

FACTORY CONTACT INFORMATION



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WELCOME TO TUNDRA TOSS

Congratulations on your purchase!

Please take a moment to read through this manual and be sure to contact us if you have any questions, or would like 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!

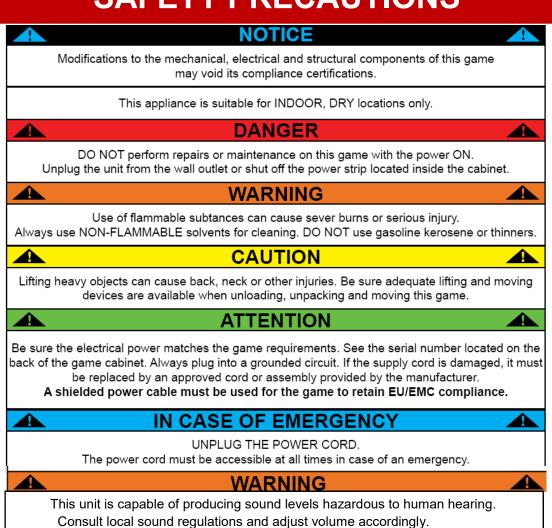
Your Friends at Bay Tek Entertainment

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.

SAFETY PRECAUTIONS



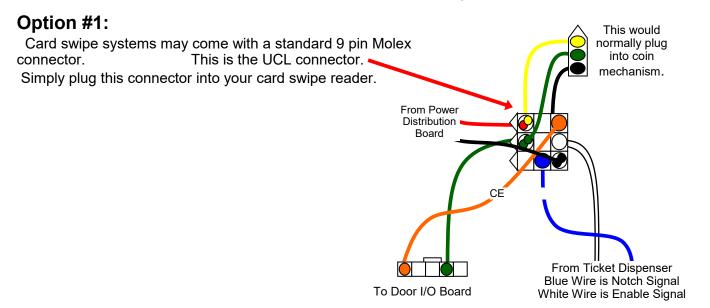
GAME SPECIFICATIONS

	GAIV	IE SPECIF	ICATIONS	
	WEIGHT		POWER REQUIRE	EMENTS
NET WEIGHT	1350 lbs.	612 kg	INPUT VOLTAGE RANGE	100 to 240 VAC
SHIP WEIGHT	1461 lbs.	663 kg	INPUT FREQUENCY RANGE	50/60 Hz
G <i>A</i>	ME DIMENS	IONS	MAX OPERATING (CURRENT
WIDTH	47 inches	119 cm	4.3 Amps @ 115 VAC / 2.15	
DEPTH	135 inches	343 cm		
HEIGHT	124.5 inches	316 cm		
OPERA	TING TEMPI	ERATURE		
FAHRENHEIT	4	5 - 80 F		
CELSIUS	7.2	2 - 26.7 C	4111	<u> </u>
SHIF	PING DIMEN	ISIONS	TOSS	
2 PALLETS	72"L x 48"W x 8	2"H, 626 lbs. class 250	OUICK FIRE	
	90 L X 40 W X 0	0"H, 835 lbs. class 250		
		47 119		124.5" 316 cm

CARD SWIPE SYSTEM INSTALLATION

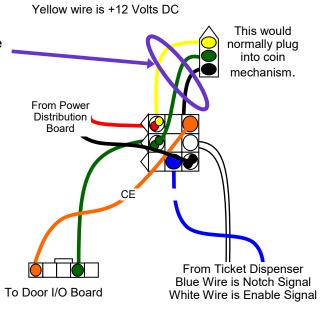
The Tundra Toss game is pre-wired with a UCL (Universal Card Link) connector to accept Card Swipe systems from many different manufactures.

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 harness.



Black wire is ground. (common) Green wire is coin signal.

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.

Menu Changes

Enter menu, Go to "Payout" Menu Change "Credits" to Swipe or Tap Change "Redemption Type" to Tickets, Points, or Coupons

Welcome to the game set up instructions for the Tundra Toss Quick Fire

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

Tools Needed:

1 ladder (8 foot) 5/32" Hex Bit Torx T-30 bit Phillips screwdriver 2 people # 2 Square head screwdriver bit 7/16" Wrench

Important:

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

Instructions:

Starting with the small pallet, remove the cardboard and shrink wrap surrounding the front console, side nets, and large cardboard box.

Remove the bag of 4 balls - these are extra balls - not needed for game play. Store these in the bottom of the game, or in the back room.



Remove the side nets from the pallet by removing the 4 packing screws using a #2 square bit.

This hardware is not needed in the assembly of the game.

Repeat the process for the other side net.

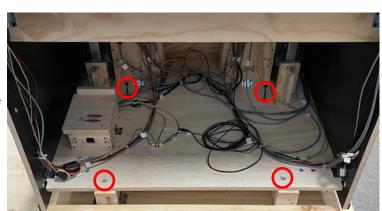
Set both side nets aside for later installation.

Remove the large cardboard box from the pallet and set aside for later installation.

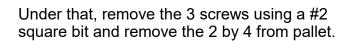


From the back of front console, remove the 4 of Torx T-30 screws holding it to the pallet using a Torx T-30 bit.

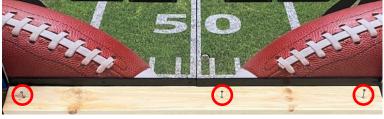
Important! The front console must be removed from the front of the pallet or damage may occur!



From the front side, remove the 2 screws using a #2 square bit and remove the wood piece.







The front console can now be removed from the pallet by pushing it off the front of the pallet using 2 people.

Push at the back of the cabinet so that the front doors come off the pallet first.

Remove bag of keys taped to front console and open the front doors.

Open the coin box and remove the hardware kit.

This hardware kit contains all of the bolts and screws for assembly of the game.



Rear Cabinet:

Working on the large pallet, remove the cardboard and shrink wrap surrounding the rear cabinet.

From the front of the rear cabinet, remove the 2 of Torx T-30 screws holding it to the pallet using a Torx T-30 bit.



From the back of the rear cabinet, remove the 4 screws from back door using a #2 square bit and remove the back door. Set aside for later installation.



Inside the back door, remove the 2 of Torx T-30 screws holding it to the pallet using a Torx T-30 bit.



Important! The rear cabinet must be removed from the rear of the pallet or damage may occur!

The rear cabinet can now be removed from the pallet by pushing it off the rear of the pallet using 2 people.

