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FACTORY CONTACT INFORMATION



Our Vision:

We aspire to be the best in the world at developing and manufacturing coin operated games for our customers.

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All games proudly manufactured at our factory in Pulaski, Wisconsin U.S.A.

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WELCOME TO: Pull My Finger

Congratulations on your Pull My Finger™ purchase!

You already know this product delivers much more than an action-filled game with big profits. Pull My Finger™ is, in simple terms, the epitome of goofy fun! It replicates the kind of fun we had as kids, and has the innate ability to sweep a family with laughter in a matter of seconds!

Please take a moment to read through this manual and be sure to contact our factory if you have any questions, or would like some more information. Pull My Finger™ has built in playfield diagnostics, automatic data tracking (viewable on the marquee displays), dual ticket trays, and a sweet choreography package that keeps people playing...and laughing...and playing... and, well you get the point! Enjoy!

Your business is important to us and we hope you enjoy this game as much as we do!

Your Friends at Bay Tek Games



GAME INSPECTION

Inspect the game for any damaged, loose, or missing parts. If damage is found, please contact your freight carrier first. Then, contact Bay Tek Games Service Department at 920.822.3951 or e-mail them at service@baytekgames.com for further assistance.

SPECIFICATIONS

WEIGHT	
WEIGHT	675 lbs.
SHIP WEIGHT	755 lbs.

DIMENSIONS	
WIDTH	49"
DEPTH	32 1/4"
HEIGHT	91"









OPERATING TEMPERATURE	
80 - 100 Degrees	Fahrenheit
26.7 - 37.8 Degrees	Celsius

POWER REQUIREMENTS			
INPUT VOLTAGE RANGE	110 to 120 VAC	or	220 to 240 VAC
INPUT FREQUENCY RANGE	50 HZ	to	60 HZ

MAX START UP CURRENT
1.6 AMPS @ 115 VAC
0.8 AMPS @ 230 VAC

OPERATING CURRENT
1.3 AMPS @ 115 VAC
.65 AMPS @ 230 VAC

SAFETY PRECAUTIONS

 DANGER 
DO NOT perform repairs or maintenance on this game with the power ON. Unplug the unit from the wall outlet or shut off the power at the power strip located inside the game cabinet.
 WARNING 
Use of flammable substances can cause severe burns or serious injury. Always use NON-FLAMMABLE solvents for cleaning. DO NOT use gasoline, kerosene, or thinners.
 CAUTION 
Lifting heavy objects can cause back, neck, or other injuries. Be sure adequate lifting and moving devices are available when unloading, unpacking, and moving this game.
 ATTENTION 
Be sure the electrical power matches the game requirements. See the serial number decal located on the back of the game cabinet. Always plug game into a grounded circuit. If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.

HOW TO PLAY: Pull My Finger

Pull My Finger™ is a bright and colorful ticket redemption game that encourages players to pull the monkey's finger, which shoots a ball into the playfield where six targets are located.

The targets display alternating ticket values for an added challenge. If timing and accuracy are on point, players can win the big bonus. This selectable bonus ranges from 25 tickets all the way up to a whopping 1000 bonus tickets! (Factory default is 250)

If the ball does not go straight into a target, automatic flippers have been installed on the playfield to keep the ball bouncing until it is launched into a target.

The large, bright and colorful cabinet draws players to this simple ticket redemption game, while the charismatic monkey keeps kids of all ages highly entertained time and time again!

Standard features include: dual ticket dispensers, adjustable bonus patterns, built in diagnostics, and performance tracking software.



QUICK SET-UP GUIDE

Tools needed:

1/2" socket & ratchet
5/32" Allen wrench **or** drill with #2 square bit
7/16" socket & ratchet

Locate the package of keys (taped to the front of the game). It should include five sets of either B10 or 644 keys, and one set of 631 keys.

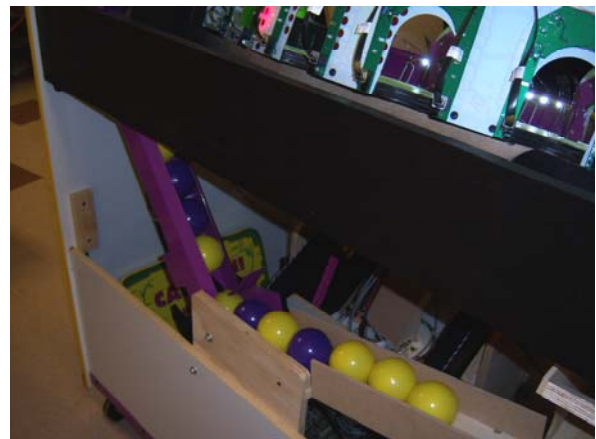
Open the cashbox door with the 631 key, and remove the hardware packet and power cord.



Remove the lower back door with two B10 or 644 keys, and take out the hand assembly and guard.



Also remove the bag of balls (16 total), and place them in the ball chute



QUICK SET-UP GUIDE, cont.

Attach the guard to the side of the cabinet with the three 2" carriage bolts, three flat washers, and three 5/16" locknuts.

Make sure the washers go on the inside of the cabinet, between the wood and the lock nuts.



Attach the hand assembly with four black self-tapping square bit screws and split washers.



QUICK SET-UP GUIDE, cont.

Slide the marquee onto the cabinet from the front, making sure the power cable goes safely down the opening without getting pinched.

Secure the marquee from inside the top back door, inserting 1 1/2" hex bolts with split and flat washers into the holes in either side.



Plug in the marquee power and display cables.

Plug the cable from the cashbox into the back of the cabinet and connect it to a power source.

Push the cabinet to its final location and lock the casters.

Load the ticket trays with tickets.

Power the game on by switching the power strip to "ON".



Congratulations! You're Ready To Go!

DIP SWITCH SETTINGS

DIP 1		
DIP 2		
DIP 3		
DIP 4		

DETAILED OPERATIONS

MAIN MENU

1. Access the main menu by pressing the **"MENU BUTTON"** inside the front door of the cabinet and holding down for 4 seconds.
2. Scroll through the menu options shown on the 4-digit display by pressing the **"MENU BUTTON"** repeatedly.
3. Press the **"MENU SELECT"** button to enter and scroll through sub-menus (described in detail below).



SUB-MENU DESCRIPTIONS

n1	GAME DIAGNOSTICS
n2	CREDITS PER PLAY
n3	BALLS PER PLAY
n4	TICKET PATTERN
n5	BIG BONUS SETTING
n6	GAME VOLUME
n7	ATTRACT MODE VOLUME
n8-11	STATISTICS

N1– GAME DIAGNOSTICS

The game diagnostics mode will allow you to test the following components to make sure they are working correctly:

Remove the window from the cabinet

BALL LAUNCHER SENSOR:

- With the ball launcher empty, make sure the 4-digit display reads “0”
 - Place the ball into the launcher
- If the sensors are working correctly, a “1” should appear on the display in place of the “0”

if the display reads “1” while no ball is in the launcher, it is malfunctioning



TARGET SENSORS:

- Place your hand inside each of the targets individually
- The lights around the targets should flash if they are working correctly

If the lights come on without an object passing through the target, they are malfunctioning



BALL FLIPPERS:

- Gently push down each flipper to make sure they react



N2– CREDITS PER PLAY

Scroll through the n2 menu with the “menu select” button.
Make your selection by pressing the “menu button” and scrolling
through the remaining menus past n10 to exit the menu.

Factory default settings are highlighted in yellow.

CREDITS PER PLAY	0	1	2	3	4	5	6	7	8
PRICE PER PLAY	FREE	\$.25	\$.50	\$.75	\$1.00	\$1.25	\$1.50	\$1.75	\$2.00

N3– BALLS PER PLAY

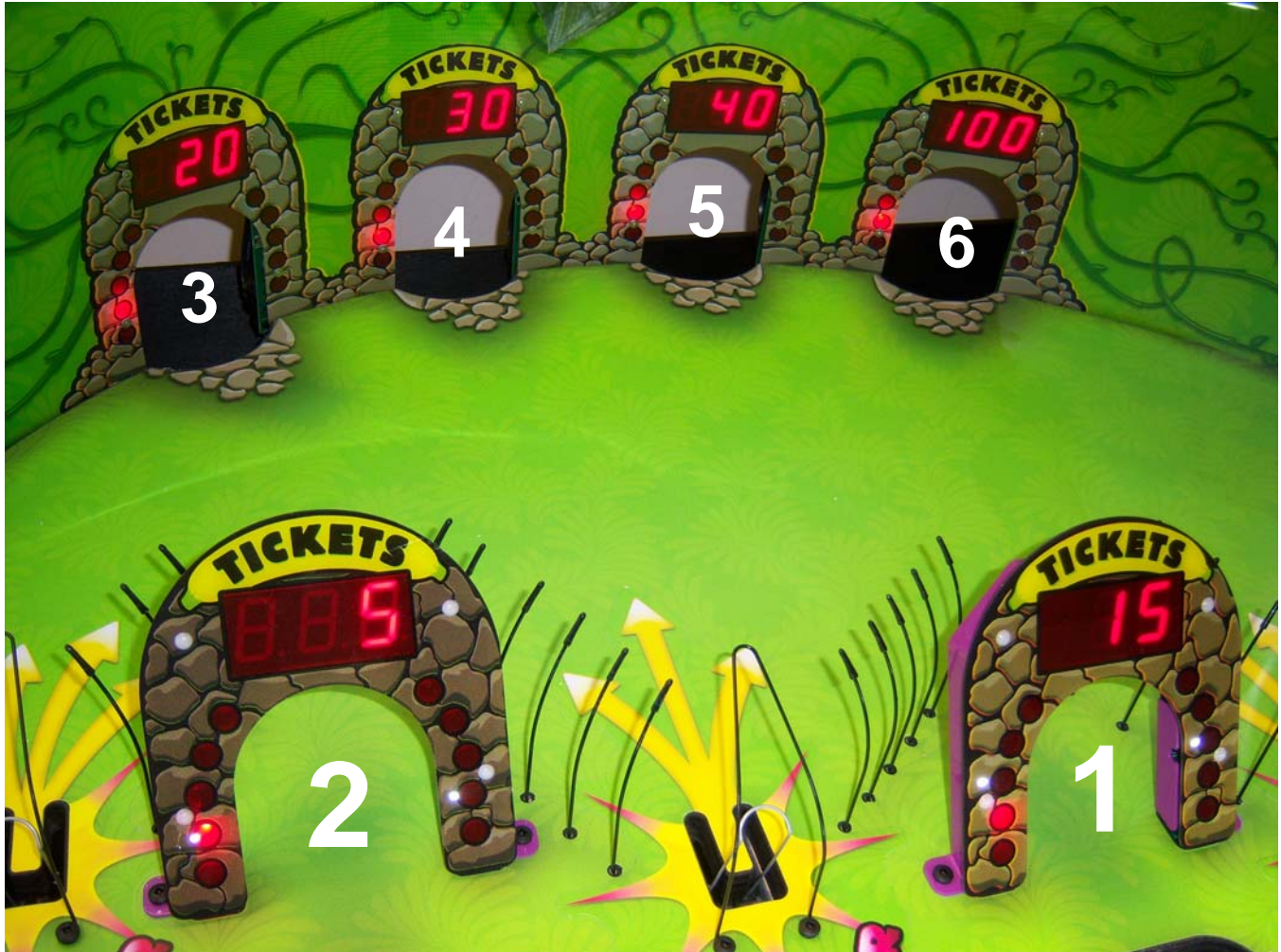
Scroll through the n2 menu with the “menu select” button.
Make your selection by pressing the “menu button” and scrolling
through the remaining menus past n10 to exit the menu.

