

WILD CAT
SERVICE INSTRUCTIONS

• AND •

PARTS CATALOG

• FOR •

PRODUCTS

of

Games, Inc.

. . . Manufacturers . . .

2950 NORTH CAMPBELL AVE.

CHICAGO 18, ILLINOIS

COrnelia 7-8800

WILD CAT

OPERATION CHECK

After machine is set up and leveled, remove back door and untie A.C. line cord. Replace back door with service cord placed in notch provided.

Plug cap into good 117 Volt A.C. source, turn power switch on. (Power switch is located on the back right side of cabinet.)

Replace cash box and front door, making certain the 4-point jack is in place securely and properly. Drop coin (5¢, 10¢, or 25¢ as indicated) into coin slot, replay step up should register one unit for each coin deposited.

After credit has been established, push start handle on front of cabinet. The four columns of symbols on the glass will start to flash, and one replay will be reset on the replay step up. The flashing will stop, in sequence (left to right) one row at a time. When the fourth symbol is lighted and if the lit symbols correspond to a winning combination on the score chart, the proper amount will be registered on the replay step up.

To check replay reset, have a number of credits on replay step up, then operate power toggle switch off and on. Replay register should reset to zero.

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SEQUENCE OF OPERATION

When a coin is deposited in the coin slot, it travels thru the coin rejector and if accepted, operates the coin switch. The coin switch energizes the coin relay. Contacts on the coin relay, energize the lock relay and the advance coil on the replay step up. The replay step up being off of zero position makes its switch contact and this completes the circuit to the start handle switches.

Operating the start handle, closes the start switch, energizing the Timer solenoid. The Timer solenoid arm switches are actuated; starting the Timer Impulse Drive motor, and completing a lock circuit for the Timer solenoid, until it moves off the zero position.

Timer 1st position switch being actuated, resets the Commutator step up, Replay step up, and advances the Alternator step up and total play meter one position. The Timer Brush Arm wipers making contact with the rivets, energize #1 and #2 Flasher solenoids. A switch on #1 Flasher solenoid arm, energizes #3 Flasher solenoid; switch on #2 Flasher solenoid arm energizes the #1-2 Flasher Drive motor; and switch #2 energizes #4 Flasher solenoid. #4 Flasher solenoid arm switch starts the #3-4 Flasher Drive motor. The Timer runs until the index dog is engaged in the first mixing notch position. (Approximately 65° degree from zero position.) The switches being closed on #3 and #4 Flasher solenoid arms, permit current to flow from the Variator disc (when a hot rivet is contacted) to the Timer solenoid. The Timer solenoid being energized, the Timer continues on its cycle. (The next two notches on the Timer stop disc go thru the same mix cycle.) The Timer Brush Arm wiper leaves the rivets energizing #1 Flasher solenoid and the same wiper picks up #3 Flasher solenoid. #1 Flasher is stopped, as the Timer Brush Arm moves on, it stops #2, #3, and #4 in the same manner. If a winner is present the Brush Arm will stop at the *342° position holding that position until the Score relay releases and completes contacts to start the Timer on its cycle. When the Score relay is energized it opens the circuit to the Timer solenoid and energizes the Impulse solenoid. The Impulse disc pulses the replay step up and the Commutator step up; when the Commutator step up has been advanced the proper number of times for a given combination, it drops out the Score relay. The scoring being completed, the Timer Brush Arm advances to zero position, ready for the next play.

*EXCEPTION: The three and four Elk combination operate at the 342° position on Timer disc.

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VARIATOR UNIT

The sole function of the Variator unit is to start the Timer unit on its cycle when the Timer is stopped in one of the three mix positions. This is accomplished when the Variator wiper contacts a rivet and passes current through switches on #3 and #4 Flasher unit to energize the Timer solenoid.

SERVICE OR REPAIR NOTE

Should it become necessary to repair the Timer unit, careful attention will be required on reassembly. The stop disc cam will have to be indexed in notch marked in red, and the wiper arm replaced with contacts in position marked zero on Timer disc. The Timer solenoid arm switch should be adjusted as follows:

Bottom switch (make switch) should make contact 1/32" before stop dog leaves index notch. Top switch (make-break switch) should break 1/64" before stop dog leaves index notch. With stop dog resting on Timer index cam (not in notch) both contacts of top switch should not contact. The top switch make will contact only when the Timer solenoid plunger is bottomed and the stop dog is raised approximately 3/32" above cam.

