

FACTORY CONTACT INFORMATION



BAY TEK ENTERTAINMENT

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WELCOME TO HYPERNOVA

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 product as much as we do!

Your Friends at Bay Tek Entertainment

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	773 lbs	351 kg					
GAME DIMENSIONS							
WIDTH	33 1/2"						
DEPTH	74 1/2"						
HEIGHT	Variable (104	4 3/4" to 143")					
	·	`					

OPERATING TEMPERATURI	

FAHRENHEIT	45 - 80 F
CELSIUS	7.2 - 26.7 C

SHIPPI	ING DIMENSIONS	
Upper Cabinet	50"L x 48"D x 93"H	450 lbs.
Lower Cabinet	80"L x 36"D x 82"H	440 lbs.
Marquee Sign	50"L x 48"D x 31"H	135 lbs

Note:

An optional Incredible Marquee can be added.

Height can be adjusted from 143" to 150".

For height restricted locations: The marquee artwork can be removed for a game height of 104 3/4"

POWER RI	EQUIREM	ΕN	TS				
INPUT VOLTAGE	115 VAC		230 VAC				
INPUT FREQUENCY		50 Hz					
	•						
MAX OPERA	ATING CUI	RR	ENT				
3.25 AMPS @ 115 VAC							
1.625 AM	IPS @ 230 V	4C					



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.



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.



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 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.



IN CASE OF EMERGENCY



UNPLUG THE POWER CORD.

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

ADJUSTABLE MARQUEE

The optional Incredible Marquee itself is adjustable.

Game height with the marquee can be adjusted from 143" to 150".

Note: There are options available for low ceiling height, refer to previous page for options.

143" - 150" 364 cm - 381 cm



The game will arrive on 2 pallets. Please inspect the pallet for shipping damage and report immediately to the freight company if any damage is found.



Important:

Portions of this game are heavy bulky, and large. Assembly requires 2-3 people to lift heavy sections of the cabinet, and ladders that are tall, safe, and strong enough to position components to the top of the game.

Tools Needed:

1 step ladder (12-15 foot) # 2 Square bit 5/32" Allen wrench Philips Screwdriver

9/16" socket 3 people 1/4" Allen wrench

7/16" wrench or socket

Note: Refer to YouTube video at https://youtu.be/4pK3kJwlOp4 for a game setup walk through.

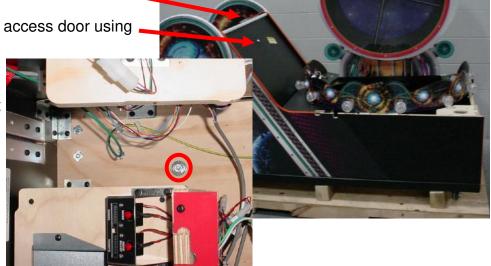
Unbox lower cabinet and remove the keys from the front of the game.

Unlock and remove the console access door using

a H95 key.

Remove the 1 front shipping bolt from the front of the cabinet using a 9/16" socket wrench.

This bolt can be discarded.

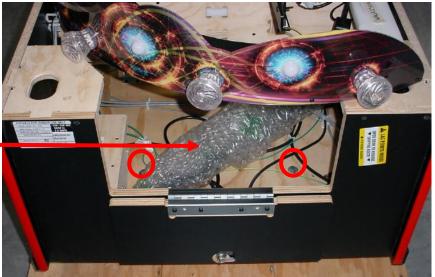


From the rear door, remove the 2 rear shipping bolts from the back of the cabinet using a 9/16" socket wrench.

These bolts can also be discarded.

Remove the propeller from the bottom of the game and unwrap. Save for later installation.

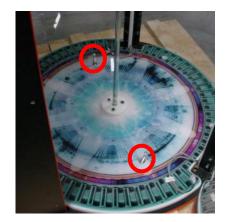
Remove the lower cabinet from the pallet.



Unbox upper cabinet.

Remove the 5 Allen bolts from 1 side plexi window using a 5/32" Allen wrench. Save for later installation.

Remove the 2 shipping bolts from the bottom of upper cabinet using a 9/16" socket. These bolts can be discarded.





Remove the shaft collar from the top inside upper cabinet using a 5/32" Allen wrench.



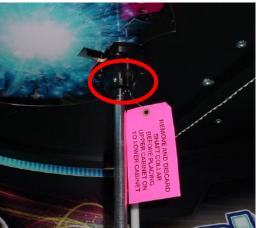
Slide the shaft collar and warning tag down the shaft to the bottom of the upper cabinet.

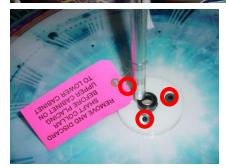
Lift the shaft upward and remove the collar and warning tag. These can be discarded, they are only used during shipping.

Remove the white plastic plug from the bottom of the upper cabinet by removing the 3 screws using a # 2 square bit.

This white plastic piece can be discarded. It is only used during shipping.







Before removing the upper cabinet from the pallet—re-install one of the screws back into the side plexi to keep the plexi side closed.

Remove the upper cabinet from the pallet and lay down on it's back near the game's final position.

Remove the crown from the lower cabinet by removing the 2 shipping screws using a # 2 square bit.

Since the top of the game is laying on its back, you can now install the crown to the top of the game easily.

Attach the crown to the top of the game by installing 3 of the 1/4" x 20 bolts, washer, & split washer with a 7/16" socket.

Plug the CE23041 cable into the crown lighting CE23028

If game is equipped with the optional marquee sign, this will now be removed from the lower cabinet and installed on the upper cabinet while it is still laying on it's back.

Remove the 2 nuts holding the marquee in place using a 7/16" socket and bring marquee to the top of the upper section. (which is still laying on its back)

Attach the optional large marquee (if purchased) to the top of the game by installing 4 of the 1/4" x 20 bolts, washer, & split washer with a 7/16" socket.

Plug the 4 cables into the marquee:

CE23026 to CE23063

CE23031 to CE23027

CE23032 to CE23020

AC power to AC plug

Important!

Remove the small piece of wood and the white plastic piece from the lower cabinet. The small piece of wood can be discarded.

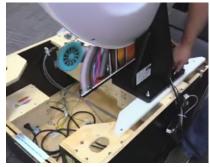
Install the white plastic piece onto

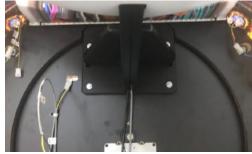
the rear of the lower cabinet to assist as a pivot point when raising the upper cabinet up.

The top of the white plastic piece should be flush with the top wood of the lower cabinet. Install using the 4 screws removed earlier.











9

The upper cabinet will now be complete and laying down on it's back. To assembly the game, the assembled upper cabinet will be set up on the edge of the lower cabinet then lifted up into position.

Push the lower cabinet up against the wall near game final position. This will prevent the lower cabinet from moving away while the upper cabinet is lifted and stood upright on top of the lower cabinet.



With 2 people - position the upper cabinet near the lower cabinet.





Raise the lower section of the upper cabinet up on top of the lower cabinet as shown:



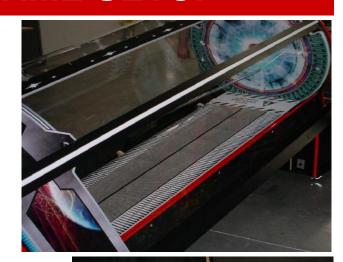
The upper cabinet must rest on the rear edge of the cabinet as shown.

Another view of it resting on the white

plastic.

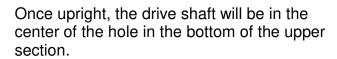


The top end of the upper cabinet will be resting on the floor as shown.



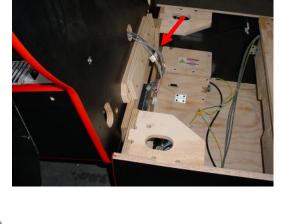
Ensure the cables are clear of any pinch points before the big lift.

Using 3 people - Lift the top of the upper cabinet and raise into position on top of the lower cabinet.

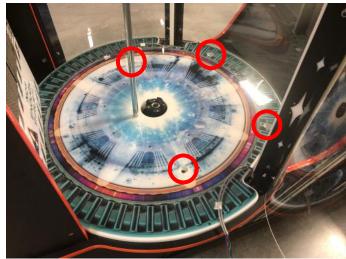


Slide upper section back if needed to allow drive shaft to protrude from the hole.





Insert 4 black bolts from inside the plexi down into the lower cabinet using a 1/4" Allen wrench.



Open the rear bottom door.

Reach inside rear bottom door and insert 2 bolts, washers, and split washers upward into the top cabinet. Tighten using a 3/4" socket.



Use a rag to wipe the shaft from top to bottom. Residue may have accumulated during shipping.

Lift shaft and place the propeller onto shaft.

Be sure to install with writing up.



The shaft is meant to be free floating. Lower shaft back down into place in the hub.

Both front rails have LED lights that can now be plugged in.

Feed the light cable down through the hole.

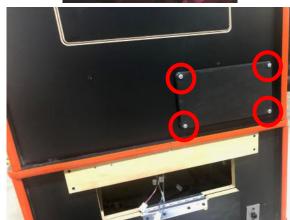


Connect the CE23014 cable to the CE23043 cable as shown. Push the excess cable length back into the cabinet.

- Do the same to the other side.



Remove the black plastic access panel by removing the 4 screws using a Phillips screwdriver.



Reach inside and connect the 11 cables from the top section to the lower section:

CE23036 to CE23035

CE23005 to CE23004

CE23013 to CE23014

CE23012 to CE23002

CE23023 to CE23024

USB cable to USB cable

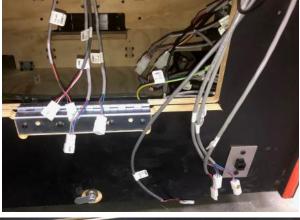
Ground Wire to Ground Wire

CE23006 to CE23051

CE23007 to CE23051

CE23013 (black connectors) to CE23049

CE23013 (gold connectors) to CE23047



Remove the white plastic piece and **store inside the cabinet** - just in case the top needs to be brought back down to move game or to gain access to lower section.