Factory default settings are highlighted in yellow.

1	2	3	4
---	---	---	---

N4– TICKET PATTERNS

Scroll through the n3 menu with the “**menu select**” button.
Make your selection by pressing the “**menu button**” and scrolling
through the remaining menus past n10 to exit the menu.



N4– TICKET PATTERNS, cont.

Factory default settings are highlighted in yellow.

0			
TARGET #	1	5/S*	TICKETS
	2	5/S*	
	3	20	
	4	30	
	5	40	
	6	100	

1			
TARGET #	1	2/S*	TICKETS
	2	2/S*	
	3	10	
	4	15	
	5	40	
	6	100	

2			
TARGET #	1	1/S*	TICKETS
	2	1/S*	
	3	5	
	4	10	
	5	25	
	6	50	

3			
TARGET #	1	1/S*	TICKETS
	2	1/S*	
	3	5	
	4	10	
	5	15	
	6	25	

4			
TARGET #	1	2/S*	TICKETS
	2	4/S*	
	3	6	
	4	10	
	5	20	
	6	50	

5			
TARGET #	1	1/S*	TICKETS
	2	1/S*	
	3	3	
	4	4	
	5	5	
	6	15	

6			
TARGET #	1	10/S*	TICKETS
	2	10/S*	
	3	5	
	4	10	
	5	25	
	6	50	

***S= SKILL TICKETS**

(changes with Big Bonus settings in n4 menu, see pg. 12)

The SKILL SHOT values alternate with the regular pattern values
on targets 1 & 2

N5– BIG BONUS VALUES

Scroll through the n5 menu with the “**menu select**” button.
Make your selection by pressing the “**menu button**” and scrolling through the remaining menus past n10 to exit the menu.

Factory default settings are highlighted in yellow.

The Big Bonus value is presented on the 4-digit display, and aids in attracting players to the game.
The Big Bonus jumps randomly between targets 3 and 6 on the playfield.

***S= SKILL SHOT**

(changes the alternate values displayed on targets 1 & 2)

25			
TARGET #	3 & 6	25	TICKETS
	1 (*S)	15	
	2 (*S)	20	

50			
TARGET #	3 & 6	50	TICKETS
	1 (*S)	10	
	2 (*S)	40	

100			
TARGET #	3 & 6	100	TICKETS
	1 (*S)	10	
	2 (*S)	75	

250			
TARGET #	3 & 6	250	TICKETS
	1 (*S)	30	
	2 (*S)	50	

400			
TARGET #	3 & 6	400	TICKETS
	1 (*S)	40	
	2 (*S)	300	

500			
TARGET #	3 & 6	500	TICKETS
	1 (*S)	50	
	2 (*S)	400	

999			
TARGET #	3 & 6	999	TICKETS
	1 (*S)	100	
	2 (*S)	800	

N6– GAME VOLUME CONTROL

Scroll through the n6 menu with the “menu select” button.
Make your selection by pressing the “menu button” and scrolling
through the remaining menus past n10 to exit the menu.

Factory default settings are highlighted in yellow.

0 (OFF)	1	2	3	4	5	6	7	8
------------	---	---	---	---	---	---	---	---

This control is for the volume of the game **while it is being played**, or
after a coin has been inserted.

A drum beat will play an example volume while scrolling through the
volume levels.

N7– ATTRACT VOLUME CONTROL

Scroll through the n7 menu with the “menu select” button.
Make your selection by pressing the “menu button” and scrolling
through the remaining menus past n10 to exit the menu.

Factory default settings are highlighted in yellow.

0 (OFF)	1	2	3	4	5	6	7	8
------------	---	---	---	---	---	---	---	---

This control is for the volume of the game **while it is NOT being
played**. This game plays fun, attracting sounds to lure customers to
play.

A drum beat will play an example volume while scrolling through the
volume levels.

GAME STATISTICS

N8– TARGET HIT COUNTER

In this statistics mode, the **number hits on each target** is displayed.

- Targets 3 and 6 should have the lowest counts on them; this is the reasoning behind the placement of the Big Bonus values

The **average tickets paid out per game** is also shown on the 4-digit display above the playfield.

- This information will assist in finding average payout percentage



N9– TOTAL NUMBER OF PLAYS

In this statistics mode, the **total number of game plays** is shown on the 4-digit display above the playfield.

- To determine total game income since the last statistics clear, multiply this number by the price per play (set in n2).

$$\begin{array}{c} \# \text{ of} \\ \text{plays} \end{array} \times \begin{array}{c} \$ \text{ per} \\ \text{play} \end{array} = \text{income}$$

For example:

$$172 \text{ plays} \times \$0.50 \text{ per play} = \$86 \text{ income}$$

N10– SKILL HITS COUNTER

This statistics mode will display a count of “**skill shot**” **hits** on targets 1 & 2.

A “skill hit” is when the ball goes through target 1 or 2 while the higher alternate value is displayed.

- If these numbers are high, you may have a very skilled player, or “shark”, frequenting your facility. This may cause your game to pay out too many tickets. Because Pull My Finger is a skill-based game, this is a possibility.

The **total number of games played** is shown on the 4-digit display.



N11– STATISTICS CLEAR

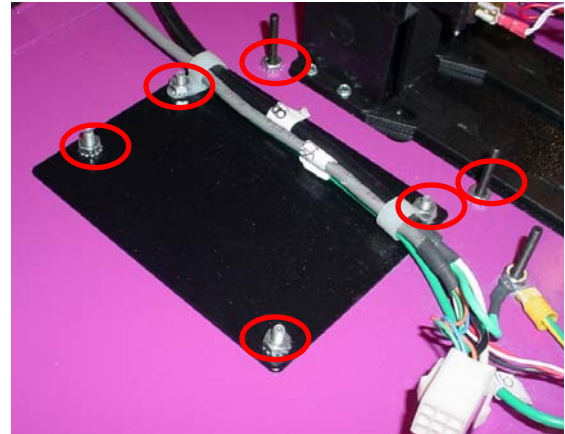
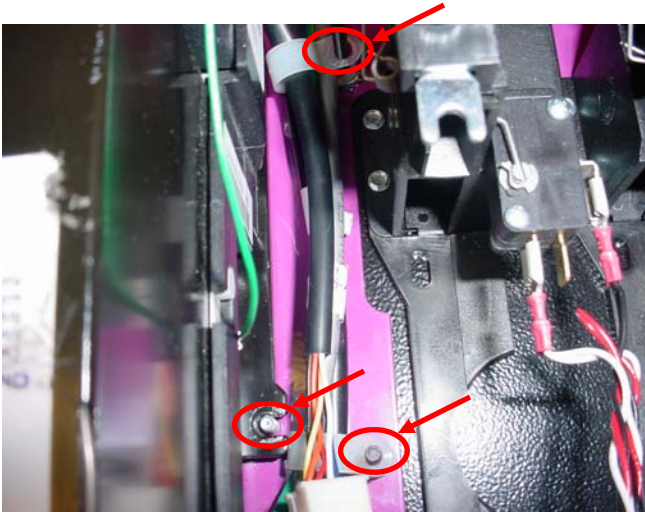
While in n11 mode, **hold down “menu select” for 3 seconds** to clear the statistics in menus n8-n10.

The statistics modes (n8-n10) will display “0” on all targets and 4-digit display when viewed again after clearing.

HOW TO: INSTALL BILL ACCEPTOR

Tools Needed: 11/32" Nut Driver or socket wrench

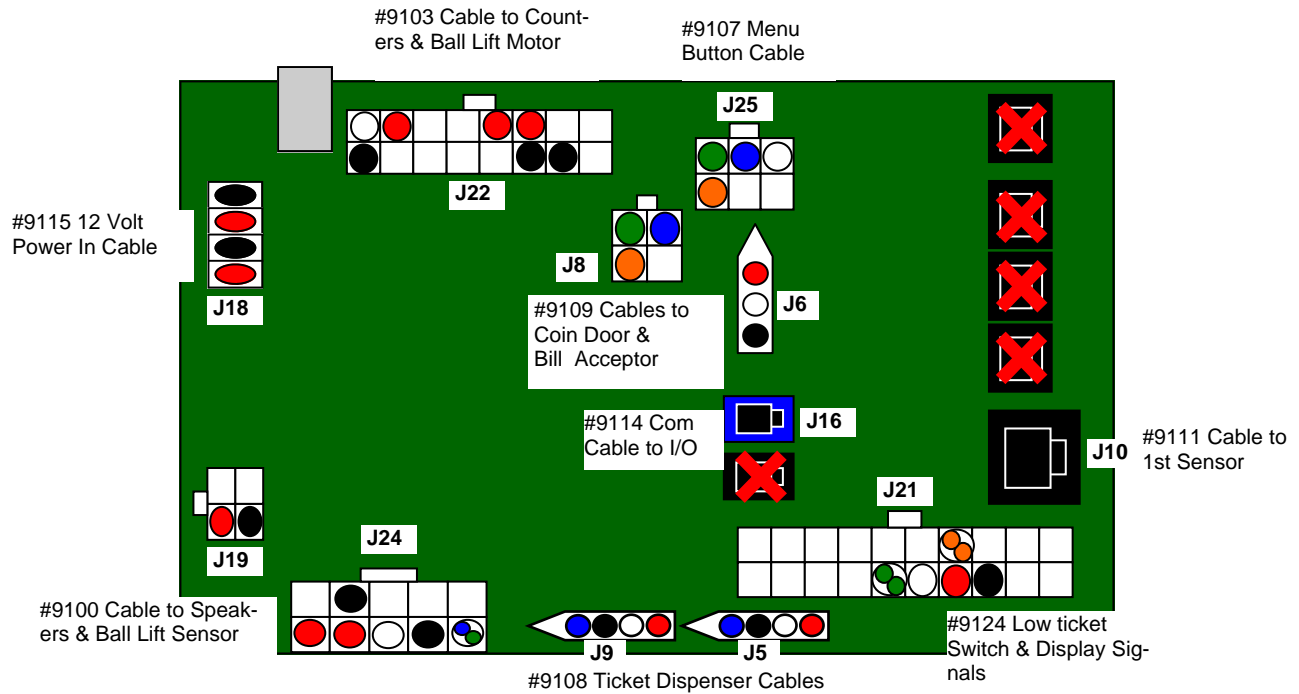
- 1.) Remove 4 nuts from bill acceptor plate and 2 from coin mech bolts.
- 2.) Remove black bill acceptor plate.
- 3.) Insert Bill Acceptor.