All other units and switches in this machine will take standard care and adjustments.

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REPLACEMENT PARTS LIST

<u>Parts No.</u>	<u>Description</u>
<u>Cabinet</u>	
G-20 ST-180	Wild Cat Cabinet Glass Leveler
H-140	5¢ Coin Drop Plate
H-141	10¢ Coin Drop Plate
H-142	25¢ Coin Drop Plate
CH-1101	5¢ Etch Plate
H-81	10¢ Etch Plate
H-77	25¢ Etch Plate
H-83	Ash Tray
G-28	Coin Slide
2-AS-4	Start Handle Assembly
S-7	Start Handle Switch
ST-1	Start Handle Switch Arm
G-15	Start Handle Spring
G-14	Handle Mounting Plate
D-109	Female Socket (110 V.A.C.)
D-119	Spacers (For D-109 Socket Mounting)
D-752	Two Conductor A.C. Line Cord
H-134	Terminal Strip (For A.C. Line Cord)
D-348	Male Cap (110 V.A.C. Line Cord)
H-121	On-Off Toggle Switch
G-29	Cash Box
H-58	Cash Box Bracket

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REPLACEMENT PARTS LIST

Cabinet Door Assemblies

<u>Part No.</u>	<u>Description</u>
2-AS-10	Front Door Assembly (Complete)
G-30	Front Door
D-362	Lock
H-173	Coin Guide
G-31	5¢ Coin Rejector Complete
G-32	10¢ Coin Rejector Complete
G-33	25¢ Coin Rejector Complete
H-128	5¢ Coin Rejector Only
H-129	10¢ Coin Rejector Only
H-130	25¢ Coin Rejector Only
G-34	Lockout Magnet (50V)
H-286	Coin Switch (For 5¢ 10¢ 25¢ Coin Rejector)
H-287	Coin Switch Wire(" " " " " ")
1-AS-25	Scavenger Assembly
ST-148	Bushing (For Scavenger Assembly)
ST-237	Scavenger Lever Pin
ST-125	Coin Return Cup
G-22	Coin Chute Cable

Back Door

2-AS-2	Back Door Assembly
G-35	Back Door
D-362	Lock

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REPLACEMENT PARTS LIST

Light Board

<u>Part No.</u>	<u>Description</u>
2-AS-3	Light Board Assembly (Complete)
G-23	Insert Cable
D-199	Lamp Sockets
D-194	Lamps (#55)
G-38	Lamps (#51)
G-44	Replay Step Up Unit (Complete)
26-1200	Advance Solenoid Coil
26-1200	Reset Solenoid Coil
H-63	Drive Pawl & Plunger Assembly
H-288	Drive Pawl Only
H-290	4-Tooth Drive Wheel
H-291	#1 Counter Wheel
H-292	#2-3-4 Counter Wheel
H-293	8-Tooth Spur Gear
H-294	Index Arm & Roller Assembly

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REPLACEMENT PARTS LIST

Timer and Impulse Unit Assembly

Part No.	Description
2-AS-9	Timer and Impulse Unit Complete Drive Motor (Spec #2657 15 RPM) Clutch Pulley (2) Leather Clutch Disc (2)
H-209	
D-182	
D-181	
D-1053	Index Dog and Plunger Assembly (2) Index Dog Spring (2) Solenoid Plunger (2) 1/8" dia. x 1/2" Tubular Rivet (2) Shoulder Stud (Mounting for Index Dog Assembly to Stand) (2) Hair Pin Clip (2)
D-284	
D-283	
CT-19	
BDM-663	
2-AS-11	Index Solenoid Assembly (2) Solenoid Coil (2) Solenoid Plunger Stop Stud Assembly (2)
28-1900	
D-885	
D-174	Impulse "O" Switch (Single Make) Timer "O" Switch (One Make & Make-Break) 1st Position Timer Switch (Two Makes) 2nd Position Timer Switch (One Make & One Break)
S-9	
S-12	
S-11	
2-AS-12	Timer Stop Disc Assembly (6 Notch cam) Impulse Stop Disc Assembly (1 Notch cam)
D-197	
2-AS-13	Timer Brush Arm Assembly Impulse Brush Arm Assembly
2-AS-14	
BW-12	Timer Disc Assembly (Wired Complete) Impulse Disc Assembly (Wired Complete)
BW-13	

