SERVICE MANUAL





FACTORY CONTACT INFORMATION



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WELCOME TO CONNECT 4 HOOPS HD

Congratulations on your purchase!

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.

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

Your Friends at Bay Tek Entertainment



Licensed by:



GAME INSPECTION

Please inspect the game for any damaged, loose, or missing parts.

If damage is found, please contact your freight carrier first. Then, contact Bay Tek Entertainments' Service Department at (920) 822-3951 Ext. 1102

Or email us at service@baytekent.com for further assistance.

GAME SPECIFICATIONS

	WEIGHT	
NET WEIGHT	1900lbs.	862 kg
SHIP WEIGHT	2140 lbs.	971 kg

GAME DIMENSIONS		
WIDTH	78"	198 cm
DEPTH	150"	381 cm
HEIGHT	138"	351 cm

SHIPPING DIMENSIONS		
CONSOLE SECTION	86"x 46"x 87"	800 lbs. class 125
MIDDLE SECTION	80"x 48"x 78"	500 lbs. class 250
LOWER BACK SECTION	80"x 36"x 87"	600 lbs. class 125
UPPER BACK SECTION	80"x 36"x 68"	240 lbs. class 250

POWER REQUIREMENTS			
INPUT VOLTAGE RANGE	100 to 120 VAC		220 to 240 VAC
INPUT FREQUENCY RANGE	60 Hz		50 Hz

MAX OPERATING CURRENT

3.3 AMPS @ 115VAC / 1.9 AMPS @ 230VAC

OPERATING TEMPERATURE		
FAHRENHEIT	45 - 80 F	
CELSIUS	7.2 - 26.7 C	

SAFETY PRECAUTIONS

NOTICE



Modifications to the mechanical, electrical and structural components of this game may void its compliance certifications.

This appliance is suitable for INDOOR, DRY locations only.



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 strip located inside the cabinet.

4

WARNING



Use of flammable subtances can cause sever burns or serious injury.

Always use NON-FLAMMABLE solvents for cleaning. DO NOT use gasoline kerosene or thinners.

A

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.

A

ATTENTION



Be sure the electrical power matches the game requirements. See the serial number located on the back of the game cabinet. Always plug into a grounded circuit. If the supply cord is damaged, it must be replaced by an approved cord or assembly provided by the manufacturer.

A shielded power cable must be used for the game to retain EU/EMC compliance.

4

IN CASE OF EMERGENCY



UNPLUG THE POWER CORD.

The power cord must be accessible at all times in case of an emergency.



The game will arrive on 4 pallets. Please inspect the pallets for shipping damage and report immediately to the freight company if any damage found.

Tools Needed:

1 step ladders (12-15 foot)
2 Phillips screwdriver bit
2 of 9/16" Wrenches
1 Phillips screwdriver bit
7/16" Wrench
3 Phillips screwdriver bit
2 Square head screwdriver bit
1" Crescent Wrench
4 people

Important:

Portions of this game are heavy, bulky and large. Assembly requires 4 people to lift heavy components, and ladders that are tall and strong enough to position components to the top of the game.

Upper Back Cabinet Marquee (Shipped on Front Console Cabinet Pallet) Lower Back Cabinet Middle Cabinet Front Console

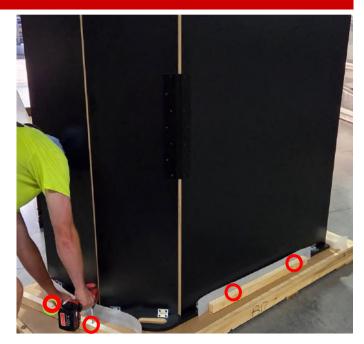
Starting with the upper back cabinet, remove plastic wrap and banding using snips.

Remove the shipping blocks using a #2 square bit and discard.



Cabinet

From the rear of same pallet, remove the shipping blocks using a #2 square bit and discard.



Peel protective film from cabinet decals.



Using 2 people, slide the upper back cabinet off of the pallet.

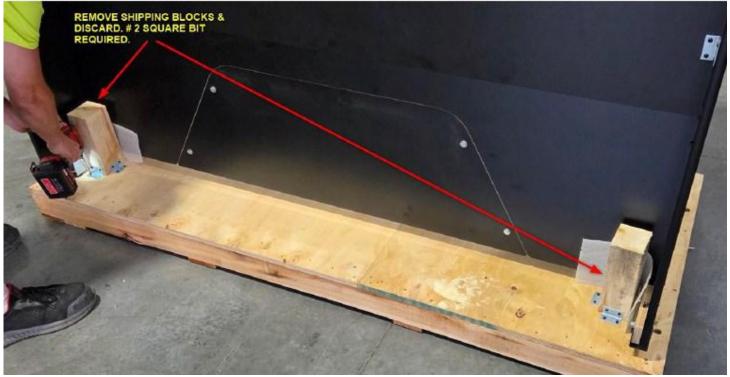
Place the Upper Back Section down flat on floor in approximate position of final game location.



Proceed to the pallet with the lower back cabinet.
Remove plastic wrap and banding using snips.
Important: One person should hold metal side cages as banding is cut to prevent them from falling.

Remove both side cages from pallet and set aside for later installation.





Using 2 people, slide the lower back cabinet off of the pallet.



Place the lower back cabinet down flat on floor near top section at approximate position of final game location. Push the lower section up against the top section.

The top edge of both sections should be even and flush.





Proceed to the front console pallet. Locate the hardware kit and remove from pallet.



Proceed to the pallet the middle section.

Remove the large box from back of pallet to retrieve cabinet connector plates.





Locate 8 of the black 1/4-20 X 1" Phillips head bolts.





Repeat this process for the other side.

The cabinet is now ready to lift up.

Warning: Use 4 people to lift the top of game upward and stand the assembled back sections upright onto the leg leveler feet.

Game standing height is 137", but ceiling height should be 141" to accommodate this tip upward.

Carefully slide the upright back of game into final game position. We recommend to leave a 2-3 foot gap between the game and the wall behind it if possible.







Proceed to the middle cabinet section pallet.





Place the middle cabinet in place close to the rear cabinet assembly.









Plug together the wires connectors between the rear cabinet an middle cabinet on both left and right sides.

The colored connectors should match up.



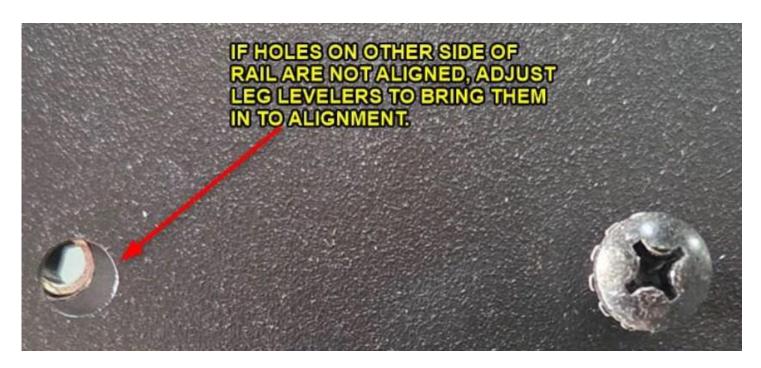


Install the plates on both sides of the cabinet with the black ½-20 X 1 Phillips head bolts using a # 3 Phillips Head bit. (10 per side)





Double check cabinet alignment.

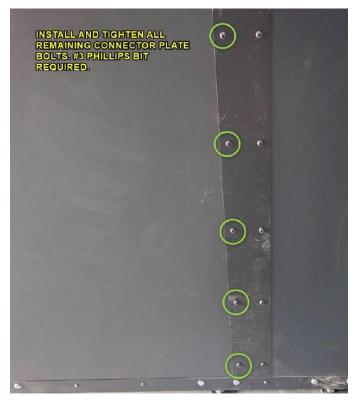




Note: If the holes do not line up - adjust the leg leveler feet on the cabinet using 1" Crescent Wrench.









Proceed to the front console pallet. Remove plastic wrap and banding.

Remove the 4 shipping blocks from front of marquee using a @ 2 square bit and discard.



Remove the 1 shipping blocks from rear of marquee using a @ 2 square bit and discard.



Remove 2 screws using a #2 square bit and remove rails from pallet.

Set aside for later use.



Using 2 people, remove marquee from pallet.

Set aside for later installation.









Remove front shipping block using #2 square bit and discard.







Using 2 people, carefully remove the front console from the pallet and place the front Console Section in position close to the middle section to install uprights and connect top marquee.

Identify the 4 uprights:

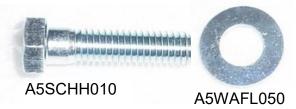
2 will be front uprights and 2 will be rear uprights that will be attached to the front console.





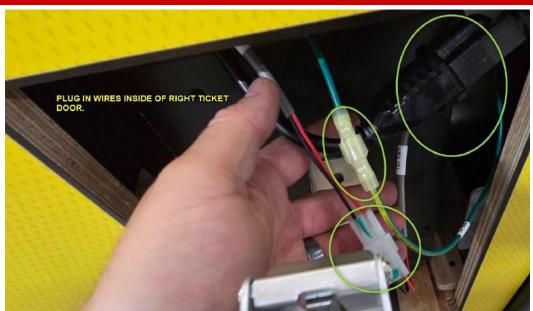
Locate 8 of 3/8-16 X 1 1/2" bolt and 8 of 3/8" washer.

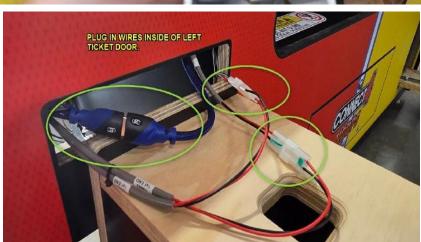
Hand thread to get started, then tighten both using a 9/16" wrench.



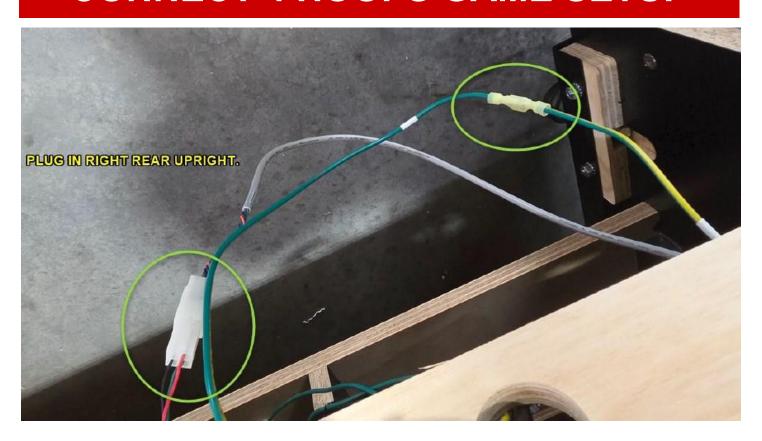


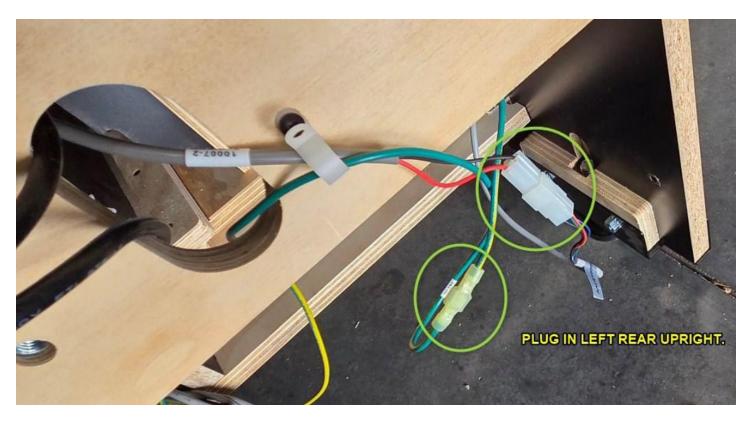












The game will now look like this:

The front console with poles is separated from the rear 2 sections.

Close and lock both ticket doors and remove keys.

The front console with poles will be laid down on it's front to install the top marquee.

Once the front marquee is attached, the front console will be tilted back up in place and will be **unstable until attached to the rear sections.**

It is very important to have 4 people ready to hold in position until it is secured!

