

FACTORY CONTACT INFORMATION



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WELCOME TO SKEE-BALL

Congratulations on your Skee-Ball purchase!

Skee-Ball has been entertaining audiences at boardwalks, fairs and entertainment centers for over 110 years.

Please take a moment to read through this manual as it contains a lot of helpful information. Be sure to contact our factory 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!



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 them at service@baytekent.com for further assistance.

GAME SPECIFICATIONS

	WEIGHT	
NET WEIGHT	645 lbs	293 kg
SHIP WEIGHT	695 lbs	318 kg

SHIPPING DIMENSIONS (1 Pallet)

80" x 32" x 92" at 695 lbs (Class 125)

GAME DIMENSIONS						
WIDTH	30"	77 cm				
DEPTH	122"	310 cm				
HEIGHT	86"	219 cm				

GAME HEIGHT WITH MARQUEE

128" (325 cm)

POWER REQUIREMENTS

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

MAX OPERATING CURRENT

2 AMPS @ 110 VAC / 1.3 AMP @ 220VAC

OPERATI	NG TEMPERATURE
FAHRENHEIT	45-80 F
CELSIUS	7 - 27 C

SAFETY PRECAUTIONS

NOTICE

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

This appliance is suitable for INDOOR, DRY locations only.

DANGER

DO NOT perform repairs or maintenance on this game with the power ON. Unplug the unit from the wall outlet or shut off the power strip located inside the cabinet.

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.

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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.



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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.

SKEEBALL GAME SET UP

The game will arrive on 1 pallet.

Dimensions of pallet is 80" long by 32" wide by 92" tall.

Please inspect the pallet for shipping damage and report immediately to the freight company if any damage is found.

There will be about 1/2 hour of assembly time needed.

Unbox the pallet and proceed to the assembly instructions.

Tools Needed:

9/16" Wrench 7/16" Wrench # 2 Square Bit 2 - 3 people

Important:

Portions of this game are heavy, bulky and large. Assembly requires 2-3 people to lift and move heavy game sections.

Working on the Ramp section:

Remove the screws holding the retaining block in place using a # 2 square bit. Remove the retaining block, it is not needed.

Remove the 2 lag bolts using a 9/16" Wrench.

Remove the cardboard box. Open box to access:

- 9 game balls (A5BA5810)
- Game keys
- Game manual
- Locking Wrench (A5WR3800)

A Link Box or Overhead Sign may be included with your shipment, please refer to their individual Set Up Guide

Working on the rear Target section:

Remove the 2 lag bolts using a 9/16" Wrench.

Remove the screws holding the retaining block in place using a # 2 square bit. Remove the retaining block, it is not needed.

Remove the rear target section from the pallet and place in the final game position in the game room. It is advisable to leave some distance from the wall.

Remove the front ramp section from the pallet and position 2 feet away from the rear target section.

Pull the cable bundles through the holes in the cabinets so that they may be connected.



SKEEBALL GAME SET UP

Begin plugging the 6 connectors from the ramp into the appropriate connectors from the target section.

The green ground wire is located inside the target section.-

Slide the ramp section closer to the target section - making sure that the cables slide neatly into the holes and do not get pinched in between the cabinet sections.

Secure Ramp and Target Sections Together:

Locate the large 5/16" Allen hex tool (A5WR3800) from the cardboard box.

Push the two game sections together completely so both sides are flush.

Insert the large Allen wrench into the right side hole and turn clockwise until latch is completely locked in place.

Similarly, insert the large Allen wrench into the left side hole, but turn counter-clockwise until latch is completely locked in place.

Locate the game's AC power cord from the cardboard box, plug into the back of the cabinet, and plug into the wall socket.

Power on game: Flip rocker switch located at the top of the game. The game is now set up and ready for play!

Use the menu buttons (located inside the lower alley center front door)

to adjust setting to your specific price per play and ticket payout.

If a Grand Marquee Sign or Link Box is included with your purchase,









AVAILABLE OPTIONS TO LINK GAMES

The games can be linked with an Overhead Sign Part # AASIGN-SBCL

Linking features:

- Synchronizes scrolling of displays during attract mode.
- Adjustable jackpot ticket win and ticket increment per game.

A Linking Box Part # AAKIT-SBCLP may be used instead in a room with low ceiling height.

Please refer to their individual Set Up Guide.



AVAILABLE BLANKING PLATES

A5PL5150	plate used instead of Coin Mech Coin Comparator
A5PL9995	Plate used instead of ticket dispenser
AAME17016	Plate used instead of Bill Acceptor







CARD SWIPE INSTALLATION

The Skee Ball 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.



Game Adjustments:

Enter game menu, Set "Set Credits" to 1 (1 Credit per play), Set "Credit Type" to Swipe, or Tap Set "Game Mode" to Tickets.

On the I/O Aux Boards, set dipswitches #5 and #8 to ON. (Disables low ticket input)

Notes:

- 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.
- The Bill Acceptor harness can also be used as an alternative to provide a coin-in signal to the game.
 Cable part # AACE18008: White wire is signal, Black wire is ground (common).
 Danger: Red wire is 12VDC

HOW TO SET COIN COMPARITOR MECHS

Coin comparators come standard on a Skee Ball game that is not specifically ordered for use with a card swipe system. These mechs are specifically designed to work with any size coin or token. Coin mechs can be swapped between games to identify a faulty mech.



speed position. Set to the middle position for 50 ms

Game not coining up.	Ensure game makes sound when coin switch is triggered.	Check coin switch—Should be wired normally closed. (NC) Switch should be up.
	Verify communication between Motherboard and I/O Aux Board	Check wiring to I/O Aux Board. Part #'s AACE18004 & AACE18005
		Refer to "Game does not coin up" troubleshooting section.
	Game set to large amount of credits per game.	Check options in menu.
	Faulty coin mech	Swap mech between games to identify a faulty mech
	Faulty coin mech	Swap mech between games to identify a faulty mech

HOW TO PLAY

Credit your Skee Ball to start the game Balls will be released automatically.

Roll the balls down the ramp, one at a time to score points.

Try to land the ball in the higher value rings to score the most points.

Repeat and Enjoy!



HOW TO ACCESS MENU BUTTONS & I/O AUX BOARD

Unlock the lock in the bottom, middle door below the ramp.

Menu buttons, Speaker, and I/O Aux Board can now be accessed.





HOW TO ACCESS MOTHERBOARD AND POWER SUPPLY

Unlock the 2 locks in the marquee on the top of game.



Pull marquee straight out.

It will slide outward, then pivot down for easy access of marquee components.

Motherboard, Display Boards, Power Supply, and Power Distribution Board can now be accessed.







MAIN MENU FUNCTIONS

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

Press the "Menu Select" button during attract mode to dispense balls. This is useful to balance the amount of balls in each alley.

Hold the MENU button down for 1 second to open the main menu on the display. This will also automatically clear the credits and tickets owed.

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

Press and hold the "SELECT" button to scroll faster.

Exit the menu at any time by pressing both the Menu button and Menu Select buttons at same time.

MENU	DESCRIPTION	MENU	DESCRIPTION
N1	SOFTWARE VERSION	N7	BALLS PER GAME
N2	SET CREDITS	N8	GAME TIMEOUT
N3	CREDIT TYPE	N9	LOCAL HIGH SCORE RESET MODE
N4	SET VOLUME	N10	RUN DIAGNOSTICS
N5	ATTRACT TIMER	N11	TEST BALL RELEASE
N6	ATTRACT VOLUME		

The following menu options (N12-N27) are available if dipswitch # 4 is OFF (Refer to Motherboard Dipswitch Settings page)

MENU	DESCRIPTION	MENU	DESCRIPTION
N12	EXTRA LAST BALL	N20	CREDIT PER DISCOUNT
N13	SCORE END OF GAME	N21	GAMES PER DISCOUNT
N14	MERCY TICKETS	N22	LOCAL HIGH SCORE BASE
N15	FIRST TICKET SCORE	N23	GAME MODE
N16	SCORE SPAN	N24	WIN OUTPUT TIMER
N17	TICKETS PER SPAN	N25	DISPLAY LAST SCORE
N18	GAME STATS	N26	DISPLAY HIGH SCORE
N19	CLEAR STATS	N27	MIDWAY PAYMENT TYPE
		N36	RESTORE FACTORY SETTINGS

The following menu options (N28-N36) are available if dipswitch # 4 is OFF on Motherboard AND

An overhead sign is attached and only accessible from the right hand game.

MENU	U DESCRIPTION		DESCRIPTION
N28	USE BONUS	N33	SIGN ATTRACT TIMER
N29	BONUS SCORE BASE	N34	CELEBRATION TIMER
N30	WIN BONUS TICKET VALUE	N25	NEW HIGH SCORE
N31	BONUS MAX TICKETS	IN 30	BECOMES BONUS SCORE
N32	BONUS INCREMENT	N36	RESTORE FACTORY SETTINGS

Scroll through the menu with the "MENU" button. Make your selection with the "SELECT" Button. Hold the "SELECT" button to scroll faster. Default settings are highlighted in yellow below.

N1 - SOFTWARE VERSION

Shows the software version of the game.

SKEEBALL - 1.1.7 BUEDY14 Feb 5 2020 09:08:02 Bay Tek Ent.

		N2 ·	- SE	ET C	RED	ITS		
0	1	2	3	4	5	6	7	8

Sets the amount of coin pulses needed to start a game. "0" will be free play. Note: Default menu settings are shown at \$1 per play.

N3 - CREDIT TYPE

SWIPE TAP COINS TOKENS BILLS

Scrolls on the display to instruct player the method of coin up.

N4 - SET VOLUME										
0	1	2	3	4	5	6	7	8	9	10

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

N5	5 - A	ſTR/	ACT	ΤΙΜΙ	ER
OFF	30s	1m	5m	10m	15m

Sets the time between attract sound cycles. "OFF" means no attract sounds.

N6 - ATTRACT VOLUME										
0	1	2	3	4	5	6	7	8	9	10

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

Scroll through the menu with the "MENU" button. Make your selection with the "SELECT" Button. Hold the "SELECT" button to scroll faster. Default settings are highlighted in yellow below.

N7 - BALLS PER GAME

Sets the amount of balls to be played per game.

N8 - BALL TIMEOUT

OFF 20s 30s	1m	2m	3m	5m
-------------	----	----	----	----

Sets the time the game will wait before going to "Game Over" if the balls are not thrown. OFF means no game timeout.

N9 - LOCAL HIGH SCORE RESET MODE

99 PLAYS

NEVER

Determines if the high score will reset.

POWER - The high score will reset when the game is shut down and powered back on.

99 - It will reset the high score after 99 games.

NEVER The high score will never reset.

N10 - RUN DIAGNOSTICS

Normally shows a 0 - meaning the sensor is clear.

A sensor will show "1" when blocked. This will help determine a faulty sensor.

Gutter S	Sensor	lease Sensor	0	verflow Sensor	
10	2	0	30		40
50)	1	00 Left		100 Right

POWER

3



N11 - TEST BALL RELEASE

While in this Test mode, press the "Menu Select" button to activate the ball release.

This will also turn on/off the celebration light/bell. (if equipped)

Press the "Menu Select" button again to turn off light and bell.

To run ball release without entering menu, press the "Menu Select" button while in attract mode.

