

OWNERS AND SERVICE MANUAL INNOVATIVE CONCEPTS IN ENTERTAINMENT INC.

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SAFETY AND WARNINGS BEFORE YOU BEGIN

WARNING: WHEN INSTALLING THIS GAME, A GROUNDED A.C. RECEPTACLE MUST BE USED. FAILURE TO DO SO COULD RESULT IN INJURY TO YOURSELF OR OTHERS. FAIL-URE TO USE A GROUNDED RECEPTACLE COULD ALSO CAUSE IMPROPER GAME OP-ERATION, OR DAMAGE TO THE ELECTRONICS.

NOTE: THIS GAME IS INTENDED FOR INDOOR USE ONLY.

DO NOT DEFEAT OR REMOVE THE GROUNDING PRONG ON THE POWER CORD FOR THE SAME REASON AS GIVEN ABOVE. USING AN IMPROPERLY GROUNDED GAME COULD VOID YOUR WARRANTY.

HAVE A QUALIFIED ELECTRICIAN CHECK YOUR A.C. RECEPTACLE TO BE SURE THE GROUND IS FUNCTIONING PROPERLY.

THIS GAME IS DESIGNED TO DISSIPATE STATIC ELECTRICITY THROUGH THE GROUND-ING PLANE OF THE GAME. IF THE A.C. GROUND DOES NOT WORK, THE GAME COULD DISCHARGE STATIC ELECTRICITY THROUGH THE GAME CIRCUITRY, WHICH COULD CAUSE DAMAGE.

THE POWER SUPPLY IS NOT VOLTAGE ADJUSTABLE. TO OPERATE THE GAME AT VOLT-AGES OTHER THAN THOSE IT WAS DESIGNED FOR. PLEASE CONTACT OUR SERVICE DEPARTMENT FOR VOLTAGE CONVERSION INFORMATION.

WARNING

DO NOT remove any of the components on the main board (e.g. compact flash and eproms) while the game is powered on. This may cause permanent damage to the parts and the main board. Removing any main board component part while powered on will void the warranty.

ALWAYS REMOVE POWER TO THE GAME, BEFORE ATTEMPTING ANY SERVICE, UNLESS NEEDED FOR SPECIFIC TESTING. FAILURE TO OBSERVE THIS PRECAUTION COULD RESULT IN SERIOUS INJURY TO YOURSELF OR OTHERS. Getting Started Loading paper

Step 1:

Pull the paper tray completely out of the printer.



Step 2:

While pressing the blue paper-guide release lever (1), slide the paper guides to fit the paper size. Make sure that the guides are firmly in the slots.

Step 3:

Put paper in the tray and make sure that the paper is below the maximum paper mark ($\nabla \nabla \nabla$). The side to be printed on must be face down.



IMPORTANT

Make sure the paper guides touch the sides of the paper so it will feed properly.

Step 4:

Put the paper tray firmly back in the printer. Make sure that it is completely inserted into the printer.

Getting Started, Part 2 Installing the Toner cartridge

Step 1:

Unpack the new toner cartridge. Gently shake it from side to side several times to distribute the toner evenly inside the cartridge



IMPORTANT

Wait to unpack the toner cartridge until immediately before you put it in the printer. If toner cartridges are left unpacked for a long time the toner life will be shortened.

If an unpacked drum unit is put in direct sunlight or room light, the unit may be damaged.

Step 2: CAUTION

Put the toner cartridge in the drum unit immediately after you have removed the protective cover. To prevent any degradation to the print quality, DO NOT touch the shaded parts shown in the illustrations.





Step 3: Pull off the protective cover.



A/C Connection Plugging in the AC power

This game is designed to use a floor AC power receptacle with at least 10 amps available. The AC power connection is located inside the cabinet and is accessed through the back door. Open the back door and locate the power module. Insert the AC power cord into the power module and then plug the other end through the bottom access hole to a AC power receptacle. Turn the AC power switch to "1" to power on the