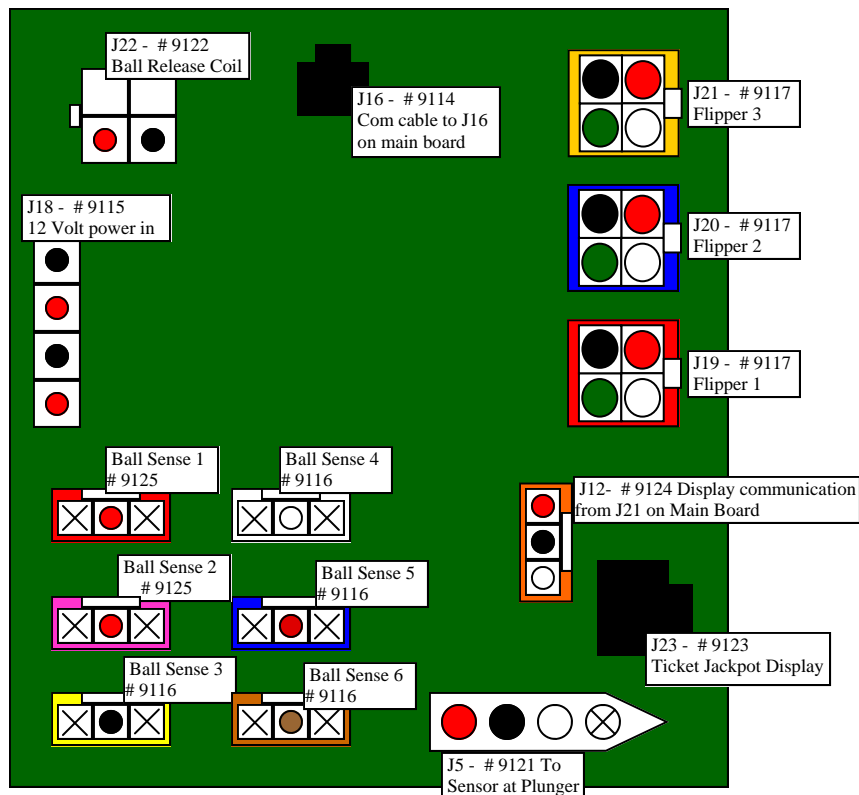
- 4.) Install nuts on bill acceptor plate and coin mech.
- 5.) Route cables as shown in picture.
- 6.) Make sure Bill Acceptor is set to "*Always Enabled*" and test.