Important! Reach into the access hole and lower the audio cable down into the bottom of the cabinet and connect to the waiting audio cable.



Re-install the 5 bolts into the plexi side panel using a 5/32" Allen wrench.



Remove the power cord from the bottom of the cabinet and feed back into the hole in the back of the cabinet or into the hole in the floor of the cabinet.



Plug the end into the "Power Box" in the bottom left of the rear of the game.

Plug the other end into a grounded outlet.



Power on game by opening the front door and turn on the rocker switch located on to of the coin box.

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.

CARD SWIPE SYSTEM INSTALLATION

The Hypernova 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.

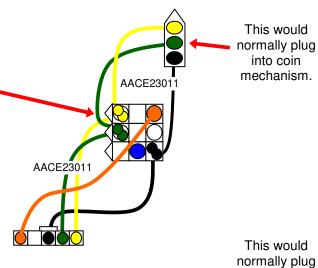
Option #1:

Card swipe systems may come with a standard 9 pin Molex connector. This is the UCL connector.

Simply plug this connector into your card swipe reader.

Note:

- 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.

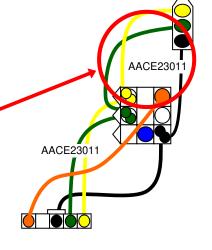


into coin mechanism.

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 AACE23011 harness.

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



Menu Changes

Enter menu, scroll to "Credit" Menu Verify "Credits" set to 1

Scroll to "Card Swipe" Menu

Verify set to "1"

Check dipswitches on the I/O Aux Board in the front of game. Verify Dipswitch # 5 ON

HOW TO PLAY

Players push the handle down to skillfully spin the propeller, giving it just enough force to try to land on a big bonus!

Collect tickets and play again!

Game Theory of Operation:

The game is designed to give tickets after the player lifts, then pushes down on the plunger handle.

Upon coin up, the solenoid will engage and provide a mechanical link from the plunger handle to the propeller drive assembly.

As the plunger is pushed down, the propeller drive assembly will spin the propeller. The propeller will then rise due to the pressure difference created by the spinning airfoil.

The proximity sensor in the top of the game will determine the height reached by the propeller and display it on the screen.

Tickets will then be awarded as determined by the ticket pattern.

The solenoid will stay engaged, allowing the player to plunge again to spin the propeller faster until enough lift has been created for the propeller to reach a ticket pattern value.

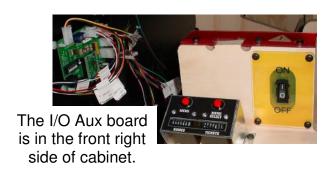
Once a ticket value has been reached, the solenoid will disengage.

If the player pushes the handle hard and spins the propeller all the way to the top, the player will receive the "Mercy Ticket" value set in the menu.



HOW TO LOCATE CIRCUIT BOARDS

Most circuit boards can be accessed from the back door of the game.





The sound amplifier board is in the front right side of cabinet.

AVAILABLE BLANKING PLATES



A5PL4200 DBA Plate for 12V Upstacker Bill Acceptor



A5PL8900 Plate used for Bill Validator



A5PL9998 Plate used instead of Coin Mechanisms



A5PL9995 Plate used instead of ticket dispenser

Menu buttons are located inside the front door.

Hold the "MENU" button down to enter the menu.

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

Change selection with the "SELECT" button.

Scroll through the menu to the end to exit the menu.



Default settings are highlighted in yellow below.

CLEAR CREDITS

Press the "Menu Select" button 4 times to clear credits and tickets owed.

				G <i>A</i>	ME VO	LUME				
0	1	2	3	4	5	6	7	8	9	10

Sets the game volume on a sliding scale from 0 to 10.

0 means no volume.

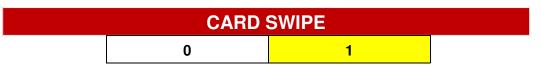
				ATTI	RACT V	OLUME				
0	1	2	3	4	5	6	7	8	9	10

Sets the attract volume on a sliding scale from 0 to 10.

0 means no volume.

						CR	EDITS					
0	1	2	3	4	5	6	7	8	9	 18	19	20

Sets the amount of credit pulses needed to start a game.



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

			ME	RCY TIC	KETS			
0	1	5	10	20	30	40	50	60

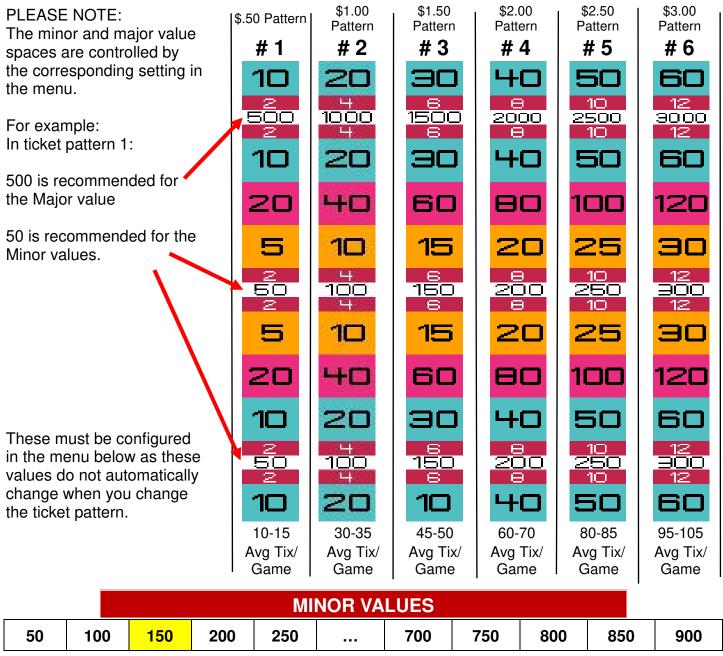
Will pay out selected tickets if the player spins the propeller all the way to the top, or if game is not played and time outs.

TIMEOUT							
0	1	2	3	4	5		

Amount of minutes the game will allow player to spin propeller before game ends and gives mercy tickets. 0 means the game will never timeout.

	TICKET PATTERN							
1	2	3	4	5	6			

Sets the ticket pattern for game play. Available patterns are described below.



Sets the 2 Minor values on the Ticket Pattern. Used for fine-tuning payout.

		MAJOR VALUES											
100	200	300	400		1200	1300	1400	1500	1600	1700		5000	5100

Sets the 1 Major value on the Ticket Pattern. Used for fine-tuning payout.

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

Change selection with the "SELECT" button.

Scroll through the menu to the end to exit the menu.

RETRY ATTEMPT						
0	1					

Allows the player a second chance if the propeller goes all the way to the top on the 1st attempt. Set to "1" to allow this second chance.

Set to "0" to not allow this second chance.

GAME VERSION

1.17

DOOR VERSION

1.5

CB23000 VERSION

1.07

TOTAL GAMES

Shows total games played since the last time the statistics were cleared.

TOTAL TICKETS

Shows total tickets awarded since the last time the statistics were cleared.

TOTAL JACKPOTS

Shows total number of large jackpot scores won since the last time the statistics were cleared.

CLEAR STATISTICS

Press the "Menu Select" button 4 times to clear statistics.

DIST DIAG

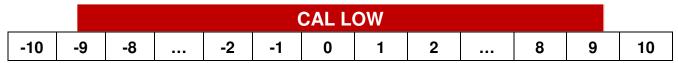
0

This enables the propeller solenoid and will display the height of propeller spin on the display. Values shown are height of the propeller. From 0 to 197.

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

Change selection with the "SELECT" button.

Scroll through the menu to the end to exit the menu.



Rarely used option to fine tune the propeller location in the low section of travel.

Refer to "How to Fine Tune Propeller Calibration" section of manual.

	CAL MID											
-10	-9	-8		-2	-1	0	1	2		8	9	10

Rarely used option to fine tune the propeller location in the middle section of travel.

Refer to "How to Fine Tune Propeller Calibration" section of manual.

	CAL UPR											
-10	-9	-8		-2	-1	0	1	2		8	9	10

Rarely used option to fine tune the propeller location in the upper section of travel.

Refer to "How to Fine Tune Propeller Calibration" section of manual.

Important!

Do not attempt to adjust any of these calibration settings without first understanding the principles of the propeller sensor.