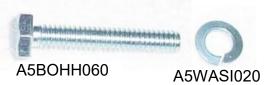




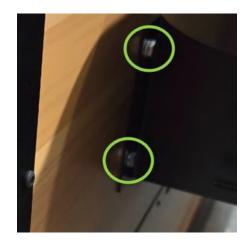
Locate Connect 4 Hoops sign from large box.



From hardware kit, locate 4 of 1/4-20 X 1 1/2" bolts with 4 of 1/4" lock washers.











Peel protestive film from front of sign.



Carefully place marquee on it's face and position close to the poles coming from the front console.



Using 4 people - raise the **front** poles of the front console and position on top of the top marquee.

Slide the top marquee into the front poles.

The front console will be at an angle as shown.

The 2 front poles will slide into the white plastic mounting guides.





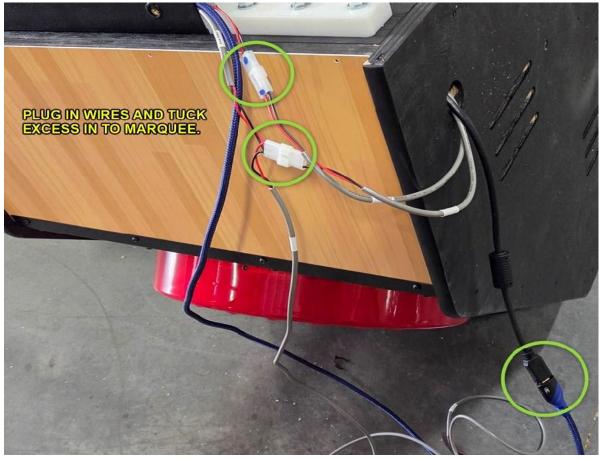
From hardware kit, locate 4 of 3/8-16 X 4" bolts, 4 of 3/8" washers and 4 of 3/8-16 nylon nuts.



Secure top marquee to the front poles using 4 of 3/8-16 X 4 bolts - reach inside plexi side to tighten with 3/8" washers and 3/8-16 nylon nuts using a 9/16" wrench.







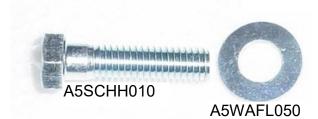




Locate the 2 front side boards.



From the hardware kit, locate 8 of $3/8-16 \times 11/2$ " bolt and 8 of 3/8" washers.



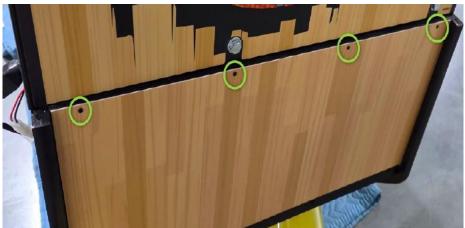




From the hardware kit, locate 8 of 4 X 1/2" small black screws and install on both sides using a #1 Phillips screwdriver.









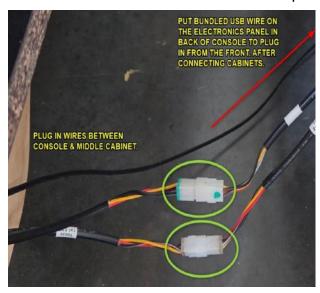
Warning! At this time, the front console with top marquee is ready to be stood upright. The assembly will be unstable until attached to the rear sections.

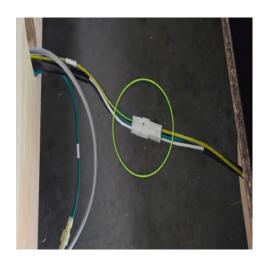
It is very important to have 4 people ready to hold in position until it is secured!



Plug together the wires connectors between the rear cabinet an middle cabinet on both left and right sides.

The colored connectors should match up.





Locate the 2 remaining A5ME10010 bottom side connector plates.



From the hardware kit, locate 20 of black 1/4-20 X 1 Phillips head bolts. (10 per side)





Note: If the holes do not line up - adjust the leg leveler feet on the cabinet.





From the hardware kit, locate 16 of the black ½-20 X 1 Phillips head bolts.







Locate both A5ME10013 long roof metal side rails.

From the hardware kit, locate 7 of the black 10 X 5/8" screws



Flip the assembled roof side upside-down so that the decal is facing down. Place metal rail on long straight edge of the wood and match up pilot holes with the metal bracket.

Ensure the "L" is positioned to the inside of the wood as shown.





Repeat on other side.

From the hardware kit, locate 16 of the black ½-20 X 1 Phillips head bolts.



Using 3 people - the side boards can now be installed on the top of the cabinet.

We recommend 2 people inside the cabinet to hold each side and one person on a ladder outside the cabinet to insert the bolts.



From the hardware kit, locate 8 of the black 1/4-20 X 1 Phillips head bolts.



Locate both AAME10019 Side Metal Cages These are interchangeable - it does not matter which side goes where.

From hardware kit, locate 24 of black # 10 screws. 3 screws in each corner, total of 12 screws per side.





Bring a cage to the side of the cabinet and pass it to a person inside the cabinet to install. There are brackets and plastic spacers attached to each of the 4 corners.

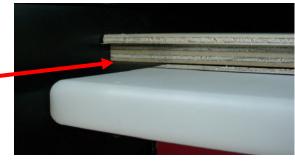


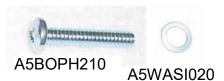


The flat edge bottom of the plexi will fit into the groove between the white plastic and wood lip.

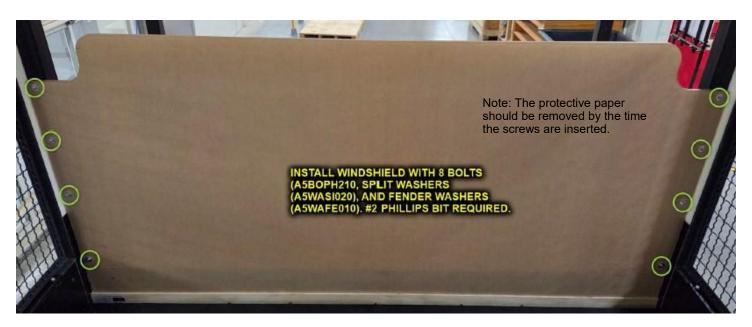
Slide acrylic plexi into place.

From hardware kit, locate 8 of 10-24 X 1 Phillips bolts and 8 of 3/16 X 3/4" lock washer and 8 of 3/16 X 3/4" fender washers. Hand thread each to get all started.









Locate 3 of WACA10000 Game Roof Boards
Place on top of game in the channel created by "L" brackets.
Ensure the T-nuts are facing upward.

Align holes in wood with holes in metal "L" bracket.

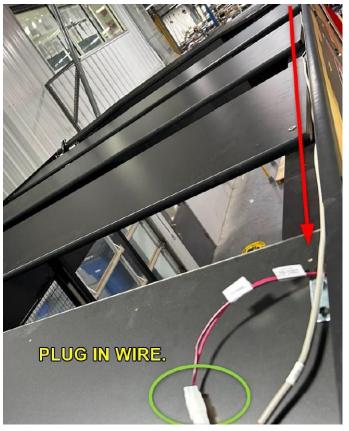


From the hardware kit, locate12 of the black ½-20 X 1 Phillips head bolts. The bolt is screwed in from under the metal bracket, upward into the wood and T-nut.









To plug in game:

Remove power cord from small cardboard box.



Option #2:

If you do not have access to the back of the game, climb inside the cabinet and remove the floor panel by removing the 10 screws using a #2 Square bit.

Climb down under the cabinet to the right and plug the power cord into the line filter.



Power on game:

Open the front middle door and turn on rocker switch on the power strip.



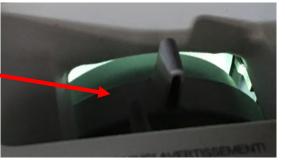
Allow game to boot up and inspect the picture quality. The projector may need to be adjusted.

If the screen picture is out of focus or too small, reach up into the marquee opening where the projection is emitted.



There are 2 levers on the projector.

One is for focus, the other for zoom.



If the screen picture is off to the side or height is off, the wood box holding the projector will have to be adjusted. This is not common.

Remove the small front marquee and unlock and open the front door in the marquee.



Loosen these bolts to adjust the projector up and down.





Loosen these bolts to adjust the projector left and right.





Ensure the USB cable from the rear controller board is plugged into any of the USB slots on the motherboard.

The game is now set up and ready for play!

Enter menu to adjust settings to your location specific price per play and ticket payout.

HOW TO PLAY

Choose a player color and insert your credits; wait for a partner to join, or shoot a ball to play solo!

EASY EASY EASY HARD HARD HARD
WAITING FOR RED...

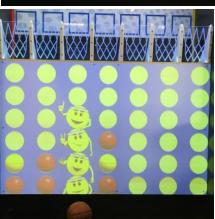
OR

SHOOT TO START SOLO GAME!
SALUT FAR YOUR DIFFICULTY ABOVE

Shoot when it is your turn.

Be the first to align 4 of your basketballs horizontally, vertically, or diagonally to win!

Collect your tickets once you Connect 4!



GAME PLAY THEORY OF OPERATION

Upon game start, the ball gate will lower to allow the balls to flow toward player.

As the ball is thrown into the hoops, sensor boards located behind white backboard will see the ball as it enters the target area.

The projector mounted inside the tall front marquee will display the information on the white backboard.

When game is over, the ball gate will raise to prevent further balls being released.



MAIN MENU FUNCTIONS

The Menu and Menu Select buttons are located inside the center lower front door.

Hold the MENU button down for 1 second to open the main menu on the display.

Press MENU to scroll through the options, and MENU SELECT to change the settings.

Default settings are highlighted in yellow below.





	MAIN MENU					
CLEAR CREDITS / TICKETS		Press the Menu Select button 3 times to clear any accumulated credits and tickets.				
VOLUME & ATTRACT SETTINGS	Press the Menu Select button to enter the Volume & Attract Settings Menu					
GAME SETTINGS	Press the Menu Select button to enter the Game Settings Menu					
PAYOUT SETTINGS	Press the Menu Select button to enter the Payout Settings Menu					
STATISTICS	Press the Menu Select button to enter the Statistics Menu					
DIAGNOSTICS	OFF	ON Set to "ON" and exit menu to enter Diagnostic Menu				
RESET FACTORY DEFAULTS	Press Menu Select button 3 t	imes to Reset Factory Defaults				
MUTE	OFF	ON Set to "ON" and exit menu to Mute entire game.				
EXIT MENU	Press the Menu Select button to exit menu.					

Software version is shown on the display as you enter the menu.

If one shows "Not Found" then the circuit board is not communicating to motherboard.

PC Version: 1.3.7 Aux Version: 2.6 Red Door: 1.7 Yellow Door: 1.7

Door Board Version: Not Found

VOLUME & ATTRACT SETTINGS

Scroll through the options by pressing the "MENU" button.

Change selection with the "SELECT" button.

Scroll to "BACK" and press the "SELECT" button to go back to the main menu.

VOLUME & ATTRACT SETTINGS

Game Volume:
Attract Volume:
Attract Timing:

BACK

Default settings are highlighted in yellow below.

GAME VOLUME

Change selection with the "SELECT" Button. Default settings are highlighted in yellow below.

0	1	2	3	4	5	6	7	8	9	10

Sets the game's playing volume. "0" means the volume is off.

ATTRACT VOLUME

Change selection with the "SELECT" Button. Default settings are highlighted in yellow below.

0 1 2 3 4 5 6	7 8 9 10
---------------	----------

Sets the volume level of the attract loop when the game is not being played. "0" means the volume is off.

ATTRACT TIMING

Change selection with the "SELECT" Button. Default settings are highlighted in yellow below.

1	2	3	4	5	6	7	8	9	10
									i

Sets the time in minutes between attract sound cycles.

GAME SETTINGS

Scroll through the options by pressing the "MENU" button.

Change selection with the "SELECT" button.

Scroll to "BACK" and press the "SELECT" button to go back to the main menu.

Default settings are highlighted in yellow below.