CIRCUIT BOARD WIRING

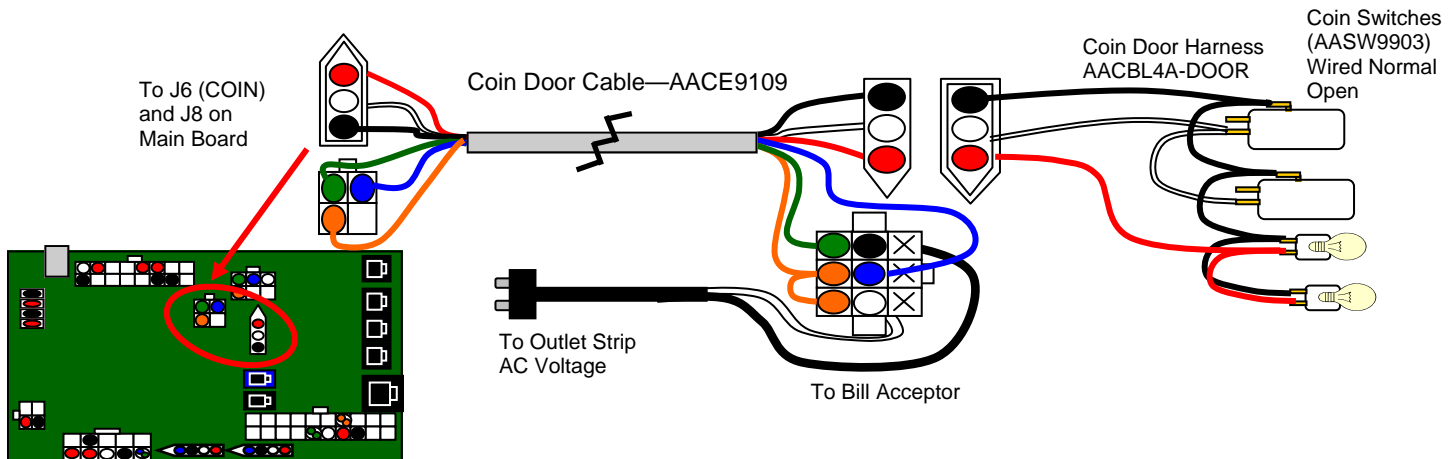
AANEWGEN1 - MAIN BOARD



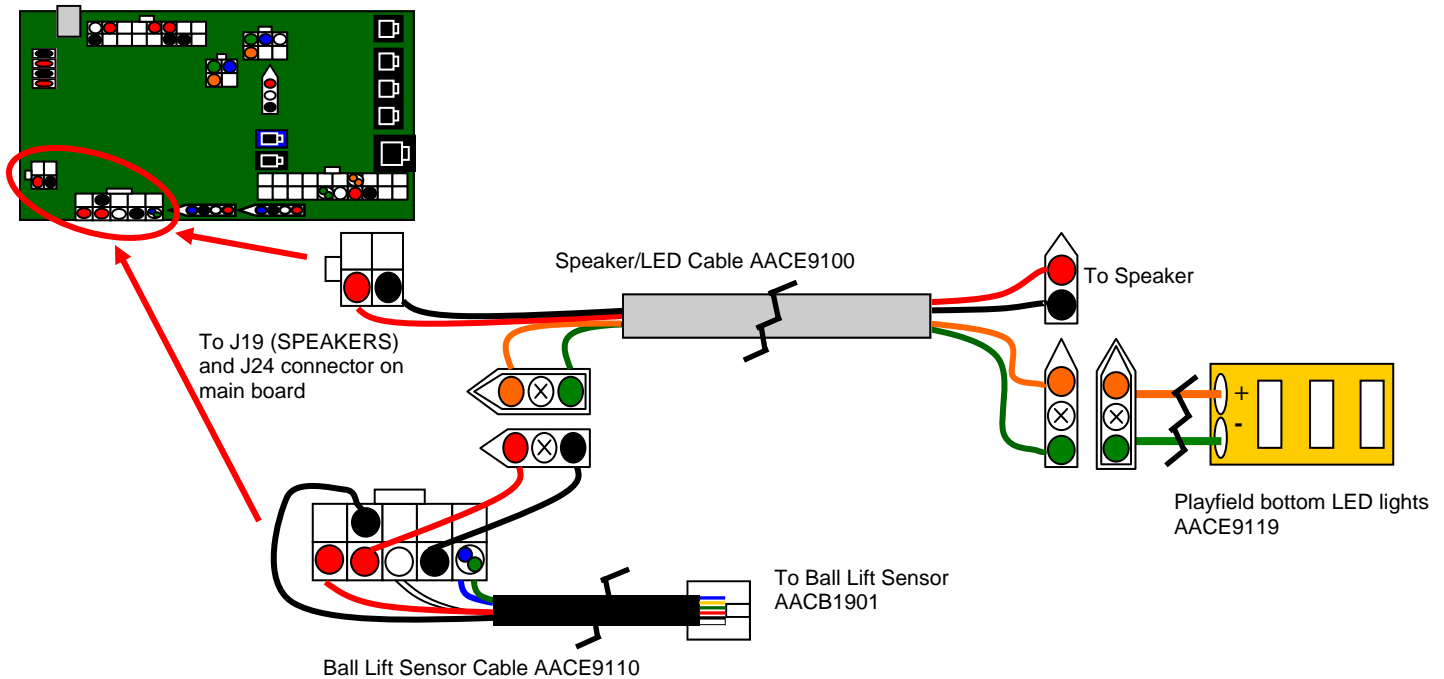
AACB9107—I/O AUX BOARD



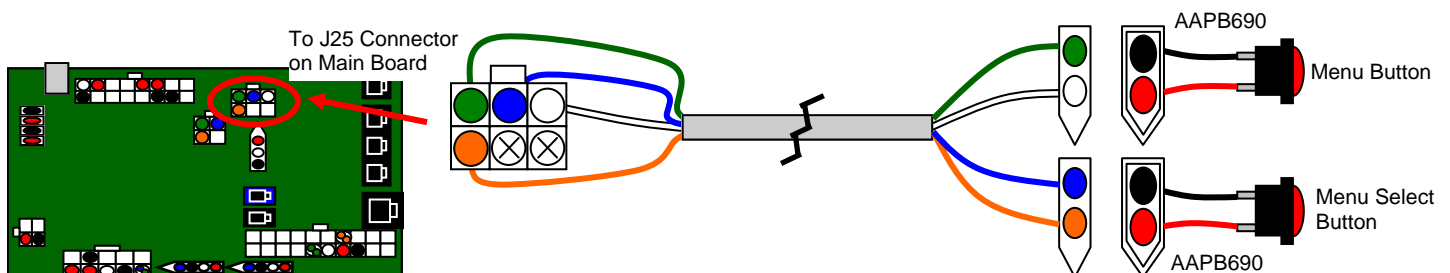
Coin Door and Bill Acceptor Cable



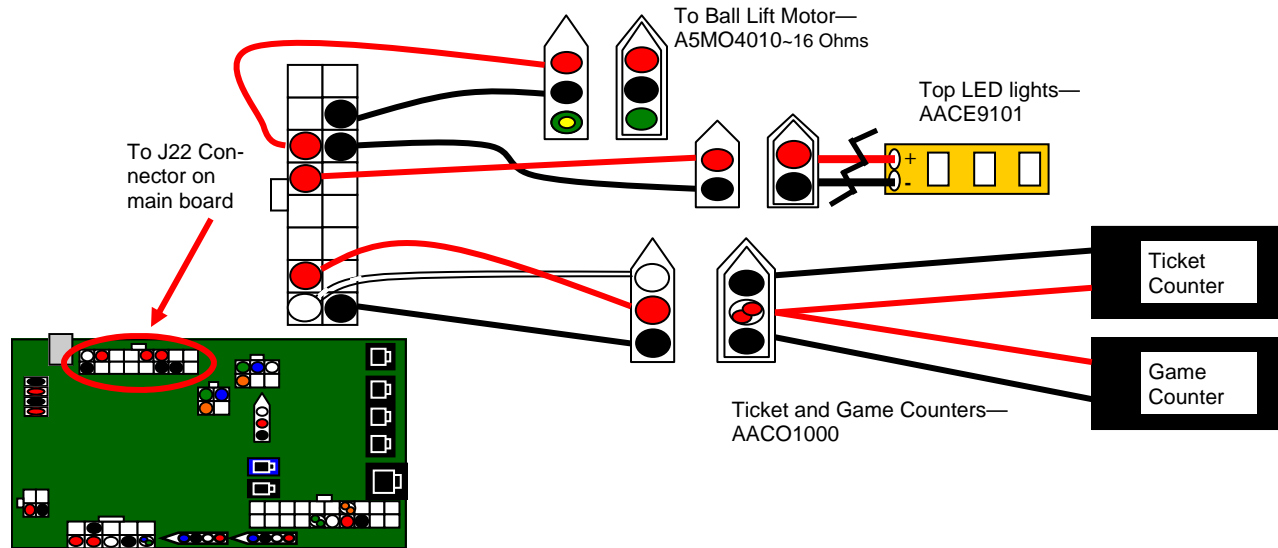
Ball Lift Sensor & Volume Cable



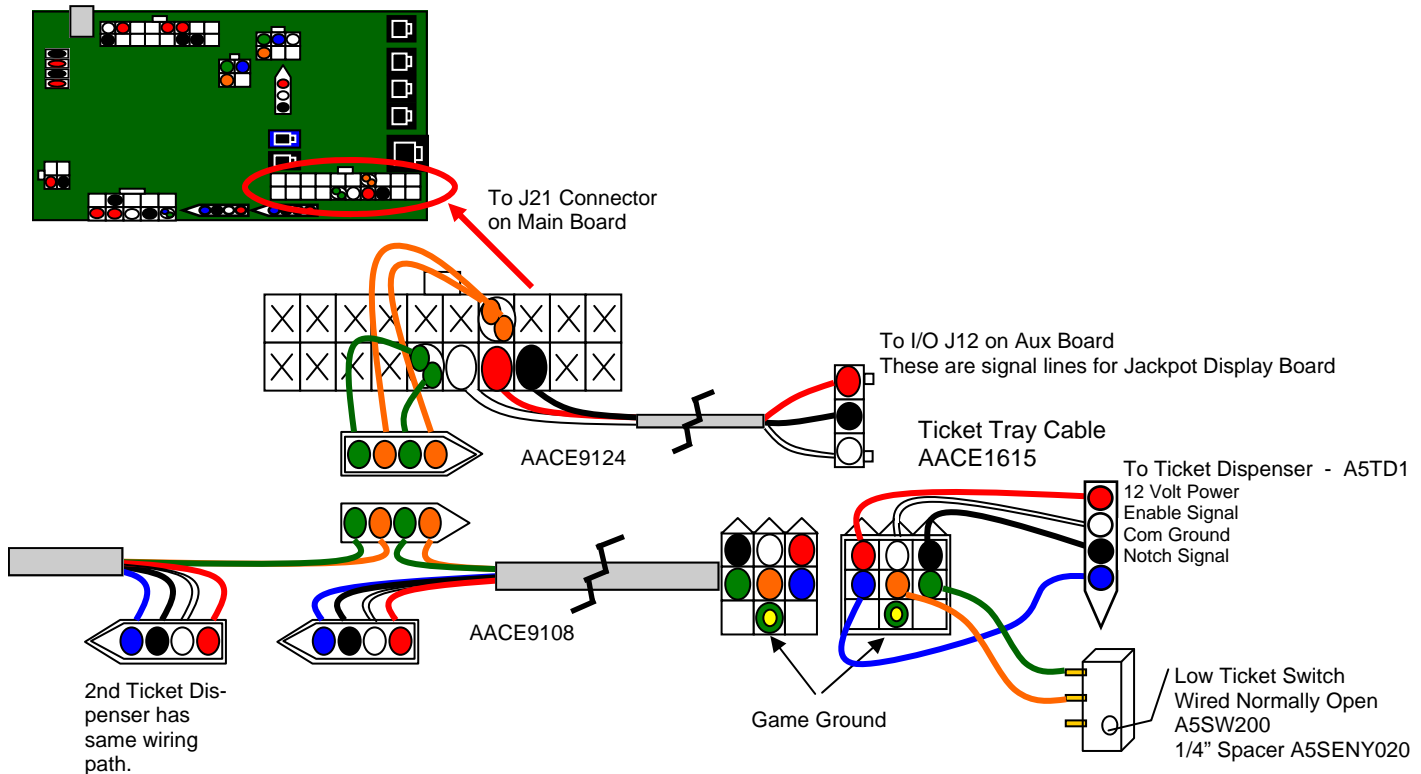
Menu Buttons Cable—AACE9107



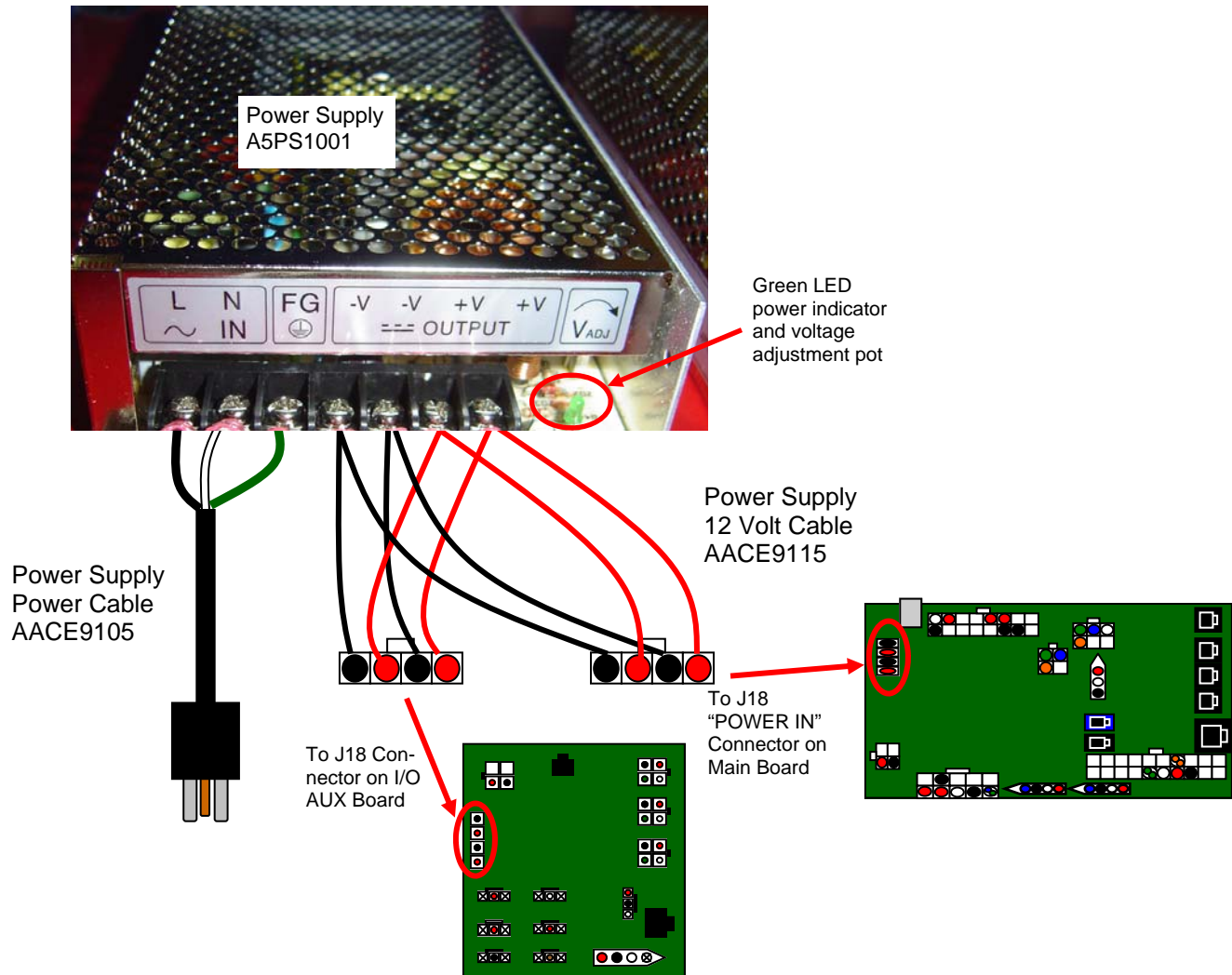
Ball Lift Motor & Counters Cable—AACE9103



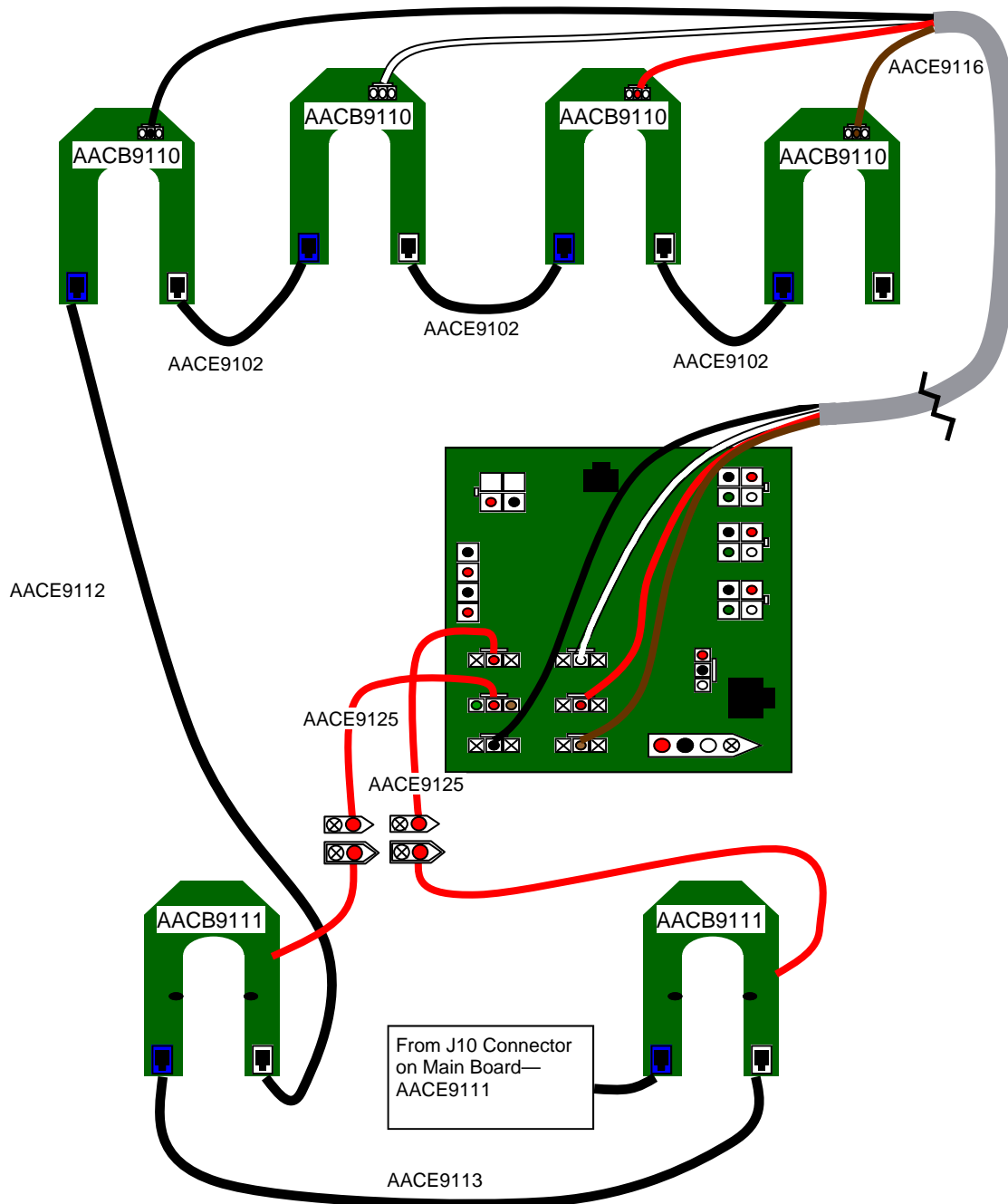
Ticket Dispenser / Low Ticket Switches Display