Printer Care LED Codes and their meaning	Back	
There are five LEDs found on the printer. They are as follows:	Toner	
	Drum	
Back Cover LED This indicates when errors occur in the back of the printer.	Paper	
Toner LED - This indicates when the toner is low or at the end of its life.	Status	
Drum LED - This indicates when the drum is nearing the end of its life.		
Paper LED - This indicates when the printer is in one of the following stats: A) No paper B) Paper jam C) Cover open		
Status LED This will flash depending on the printer status.		
The LED indications shown in the table below are used in the next few i	llustrations.	
LED is off.		
The LED is dimmed.		
or or LED is on.		
LED is blinking.		
 Back Cover Drum Drum Paper Status 		
Back Cover Toner		
 Drum The printer is ready to print Paper 		
Status		

Printe	er Ca Codes	are and their meaning (Cont)
	Back Cover Toner Drum Th	arming ne printer is warming up. ne status LED will turn on for 1 second and off for 1 second.
-	Status	
	Back Cover Toner Drum	eceiving data :The status LED will turn on for .5 seconds and off for .5 seconds. The printer is either receiving data from the computer, processing data in memory or inting the data.
	Paper C Th Status CO	boling down : The status LED will turn on for 1 second and off for 1 second. The printer is cooling down. Wait for a few seconds until inside of the printer has poled down.
	Back Cover Toner Drum Paper	ata remaining in memory nere is remaining print data in the printer memory. If the yellow Status LED is on for long time and nothing has printed, press GO to print the remaining data in memory.
	Back Cover TC Toner Inc Drum ha Paper Status	oner Low : The status LED will turn on for 2 seconds and off for 3 seconds. dicates that the toner carridge is near the end of life. Buy a new toner cartridge and ave it ready for when Replace Toner is indicated.
	Back Cover Toner Drum Paper Status	eplace toner eplace the toner cartridge with a new one. artridge error ne drum unit assembly is not installed correctly. Take the drum unit out of the ma- nine and put it back in. o Toner pen the front cover, install the toner cartridge.
	Back Cover Di Toner Th Drum tO	rum life will end soon he drum unit is near the end of its life. It is recommended to obtain a new drum unit replace the current one.
	Paper Tł Status	he drum LED will turn on for 2 seconds and off for 3 seconds.

Printer Care			
I ED Codes and their meaning (Cont)			
	000		
	Back Cover	Replace drum	
	Toner	Replace the drum with a new one.	
	Drum		
	Paper		
	Status		
	Back Cover	No Paper	
	Toner	Put paper in the tray. Press GO to clear error.	
	Drum		
	Paper		
	0		
	Status		
	Back	No tray : The paper tray was not detected, install it, or ensure it is inserted correctly.	
	Cover	Dence Jerry The paper I ED will turn on for E accords and off for E accords	
	Drum	Clear the paper iam. If the printer does not start printing press GO	
	Paper	olear the paper jam. In the printer does not start printing, press do.	
0			
	Status		
-	Back		
	Cover	Clear the paper ism. The back sever LED will turn on for E seconds and off for OE	
0	Drum	seconds	
	Drum		
- -	Paper		
	Status		
	Back Cover	Fuser cover is open:	
	Toner	Back cover LED will turn on for .5 seconds and off for .5 seconds.	
	Drum	Close the fuser cover which can be found behind the back cover of the printer.	
	Paper		
	Status		
	Clarad		
	Back		
	Cover	Drum error	
	Drum	The corona wire needs to be cleaned.	
	Paper	If your LED's still shows the same error indication after you have cleaned the corona	
		wire replace the drum unit with a new one	
	Status		

Printer Care			
LED Codes and their meaning (Cont)			
Back Cover	Front cover is open Close the front cover of the printer.		
DrumPaper	Too many trays Maximum number of optional trays is two. Remove additional trays.		
Status	Buffer error Check cable connection between the pc and printer.		
	Memory full The printer memory is full and the printer cannot print full pages of a document.		
	Print overrun A print overrun occurred and the printer cannot print full pages of a document.		
	Download full The download buffer of the printer is full. Add more memory to the printer.		
	Front full The font memory are is full. Delete fonts or add more memory to the printer.		

Printer Care LED Codes and their meaning (Cont)

Service call indications

If there is an error that cannot be cleared by the user, the printer will show that a service call is needed by lighting up all the LEDs as shown below.



If you see the service call indication shown above, turn off the power switch, and then turn it back on and try to print again.

If the error is not cleared after turning the power switch off and then back on, press **Go** and **Job Cancel** together, the LEDs will light up as shown in the table below to identify the error.