GAME SETTINGS

Game Mode / Payment: Turn Time Out: Full Column Shoot Again: Al Difficulty: Normal/Tickets 10 Disabled Player Picks

BACK

GAME MODE / PAYMENT

NORMAL / TICKETS NORMAL / POINTS NORMAL / COUPONS AMUSEMENT ONLY SHOW MODE

"NORMAL / TICKETS" means the game will pay out tickets, and show the word "TICKETS" on screen.

"NORMAL / POINTS" means the game will pay out tickets, and show the word "POINTS" on screen.

"NORMAL / COUPONS" means the game will pay out tickets, and show the word "COUPONS" on screen.

"AMUSEMENT ONLY" means the game will not pay out tickets.

"SHOW MODE" means the game will not pay out tickets and will only allow 1 credit at a time.

TURN TIMEOUT

NO TIMEOUT	2	4	6	8	10	12	 34	36	38

Sets the time in seconds that a player will forfeit their turn if a basket is not scored. "NO TIMEOUT" means the turn will end only with a basket scored.

FULL COLUMN SHOOT AGAIN

DISABLED ENABLED

"DISABLED" means the game will change to next player if a full column is scored. "ENABLED" means the game will allow the player to shoot again if a full column is scored.

AI DIFFICULTY

PLAYER PICKS	EASY	MEDIUM	HARD
--------------	------	--------	------

"PLAYER PICKS" means the player will pick computer difficulty (Either easy and hard) for 1 player game. Game will wait indefinitely for 2nd player to join.

Other options are hard coded with our estimate of computer difficulty for 1 player game. Game will wait 10 seconds for 2nd player to join before starting the 1 player game.

PAYOUT SETTINGS

Scroll through the options by pressing the "MENU" button.

Change selection with the "SELECT" button.

Scroll to "BACK" and press the "SELECT" button to go back to the main menu.

Default settings are highlighted in yellow below.



 CREDITS

 0
 1
 2
 3
 4
 5
 6

 38
 39
 40

Sets the amount of credit pulses needed to start a game. "0" will be free play.

SWIPE PROMPT

DISABLED

ENABLED

"ENABLED" will show "Swipe Card to Play" verbiage on the screen.

PAPER TICKETS RATIO 2:1

DISABLED

ENABLED

"ENABLED" will pay out 1 physical ticket for every 2 tickets won.

WINNER TICKETS

1 5 10 15 20 ... 95 100 105 <mark>110</mark> 115 120 ... 280 285 290 295

Sets the amount of tickets the winner will receive.

See payout table on next page for recommended settings for average tickets per game.

LOSER TICKETS 10 15 20 25 30 35 40 45 50 ... 275 280 285 290 295

Sets the amount of tickets a non-winner will receive.

See payout table on next page for recommended settings for average tickets per game.



DISABLED

0

5

ENABLED

"ENABLED" will pay out the same amount of tickets for every game.

TICKET PATTERNS

WINNER TICKETS	LOSER TICKETS	AVERAGE TICKETS PER GAME	PRICE PER PLAY
20	10	14-16	\$.50 PER PLAY
50	20	34-36	\$1.00 PER PLAY
80	20	48-52	\$1.50 PER PLAY
110	30	68-72	\$2.00 PER PLAY
140	40	88-92	\$2.50 PER PLAY
160	50	100-110	\$3.00 PER PLAY

These are estimates of Average Tickets per Game using the shown ticket values for game winner and game loser.

Change ticket values in the "Payout Settings" menu to change your individual payout percentages.

STATISTICS

Scroll through the options by pressing the "MENU" button.

Change selection with the "SELECT" button.

Scroll to "BACK" and press the "SELECT" button to go back to the main menu.

Default settings are highlighted in yellow below.

Total Red Games: 0 Total Yellow Games: 0 Total Red Tickets: 0 Total Yellow Tickets: 0 Reset Statistics: cleared BACK

TOTAL RED GAMES

Shows the total number of Red (left side) games played.

TOTAL YELLOW GAMES

Shows the total number of Yellow (right side) games played.

TOTAL RED TICKETS

Shows the total number of Red (left side) tickets dispensed.

TOTAL YELLOW TICKETS

Shows the total number of Yellow (right side) tickets dispensed.

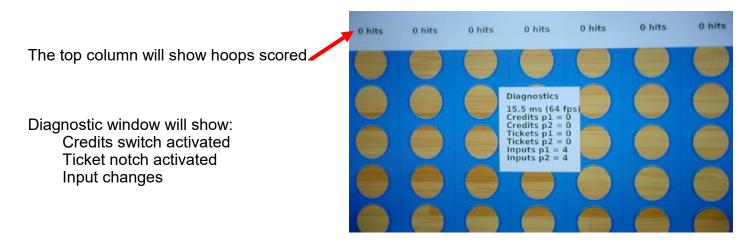
RESET STATISTICS

Press the "SELECT" button 3 times to go back to reset statistics.

DIAGNOSTIC MENU

The Diagnostic Menu can be entered by selecting ON in the Main Menu, and then exiting the menu.

The ball gate motor will cycle open, and this screen will appear:

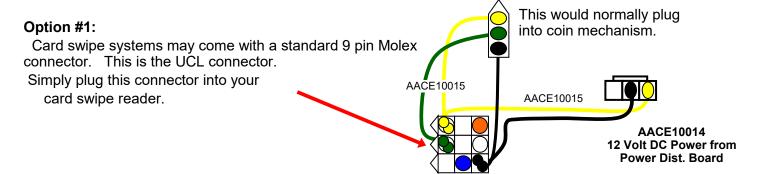


Press the Menu Button to exit diagnostics and return to the main menu.

CARD SWIPE SYSTEM INSTALLATION

The Connect 4 Hoops game is pre-wired with a UCL (Universal Card Link) connector to accept Card Swipe systems from many different manufactures.

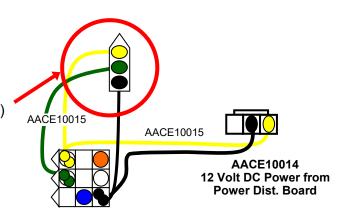
Please follow these instructions to make full use of this capability.



Option #2:

If your card swipe systems does not have a standard 9 pin Molex connector, then you will have to splice wires into the AACE10014 & AACE10015 harness.

Black wire is ground. (common)
Green wire is coin signal.
Yellow wire is +12 Volts DC



Notes:

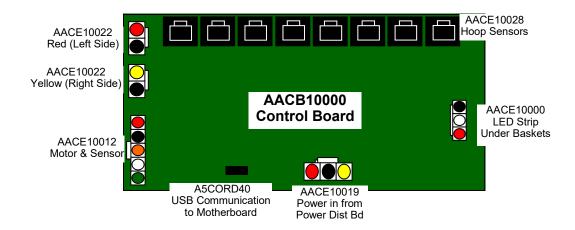
- 1.) Many card swipe systems have a voltage threshold that can be adjusted in the card swipe menu. Please set this "Game Drive Threshold" to 2 Volts.
- 2.) There are ticket dispenser extension cables located in the left side coin door if needed.

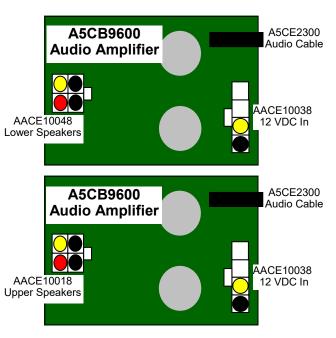
Menu Changes

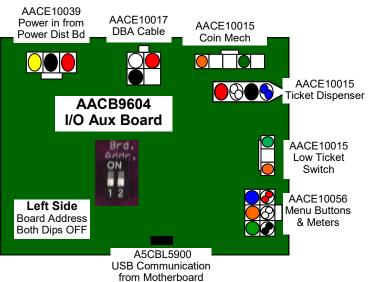
Enter menu, go to "Payout" Menu Change "Credits" to 1 Change "Swipe Prompt" to "Enabled"

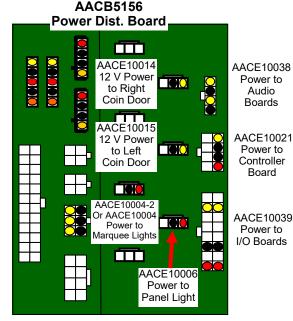
Go to "Game Settings" Menu
Set "Game Mode/ Payment" to desired option