Push at the front of the cabinet so that the back door comes off the pallet first.

Place the rear cabinet in the game room in it's final position.

Rotate playfield up into position:

Remove the 2 black plastic shipping pieces by removing the 2 bolts on each side of the cabinet.

These pieces are not needed in the game assembly.

Once both shipping pieces are removed, the playfield can be rotated up into position.



Caution! Use a ladder to carefully climb onto conveyor belt. Be aware of your footing as you lift.

Lift the playfield up and it will rotate smoothly into the upright position.

Inspect the rear of cabinet to ensure cables and rear tarp are not pinched or stretched.

Locate 4 bolts from the hardware kit.



A5SCHH007

The best process is to hand thread the bolts into the empty locations on the side bracket.

Once both bolts are started, tighten all using a 5/32 hex bit.

Repeat the process for the other side bracket.





Install Rear Tarp.

From back of cabinet, route the phone cables on both sides down neatly and into the bottom of the cabinet.

The rear tarp must slide down the inside of the cabinet and come back out the bottom.

Start with one corner, and push it down into the slot.

Work along the length of the tarp.

Once you get one corner back out of the slot, the rest of the tarp can be pulled down and out.







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Clip the 5 carabiners into the tarp as shown.



Attach Front Console:

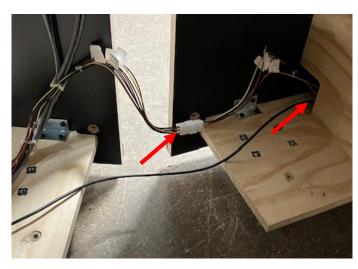
Push the front console close to the rear cabinet.

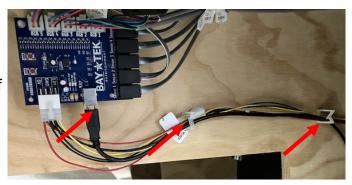
On the left side, plug the CE32035 cable to the CE32039 cable.

Uncoil the USB cable and route through the 4 wood cutouts to the rear controller board.

Hint: A small person could crawl under the cabinet, routing the cable through the wood cutouts along the way!

Clip into the wire saddles and plug into the bottom of the rear controller board.





On the right side, plug the AC power cord into the line filter.



Plug the CE32000 cable to the CE32001 cable.

Push the front console tight to the rear cabinet, being careful not to pinch any wires.

Route the loose wires up on the shelves.

Locate 2 of the blue metal connector plates from the large cardboard box.

Locate 4 bolts from the hardware kit.



A5SCHH007

Place the blue metal connector plate on the cabinet.



The best process is to hand thread all of the bolts into the connector plate. The cabinet may have to be lifted to align all of the holes.

Once both bolts are started, tighten all using a 5/32 hex bit.

Repeat the process for the other side bracket.

Remove the 8 balls from the plastic bag. These are to be left in the game to be used.

The other bag of 4 are spares.

Use 8 balls in each game.



Install Side Cages:

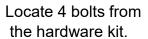
Important: There is a difference between the 2 side cages.

The left side cage has a cable attached.

The right side does not.

Locate the left side cage and place on the left side of the cabinet.

Cable is toward the front of the cabinet.





A5SCHH007

Using 2 people, lift the left side cage up on the cabinet and secure using 2 bolts.

One on top left, one on the bottom right.

Once both bolts are started, tighten all using a 5/32 hex bit.

Repeat the process for the other right side cage.

Locate 6 of black 10's (A5SCPH152) from the hardware kit.



A5SCPF

Install the 6 black 10's using a # 2 square bit into the L brackets.

Repeat the process for the other side cage.





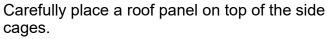
Install Roof Panels:

Locate the 3 roof panels from the card board box.

Locate 12 bolts from the hardware kit.



A5SCHH007



Ensure T-Nuts are on top of board.

(It's best to keep the T Molding splice toward the back of the game)

Hand thread 4 bolts into each side of the roof panel.

Tighten all using a 5/32 hex bit.





Build Marquee:

Locate the marquee roof panel and football plexi from the card board box.

Locate 6 of bolts from hardware kit.



Locate 6 of spacers from hardware kit.



Locate 6 of washers from hardware kit.



Locate 6 of lock washers from hardware kit.





Install the hardware onto the football plexi marquee as shown: Lock washer on bolt, then washer, then plexi, then spacer.



Install the football plexi marquee onto marquee base and tighten using a Philips screwdriver.



Locate 12 bolts from the hardware kit.



A5SCHH007

Carefully bring the assembled football marquee up to top of the game on top of the side cages.

Hand thread 4 bolts into each side of the roof panel.

Tighten all using a 5/32 hex bit.

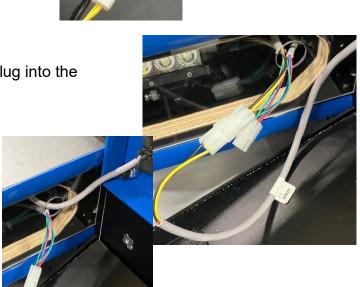
From underneath the marquee, route the CE32037 cable up through the hole in the wood and plug into the marquees' CE32044 cable.

Pull the slack cable upwards and leave the extra cable length on top of the game.

On the bottom end of this CE32037 cable, plug into the CE32036 connector.

Push the slack cable down into the front console.

The other cable will be plugged into the side lights later.



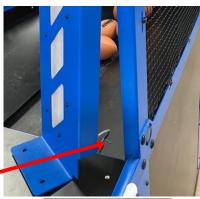


Install Front Uprights:

Locate the right front upright the front console.



Position the right front upright near the right side cage and plug in the CE32041 cable into the CE32024 connector from the front console.



Push the slack cable down into the front console.

Locate 1 bolt and 1 nut from the hardware kit.





Install the bolt and nut in the top of right side upright.

Tighten using a 5/32 hex bit and 7/16" wrench.

Locate 2 bolts from the hardware kit.



A5SCHH007

Install the 2 bolts in the bottom of the right side upright.

Tighten both bolts using a 5/32 hex bit.

Repeat this process for the left side front upright.



Install Conveyor Guard:

Locate 2 of A5SCPH085 bolts from the hardware kit.



Locate the Conveyor Guard from the front console.



Carefully climb inside cabinet and install the guard so that there is a small gap between the guard and the conveyor belt.