LED error indication

LEDs	Fuser unit failure ¹	Main PCB failure	Laser unit failure	Main motor failure	High voltage failure	DIMM error	FAN Failure
Back Cover							
Toner							
Drum							
Paper							
Status							

If this error occurs, turn off the printer power switch, wait a few seconds, and then turn it on again. Leave the printer for 15 minutes with the power on. If the error occurs again, call your dealer or Brother Customer Service.

Toner cartridge

The life of the original toner cartridge that came with the printer may be either a standard ¹ or high yield toner cartridge ², and depends on the model and country you bought the printer in.

- Standard toner cartridges print approximately 3,000 A4 or Letter-size single-sided pages. Approx. cartridge yield is declared in accordance with ISO/IEC 19752.
- ² High yield toner cartridges print approximately 8,000 A4 or Letter-size single-sided pages. Approx. cartridge yield is declared in accordance with ISO/IEC 19752.

Note

- · The amount of toner used varies according to what is printed on the page and the print density setting.
- If you change the print density setting for lighter or darker printing, the amount of toner used will change.
- · Wait to unpack the toner cartridge until immediately before you put it into the printer.

Toner Low message

The Toner LED will turn on for 2 seconds and off for 3 seconds and repeats this pattern.



If the LED shows this message, the toner cartridge is near the end of its life. Buy a new toner cartridge and have it ready before you get a Replace Toner message. To replace the toner cartridge, see *Replacing the toner cartridge* on page 95.

Note

The Toner LED will blink continuously if the toner cartridge is near the end of its life.

Replace Toner message

The printer will stop printing until you replace the toner cartridge with a new one.



Replacing the toner cartridge

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Note
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- To ensure high quality printing, we recommend that you use only genuine Brother toner cartridges. When you want to buy toner cartridges, call your dealer.
- We recommend that you clean the printer when you replace the toner cartridge. See *Cleaning* on page 106.

Make sure that the printer is turned on. Open the front cover.



2 Take out the drum unit and toner cartridge assembly.



IMPORTANT

We recommend that you put the drum unit and toner cartridge assembly on a piece of disposable paper or cloth in case you accidentally spill or scatter toner.

To prevent damage to the printer caused by static electricity, DO NOT touch the electrodes shown in the illustration.



3 Push down the blue lock lever and take the toner cartridge out of the drum unit.



DO NOT put a toner cartridge into a fire. It could explode, resulting in injuries.

DO NOT use flammable substances, any type of spray an organic solvent/liquids contains alcohol or ammonia to clean the inside or outside of the printer. Doing this may cause a fire or electrical shock. See *Cleaning* on page 106 for how to clean the printer.

Be careful not to inhale toner.

IMPORTANT

Handle the toner cartridge carefully. If toner scatters on your hands or clothes, wipe or wash it off with cold water at once.

To avoid print quality problems, DO NOT touch the shaded parts shown in the illustrations.





Note

- Be sure to seal up the toner cartridge tightly in a bag so that toner powder does not spill out of the cartridge.
- Go to <u>http://www.brother-usa.com/environment/</u> for instructions on how to return the used toner cartridge to the brother collection program. If you choose not to return your used toner cartridge, please discard the used toner cartridge according to local regulations, keeping it separate from domestic waste. If you have questions, call your local waste disposal office.





Mirror Care

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The mirrors on this game is made of plastic. The mirrors should only be cleaned with a nonammonia glass cleaner. The use of ammonia cleaner will fog the plastic finish of the mirrors and void any warranty of the material.

Mirror Replacement - Back Mirror



Step 1:

Open the back door of the game and locate the I/O board. Located above and below the I/O board are two bolts. Loosen them but do not remove them.

Step 2:

Close the back door and remove the three bolts that hold the top bracket onto the back door.



Step 3:

Remove the back side braces by removing four bolts on each side. The mirror sits in a grove at the bottom.



Front Glass Removal



Step 1:

Remove both the top bracket and marquee back panel. To remove the top bracket, remove the four screws shown on the left. To remove the marquee back, remove the four mounting screws.

Step 2:

The mirror is removed by pushing the mirror straight up through the slot that is between the front cabinet and marquee.

Monitor removal



Step 1:

Open the back door and remove the four nuts that hold the monitor mounting assembly plate to the cabinet. The picture shows one side of the cabinet missing for clarity.

Step 2:

Disconnect the monitor input cable and AC power cord to the monitor and remove the monitor assembly out the back.