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REPLACEMENT PARTS LIST

No. 1 and No. 2 Flasher Unit Assembly

Part No.	Description
2-AS-15	No. 1-2 Flasher Unit Complete Drive Motor (Spec. #2913 30 RPM) Clutch Pulley (2) Leather Clutch Disc (2)
G-43	
D-182	
D-181	
D-1053	Index Dog & Plunger Assembly (2) Index Dog Spring (2) Solenoid Plunger (2) 1/8" dia. x 1/2" Tubular Rivet (2) Shoulder Stud (Mounting for Index Dog Assembly to Stand) (2) Hair Pin Clip (2)
D-284	
D-283	
CT-19	
BDM-663	
2-AS-11	Index Solenoid Assembly (2) Solenoid Coil (2) Solenoid Plunger Stop Stud Assembly (2)
28-1900	
D-885	
S-13	#1 Index Arm Switch (One Make & One Break) #2 Index Arm Switch (Two Makes)
S-8	
JP-66	Stop Disc Assembly (2) (20 Notch Cam)
2-AS-17	#1 Flasher Brush Arm Assembly #2 Flasher Brush Arm Assembly
2-AS-18	
BW-8	#1 Flasher Disc Assembly (Wired Complete) #2 Flasher Disc Assembly (Wired Complete)
BW-9	

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REPLACEMENT PARTS LIST

No. 3 and No. 4 Flasher Unit Assembly

<u>Part No.</u>	<u>Description</u>
2-AS-20	No. 3-4 Flasher Unit Complete
G-43	Drive Motor (Spec. #2913 30 RPM)
D-182	Clutch Pulley (2)
D-181	Leather Clutch Disc (2)
D-1083	Index Dog & Plunger Assembly (2)
D-284	Index Dog Spring (2)
D-283	Solenoid Plunger (2)
	1/8" dia. x 1/2" Tubular Rivet (2)
CT-19	Shoulder Stud (Mounting for Index Dog Assembly to Stand) (2)
BDM-663	Hair Pin Clip (2)
2-AS-11	Index Solenoid Assembly (2)
28-1900	Solenoid Coil (2)
D-885	Solenoid Plunger Stop Stud Assembly (2)
S-8	#3 Index Arm Switch (Two Makes)
S-8	#4 Index Arm Switch (Two Makes)
JP-66	Stop Disc Assembly (2) (20 Notch Cam)
2-AS-19	#3 Flasher Brush Arm Assembly
2-AS-18	#4 Flasher Brush Arm Assembly
BW-10	#3 Flasher Disc Assembly (Wired Complete)
BW-11	#4 Flasher Disc Assembly (Wired Complete)