The following menu options (N12-N27) are available if dipswitch # 4 is OFF

Scroll through the menu with the "MENU" button. Make your selection with the "SELECT" Button. Hold the "SELECT" button to scroll faster. Default settings are highlighted in yellow below.

N12 - EXTRA LAST BALL

OFF 10 Sec

ec <mark>20 Sec</mark>

20s

This option applies when the "Balls per Game" set in N7 were not detected.

Sets the amount of time before a ball is given to the player.

"OFF" means no ball will be given, and game will then end at the "Game Timeout" setting.

N13 - SCORE END OF GAME

OFF 5s 10s 15s

Set the time that the player's score will show on the display after the game is over. "OFF" means the score will not display at the end of the game.

N14 - MERCY TICKETS											
0 1 2 3 4 5 6 7 8 9 10											

Sets the number of tickets paid out if the player's score is below the first ticket score.

	N15 - FIRST TICKET SCORE											
0	10	20		290	300	350	400	450		850	900	

Sets the amount of points that must be scored before the first ticket is dispensed.

N16 - SCORE SPAN											
0	10	20	30	40	50	60		270	280	290	300

Sets the additional score needed to dispense the "Tickets Per Span" ticket amount. Example: If the FIRST TICKET SCORE is set to 10 and the SCORE SPAN is set to 10, the first ticket is issued at 10 and the next one would be at 20, then 30, and every 10 points thereafter.



Sets the amount of tickets given for every "Score Span" past the "First Ticket Score"

Scroll through the menu with the "MENU" button. Make your selection with the "SELECT" Button. Hold the "SELECT" button to scroll faster. Default settings are highlighted in yellow below.

N18 - GAME STATISTICS

Reports: The total number of games. Average score of these games. Number of Bonus Wins. (If equipped with optional sign) An attached sign will also show statistics, if accessed by the far right game.



N19 - CLEAR STATISTICS

Press the "MENU SELECT" button 3 times to clear the Game Statistics. An attached sign will also clear statistics, if accessed by the far right game. Audio chime will sound when cleared.

N20 - CREDIT PER DISCOUNT											
0	1	2	3	4	5	6		97	98	99	

This option is used to give the player free games for every X credits they buy at once. (Bill Acceptor) Example: If the option is set to 4, then for every 4 credits bought at the same time, "Games Per Discount" games are given for free.

If the option is set to 20, then for every 20 credits bought at the same time,

"Games Per Discount" games are given for free.

N21 - GAMES PER DISCOUNT										
	0	1	2	3	4	5				

Sets the number of free games given when a player utilizes the "Credit Per Discount" option.

N22 - LOCAL HIGH SCORE BASE												
0	10	20		240	250	260		400	450		850	900

Sets the initial high score shown on the game.

Game may be set to show and reset this high score with the "Local High Score Reset" menu option

Scroll through the menu with the "MENU" button. Make your selection with the "SELECT" Button. Hold the "SELECT" button to scroll faster. Default settings are highlighted in yellow below.

N23 - GAME MODE									
TICKETS	POINTS / AMUSEMENT ONLY	PRIZES	COUPONS						

Tickets - Will show tickets won on screen, and dispense tickets.

Points / Amusement Only - Will not show anything on screen, and not dispense tickets. Prizes - If score set in "First Ticket Score" is reached, win beacon will flash for time setting in "Win Output Timer" below.

N24 - WIN OUTPUT TIMER										
OFF 5s 10s 15s 20s 25s 30s 1m 1m 30s										

Sets the number of seconds an available bell and/or beacon will remain for win celebration.

N25 - DISPLAY LAST SCORE

YES NO

Determines if the game will show the last score on display during the attract mode

N26 - DISPLAY HIGH SCORE

YES NO

Determines if the game will show the high score on display during the attract mode

N27 - MIDWAY PAYMENT TYPE

DISPENSE

ATTENDANT

WAIT

Sets how the game will pay tickets.

Dispense - Attract mode/next game can be played while tickets are dispensed. Attendant - Plays the win sound continually until an attendant presses the "Select" menu button. Wait - Attract mode/next game will not begin until all tickets are dispensed.

SIGN MENU

The following menu options (N28-N36) are available if dipswitch #4 is OFF AND

An overhead sign is attached and only accessible from the right hand game.

Scroll through the menu with the "MENU" button. Make your selection with the "SELECT" Button. Hold the "SELECT" button to scroll faster. Default settings are highlighted in yellow below.

N28 -	USE	BON	US

NO YES

Determines the verbiage used on the jackpot sign display.

If No - the jackpot sign will scroll "Keep the Good Times Rollin"

If Yes - all of the Bonus/Jackpot features below are enabled.

N29 - BONUS SCORE BASE											
0	10	20		390	400	410	420		880	890	900

Sets the score at which the overhead sign will pay the bonus value tickets.

N30 - WIN BONUS TICKET VALUE																	
0	10	25	50	75	100	150	200	250	300	350	400	450	500	1000	1500	2000	2500

Sets the minimum sign ticket value. Sign will also reset to this value after a win.

N31 - BONUS MAX TICKETS																	
0	50		400	450	500	600		900	1000	<mark>1500</mark>	2500	3000	4000		8000	9000	9999

Sets the maximum Jackpot value when using progressive jackpot



Set the amount of tickets that the bonus will increment with every game played. 0 means a fixed jackpot (no increment)

SIGN MENU

Scroll through the menu with the "MENU" button. Make your selection with the "SELECT" Button. Hold the "SELECT" button to scroll faster. Default settings are highlighted in yellow below.



Sets the amount of time that the sign celebration will remain on when the Bonus Score is reached.



Sets the amount of time that the sign celebration will remain on when the Bonus Score is reached.

N35 - NEW HIGH SCORE BECOMES BONUS SCORE

NO YES

Determines if the high score will become the sign bonus score.

N36 - RESTORE FACTORY SETTINGS

Press the "MENU SELECT" button 3 times to reset all settings to factory defaults. Audio chime will sound when cleared. This will also reset the overhead sign settings to factory defaults.

I/O AUX BOARD DIPSWITCH SETTINGS

SWITCH	DESCRIPTION	ON	OFF
1	SHOW GAME Set to ON to not dispense tickets and clears all accumulated credits		х
2	AMUSEMENT ONLY Set to ON to not dispense tickets		х
3	NJ LOCKOUT Set to ON to save 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, rounding up odd amounts.		х
5	DISABLES LOW TICKET INPUT Disables the low ticket message on screen. Set to ON when using a card swipe system		х
6	NOT USED		
7	NOT USED		
8	USB POWER TO BOARD Set to ON if no USB input	x	

Note: UP is ON



Q6.

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MOTHERBOARD DIPSWITCH SETTINGS

All dipswitches on the Motherboard Are normally set to OFF

DIP	DESCRIPTION	ON	OFF
1	Not Used		Х
2	Not Used		Х
3	Not Used		Х
4	Home Use Game Set ON to simplify the menu by only displaying the options most used by home owners.		x



MOTHERBOARD JUMPERS

Motherboard Jumpers are pre-installed at the factory. Adjustment is not necessary.



GAME PLAY THEORY OF OPERATION

The game is designed to give points for balls scored through the target playfield.

The Playfield Sensor under each hole will score the points.



Balls not reaching the target playfield will return to the ball track and the Ball Count Sensor will register them as zero points.

After the desired amount of balls (usually 9) are counted by the Ball Count Sensor and the Playfield Sensors, the game will end.

Upon coin up, the ball release motor will turn as the Ball Release Sensor counts the balls released.

When the sensor releases the desired amount of balls (usually 9), the motor will stop.

The Ball Release Motor will not turn if the Overflow Sensor is blocked. This will prevent damage to the motor.

There are spacers on top of these sensors - these are important as they prevent the sensors from raising in the track.

Ball Count Sensor Ball Release Sensor Overflow Sensor

ERROR CODES

ROLL BALLS MESSAGE

The game thinks there are balls in the ball track waiting to be rolled. This will disable the motor from releasing more balls.

Remove right side lane cover and check the overflow sensor in ball track. Clean or replace if needed.

Part # AACB3850A





giving 0

RED DOT ON LOWER LEFT CORNER OF DISPLAY

The game thinks there are no tickets in the ticket tray.

Check the low ticket switch in the left front side of game.



Replace switch if using

Unplug one of the wires if using not using tickets. (Card Swipe systems)

GREEN DOT ON LOWER RIGHT CORNER OF DISPLAY

The game thinks there are too many balls in the ball track. This will result in the game miss-scoring or giv points for the first few balls rolled.

Most of the time, one alley will be missing balls while this alley has extra balls.

To balance the balls in each alley:

Open the middle lower door to access the menu buttons and hold the "Menu Select" button to engage ball release motor.

If the correct number of balls (9) are in the track, remove right side lane cover and check the ball count sensor at the far end of the ball track. Clean or replace if needed. Part # AACB3850A



Ball Count Sensor

ALLEY CIRCUIT BOARD OVERVIEW



Boards located in top of game behind the display.

Board located in bottom of game in front of ramp.



TICKET DISPENSER, COIN MECH, COUNTERS, AND MENU BUTTONS

AACM-AS-COMP Coin Mechanism



BALL RELEASE, ALLEY SENSORS, AND SPEAKER



COMMUNICATION, PLAYFIELD LIGHTS, AND RAMP



AC POWER & POWER SUPPLY WIRING



DISPLAY WIRING



PLAYFIELD SENSOR WIRING DIAGRAM



TROUBLESHOOTING GUIDE

Probl	em	Pro	bable Cause	Remedy					
		Unplu	ıgged.	Check wall outlet to line filter in back of game. (A5FI9010)					
No nower t	o the	Fault	y Line Filter	Replace Line Filter. (A5FI9010)					
game	o the	Fault	y Cable	Refer to wiring diagram. Check cables CE18035, CE18034					
		Rock of gai suppl plugs	er Switch on top me or power y turned off, or unplugged.	Check rocker switch on top of game. Check rocker switch on power supply. Ensure power cords are pushed up into the back of the power supply and line filter securely. Replace Rocker Switch if needed. Part # A5SW18000					
		Circu	it breaker tripped	Reset power strip breaker switch or building circuit breaker. Attempt to determine cause.					
		Bad power supply.		Refer to Power Supply Diagnostics					
Lights on ra	amp do	LED	strip faulty	All ramp lights are supplied by one power connector from Power Distribution Board. If only one light is out, remove plastic cover and examine LED strip. Replace if needed. Part # CE17004					
not light up		Faulty Cable		Check cables from LED strips to Power Distribution Board. Refer to wiring diagram for the cable path. CE17000 & CE17001. Check Molex connector at the rear of the ramp. Verify CE17001 is plugged securely to Power Distribution Board. Check for 12 volts DC on CE17000					
Lights inside ball track does not light up		LED strip faulty		These lights are supplied by 2 power connectors from Power Distribution Board. If only one light is out, remove and examine LED strip. Replace if needed. Part # CE17006 or CE17016					
		Faulty Cable		Check cables from LED strips to Power Distribution Board. Refer to wiring diagram for the cable path. CE17000 & CE17001. Check Molex connector at the rear of the ramp. Verify CE17001 is plugged securely to Power Distribution Board. Check for 12 volts DC on CE17000 and CE17001					
I FD marqu	IEE	Fault	y Cable	Check cables from LED strips to Power Distribution Board (CE17003, CE18033)					
lighting not		Verify	12 Volts DC	Check for 12 volts DC on CE18033 on Power Dist. Board					
working		LED	strip faulty	Replace LED strip. AACE17003					
LED's light plavfield ar	ing up ea not	Faulty conne	y wire or ection.	Check for 12 volts DC on CE17002 from Power Dist. Board. Check continuity. Check for damaged connector Refer to wiring diagram.					
working		Fault	y LED light strip.	Swap LED light from a different spot. Replace LED light strip if needed. CE17007 or CE17008					
	Volume low	too	Increase the volu scroll to "Game V	me by pressing Menu button, olume" and adjust.					
No Audio	Loose v	vire	Check audio cabl (CE8811, CE17	e connections from motherboard to speaker. 013, CE18012) Check Molex connector at the rear of the ramp.					
	Faulty Speake	r	Replace Speaker	Replace Speaker (AACE8811)					

