



ALPHA Elite® S9C to ALPHA Elite® S9E Conversion Kit Instructions

Copyright 2009 Bally Gaming, Inc. All Rights Reserved.

The following are trademarks of Bally Gaming, Inc.

ALPHA Elite, Bally Gaming and the Bally logo.

All other product names and trademarks are the intellectual property of their respective owners.

This documentation contains confidential and proprietary information of Bally Gaming, Inc. No portion of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without the express written permission of Bally Gaming, Inc.

The specifications and information contained in this documentation are subject to change without notice. All statements, information, illustrations, specifications and recommendations in this documentation are believed to be accurate but are provided without warranty of any kind, expressed or implied.

Bally Gaming, Inc. 6601 S. Bermuda Road, Las Vegas, NV 89119, USA

<http://www.ballytech.com>

1-877-GO BALLY (462 1559)



Objective

This document provides instructions for allowing an ALPHA Elite® S9C to access the game library of an ALPHA Elite® S9E.

Requirements

This document requires an S9C to S9E Conversion Kit (204422-010XX)



NOTE: 204422-010P1 is the Chrome Kit.

204422-010P9 is the Gold Kit.

Game Theme



CAUTION: The kit does not include a game theme. There must be a game theme kit available to complete the installation.

Systems Panel



CAUTION: The existing Systems Panel, if present, will be unusable in this configuration. A replacement Systems Panel must be available to complete the installation. Order the systems panel through Bally Technologies.

Required Tools

This document requires the following tools:

- Phillips screwdriver
- Flathead screwdriver
- Nutdriver
- Wire Cutters



Parts List

Table 1: Parts List for 204422-010XX


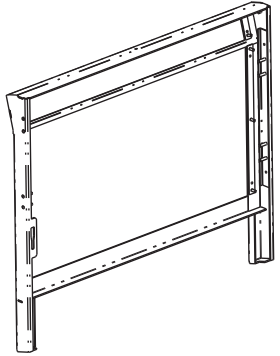
Part Number	Description	Quantity	Image
200224	Top Box Interconnect Kit	1	Not Shown
Kit 200224 Contains the following parts			
200201	Monitor Interconnect Cable	1	Not Shown
200202	Top Box Monitor Cable Assembly	1	Not Shown
200203	Cabinet Interconnect Cable	1	Not Shown
200204	Top Box Cable Assembly	1	Not Shown
202732	Cable Interconnect Bracket	1	
205112	Cable Interconnect Assembly	1	See Page 19
NLS-M0470-1117	Nut	4	Not Shown
200320-000XX	Reel Door Frame	1	
200525	20 Inch Door Assembly		See Page 9
Kit 200525 Contains the following parts			
200003-00006	Ground Strap	1	Not Shown
200501-000P1	17 Inch Oval Top Box Door Assembly	1	See Page 9
200507-00001	Bezel Assembly	1	See Page 31



Table 1: Parts List for 204422-010XX

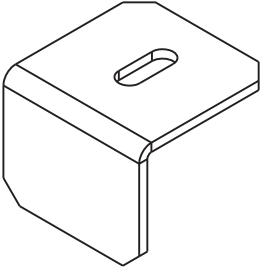
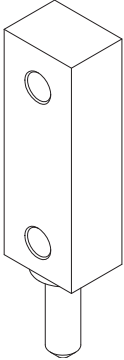

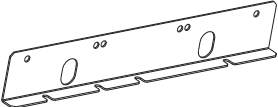
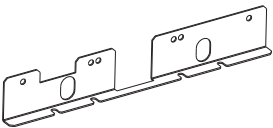
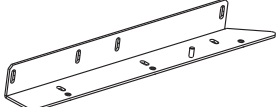
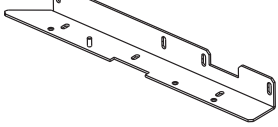
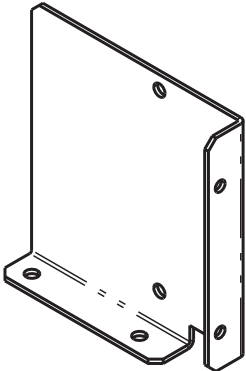
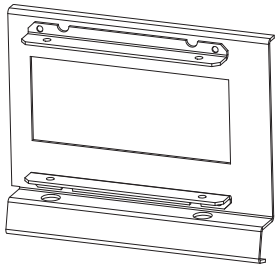
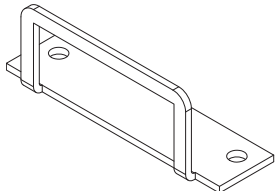
Part Number	Description	Quantity	Image
200516	Glass Clamp	1	
200696	Door Side Hinge Bracket	2	
202914	20 Inch Monitor	1	
206137	Right LCD Bracket	1	
206138	Left LCD Bracket	1	
206544	Right LCD Mounting Bracket	1	