Refer to the "How to Fine Tune Propeller Calibration" section

DIPSWITCH SETTINGS

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		Х
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		х
6	NOT USED		
7	NOT USED		
8	NOT USED		



Note: UP is ON

I/O AUX BOARD PINOUT





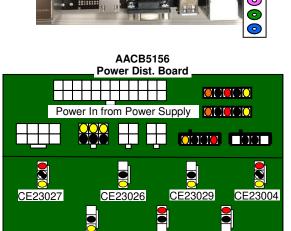
Outputs:
Q1 (PD1) Game counter
Q2 (PD0) Tickets counter
Q3 (PD6) Coin Lockout
PE6 Ticket Enable

Inputs:

PD4 Menu Button
PC6 Select Button
PD7 Ticket Notch
PB4 Coin In
PB5 DBA In

CIRCUIT BOARD LAYOUT

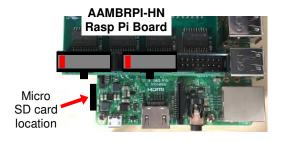




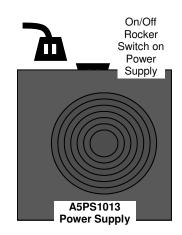
CE23033

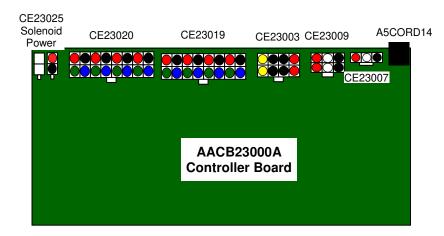


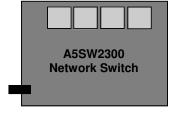
CE23006



CE23030



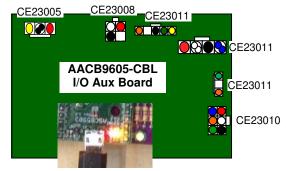




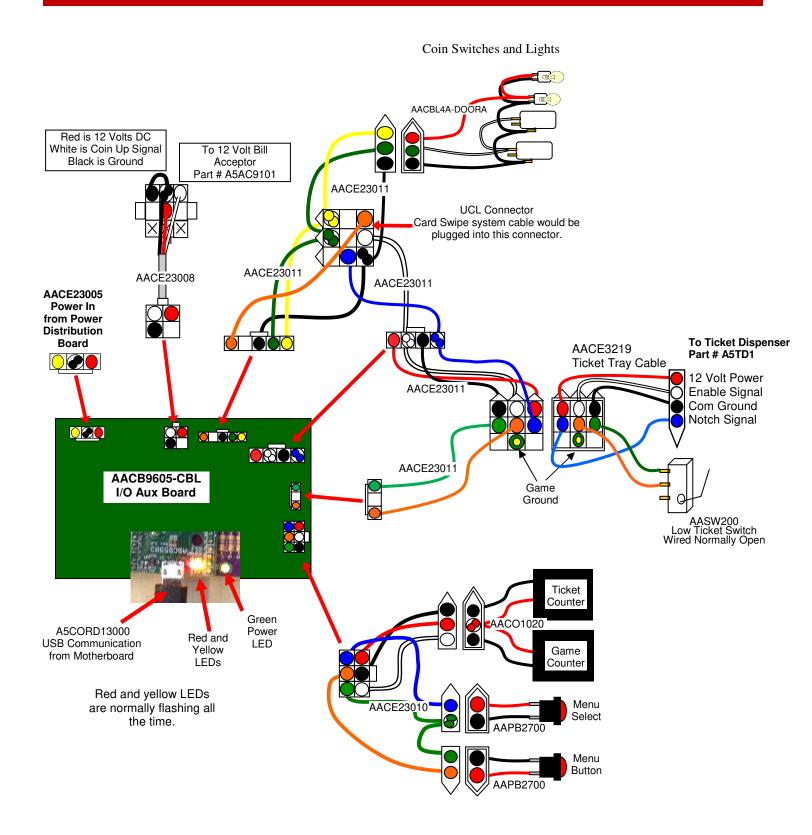
Back of the Game

Front of the Game

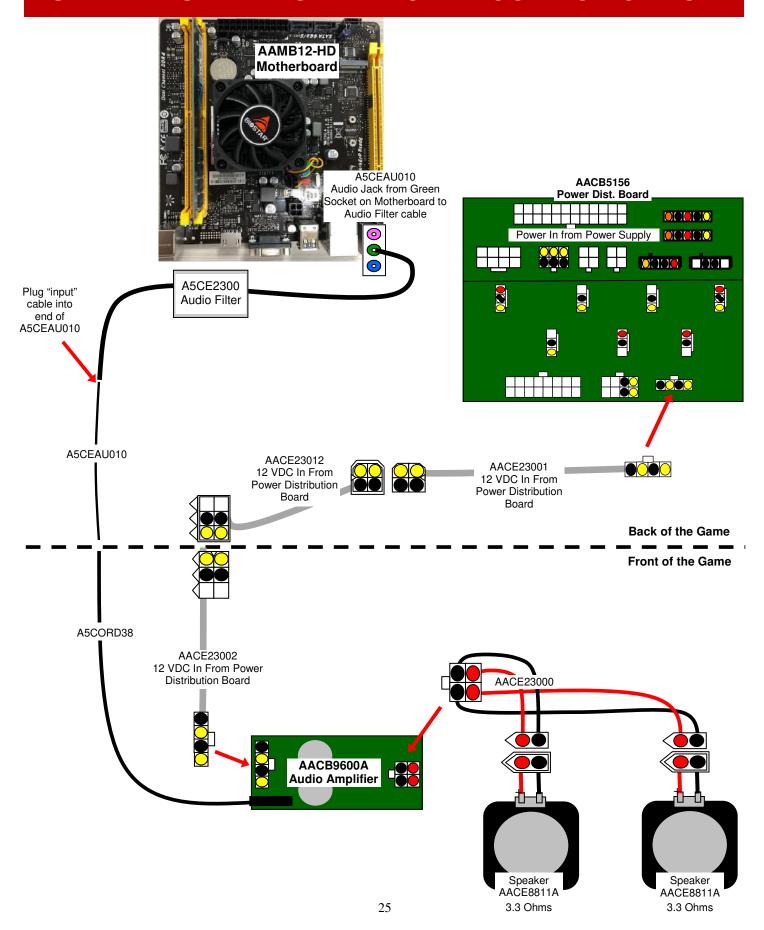




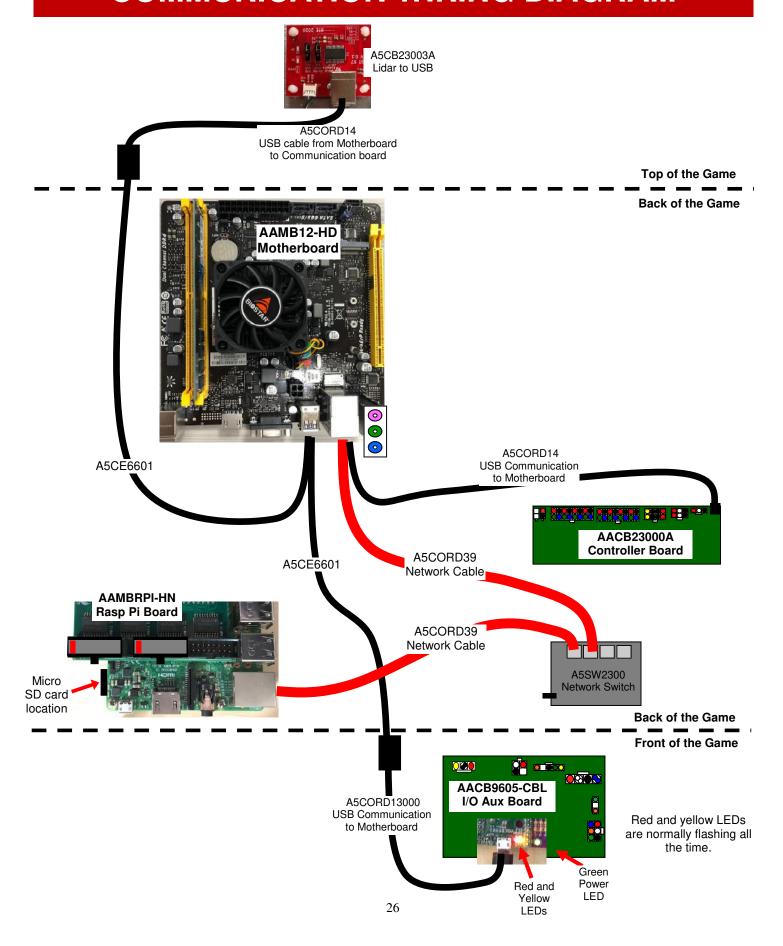
I/O AUX BOARD WIRING DIAGRAM



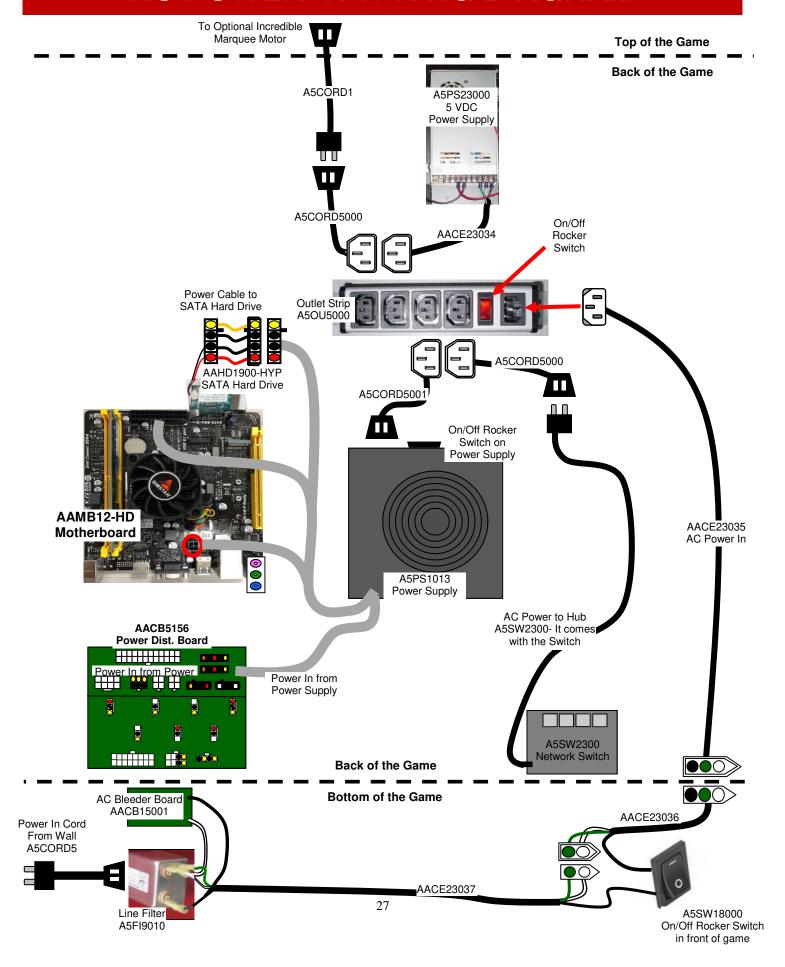
SPEAKERS AND MOTHERBOARD COMMUNICATION



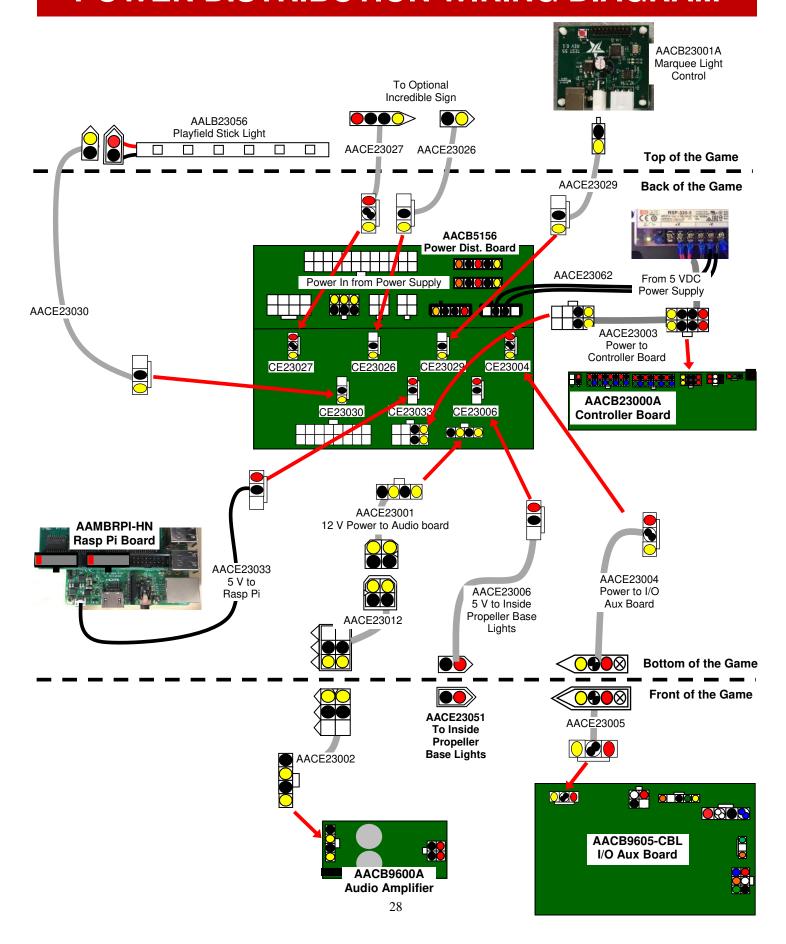
COMMUNICATION WIRING DIAGRAM



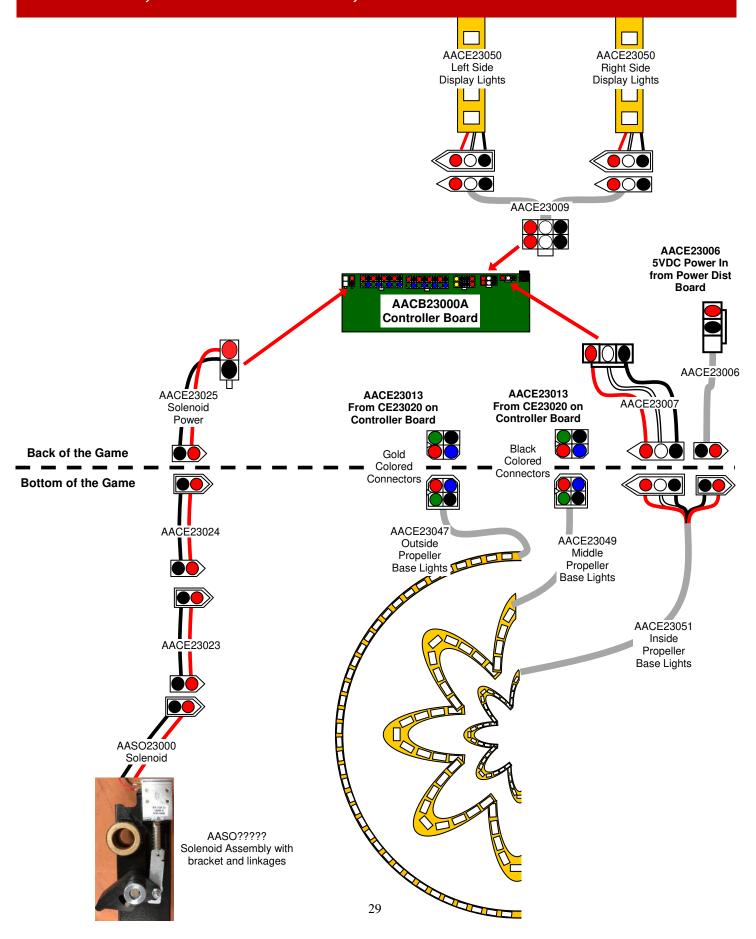
AC POWER IN WIRING DIAGRAM



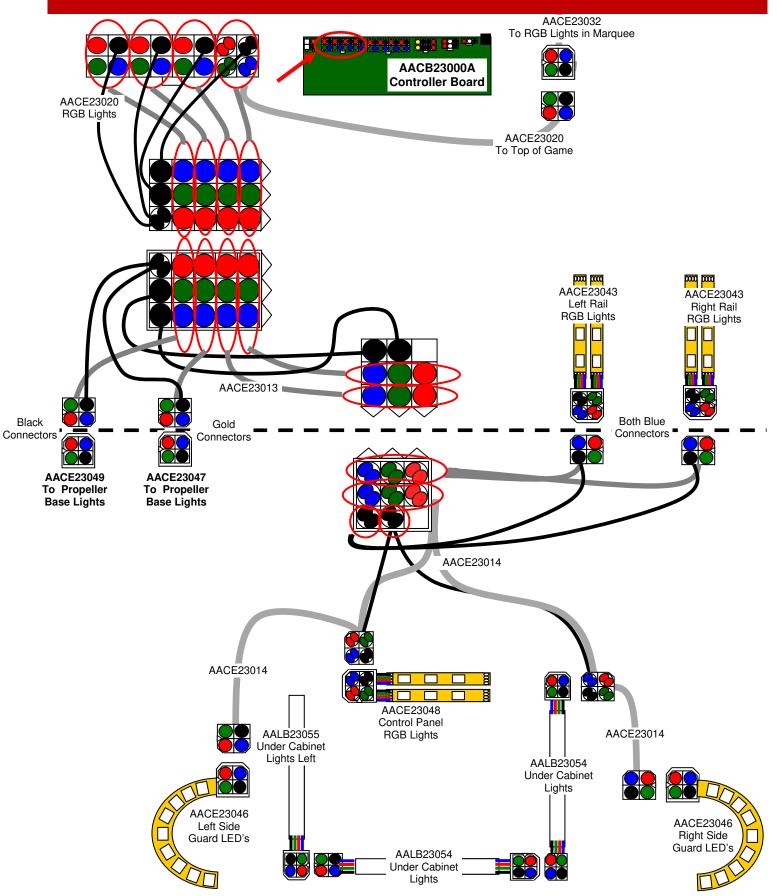
POWER DISTRIBUTION WIRING DIAGRAM



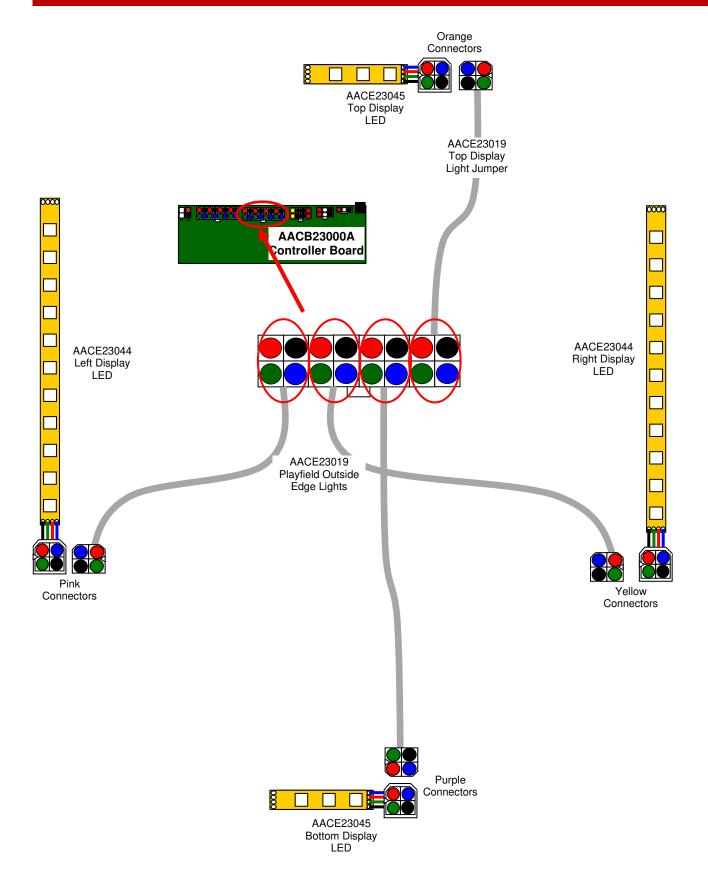
SOLENOID, PROPELLER BASE, & SIDE LIGHTS WIRING DIAGRAM



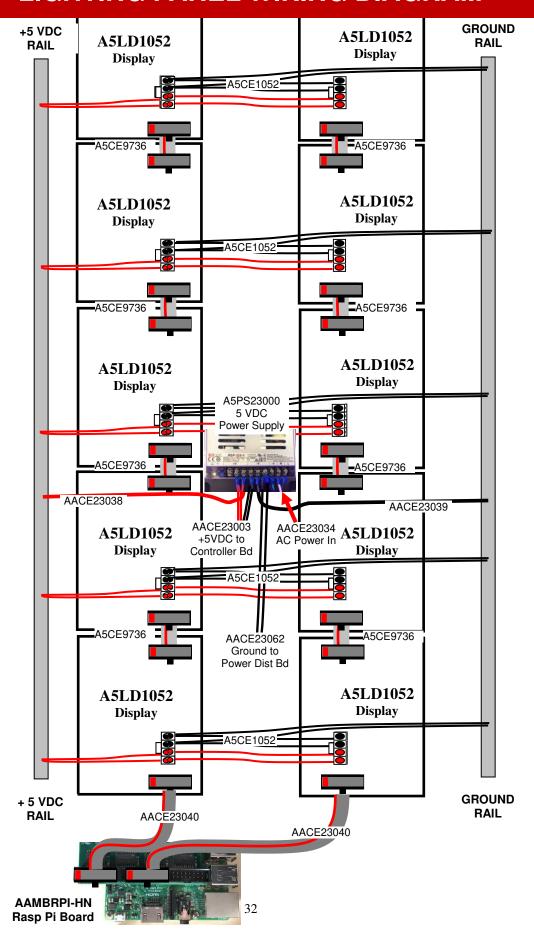
FRONT LIGHT WIRING DIAGRAM



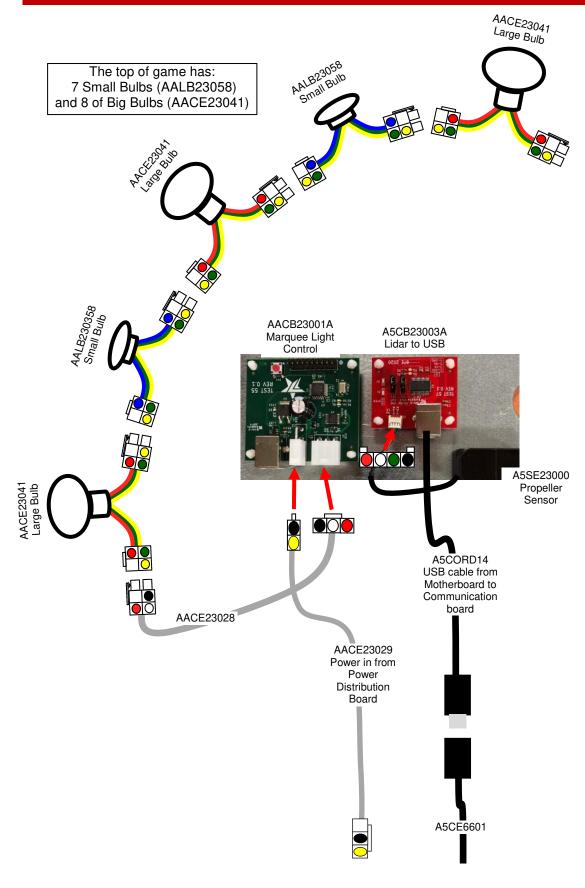
DISPLAY EDGE WIRING DIAGRAM



LIGHTING PANEL WIRING DIAGRAM

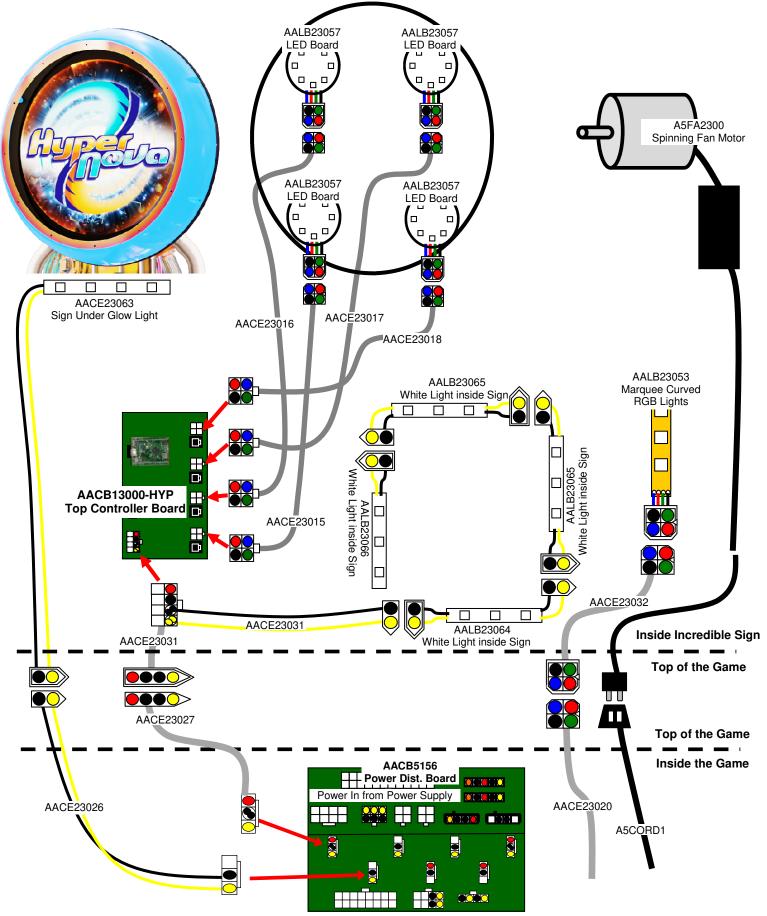


TOP OF GAME WIRING DIAGRAM



Red LED is Power. Yellow LED is ON when board is communicating to the motherboard via USB cable

OPTIONAL INCREDIBLE SIGN WIRING DIAGRAM



TROUBLESHOOTING 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.

	Troubleshootin	g Chart
Problem	Probable Cause	Remedy