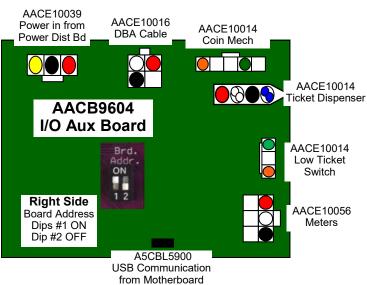
Circuit Board Layout



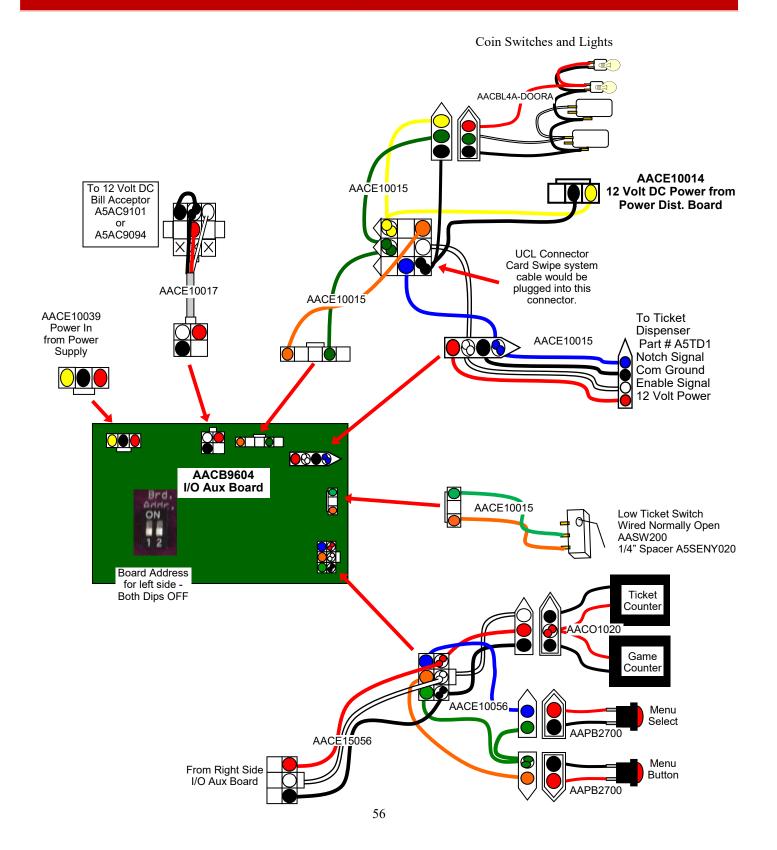




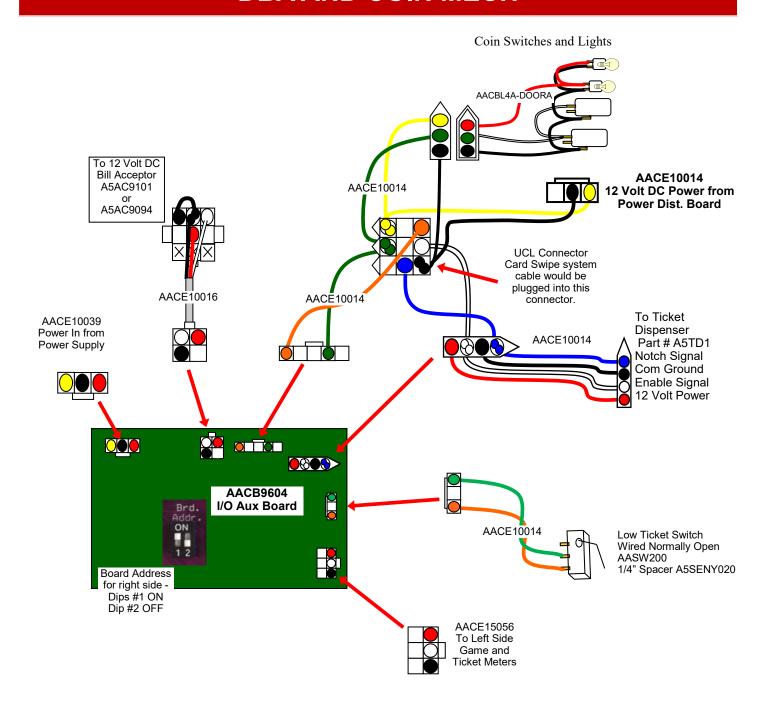




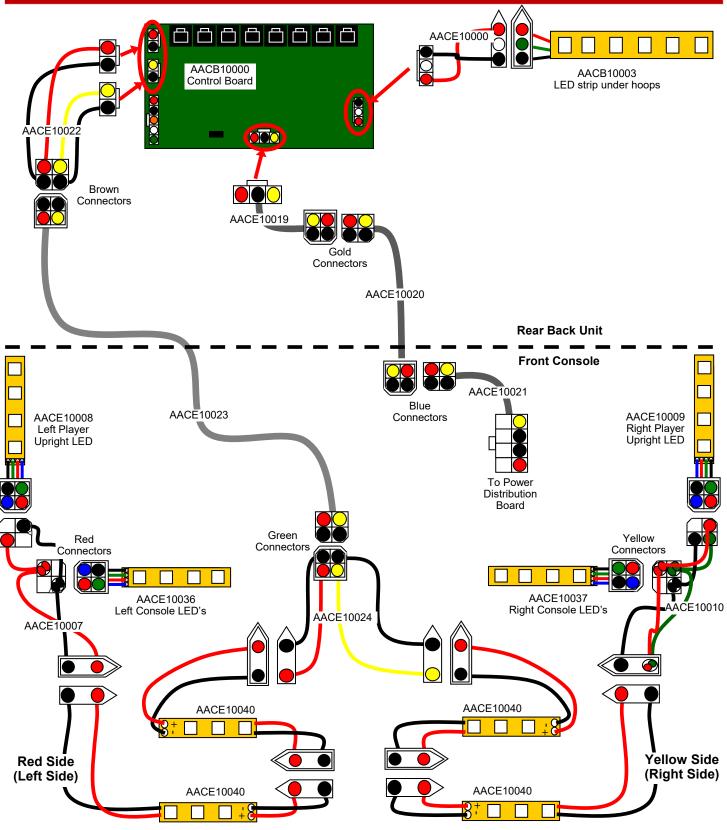
LEFT SIDE (RED): TICKET DISPENSER, MENU BUTTONS, METERS, DBA AND COIN MECH



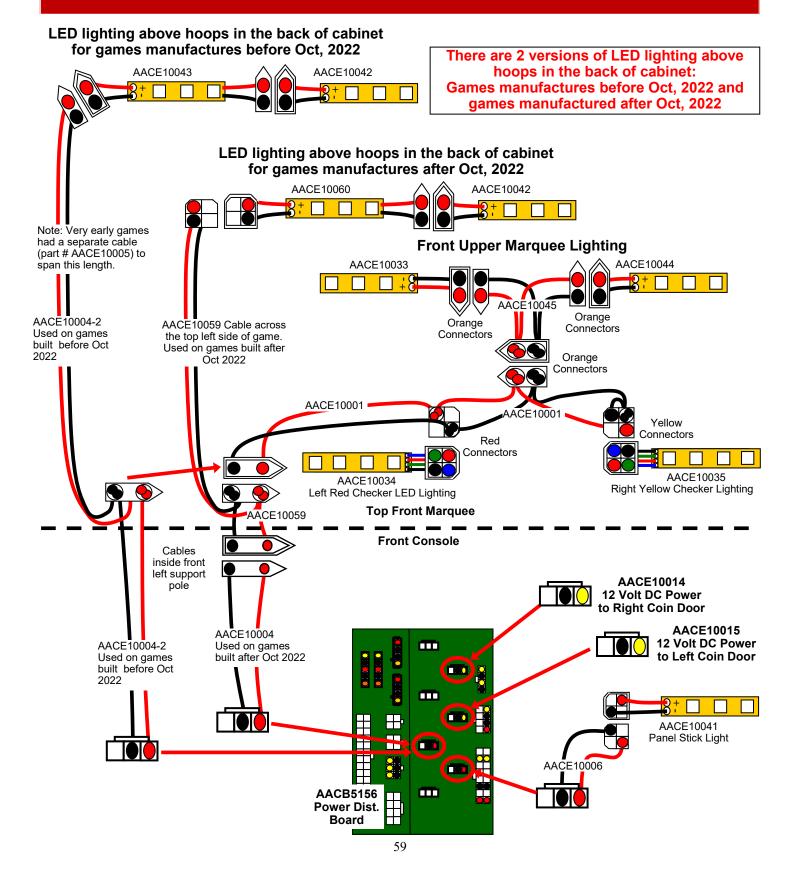
RIGHT SIDE (YELLOW): TICKET DISPENSER, DBA AND COIN MECH



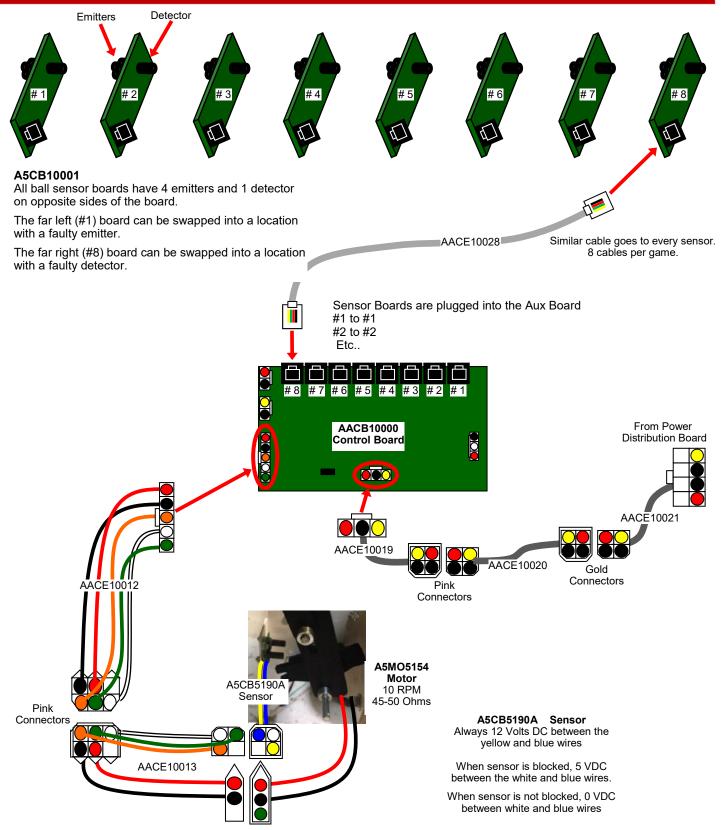
LED LIGHTING



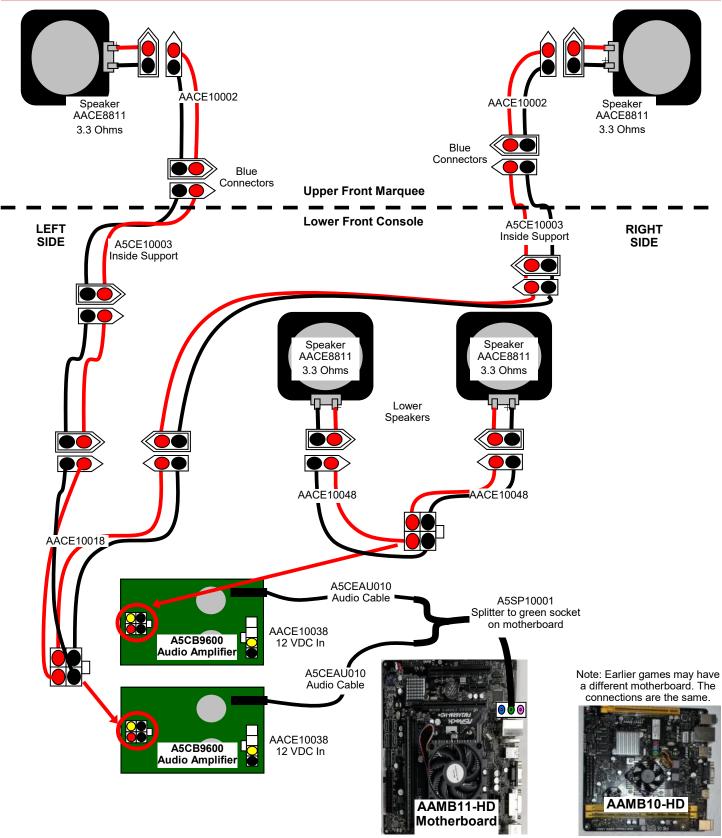
LED LIGHTING



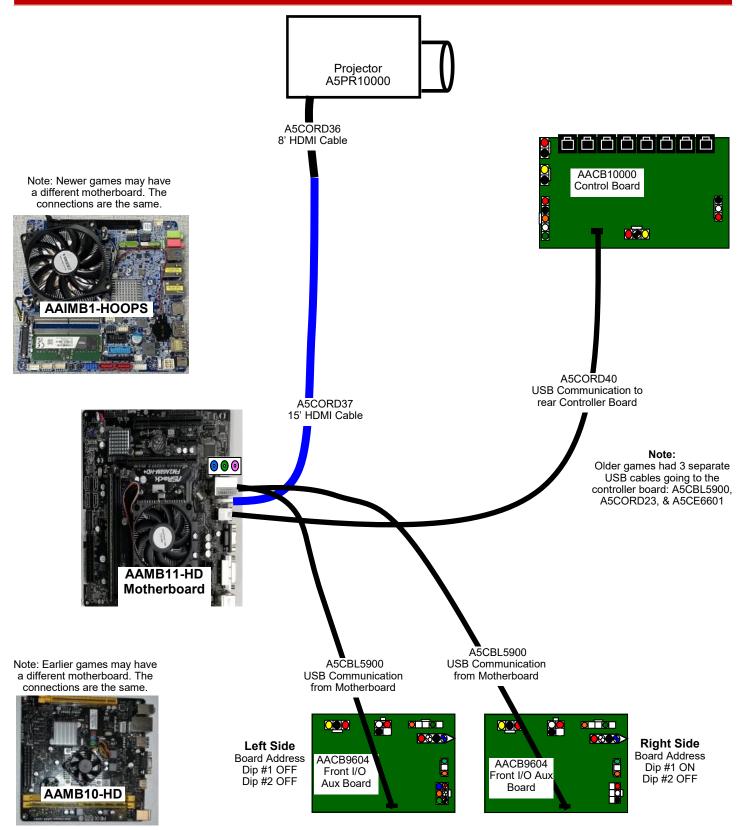
BALL GATE MOTOR, SENSOR AND HOOP SENSORS