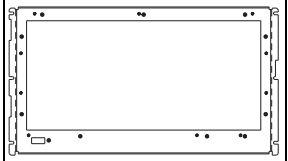
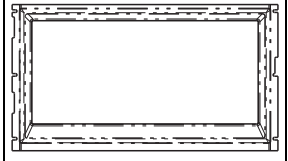
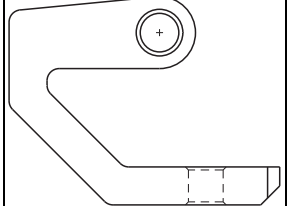
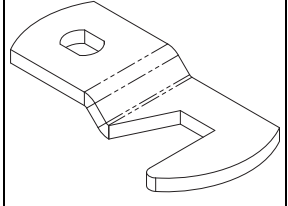
Table 1: Parts List for 204422-010XX

Part Number	Description	Quantity	Image
206545	Left LCD Mounting Bracket	1	
LSPP-00632-1104	Screw	12	Not Shown
LSPP-M0470-1204	Screw	8	Not Shown
NLS-00632-1112	Nut	9	Not Shown
NLS-00832-1112	Nut	4	Not Shown
200558	System Panel Mounting Bracket	1	
200585-00097	Printer Panel	1	
200651	Door Switch Mounting Bracket	1	

Copyright 2009 Bally Gaming, Inc. All Rights Reserved.