No power to the game No lights on at all	Unplugged. Circuit breaker tripped. Line Filter Faulty. Power strip faulty. Front Rocker Switch OFF Faulty cable/power supply	Check wall outlet. Reset power strip breaker switch or building circuit breaker. Replace Line Filter (Part # A5FI9010) Swap positions, ensure rocker switch on power supply is ON, replace if needed A5OU5000 Ensure rocker switch in the front of game is ON Refer to wiring diagram. Check cables CE26024 & CB15001 board. Refer to Power Supply diagnostic section
AC Power to Power Strip is ok, but everything is off (Power Supply not ON)	Power supply unplugged. Rocker Switch. Power supply shutting down because of 12 V overload. Faulty power supply. Faulty Power Dist Board	Ensure unit is plugged into power strip. Make sure rocker switch on power supply is set ON. Refer to power supply diagnostics to isolate bad component. A bad solenoid or 12 volt short would cause this. Refer to Power Supply Diagnostic section. Replace Power Distribution Board (AACB5156)
Dollar Bill Acceptor not functioning Ensure Bill Acceptor is set to "Always Enable" Important: Only 12 Volt DBA is to be installed. Model # AE 2454 U5E Part # A5AC9101	Check for power to Bill Acceptor. Dirt or debris in acceptor slot. Pinched, broken, or disconnected wiring. Bill acceptor problem. Part # A5AC9101	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 NewGen Board. (CE23008) Repair or replace wiring harness. Check connector on I/O Aux Board Make sure wires are secure in connectors. Refer to troubleshooting section of dollar bill acceptor manual included with this game or the diagnostics label of the back of the unit.
Meters do not work Game meter will click at the start of the game. Ticket meter will click as tickets come out of game and notch is "seen" by dispenser.	Ensure correct number of tickets are being dispensed Disconnected, loose or broken wires. Faulty counter.	Check ticket values in menu. Refer to Tickets not dispensing troubleshooting section. Check connections to I/O board. Cables # CE23010 and AACO1020 Replace counter. AACO1020.

TROUBLESHOOTING GUIDE

Problem		Probable Caus	se		Remedy			
Game Lighting does not work.	contro	game lighting is olled by the "Main I" Part # AACB23000		Check power into Main Board from Power Distribution Board. CE23003.				