Make sure it is not touching the belt!

Tighten both bolts using a #2 square bit.



Close back Door.

Locate the power cord inside the rear of the cabinet and pull out the back of the game.

Reinstall the back door by installing the 4 screws back into the back door using a #2 square bit.



The game build is now complete!

The power cord can now be plugged into a wall socket.

Open the front door of the game and flip the rocker switch on the power strip to power on the game.

The game is now set up and ready to play!
Enter the menu to adjust settings to your specific location.
Price per play / Ticket Payout / etc..



HOW TO PLAY

Score points by throwing leather footballs through target holes, breaking the sensor beam between the emitter and detector boards inside each hole.

Throw through the LED lit up holes to score more points!

A conveyor belt will return the footballs to the players during game play.

2 players can play, alternating turns on the same machine! Green Player vs Blue Player with

lights and audio to indicate the players amount of time.

Players switch every 20 seconds, with each player earning their own bonus

time!



MAIN MENU SETTINGS

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

Hold the MENU button down for 3 seconds 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.



	Credits Needed							
Card Swipe	Tap Card	Free Play	1	2	3		19	20

Sets the amount of credit pulses needed to start a game. "Card Swipe" will display "Swipe Card" on the display screen. "Tap Card" will display "Tap Card" on the display screen.

Redemption Type

Tickets	Points	Coupons	Entertainment Only
Tickets	Points	Coupons	Entertainment Only

Sets the wording on the screen used to describe any tickets won. "Entertainment Only" will not give tickets for games.

Game Volume

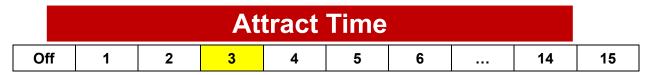
Off Low Medium High Highest	Off	Low	Medium	High	Highest
-----------------------------	-----	-----	--------	------	---------

Adjusts the sound level during game play.

Attract Volume

Off	Low	Medium	High	Highest
			_	_

Adjusts the sound level of the music during non-play periods.



Sets the amount of time (in minutes) between attract sound cycles during non-play periods. "Off" means that there will be no music played during non-play periods.



Sets the length (in seconds) of each game.

MAIN MENU SETTINGS

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

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

Bonus Time Mode

Disabled Allow Once Allow Twice Allow 4 Allow 8 Infir	Disabled All
---	--------------

Allows extra time to be added to the length of the game after scoring a certain amount of points.

Points for Bonus Time

100 150 200 250 300

How many points the player must score to activate "Bonus Time Mode"

Bonus Time Awarded

5	6	7	8	9	10	11	12	13	14	15
---	---	---	---	---	----	----	----	----	----	----

Sets the amount of time (in Seconds) that will be added to game length when scoring the "Points for Bonus time"

Lobby Join Time

Lobby Disabled	4	5	6	7	8	9

Sets the amount of time (in seconds) during the player can coin up and join for head to head play.

Payout Setting Recommendations

	\$0.50	\$1.00	\$1.50	\$2.00	\$2.50	\$3.00	\$5.00
Ticket Values	2	5	10	15	20	30	40
Point Values	90	90	90	90	90	90	90
Max Tickets	30	30	50	50	50	75	90
Game Time	30s	45s	45s	45s	45s	45s	45s
Bonus Time Mode	Allow Twice	Allow Twice	Allow Twice	Allow Twice	Allow Twice	Allow Twice	Allow Three
Points for Bonus Time	100	100	100	100	100	100	100
Bonus Time Awarded	5s						
Mercy Tickets	5	5	5	5	5	5	5

Yellow column is the recommended settings for a game cost of \$1.50 per play.

With a \$0.01 ticket value.

These vales are recommendations, your results may vary depending on player skill level.

MAIN MENU SETTINGS

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

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

Ticket Setting									
10	20	30	40	50	60		180	190	200

Sets the number of tickets awarded for the set amount of points scored in "Points Settings" below.

Points Setting									
50	60	70	80	90	100	110		390	400

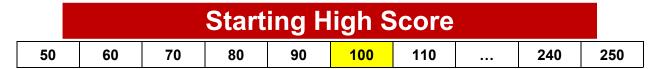
Sets the number of points needed to be awarded the number of tickets in "Ticket Settings" above.

Max Tickets											
Off	5	10	15		45	50	55		90	95	100

Sets the maximum amount of tickets that can be awarded for each game. "Off" means that a player can win as many tickets as set in the settings.

		Mercy Tickets								
Disabled	1	2	3	4	5	6	7	8	9	10

Sets the amount of tickets that will be awarded for a game if the number of tickets won is zero. "Disabled" means that a player will not receive tickets if a target is not scored.



Sets the initial "High Score", This resets every power cycle.

Add Cheat Credits

Press the Menu Select button 3 times to add a credit to the game after the menu is exited.

Clear Tix and Credits

Press the Menu Select button 3 times to clear the tickets owed and credits on the game.

Reset Defaults

Press the Menu Select button 3 times to reset the Menu Settings to factory defaults.

Diagnostics Menu

Scroll through the options by pressing the "Menu Select" button.

Exit the menu by pressing the "Menu" button.

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

Software Version 1.7
Display Driver Version 0.1
Door Board 1 Version 0.1
Door Board 2 Version 0.1

If it shows **Missing** , then the circuit board is not communicating to motherboard.

Target Sensor Errors - A target will blink red and green if it is dirty or blocked as soon as you enter the menu. This will continue until you cycle through the RGB colors, then the blinking will stop. You will have to go into the menu again to have a faulty sensor blink.

Single Games

Displays the number of 1 player games played.

Double Games

Displays the number of Head to Head games played.

RGB Color

Press the "Menu Select" button to cycle from all Red LED's to all Green LED's to all Blue LED's

Test Ticket Dispenser

Press the "Menu Select" button to dispense 1 ticket.

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.