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REPLACEMENT PARTS LIST

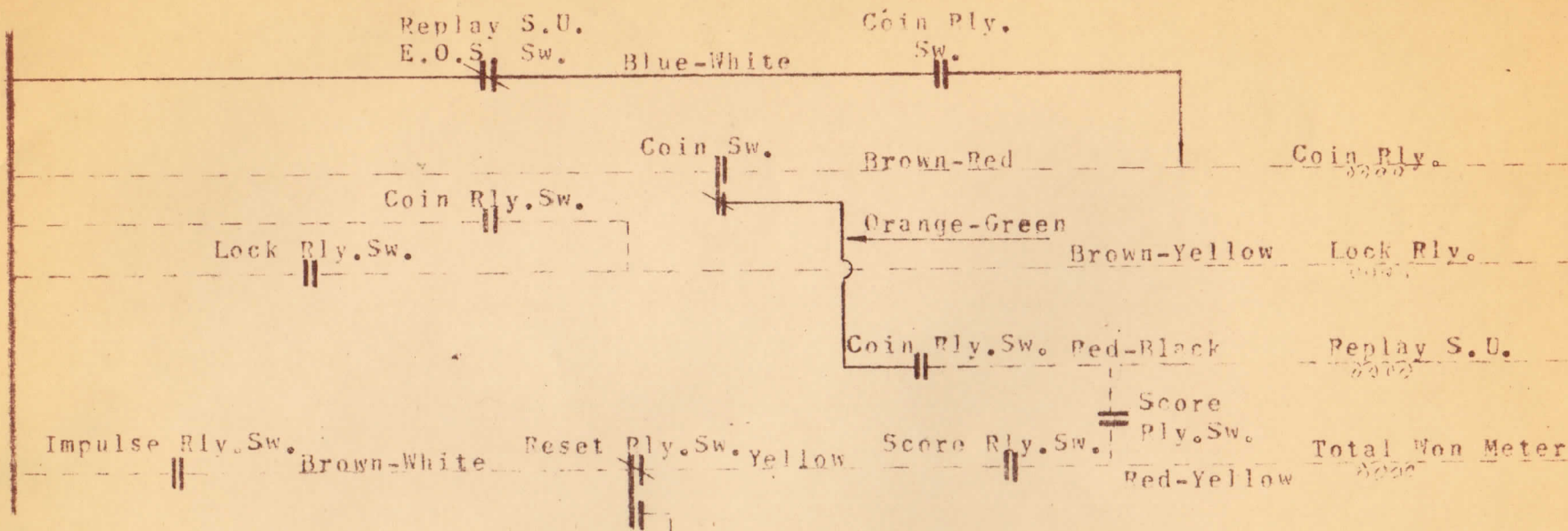
<u>Part No.</u>	<u>Description</u>
Relays	
R-9	Lock Relay (One Make; One Break-Make)
R-3	Coin Relay (Two Makes)
R-10	Reset Relay (Two Makes; One Break; One Break-Make)
R-11	Score Relay (Four Makes; One Break)
R-12	Wild Cat Relay (One Make; One Break)
R-13	Rabbit Relay (One Make; One Break-Make)
R-1	Impulse Relay (One Make)
R-1	Commutator Relay (One Make)
Commutator Step Up Unit	
2-AS-6	Commutator Step Up Unit Complete
BW-7	Commutator Disc (Wired Complete)
25-1000	Step Up Solenoid Coil
27-1100	Reset Solenoid Coil
2-AS-16	Wiper Arm Assembly
Alternator Unit	
2-AS-7	Alternator Unit Complete
S-10	Alternator Cam Switch (Two Break-Makes)
S48B	Solenoid Coil
Variator Unit	
2-AS-8	Variator Unit Complete
H-68	Variator Motor (4 RPM)
BW-14	Variator Disc (Wired Complete)
H-55	Variator Wiper Assembly

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REPLACEMENT PARTS LIST

Miscellaneous

Part No.	Description
G-12	Total Play Meter (TAB Mod. E-130-10 A.C.V. 50)
G-12	Total Won Meter (TAB Mod. E-130-10 A.C.V. 50)
G-40	Transformer (117 V. Pri.; 6 and 50 V. Sec.)
ST-192	Fuse Block
G-41	10 Amp. Fuse (2)
G-42	15 Amp. Fuse
D-387	Male Plug 2 Pt.
D-388	Female Socket 2 Pt.
D-389	Male Plug 4 Pt.
D-390C	Female Socket 4 Pt.
D-393	Male Plug 8 Pt.
D-394	Female Socket 8 Pt.
D-399	Male Plug 14 Pt.
D-400	Female Socket 14 Pt.
D-405	Male Plug 22 Pt.
D-406	Female Socket 22 Pt.
D-407	Male Plug 24 Pt.
D-408	Female Socket 24 Pt.



----- Indicates Present Wiring Diagram

----- Corrected for Machines #1103 and over

BREAK ALL SHARP EDGES
NOTIFY ENGINEERING OF ALL CHANGES

GAMES, INC.
CHICAGO 10, ILLINOIS

						TOLERANCE UNLESS OTHERWISE SPECIFIED			
						FRACTIONAL ±		DECIMAL ±	
						SCALE		MATERIAL	
						DATE		FINISH	
						3-17-59		DRAWN	
								CHECKED	
								APPROVED	
						PART Wild Cat			PART
						NAME Diagram Correction			NO.
CHANGE	WAS	DATE	ASS'Y. NO.	NO. REQ.	UNIT				

