEP UP CENTER EJECT REPLAY UNIT STEP UP | MECH. PANEI PLAYFIELD INSERT |
| A 2-23-750 | KNOCKER LARGE BELL | CABINET CABINET |
| B 26-800 | BALL COUNT UNIT RESET COIN UNIT RESET ALTERNATOR UNIT STEP UP CENTER ADVANCE UNIT RESET SIDE ADVANCE UNIT RESET REPLAY UNIT RESET PLAYER UP UNIT RESET | MECH. PANEI MECH. PANEI MECH. PANEI PLAYFIELD PLAYFIELD INSERT INSERT |
| B1-26-800 | SCORE DRUM UNITS (16 req'd.) | INSERT |
| FL 21-375/ 28-400 | FLIPPERS (2 req'd.) | PLAYFIELD |
| G 22-550 | DROP TARGET RESET (3 req'd.) | PLAYFIELD |
| G 23-750 | JET BUMPER COILS (5 req'd.) SIDE EJECT COILS (2 req'd.) KICKER COILS (2 req'd.) DOWN POST COIL | PLAYFIELD PLAYFIELD PLAYFIELD PLAYFIELD |
| М 29-900 | 1 - 2 RESET RELAY 3 - 4 RESET RELAY | INSERT INSERT |
| M 29-1000 | GAME OVER RELAY TRIP UP POST COIL TARGET RESET RELAY | MECH. PANE PLAYFIELD PLAYFIELD |
| M 29-1100 | 5 ¢ RELAY 10 ¢ RELAY 25 ¢ RELAY 25 ¢ RELAY POST RELAY CENTER ADVANCE RELAY SIDE ADVANCE RELAY 3.000 RELAY 5.000 RELAY 10.000 RELAY 10 POINT RELAY 100 POINT RELAY | MECH. PANE MECH. PANE MECH. PANE MECH. PANE PLAYFIELD PLAYFIELD PLAYFIELD PLAYFIELD PLAYFIELD PLAYFIELD PLAYFIELD INSERT INSERT |
| M1-31-1500 | COIN LOCKOUT COIL | FRONT DOOR |
| XM 27-675 | TOTAL PLAY METER COIL | MECH. PANE |
| Z 27-1000 | CENTER EJECT RELAY COIN RELAY GAME OVER RELAY LATCH OUTHOLE RELAY PLAYER RESET RELAY REPLAY RELAY RESET RELAY SIDE EJECT RELAY | MECH. PANE |
| Z 28-1150 | EXTRA BALL RELAY BALL INDEX RELAY TILT RELAY CHANGE RELAY GATE RELAY ON GREEN RELAY ON RED RELAY | MECH. PANI MECH. PANI MECH. PANI PLAYFIELD PLAYFIELD PLAYFIELD PLAYFIELD |
| | | MECH. PAN |

BALL COUNT UNIT DISC

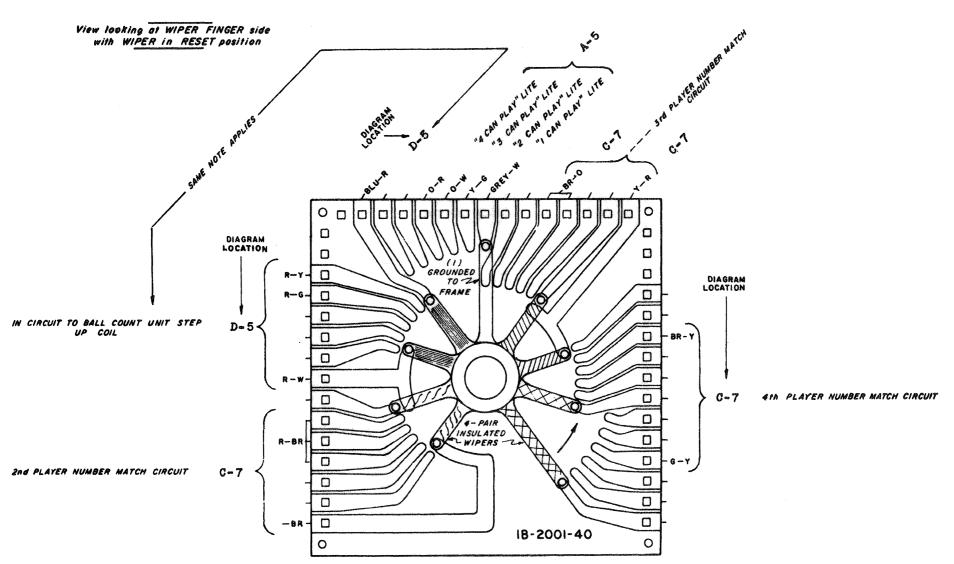
THIS UNIT RESETS AT THE START
OF A NEW GAME, (DURING RESET CYCLE).
IT ADVANCES ONE STEP EACH TIME
THE LAST PLAYER COMPLETES HIS TURN.

View looking at WIPER FINGER side with WIPER in ZERO position.