Troubleshooting Chart							
Problem	Probable Cause	Remedy					
No power to the game No lights on at all. The power switch is the rocker switch on the power strip located in the front of the cabinet.	Unplugged. Circuit breaker tripped. Line Filter Faulty. Power strip faulty. Disconnected, loose or broken wires.	Check wall outlet. Reset power strip breaker switch or building circuit breaker. Replace Line Filter (Part # A5FI9012) Change plug position, replace power strip if a section does not work. Part # A5OU5000 Check rocker switch on power strip. Refer to wiring diagram. Check connections and reseat cables from line filter to outlet strip. Cables # CE31006 and A5CORD49 If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.					
Monitor is on But everything else 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	Insure power supply is plugged into power strip Make sure rocker switch is set ON. Refer to Power Supply Diagnostics to isolate bad component. A bad motor or 12 volt short would cause this. Refer to Power Supply Diagnostic section. Replace Power Distribution Bd. (A5CB5156B)					
Dollar Bill Acceptor not functioning Ensure Bill Acceptor is set to "Always Enable" Important: Only 12 Volt DC 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 I/O Aux Board. (A5CE 31039) Repair or replace wiring harness. 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 does not work Game meter will click at the end of the game. Ticket meter will click as tickets are being dispensed.	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. Refer to wiring diagram. Check connections and reseat cables from meters to I/O Aux Board Cables # AACO1000 and CE32032 Replace counter. AACO1000.					

Problem		Probable (Cause	Remedy			
Game not coining up		Look for commur power on the I/O for that player.		Refer to "I/O Aux Board Issue" diagnostic section.			
		Ensure game makes sound when coin switch is triggered.		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, CE31023)			
		Game set to large credits per game		Check Game Setup Menu. Ensure Credits is set to proper value.			
		Coin Input stuck ON		Ensure only 5 volts on coin switch green and black wires. Replace I/O Aux board if needed. Part # AACB9605A-TT			
	men	me set to mute in u or game ne/attract volume		Menu and verify: ne & Attract Volume is not zero. o OFF			
No Sound Motherboard creates	Disc	o zero. onnected, loose oken wires.	Refer to wiring diagram. Check connections and reseat at cable from control board to speakers. Cables # A5CE232 A5CEAU010, CE32007, AACE8811A-P				
sound, the Audio Amplifier boards amplifies it.	Audi	y 12 Volts DC to o Amplifier ds on CE32029	MP3 player of out of speake				
				en control board is faulty. n cable or amplifier board is faulty			
	Fault	ty speaker.	Replace spe	aker. AACE8811A-P			
I/O Aux Board Issue Game does not coin u and has no other	fl	Green power LED sashing.	should be	If it is off, then check 12 & 5 Volts DC coming into board on cable CE32030 & CE32031 from Power Distribution Board.			
functions.	О	Red and Yellow LE n solid, with yellow		If not on, then it is not communicating with th motherboard. Check A5CORD58 USB cable.			
Green Red and	randomly blinking.			If they are off, check power into board on CE32030 & CE32031 cable. Replace board if needed.			
Power Yellow LED LEDs		aulty I/O Aux Boar	rd.	Replace if needed. Part # AACB9605A-TT			

Prob	Problem Prob		robable Cause			Remedy		
Low Tickets message on display.			Tickets are empty in ticket tray Faulty cable. Disconnected, loose or broken wires.			Load tickets into tray. Ensure tickets hold down the micro switch wire. The 2 wires on the switch should go to the C and NO locations. Check connectors from low ticket switch to Newgen board. Check for continuity. (A5CE31023)		
Each side will have a low ticket switch in the rear of the ticket tray.			Faulty low ticket switch. Dipswitch on I/O Door Board. Faulty I/O Door Board.			Inspect switch and replace if needed. (AASW200) Check dipswitch settings on the I/O door board. If the game has a card swipe system, Dipswitch # 5 should be ON. Replace I/O Door Board. Part # AACB9605A-TT		
Tickets do not dispense or Wrong amount dispensed Check for the correct amount of tickets showing on Monitor	Tickets on dispense dispense display does not match tickets coming out of game. Tickets on display does not match tickets coming out of game. Tickets on display do match Setting		cable. Disconner broken wires. O Door Board. s in Menu are	dirty. alcometed		ow dust from sensor and clean with isopropyl cohol. eplace with working dispenser to isolate the oblem. (A5TD1) p tickets and load upside-down to have large cut obten toward opto sensor. neck connectors from ticket dispensers to I/O Door of the continuity. CE31023 Insure issue is not with a card swipe system - eplace I/O Door Board. Part # AACB9605A-TT Inter Menu and check certain areas: Points Settings, Mercy Tickets, etc Foor Board Dipswitch Settings: 1/2 Ticket Fixed tickets		
Conveyor not working. Or running in wrong direction. CUNVEYOR STUCK The conveyor is programmed to stop if a person walks on the conveyor belt. This will void the game and a power cycle is needed to clear this error.		between Co	Conveyor Motor roller Board r 12 Volts notor.		Refer to wiring diagram. Check connection, reseat from Controller Board to Motor. CE32000 & CE3200 If motor has 12 Volts - Replace motor AAMO31000. If not 12 Volts - turn game off and back on. Try playing game. Tension on conveyor belt may be too high. Refer to to Adjust Conveyor Tension' Section. Note: A voided game will not pay out tickets. (becauplayer is cheating). It will save the credit after the proycle if the "Save Ticket/NJ" dipswitch #3 is ON.			

Problem		Probable Cau	se	Remedy				
Scoring Issues. There is an emitter board and a detector board behind each target hole		Test sensors in Diagnostic Menu Faulty sensor board.		Refer to wiring diagram. Check connections, reseat cables from Rear Controller Board to sensors. CE32010 or CE32013 or CE32016 or CE32018 or CE32020 and cable between sensor boards. (CE32008 or CE32015) Enter the game menu. A faulty target hole will flash red and green on the RGB lights. Replace faulty sensor boards. AACB31001 & AACB31002				
		rget.		Enter the game menu. A faulty target hole will flash red and green on the RGB lights. Replace faulty sensor boards. AACB31001 & AACB31002				
Menu Buttons do not work. The menu buttons are located in the		Pinched, broken, or Clisconnected wiring		Replace button if problem stays with button.(AAPB2700A) Inspect crimp to ensure good connection. Check connections from menu buttons to I/O Aux Board. Check cables (AAPB2700A, CE32032) Replace I/O Aux Board if needed. Part# AACB9605A-TT				
All Front Cabinet LED Color Strips are not Working Controller Board issue	Ensure Controller Board is receiving voltage from Power Distribution Board. Ensure all LED cables are plugged into controller board. Faulty Controller Board.		er c C F d. li	Refer to wiring diagram. Check connections & reseat cables from Power Distribution Board to Light Board. CE32028 Refer to wiring diagram. Check connections and reseat ght cables. Replace Controller Board if needed. AACB22000A-TT				
All Target LED Color Strips are not Working Rear Controller Board issue	Ensure Rear Controller Board is receiving voltage from Power Distribution Boa Ensure USB cable has good communication to controller board Faulty Rear Controller Board		ard E	Refer to wiring diagram. Check connections & reseat cables from Power Distribution Board to Rear Controller Board. CE32035 & CE32034 Refer to wiring diagram. Check connections and reseat USB cable from Motherboard to Light Board Cable # A5CE22031 Replace Rear Controller Board if needed. AACB31000A				
One LED Lights in the Target Wall Holes is not working	Loose or bad connection. Test LED's Faulty LED		resea Cable CE32 Swap conne	r to wiring diagram. Check multiple connections and lat cables from Rear Controller Board to Target LED les # CE32009, CE32014, CE32017 to LED Cables 2042, CE32043 o cable on Rear Controller Board into known good lector to isolate problem. ace faulty LED. (CE32042, CE32043)				