		TRO	UBL	ES	HO	OTING GUIDE				
Problem		Р	robable C	ause		Remedy				
Balls are not released		Pinched, b disconnect	roken, or ed wiring.		Refer game ramp.	to Wiring Diagram. Verify 12 Volts DC at motor at coin up. Check Molex connector at the rear of the Check cables CE18007 & CE18006				
To test motor: Enter menu and scroll to		Track Sensor faulty. A blocked sensor will cause ball motor to stop to protect motor.			Chec Repla	k Overflow Sensor. ace if needed. AACB3850A				
Test Ball Release	9	If 12 Volts is not movi	DC and mo ng.	otor	Faulty	y motor. Replace AAMO18000				
		Motherboa	rd defective	Э.	Repla	ace Motherboard. (AAMB18000-SBC)				
Too many balls		Sensor at blocked, d	ball release irty, or fault	e y.	Clean or	sensor at ball release. Green LED should only come when blocked. Replace if needed. (AACB3850A)				
are released		Pinched, b disconnec	roken, or ted wiring.		Checl Checl Checl	k connections from sensor board to main board. k continuity on wires. CE18007 & CE18006 k Molex connector at the rear of the ramp.				
Not enough ball are released	s	Ball count defective a ramp.	opto senso at far end of	r is	lf this until g	If this sensor misses a ball, the game will continue waiting until game time-outs. Replace sensor. (AACB3850A)				
Game is waiting f player to throw balls and there ar none left in track.	or e	Pinched, broken, or disconnected wiring.			Checl Checl Checl	Check connections from sensor board to main board. Check continuity on wires. CE18007 & CE18006 Check Molex connector at the rear of the ramp.				
		Opto sens release is	or at ball defective		lf this Repla	sensor "sees" 2 balls instead of one. ice sensor. (AACB3850A)				
Display not working	Pii dis	nched, brok sconnected	en, or wiring.	Refe CE1 Che Boa	er to wir 8002 & ck com rds. Pa	ring diagram. Ensure 5 volts DC on CE18011 CE18001 cables from power distribution board. munication ribbon cable from Motherboard to Display rt # CE18000				
	Fa	aulty Display	Module	Swa Rep	p displa lace dis	ay modules inside cabinet to isolate the issue. splay if needed. A5LD1052				
Dollar Bill Accep	otor	not	Check for Bill Accep	powe tor.	r to	Acceptor should cycle stacker at game power up. If not, check cable connections.				
Ensure Bill Accep	otor	is set to	Dirt or deb acceptor s	oris in slot.		Refer to "How to Clean Bill Acceptor" Or clean with bill reader cleaning card. (A5CC9000)				
"Always Enable" Important : Only 12 Volt DC DBA is to be installed.			Pinched, I disconnec	oroker ted w	n, or iring.	Check wiring from bill acceptor to I/O Board. (CE18008) Repair or replace wiring harness. Make sure wires are secure in connectors.				
			Bill accept Part # A5 (AE2454 I	tor pro AC91 J5E)	oblem 01	Refer to troubleshooting section of Bill Acceptor manual itself, the diagnostics label of the back of the unit.				
Lane matting or dirty	tar	get area is	Matting wi with use.	ill get	dirty	Clean with "Scrubbing Bubbles" brand cleaner.				

		TRC	UBL	ES	HOO	TING GUIDE			
Probler	n		Probable C	ause)	Remedy			
			Opto Senso dispenser o	or on t dirty.	licket	Blow dust from sensor and clean with isopropyl alcohol.			
	Tick mor	tets on Nitor does	Faulty ticket dispenser.			Replace with working dispenser to isolate the problem. (A5TD1)			
	not ticke	match ets coming	Notch on tio shallow.	ckets	cut too	Flip tickets and load upside-down to have large cut notch toward opto sensor.			
Tickets do not dispense or	out	or game.	Faulty cable loose or bro	e. Dis oken v	connected, wires.	Check connectors from ticket dispensers to I/O Aux board. Check for continuity. Cables AACE18014			
amount			Enter Diagr	nostic Iser	menu and				
dispensed			Check dips Aux Board	witche	es on I/O	There are many options that affect ticket payout using the dipswitches. Refer to Dip Switch Setting page.			
			Faulty I/O Board			Replace I/O Board. AACB9605A			
	Tick mor mat com gam	tets on hitor do ch tickets hing out of he.	Settings in incorrect.	Menu	are	Enter Menu and check certain areas: First Ticket Score Score Span Tickets per Span Mercy Tickets Check Dipswitches on I/O Aux Board Ensure only Dip # 8 is set to ON.			
Low Tickets	Ticl	kets are em	pty in ticket	tray	Load ticke switch wire	ts into tray. Ensure tickets hold down micro			
monitor	Fau loos	ulty cable. D se or broke	Disconnecteo n wires.	d,	Check connectors from low ticket switch to I/O board. Check for continuity. (AACE18014)				
li	Fau	ulty low tick	et switch.		Inspect sw	itch and replace if needed. (AASW200)			
	Fau	ılty I/O Boa	rd		Check dips needed. A	switches on I/O Board, Replace I/O Board if ACB9605A			
Menu Buttons not working	Ga co	ame also do in up?	oes not	Che CE1 ram	ck communi 8004, CE18 o. Ensure po	cation cable from Motherboard to I/O Aux Board. 005. Check Molex connector at the rear of the ower to I/O Aux Board.			
	Pi dis	nched, brok sconnected	ken, or wiring.	Refe CE1 Che	er to wiring d 8005 cables ck 18015 ca	iagram. Ensure 12 & 5 volts DC on CE18004, from power distribution board. ble from I/O Aux Board to Menu Buttons.			
Faulty Menu Button			Button	Swa	p buttons to	isolate the issue. Replace if needed. AAPB2700			
	The 2 w together			/	Inspect cri	mp to ensure good connection on meter cable			
Counters /Meto do not work	ers	Pinched, t disconnec	oroken, or ted wiring		Check con Check con	nections from counters to I/O Aux board. tinuity on wires. (AACO1020, CE18015)			
		I/O Aux bo	oard faulty.		Replace I/0	D Aux board. (AACB9605A)			

TROUBLESHOOTING GUIDE

Problen	n	Probable Cause	ļ	Remedy				
Game scores wrong		Game starts with a score already on display or scores double points.	6	Sensor is defective under score hole. Enter menu, go to Diagnostics Menu to check sensors. Refer to wiring diagram. Sensors cables plug into pass-thru board (AACB18001) to ease removal of playfield. Ensure cables are properly connected to it. Replace defective sensors (AACB3851A)				
Game does no coin up Game will have an audio track	t	Check power into I/O Board power distribution board. Check for 12 Volts DC into Also check 12 VDC on CE1 Check wiring from coin swit Card swipe systems must ti	I - CE1 CE180 8010 f ch to l/ e into	18004 & CE18005 from 014 cable from CE18009 cable. from Power Distribution Board /O board. CE18014 the green and black wires.				
"clinking" sound from speakers when coin switch triggered.		Communication to Motherbo faulty. (Motherboard is loca behind display)	oard ted	Ensure CE18005 cable is plugged into correct phone socket on I/O board. Replace if needed.				
Ensure 12 VDC on CE18009 & CE18010 from Power Dist Board		Game will not coin up, and will not go into menu if the communication is faulty.		Display. Ensure this cable is plugged into the correct socket on motherboard. Check Molex connection				
Check for "Roll balls" message on display		Coin Mech issue.		Swap coin mech from different game. Replace if needed.				
Green Dot on Display Game miss- scoring or		Too many balls in the ball track.	Oper the m "Men relea	Open the middle lower door to access the menu buttons and hold the "Menu Select" button to engage ball release motor.				
giving 0 points the first few bal rolled.	for IIs	Faulty cable. Disconnect- ed, loose or broken wires. Faulty Ball Count Sensor. Faulty Motherboard.	Fault CE18 Repla	y cable. Disconnected, loose or broken wires. 3007, CE18006 to Motherboard ace Ball Count Sensor. AACB3850A ace Motherboard. (AAMB18000-SBG)				
Roll Ball Message on DisplayThe balls be ro FaultROLL BALLS		e game thinks there are ls in the ball track waiting to rolled. ulty sensor.	Replace Motherboard. (AAMB18000-SBG) Remove right side lane cover and check the overflow sensor in the ball track. This will cause the motor not to release balls. Replace sensor. AACB3850A Important: When replacing sensors, ensure the spacers are reinstalled on wood block. These will prevent wood blocks from rising in slot, and possibly damaging the ball release motor.					

POWER SUPPLY DIAGNOSTICS

- 1.) Verify AC power to game. Check the rocker switch on top of the cabinet.
- 2.) Check power in connection to power supply.
- 3.) Ensure Power Supply switch is set to 115V (or 230V) (Some model power supplies may not have this)
- 4.) Ensure Power switch is on.
- 5.) Ensure fan is turning.
- If power supply fan is turning and there is no 12 Volt out:

Check power supply cables to the Power Distribution Board.

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

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

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

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

 power supply fan is not turning, replace power supply part #

BILL ACCEPTOR INFORMATION

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. A 12 Volt DC Bill Acceptor must be used. Standard 12 Volt DBA is MEI # AE2454-U5E Part # A5AC9101

Determine if Bill Acceptor has power:

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

If NO power:

Use meter to measure 12 VDC voltage at cable going into Bill Acceptor from 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 chart for repair.







HOW TO ACCESS TARGET SENSORS

Remove the 4 bolts (A5SCHX025) from the front metal cage using a 5/32" Allen Wrench.

Remove the 2 screws in the left and right rubber ends using a Phillips screwdriver

Pivot and pull the playfield to the left to access the cables on the lower left corner.

Unplug the game harness cables from the right side of the jumper board to free the playfield from the cabinet. The playfield can now be removed from the game, and sensor boards can be replaced.

For installation: position playfield into cabinet and plug cables into the right side of jumper board as shown.





HOW TO CHANGE BALL RELEASE MOTOR

Unlock the lock on the right lane cover of the alley using a H95 Key.

Slide yellow lane cover forward and remove from alley.

Remove the balls in the track.

Slide up both wood blocks holding the sensors.

Unplug the connectors, and remove the sensors from the cabinet.