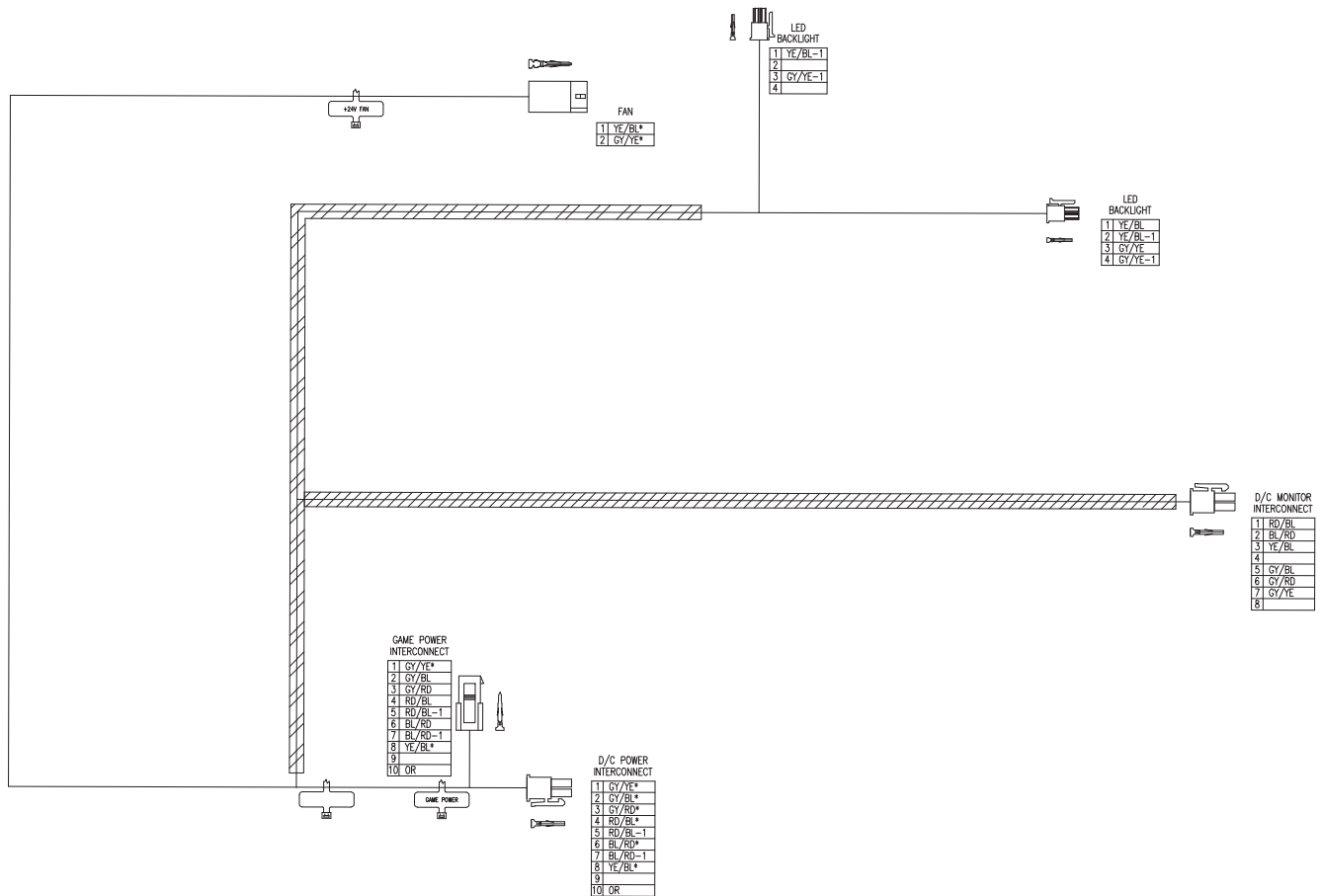


Table 1: Parts List for 204422-010XX

Part Number	Description	Quantity	Image
200895	Reel Door Bezel Bracket	1	
200896-00001	Active Reel Door Bezel	1	
200947	Hinge Bracket	2	
201008	PCI Slot Cover	1	Not Shown
201305	Active Bezel Mid Door	1	Not Shown
203520	Top Box Door Lock Cam	1	
203572	Active Reel Board Set	1	Not Shown
205627-00-0	LED Power Cable	1	See Page 8
LSPP-00623-1104	Screw	9	Not Shown
NLS-00440-1112	Nut	2	Not Shown

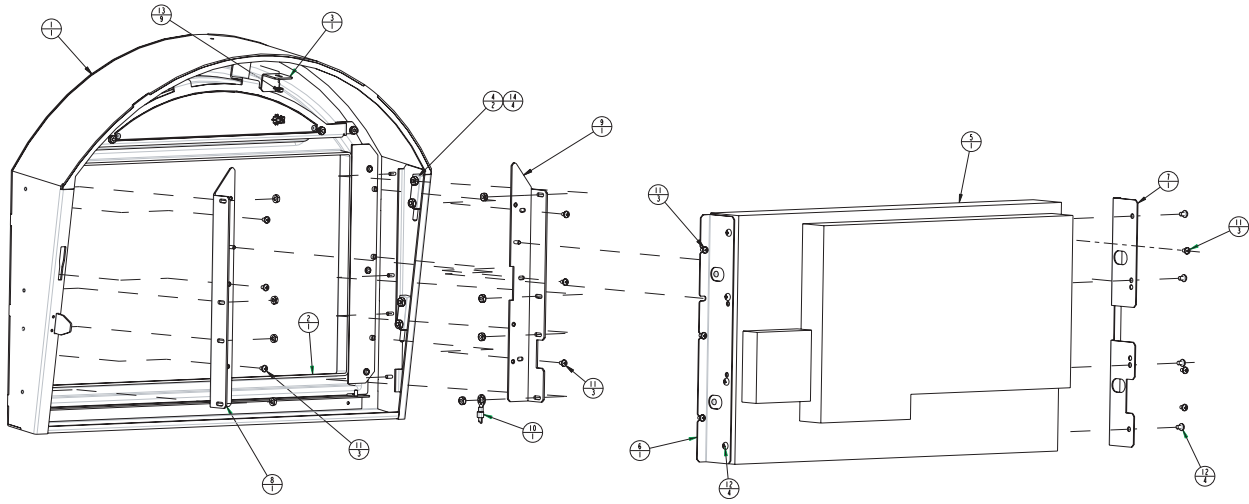


LED Power Cable Wiring Diagram (205627-00-0)





17 Inch Oval Top Box Door Assembly Diagram (200525)



Parts List for 200525

Reference	Part Number	Description	Quantity
1	200501	17 Inch Oval Top Door Assembly	1
2	200507	Black Bezel Assembly	1
3	200516	Glass Clamp	1
4	200696	Door Side Bracket Hinge	2
5	202914	20 Inch DC Monitor	1
6	206137	LCD Right Mounting Bracket	1
7	206138	LCD Left Mounting Bracket	1
8	206544	LCD Right Mounting Bracket	1
9	206545	LCD Left Mounting Bracket	1
10	200003-00006	Ground Strap	1
11	LSPP-00632-1104	Screw	12
12	LSPP-M0470-1204	Screw	8
13	NLS-00632-1112	Nut	9
14	NLS-00832-1112	Nut	4



Procedure Outline

Removal, Assembly and Installation Processes

The process of the installation involves removing the following parts from the machine:

- 17 Inch Top Box Door
- Upper Cabinet Reel Door
- 6.3 Inch LCD Monitor
- Microprocessing Unit (MPU)
- Light Panel
- Printer Face
- Systems Panel Bracket

The first process will be the removal, replacement, and/or re-installation of all smaller components with new parts provided from the kit. Parts removed and reused later on in the conversion process will be noted.

Large Assembly and Installation Processes

The next steps will be the assembly and installation of larger components such as the new Upper Cabinet Reel Door.