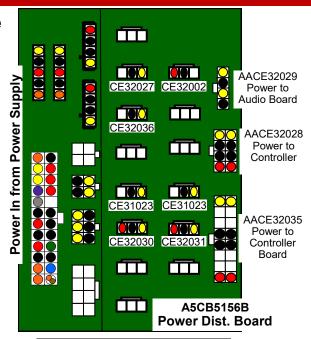
Problem	Probable Cause	Remedy					
LED Lights in the front of the	Loose or bad connection	Refer to wiring diagram. Check multiple connections, reseat cables from Controller Board to Lights. CE32022, & CE32040					
cabinet are not Working	Test LED's in Diagnostic Menu	Enter menu, scroll to Diagnostic Menu, & "RGB Color"					
	Faulty LED	Replace faulty LED. Part # CE32040					
LED Lights in Left and Right	Loose or bad connection	Refer to wiring diagram. Check multiple connections, reseat cables from Controller Board to Lights: CE32025, CE32026, CE32038, CE32039					
Sides are not Working	Test LED's in Diagnostic Menu	Enter menu, scroll to Diagnostic Menu, & "RGB Color"					
	Faulty LED	Replace faulty LED. CE32038 or CE32039					
LED Lights in Left and Right	Loose or bad connection	Refer to wiring diagram. Check multiple connections, reseat cables from Controller Board to Lights. CE32024, CE32041					
Uprights are not Working	Test LED's in Diagnostic Menu	Enter menu, scroll to Diagnostic Menu, & "RGB Color"					
Working	Faulty LED	Replace faulty LED. Part # CE32041					
LED Lights in Marquee are not Working	Loose or bad connection	Refer to wiring diagram. Check multiple connections, reseat cables from Power Distribution Board to Lights. CE32036, CE32037, and CE32044					
	Faulty LED	Replace faulty LED. Part # CE32044					
One or more Flood Lights not working.	No 12 Volt DC to Lights Loose or bad connection.	Refer to wiring diagram. Check multiple connections and reseat cables from Power Distribution Board to lights. Cables # CE32027					
working.	Faulty Flood Light	Swap Flood Light to another connection. Replace if needed. Part # AALD22001P					
Both Displays not working	No 5 Volt DC to Display. Loose or bad connection.	Refer to wiring diagram. Check multiple connections and reseat cables from Power Distribution Board to Displays. Cables # CE32002, CE32033					
	Missing Communication from Controller Board	Refer to wiring diagram. Check multiple connections and reseat cables from Controller Board to Matrix Board to Displays. Cables # A5CE22031, A5CE9736					
	Faulty Matrix Board	Replace Matrix Board. Part # AACB14000A-TT					
	Faulty Display Board	Replace Display Board. Part # A5LD1052					
One Display is not working	No 5 Volt DC to Display. Loose or bad connection.	Refer to wiring diagram. Check connections and reseat cables on jumper cable to Displays. Cables # CE9736					
	Faulty Ribbon Jumper Cable	Refer to wiring diagram. Reseat ribbon jumper cable between displays. Cables # A5CE9736					
	Faulty Display Board	Swap Display Boards from side to side, replace if needed. Part # A5LD1052					

CIRCUIT BOARD LAYOUT

Boards are located inside the front door.



On/Off Rocker Switch on Power Supply



NO ACE

AACE32007 To Speakers A5CB9621A **Audio Amplifier**

Power In A5CEAU010 from Power Dist. Board

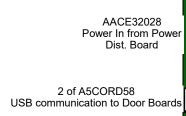


Outlet Strip A50U5000

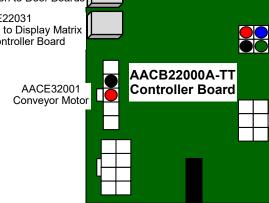
On/Off

Rocker

Switch



2 of A5CE22031 USB communication to Display Matrix Board & Rear Controller Board

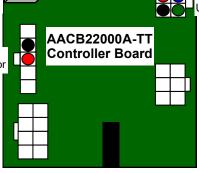


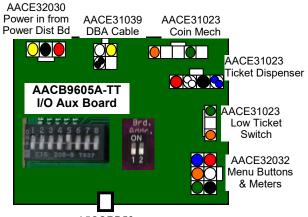
AACE32025 Right RGB Lights AACE32022 Front RGB Lights