Remove the 4 mounting screws using a #2 Square Bit screwdriver.

Remove the white plastic ball track from cabinet.

Remove the small cotter pin from the motor shaft, and remove the black plastic wheel.

Remove roll pin and save for new motor.

Remove the 4 bolts attaching the motor bracket to the wood cabinet using a 7/16" wrench.









HOW TO CHANGE BALL RELEASE MOTOR

Pivot motor/bracket and lift upward out of channel.

Remove 4 bolts using 5/16" wrench to remove old motor from bracket.

Unplug motor power from the yellow & black wire connector.





Install new motor onto bracket, plug new motor into yellow & black wire connector and re-install into channel as before.

Important: Ensure the roll pin is installed into the new motor before attaching the black plastic wheel. Make sure the slot for the roll pin is facing to the left, toward the roll pin.

Slide the black plastic wheel onto the shaft of the motor so the roll pin is fully seated into the slot.

The cotter pin can now be installed into the motor shaft and bent to prevent the black plastic wheel from sliding off.

Re-install the white plastic **sensors**.

Make sure the sensor's cable is tucked down away from the path of the ball.







HOW TO UPDATE SOFTWARE

The motherboard software can be easily updated with a USB flash drive stick.

Instructions: Copy the program file onto a blank USB thumb drive stick. Make sure the game is turned ON. Insert the USB thumb drive into the slot on the motherboard assembly.

Press the red "Boot" button on the board.

The process will be complete in seconds. Remove the USB stick, the software has been update.



AAMO18005 BALL RELEASE ASSEMBLY



Part #	Description	Quantity on Assembly	Part #	Description	Quantity on Assembly
A5BOHH030	Hex Head Bolt 10-32 X 3/4"	4	A5PIRO015	Roll Pin 3/16" Dia X 1 1/4"	1
A5BOHH040	Hex Head Bolt 25-20 X 1"	4	A5WAET020	#10 Tooth Lock Washer	4
A5ME17015	Ball Release Motor Bracket	1	A5WASI020	1/4" Split Washer	4
AAMO18000	Ball Release Motor, 10 RPM,	1	WARR0019-	Black Plastic Cogged	1
A5CL3401	Cotter Pin 3/32" Dia X 1/2"	1	SBGP	Wheel	

PLAYFIELD PARTS







AABU8100 Bumper & Post



Additional Parts for Playfield

Part #	Description	Quantity on Assembly
A5DE17004	Ring Value Decals	1
AACB3851A	Score Sensors	7