		USB Communication therboard.		Check USB communication from Main Board to Motherboard. A5CORD14.				
	Faulty	LED cable.		Refer to "Marquee Wiring Diagram" for wire paths, connections, and LED light cable part #'s.				
	Faulty	Main Board	Repla	.ce	Main Board. (AACB23000)			
		Check for I/O board U cable communication.	SB		efer to "I/O Aux Board Issue" diagnostic ection. CablesA5CE6601 & A5CORD13000			
If installing a card swip reader, refer to Card S System Installation page front of manual.	e Swipe	Ensure game makes s when coin switch is trig	ggered.	no w (A C	heck coin switches—both should be wired ormally open. If one switch is "closed" the other ill not work either. Check wiring to I/O Board. AACBL4A-DOORA, CE23011) heck 12 Volt power in from Power Dist Board.			
		Game set to large amo credits per game.	ount of	Check Game Setup Menu. Ensure Cr menu is set.				
No Sound	No Sound		enu.		Enter Menu and verify: Game Volume & Attract Volume are not zero			
Motherboard creates sound, Audio board amplifies it.	, ,	Disconnected, loose or broken wires.			Check connections and reseat audio cable from motherboard to Audio Amplifier board to speakers. Refer to "Speakers and Motherboard Communication Wiring Diagram" Cables # A5CE2300 from green socket on motherboard, A5CEAU010, connection to A5CORD38 in the lower section. Ensure 12 volts at CE23002, CE23012, & CE23001 from Power Distribution Board.			
		Faulty speaker.			Unplug audio jack cable (A5CE2300) from motherboard, plug into MP3 player and see if music is amplified and comes out of speaker. If Yes - then motherboard is faulty. If No - then Audio Amplifier Board (AACB9600A) or cable path is faulty. Replace speaker. AACE8811			
Menu Buttons do		connectors at the 2	Replace	Replace button if problem stays with button.(AAPB2700				
not work	I hutto		Check	Inspect crimp to ensure good connection. Check connections from menu buttons to I/O Aux board. Check continuity on wires. (AAPB2700, CE23010)				
	I/O A	Replace I/O Aux Board. (AACB9605-CBL)						