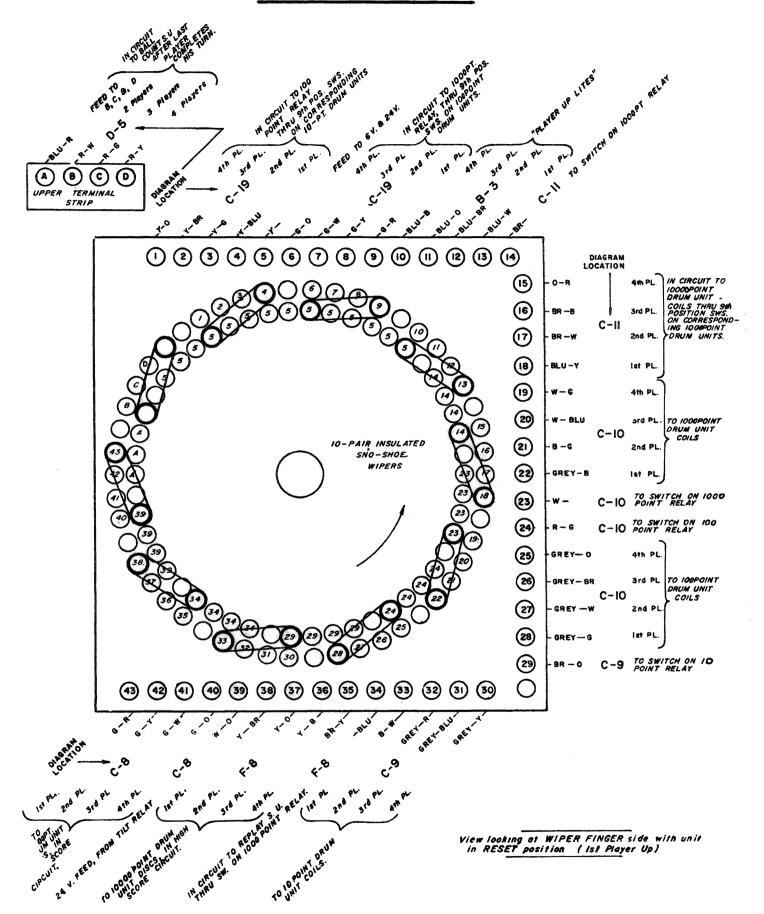


COIN S. U. DISC

THIS UNIT RESETS AT START OF A GAME (DURING RESET CYCLE). IT THEN ADVANCES ONE STEP EACH TIME THE COIN RELAY IS PULSED.

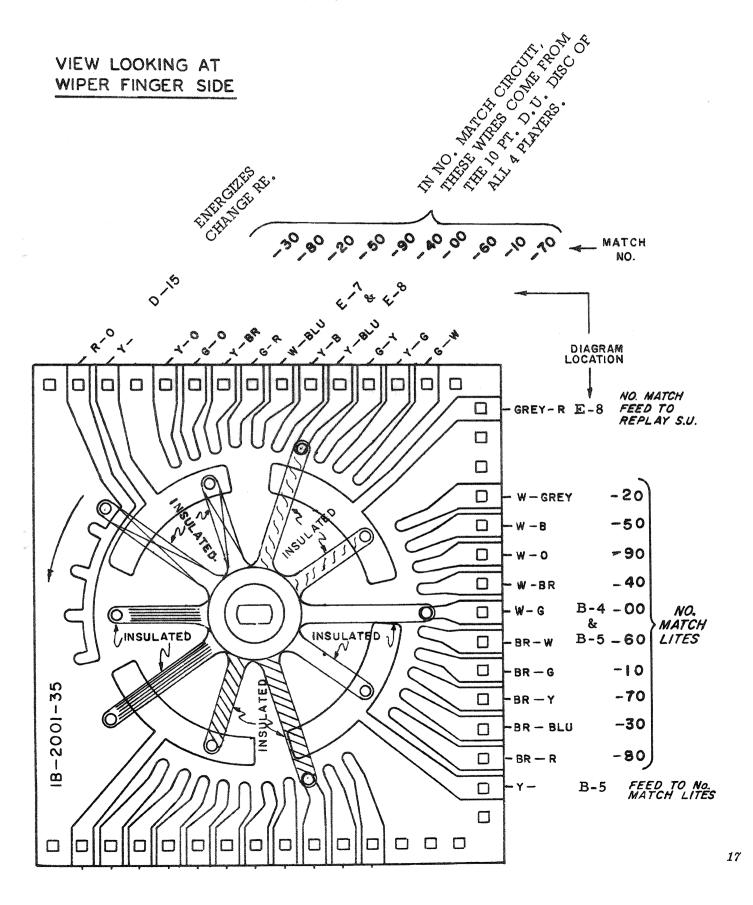


PLAYER UNIT DISC



No. MATCH UNIT

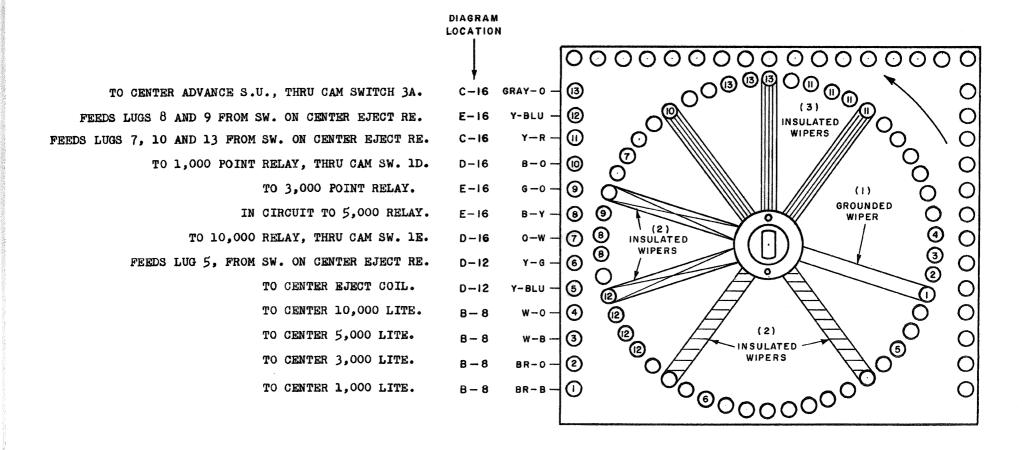
THIS UNIT ADVANCES ONE STEP EACH TIME THE TEN POINT RELAY IS PULSED.