PART # DESCRIPTION PART # DESCRIPTION ASAG9101 12 VDC BIIL Acceptor Option ASME8620 Metal, Coin Box, Black ASBA8105 Ball, Brown, Alleys ASPE1030 Power Supply, EVGA 500 ASBK6035 Bracket, Light ASPE1013 Power Supply, EVGA 500 ASBK9999 Bracket, Light ASPE1010 Vacuum Form, Ball Hop ASCA2102 Carn, Lock, Coin Mech Door ASTD1 Ticket Dispenser, Entropy ASCE9736 Ribbon Cable Jumper ASVF17000 Vacuum Form, Ball Hop ASDE17004-10 Decal, Target Value 10 AABA8100-SET Set of Sand Bags ASDE17004-20 Decal, Target Value 20 AABA8102 Large Sand Bag Assembly ASDE17004-30 Decal, Target Value 30 AABK1018 Bumper & Post ASDE17004-40 Decal, Target Value 30 AABU8101 Bumper & Post ASDE17004-50 Decal, Target Value 30 AABU8101 Bumper & Post ASDE17004-60 Decal, Target Value 30 AABU8101 Bumper & Post ASDE17005 Decal, Barchoard AACA1001 Doct Carget Assy, Barb <th colspan="6">PARTS LIST</th>	PARTS LIST					
ASAC9101 12 VDC Bill Acceptor Option ASME8620 Melal, Coin Box, Black ASBA8106 Ball, Brown, Alleys ASPE1013 Power Supply, EVGA 500 ASBK9035 Bracket, Light ASPS1013 Power Supply, EVGA 500 ASCB9703 Ribbon Cable Jumper ASVF17000 Vacuum Form, Ball Hop ASCE9736 Ribbon Cable Jumper ASVF17000 Vacuum Form, Ball Hop ASCE0705 Cord, AC Computer Cord, 6.5' ASWR3800 Wrench, Allen, 5/16 ASDE17004-10 Decal, Target Value 10 AABA8100 Small Sand Bag Assembly ASDE17004-20 Decal, Target Value 20 AABA81012 Large Sand Bag Assembly ASDE17004-30 Decal, Target Value 30 AABK1013 Bracket, Pushbuton/Counters ASDE17004-40 Decal, Target Value 30 AABU8701 Obstacle Bumpers, Set Of 2 ASDE17004-50 Decal, Target Value 40 AABU8701 Obstacle Bumpers, Set Of 2 ASDE17004-60 Decal, Target Value 40 AABU8701 Obstacle Bumpers, Set Of 2 ASDE17004-60 Decal, Target Value 50 AABU8701 Obstacle Bumpers, Set Of 2 ASDE18002	PART #	DESCRIPTION	PART #	DESCRIPTION		
ASBA0106 Ball, Brown, Alleys ASPL8600 Plug, Plastic Plug 1-3/8° Dia ASBK9893 Bracket, Light ASPS1013 Power Supply, EVGA 500 ASBK9899 Bracket, Power Supply Mounting ASSW18000 Swttch, Rocker ASC202102 Cam, Lock, Coin Mech Door ASTD1 Ticket Dispenser, Entropy ASCE9736 Ribbon Cable Jumper ASVF17000 Vacuum Form, Ball Hop ASDE17004-101 Decal, Target Value 100 AABA8100-SET Set of Sand Bag ASDE17004-101 Decal, Target Value 20 AABA8102 Large Sand Bag Assembly ASDE17004-20 Decal, Target Value 20 AABA8101 Bumper & Post ASDE17004-40 Decal, Target Value 30 AABK1013 Baracket, Pushouttom/Counters ASDE17004-40 Decal, Target Value 50 AABU8101 Bumper & Post ASDE17004 Decal, Target Value 50 AACA17000 Cork Carpet Assy, Backboard ASDE17004 Decal, Target Value 50 AACA17000 Cork Carpet Assy, Backboard ASDE17004 Decal, Target Value 50 AACA17000 Cork Carpet Assy, Backboard ASDE18004 Ligh	A5AC9101	12 VDC Bill Acceptor Option	A5ME8620	Metal, Coin Box, Black		
ASBK 60035 Bracket, Light ASPS 1013 Power Supply, EVGA 500 ASBK 9999 Bracket, Power Supply Mounting ASSW 18000 Switch, Rocker ASCA2102 Carn, Lock, Coin Mech Door ASTD1 Ticket Dispenser, Entropy ASCE9736 Ribbon Cable Jumper ASVF17000 Vacuum Form, Ball Hop ASDE042 Decal, Menu/Volume Decal AABA8100 Small Sand Bag Assembly ASDE17004-10 Decal, Target Value 10 AABA8101 Medium Sand Bag Assembly ASDE17004-20 Decal, Target Value 20 AABA8102 Large Sand Bag Assembly ASDE17004-30 Decal, Target Value 30 AABK1013 Bracket, Pushbutton/Counters ASDE17004-40 Decal, Target Value 30 AABK1011 Bumper & Post ASDE17004-50 Decal, Target Value 30 AABU8101 Bumper & Post ASDE17004-50 Decal, Target Value 30 AABU8101 Bumper & Post ASDE17004-50 Decal, Target Value 30 AABU8101 Bumper & Post ASDE17004-50 Decal, Target Value 30 AACA17000 Cork Carget Assy, Battor ASDE18002 Decal, Rangocket Light C	A5BA8106	Ball, Brown, Alleys	A5PL8600	Plug, Plastic Plug 1-3/8" Dia		
ASBK9999 Bracket, Power Supply Mounting ASSW 18000 Switch, Rocker ASCA2102 Cam, Lock, Coin Mech Door ASTD 1 Ticket Dispenser, Entropy ASCE9736 Ribbon Cable Jumper ASVF17000 Vacuum Form, Ball Hop ASCE0705 Cord, AC Computer Cord, 6.5' ASWR3800 Wrench, Allen, 5/16 ASDE17004-10 Decal, Target Value 0 AABA8100-SET Set of Sand Bag ASDE17004-10 Decal, Target Value 20 AABK1013 Bracket, Pushuttom/Counters ASDE17004-30 Decal, Target Value 30 AABK1013 Bracket, Pushuttom/Counters ASDE17004-40 Decal, Target Value 50 AABU8101 Bumper & Post ASDE17004-30 Decal, Target Value 50 AABU8701 Obstacle Bumpers, Set 07 2 ASDE17004 Decal, Faceplate/Display AACA17000 Cork Carpet Assy, Ramp ASDE18002 Decal, Playfield Protectant AACA17001 Cork Carpet Assy, Ball Deflector, Right ASDE18004 Light Covers, Petg, 26* Long AACA8103-R Carpet Assy, Ball Deflector, Right ASDE18001 Filter, Inline AACA8103-R Carpet Assy, Ball Deflector, Right <td>A5BK6035</td> <td>Bracket, Light</td> <td>A5PS1013</td> <td>Power Supply, EVGA 500</td>	A5BK6035	Bracket, Light	A5PS1013	Power Supply, EVGA 500		
ASCA2102 Cam, Lock, Coin Mech Door ASTD1 Ticket Dispenser, Entropy ASCE9736 Ribbon Cable Jumper ASVF17000 Vacuum Form, Ball Hop ASCORDS Cord, AC Computer Cord, 6.5' ASWR3800 Wrench, Allen, 5/16 ASDE017004-10 Decal, Target Value 10 AABA8100 Small Sand Bag Assembly ASDE17004-10 Decal, Target Value 10 AABA8101 Medium Sand Bag Assembly ASDE17004-20 Decal, Target Value 20 AABA8102 Large Sand Bag Assembly ASDE17004-30 Decal, Target Value 30 AABU8100 Bumper For 100/10000 Score Rings ASDE17004-40 Decal, Target Value 40 AABU8101 Bumper For 100/10000 Score Rings ASDE17004-50 Decal, Target Value 40 AABU8101 Otstacle Bumpers, Set Of 2 ASDE17004-50 Decal, Faceplate/Display AACA17001 Cork Carpet Assy, Ramp ASDE18002 Decal, Paceplate/Display AACA17001 Cork Carpet Assy, Ball Deflector, Right ASDE18004 Light Covers, Petg, 26' Long AACA81034 Carpet Assy, Ball Deflector, Right ASF19010 Filter, Inline AACA8104 Carpet Assy, Ball Deflector, Right ASF19010 Filter, Inline AACB18001 PCB, Power Dist, Board ASLA3850 Latch, Receptacle End AACB3850A Sensor Board, A	A5BK9999	Bracket, Power Supply Mounting	A5SW18000	Switch, Rocker		
ASCE9736 Ribbon Cable Jumper ASVF17000 Vacuum Form, Ball Hop ASCORD5 Cord, AC Computer Cord, 6.5' ASWR3800 Wrench, Allen, 5/16 ASDE042 Decal, Target Value 10 AABA8100 Small Sand Bag Assembly ASDE17004-10 Decal, Target Value 10 AABA8101 Medium Sand Bag Assembly ASDE17004-20 Decal, Target Value 20 AABA8102 Large Sand Bag Assembly ASDE17004-30 Decal, Target Value 20 AABU8101 Bumper & Post ASDE17004-40 Decal, Target Value 40 AABU8101 Bumper & Post ASDE17004-50 Decal, Target Value 50 AABU8101 Obstacle Bumpers, Set Of 2 ASDE17005 Decal, Faceplate/Display AACA17000 Cork Carpet Assy, Ramp ASDE18002 Decal, Playlield Protectant AACA17001 Cork Carpet Assy, Ball Deflector, Right ASDE18004 Light Covers, Pelg, 26* AACA8103-R Carpet Assy, Ball Deflector, Right ASDE18005 Decal, Back Neoprene Set AACB15001 PCB Assy, Ball Deflector, Right ASFD81300 Handle, For Cash Box AACB18001 PCB, Sy Ball Seles Resistor	A5CA2102	Cam, Lock, Coin Mech Door	A5TD1	Ticket Dispenser, Entropy		
ASCORD5 Cord, AC Computer Cord, 6.5 ASWR3800 Wrench, Allen, 5/16 ASDE10042 Decal, Target Value 10 AABA8100 Small Sand Bag Assembly ASDE17004-10 Decal, Target Value 10 AABA8100 Ever Sand Bags ASDE17004-20 Decal, Target Value 20 AABA8102 Large Sand Bag Assembly ASDE17004-30 Decal, Target Value 30 AABK1013 Bracker, Pushbutton/Counters ASDE17004-40 Decal, Target Value 30 AABU101 Bumper A Post ASDE17004-50 Decal, Target Value 40 AABU8101 Bumper F or 100/10000 Score Rings ASDE17004-50 Decal, Faceplate/Display AACA17001 Cork Carpet Assy, Ramp ASDE18002 Decal, Faceplate/Display AACA17001 Cork Carpet Assy, Ball Deflector, Right ASDE18004 Light Covers, Petg, 26" Long AACA8103-L Carpet Assy, Ball Deflector, Right ASDE18005 Decal, Ball Socket Light Covers AACA8103-L Carpet Assy, Ball Deflector, Right ASF9010 Filter, Inline AACA8103-L Carpet Assy, Ball Deflector, Right ASF04004 Labch Receptacle End AACB18001 PCB, Power Dist, Board ASLA3850 Latch, Receptacle End AACB3165 PCB, Power Dist, Board ASL4201 Lock, Cash Box AACB9605A PCB, Door Interface Boar	A5CE9736	Ribbon Cable Jumper	A5VF17000	Vacuum Form, Ball Hop		
ASDE0042 Decal, Menu/Volume Decal AABA3100 Small Sand Bag Assembly ASDE17004-100 Decal, Target Value 100 AABA8101 Medium Sand Bag Assembly ASDE17004-200 Decal, Target Value 20 AABA3101 Bracket, Pushbuton/Counters ASDE17004-40 Decal, Target Value 30 AABK1013 Bracket, Pushbuton/Counters ASDE17004-40 Decal, Target Value 40 AABU8101 Bumper For 100/10000 Score Rings ASDE17004-40 Decal, Target Value 50 AABU8701 Obstacle Sumpers, Set Of 2 ASDE17005 Decal, Backboard AACA17000 Cork Carpet Assy, Backboard ASDE18002 Decal, Faceplate/Display AACA17001 Cork Carpet Assy, Ball Deflector, Left ASDE18004 Light Covers, Petg, 26" Long AACA8103-L Carpet Assy, Ball Deflector, Left ASDE18005 Decal, Ball Socket Light Covers AACA8103 Carpet Assy, Ball Celect, Right ASF08103 Foam, Black Neoprene Set AACB15001 PCB Assy, Black Beard ASLA3850 Latch, Parel Fastening AACB81801 PCB, Power Dist. Ril 29 Pass-Thru ASLA3851 Latch, Panel Fastening AACB18001	A5CORD5	Cord, AC Computer Cord, 6.5'	A5WR3800	Wrench, Allen, 5/16		
ASDE17004-10 Decal, Target Value 10 AABA8100-SET Set of Sand Bags ASDE17004-100 Decal, Target Value 20 AABA8101 Medium Sand Bag Assembly ASDE17004-20 Decal, Target Value 20 AABA8102 Large Sand Bag Assembly ASDE17004-30 Decal, Target Value 30 AABK1013 Bracket, Pushbutton/Counters ASDE17004-40 Decal, Target Value 40 AABU8101 Bumper & Post ASDE17004-50 Decal, Target Value 50 AABU8101 Obstacle Bumpers, Set Of 2 ASDE17005 Decal, Faceplate/Display AACA17000 Cork Carpet Assy, Balt Deflector, Regt ASDE18002 Decal, Playfield Protectant AACA8103-L Carpet Assy, Balt Deflector, Right ASDE18004 Light Covers, Petg, 26° Long AACA8103-R Carpet Assy, Playfield ASDE18005 Decal, Ball Socket Light Covers AACB81001 PCB Assy, Bled Resistor Board ASHA3850 Handle, For Cash Box AACB81001 PCB Assy, Bled Resistor Board ASHA3850 Latch, Panel Fastening AACB8351A Board, Alley Score Sen ASLA3851 Latch, Receptacie End AACB8165A PCB, Door Interfac	A5DE0042	Decal, Menu/Volume Decal	AABA8100	Small Sand Bag Assembly		
ASDE17004-100 Decal, Target Value 100 AABA8101 Medium Sand Bag Assembly ASDE17004-20 Decal, Target Value 30 AABK1013 Bracket, Pushbutton/Counters ASDE17004-30 Decal, Target Value 30 AABK1013 Buraper 4: Pushbutton/Counters ASDE17004-40 Decal, Target Value 50 AABU8100 Bumper For 100/1000 Score Rings ASDE17005 Decal, Faceplate/Display AACA17000 Cork Carpet Assy, Ramp ASDE18002 Decal, Faceplate/Display AACA17001 Cork Carpet Assy, Ball Deflector, Left ASDE18004 Light Covers, Petg, 26° Long AACA8103-L Carpet Assy, Ball Deflector, Left ASDE18005 Decal, Ball Socket Light Covers AACA8103-R Carpet Assy, Ball Deflector, Right ASF19010 Filter, Inline AACA8103-R Carpet Assy, Ball Deflector, Right ASF18030 Bads Koeoprene Set AACB81001 PCB Assy, Biel Resistor Board ASLA3850 Handle, For Cash Box AACB8305A Sensor Board, Alley Track ASLA3851 Latch, Parel Fastening AACB8305A PCB, Power Dist Isord ASLX5800 Lock, 78° AACE9805A PCB, Doo	A5DE17004-10	Decal, Target Value 10	AABA8100-SET	Set of Sand Bags		
ASDE17004-20 Decal, Target Value 20 AABA102 Large Sand Bag Assembly ASDE17004-40 Decal, Target Value 30 AABK1013 Bracket, Pushbutton/Counters ASDE17004-40 Decal, Target Value 50 AABU8101 Bumper & Post ASDE17004-40 Decal, Target Value 50 AABU8101 Bumper & Post ASDE17005 Decal, Backboard AABU8701 Obstacle Bumpers, Set Of 2 ASDE17006 Decal, Playfield Protectant AACA17000 Cork Carpet Assy, Backboard ASDE18002 Decal, Ball Socket Light Covers AACA8103-L Carpet Assy, Ball Deflector, Left ASDE18005 Decal, Ball Socket Light Covers AACA8103-R Carpet Assy, Ball Deflector, Right ASF08103 Filter, Inline AACB15001 PCB Assy, Bileed Resistor Board ASF08103 Foam, Black Neoprene Set AACB15001 PCB, 7 Position Rj12 Pass-Thru ASLA3850 Latch, Panel Fastening AACB3850A Sensor Board, Alley Track ASLA3851 Latch, Receptacle End AACB3156 PCB, Power Dist. Board ASLK2001 Lock, Cash Box AACB6156 PCB, Power To Ramp Lights ASME17000 Metal, Drawer Guide Rod AACE17002	A5DE17004-100	Decal, Target Value 100	AABA8101	Medium Sand Bag Assembly		
ASDE17004-30 Decal, Target Value 30 AABK1013 Bracket, Pushbutton/Counters ASDE17004-40 Decal, Target Value 40 AABU8100 Bumper & Post ASDE17004-50 Decal, Target Value 50 AABU8101 Bumper & Post ASDE17005 Decal, Faceplate/Display AACA17000 Cork Carpet Assy, Ramp ASDE17006 Decal, Faceplate/Display AACA17001 Cork Carpet Assy, Ball Deflector, Left ASDE18002 Decal, Ball Socket Light Covers AACA8103-R Carpet Assy, Ball Deflector, Right ASDE19010 Filter, Inline AACA8103-R Carpet Assy, Ball Deflector, Right ASF19010 Filter, Inline AACA8104 Carpet Assy, Ball Deflector, Right ASF19010 Filter, Inline AACA8103-R Carpet Assy, Playfield ASF04013 Foram, Black Neoprene Set AACB15001 PCB Assy, Blee Resistor Board ASLA3850 Latch, Panel Fastening AACB8351A Board, Alley Score Sen ASLA3851 Latch, Receptacle End AACB8156 PCB, Power Dist. Board ASLK2001 Lock, Cash Box AACE17001 12v Power To Ramp Lights ASME17000 Metal, Tront Cage AACE17002 Power To Ramp	A5DE17004-20	Decal, Target Value 20	AABA8102	Large Sand Bag Assembly		
ASDE17004-40 Decal, Target Value 40 AABU8100 Bumper & Post ASDE17004-50 Decal, Target Value 50 AABU8101 Bumper For 100/1000 Score Rings ASDE17005 Decal, Backboard AABU8701 Obstacle Bumpers, Set Of 2 ASDE17006 Decal, Faceplate/Display AACA17000 Cork Carpet Assy, Barboard ASDE18002 Decal, Playfield Protectant AACA17001 Cork Carpet Assy, Bal Deflector, Right ASDE18004 Light Covers, Petg, 26" Long AACA8103-L Carpet Assy, Bal Deflector, Right ASDE18005 Decal, Ball Socket Light Covers AACA8104 Carpet Assy, Bal Deflector, Right ASDE18005 Decal, Ball Socket Light Covers AACA81001 PCB Assy, Bled Resistor Board ASF08103 Foam, Black Neoprene Set AACB18001 PCB Assy, Bled Resistor Board ASLA3850 Handle, For Cash Box AACB18001 PCB, Tostino R12 Pass-Thru ASLA3850 Latch, Raeptade End AACB3850A Sensor Board, Alley Track ASLX001 Lock, Cash Box AACB47001 PCW Prower To Ramp Lights ASLK2001 Lock, Cash Box AACE17001 Puer To Ramp Lights ASKE15005 New Tray Insert 18 Ga Galv AACE17001 12v Power To Ramp Lights ASME17000 Metal, Ringht Ramp Cover, Yellow AACE17003 <td< td=""><td>A5DE17004-30</td><td>Decal, Target Value 30</td><td>AABK1013</td><td>Bracket, Pushbutton/Counters</td></td<>	A5DE17004-30	Decal, Target Value 30	AABK1013	Bracket, Pushbutton/Counters		
ASDE17004-50 Decal, Target Value 50 AABU8101 Bumper For 100/10000 Score Rings ASDE17005 Decal, Backboard AABU8701 Obstacle Bumpers, Set OT 2 ASDE17006 Decal, Playfield Protectant AACA17001 Cork Carpet Assy, Bamp ASDE18002 Decal, Playfield Protectant AACA17001 Cork Carpet Assy, Ball Deflector, Left ASDE18005 Decal, Ball Socket Light Covers AACA8103-R Carpet Assy, Ball Deflector, Right ASF08100 Filter, Inline AACA8101 Carpet Assy, Ball Deflector, Right ASF08103 Foam, Black Neoprene Set AACB15011 PCB Assy, Bled Resistor Board ASF08103 Foam, Black Neoprene Set AACB18001 PCB Assy, Bled Resistor Board ASILA3850 Latch, Panel Fastening AACB3850A Sensor Board, Alley Track ASLA3851 Latch, Receptacle End AACB3851A Board, Alley Score Sen ASILK2001 Lock, Cash Box AACB17000 Power To Ramp Lights ASILK5002 Lock, 7/8" AACE17001 12v Power To Ramp Lights From Head ASME17000 Metal, Drawer Guide Rod AACE17003 Ultra Bright Harquee Light ASME17001 Metal, Right Ramp Cover, Yellow AACE17004 Ultra Bright Led Ball Track Ramp Light ASME17005 Metal, Right Ramp Cover, Yellow AAC	A5DE17004-40	Decal, Target Value 40	AABU8100	Bumper & Post		
ASDE 17005 Decal, Backboard AABU8701 Obstacle Bumpers, Set Of 2 ASDE 17006 Decal, Faceplate/Display AACA17000 Cork Carpet Assy, Ramp ASDE 18002 Decal, Playfield Protectant AACA17001 Cork Carpet Assy, Ramp ASDE 18004 Light Covers, Petg, 26" Long AACA8103-L Carpet Assy, Ball Deflector, Left ASDE 18005 Decal, Ball Socket Light Covers AACA8103-R Carpet Assy, Ball Deflector, Right ASF19010 Filter, Inline AACA8104 Carpet Assy, Bled Resistor Board ASF43850 Handle, For Cash Box AACB15001 PCB. Asy, Blead Resistor Board ASLA3850 Latch, Panel Fastening AACB3850A Sensor Board, Alley Track ASLA3851 Latch, Receptacle End AACB3650A PCB, Power Dist, Board ASLK2001 Lock, Cash Box AACB960SA PCB, Power To Ramp Lights ASME17000 Metal, Drawer Guide Rod AACE17000 Power To Ramp Lights From Head ASME17001 Metal, Tront Cage AACE17001 12v Power To Ramp Lights ASME17005 Metal, Left Ramp Cover, Yellow AACE17004 Ultra Bright Hed Ramp Light ASME17006 Metal, Right Ramp Cover, Yellow AACE17016 Ultra Bright Led Ramp Light ASME17007 Metal, Coin Door Assembly AACE17016 U	A5DE17004-50	Decal, Target Value 50	AABU8101	Bumper For 100/10000 Score Rings		