TROUBLESHOOTING GUIDE

Probler	n	F	Probable Cau	ıse		Remedy	
Tickets do not dispense			Opto Sensor on ticket dispenser dirty.		icket	Blow dust from sensor and clean with isopropyl alcohol.	
or Wrong amount	Tickets on monitor does not match tickets comir		Faulty ticket dispenser.		enser.	Replace with working dispenser to isolate the problem. (A5TD1)	
dispensed.		ets coming	Notch on tickets shallow.		cut too	Flip tickets and load upside-down to have large cut notch toward opto sensor.	
Check for the correct	out	f game.	Faulty cable. Disconnected, loose or broken wires.			Check connectors from ticket dispensers to I/O Aux Board. Check for continuity. Cables CE26011	
amount of tickets showing on			Enter Diagnostic menu and test Dispenser			There are many options that affect ticket payout	
Monitor			Check dipswitches on I/O Aux Board		es on I/O	using the dipswitches. Refer to Dip Switch Setting page.	
			Faulty I/O Aux	к Во	oard	Replace I/O Aux Board. AACB9605-CBL	
			Settings in Menu are incorrect.		are	Enter Menu and check certain areas: Preset Ticket Pattern & Mercy tickets.	
	monitor do		Propeller Sensor not working properly.			Refer to "Propeller Sensor not working properly" section.	
Low Tickets				ay	Load tickets into tray. Ensure tickets hold down micro switch wire.		
message on monitor Faulty cable. Disconnected, loose or broken wires.				Check connectors from low ticket switch to I/O Aux board. Check for continuity. (CE23056)			
Faulty low ticket switch.				Inspect switch and replace if needed. (AASW200)			
	Faulty I/O Aux Board				Check dipswitches on I/O Board, Replace I/O Aux Board if needed. AACB9605-CBL		
Propeller valu	06	The top se	sensor is dirty. Or		Open the side plexi and wipe off the top sensor.		
aic a bit oil taiget i		Top Senso calibration	nsor needs on.		Refer to "How to Fine Tune Propeller Calibration" section.		

TROUBLESHOOTING GUIDE

Probler	n	Probabl	e Cau	ise	Remedy		
I/O Aux Board Issue Game does not coin up, and has no other functions. Green Power LEDs		should be flashin		If it is off, then check 12 & 5 Volts DC coming into board on cable CE23004 &CE23005 from Power Distribution Board. If solid on, then it is not communicating with the motherboar Check A5CORD13000 & A5CE6601 USB cables.			
		Red and Yellow LED's should be flashing.		Check A5CORD130	ot communicating with the motherboard. 000 & A5CE6601 USB cables.		
	la de la	Faulty I/O Aux Board		Replace I/O Aux Board if needed. Part # AACB9605-CBL			
Board Issue	Lights around top of game)	If it is off, then check 12 & 5 Volts DC coming into board on cable CE23053 from Power Distribution Board. If solid on, then it is not communicating with the motherboard.			
Red and Yellow LEDs		Yellow LED is normally off, an only flashes wh communicating	en	Check A5CBL5900 & A5CE6601 USB cables. Watch while coining up and see if it flashes for a short time. Check A5CBL5900 & A5CE6601 USB cables.			
		Faulty Wheel B	oard	Replace Top Controller Board if needed. Part#AACB13000-HN			
			Check network cable from motherboard to hub to Rasp Pi Board				
Display not working		splay is on, but not nowing correctly.		Faulty or loose RAM on motherboard Large power connector unplugged on motherboard Small power connector unplugged on motherboard Faulty power supply - Refer to Power Supply			
			diagnostic section				
Power down,	Power down		Faulty Hub. Swap sockets on hub.				
wait 5			Check 5 VDC power into Rasp Pi board. CE23040				
minutes and power up			Check Micro SD card in Rasp Pi Board. Part # AASD0008A-HYP Faulty Rasp Pi Board. Replace if needed. Part # AAMBRPI-HYP				
again.	Display has nothing at all on power up.		No p		Ensure AC power into power supply. Check 5 VDC power out to the side rails.		
			Fault	y display module.	Replace display module (A5LD1052)		
	Clean sensor.		The sensor is in the top of the game.				
i i obciici i		,		Check connections from sensor to the motherboard. Refer to wiring diagram. (Cable # CE23057, A5CORD14, A5SE6601)			
working	Test Se	ensor.	Enter	Enter Diagnostic Menu to see if game recognizes sensor.			
properly	Check Communication Board			Two LED's on the Communication Board in the top of the game will flash rapidly when communicating with motherboard.			
	Faulty sensor.		Replace sensor if needed.				

TROUBLESHOOTING GUIDE

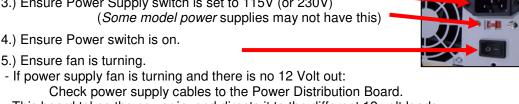
Problem	Probable C	Cause Remedy		
Pushing plunger does not spin wheel	Inspect assembly for physical obstruction Solenoid is not engaging.	The solenoid assembly should pivot as handle is pushed down. The wheel will only turn if the solenoid is engaged. Refer to "Pivot Assembly Exploded View" to identify worn parts to replace. Refer to "Solenoid does not activate"		
Solenoid does	Inspect assembly for physical obstruction Disconnected, loose or broken wires.	The solenoid assembly will only activate at game start, or in the test menu. Ensure assembly is loose and moves freely. Check connections from solenoid to Main Board. Refer to wiring diagram. (Cable #'s AASO23000 CE23039, & CE23041)		
not activate	Test solenoid.	Enter Diagnostic Menu and select "Dist Diag". The solenoid should now receive 12 Volts DC.		
Red and	Faulty solenoid.	Replace solenoid assembly if needed. AASO23000		
Yellow LEDs	Main Board communication: Green power LED should be flashing.	If it is off, then check 12 & 5 Volts DC coming into board on cable CE23003 from Power Distribution Board. If solid on, then it is not communicating with the motherboard. Check A5CORD14 USB cable. Swap cable with the light board.		
Green Power LED	Red and Yellow LED's should be flashing.	If they are off, it is not communicating with the motherboard. Check A5CORD14 USB cable.		
Solenoid is on all the time	Inspect assembly for physical obstruction	The solenoid assembly should only activate at game start, or in the test menu. Ensure assembly is loose and moves freely.		
	Check for 12 Volts DC on solenoid	If 12 Volts DC is always present, the Main Board AACB23000 is faulty and will need to be replaced.		
	cable CE26000	If no 12 Volts DC and solenoid is still engaged, the solenoid assembly AASO23000 is faulty and will need to be replaced.		
Game stuck on loading screen	This loading screen should appear at game power on. It will take about 30 seconds for the game to boot fully and launch into the attract mode sound. If it stays on this screen, there is no communication between the motherboard and Raspberry Pi board through the switch box.			
Y B P v	Check motherboard.	Ensure motherboard fan is turning. Ensure network cable is secure, and com lights are on.		
E R R S	Check Raspberry Pi	Check 5 Volts DC into Raspberry Pi is ok. Ensure network cable is secure.		
	Check Switch Box	Check power in cable to Switch box Ensure both network cables are secure, and com lights are on.		

POWER SUPPLY DIAGNOSTICS

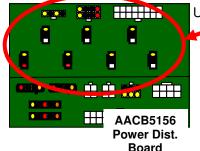
- 1.) Verify AC power to game. Check power strip in front door. The rocker switch should be illuminated.
- 2.) Check connection to power supply.
- 3.) Ensure Power Supply switch is set to 115V (or 230V)

- If power supply fan is turning and there is no 12 Volt out:

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







Unplug all power out connectors from the top 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 the 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.

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, then replace power supply (A5PS1013), or replace motherboard. (AAMB10E-SHD)

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 Only use 12 Volt DC Bill Acceptor

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

ERROR CODES

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







larness Enable

HOW TO UPDATE SOFTWARE

New Software Installation:

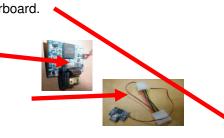
The hard drive contains all the information about the game: Credits per play, ticket pattern, etc. Be sure to check this information after finishing installing new software.

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.

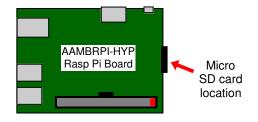


AAMB10E-SHD

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.

The software is programmed onto a SD Card

There is separate software for the game main board and the Marquee Sign main board.



To remove: Push gently into board and let it pop back out - remove from board.

To install: Push gently into board until it clicks.

SD Card part number is AASD0008A - please specify game name when ordering.

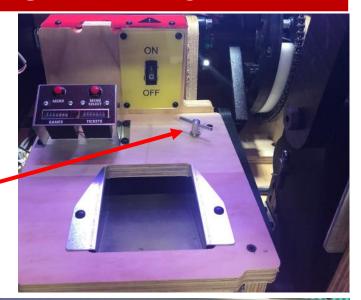
HOW TO INSTALL SAFETY BOLT

Important !!

There are many parts inside the front of the game that move when the handle is moved.

To prevent pinched fingers, we recommend using the safety bolt (Part # A5PI23000) any and all times that the front door is open.

This safety bolt is located inside a hole in the top of the coin box.



To lock out handle movement:

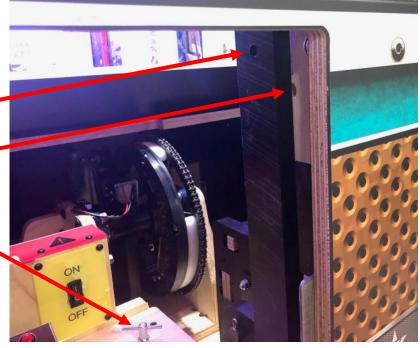
Locate the 2 holes that the safety pin will be installed into:

One hole is in the black plastic arm attached to the handle.