Step 3:

Remove the four bolts that hold the bracket to the monitor .

Printer removal



Step 1:

Open the back door and remove the four screws that hold the mounting bracket that secures the printer to the printer shelf. Disconnect the USB cable and power connector to the printer.



Step 2:

Lift the printer up and over the cleats to remove it from the cabinet.

Central Cabinet Cooling Fan Removal

Open the back door and disconnect the AC power connector to the fan. Use a socket to secure the nut from spinning and remove the four mounting bolts from the top of the cabinet. The fan is removed from inside the cabinet and comes out the back.



TROUBLESHOOTING

Power supply

The power supply is a ICE part number UC2010. Only the +12 volt output is used.

Orange wires are +12 volts of DC.

Black wires are grounds.



Checking DC Voltages

+12 Volt Test with Volt meter set to DC voltage. Voltage range can be plus or minus 5%.





Step 1

Press the discretionary button, then the main menu of the OSD appears.

Step 2

To access a control, use the corresponding buttons.

Step 3

Use the left and right arrow buttons to adjust the image to the desired level.

Step 4 Use the Enter button to select other sub-menu items.

Step 5 Press the exit button to exit the osd. Computer recovery

Step 1: Open the back door and plug in the keyboard.

Step 2: Turn power on to the game.

Step 3: Press the eject button on the DVD drive.

Step 4: Turn power off on the game, wait 10 seconds, then turn the power back on.

Step 5: Follow the on screen instructions.

Step 6: When prompted, eject the disk and disconnect the keyboard.

Step 7: Turn power off on the game, wait 10 seconds, then turn the power back on.

Adjusting camera:

Step 1. Open the back door of game.

Step 2. Press the red button located on the back door near PCB

Step 3. Follow the on screen instructions

Step 4. Follow the "Mechanical adjustment of camera" instructions are listed below.

Step 5. Exit the setup mode by pressing the center button on the front door.

Mechanical adjustment of camera: See pictures at the end.

To align the camera you will use the target decal located on the chair. The Image of the decal should match up with the green circle on the LCD display. Check the LCD screen and confirm that the 2" diameter decal is inside the green circle.

Step 1. In order for you to be able to adjust the camera, remove the following items:

a. Front glass

b. Front bezel

(NOTE TO REMOVE RED LED FROM REAR OF BEZEL BEFORE LIFTING BEZEL)

- c. Back of marquee
- d. Metal guards near marquee (2 pcs)
- Step 2. Adjust the camera left or right by using the 2 bolts mounted to the camera bracket.
- Step 3. Adjust the camera up or down by first loosening the back bolt on the camera mount and Then loosen the middle bolt in the front of the camera mount.

Important:

Once the camera has been adjusted all bolts must be tightened. Be sure to maintain the alignment shown on the LCD screen during tightening.

Step 4. SLIDE THE BEZEL BACK INTO POSITION

Step 5. Exit the set up menu by pressing center button on front panel

FINAL

Before installing the Glass, check each effect "stretch", "mirrorama", "squeeze" and print out a sample picture of each. Be sure the printed image is clear and the camera is not taking a picture of the inside of the bezel opening. This will be apparent if large areas of black or dark grey are showing on the printed image.

NOTE: The target decal is a 2" diameter circle with characters face printed in Black and White which is located 11.25 inches from the inside of the left chair side and 24.5 inches from the top of the chair seat.





Computer - Setting the Time & Date

Step 1: Disconnect the USB cable to the computer from the I/O board

Step 2: Connect a keyboard and mouse.

Step 3: Turn off the game, wait 10 seconds, then turn the game back on.

Step 4: When it has loaded to the desktop, left click on the clock located at the top right corner.

Step 5: Change the date and time.

Step 6: Connect the USB cable from the I/O board back into the computer.

Step 7: Turn off game, wait 10 seconds, then turn the game back on.

Step 8: Game will load normally, disconnect the keyboard and mouse at this time.

I/O board replacement

Open the back door to access the I/O board. Unplug all connectors from the I/O board. Each wire connector has a labeled to indicate where it plugs into the I/O board's connectors. Remove the four plastic standoffs found at each corner to remove the I/O board from the cabinet. Reassemble in reverse order.



Marquee illumination

To access the PLL bulbs located in the marquee, remove the 3 bolts that hold the marquee graphic panel to the cabinet. Their location is shown with the arrows below.