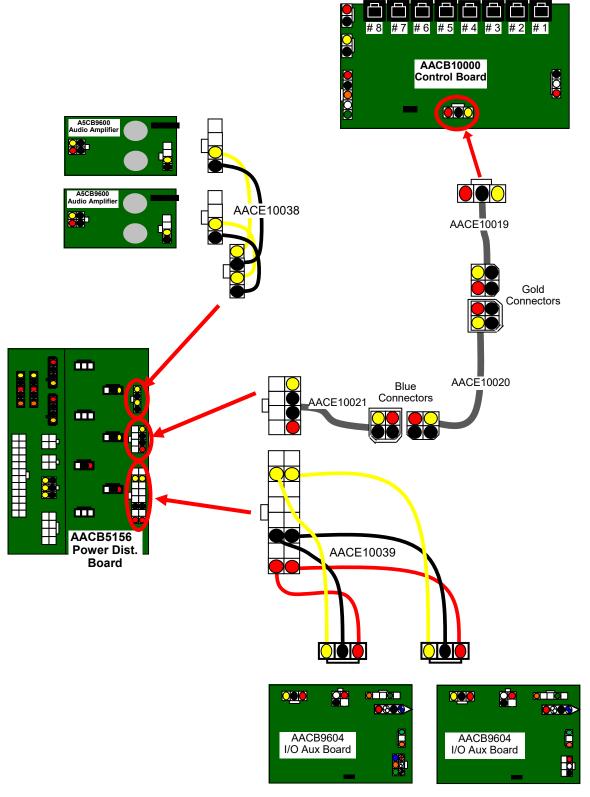
SPEAKERS



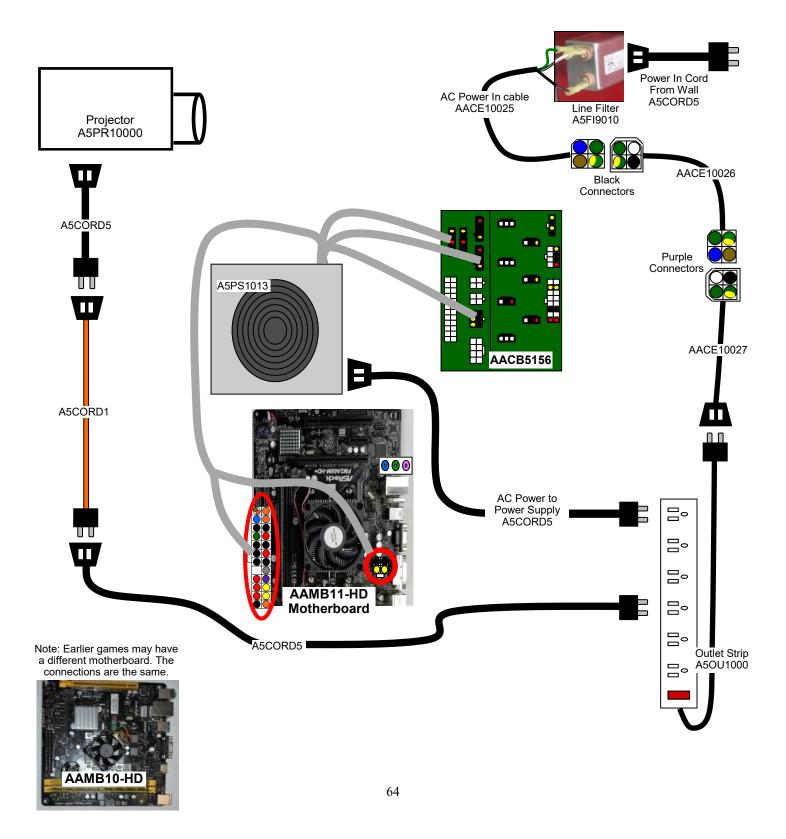
COMMUNICATION



POWER SUPPLY & 12 VOLTS DC



AC IN



MOTHERBOARD COMMUNICATION OPTIONS

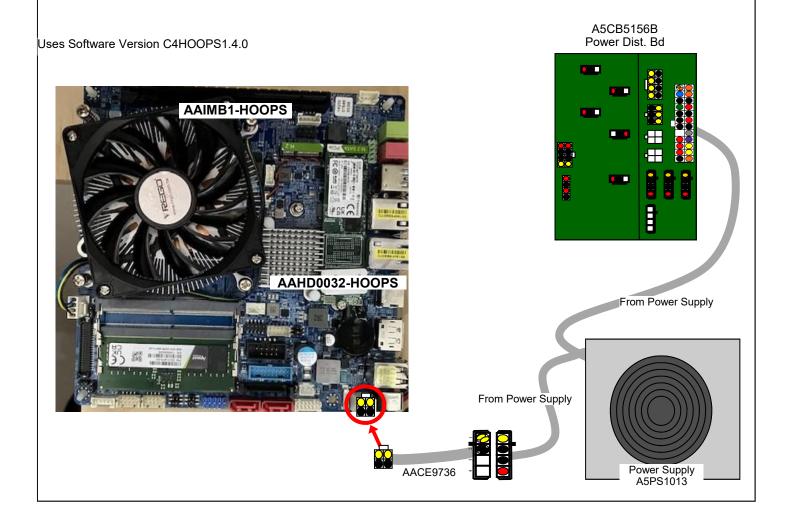
As motherboards become obsolete and unavailable, replacement motherboards may require different cables and plug ins to fit and function.

These are the 4 different motherboards used in the Connect 4 Hoops game.

AAIMB1

4 pin power connector needed.

24 pin power in connector must be plugged into Power Distribution Board USB Communication from Motherboard to projector, control board and door boards.



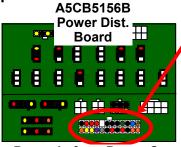
AAIMB1 MOTHERBOARD DIFFERENCES

As of Sept. 2024, the Connect 4 Hoops games use the AAIMB1 motherboard. There are a few differences from Baytek's other games' motherboards.

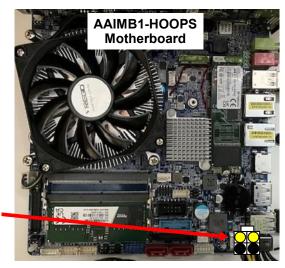
Difference # 1:

The power in from the power supply is only a 4 pin plug.

The 24 pin connector from the power supply MUST be plugged into the power distribution board for the game to power up.



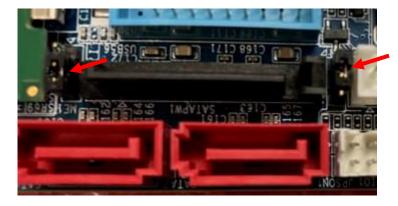
Power In from Power Supply



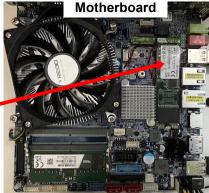
Power In from Power Supply

Difference # 2:

Jumpers on the motherboard need to be in these positions:



AAIMB1-HOOPS



Difference #3:

The M.2 software drive (Part # AAHD0032-HOOPS) location.

Difference #4:

There are less jacks on the motherboard, but the sound jack still plugs into the green socket.



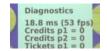
Troubleshooting StrategyUse common sense and a systematic method of troubleshooting to determine the exact problem, probable cause and remedy. Use the process of elimination to find the faulty component. Always check for the simple and obvious causes first such as unplugged, loose or broken wires and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

	Troubleshootin	g Chart		
Problem	Probable Cause	Remedy		
	Unplugged.	Check wall outlet.		
No power to the game No lights on at all	Circuit breaker tripped.	Reset power strip breaker switch or building circuit breaker.		
	Line Filter Faulty.	Replace Line Filter (Part # A5FI9010)		
	Power strip faulty.	Change plug position, replace power strip if a section does not work. Part # A5OU1000		
	Disconnected, loose or broken wires.	Refer to wiring diagram. Check connections and reseat cables from line filter to outlet strip. Cables # AACE10025, AACE10026, and AACE10027		
Projector is on	Power supply unplugged.	Insure power supply is plugged into power strip		
But everything else off	Rocker Switch.	Make sure rocker switch is set ON.		
(Power Supply not ON)	Power supply shutting down because of 12 V overload.	See power supply diagnostics to isolate bad component. A bad motor or 12 volt short would cause this.		
	Faulty power supply.	See Power Supply Diagnostic below.		
	Faulty Power Dist Board	Replace Power Distribution Board (AACB5156)		
Dollar Bill Acceptor not functioning	Check for power to Bill Acceptor.	Acceptor should cycle stacker at game power up. If not, check cable connections.		
Ensure Bill Acceptor is set to "Always Enable"	Dirt or debris in acceptor slot.	Refer to "How to Clean Bill Acceptor" Or clean with bill reader cleaning card. (A5CC9000)		
Important : Only 12 Volt DC DBA is to be installed.	Pinched, broken, or disconnected wiring.	Check wiring from bill acceptor to Mini Gen Board. (AACE10016 & AACE10017) Repair or replace wiring harness. Make sure wires are secure in connectors.		
	Bill acceptor problem. Part # A5AC9101 or A5AC9094	Refer to troubleshooting section of dollar bill acceptor manual included with this game or the diagnostics label of the back of the unit.		
Meters does not work Game meter will click at the end of	Ensure correct number of tickets are being dispensed	Check ticket values in menu. Refer to Tickets not dispensing troubleshooting section.		
the game. Ticket meter will click as tickets come out of game and notch is "seen" by dispenser.	Disconnected, loose or broken wires.	Refer to wiring diagram. Check connections and reseat cables from meters to left I/O Aux Board Cables # AACE10056 and AACO1020		
	Faulty counter.	Replace counter. AACO1020.		

Problem Probable Cause Remedy

Game not coining up

Enter Diagnostic Mode (Turn diagnostics on, then exit menu) to see if Credits Increment when coin is inserted.



Look for communication and power on the I/O Aux Board for that player.

Ensure game makes sound when coin switch is triggered.

Game set to large amount of credits per game.

If Coin Input stays ON

Refer to "I/O Aux Board Issue" diagnostic section.



Check coin switches—both should be wired normally open. If one switch is "closed" the other will not work either. Check wiring to I/O Aux Board. (AACBL4A-DOORA, AACE10015 or AACE10014)

Check Game Setup Menu. Ensure Credits is set to proper value.

Ensure only 5 volts on coin switch green and black wires. I/O Aux board may be faulty. Swap I/O Aux board with other player side, making sure to change dipswitch settings. (Left side both off, Right side dip 1 is on, 2 is off)

No Sound

Motherboard creates sound, the Audio Amplifier boards amplifies it.

There are 2 Audio Amplifier Boards - one for the lower speakers and one for the top marquee speakers.

Swap these boards to isolate issue.

Volume set to mute in menu or game volume/attract volume set to zero.

Disconnected, loose or broken wires.

Verify 12 Volts DC to Audio Amplifier Boards

Faulty speaker.

Enter Main Menu and verify:

Game Volume & Attract Volume is not zero. Mute is set to OFF

Refer to wiring diagram. Check connections and reseat audio cable from motherboard to Newgen board. Cables # AACE8811, AACE10002, AACE10003, AACE10018, AACE10048, A5CEAU010, AND A5SP10001

Unplug splitter cable (A5SP10001) from motherboard, plug into MP3 player or phone and see if music is amplified and comes out of speaker.

If Yes - then motherboard is faulty.

If No - then cable or amplifier board is faulty

Replace speaker. AACE8811

I/O Aux Board Issue

One side of the game does not coin up, and has no other functions.



Red and Yellow LEDs

Green Power LED Green power LED should be flashing.

One blink for left side, 2 blinks for right side)

Red and Yellow LED's should be flashing.

Faulty I/O Aux Board.

If it is off, then check 12 & 5 Volts DC coming into board on cable AACE10039 from Power Distribution Board.

If solid on, then it is not communicating with the motherboard. Check A5CBL5900 USB cable. Swap cables with other side.

If they are off, it is not communicating with the motherboard. Check A5CBL5900 USB cable. Swap cables with other side.

Swap I/O Aux board with other player side, making sure to change dipswitch settings. (Left side both off, Right side dip 1 is on, 2 is off) Replace if needed. Part # AACB9604

	D. I. J. A.				
Problem	Probable Cause	Remedy			
LED white rear	LED's receive 12 Volts DC from power supply through	Check for proper connection from power supply to Power Distribution Board.			
cabinet lighting above hoops not working	The Power Distribution Board.	Refer to wiring diagram. Check connections and reseat cables from Power Distribution Board to LED lights. Cables # AACE10004 & AACE10059 or AACE10004-2, (AACE10005 if present), AACE10043, and AACE10042.			
	Faulty LED light.	Light strips are wired in series. Swap the 2 light strips to identify a faulty LED strip. Replace as needed. Part # AACE10043 or AACE10042			
LED white front	LED's receive 12 Volts DC from power supply through	Check for proper connection from power supply to Power Distribution Board.			
panel light not working	The Power Distribution Board.	Refer to wiring diagram. Check connections and reseat cable from Power Distribution Board to LED lights. Cables # AACE10006, and AACE1004			
	Faulty LED light.	Replace Panel Stick Light. Part # AACE10041			
Upper marquee	LED's receive 12 Volts DC from power supply through	Check for proper connection from power supply to Power Distribution Board.			
LED's not working	The Power Distribution Board.	Refer to wiring diagram. Check connections and reseat cables from Power Distribution Board to LED lights. Cables # AACE10004 & AACE10059 or AACE10004-2, AACE10001, and AACE10045			
	Faulty LED light.	Front LED strips are part # AACE10033 & AACE10044 Left checker LED strip is part # AACE10034 Right checker LED strip is part # AACE10035			
One of the left side, red colored LED strips	If all colored cabinet lights are not functioning, check power into the Control Board from the Power Distribution Board.	Refer to wiring diagram. Check connections and reseat cables from Power Distribution Board in the front of the cabinet to Control Board in the back. Cables # AACE10021, AACE10020, and AACE10019			
not working LED's receive 12 Volts DC from Control Board in the rear of the	If single LED strip is out, check cable. LED's are wired in series. Refer to wiring diagram.	Check for 12 volts coming from Power Distribution Board in the rear of the cabinet on red and black wires. If no 12 volts DC, ensure 12 volts is coming into board on cable # AACE10019. If voltage is present - replace Control Board part # AACB10000			
Refer to "How to	Faulty LED	Refer to wiring diagram. Cables # AACE10022, AACE10023, AACE10024, AACE10040, AACE10007, AACE10008, and AACE10036			
Access Rear Control Board"		Swap LED connector from one socket to the other to verify. Replace LED as needed.			