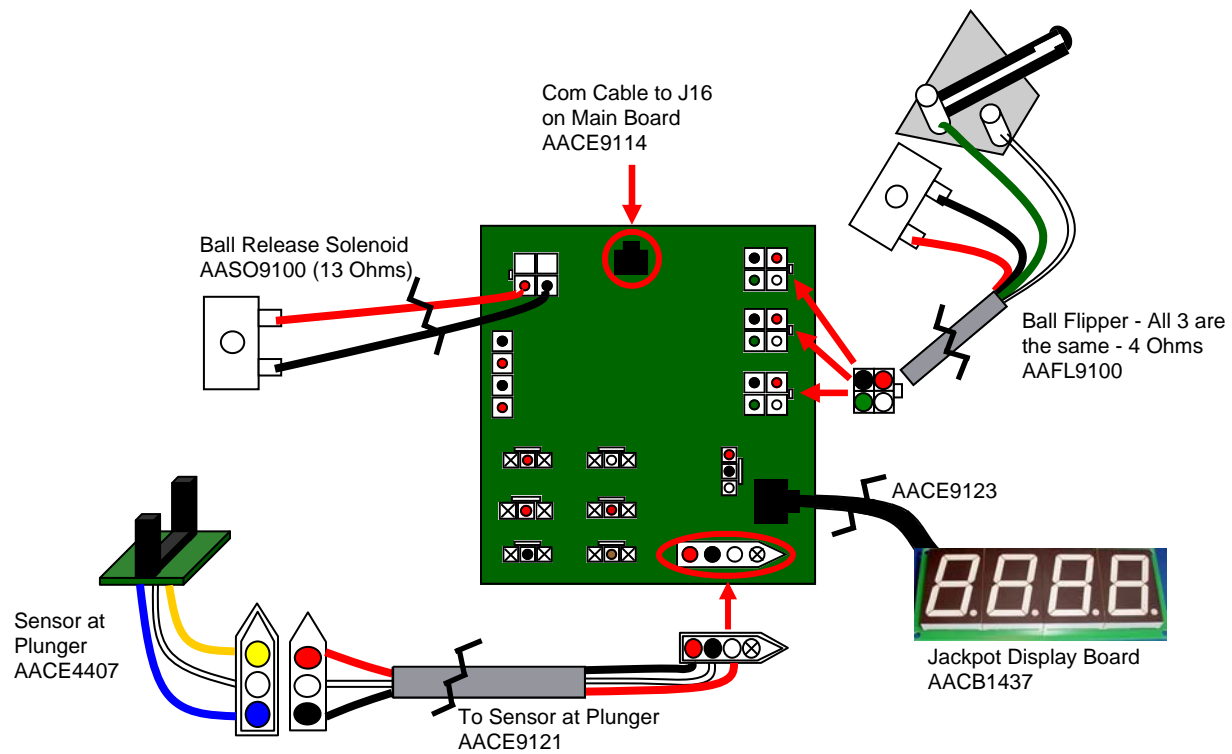
12 Volt Power Supply Wiring



Ball Sensor Wiring Diagram



Ball Sensor, Ball Release, Jackpot Display and Flipper Wiring



TROUBLE SHOOTING GUIDE

Troubleshooting Strategy

Use common sense and a systematic method of troubleshooting to determine the exact problem, probable cause and remedy. Use the process of elimination to find the faulty component. Always check for the simple and obvious causes first such as unplugged, loose or broken wires and bad sensors, bent, pinched, stuck or jammed components.

Troubleshooting Chart		
Problem	Probable Cause	Remedy
No power to the game. No lights on at all.	Unplugged. Circuit breaker tripped. Power strip faulty. Faulty cable/power supply.	Check wall outlet. Reset power strip breaker switch or building circuit breaker. Change plug position, replace if needed. See Power Supply diagnostic below.
AC Light and Bill Acceptor on. But everything else off. (Power Supply not ON)	Power supply unplugged. Power supply shutting down because of 12 V overload. Faulty power supply.	Insure unit is plugged into power strip. See power supply diagnostics to isolate bad component. A bad motor or 12 volt short would cause this. See Power Supply Diagnostic below.
Dollar Bill Acceptor not functioning.	Check for power to Bill Acceptor. Dirt or debris in acceptor slot. Pinched, broken, or disconnected wiring. Bill acceptor problem.	Acceptor should cycle stacker at game power up. If not, check cable connections. Refer to “How to Clean Bill Acceptor” Or clean with bill reader cleaning card. (A5CC9000) Check wiring from bill acceptor to Main Board. (AACE9109) Repair or replace wiring harness. Check J8 connector on MainBoard—Make sure wires are secure in connector. Refer to troubleshooting section of dollar bill acceptor manual included with this game or the diagnostics label of the back of the unit.
Game not coining up.	Ensure game makes “Dong” sound when coin switch is triggered. Game set to large amount of credits per game.	Check coin switches—both should be wired normally open. Check wiring to main board. Cable AACBL4A-DOOR, AACE9109 Jackpot display will show credits inserted. Enter N2 mode in menu to set credits per game.

TROUBLE SHOOTING GUIDE

Problem	Probable Cause		Remedy
Game scores wrong values	Game is scoring too soon – before coin reaches sensor.	Faulty sensor – Align and clean sensors or replace sensor. (AACB9110 - Top row sensor) (AACB9111 - Bottom row sensor)	“Skill Shot” values are constantly changing and are on a set timer. The value on the target at instant ball passes sensor is what the player receives.
	Players think they won bonus.		
Game does not score target.	Back door removed or broken.	The back door has ball guides that help divert the ball. Replace back door. (AADO9100)	Align and clean sensors or replace sensor. (AACB9110 - Top row sensor or AACB9111 - Bottom row sensor) Check connectors and clean phone jack sockets on I/O Aux Board and main board. Check for continuity. Cable #'s : 9116, 9125, 9124 Check connections and clean phone jack sockets on Aux Board and main board.
	Faulty target sensor.		
	Disconnected, loose or broken wires.		
	Faulty I/O Aux Board.		
Game pays 5 more tickets than it should.		One of the ticket dispensers is not seeing the notch signal. The dispenser will time out after 5 tickets.	
Tickets do not dispense or Wrong amount dispensed. Check for the correct amount of tickets adding up on Tickets Owed Display	Tickets Owed Display is adding up correct.	Opto Sensor on ticket dispenser dirty.	Blow dust from sensor and clean with isopropyl alcohol.
		Faulty ticket dispenser.	Replace with working dispenser to isolate the problem. (A5TD1)
		Notch on tickets cut too shallow.	Flip tickets and load upside-down to have large cut notch toward opto sensor.
		Faulty cable. Disconnected, loose or broken wires.	Check connectors from ticket dispensers to main board. Check for continuity. Check cables 1615, 9108
	Tickets Owed Display is not adding correctly	Faulty Main Board.	Replace main board.
		Game is scoring too soon – before coin reaches Slot sensor board.	Score sensor is faulty. Align and clean sensors or replace sensor. AACB9110 - Top row sensor AACB9111 - Bottom row sensor
		Ensure “Skill Shot” values are changing on display above sensor. The values are constantly changing and are on a set timer.	The value on the target at instant ball passes sensor is what the player receives.

TROUBLE SHOOTING GUIDE

Problem	Probable Cause	Remedy
No Sound	Volume set to zero in menu.	Enter N6 in menu for game volume. Enter N7 in menu for attract volume.
	Disconnected, loose or broken wires.	Check connections and reseal J19 on main board. Cable # AACE9100
	Faulty speaker.	Replace speaker. A5SP1050
Targets not lighting up Note: Target lights are wired separate from target sensors.	Targets are wired in series. If one is faulty, all of the targets after it will go dark.	Refer to Ball Sensor Wiring Diagram. Cable goes from Main Board to bottom sensors to top sensors.
	Check previous target and target which is dark.	Check connections and clean phone jack sockets on targets and main board.
	Swap target boards to isolate problem.	Note: Top row sensors are different from bottom row sensors.
	Faulty target sensor.	Replace sensor. AACB9110 - Top row sensor AACB9111 - Bottom row sensor
Jackpot Display not lighting up	Phone Cable to Display is bent, pinched or unplugged.	Check connections and clean phone jack sockets on display board and I/O Aux board. Replace cable if needed. AACE9123
	J12 connector on I/O Aux Board to main board disconnected.	Check connections and reseal J12, and J21 on main board. Cable # AACE9124
	Faulty Display Board.	Replace Display Board. AACB1437
Jackpot Display says "Lo"	Both ticket trays are empty.	Refill trays with tickets.
	Disconnected, loose or broken wires.	Check connections and reseal J21 on main board. Cable #'s 9124, 9108, 1615
	Faulty low ticket switches.	Switches wired normally open. Replace switches. A5SW200
Game looks fine, but none of the functions work.	Faulty Main Board.	Replace main board. Part # AANEWGEN1
	I/O Aux Board may be faulty, wires disconnected from main board, or not receiving 12 VDC power.	Check I/O Aux Board for any disconnected wires. Check 12 Volts DC to J18. Check J16 plug on I/O Aux Board to J21 on main board.

TROUBLE SHOOTING GUIDE

Display shows Err 1	Err 1 means there is no ball in front of plunger after coin up. There can be multiple causes, including:	
	Not enough balls in game.	Ensure 16 balls in game.
	Playfield Kicker not working.	Refer to Playfield Kicker not working below.
	Ball Load motor not working.	Refer to Ball Load Motor not working below.
	Ball release solenoid not working.	Refer to Ball Release Solenoid not working below.
	Ball load sensor not seen.	Clean or replace sensor. AACB1901
Problem Probable Cause Remedy		
Playfield Flipper not working.	Switch not making contact on flipper assembly.	Inspect flipper assembly, replace if needed. AAFL9100
One ball stuck in front of Flipper Swap inputs on I/O Aux board to verify flipper fault.	Disconnected, loose or broken wires. Flipper solenoid faulty. Problem may follow socket on I/O Aux Board.	Check connectors from flipper to I/O Aux Board. Replace flipper. (4 Ohms) AAFL9100 Replace I/O Aux Board. AACB9107
Ball Load Motor does not work. Ball loader will load ball at coin up if no ball is at plunger, then cycle 15 seconds twice, then go to Err1. It will try again after 40 seconds.	Disconnected, loose or broken wires. Faulty Motor. Faulty Main Board.	Check connectors from Motor to Main Board. Replace Motor. A5MO4010 Replace Main Board. AANEWGEN1
No Balls on playfield. If no ball is preset at coin up, game will load one immediately and then try again after 15 seconds.	Sensor at Plunger blocked or faulty. Faulty Ball Load Motor I/O Aux Board is not communicating.	Clean sensor, check for toggle movement. Replace sensor. (AACE4407) Refer to Ball Load Motor does not work above. I/O Aux Board may be faulty, wires disconnected from main board, or not receiving 12 VDC power.
Too many balls on playfield	Ball Lift Sensor faulty causing load motor to always turn. Ball Flipper switch faulty causing game to keep loading balls because it can not find them. Ball Flipper Solenoid faulty. Sensor at Plunger faulty.	Clean sensor. Check wiring. Replace sensor. (AACB1901) Check continuity through switch. Swap Flipper to isolate problem. Replace flipper (AAFL9100) Swap Flipper to isolate problem. Replace flipper- 4 Ohms (AAFL9100) Sensor does not see ball in position, so game continues to load balls. Replace sensor. (AACE4407)