VIEW LOOKING AT WIPER FINGER SIDE, WITH WIPER IN RESET POSITION.

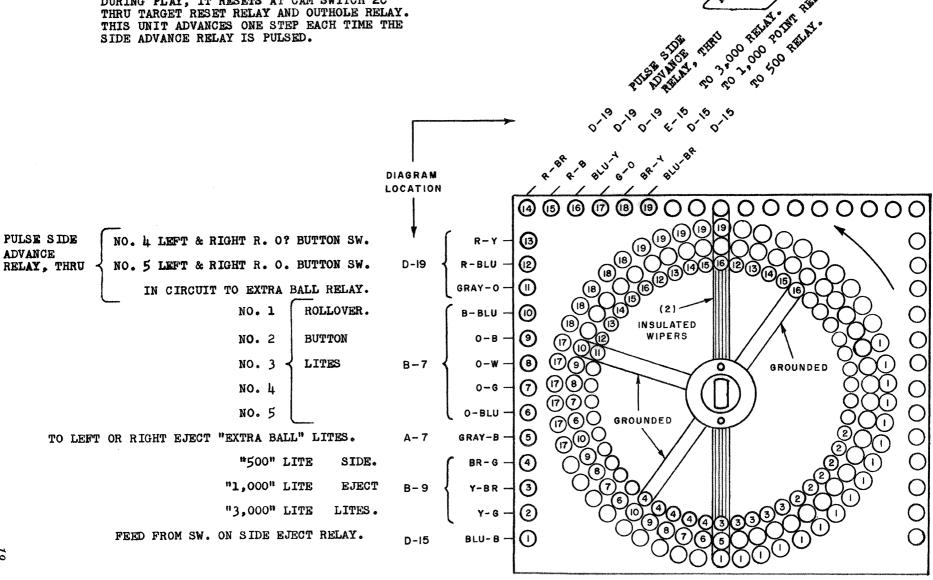
CENTER ADVANCE UNIT

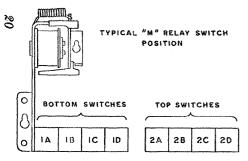
THIS UNIT ADVANCES ONE STEP EACH TIME THE CENTER ADVANCE RELAY IS PULSED.
ALSO BY CENTER EJECT RELAY, THRU LUGS 11 AND 13 ON THIS UNIT DISC.
IT RESETS, DURING RESET CYCLE, AT CAM SWITCH 4D (NORMAL DWELL), THRU RESET RELAY, TARGET RESET RELAY AND COIN RELAY.
IT ALSO RESETS, DURING PLAY, AT CAM SWITCH 4D, THRU BALL INDEX RELAY, TARGET RESET RELAY AND OUTHOLE RELAY. TARGET RESET RELAY AND OUTHOLE RELAY. TARGET RESET RELAY AND CENTER EJECT RELAY.



SIDE ADVANCE UNIT

THIS UNIT RESETS, DURING RESET CYCLE, AT CAM SWITCH 2C, THRU TARGET RESET RELAY AND COIN RELAY. DURING PLAY, IT RESETS AT CAM SWITCH 2C THRU TARGET RESET RELAY AND OUTHOLE RELAY. THIS UNIT ADVANCES ONE STEP EACH TIME THE SIDE ADVANCE RELAY IS PULSED.





10¢ RELAY

IS ENERGIZED BY 10¢ COIN SWITCH IF "10¢ ADJUSTMENT JACK" IS IN "2" OR "3" PLAYS FOR 1 COIN POSITION.

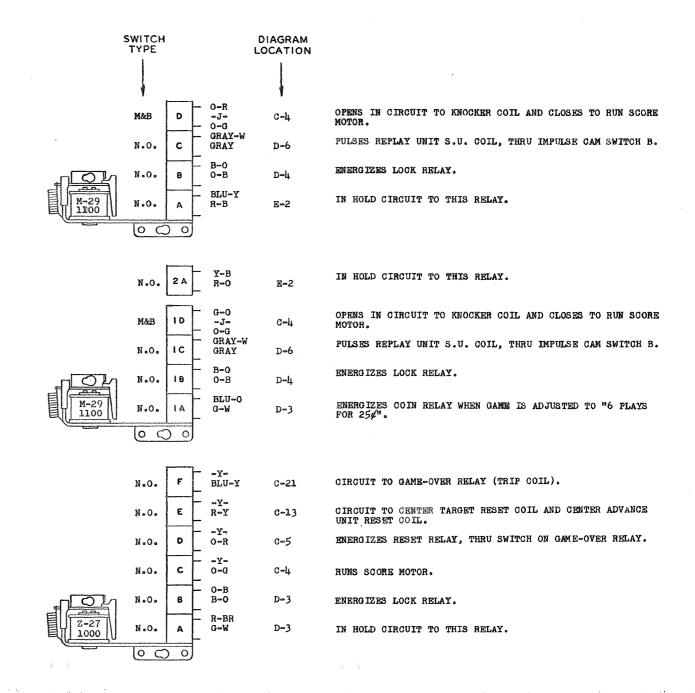
25¢ RELAY

IS ENERGIZED BY 25¢ COIN SWITCH, THRU FRONT DOOR SLAM SWITCH.