AACE32026

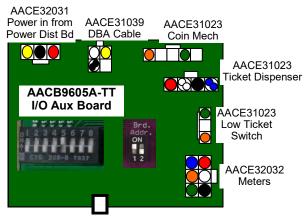
Left RGB Lights

AACE32024 Upper Front Metal RGB Lights



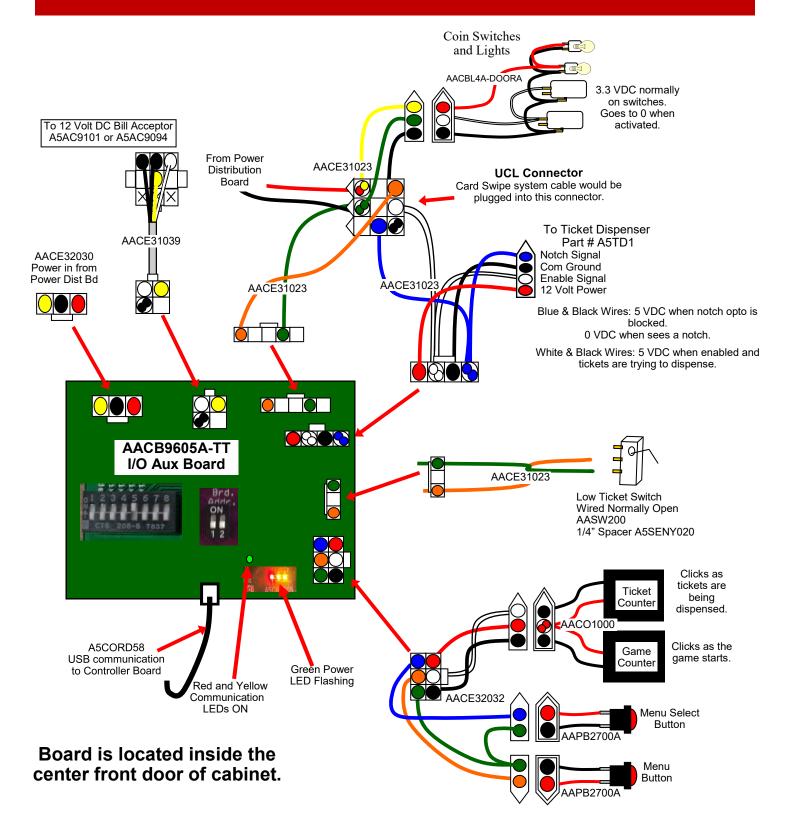


A5CORD58 **USB** communication to Controller Board

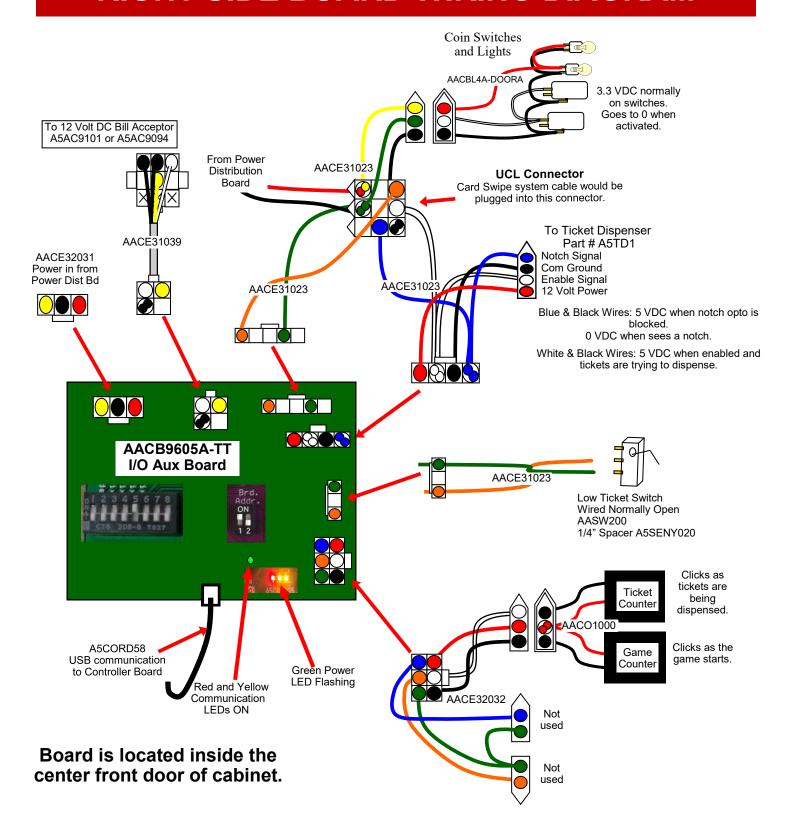


A5CORD58 **USB** communication to Controller Board