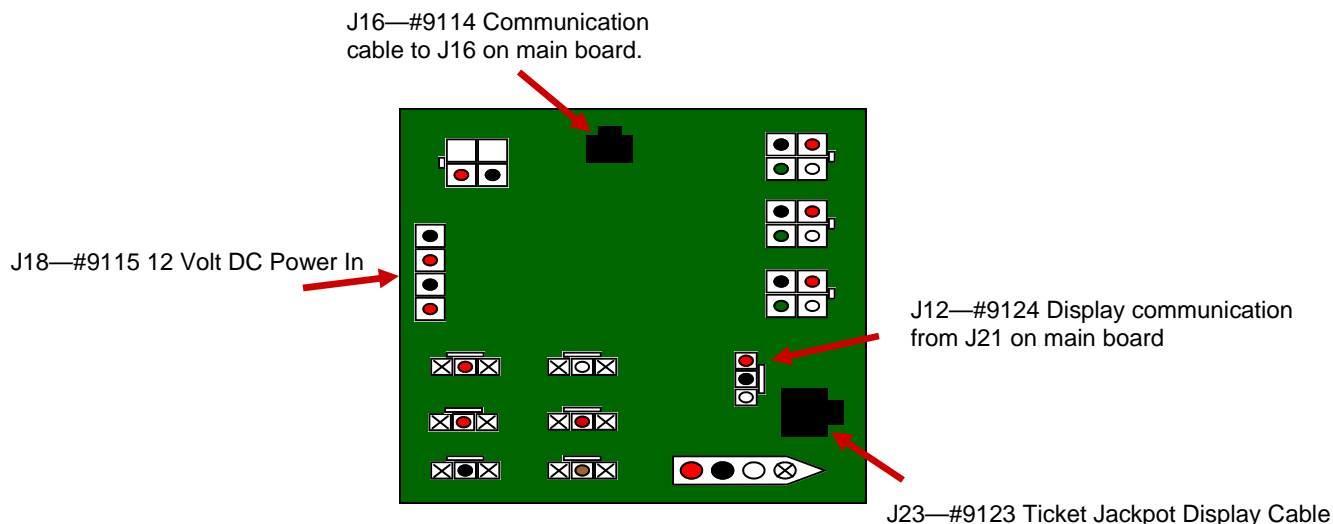
TROUBLE SHOOTING GUIDE

Problem	Probable Cause	Remedy
Ball release solenoid not working.	Disconnected, loose or broken wires.	Check connectors from Ball Release Solenoid to I/O Aux Board
	Faulty solenoid.	Check for 13 Ohms across coil. Replace if needed. AASO9100
Too many balls on playfield	I/O Aux Board connection.	Ensure I/O Aux Board has 12 Volt power on J18. Check J16 Com cable.
	Faulty I/O Aux Board.	Replace I/O Aux Board. AACB9107

More information on the I/O Aux Board

The I/O Aux Board has logic on board which monitors sensor inputs and provides 12 volt pulses to coils to operate. It provides this information back to main board via the J16 Communication cable. (AACE9114)

It is important that this cable is securely connected to the J16 socket on the main board. (Blue colored socket)
Power game down when disconnecting and reconnecting this cable. Wait 10 seconds before power up.



The I/O Aux Board also acts as a connector board for Jackpot Display Board. Signals come in on J12, and go to display on J23.

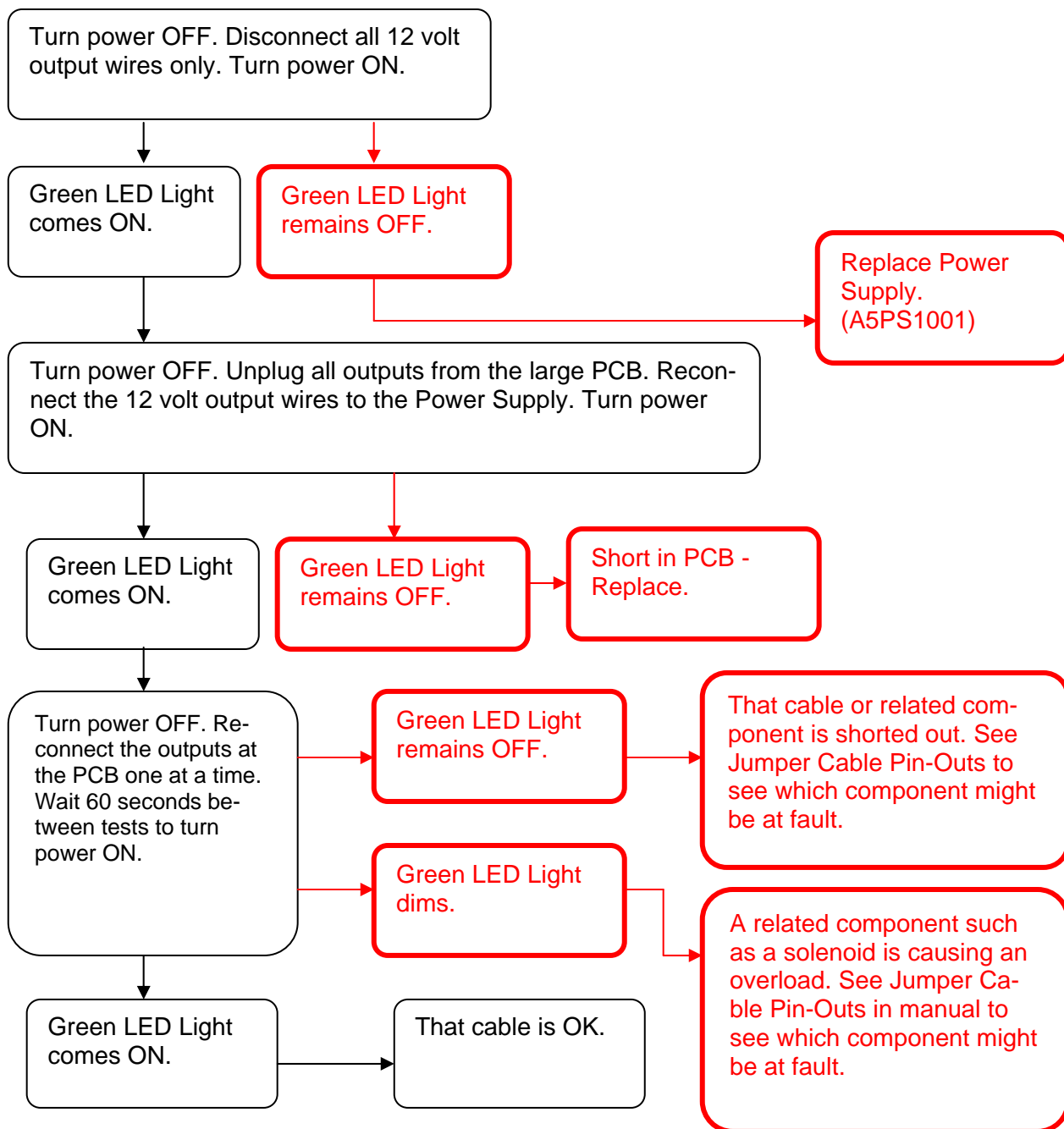
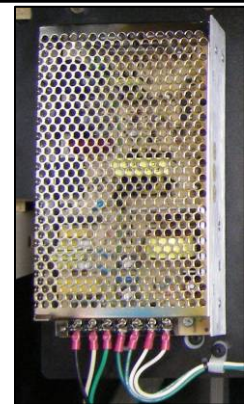
Jackpot Display will not work if either cable is faulty.

POWER SUPPLY DIAGNOSTICS

Use the following procedure to check the Power Supply for Gen 5 games.

Start by removing the backdoor to gain access to the Power Supply. It is mounted directly to the left of the PCB.

Look for the small green LED light on the Power Supply circuit board. If the light is out there is a short somewhere. If the light dims, there is an overload in one of the circuits such as a bad motor.



BILL ACCEPTOR DIAGNOSTICS

Note: There are many different models and brands of Bill Acceptors that are used on redemption games. Your Bill Acceptor may differ from the unit shown.

First determine if Bill Acceptor has power:

Turn game ON—The bill acceptor should make noise as stacker cycles and green lights on outside bezel should flash.

If NO power:

Due to the different models and brands of Bill Acceptors that are used:
Examine Bill Acceptor and determine if acceptor is 12 Volt DC or 110 VAC
Use meter to measure voltage at cable going into Bill Acceptor.

If power is OK:

Clean Bill Acceptor path to make sure there is nothing jamming unit.

Enter DBA Diagnostics Mode -

Important—Do not hold button down for more than 5 seconds or Bill Acceptor will enter programming mode.

If programming mode is entered by mistake—Unplug game and plug back in.



To enter Diagnostic Mode, press and hold the Diagnostic Button on the back left corner of the DBA for **1-3 seconds**.

The lights above the bill slot will flash the code.

ERROR CODES

Count the number of flashes on front bezel of Bill Acceptor and follow chart for repair.

FLASHING CODE	DESCRIPTION	CORRECTIVE ACTION
LEDs off	Power off	Turn on power
LEDs on	Acceptor is OK	
1 flash	Bill path blockage	Un-jam bill path
2 flashes	Stacker jam	Un-jam stacker
3 flashes	Cassette is full of bills	Empty the cassette
4 flashes	Cassette is removed	Replace the cassette
5 flashes	Acceptor is defective	Replace the acceptor
6 flashes	Acceptor not enabled	See service manual
10 flashes	Configuration Mode	Power down to exit
Rapid flashing during operation	Stringing attempt detected; or sensors dirty	Clean the sensors



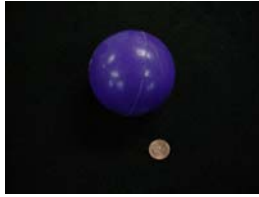
PARTS LIST

PART #	DESCRIPTION
A5BA9100	Ball, Purple, 16 Per Game
A5CB1499	Coin box
A5CO4203	Speaker cover
A5FI9010	Inline Filter
A5HU1200	Hub
A5LI0001	Fluorescent light, 120v 60hz
A5LK2000	631 Lock with Keys
A5LK5001	644 Lock with Keys
A5LK6000	Back Door Lock with Keys
A5LE9100	Large Leaf, 4 Per Game
A5MO4010	Motor
A5PL9097	Plate, (Replaces Bill Acceptor)
A5PS1001	Power Supply
A5SP9103	Spring, Pin, 32 Per Game
A5SP9104	Spring, Ball Guide
A5SW200	Switch
A5TD1	Ticket Dispenser
A5VF9100	Vacuum Form, Purple Marquee
A5VF9101	Vacuum Form, Playfield Ball Guide
A5ME9129	Metal, Target Sensor Cover

A5DE9109	Decal, Marquee, Title Bubble
A5DE9110	Decal, Marquee, Face
A5DE9111	Decal, Marquee, Arm
A5DE9112	Decal, Marquee, Body
A5DE9114	Decal, Marquee, Right Ear
A5DE9115	Decal, Marquee, Bubble 1
A5DE9116	Decal, Marquee, Bubble 2
A5DE9117	Decal, Inside Marquee
A5DE9118	Decal, Playfield Cover, Left
A5DE9119	Decal, Playfield Cover, Right
A5DE9120	Decal, Marquee, Left Ear
A5DE9124	Decal, Left Light Cover
A5DE9125	Decal, Right Light Cover
A5DE9126	Decal, Back Door Cover

PART #	DESCRIPTION
A5CA1002	Caster, Wheel
W5TM4006	T-Molding, 13/16" Yellow
AACO1000	Counters
AALIHL110	Fluorescent Light Holder Assy.
AACE8802	Outlet Strip
AACE9122	Ball Release Solenoid W/Cable
AAPB2700	Push Button Assy. (Menu Button)
AACE8811	Speaker Assy W/Cable
AACB9101	Lights on Top of Playfield
AACB9107	Goes to Menu Button
AACB9124	Low Ticket to Aux Board
AACBL4A-DOOR	Door Cable
AACE4319	Fluorescent Light Cable
AACE9100	Speaker to Playfield Lights
AACE9103	Fl. Light to Motor to Ticket Counters
AACE9104	Top Marquee Fluorescent Light Wire
AACE9105	Power Supply Wire
AACE9108	Main Board to Ticket Tray
AACE9109	DBA to Coin Door
AACE9110	Slot Sensor to Auger to Fluorescent Light
AACE9115	Power Supply to Main Board to Aux Board
AACE9117	Cable to Flipper Solenoid, 2 Per Game
AACE9120	Cable to Flipper Solenoid, 1 Per Game
AACE9121	Aux Board to Ball Sensor to #2 Target
AACE9125	Aux Board to #1 Target
AACB1437	Display Board, 4 Digit
AACB1901-1	Encoder Wheel Board
AACB9107	Aux Board
AACB9110	Back Target Board
AACB9111	Front Target Board
AANEWGEN1	Main Board
AASH9100	Shooter Assy. Purple W/Finger
AABR9100	Ball Release Assy.
AAFL9100	Flipper Assy.
AATG9100	Toggle Assy. Sensor at Shooter
AACB4401	Sensor at Shooter
A5ME9111	Front Metal Bracket