COIN RELAY

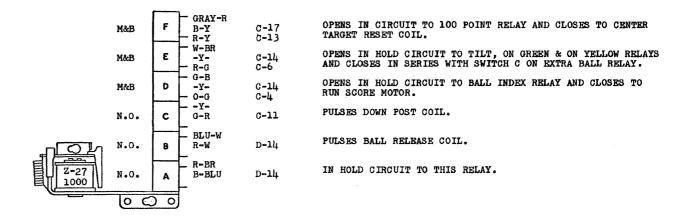
IS ENERGIZED BY REPLAY RELAY OR COIN SWITCH.

RELAYS & SWITCHES LOCATED ON MECHANISM PANEL



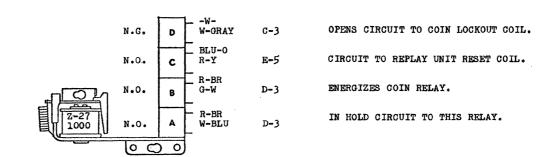
OUTHOLE RELAY

IS ENERGIZED BY OUTHOLE SWITCH, THRU INDEX CAM SWITCH E.



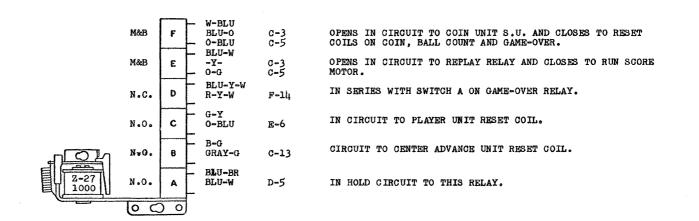
REPLAY RELAY

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



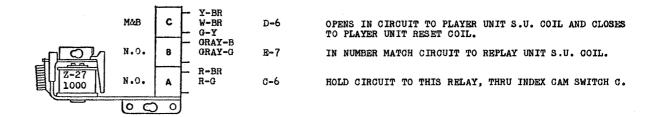
RESET RELAY

IS ENERGIZED BY COIN RELAY, THRU SWITCH ON GAME-OVER RELAY.



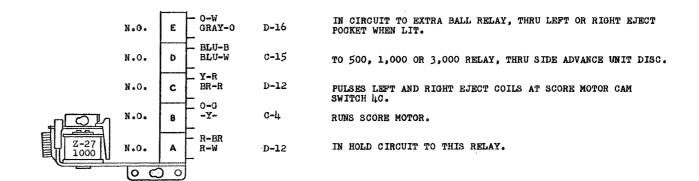
PLAYER RESET RELAY

IS ENERGIZED BY BALL COUNT UNIT END-OF-STROKE SWITCH. IT THEN HOLDS IN THRU INDEX CAM SWITCH C.



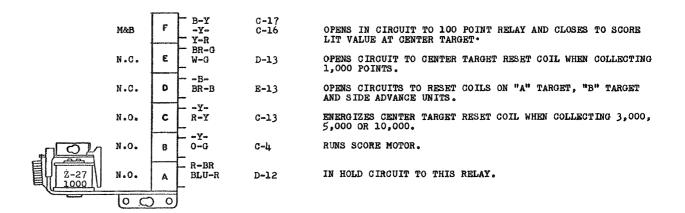
SIDE EJECT RELAY

IS ENERGIZED BY LEFT OR RIGHT SIDE EJECT SWITCH, THRU INDEX CAM SWITCH E.



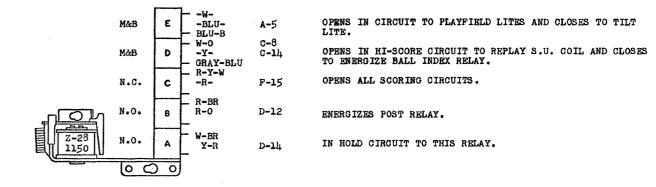
CENTER EJECT RELAY

IS ENERGIZED BY CENTER EJECT SWITCH, THRU INDEX CAM SWITCH E.



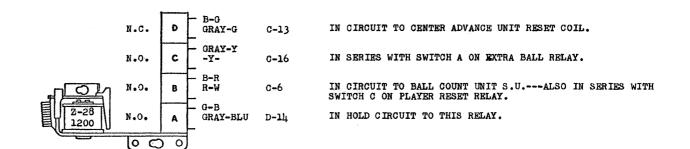
TILT RELAY

IS ENERGIZED BY PLUMB BOB TILT, BALL ROLL-DOWN TILT OR PLAYFIELD VIBRATION TILT SWITCH.