ASDE17006Decal, Faceplate/DisplayAACA17000Cork Carpet Assy, RampASDE18002Decal, Playfield ProtectantAACA17001Cork Carpet Assy, BalkoboardASDE18004Light Covers, Petg, 26" LongAACA8103-LCarpet Assy, Ball Deflector, LeftASDE18005Decal, Ball Socket Light CoversAACA8103-RCarpet Assy, Ball Deflector, RightASF19010Filter, InlineAACA8104Carpet Assy, Bled Resistor BoardASF08103Foam, Black Neoprene SetAACB18001PCB, Sy, Bleed Resistor BoardASHA3850Handle, For Cash BoxAACB18001PCB, Position Rj12 Pass-ThruASLA3851Latch, Panel FasteningAACB3851ABoard, Alley Score SenASLA3851Latch, Receptacle EndAACB3851ABoard, Alley Score SenASLK2001Lock, Cash BoxAACB17000Power To Ramp LightsASME17002Lock, 7/8"AACE17001Power To Ramp LightsASME15005New Tray Insert 18 Ga GalvAACE17002Power To Payfield Light BarsASME17001Metal, Drawer Guide RodAACE17004Ultra Bright White Marquee LightASME17005Metal, Left Ramp Cover, YellowAACE17004Ultra Bright Led Ramp LightASME17006Metal, Right Ramp Cover, YellowAACE17006Ultra Bright Led Ball Track LightASME17008Metal, Rickt Door AssemblyAACE17016Ultra Bright Led Ball Track Ramp LightASME17009Metal, Ricket Door AssemblyAACE17017Ball Track Ramp Light Power From RampASME17010Metal, Ricket Door AssemblyAACE17016Ultra Bri	A5DE17005	Decal, Backboard	AABU8701	Obstacle Bumpers, Set Of 2		
ASDE18002 Decal, Playfield Protectant AACA17001 Cork Carpet Assy, Backboard ASDE18004 Light Covers, Petg, 26" Long AACA8103-L Carpet Assy, Ball Deflector, Left ASDE18005 Decal, Ball Socket Light Covers AACA8103-R Carpet Assy, Playfield ASF19010 Filter, Inline AACA8104 Carpet Assy, Playfield ASF08103 Foam, Black Neoprene Set AACB15001 PCB Assy, Bleed Resistor Board ASLA3850 Handle, For Cash Box AACB18001 PCB, 7 Position Rj12 Pass-Thru ASLA3851 Latch, Panel Fastening AACB3850A Sensor Board, Alley Score Sen ASLA001 Lock, Cash Box AACB9605A PCB, Door Interface Board ASLK2001 Lock, Cash Box AACE17000 Power To Ramp Lights From Head ASME17000 Metal, Drawer Guide Rod AACE17002 Power To Playfield Light Bars ASME17000 Metal, Right Ramp Cover, Yellow AACE17004 Ultra Bright Hult Rangue Light ASME17006 Metal, Right Ramp Cover, Yellow AACE17005 Communication Cable For Sign ASME17006 Metal, Right Ramp Cover, Yellow AACE17005 Communication Cable For Sign ASME17006 Metal, Rig	A5DE17006	Decal, Faceplate/Display	AACA17000	Cork Carpet Assy, Ramp		
ASDE18004Light Covers, Petg, 26" LongAACA8103-LCarpet Assy, Ball Deflector, LeftASDE18005Decal, Ball Socket Light CoversAACA8103-RCarpet Assy, Ball Deflector, RightASF08103Filter, InlineAACA8104Carpet Assy, PlayfieldASF08103Foam, Black Neoprene SetAACB15001PCB, 7 Position Rj12 Pass-ThruASLA3850Handle, For Cash BoxAACB18001PCB, 7 Position Rj12 Pass-ThruASLA3851Latch, Panel FasteningAACB3850ASensor Board, Alley TrackASLA3851Latch, Receptacle EndAACB3851ABoard, Alley Score SenASLK2001Lock, Cash BoxAACB19605APCB, Power Dist. BoardASLK2002Lock, Cash BoxAACE17000Power To Ramp LightsASME15005New Tray Insert 18 Ga GalvAACE17002Power To Ramp Lights From HeadASME17000Metal, Drawer Guide RodAACE17003Ultra Bright White Marquee LightASME17001Metal, Right Ramp Cover, YellowAACE17004Ultra Bright White Marquee LightASME17007Metal, Left Ramp Cover, YellowAACE17004Ultra Bright Led Ball Track LightASME17009Metal, Circk Door AssemblyAACE17017Ball Track LightASME17010Metal, Ticket Door AssemblyAACE17017Ball Track Ramp Light Led Sall Track LightASME17010Metal, Reait GatektAACE17017Ball Track LightASME17010Metal, Right Ramp Cover, YellowAACE17017Ball Track LightASME17010Metal, Reait GatektAACE17017Ball Track LightASME17019<	A5DE18002	Decal, Playfield Protectant	AACA17001	Cork Carpet Assy, Backboard		
ASDE18005 Decal, Ball Socket Light Covers AACA8103-R Carpet Assy, Ball Deflector, Right ASFI9010 Filter, Inline AACA8104 Carpet Assy, Playfield ASFO8103 Foam, Black Neoprene Set AACB15001 PCB. Assy, Bleed Resistor Board ASHA3850 Handle, For Cash Box AACB18001 PCB. 7 Position Rj12 Pass-Thru ASLA3850 Latch, Panel Fastening AACB3850A Sensor Board, Alley Score Sen ASLD1052 Display Module AACB3851A Board, Alley Score Sen ASLK5002 Lock, Cash Box AACB9605A PCB, Power Dist. Board ASK5020 Lock, 7/8" AACE17000 Power To Ramp Lights From Head ASME17001 Metal, Drawer Guide Rod AACE17001 12v Power To Ramp Lights From Head ASME17001 Metal, Front Cage AACE17003 Ultra Bright Led Ramp Light ASME17001 Metal, Right Ramp Cover, Yellow AACE17006 Ultra Bright Led Ramp Light ASME17007 Metal, Right Ramp Cover, Yellow AACE17016 Ultra Bright Led Ball Track Light ASME17008 Metal, Ticket Door Assembly AACE17016 Ultra Bright Led Ball Track Light ASME17010 Metal, Rail Bracket <t< td=""><td>A5DE18004</td><td>Light Covers, Petg, 26" Long</td><td>AACA8103-L</td><td>Carpet Assy, Ball Deflector, Left</td></t<>	A5DE18004	Light Covers, Petg, 26" Long	AACA8103-L	Carpet Assy, Ball Deflector, Left		
ASFI9010Filter, InlineAACA8104Carpet Assy, PlayfieldASFO8103Foam, Black Neoprene SetAACB15001PCB Assy, Bleed Resistor BoardASH3850Handle, For Cash BoxAACB18001PCB, 7 Position Rj12 Pass-ThruASLA3850Latch, Panel FasteningAACB3850ASensor Board, Alley TrackASLA3851Latch, Receptacle EndAACB3851ABoard, Alley Score SenASLD1052Display ModuleAACB3651APCB, Power Dist. BoardASLK2001Lock, Cash BoxAACB17000Power To Ramp LightsASME15005New Tray Insert 18 Ga GalvAACE1700112v Power To Ramp Lights From HeadASME17000Metal, Drawer Guide RodAACE17002Power To Playfield Light BarsASME17001Metal, Front CageAACE17003Ultra Bright White Marquee LightASME17005Metal, Right Ramp Cover, YellowAACE17004Ultra Bright Led Ramp LightASME17006Metal, Right Ramp Cover, YellowAACE17005Communication Cable For SignASME17008Metal, Curved Front DoorAACE17016Ultra Bright Led Ball Track LightASME17009Metal, Coin Door AssemblyAACE17017Ball Track Ramp Light Power From RampASME17011Metal, Rail BracketAACE18000Display RibbonASME17012Metal, Rail BracketAACE18001Display Power JumperASME17013Metal, Ball Track SideAACE18002Display Power JumperASME17014Metal, Ball Ramp FrontAACE18003Main Board PowerASME17015Metal, Ball Ranp FrontAACE180	A5DE18005	Decal, Ball Socket Light Covers	AACA8103-R	Carpet Assy, Ball Deflector, Right		
ASFO8103Foam, Black Neoprene SetAACB15001PCB Assy, Bleed Resistor BoardASHA3850Handle, For Cash BoxAACB18001PCB, 7 Position Rj12 Pass-ThruASLA3850Latch, Panel FasteningAACB3850ASensor Board, Alley TrackASLA3851Latch, Receptacle EndAACB3851ABoard, Alley Score SenASLD1052Display ModuleAACB3156PCB, Power Dist. BoardASLX2001Lock, Cash BoxAACB9605APCB, Door Interface BoardASLK5002Lock, 7/8"AACE1700112v Power To Ramp LightsASME15005New Tray Insert 18 Ga GalvAACE17002Power To Playfield Light BarsASME17000Metal, Drawer Guide RodAACE17003Ultra Bright Uhite Marquee LightASME17001Metal, Front CageAACE17004Ultra Bright Led Ramp LightASME17005Metal, Left Ramp Cover, YellowAACE17006Ultra Bright Led Ball Track LightASME17006Metal, Right Ramp Cover, YellowAACE17006Ultra Bright Led Ball Track LightASME17008Metal, Corin Door AssemblyAACE17016Ultra Bright Led Ball Track Ramp LightASME17010Metal, Ticket Door FacketAACE17010Cable, 4" Door Ground CableASME17011Metal, Rail BracketAACE18000Display RibbonASME17012Metal, Rail BracketAACE18001Display Power JumperASME17013Metal, Ball Track SideAACE18002Display Power JumperASME17014Metal, Rail Ramp ErontAACE18003Main Board PowerASME17015Metal, Ball Ranep FrontAA	A5FI9010	Filter, Inline	AACA8104	Carpet Assy, Playfield		
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A5ME15005New Tray Insert 18 Ga GalvAACE1700112v Power To Ramp Lights From HeadA5ME17000Metal, Drawer Guide RodAACE17002Power To Playfield Light BarsA5ME17001Metal, Front CageAACE17003Ultra Bright White Marquee LightA5ME17005Metal, Left Ramp Cover, YellowAACE17004Ultra Bright Led Ramp LightA5ME17006Metal, Right Ramp Cover, YellowAACE17005Communication Cable For SignA5ME17007Metal, Curved Front DoorAACE17006Ultra Bright Led Ball Track LightA5ME17008Metal, Ticket Door AssemblyAACE17016Ultra Bright Led Ball Track Ramp LightA5ME17010Metal, Coin Door AssemblyAACE17017Ball Track Ramp Light Power From RampA5ME17010Metal, Rail BracketAACE18000Display RibbonA5ME17011Metal, Rail BracketAACE18001Display Power JumperA5ME17013Metal, Ball Track SideAACE18002Display Power JumperA5ME17014Metal, Ball Ramp FrontAACE18003Main Board PowerA5ME17015Metal, Motor Ball Release BracketAACE18004Communication To I/O Aux BoardA5ME8107Metal, Mesh Cage SideAACE18005Power In From Power Dist BoardA5ME8107Metal, Rear Carpet ClampAACE18007Sensors & Motor Power From RampA5ME8103Metal, Coin Door FrameAACE18007Sensors & Motor Power From RampA5ME8103Metal, Rear Carpet ClampAACE18007Sensors & Motor Power From RampA5ME8103Metal, Rear Carpet ClampAACE18007Senso	A5LK5002	Lock, 7/8"	AACE17000	Power To Ramp Lights		
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A5ME17001Metal, Front CageAACE17003Ultra Bright White Marquee LightA5ME17005Metal, Left Ramp Cover, YellowAACE17004Ultra Bright Led Ramp LightA5ME17006Metal, Right Ramp Cover, YellowAACE17005Communication Cable For SignA5ME17007Metal, Curved Front DoorAACE17006Ultra Bright Led Ball Track LightA5ME17008Metal, Ticket Door AssemblyAACE17016Ultra Bright Led Ball Track Ramp LightA5ME17009Metal, Coin Door AssemblyAACE17017Ball Track Ramp Light Power From RampA5ME17010Metal, Ticket Door BracketAACE1710Cable, 4" Door Ground CableA5ME17011Metal, Rail BracketAACE18000Display RibbonA5ME17012Metal, Front Ramp GuardAACE18001Display Power JumperA5ME17013Metal, Ball Track SideAACE18002Display Power JumperA5ME17014Metal, Ball Ramp FrontAACE18003Main Board PowerA5ME8107Metal, Mesh Cage SideAACE18005Power In From Power Dist BoardA5ME8123Metal, Rear Carpet ClampAACE18007Sensors & Motor Power From RampA5ME8616Metal, Coin Door FrameAACE18007Sensors & Motor Power From RampA5ME8107Metal, Rear Carpet ClampAACE18007Sensors & Motor Power From RampA5ME8123Metal, Coin Door FrameAACE18007Sensors & Motor Power From RampA5ME8106Metal, Rob Door FrameAACE18007Sensors & Motor Power From Ramp	A5ME17000	Metal, Drawer Guide Rod	AACE17002	Power To Playfield Light Bars		
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A5ME17006Metal, Right Ramp Cover, YellowAACE17005Communication Cable For SignA5ME17007Metal, Curved Front DoorAACE17006Ultra Bright Led Ball Track LightA5ME17008Metal, Ticket Door AssemblyAACE17016Ultra Bright Led Ball Track Ramp LightA5ME17009Metal, Coin Door AssemblyAACE17017Ball Track Ramp Light Power From RampA5ME17010Metal, Ticket Door BracketAACE17010Cable, 4" Door Ground CableA5ME17011Metal, Rail BracketAACE18000Display RibbonA5ME17012Metal, Front Ramp GuardAACE18001Display Power JumperA5ME17013Metal, Ball Track SideAACE18002Display Power JumperA5ME17014Metal, Ball Ramp FrontAACE18003Main Board PowerA5ME17015Metal, Motor Ball Release BracketAACE18005Power In From Power Dist BoardA5ME8107Metal, Rear Carpet ClampAACE18007Sensors & Motor Power From HeadA5ME8616Metal, Coin Door FrameAACE1800812V DBA Power	A5ME17005	Metal, Left Ramp Cover, Yellow	AACE17004	Ultra Bright Led Ramp Light		
A5ME17007Metal, Curved Front DoorAACE17006Ultra Bright Led Ball Track LightA5ME17008Metal, Ticket Door AssemblyAACE17016Ultra Bright Led Ball Track Ramp LightA5ME17009Metal, Coin Door AssemblyAACE17017Ball Track Ramp Light Power From RampA5ME17010Metal, Ticket Door BracketAACE17010Cable, 4" Door Ground CableA5ME17011Metal, Rail BracketAACE18000Display RibbonA5ME17012Metal, Front Ramp GuardAACE18001Display Power JumperA5ME17013Metal, Ball Track SideAACE18002Display Power JumperA5ME17014Metal, Ball Ramp FrontAACE18003Main Board PowerA5ME17015Metal, Motor Ball Release BracketAACE18004Communication To I/O Aux BoardA5ME8107Metal, Rear Carpet ClampAACE18006Sensors & Motor Power From HeadA5ME8616Metal, Coin Door FrameAACE18007Sensors & Motor Power From RampACE1800812V DBA Power	A5ME17006	Metal, Right Ramp Cover, Yellow	AACE17005	Communication Cable For Sign		
A5ME17008Metal, Ticket Door AssemblyAACE17016Ultra Bright Led Ball Track Ramp LightA5ME17009Metal, Coin Door AssemblyAACE17017Ball Track Ramp Light Power From RampA5ME17010Metal, Ticket Door BracketAACE1710Cable, 4" Door Ground CableA5ME17011Metal, Rail BracketAACE18000Display RibbonA5ME17012Metal, Front Ramp GuardAACE18001Display Power JumperA5ME17013Metal, Ball Track SideAACE18002Display Power JumperA5ME17014Metal, Ball Ramp FrontAACE18003Main Board PowerA5ME17015Metal, Motor Ball Release BracketAACE18004Communication To I/O Aux BoardA5ME8107Metal, Rear Carpet ClampAACE18006Sensors & Motor Power From HeadA5ME8616Metal, Coin Door FrameAACE18007Sensors & Motor Power From RampA2AACE1800812V DBA Power	A5ME17007	Metal, Curved Front Door	AACE17006	Ultra Bright Led Ball Track Light		
A5ME17009Metal, Coin Door AssemblyAACE17017Ball Track Ramp Light Power From RampA5ME17010Metal, Ticket Door BracketAACE1710Cable, 4" Door Ground CableA5ME17011Metal, Rail BracketAACE18000Display RibbonA5ME17012Metal, Front Ramp GuardAACE18001Display Power JumperA5ME17013Metal, Ball Track SideAACE18002Display Power JumperA5ME17014Metal, Ball Ramp FrontAACE18003Main Board PowerA5ME17015Metal, Motor Ball Release BracketAACE18004Communication To I/O Aux BoardA5ME8107Metal, Rear Carpet ClampAACE18006Sensors & Motor Power From HeadA5ME8616Metal, Coin Door FrameAACE18007Sensors & Motor Power From RampA2AACE1800812V DBA Power	A5ME17008	Metal, Ticket Door Assembly	AACE17016	Ultra Bright Led Ball Track Ramp Light		
A5ME17010Metal, Ticket Door BracketAACE1710Cable, 4" Door Ground CableA5ME17011Metal, Rail BracketAACE18000Display RibbonA5ME17012Metal, Front Ramp GuardAACE18001Display Power JumperA5ME17013Metal, Ball Track SideAACE18002Display Power JumperA5ME17014Metal, Ball Ramp FrontAACE18003Main Board PowerA5ME17015Metal, Motor Ball Release BracketAACE18004Communication To I/O Aux BoardA5ME8107Metal, Mesh Cage SideAACE18005Power In From Power Dist BoardA5ME8123Metal, Rear Carpet ClampAACE18007Sensors & Motor Power From HeadA5ME8616Metal, Coin Door FrameAACE1800812V DBA Power	A5ME17009	Metal, Coin Door Assembly	AACE17017	Ball Track Ramp Light Power From Ramp		
A5ME17011Metal, Rail BracketAACE18000Display RibbonA5ME17012Metal, Front Ramp GuardAACE18001Display Power JumperA5ME17013Metal, Ball Track SideAACE18002Display Power JumperA5ME17014Metal, Ball Ramp FrontAACE18003Main Board PowerA5ME17015Metal, Motor Ball Release BracketAACE18004Communication To I/O Aux BoardA5ME8107Metal, Mesh Cage SideAACE18005Power In From Power Dist BoardA5ME8123Metal, Rear Carpet ClampAACE18006Sensors & Motor Power From HeadA5ME8616Metal, Coin Door FrameAACE18007Sensors & Motor Power From RampAACE1800812V DBA Power	A5ME17010	Metal, Ticket Door Bracket	AACE1710	Cable, 4" Door Ground Cable		
A5ME17012Metal, Front Ramp GuardAACE18001Display Power JumperA5ME17013Metal, Ball Track SideAACE18002Display Power JumperA5ME17014Metal, Ball Ramp FrontAACE18003Main Board PowerA5ME17015Metal, Motor Ball Release BracketAACE18004Communication To I/O Aux BoardA5ME8107Metal, Mesh Cage SideAACE18005Power In From Power Dist BoardA5ME8123Metal, Rear Carpet ClampAACE18006Sensors & Motor Power From HeadA5ME8616Metal, Coin Door FrameAACE18007Sensors & Motor Power From RampA2A4CE1800812V DBA Power	A5ME17011	Metal, Rail Bracket	AACE18000	Display Ribbon		
A5ME17013Metal, Ball Track SideAACE18002Display Power JumperA5ME17014Metal, Ball Ramp FrontAACE18003Main Board PowerA5ME17015Metal, Motor Ball Release BracketAACE18004Communication To I/O Aux BoardA5ME8107Metal, Mesh Cage SideAACE18005Power In From Power Dist BoardA5ME8123Metal, Rear Carpet ClampAACE18006Sensors & Motor Power From HeadA5ME8616Metal, Coin Door FrameAACE18007Sensors & Motor Power From RampAACE1800812V DBA Power	A5ME17012	Metal, Front Ramp Guard	AACE18001	Display Power Jumper		
A5ME17014Metal, Ball Ramp FrontAACE18003Main Board PowerA5ME17015Metal, Motor Ball Release BracketAACE18004Communication To I/O Aux BoardA5ME8107Metal, Mesh Cage SideAACE18005Power In From Power Dist BoardA5ME8123Metal, Rear Carpet ClampAACE18006Sensors & Motor Power From HeadA5ME8616Metal, Coin Door FrameAACE18007Sensors & Motor Power From RampAACE1800812V DBA Power	A5ME17013	Metal, Ball Track Side	AACE18002	Display Power Jumper		
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A5ME8107 Metal, Mesh Cage Side AACE18005 Power In From Power Dist Board A5ME8123 Metal, Rear Carpet Clamp AACE18006 Sensors & Motor Power From Head A5ME8616 Metal, Coin Door Frame AACE18007 Sensors & Motor Power From Ramp AACE18008 12V DBA Power	A5ME17015	Metal, Motor Ball Release Bracket	AACE18004	Communication To I/O Aux Board		
A5ME8123 Metal, Rear Carpet Clamp AACE18006 Sensors & Motor Power From Head A5ME8616 Metal, Coin Door Frame AACE18007 Sensors & Motor Power From Ramp AACE18008 12V DBA Power	A5ME8107	Metal, Mesh Cage Side	AACE18005	Power In From Power Dist Board		
A5ME8616 Metal, Coin Door Frame AACE18007 Sensors & Motor Power From Ramp AACE18008 12V DBA Power	A5ME8123	Metal, Rear Carpet Clamp	AACE18006	Sensors & Motor Power From Head		
AACE18008 12V DBA Power	A5ME8616	Metal, Coin Door Frame	AACE18007	Sensors & Motor Power From Ramp		
			AACE18008	12V DBA Power		