Probler	n	Probable Cause	Remedy		
One of the right side, yellow colored LED strips not working LED's receive 12 Volts DC from Control Board in the rear of the game. Refer to "How to Access Rear Control Board"		If all colored cabinet lights are not functioning, check power into the Control Board from the Power Distribution Board. If single LED strip is out, check cable. LED's are wired in series. Refer to wiring diagram.	Refer to wiring diagram. Check connections and reseat cables from Power Distribution Board in the front of the cabinet to Control Board in the back. Cables # AACE10021, AACE10020, and AACE10019 Check for 12 volts coming from Power Distribution Board in the rear of the cabinet on yellow and black wires. If no 12 volts DC, ensure 12 volts is coming into board on cable # AACE10019. If voltage is present - replace Control Board part # AACB10000 Refer to wiring diagram. Cables # AACE10022, AACE10023, AACE10024, AACE10040, AACE10010, AACE10009, and AACE10037 Swap LED connector from one socket to the other to verify. Replace LED as needed.		
LED color strip under the hoops are not working LED's receive voltage from Control Board in the rear of the game.		Ensure Control Board is receiving voltage from Power Distribution Board. Faulty LED	Refer to wiring diagram. Check connections and reseat cables from Power Distribution Board in the front of the cabinet to Control Board in the back. Cables # AACE10021, AACE10020, and AACE10019 Refer to wiring diagram. Cables # AACE10000, and AACE?????		
Menu Buttons do not work.		Swap connectors at the 2 buttons. Pinched, broken, or disconnected wiring I/O Aux board faulty.	Replace button if problem stays with button.(AAPB2700) Inspect crimp to ensure good connection. Check connections from menu buttons to left I/O Aux Board. Check cables (AAPB2700, AACE10056) Swap I/O Aux board with other player side, making sure to change dipswitch settings. (Left side both off, Right side dip 1 is on, 2 is off) Replace I/O Aux Board. Part # AACB9604		
84" Monitor Issues		That is a piece of white woo	There is a projector located in the front top marquee. Refer to "Projector Not Working" section.		
message on monitor Faulty loose Faulty		lty cable. Disconnected, se or broken wires. Ity low ticket switch.	Load tickets into tray. Ensure tickets hold down micro switch wire. Check connectors from low ticket switches to Newgen board. Check for continuity. (AACE10014 or AACE10015) Inspect switch and replace if needed. (AASW200) Swap I/O Aux board with other player side, making sure to change dipswitch settings. (Left side both off, Right side dip 1 is on, 2 is off) Replace I/O Aux Board. Part # AACB9604		

Probler	n i	Probable Cause	Remedy			
Tickets do not dispense		Opto Sensor on ticket dispenser dirty.	Blow dust from sensor and clean with isopropyl alcohol.			
or Wrong amount	Tickets on monitor does	Faulty ticket dispenser.	Replace with working dispenser to isolate the problem. (A5TD1)			
dispensed.	not match tickets coming	Notch on tickets cut too shallow.	Flip tickets and load upside-down to have large cut notch toward opto sensor.			
Check for the correct amount of	out of game.	Faulty cable. Disconnected, loose or broken wires.	Check connectors from ticket dispensers to I/O Aux board. Check for continuity. Cables AACE10014 or AACE10015			
tickets showing on Monitor		Faulty I/O Aux Board.	Swap I/O Aux board with other player side, making sure to change dipswitch settings. (Left side both off, Right side dip 1 is on, 2 is off, Replace I/O Aux Board. Part # AACB9604			
	Tickets on monitor does match tickets coming out of game.	Settings in Menu are incorrect.	Enter Menu and check certain areas: Game Mode / Payment to Normal/ Tickets Paper ticket ratio 2 to 1 Winner Tickets Loser Tickets - Note: A tie is a loser. Fixed tickets			
Ball Gate Motor not	Motor does not turn at	Check for 12 volts DC at motor.	If the motor is receiving power, but not turning, replace the motor. A5MO5154			
working. Motor will	Motor receives power through	Faulty cable. Disconnected, loose or broken wires.	Check connectors from motor to Control Board. Check for continuity on cables AACE10013 & AACE10012 to Control Board.			
cycle at game power on.	the Control Board in rear of game. Refer to "How to		Ensure Control Board is receiving 12 volt power. Refer to wiring diagram. 12 Volts DC should be between yellow and black wires on cables AACE10019, AACE10020, and AACE10021			
	Access Rear Control Board"	Faulty Control Board.	Replace Control Board if needed. # AACB10000			
	Motor turns at power on, but does not stop	Mechanical linkage/ spring issue.	Check springs on each end of the ball gate. Replace if needed. Part # A5SREX050			
	in correct position.	Position Sensor is not working correctly.	Clean sensor. Refer to "Ball Gate Motor keeps running" Replace sensor if needed.AACB5190A			
Ball Gate does Loosen the 2 bolts on the motor assembly, and slide bracket with slotted holes to adjust						

Ball Gate does not go down all the way. and slide bracket with slotted holes to adjust height of ball gate.

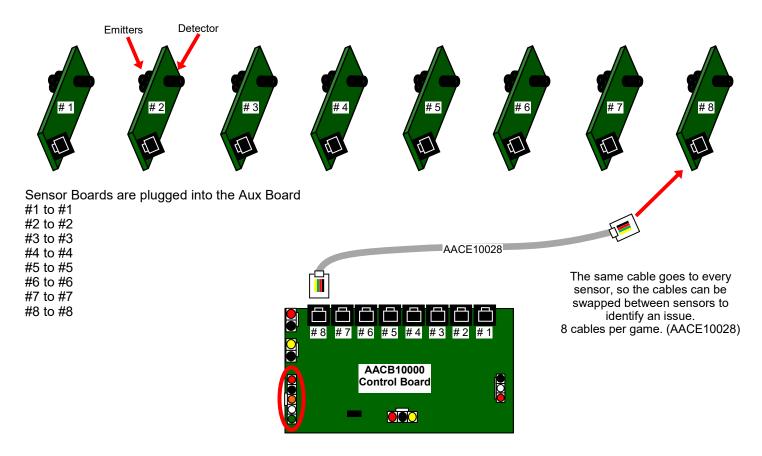


Proble	m		Probable Cause			Remedy	
keeps running. Motor will cycle at		Check for 12 volts to sensor and 5 volt signal return.			There should always be 12 volts on the yellow and blue wires. 5 volts on the white and blue wires when blocked and 0 volts when not blocked.		
game power on Sensor not bein seen.			broken, or ected wiring		Refer to wiring diagram. Check connections sensor to Control Board. Cables AACE10013 & AACE10012		
Sensor receives signals through the Control Board in rear of game.			Control Board. o "How to Access Rear oard"		Ensure Control Board is receiving 12 volt power. Refeto wiring diagram. 12 Volts DC should be between yellow and black wires on cables AACE10019, AACE10020, and AACE10021 Replace Control Board if needed. # AACB10000		
Projector	Input Note: Proje must	es Signal " ector be		her - ARAM ector ector	A5CORD3 unplugged unplugged		
working. Power down, wait	plugged in for motherboard to boot up.		Refer to Power Supply diagnostic section Faulty motherboard - Replace faulty board. (AAMB10-HD or AAMB11-HD)			section	
5 minutes and power up again.	Screen has nothing at all on power up.		Power cable unplugged from projector.		ed from	Ensure power is plugged into back of projector, down to power strip. There are multiple power cord connectors.	
Note: The projector		•	Faulty projector.			Replace projector. (A5PR10000)	
does not have a bulb that can be	Error		Display shows "k – unable to n			Faulty or loose RAM, faulty software, faulty motherboard	
replaced.	powe		Display stuck on	"Bios	star"	No SATA drive in motherboard. Check for power connector	
		e to see blem still		MESTAF	**		
Projector			under projector Slide levers	_		er is for zoom. er is for focus.	
Image Fuzzy	unut	that contains 2 slide levers		Rea	One slide lever is for focus. Reach up under projector and adjust these 2 knobs to up image on screen.		

HOOPS NOT SCORING

All ball sensor boards have 4 emitters and 1 detector on opposite sides of the board. These infrared sensors create a beam which the ball breaks to score a hoop.

Because these are interchangeable, the far left (#1) board can be swapped into a location with a faulty emitter. The far right (#8) board can be swapped into a location with a faulty detector.

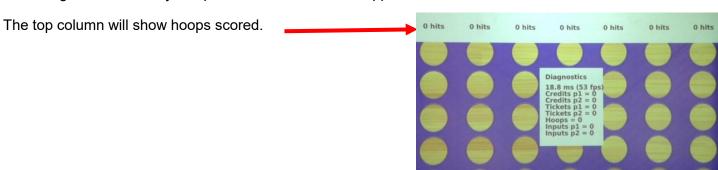


Diagnostic Menu

To Enter the Diagnostic Menu:

Enter Main Menu and scroll down to "Diagnostics:" turn to ON Exit Menu

The ball gate motor will cycle open, and this screen will appear:



POWER SUPPLY DIAGNOSTICS

1.) Verify AC power to game. Check power strip in front door. The rocker switch should be illuminated.

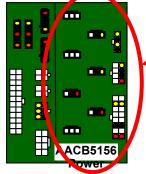


- 2.) Check connection to power supply.
- 3.) Ensure Power Supply switch is set to 115V (or 230V)

 (Some model power supplies may not have this)
- 4.) Ensure Power switch is on.
- 5.) Ensure fan is turning.
- If power supply fan is turning and there is no 12 Volt out:

Check power supply cables to the Power Distribution Board.

This board takes the power in, and directs it to the different 12 volt loads.



Unplug all power out connectors from the right side of the Power Distribution Board.

Turn on game and if it boots correctly, plug one cable in at a time until the issue is found.

Replace power supply if this board is not receiving 12 volts. (A5PS1013)

- If power supply fan is not turning, then continue to "Verify Power to Motherboard"

Verify Power to Motherboard

The motherboard will turn on power supply.

If your game has no 12 volts, it may be the motherboard not turning on.

Also - there may be a 12 volt short somewhere in cabinet that is not allowing the power supply to turn on.



AAMB10 or AAMB11

Make sure the 4 pin power connector is plugged in. (Black, Black, Yellow, Yellow)

As well as 24 pin power in connector.



Minimize load on power supply and isolate short

Unplug the power supply cables going to the Power Distribution Board.

This will leave the power supply, motherboard, and monitor left plugged in together.

If power supply, motherboard, and monitor now turn on:

Plug in the Power Distribution Board to power supply, but unplug all of the outputs from the board.

Turn on game and verify the 12 volts is good.

Then plug in one component at a time to power supply to locate short.

If power supply still does not power on:

Replace power supply (A5PS1013), or motherboard. (AAMB10-HD or AAMB11-HD)

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. Standard DBA is MEI # AE2454-U5E Part # A5AC9101

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:

Use meter to measure 12 VDC voltage at cable going into Bill Acceptor from front I/O Aux Board

If power is OK:

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

Check dipswitch settings on side of acceptor.

Make sure switch # 8 is OFF for Always Enable





Ways Enable

arness Enable

OFF

ON

ERROR CODES

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



I/O AUX BOARD PINOUT



= +12 VDC = +5 VDC = Ground = Output = Input

Q1 (PD1) Game counter Q2 (PD0) Tickets counter Q3 (PD6) Coin Lockout PE6 Ticket Enable PD4 Menu Button
PC6 Select Button
PD7 Ticket Notch
PB4 Coin In
PB5 DBA In
D15 (A1) Low Ticket Switch Input

75

HOW TO ADJUST PROJECTOR

Projector Image Fuzzy There is a slot under projector that contains 2 slide levers



One slide lever is for zoom. One slide lever is for focus.