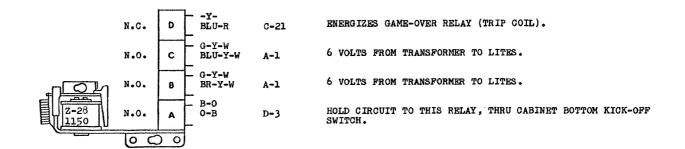
BALL INDEX RELAY

IS ENERGIZED BY 10 POINT, 100 POINT OR 1,000 POINT RELAY, THRU SWITCH ON EXTRA BALL RELAY.
ALSO BY TILT RELAY.



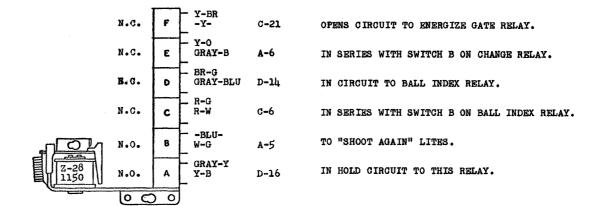
LOCK RELAY

IS ENERGIZED BY LEFT FLIPPER BUTTON OR 5ϕ , 10ϕ , 25ϕ OR COIN RELAYS.



EXTRA BALL RELAY

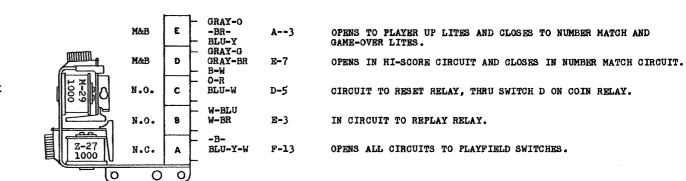
IS ENERGIZED BY LEFT OR RIGHT EJECT SWITCH, THRU CHANGE RELAY, SIDE EJECT RELAY AND SIDE ADVANCE UNIT DISC.
IT IS ALSO ENERGIZED BY HI-SCORE CIRCUIT, THRU "REFLAY-EXTRA BALL" ADJUSTMENT JACK.



GAME OVER RELAY

INTERLOCK

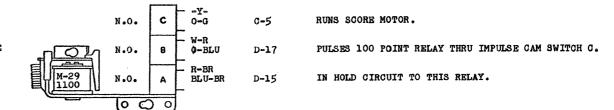
LATCH COIL IS PULSED BY SCORE MOTOR CAM SWITCH 1A, THRU SWITCHES ON COIN RELAY AND RESET RELAY. TRIP COIL IS ENERGIZED BY COIN RELAY, LOCK RELAY OR WIPER ON BALL COUNT UNIT.



LOCATED ON PLAYFIELD

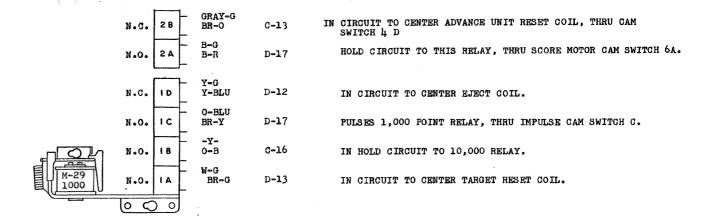
500 RELAY

IS ENERGIZED BY LEFT OR RIGHT TOP ROLL-OVER SWITCH, THRU SWITCH ON CHANGE RELAY. ALSO BY SIDE EJECT RELAY, THRU WIPER ON SIDE ADVANCE UNIT.



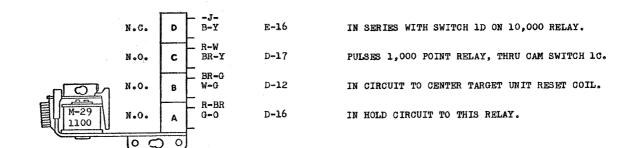
5000 RELAY

IS ENERGIZED BY CENTER EJECT RELAY, THRU WIPER ON CENTER ADVANCE UNIT.



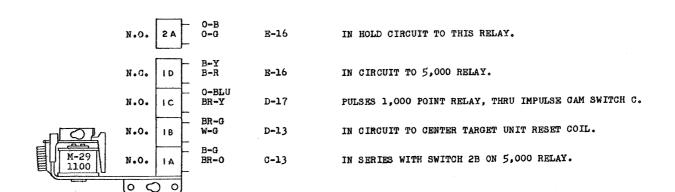
3000 RELAY

IS ENERGIZED BY CENTER EJECT RELAY, THRU WIPER ON CENTER ADVANCE UNIT--- OR BY SIDE EJECT RELAY, THRU WIPER ON SIDE ADVANCE UNIT.



10.000 RELAY

IS ENERGIZED BY CENTER EJECT RELAY, THRU WIFER FINGER ON CENTER ADVANCE UNIT.



TARGET RESET RELAY

IS ENERGIZED BY "A" AND "B" TARGET SWITCHES AT SCORE MOTOR INDEX CAM SWITCH E.