PARTS LIST						
PART #	DESCRIPTION	PART #	DESCRIPTION			
AACE18009	12V Coin Door Power From Ramp	W5HG1070	Hinge, 18", Single Bend			
AACE18010	12V Coin Door Power From Head	W5TM4006	T-Molding,13/16",Yellow			
AACE18011	5V Display Power	WACA15041-H	Ticket Tray Handle			
AACE18012	Speaker Power From Head	WACA17009	Right Playfield Hook			
AACE18013	Speaker Power From Ramp	WACA17012	Front Head Trim			
AACE18014	Ticket Dispenser And Coin Door	WACA17013	Smartboard Guide Hook, Left			
AACE18015	Menu Buttons & Counters	WACA17014	Smartboard Guide Hook, Right			
AACE18016	Line Filter To Stud Grnd	WACA17020	Foot Pad			
AACE18017	Right Ramp And Coin Door Ground	WACA17021	Playfield Stopper			
AACE18018	Left Ramp And Ticket Ground	WACA17023	Smartboard Guide			
AACE18019	Playfield Sensor #1 From Head	WACA17024	Back Door Cover			
AACE18020	Playfield Sensor #2 From Head	WACA17025	Display Frame			
AACE18021	Playfield Sensor #3 From Head	WACA17027	Light Display Frame			
AACE18022	Playfield Sensor #4 From Head	WACA17031	Display Acrylic			
AACE18023	Playfield Sensor #5 From Head	WACA17032	Display Acrylic Cover			
AACE18024	Playfield Sensor #6 From Head	WACA17033	Outer Front Window			
AACE18025	Playfield Sensor #7 From Head	WACA17034	Inner Front Window			
AACE18026	Playfield Sensor #1 From Pf	WACA17035	Left Outer Harp			
AACE18027	Playfield Sensor #2 From Pf	WACA17036	Left Inner Harp			
AACE18028	Playfield Sensor #3 From Pf	WACA17037	Left Side Outer Window			
AACE18029	Playfield Sensor #4 From Pf	WACA17038	Right Side Outer Window			
AACE18030	Playfield Sensor #5 From Pf	WACA17039	Right Outer Harp			
AACE18031	Playfield Sensor #6 From Pf	WACA17040	Right Inner Harp			
AACE18032	Playfield Sensor #7 From Pf	WACA17056	Back Ball Track			
AACE18033	Power To Marquee Light	WACA17057	Front Ball Track			
AACE18034	Power Switch To Power Supply	WACA17058	Front Door			
AACE18035	Power Switch To Line Filter	WACA17059	Front Door Stopper			
AACE18077	Front Door Hinge To Stud	WACA17062	Ticket Door Bottom			
AACE8811A	Cable Assy, Speaker	WACA17063	Drawer Guide			
AACM-AS-COMP	Coin Mechanism	WACA17064	Ticket Door Stabilizer			
AACO1020	Counter Assy	WACA17065	Stabilizer Front			
AALB17007	Playfield Light Bar	WACA17066	Hinge Plate			
AALB17008	Playfield Light Bar	WACA17067	Ticket Door Brace			
AAMB18000-SBC	Main Board, 2020 Classic Alleys	WACA17070	Left Ramp Bumper			
AAME17016	DBA Blanking Plate w/plug	WACA17071	Right Ramp Bumper			
AAMO18000	Motor, Ball Release With Cotter Pin	WACA17077	Coin Door Bottom			
AAPB2700	Push Button Assembly	WACA17080	Ball Track Window			
AASW200	Low Ticket Switch	WACA17083	Ball Track Frame			
AATA17000-10	U Shaped Target Ring	WACA17084	Ball Release Motor			
AATA17000-100L	100 Point Target Left Ring	WACA17085	Access Door			
AATA17000-100R	100 Point Target Right Ring	WACA17091	Middle Ball Track			
AATA17000-20	Large Circle W/10 Decal	WACA17093	Light Cable Cover			
AATA17000-30	30/20 Point Target Ring	WACA17094	On/Off Switch Plate			
AATA17000-40	40 Point Target Ring	WACA17095	Playfield Ball Stop			
AATA17000-50	50 Point Target Ring	WACA17096	Left Plavfield Hook			