One hole is in the wood frame of door.

Remove the safety pin from its location on top of the coin box.

Lift the handle until the 2 holes line up and insert the safety pin.





HOW TO FINE TUNE PROPELLER CALIBRATION

The sensor that determines the position of the propeller is calibrated by our factory. However, if the motherboard or the sensor is replaced, it may be necessary to fine tune the sensor using the options in the menu. **Theory of Operation:** The "Win Location" is determined by a sensor mounted in the roof of the cabinet. Once the highest point of the spinning propeller is calibrated, the software will place a pointer on the display board. This pointer is 2 LED's thick. The placement on the display board will always be 2 LED's thick and never span a ticket value dividing line. The playfield is divided into 3 sections: **Factory Upper Section** Calibration Target Dividing line between upper section and middle section. • BΠ 15 Factory 150 Middle Section Calibration **Target** 6 BΠ Dividing line between middle section and lower section. **Factory**

Lower Section

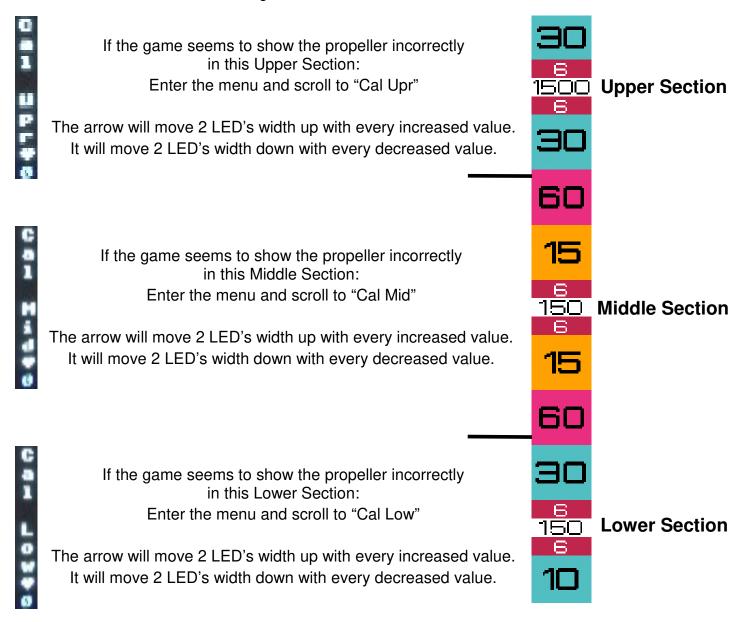
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Calibration Target

HOW TO FINE TUNE PROPELLER CALIBRATION

Be aware that players observation of the height reached by the propeller can vary greatly depending on the height of the observer.

Do not make changes to the calibration on the advise of customers.



Note: The adjusting on this page is only a quick estimate of propeller height.

To scientifically calibrate the propeller height, Refer to the next section "Propeller/Sensor Calibration"

PROPELLER/SENSOR CALIBRATION

To scientifically calibrate the propeller height, you must open the side plexi and place a physical stop on the shaft.

Then as you play the game, the propeller will spin up to that stop and you can adjust the placement of the win arrow in the game menu.

Tools needed:

5/32" Allen wrench Blue or Green non-stick Painters Tape

Instructions:

Open one of the plexi side panels by removing the 5 bolts using a 5/32" Allen wrench.

Important: Only reach into the propeller area before or after hours to ensure a guest does not coin up the game and try to play. Be very aware that the propeller spins very fast and may cause injury if misused.

Raise the propeller up by hand and position in the middle of one of the large ticket bonus locations.

Wrap the non-stick painters tape around the shaft directly above the propeller assembly.

This will stop the propeller in the exact middle of the ticket area when the game is played.

Coin the game up and push the handle hard and the propeller will stop at the painters tape.

The game will then place a red arrow on the display.

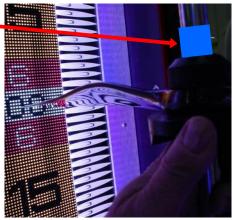
If the arrow is not placed in the correct position, enter the menu and go to the calibration mode for that section. (Either lower, middle or upper)

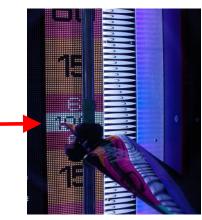
If arrow is too high, reduce the value in the menu.

If the arrow is too low, increase the value in the menu.

Do this same process for all 3 of the large ticket bonus locations.







DECAL DIAGRAM



A5DE24001 Marquee Ring

A5DE23003 Front Window

A5DE23002 Side Window Right

(2)A5DE23007 LED Side Acrylic

Not Pictured:

A5DE23004 Side Window Left

A5DE23012 Lower Cabinet Left

A5DE23016 Right Guard Inside

A5DE23017 on/Off Switch

A5DE23018 Danger Cover

A5DE23019 Ceiling Star

A5DE23005 Outside Guard

A5DE23006 Control Panel

A5DE23015 Left Guard Inside

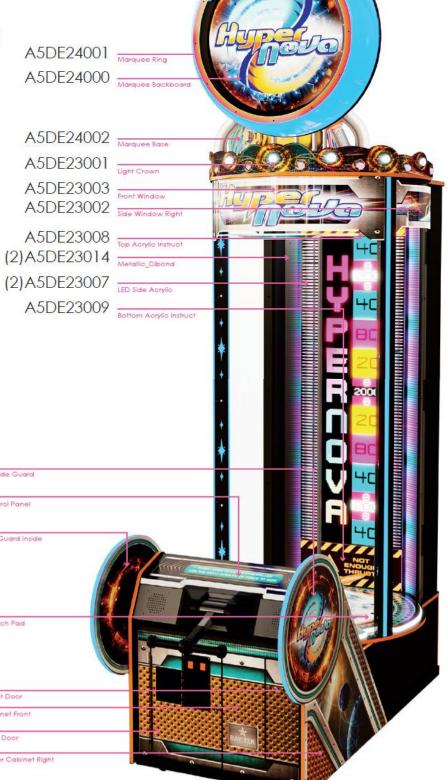
A5DE23000 Launch Pad

A5DE23020 Ticket Door A5DE23010 Cabinet Front

A5DE23011 Coin Door

A5DE23013 Lower Cabinet Right

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PARTS LIST PART # **DESCRIPTION** PART # **DESCRIPTION** A5BR1001 Bearing, UCF-205-16 Decal. Front Door A5DE23011 A5DE23012 Decal, Left Lower Cabinet A5BURU040 Bumper,1-1/2" Dia X 3/4"H A5BURU050 Bumper, 1 1/16 X 1 1/16 Decal, Right Lower Cabinet A5DE23013 Dibond, Playfield Back A5CA1005 Caster.250# Load. Swivel/Lock A5DE23014 A5CB2020 Cash Box A5DE23015 Decal, Left Inside Side Guard A5DE23016 A5CH1007 Chain.#35.148 Links Riveted Endless Decal, Right Inside Side Guard Decal, On Off A5FA2300 Fan. Holo 3d.65cm Ultra Definition A5DE23017 A5FI9010 Filter, Inline A5DE23018 Decal, High Voltage AAGRBX23000 Gearbox, 1:1 Right Angle A5DE23019 Decal, Ceiling Star A5GU9040 Guard, Fan A5DE23020 Decal, Ticket Door Decal, Marquee Backboard A5LD1052 LED Display Module A5DE24000 Decal, Marquee POV Display Ring A5LK2001 Lock, Cash Box, A05/E00 Key Code A5DE24001 Decal, Marquee Clouds A5LK5002 Lock, 7/8", H95 Key Code A5DE24002 Bracket, Power Supply Mounting A5BK9999 A5LU23000 Lubricant,80w-90 Gear Oil Metal, Playfield Led Light Mount 68" A5MUNY010 3/4" X 3/4" Sticky Tabs A5ME23000 A5PROP23000 Propeller A5ME23001 Metal, Playfield Bus Bar Rivet, Nylon, .148" Hole Dia A5ME23002 Metal, Playfield Acrylic Lgt Support 63" A5RVNY010 A5SE23000 Lidar Sensor A5ME23003 Metal, Upper-Lower Light Mount 21 1/2" A5SF0010 Stand Off. Non Lock A5ME23004 Metal, Travel Rod #8 X 5/16" Od X 1/4" H A5ME23005 Metal, Window Rail Assembly A5SFNY040 Metal, Front Window Rail Assembly A5SP1011 Sprocket,#35 X 15t X 1.000 Shaft A5ME23006 A5SP1012 Sprocket,#35 X 15t X .500 Shaft Idler Metal. Anchor Bracket A5ME23007 Lidar PCB Mount Plate A5SP1013 Sprocket,#35x20tx0.5 Shaft Bb Idler A5ME23008 Metal, Drive Wheel Axle A5SP5021 Spring, Compression A5ME23009 A5SW18000 Switch, Rocker 20a 250v A5ME23011 Metal, Drive Assembly 4" Black Wire Ties A5ME23012 Metal, Drive Hub Shaft A5TWNY010 A5VF23000 Grand Marquee Front Vac Form A5ME23013 Metal, Sprocket Weldment A5VF23001 Grand Marquee Rear Vac Form A5ME23014 Metal, Wheel Shaft Bracket Vacuum Form, Handle Cover A5VF4153 A5ME23015 Metal, Control Panel Assembly AASW200 Low Ticket Switch Gearbox Mount Weldment A5ME23016 A5DE0042 Decal. Menu/Volume Decal A5ME23017 Metal, Chain Tensioner Brkt A5DE23000 Decal, Launch Pad Chain Tensioner Arm A5ME23018 A5DE23001 Decal, Light Strip A5ME23019 Horizontal Chain Tensioner Arm A5DE23002 Decal. Side Windows A5ME4161 Metal, Handle Pivot Assembly Decal. Front Window A5DE23003 A5ME4167 Metal, Solenoid Link A5DE23004 Decal. Left Side Guard Metal, T-Handle Assy A5ME4171 A5DE23005 Decal, Right Side Guard A5ME4172 Metal, Handle Bracket A5DE23006 Decal. Control Panel A5ME4180 Metal, Right Tkt Tray Bracket Decal, Side Acrylic A5ME4182 A5DE23007 Metal, Cashbox Guide A5DE23008 Decal, Top Acrylic A5PL4200 Upstacker Bill Acceptor Plate Decal, Bottom Acrylic A5DE23009 A5PL8900 Plate, Bill Validator Blanking Plate A5DE23010 Decal, Lower Cabinet Front A5PL9995 Ticket Dispenser Blanking Plate