CENTER ADVANCE RELAY

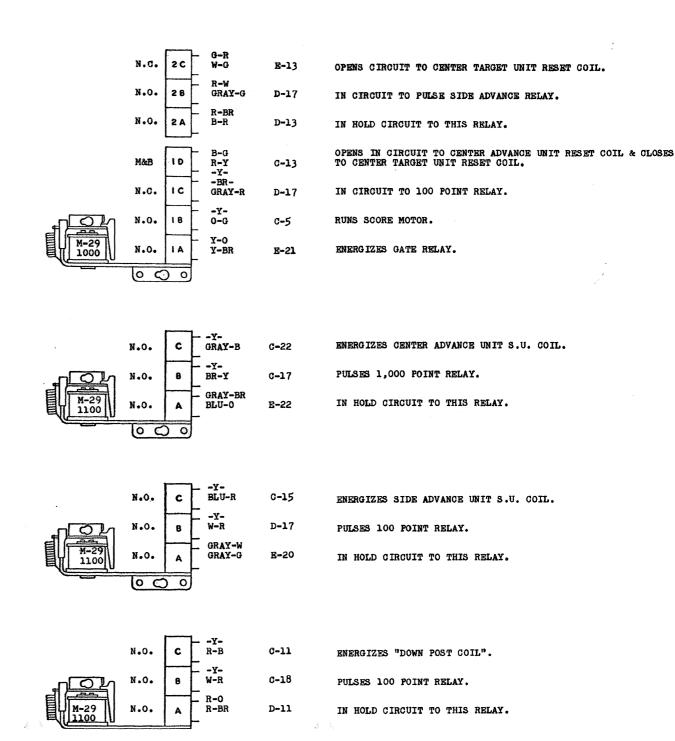
IS ENERGIZED BY TOP CENTER ROLLOVER SWITCH.

SIDE ADVANCE RELAY

IS PULSED BY "TARGET RESET RELAY" OR BY ANY OF THE 10 ROLLOVER BUTTONS WHEN LIT. ALSO BY THE TOP CENTER ROLLOVER BUTTON SWITCH.

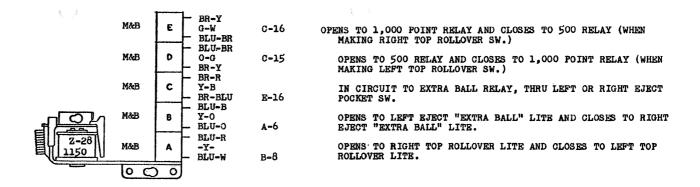
POST RELAY

IS ENERGIZED BY ROLLOVER BUTTON (AS INDI-CATED), OR BY TILT RELAY.



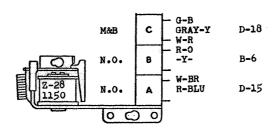
CHANGE RELAY

IS ENERGIZED BY WIPER FINGER ON NUMBER MATCH UNIT (EVERY OTHER STEP).



ON RED RELAY

IS ENERGIZED BY LEFT TOP ROLLOVER SWITCH.



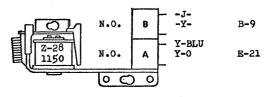
OPENS IN CIRCUIT TO 10 POINT RELAY AND CLOSES TO 100 POINT RELAY, THRU LEFT TOP OR RIGHT BOTTOM BUMPER SWITCHES.

TO LEFT TOP AND RIGHT BOTTOM JET BUMPER LITES.

IN HOLD CIRCUIT TO THIS RELAY.

GATE RELAY

IS ENERGIZED BY TARGET RESET RELAY, THRU SWITCH ON EXTRA BALL RELAY.

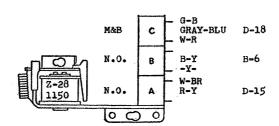


TO RIGHT BOTTOM ROLLOVER LITE.

HOLD CIRCUIT TO THIS RELAY, THRU "BALL REST SWITCH".

ON GREEN RELAY

IS ENERGIZED BY RIGHT TOP ROLLOVER SWITCH.



OPENS IN CIRCUIT TO 10 POINT RELAY AND CLOSES TO 100 POINT RELAY, THRU RIGHT TOP OR LEFT BOTTOM BUMPER SWITCHES.

TO RIGHT TOP AND LEFT BOTTOM JET BUMPER LITES.

IN HOLD CIRCUIT TO THIS RELAY.

LOCATED IN BACKBOX

10 POINT RELAY

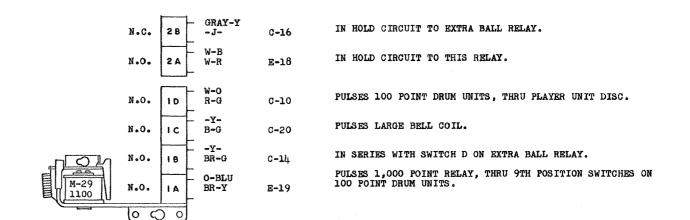
IS PULSED BY JET BUMPER SWITCHES, THRU "ON RED" OR "ON GREEN" RELAYS. ALSO BY STAND-UP AND KICKER SWITCHES.

| | N.O. | 2 A | W-BLU G-B | E-18 | IN HOLD CIRCUIT TO THIS RELAY. |
|--------------|------|----------|----------------|------|--|
| | N.O. | 10 | W-O BR-O | C-9 | PULSES 10 POINT DRUM UNITS, THRU PLAYER UNIT DISC. |
| | N.O. | 10 | -Y- GRAY-BR | C-21 | ENERGIZES NUMBER MATCH S.U. COIL. |
| #DESKY | N.O. | 18 | -Y- BR-G | C-14 | IN SERIES WITH SWITCH D ON EXTRA BALL RELAY. |
| M-29 1100 | N.O. | IA | B-G W-R | E-19 | PULSES 100 POINT RELAY, THRU 9TH POSITION SWITCHES ON 10 POINT DRUM UNITS. |
| | 6 | <u>)</u> | | | |