PARTS PICTURES



PARTS PICTURES



A5PS1013

AACB3850A

AA

AACB3851A

AACB5156

AACB9605A

AAMB18000-SBC

DECAL DIAGRAM



REPAIR/MAINTENANCE LOG

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

DATE	MAINTENANCE PERFORMED	PARTS ORDERED	MISC.



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.

<u>Advance Replacement</u> – 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!

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

Technical Support:

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

troubleshooting steps and convey to them exactly what's happening with your game.

Returns & Credits:

Sometimes the issue isn't what it seemed to be. If you 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 Games 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 2 years from the date of manufacture.

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

SIGN MANUAL SUPPLEMENT







SKEEBALL CLASSIC SIGN BOARD PINOUT



SIGN LIGHTS AND DISPLAY WIRING DIAGRAM



SKEEBALL SIGN LINKING GAMES & BELL



Cables must be run in correct order to ensure smooth scrolling of message and proper menu access. Game #1 is the far right game.

AACE17005 Cables from Games



SKEEBALL SIGN POWER IN



TROUBLESHOOTING GUIDE				
Problem	Probable Cause	Remedy		
	Unplugged.	Check wall outlet to line filter in back of sign. (A5FI9010)		
No nower to the	Faulty Line Filter	Replace Line Filter. (A5FI9010)		
sign	Faulty Cable	Refer to wiring diagram. Check cable CE18072		
	Rocker Switch on side of sign or power supply turned off, or plugs unplugged.	Check rocker switch on side of sign. Check rocker switch on power supply. Ensure power cords are pushed up into the back of the power supply and line filter securely.		
	Circuit breaker tripped	Reset power strip breaker switch or building circuit breaker. Attempt to determine cause.		
	Bad power supply.	Refer to Motherboard/Power Supply Diagnostics		
Light bulbs on	LED bulb faulty	Bulbs receive 1 cable of 12 VDC from Power Dist Board with signal to flash from motherboard. Another 12 VDC power from the Power Dist Board is also needed. Lights are daisy chained so if one light goes out the remaining bulbs will not light.		
front of sign do not light up There are 36	Faulty Cable	If all lights are out, check cables from first bulb to Power Distribution Board and motherboard. Refer to wiring diagram for the cable path.CE17008, CE17014 Check for 12 volts DC on CE17008, CE17015, & CE17007		
A5LD18001 bulbs		If the bulbs have stopped flashing, check cable CE17008 to motherboard.		
		If the bulbs do not work after a certain point, there is a faulty bulb. Part # A5LD18001. It may be the last lit bulb or the next bulb in the series.		
		If all bulbs do not work, check power into bulb, and replace bulb. Part # A5LD18001		
Outside edge	Faulty Cable	Check cable from LED strip to Motherboard. Refer to wiring diagram for the cable path. CE17011 & CE17009.		
not work	LED strip faulty	Remove and examine LED strip. Replace if needed. Part # CE17011		
White marquee	Faulty Cable	Check cables from LED to Power Distribution Board (CE17012, CE17010)		
lighting not working	Verify 12 Volts DC	Check for 12 volts DC on CE17010 on Power Dist. Board		
	LED strip faulty	Replace LED strip. AACE17012		
Display not working	Pinched, broken, or disconnected wiring.	Refer to wiring diagram. Ensure 5 volts DC on CE18062, CE18070 & CE18069 cables from power distribution board. Check communication ribbon cable from Motherboard to Display Boards. Part # CE18068		
	Faulty Display Module	Swap display modules inside cabinet to isolate the issue. Replace display if needed. A5LD1052		
Bell not working	Pinched, broken, or disconnected wiring.	Enter menu and scroll to Test Ball Release N11. Press Menu Select button to engage ball release and bell. Ensure 12 volts DC on CE17018, Press Menu Select again to turn off bell.		
	Faulty Bell	Replace bell. Part # AABE18000		

HOW TO LINK GAMES



Important:



Cables must be run in correct order to ensure smooth scrolling of message and proper menu access.

Game #1 is the far right game.

Bring the phone cable from the top of each alley (Part # AACE17005) and plug into the bottom of the Interface board as shown.

The phone cables must plug into the left side of the board as shown.