WARNING To Reduce The Risk Of Fire Use 18 Watt PL-L Bulbs





WARNING To Reduce The Risk Of Fire Use 18 Watt PL-L Bulbs

Spare Parts List

Mechanical spares:

176	Coin mech (.984/.950)Dennis said to re-	PZ7100	Cabinet left side decal
move		PZ7101	Cabinet right side decal
201	I-molding Chrome 25/32	PZ7102	Left side seat decal
CG5014	T Handle	PZ7103	Right side seat decal
PZ3006	Seat mirror	PZ7105	Cabinet front decal
PZ3032	Rear door mirror	PZ7106	Cabinet lower decal
PZ3033	Left & Right mirror	PZ7107	Cabinet kick plate cover mat
PZ3027	Monitor glass	PZ7108	Monitor Plaque mat
5006	Cash box for over/under door	PZ7009	Camera test gridRemove from all
PZ1034	Paper Tray	manuals	3
PZ1035	Paper Guide	PZ7110	Bezel
		PZ7111	Seat back decal

Electronic spares:

2007	Speaker (4" 8 ohm speaker)
E02289	Red push button (volume)
8453	Bulb PL-L 18W/41
BA2000KB	USB keyboard
CG2027	Power cord 9' 10"
E00414PZX	Blue 9 LED strip assembly
MON23LG	Monitor
PZ2190X	Restore Disc
HD2364	120VAC fan for cabinet
PH2000M	USB mouse
PZ2100X	HOM computer
PZ2001	Printer
PZ2004	Blue square button
PZ2005	Orange square button
PZ2006	Red square button
PZ2007X	10 amp power module assembly (110V only)
E02259	10 amp fuse, slow blow type (110V only)
PZ2107X	5 amp power module assembly (220V only)
E00708	5 amp fuse, slow blow type (220V only)
PC20224	12V counter meter
PZ8384X	Ballast assembly work horse 5
SG2034X	USB I/O
UC2010	Power supply
WC2005	Oval yellow button
MS2002CEAX	Transformer Assembly

Graphics decals:

FZ/100	Capillet left side decai
PZ7101	Cabinet right side decal
PZ7102	Left side seat decal
PZ7103	Right side seat decal
PZ7105	Cabinet front decal
PZ7106	Cabinet lower decal
PZ7107	Cabinet kick plate cover mat
PZ7108	Monitor Plaque mat
PZ7009	Camera test gridRemove from a
manuals	-
PZ7110	Bezel
PZ7111	Seat back decal
PZ7114	Target decal
PZ7104	Kickplate-Seat
PZ7107	Kickplate-Door
PZ7115	SeatSide-Lower
PZ7127	Marquee Front
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WARRANTY POLICY

I.C.E. Inc warrants all components in new machines to be free of defects in materials and workmanship for the period listed below:

- 180 days on Main PCB's, Computers & Motors
- 1 year on all LCD monitor panels
- 90 days on all other electronic and mechanical components
- 30 days on all I.C.E. repairs and parts purchases

I.C.E. Inc shall not be obligated to furnish a warranty request under the following conditions:

- Equipment or parts have failed through normal wear and tear
- Equipment has been subjected to unwarranted stress, abuse or neglect
- Equipment has been damaged as a result of arbitrary repair/modification

Products will only be covered under warranty by obtaining an I.C.E. authorized RMA #. To obtain an RMA # please provide I.C.E. tech support with the game serial # or original I.C.E. invoice # and a detailed description of the failure or fault symptoms.

I.C.E. Inc will assume no liability whatsoever for costs associated with labor or travel time to replace defective parts. All defective warranty covered components will be replaced with new or factory refurbished components equal to OEM specifications.

I.C.E. Inc will cover domestic UPS ground, or comparable shipping costs during the warranty period. International or expedited shipments are available for an additional charge. To obtain credit defective parts must be returned to I.C.E. Inc, at the customer's expense, within 30 days. After 30 days a 15% re-stocking fee will apply to all returns.

ICE distributors are independent, privately owned and operated. In their judgment, they may sell parts and/or accessories other than those manufactured by I.C.E. Inc. We cannot be responsible for the quality, suitability or safety of any non-I.C.E. part or modification (including labor) that is performed by such a distributor.

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