100 POINT RELAY

IS PULSED BY:

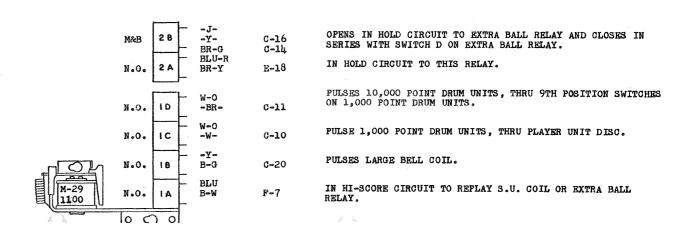
- a. POST RELAY.
- b. CENTER JET BUMPER SWITCH.
- c. OTHER 4 JET BUMPER SWITCHES, THRU "ON RED" AND "ON GREEN" RELAYS.
- d. LEFT AND RIGHT STAND-UP SWITCH.
- e. "A", "B" AND "CENTER" DROP TARGET SWITCHES.
- f. SIDE ADVANCE RELAY.
- g. 500 RELAY, THRU IMPULSE CAM SW. C.



1000 POINT RELAY

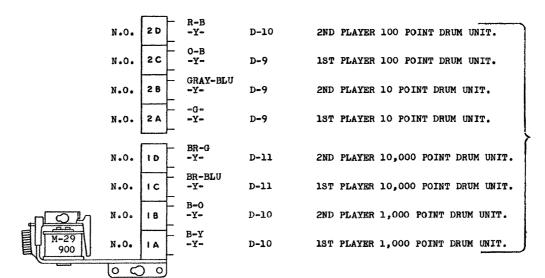
IS PULSED BY:

- a. SIDE EJECT RELAY, THRU WIPER ON
- SIDE ADVANCE UNIT. b. LEFT AND RIGHT TOP ROLLOVER SWITCH, THRU SWITCHES ON CHANGE RELAY.
- c. CENTER EJECT RELAY, THRU WIPER ON CENTER ADVANCE UNIT.
- d. CENTER ADVANCE RELAY.
 e. LEFT AND RIGHT BOTTOM ROLLOVER SWS. f. 3,000 RELAY, 5,000 RELAY OR 10,000 RELAY.



I-2 RESET RELAY

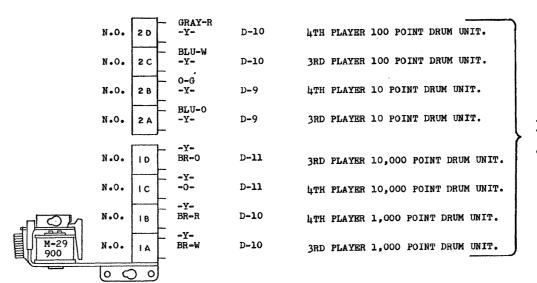
IS PULSED BY IMPULSE CAM SW. A $\!\!\!/$ THRU SWITCH A ON RESET RELAY.



THESE SWITCHES PULSE THE INDICATED DRUM UNIT, THRU ZERO SWITCH ON THAT UNIT.

3-4 RESET RELAY

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



THESE SWITCHES PULSE THE INDICATED DRUM UNIT, THRU ZERO SWITCH ON THAT UNIT.

CATALOG SUPPLEMENT "S-S"