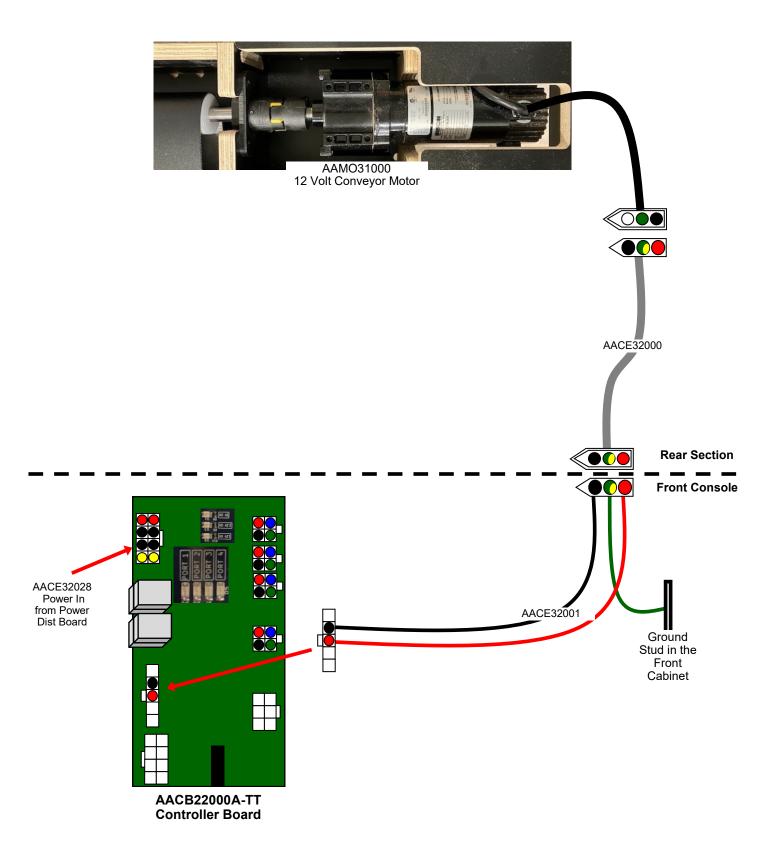
LEFT SIDE BOARD WIRING DIAGRAM



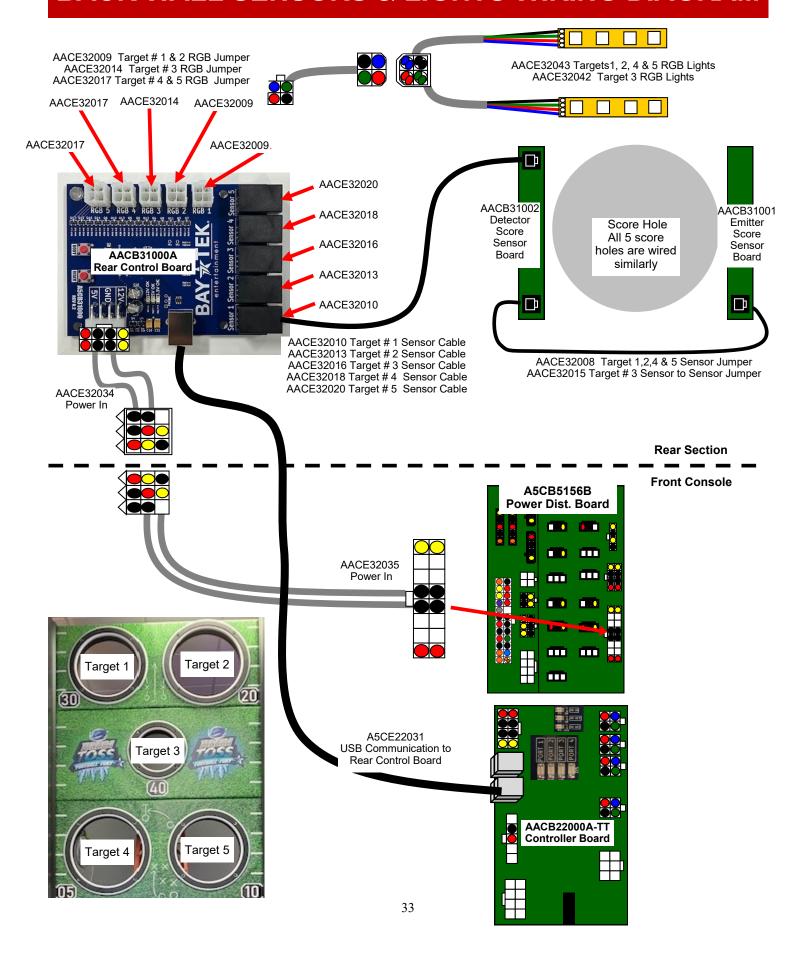
RIGHT SIDE BOARD WIRING DIAGRAM



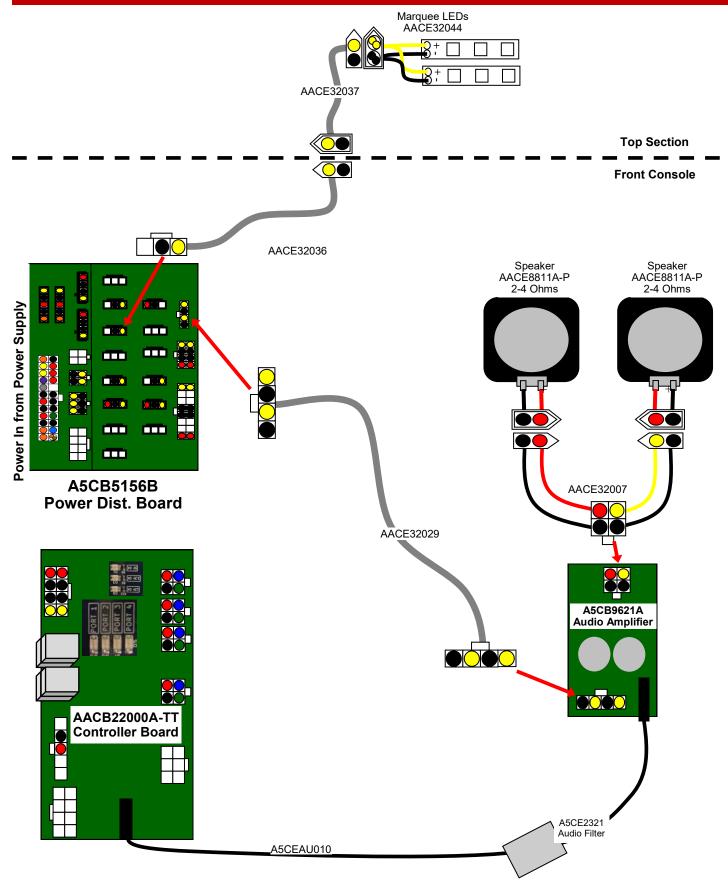
CONVEYOR MOTOR WIRING DIAGRAM



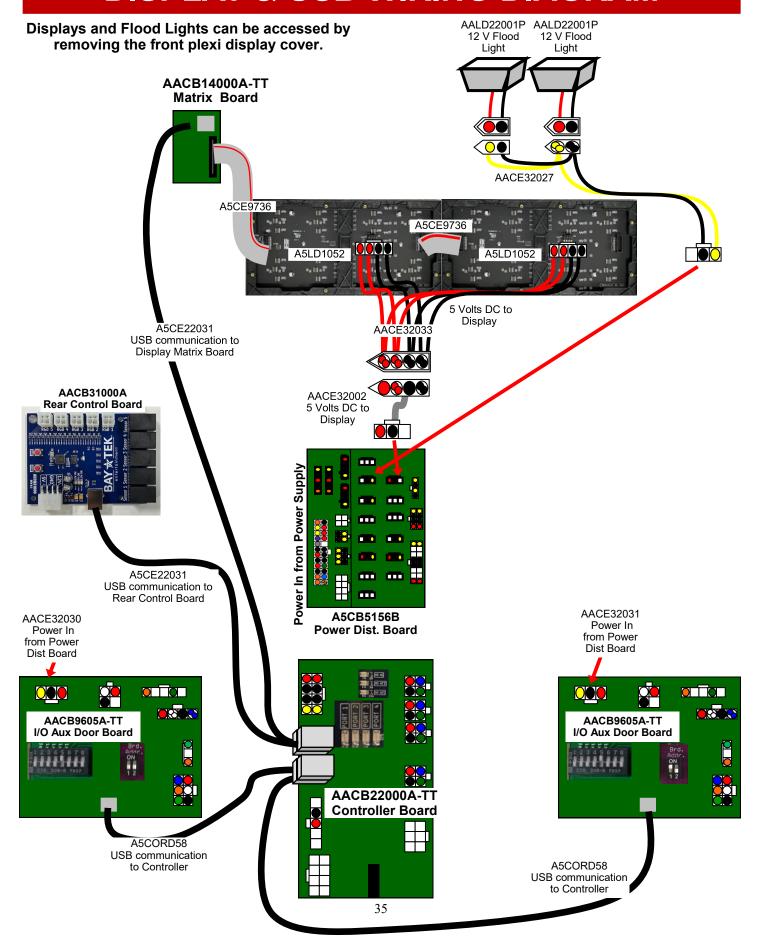
BACK WALL SENSORS & LIGHTS WIRING DIAGRAM