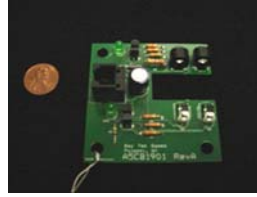
PARTS IDENTIFICATION



A5BA9100



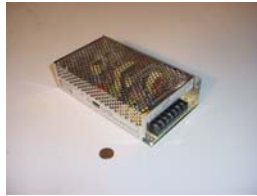
A5TD1



AACB1901-1



AACB9107



A5PS1001



AANEWGEN1



AACB9111



AACB9110



AACB1437



A5LI0001



A5SP1050



AACO1000



AAPB2700



AALIHL110



A5LE9100



A5SP9103



A5SP9104



A5ME9129



A5MO4010



A5LK6000



A5LK2000



A5LK5001



A5CA1002



W5TM4006



A5DE9127



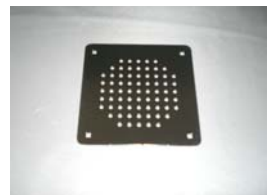
A5SW200



A5PL9097



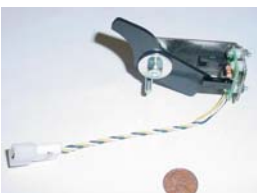
A5CB1499



A5CO4203



AABR9100



AATG9100



AAFL9100



A5SH9100



AACB4401

PARTS IDENTIFICATION



AACE1615



AACE1715



AACE9100



AACE9101



AACE9102



AACE9104



AACE9105



AACE9106



AACE9107



AACE9108



AACE9109



AACE9110



AACE9111



AACE9112



AACE9113



AACE9114



AACE9115



AACE9116



AACE9117



AACE9118



AACE9119



AACE9120



AACE9121



AACE9123



AACE9124



AACE9125



AACBL4A-DOOR



A5FI9010



AACE9126



AACE9103

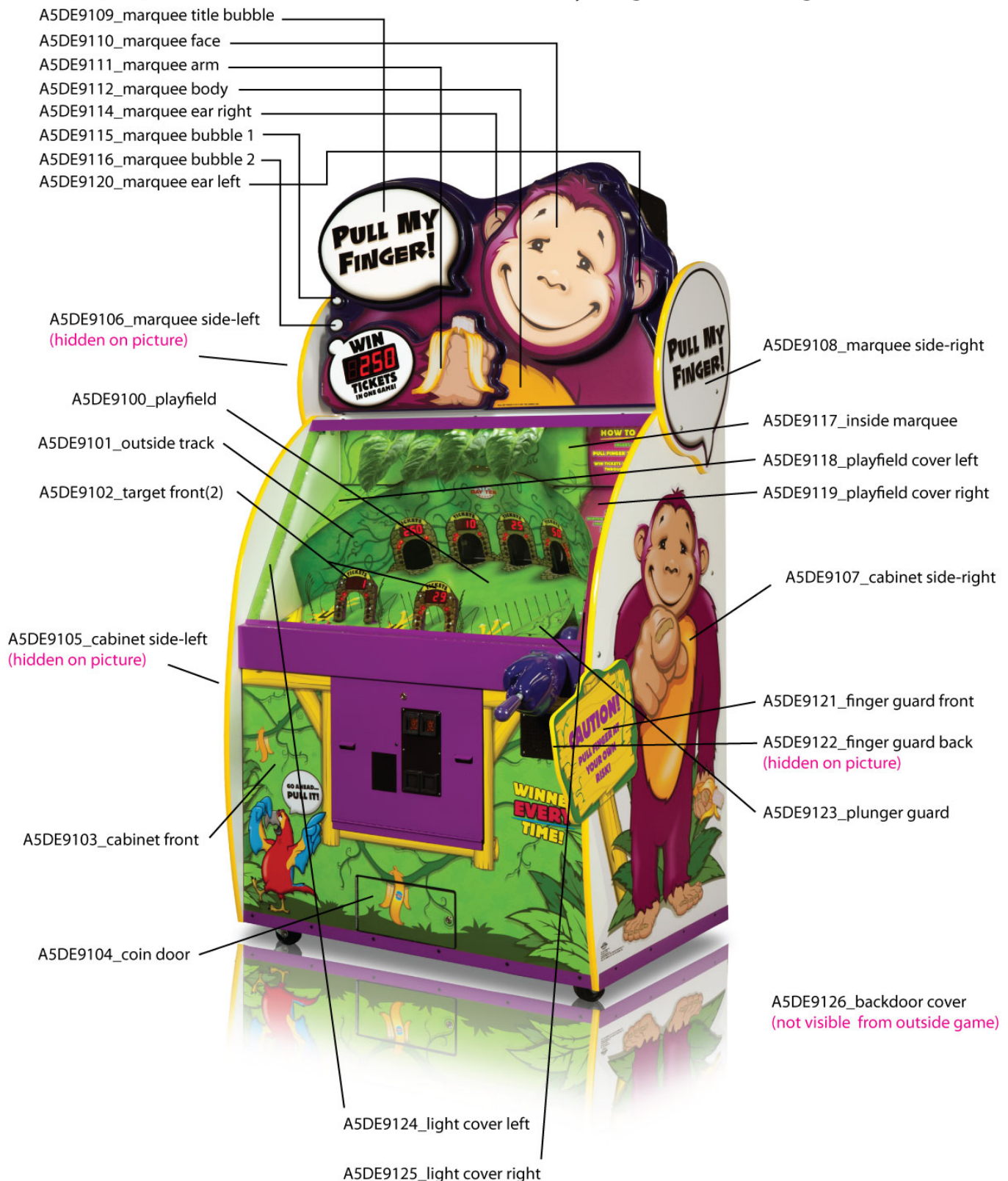


A5ME9111

DECAL IDENTIFICATION

Pull My Finger - Decal Diagram

MARQUEE DECALS:



WIRING DIAGRAMS

NEWGEN1 MAIN BOARD

BayTek Pull My Finger NEWGEN1 Hardware REV D Pinout - Version 1 (NO WHEEL VERSION)

Pin Type	Ref	Pin #	Purpose
LOWSIDE #1, w diode	J22	1	Wheel Motor Drive
LOWSIDE #2, w diode	J22	2	Ball Auger Drive
LOWSIDE #3	J22	3	White Playfield Lights
LOWSIDE #4	J22	4	Plunger "Ball Release Solenoid"
LOWSIDE #5	J22	5	Unused
LOWSIDE #6	J22	6	Unused
LOWSIDE #7	J22	7	Unused
LOWSIDE #8	J22	8	Mechanical Count #1
LOWSIDE #9	J22	9	Mechanical Count #2
+12 Volts	J22	11	
+12 Volts	J22	12	
+12 Volts	J22	13	
+12 Volts	J22	14	
+12 Volts	J22	15	
+12 Volts	J22	16	
+12 Volts	J22	17	
+12 Volts	J22	18	
+12 Volts	J22	19	
+12 Volts	J22	20	

LOWSIDE #1, w diode	Low Side Driver
LOWSIDE #2, w diode	High Side Driver
LOWSIDE #3	TTL Input/Output
LOWSIDE #4	LED Constant Current Drive
LOWSIDE #5	+12 Volts
LOWSIDE #6	+12 Volts
LOWSIDE #7	+12 Volts
LOWSIDE #8	+12 Volts
LOWSIDE #9	+12 Volts
LOWSIDE #10	+12 Volts
LOWSIDE #11	+12 Volts
LOWSIDE #12	+12 Volts
LOWSIDE #13	+12 Volts
LOWSIDE #14	+12 Volts
LOWSIDE #15	+12 Volts
LOWSIDE #16	+12 Volts
LOWSIDE #17	+12 Volts
LOWSIDE #18	+12 Volts
LOWSIDE #19	+12 Volts
LOWSIDE #20	+12 Volts

Pin Type	Purpose	Ref	Pin #
Ground		J24	1
Ground		J24	2
+12 Volts		J24	3
+12 Volts		J24	4
PB7		J24	5
LOWSIDE #12	Auger Sensor Input 2	J24	6
PX29	Unused	J24	7
HIGHSIDE #10	Auger Sensor Input	J24	8
HIGHSIDE #11	Unused	J24	9
3.3V	Unused	J24	10

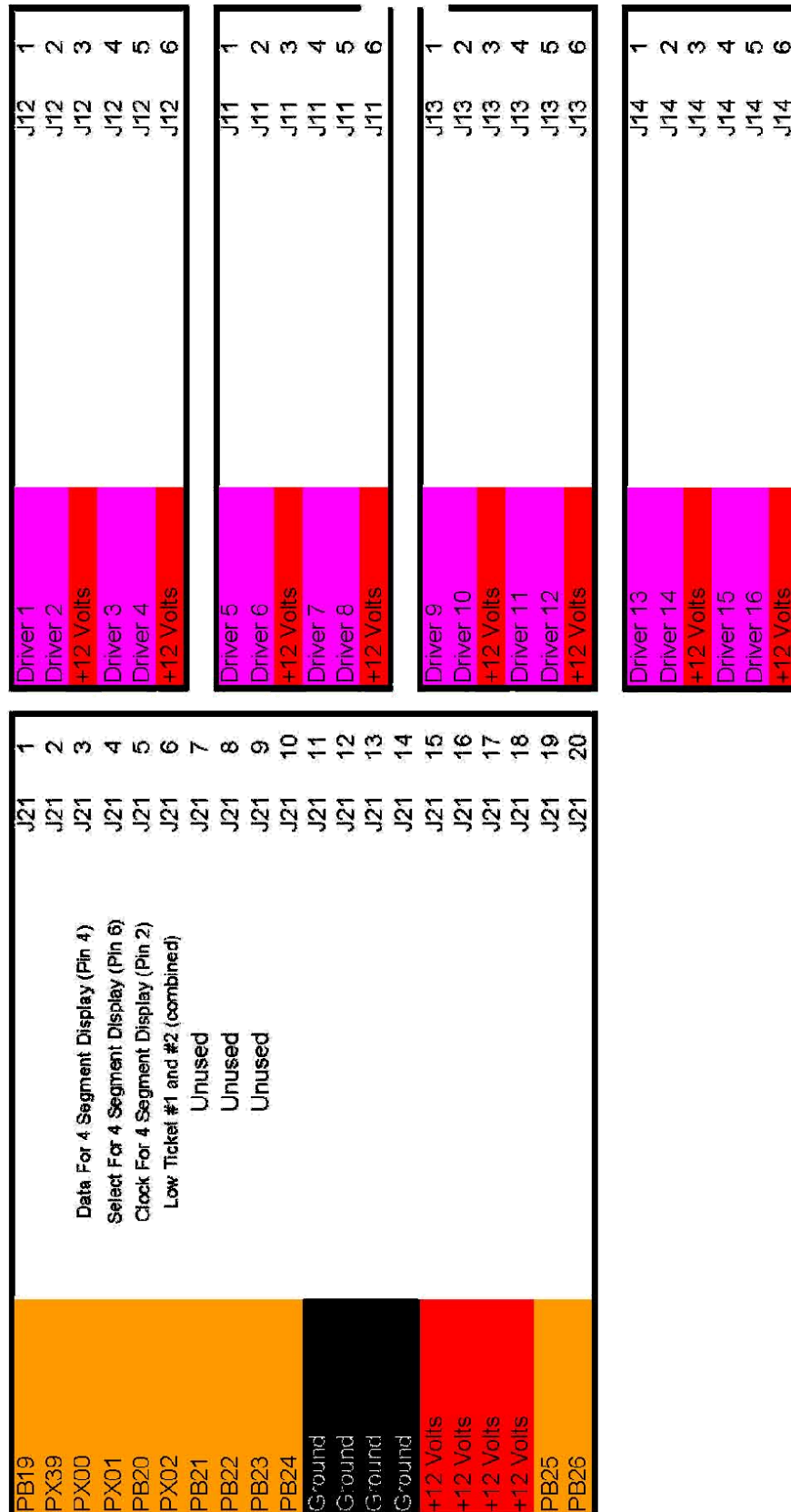
PX37	Ticket Notch #1	J5	1
Ground	Ground for Ticket Dispensor	J5	2
PB18	Ticket Motor #1	J5	3
+12 Volts	Power for Ticket Dispensor	J5	4