WITH

NEW PARTS & UNITS

FOR

HONEY

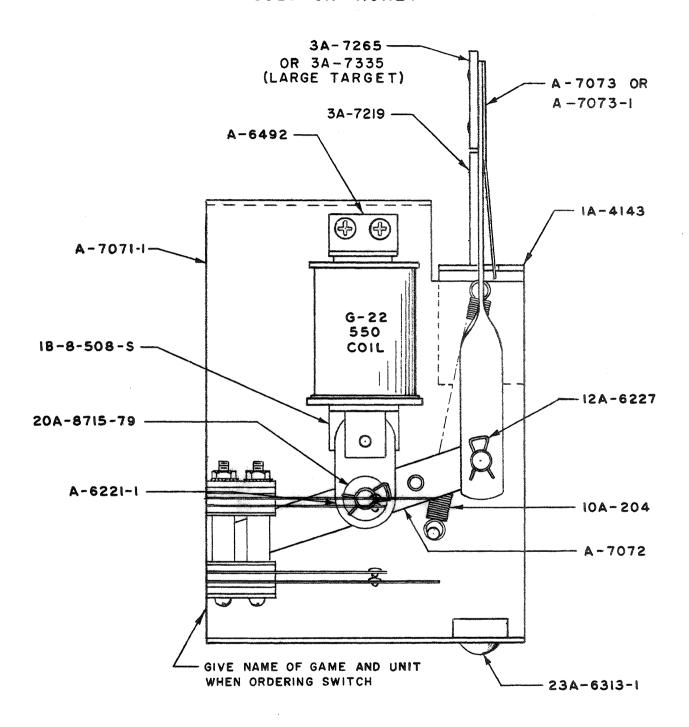


3401 N. California Ave. Phone 267-2240

Chicago, III. 60618, U.S.A. Cable Address: Wilcoin

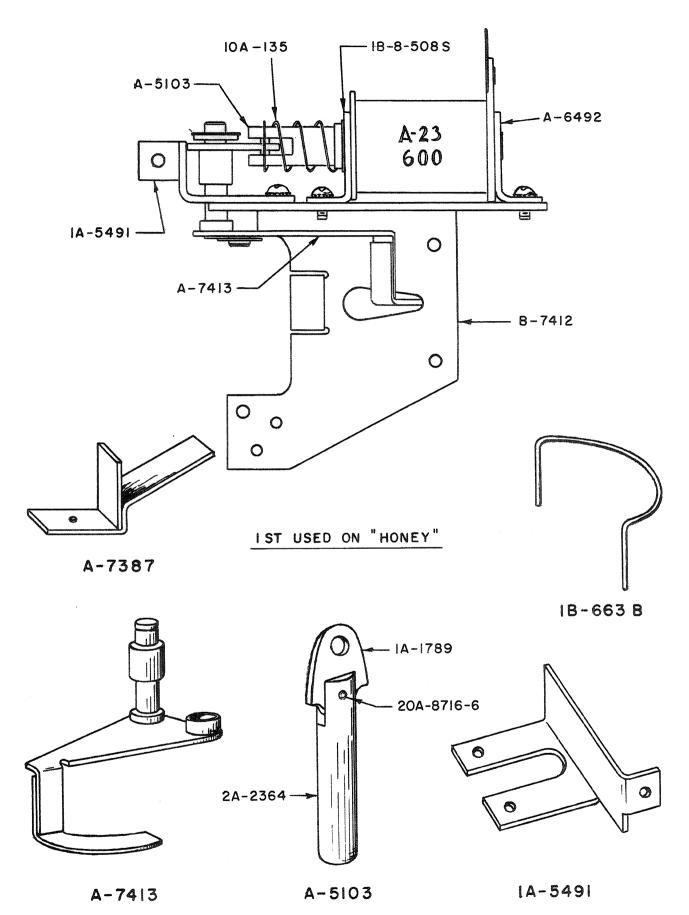
DROP TARGET ASSEMBLY

C-7090 (WITH SMALL TARGET)
C-7090-I (WITH LARGE TARGET)
USED ON "HONEY"



NOTE: SPECIFY DESIGN AND COLOR ON TARGET

B-7407 BALL EJECT ASS'Y.



PRICE LIST

ARRANGED IN NUMERICAL ORDER

| PART NO. | DESCRIPTION | PRICE |
|-------------|---------------------------------------|-------|
| 1B-8-508-S | Coil Support Bracket | 80. |
| 1B-663-B | Ball Guide Wire | •52 |
| 1A-1789 | Armature Link | .14 |
| 1A-4143 | Stop Bracket | • 70 |
| 1A-5491 | Plunger Stop Bracket | •50 |
| 2A-2364 | Solenoid Plunger | •38 |
| 3A-7219 | Plastic Stage-Drop Target | .04 |
| 3A-7265 | Plastic Target Small (Specify Design) | .14 |
| 3A-7335-4 | Plastic Target Large (Specify Design) | .14 |
| 10A-135 | Plunger Spring; | . 04 |
| 10A-204 | Spring-Drop Target | .08 |
| 12A-6227 | Hairpin Clip | .02 |
| 20A-8713-25 | Truarc Crescent Ring | • 01 |
| 20A-8715-79 | Washer | .02 |
| 20A-8716-6 | Roll Pin 1/8 x 7/16 Long | • 014 |
| 23A-6313-1 | Rubber Bumper | .04 |
| A-23-600 | Coil-Ball Eject | 2.10 |
| G-22-550 | Coil-Drop Target | 2.00 |
| A-5103 | Plunger & Link | .78 |
| A-6221-1 | Plunger & Link | .80 |
| A-6492 | Coil Stop | .82 |
| A-7071-1 | Frame | 2.30 |
| A-7072 | Target Crank | 1.82 |
| A-7073 | Arm Assembly W/Small Target | 2.44 |
| A-7073-1 | Arm Assembly W/Large Target | 1.80 |
| C-7090 | Drop Target W/Small Target | 15.88 |
| C-7090-1 | Drop Target W/Large Target | 15.30 |
| A-7387 | Ball Stop Bracket | .70 |
| A-7407 | Center Ball Eject-Special | 9.50 |
| B-7412 | Mounting Plate | 1.36 |
| A-7413 | Eject Lever | 1.50 |
| B-7442 | Switch & Bracket-Small Target | 3.10 |
| B-7hh2-1 | Switch & Bracket-Large Target | 2.00 |

15B-6782 POWER TRANSFORMER

(Replaces --- 15A-6773)

| USE TAP | IF LINE VOLTAGE IS |
|---------|--------------------|
| 105 V. | 109 or LESS |
| 117 V. | 110 to 122 |
| 130 V. | 123 to 135 |
| 160 V. | 150 to 170 |

| USE TAP | IF LINE VOLTAGE IS |
|---------|--------------------|
| 205 V. | 190 to 208 |
| 225 V. | 209 to 228 |
| 240 V. | 229 to 250 |

If game has sluggish action and dim lites, check line voltage and use proper primary tap as suggested above. For example, if line voltage is below 110V., wire may be disconnected from 117V. tap and soldered to 105V. tap. This will increase secondary voltage approximately 2-3 volts.

If action is sluggish, and proper primary tap is being used, disconnect wire from 24V. tap and solder to "high" tap. This will increase voltage to coils approximately 2-3 volts.

10 OR 12 PLAYS FOR I - COIN 4-PLAYER