PARTS LIST

PART #	DESCRIPTION	PART #	DESCRIPTION
A5PL9998	Coin Mech Blanking Plate	AACE23015	#1 Marquee RGB Light Board Power
A5TT4101	Ticket Tray AACE23016 #2 Marquee RGB Light Board Power		#2 Marquee RGB Light Board Power
W5HG1015	Hinge,5",Double Bend AACE23017 #3 Marquee RG		#3 Marquee RGB Light Board Power
W5HG1025	Hinge,16",Double Bend	AACE23018	#4 Marquee RGB Light Board Jumper
W5HG1050	Hinge,8",Double Bend	AACE23019	Right Side RGB Lights Power
W5HG1065	Hinge, 5-75, Single Bend	AACE23020	Left Side Window Rail Split Jumper
W5KE5000	Keeper, Lock	AACE23021	Handle Ground
W5TM2300	T-Molding, 7/8", Orange, 978" per game	AACE23022	Front Door Hinge To Ground Stud
AABK1013	Bracket, Pushbutton/Counters	AACE23023	Solenoid To Split Wire
AAME23010	Metal, #35 X 96T Sprocket	AACE23024	Board To Solenoid Split Wire
A5OU5000	Outlet Strip	AACE23025	Solenoid Power From Board
A5CE1052	Display 5 Volt Power Jumper	AACE23026	Marquee Acrylic White Light Power
A5CE2300	Cable, Audio Isolator	AACE23027	Marquee Power
A5CE6601	Cable,USB,6',Extension	AACE23028	Addressable Board To Crown Lights
A5CE9736	Ribbon Cable Jumper	AACE23029	Power To Crown Board
A5CEAU010	Cable, Audio Stereo,3.5mm , M-M 2ft	AACE23030	Top Stick Light Power
A5CORD1	Cord,Power,10'	AACE23031	Top Stick Light And Light Board Power
A5CORD13000	Cord, USB-A To Micro B 2.0 Cable, 6.0ft	AACE23032	RGB Marquee Light Power
A5CORD14	Cord,3' USB R Angle, Bto A Male	AACE23033	Power To Raspberry Pi Board
A5CORD38	Cord,3.5mm Male to Female 6'	AACE23034	Power To 5 Volt Power Supply
A5CORD39	Cable,Cat6 Ethernet 550mhz,24AWG,1'		
A5CORD5	Cord, AC Computer Cord, 6.5'	AACE23036	Power Switch To Power Strip
A5CORD5000	Cord, Power Adapter, 1ft.	AACE23037	Line Filter To Power Switch
A5CORD5001	Cord, Extension, 2ft.	AACE23038	5 Volt Power Supply To Display Bar
AAPB2700	Push Button Assembly	AACE23039	5 Volt Power Supply Ground To Display
AACBL4A-DOORA	Door Cable With Bulbs	AACE23040	Display Ribbon
AACE1710	Cable, 4" Door Ground Cable	AACE23041	Marquee Addressable Bulb Lights
AACE1715	Cable, Door Ground Cable	AACE23043	Side Rail Light
AACE23000	Speaker Power From Audio Board	AACE23044	Side Display RGB Light
AACE23001	Power Distribution To Audio Board Split	AACE23045	Top And Bottom Display RGB Lights
AACE23002	Audio Board To Power Distribution Split	AACE23046	Front Guard Light
AACE23003	Power Distribution To CB23000	AACE23047	Outer Propeller Base RGB Light
AACE23004	Power Distribution To Door Board Split	AACE23048	Front Panel Light
AACE23005	Door Board To Power Distribution Split	AACE23049	Middle Propeller RGB Light
AACE23006	5volt Power To Inside Propeller Led	AACE23050	Side Display Addressable Lights
AACE23007	Power To Inside Propeller Led	AACE23051	Inside Propeller Addressable Light
AACE23008	DBA Wires From Door Board	AACE23059	Propeller Metal Bracket Ground
AACE23009	Main Board To Side Display Addressable	AACE23060	Top Sensor Bracket Ground
AACE23010	Menu/Counters Button	AACE23061	Ground Stud To Top Sensor Ground
AACE23011	Coin Door Wires	AACE23062	Power Distribution To Power Box Grnd
AACE23012	Power Distribution To Audio Board Split	AACE23063	Marquee Art Underglow Light
AACE23013	Propeller Base, Guardrail Light Power	AACE3219	Cable, Tkt Disp/Low Tkt
AACE23014	Underglow/Guardrails/Panel RGB Pwr	AACE8811A	Cable Assy, Speaker

PARTS LIST				
PART#	DESCRIPTION	PART #	DESCRIPTION	
AACO1020	Counter Assy, No Feet	A5SW2300	Switch,5 Port 10/100 Mbps Ethernet	
AALB23053	Marquee Curved RGB Light	A5TD1	Ticket Dispenser, Entropy	
AALB23054	Underglow Stick Light	AACB23000A	Controller Board	
AALB23055	Underglow Stick Light	A5CB23001A	Marquee Light Control	
AALB23056	Playfield White Stick Light	A5CB23003A	Lidar To USB Board	
AALB23057	RGB Marquee Back Lights	AACB9600A	Audio Amplifier Board	
AALB23058	Addressable Marquee Egg Lights	AAMB12-HD	Motherboard, MB 12 With Hard Drive	
AALB23064	Marquee Inside Channel White Light	AAHD1900-HYP	SATA Hard Drive Software	
AALB23065	Marquee Inside Channel White Light	AAMBRPI-HN	Raspberry Pie Complete W/Software	
AALB23066	Marquee Inside Channel White Light	AACB13000- HYP	Marquee Back Lights Control	
AASO23000	Solenoid For Handle	AACB15001	Bleed Resistor Board	
A5PS1013	Power Supply, Evga 500	AACB5156	Power Dist. Board	
A5PS23000	Power Supply, 5v Ac/Dc Converter, 300w	AACB9605-CBL	Door Interface Board	
A5PI23000	Safety Pin for Handle Lockout			

















A5CB23001A

A5CB23003A

A5FA2300

A5LD1052

A5PS1013

A5PS23000

A5SE23000 A5SW2300















A5FI9010

A5TD1

AACB13000-HYP AACB15001 AACB23000A AACB5156

AACB9600A





AACB9605-CBL AAHD1900-HYP



AAMB12-HD



AAMBRPI-HN



AASO23000







A5CA1005



A5CB2020



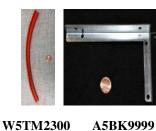
A5GU9040



A5LK2001













A5ME23009 A5ME23012







A5ME23014



A5ME23015









A5ME23013







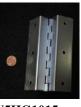








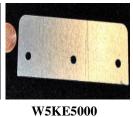












AABK1013

AAME23010 W5HG1015









A5DE1052

A5CE2300

A5CE6601 A5CE9736 A5CEAU010 A5CORD1

A5CORD13000

A5CORD14





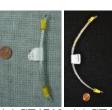










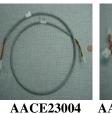


























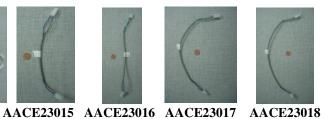














































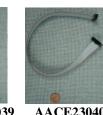






























AACE23044

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AACO1020



















AALB23053 AALB23054 AALB23055 AALB23056 AALB23057 AALB23058 AALB23064 AALB23065 AALB23066











AAPB2700A

A5DE0042

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A5DE23001 A5DE23002

A5DE23003













AADE23004

A5DE23005 A5DE23006 A5DE23007

A5DE23008



















AADE23010

A5DE23011 A5DE23012 A5DE23013 A5DE23014 A5DE23015 A5DE23016

A5DE23017 A5DE23018

















AADE23019 A5DE23020

A5DE24000

A5DE24001

A5DE24002

A5VF23000 A5VF23001

A5VF4153

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>Repair & Return</u> – If you have Circuit Board issues with your Bay Tek product 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 product, 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.

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:

Sometimes the issue isn't what it seemed to be. If you chose the Advance
Replacement option and now need to return that 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. If you choose the Repair and Return option, we'll test your board before we begin. If no problems are found, you will only be charged the bench fee.

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 6 months from the date of installation.

Register your new game for an extra 3 months on your warranty.

Log on to: http://www.baytekent.com Then click on the Register tab.

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.

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

REPAIR OF NON-WARRANTY PARTS

Should your game need servicing, determine the serial number from the decal on the back of the game cabinet, inside front door, or the cover of this manual and call 920.822.3951 Ext. 1102

or e-mail to: service@baytekent.com

An estimate of the repair charges will be quoted to you for approval.

You may now proceed in one of two ways.

Option 1:

Request immediate shipment of advance replacement part(s).

You will receive the part(s) with

an **RMA** for the return of the faulty part(s).

You must return the faulty part(s) in 14 days to avoid additional charges.

Option 2:

Call the Service Dept at (920) 822-3951 Ext. 1102 to receive a RMA to send the faulty part(s) in for repair

Please include the following information

NAME ADDRESS

PHONE #

SERIAL#

PURCHASE ORDER NUMBER or **AUTHORIZATION** to perform service.

Repaired part(s) will be shipped back using the same method in which they were received.

Repairs are warranted for 30 days from the date of installation.