Reach up under projector and adjust these 2 knobs to clear up image on screen.

Remote Control for the Projector

There are options in the projector menu that can be accessed by the remote control.

Please stand back 10 feet with the remote control so the projector "sees" it.

Casio XJ-V110W Projector

Image Adjustment

Brightness 0 Contrast 0

Color Mode Standard
Color Balance Normal

Volume Adjustments

Volume 15

Screen Settings

Keystone Correction 39
Aspect Ratio Normal
Projection Mode Front
Ceiling Mount On
No Signal Screen Blue

Blank Screen Black

Input Settings

Signal Name Indicator On

Option Settings 1

Auto Keystone Correction On Auto Power Off 10 Min Direct Power ON On Language English

Option Settings 2

High Altitude Off

HOW TO CHANGE SOFTWARE

New Software Installation:

The hard drive contains all the information about the game: Credits per play, ticket pattern, etc. Be sure to check this information after finishing installing new software.

Turn off game by flipping the power switch on the power strip.

Locate hard drive on motherboard.

Press tab on far side of hard drive and gentle remove from motherboard.

Unplug power supply jumper connector and remove old hard drive from unit.

Install new hard drive by gently pushing straight onto motherboard until it "clicks". Turn the game back on by flipping the power switch on the power strip.

Note: The I/O boards will automatically be updated by the motherboard software.





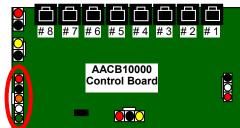
Motherboard

HOW TO ACCESS REAR CONTROL BOARD

The control board is accessed through the back of the cabinet, or through the middle platform access panel. If the game is up against the wall, carefully climb over the plexi shield (or remove the plexi) and enter the middle section of the game.

Remove the 6 screws (using a # 2 square bit) in the center bottom wood (as pictured above) and lift center wood up and place aside.

The control board is located in the rear section underneath the cabinet.



HOW TO ACCESS BALL GATE MOTOR & SENSOR

The ball gate motor and sensor are accessed through the back of the cabinet, or through the middle platform access panel. If the game is up against the wall, carefully climb over the plexi shield (or remove the plexi) and enter the middle section of the game.

Remove the 4 screws (using a # 2 square bit) in the center bottom wood (as pictured above) and lift center wood up and place aside.

Ball Gate does not go down all the way. Loosen the 2 bolts on the motor assembly, and slide bracket with slotted holes to adjust height of ball gate.



AVAILABLE BLANKING PLATES



A5PL4200 DBA Plate for 12V Upstacker Bill Acceptor



A5PL9998 Plate used instead of Coin Mechanisms



A5PL8900 Plate used for Bill Validator

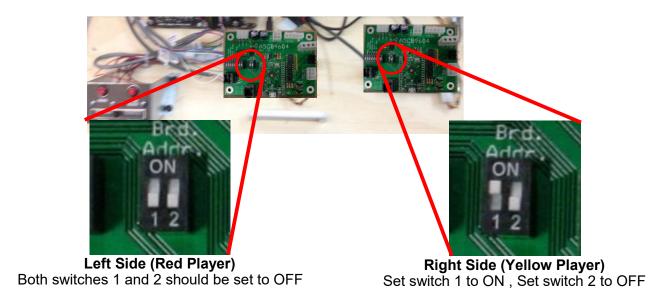


A5PL9995 Plate used instead of ticket dispenser

DIPSWITCH SETTINGS

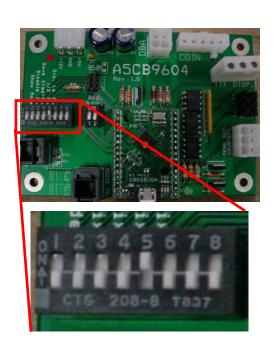
Dipswitches must be set correctly on the I/O Aux Boards or game will not know which is left or right player.

Turn off game by flipping the power switch on the power strip. Set dipswitches as shown:

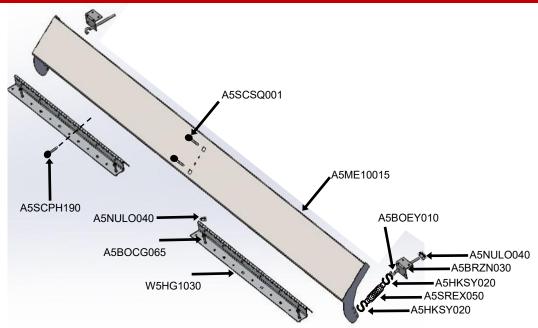


There are also a 8 dip bank of dipswitches on the I/O Aux Boards.

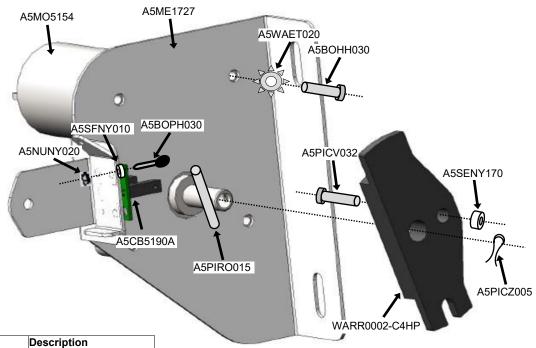
SWITCH	DESCRIPTION	ON	OFF
1	SHOW GAME Does not dispense tickets and clears all accumulated credits		х
2	AMUSEMENT ONLY Does not dispense tickets		Х
3	NJ LOCKOUT Saves tickets owed and unused credits after a power loss		X
4	1/2 TICKET PAYOUT Dispenses 1/2 the amount of tickets as shown on screen. It will round up odd amounts of tickets		х
5	DISABLES LOW TICKET INPUT Disables the low ticket message on screen. This option should be enabled when using a card swipe system	X	
6	NOT USED		
7	NOT USED		
8	NOT USED		



BALL GATE EXPLODED VIEW

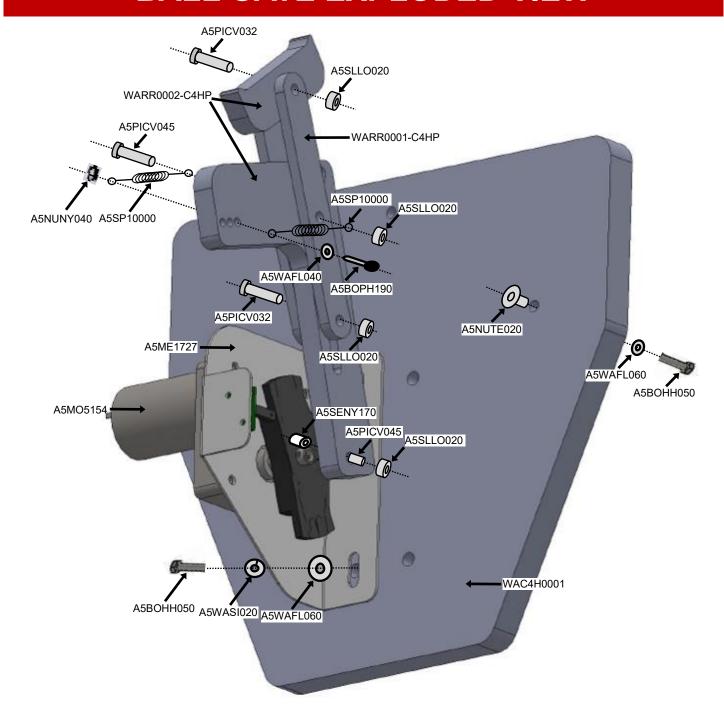


Part #	Description	A5HKSY020	S Hook	A5SCSQ001	#6 X 3/4" Screw
A5BOCG065	10-24 x 1 1/4" Bolt	A5ME10015	Ball Gate	A5SREX050	3/8" X 6" Spring
A5BOEY010	10-24 Eye Bolt	A5NULO040	10-24 Nut	W5HG1030	23" Hinge
A5BRZN030	1" X 1" X 2 " Bracket	A5SCPH190	10-24 X 1/2" Screw		



Part # A5BOHH030 10-32 X 3/4" Bolt A5MUNY010 Sticky Tab A5SENY170 1/4" X 1/4" Spacer 4-40 X 1/2" Bolt A5BOPH030 A5NUNY020 4-40 Nylon Hex Nut A5SFNY010 #4 X 1/4" Standoff 4" Wire Tie A5CB5190A Sensor A5PICV032 1/4 X 1 5/8" Clevis Pin A5TWNY010 A5ME1727 Motor Bracket A5PICZ005 3/32" X 1/2" Cotter Pin A5WAET020 #10 Tooth Lock Washer A5MO5154 A5PIRO015 3/16" X 1 1/4" Roll Pin WARR0002-C4HP Black HDPE 1/2" Thick Motor

BALL GATE EXPLODED VIEW



Part #	Description	A5SENY170	1/4 " X 1/4" Nylon Spacer
A5BOHH050	25-20 x 1 1/4" Bolt	A5SLLO020	1/4" Bore Shaft Collar, 3/32" Allen
A5BOPH190	10-24 X 1 3/4" Bolt	A5SP10000	7/16" X 2 3/4" Spring
A5ME1727	Motor Bracket	A5WAFL040	#10 Zinc Flat Washer
A5MO5154	Motor	A5WAFL060	1/4" Flat Washer
A5NUNY040	8-32 Hex Nylon Nut	A5WASI020	1/4" Split Washer
A5NUTE020	1/4 -20 T Nut	WAC4H0001	Wood for Ball Gate
A5PICV032	1/4 X 1 5/8" Clevis Pin	WARR0001-C4HP	Black HDPE 1/4" Thick Arms
A5PICV045	1/4 X 2 3/8" Clevis Pin	WARR0002-C4HP	Black HDPE 1/2" Thick Pivots