PB16	Ticket Notch #2	J9	1
Ground	Ground for Low Ticket Switch	J9	2
PB17	Ticket Motor #2	J9	3
+12 Volts		J9	4

PA05	DBA Input	J8	1
+12 Volts		J8	2
Ground		J8	3
Ground		J8	4

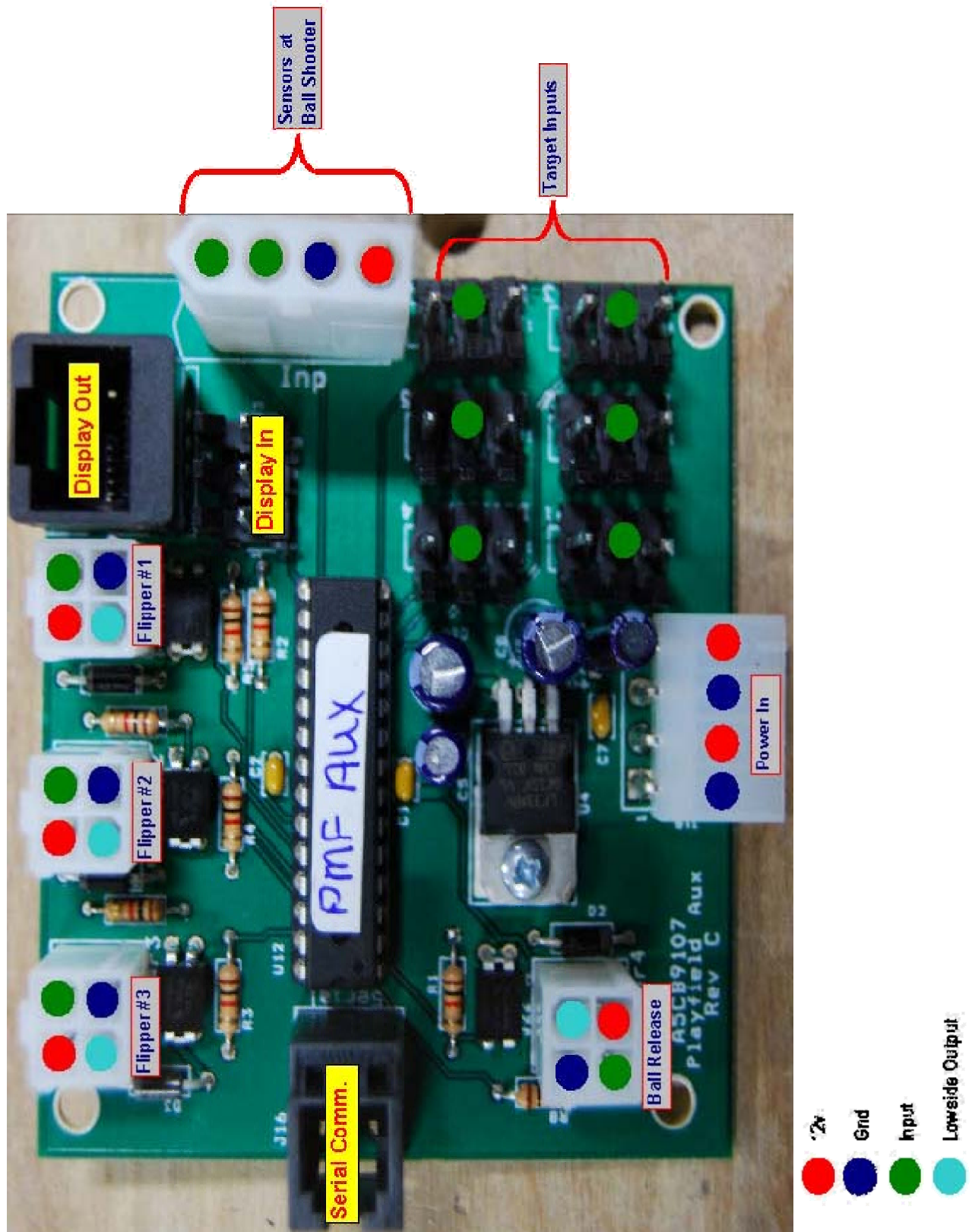
WIRING DIAGRAMS, cont.

NEWGEN1 MAIN BOARD



WIRING DIAGRAMS, cont.

PMF AUX BOARD



[illegible]

TECHNICAL SUPPORT

Excellent customer service is very important to Bay Tek Games! We know that keeping your games in great operating condition is important to your business. When you need us, we are here to help. You can call us for free technical assistance, and you can count on us to have parts on-hand to support your game. When you do need us, it's important that you know what to expect. We offer options that fit your needs.

Electronics / Circuit Boards - Repair Options

Repair & Return – If you have Circuit Board issues with your Bay Tek game, you can send the board to us and we'll repair it right away. Most items sent to us are repaired and returned to you within two days. This option is your best value as we offer this fast turn-around service at the most reasonable price.

Advance Replacement – If you have Circuit Board issues with your Bay Tek game, but you don't have time to send in your board in for repair, give us a call and ask for an Advance Replacement. We'll send you a replacement board that same day (pending availability). When you get your new board, just repackage the defective board in the same box and send it back to us. We make it easy by including a UPS Return Shipping label for you to put on the box (not available for international shipments). This is your best option when you need to get your game up and running as quickly as possible!

Spare Parts – Take matters into your own hands and purchase new spare Circuit Boards for your Bay Tek games. Many of our games share the same main-board electronics. This means you can buy one set of spare electronics to support many of your Bay Tek games. Spare boards allow you to get your game up and running the quickest and provide you a valuable troubleshooting option. Call our technicians to get recommendations for what you should keep on hand for spare parts!

Technical Support:

"You" are the best tool for troubleshooting! Your abilities to understand the game and your skills to repair the game are invaluable to us! If you need help, you know you can call us. It's not easy to diagnose a game remotely by phone, but our technicians do a great job. They'll need your help to perform some troubleshooting steps and convey to them exactly what's happening with your game.

Returns, Credits, & Fees:

NOTICE! ALL ITEMS being sent to Bay Tek Games for repair or return, etc. require prior Return Authorization! Bay Tek Games will provide a Product Return Form with an authorizing Ticket Number for each item to be returned. Please be certain to include this document with all shipments!

Late Fees and Non-Return Fees - Advance Replacement and Warranty Replacement items require the defective items to be returned by Bay Tek games promptly to avoid Late Fees. We would expect items to be returned within 10 working days. Late fees are invoiced monthly. Late fees are non-refundable under any circumstance! Any item not returned within 90 days will be invoiced in full as a replacement part!

Bench Fees - Bench fees will apply for each electronic item returned to Bay Tek Games (this includes unused Advance Replacement items). This charge covers our cost to inspect, evaluate and retest each item. Please note that returned items that do not pass our tests will be charged accordingly as replacement items or advance replacements.

Restocking Fees - Unused items returned for credit will be credited minus a restocking fee. Items must be returned within 30 days of purchase in order to qualify for any credit amount. No shipping charges will be credited.



WARRANTY


Bay Tek Games warrants to the original purchaser that all game components will be free of defects in workmanship and materials for a period of 6 months from the date of purchase. If you fill out the registration card in the cashbox of the game, Bay Tek will add another 3 months to your warranty, free of charge.

Bay Tek Games will, without charge, repair or replace defective component parts upon notification to the parts/service department while the game is under warranty.

Warranty replacement parts will be shipped immediately, via ground service, along with a Product Return Form for the return of defective parts.

Defective parts must be shipped back to Bay Tek Games unless otherwise instructed. Items not returned to Bay Tek Games will be invoiced as replacement parts.

This warranty does not apply in the event of any misuse or abuse to the product, or as a result of any unauthorized repairs or alterations. The warranty does not apply if any serial number decal is altered, defaced, or removed from its original position.

	ATTENTION	
<p>In order to maintain the safety & other compliance certifications of the game, ONLY approved parts may be used. For approved parts, refer to the parts list in this manual.</p>		

Should you need your game serviced, determine the serial number from the decal placed on the front of this manual, or locate it on the back of the game. Then contact our Service Department at: 920.822.3951 or e-mail: service@baytekgames.com

NON-WARRANTY

Options and estimated charges will be provided to you for your approval. Please remember that any items being sent to Bay Tek Games must include prior return authorization from our Parts & Service Department. This approval will include a Product Return Form which is required to be included with any incoming shipments. Repaired parts will be shipped back using the same method in which they were received. Repairs are warranted for 30 days from the date of return shipment.

CERTIFICATE OF COMPLIANCE



Declaration of Conformity

Manufacturer Identification	Equipment Identification
Bay Tek Games, Inc. 1077 East Glenbrook Drive Pulaski, WI 54162 U.S.A. http://www.baytekgames.com	Pull My Finger Model: AAGM-PMF-220V Type: Redemption Game

Council Directive 2004/108/EC	Electromagnetic Compatibility
Emissions Standard: EN 55014-1: 2006 + A1:2009 + A2:2011	Immunity Standards: EN 55014-2: 1997 + A1:2001 + A2:2008
Terminal Disturbance Voltage	150kHz - 30MHz
Discontinuous Power	30MHz - 300MHz
Emissions Standards: EN 61000-3-2:2006 + A1:08 + A2:2009 Current Harmonics EN 61000-3-3:2008 Voltage Flicker	ESD IEC61000-4-2:2008-12 Radiated Immunity IEC61000-4-3:2006-02 EFT IEC61000-4-4:2004-07 + A1:2010 Surge IEC61000-4-5:2005-11 Conducted Immunity IEC61000-4-6:2008-10 Power Dips and Interrupts IEC61000-4-11:2004-03

Council Directive 2006/95/EC	Low Voltage
Standards: Household and similar electrical appliances - Safety - Part 1: General requirements, IEC 60335-1:2001 (4th Edition) (incl. Corrigendum 1:2002) + A1:2004 + A2:2006 (incl. Corrigendum 1:2006), and Part 2: Particular requirements for amusement machines and personal service machines, IEC 60335-2-82:2002 (2nd edition) + A1:2008 With differences according to EN 62233:2008	

I hereby declare, on behalf of the manufacturer above, that the equipment listed meets the requirements of all applicable Council Directives for CE Marking. Conformance was demonstrated by meeting the requirements of the referenced harmonized Standards.

Name	Title	Signature	Date
Gaetan Philippon	President	<i>Gaetan Philippon</i>	8-27-2012
Email: gphilippon@baytekgames.com		Phone: 920-82243951	

Document Number:	04262011.2
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“If we’re not having fun, something’s wrong.”

-Larry Treankler, CEO



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BAY TEK GAMES, INC.



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