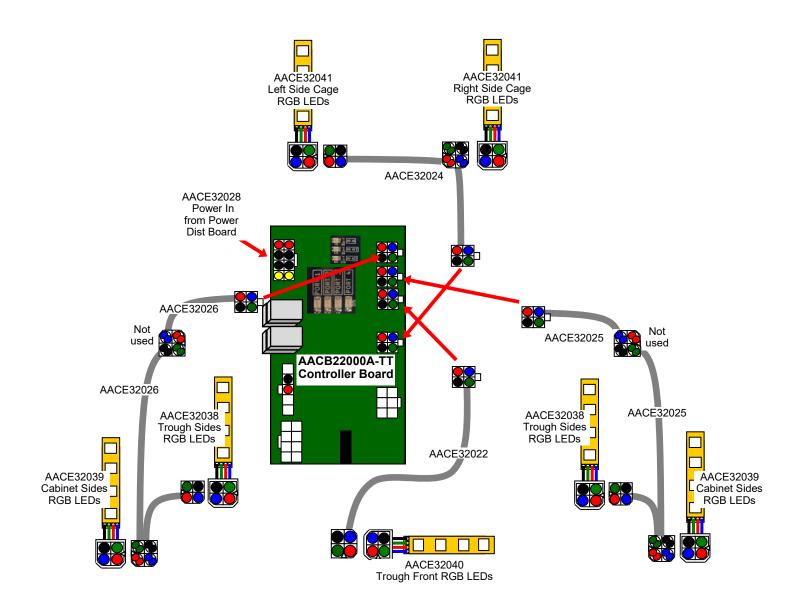
SOUND & MARQUEE WIRING DIAGRAM



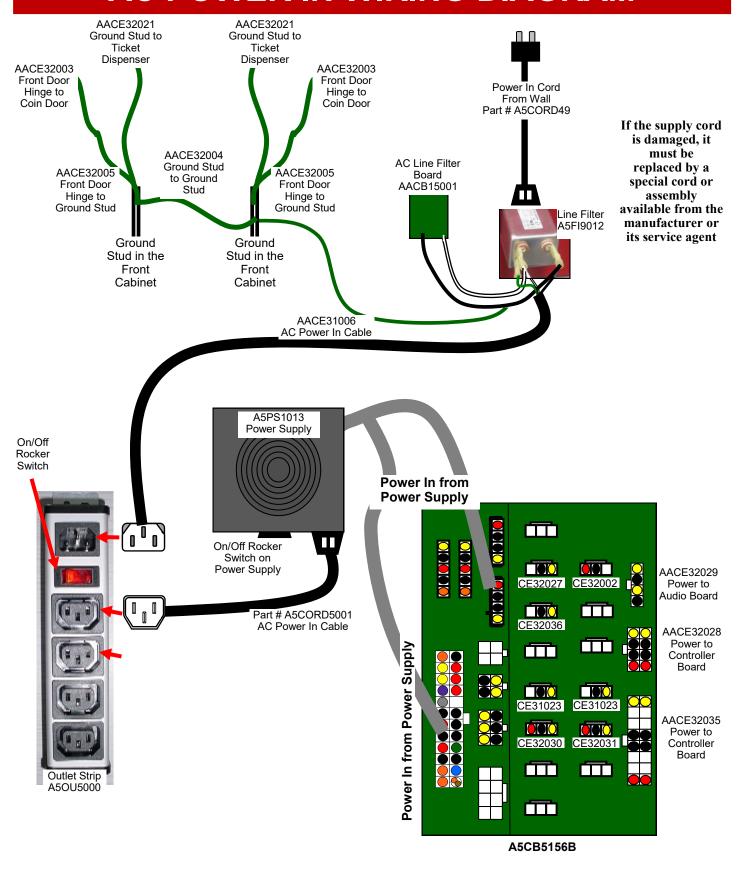
DISPLAY & USB WIRING DIAGRAM



GAME LIGHTING WIRING DIAGRAM

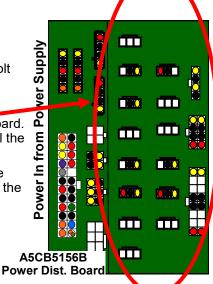


AC POWER IN WIRING DIAGRAM



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.) Check for power supply fan turning.
- If the power supply fan is turning and there is no 12 Volts out, the power supply is faulty and needs to be replaced.
- 6.) If power supply fan is not turning, check power supply cables to the Power Distribution Board. This board takes the power in, and directs it to the different 12 volt loads.
 - Turn off game.
- Unplug all power out connectors from the right side of the Power Distribution Board. Turn on game and if the power supply fan is turning, plug one cable in at a time until the fan stops turning.
- If power supply fan is not turning when only the power supply is plugged into the Power Distribution Board, then replace power supply. It should come on with simply the load of the Power Distribution Board plugged into it. Part # A5PS1013



A5PS1013

Power Supply

HOW TO REPLACE DISPLAY

The display boards are accessed from the front of the cabinet.

Remove the screws holding the front plexi in place using a # 2

square bit.

The display board can then be lifted out and unplugged.



HOW TO REPLACE TARGET SENSORS

The target sensor boards are located behind metal protective brackets in the rear of the game.

Some brackets are mounted left and right of the hole, some are mounted above and below the hole.

Tools Needed:

10-12 foot ladder 11/32" Nut Driver

Phillips Screwdriver

Instructions:

Unplug the game from the wall.

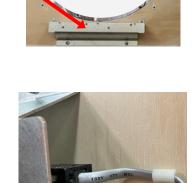
Unclip the black tarp on the back of the game enough to access the faulty target sensor boards.

Unplug the phone cable communication cable to the sensor board. Note:

Emitter boards have 1 cable

Detector boards have 2 cables, one on each end.

Remove the metal protective bracket by removing the 4 screws using a Phillips screwdriver.





Remove the circuit board from the bracket by removing the 4 nuts using a Phillips screwdriver and 11/32" nut driver.



Install the new sensor board making sure the plastic spacers are in place, and that the sensors are pointing toward the slots in the bracket.