PARTS LIST

PART#	DESCRIPTION	PART #	DESCRIPTION
A5BA8300	Basketball, 8.75", Model Sb1015	A5ME10019	Metal, Side Cages
A5CB2050	Coin Box, Plastic, Black	A5SP10001	Audio Splitter, Stereo 3.5mm
A5HA1200	Handle, Cash Box, White Plastic	A5CEAU010	Cable, Audio Stereo 3.5mm
W5TM4000	T-Mold,7/8""Black	A5CORD1	Cord,Power,10'
A5LV10000	Levelers, C4 Hoops Cabinet	A5CORD5-A	Cord, Ac Computer Cord
A5PL8600	Plug, Plastic Round Plug 1-3/8" Dia	A5CORD23	Cord,10' Usb,A Male To A Female
AASW200	Low Ticket Switch	A5CORD36	Cord, 8' Hdmi To Hdmi
A5FC0080	Ferrite, Suppressor	A5CORD37	Cord, 15' Male To Female Hdmi
A5SP10000	Spring, Extension, 7/16 X 2-3/4	A5CE6601	Cable, Usb, 6', Extension, Blk
A5HKSY020	S Hooks	A5CBL5900	Cable, Usb, Male A To Male Micro
A5BOEY010	Eye Hook Bolts	AACE1710	Cable, Door Ground
A5SREX050	Spring,6",3/8"Od,.041"	AACE1715	Cable Assy, Ground Strap
A5LK2001	Lock, Cash Box, A05/E00 Key Code	A5CE2300	Cable, Audio Isolator
A5LK5002	Lock, 7/8", H95 Key Code	AACE10000	Cable Assy, Hoop Addressable Power
A5MO5154	Motor,Arm,10 Rpm	AACE10001	Cable Assy, Marquee Lights Power
AABR10000	Ball Release Assembly	AACE10002	Cable Assy, Marquee Speaker Jumper
AABK1013	Bracket, Pushbutton/Counters	AACE10003	Cable Assy, Speaker Jumpers
A5BK9999	Bracket, Power Supply Mounting	AACE10004	Cable Assy, Marquee Power To Back, after Oct. 22
A5HO1003	Holder, For Light Bars	AACE10004-2	Cable Assy, Marquee Power To Back, before Oct. 22
W5HG1025	Hinge,16",Double Bend	AACE10005	Cable Assy, Back Stick Light Power, Optional
W5HG1030	Hinge,23",Single Bend	AACE10006	Cable Assy, Panel Stick Light Power
W5HG1040	Hinge,8-3/8"Single Bend	AACE10007	Cable Assy, Red Lgt Powr From Panel
W5HG1065	Hinge,5-75,Single Bend	AACE10008	Cable Assy, Right Side Rail Rgb Lgt
W5KE5000	Keeper, Lock	AACE10009	Cable Assy, Left Side Rail Rgb Lgt
A5PL4200	Plate, Up Stacker	AACE10010	Cable Assy, Yell Lgt Power From Panel
A5PL8900	Plate, Blanking, Bill Validator	AACE10056	Cable Assy, Menu/Counters
A5ME1727	Metal Motor Bracket	AACE10012	Cable Assy, Motor Sensor Cable
A5ME4179	Metal, Tkt Tray Brkt	AACE10013	Cable Assy, Motor Sensor Cable
A5ME10000	Metal, Front Assembly Posts	AACE10014	Cable Assy, Right Coin Door/Tick Disp
A5ME10001	Metal, Top Lock Bracket	AACE10015	Cable Assy, Left Coin Door/Tick Disp
A5ME10003	Metal, Front Guard	AACE10016	Cable Assy, Right Dba
A5ME10004	Metal, Light Bracket	AACE10017	Cable Assy, Left Dba
A5ME10005	Metal, Marquee Trim	AACE10018	Cable Assy, Marq Spkr Wires
A5ME10006	Metal, Marquee Mount Bracket	AACE10019	Cable Assy, Pwr To Control Bd
A5ME10007	Metal, Front Assembly Side Rail	AACE10020	Cable Assy, Cntr Split To Control Bd
A5ME10008	Metal, Center Side Guard	AACE10021	Cable Assy, Control Bd Power
A5ME10009	Metal, Back Side Guard	AACE10022	Cable Assy, Panel Light From Control
A5ME10010	Metal, Bottom Side Connector	AACE10023	Cable Assy, Center Panel Light Split
A5ME10011	Metal, Top Side Connector	AACE10024	Cable Assy, Center Split To Panel Lgt
A5ME10012	Metal, Middle Back Connector	AACE10025	Cable Assy, Line Filtr From Power Box
A5ME10013	Metal, Top Side Rail	AACE10026	Cable Assy, Line Filter Center Conn
A5ME10014	Metal, Top Back Bracket	AACE10027	Cable Assy, Line Filter To P Strip
A5ME10015	Metal, Lift Gate Assembly	AACE10028	Cable Assy, Hoop Sensors
A5ME10016	Metal, Right Coin Guide	AACE10029	Cable Assy, Ps To Main Board Ground
A5ME10017	Metal, Left Coin Guide	AACE10030	Cable Assy, Right Coin Door Ground
A5ME10018	Metal, Cage Panel Bracket	AACE10031	Cable Assy, Left Coin Door Ground
72.22.10010	,	AACE10032	Cable Assy, Post Ground
		111210002	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

PARTS LIST DESCRIPTION PART# AACE10033 Cable Assy, Marquee Connect 4 Sign A5DE10013 AACE10035 Cable Assy, Mar. Yell & Red Checker A5DE10014 Cable Assy, Red Player Panel Light AACE10036 A5DE10015 Cable Assy, Yell Player Panel Light AACE10037 A5DE10017 Cable Assv.Cb9600 To Pwr Distribution AACE10038 A5VF4604 Cable Assy, Pwr Distribution To Brd AACE10039 A5VF10000 Cable Assy, Small Panel Stick Light AACE10040 A5VF10001 AACE10041 Cable Assy, Underside Panel Stick Lgt A5PR10000 Cable Assy, Top Of Back Cab Stick Lgt AACE10042 A5FI9010 Cable Assy, Top Of Back Cab Stick Lgt AACE10043 AACO1020 AACE10044 Cable Assy, Marquee Sign Hoops Light AACE8811 Cable Assy, Marquee Hoops To C4 Jumper AACE10045 A5TD1 Cable Assy, Left Tick Dispens Grnd AACE10046 A5PS1013 Cable Assy, Right Tick Dispens Grnd AACE10047 AACB5156 AACE10048 Cable Assy, Panel Speaker Wires, C4h A5CB5190A AACE10049 Cable Assy, Small Marquee Stick Lights A5CB9600 Cable Assy, Power To Marquee Stick Lights AACE10050 AACB9604 Cable Assy, Power To Marquee Sign Lights AACE10051 AACB10000 AACE10052 Cable Assy, Right Back Post Ground A5CB10001 Cable Assy, Left Front Post Ground AACE10053 AACB10003 Cable Assy, Left Back Post Ground AACE10054 AAMB10E-Cable Assy, Right Front Post Ground AACE10055 AAMB11-HD Cable across top of game, After Oct. 22 AACE10059 Cable Assy, Evolve, Ticket Extension AACE1860 AAPB2700 Push Button Assembly A5CBL4A-DOOR Cable, Double Coin Door Outlet, Strip, Six, 15amp, 125v A50U1000 Decal, Menu/Vol A5DE0042 Decal, Top Back A5DE10000 Decal, Backboard Plexi A5DE10001 A5DE10002 Decal, Speaker Panel Plexi Decal, Cabinet Front A5DE10003 Decal, Left Ticket Door Decal A5DE10004 A5DE10005 Decal, Right Ticket Door Decal Decal, Cash Box Door Decal A5DE10006 Decal, Marquee Logo A5DE10007 A5DE10007-1A Decal, Marquee Center Top Decal, Marquee Center Bottom A5DE10007-1B A5DE10007-2 Decal, Marquee Bg Left&Right Decal, Marquee Side A5DE10007-4 Decal, Cab Side Top Back Left A5DE10008-1 Decal, Cab Side Top Front Left A5DE10008-2 Decal, Cab Side Top Back Right A5DE10009-1 Decal, Cab Side Top Front Left A5DE10009-2 A5DE10010 Decal, Cab Side Bottom Left A5DE10011 Decal, Cab Side Bottom Right Decal, Mech Door Left, Red A5DE10012

PART#

DESCRIPTION

Decal, Mech Door Right, Yellow

Decal, Platform Right, Yellow

Vacuum Form, Cup Holder,C4

Projector, Casio Xj-V110w

Filter, F1700ca06, Inline

Ticket Dispenser, Entropy

Power Supply, Evga 500

Power Distribution Board

Audio Amplifier Board

C4 Hoops Controller Board

Light String Under Hoops

Motherboard, Alternative, MB11

Mother Board, Qc5000-Itx/Ph W/Hard Drive

Board, Door Interface

Hoop Sensor

Ball Gate Motor Sensor Board

Counter Assy

Speaker

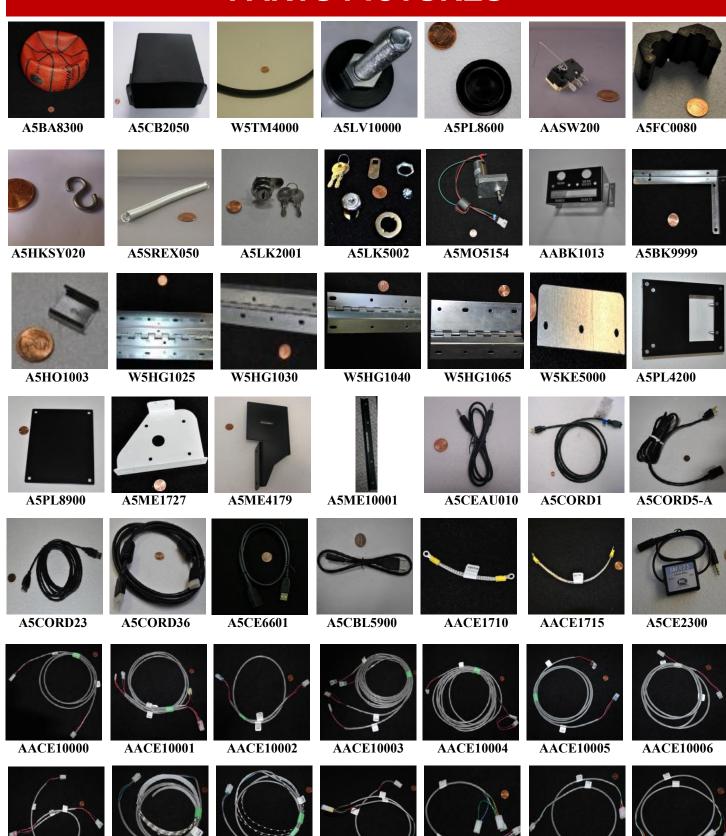
Vac. Form, Dist Printed Red Checker

Vac Form Dist Printed Yellow Checker

Decal, Platform Left, Red

Decal, Front Led Cover

PARTS PICTURES



AACE10010

AACE10056

AACE10008

AACE10007

AACE10009

AACE10012

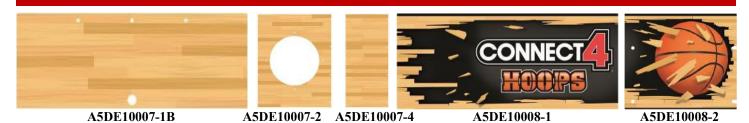
AACE10013

PARTS PICTURES



A5DE10018

PARTS PICTURES

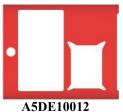










































A5PS1013









A5DE10021

A5DE10007-1A

AAMB11-HD

DECAL DIAGRAM



REPAIR/MAINTENANCE LOG

If you need to make repairs or order replacement parts it is a good idea to keep a log. Below is a chart you can use to track repairs and maintenance.

DATE	MAINTENANCE PERFORMED	PARTS ORDERED	MISC.

NOTES		

TECHNICAL SUPPORT

Excellent customer service is very important to Bay Tek Entertainment! 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:

• <u>Spare Parts</u> – 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:

Sometimes the issue isn't what it seemed to be. If you need to return a circuit board, just give us a call to get Return Authorization. You will be credited for the cost of the board and charged only the bench fee for our processing and retesting that board.

Note: Bench fees apply regardless of whether the repair was your choice or a recommendation from a Bay Tek Entertainment technician.

It's a small price to pay for troubleshooting the issues with your game.

You can count on our Technical Support Team for service and support!

WARRANTY OPTIONS

Bay Tek Entertainment warrants to the original purchaser that the game will be free of defects in workmanship and materials for a period of 12 months from the date of shipping Bay Tek Entertainment will, without charge, repair or replace at it's option defective product or

component parts upon notification to the parts/service department.

New, purchased parts have a 30 day warranty.

Any labor expended is not included in this warranty.

Warranty replacement part(s) will be shipped immediately via ground service, along with a Return Material Authorization (RMA) number for the return of defective part(s). Defective part(s) must be shipped back to Bay Tek Entertainment unless otherwise instructed.

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 the serial number decal is altered, defaced, or removed from it's original position.

Should you need your game serviced, determine the serial number from the decal on the back of the game cabinet or main board, and call **920.822.3951 Ext. 1102**

or e-mail to: service@baytekent.com

Connect 4 Hoops Shipping Checklist Game Serial



The game will arrive on 4 pallets. Please inspect the pallets for shipping damage and report immediately to the freight company if any damage found.

Ε

Each pallet will contain the following items:	
Console Pallet:	
6 Inflated basketballs in a bag (part # A5BA8300) 4 poles bolted to back of cabinet Back Right Pole (part # AAME10000-1) Back Left Pole (part # AAME10000-2) Front Right Pole (part # AAME10000-3) Front Left Pole (part # AAME10000-4) 2 long roof side rails screwed to the game (part # A5ME10013) Large marquee sitting on top of the platform (part # AAMA10001) Hardware kit inside the left side, red door (part # A5KIT-HOOPS)	
Middle Pallet:	
Clear acrylic ball guard (part # WACA10091) 3 of top of game roof boards (part # WACA10100) 1 left small upper side boards (part # AASI10003) 1 right small upper side boards (part # AASI10002) 1 left large upper side boards (part # AASI10001) 1 right large upper side boards (part # AASI10000) Small Box: Smaller marquee (part # AAMA10000) 4 of bottom side connector plates (part # A5ME10010) wrapped together 4 of top side connector plates (part # A5ME10011)	er
2 of middle back connector plates (part # Upper Back Pallet: Wrapped to	A5ME10012)
No extra parts on pallet Lower Back Pallet: 2 cages with brackets attached wrapped to the game (part # AAME10019)	
Inspected By:	