- Gender Changers
- Top Box Door
- Convenience Outlet
- Securing the Bezel
- Top Bracket Assembly
- Attaching the Top Bracket to the Top Door
- Securing the Side Brackets
- Monitor Assembly and Installation
- Installation of the Door Push Switch, Fan, Tower Light and Tower Base.

From this point, the final step will be installation of the completed door into the machine and completion of all wiring.



17 Inch Top Box Door Removal

- STEP 1. Disconnect the ground strap from the door.
- STEP 2. Remove any player tracking parts from the door.
- STEP 3. Remove the door by lifting the door up and off of the door hinges.



NOTE: These parts will not be reused in this conversion.

Upper Cabinet Reel Door Removal

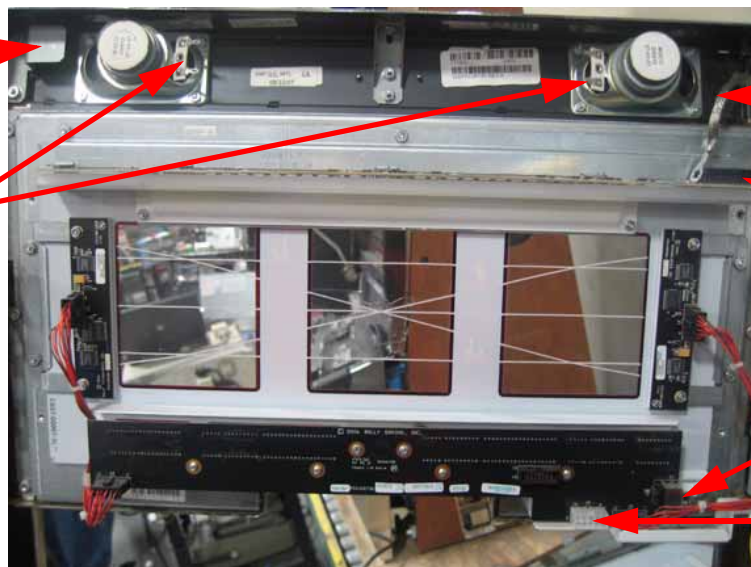
- STEP 1. Disconnect the USB cable and power cord.
- STEP 2. Disconnect the ground strap from the cabinet.
- STEP 3. Disconnect the power cable from the Upper Light Assembly.
- STEP 4. Remove the speaker wires from each Speaker.
- STEP 5. Lift the Upper Cabinet Reel Door up and remove it from the machine.
- STEP 6. Remove the hinges from the bracket.
- STEP 7. Remove the Door Switch Actuator from the bracket.



NOTE: Keep the ground strap, Door Switch Actuator, and speaker wires as they will be re-installed into the new Upper Cabinet Reel Door.

Door Switch
Actuator

Speaker Wire
Connections



Ground Strap

Power
Receptacle

USB Receptacle

Power Receptacle



6.3 Inch LCD Display Removal

- STEP 1. Pull up on the two thumbscrews and pull the 6.3 Inch LCD Display downwards.
- STEP 2. Cut any tie wraps that secure the cables.
- STEP 3. Remove all cables connected to the 6.3 Inch LCD Display.
- STEP 4. Remove the 4-pin LCD Monitor cable from the backplane receptacle.

4-pin LCD Monitor
receptacle



- STEP 5. Remove three nuts located underneath the 6.3 Inch LCD Display.



- STEP 6. Remove the 6.3 Inch LCD Display from the cabinet.



Microprocessor Unit (MPU) Removal, Assembly, and Installation

STEP 1. Disconnect all cables connected to the front panel of the MPU.

STEP 2. Grasp the handle of the MPU and pull to remove.



Grasp the handle and pull to remove.

STEP 3. Remove the PCI Board from the MPU by removing the fastener screw and pulling the PCI Board up and away from the MPU.





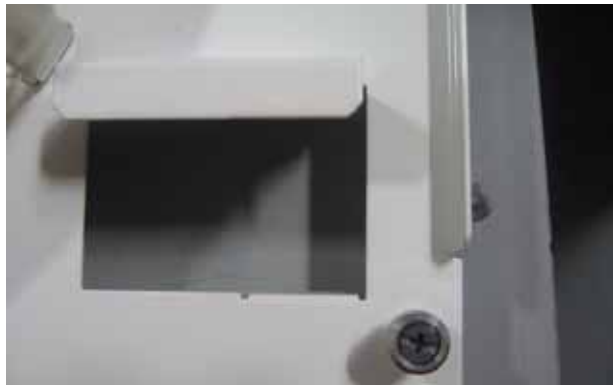
STEP 4. Install the PCI Slot Cover (201008) with two nuts (NLS-M0350-1117).



STEP 5. Re-install the MPU into the machine.

Light Panel Removal

STEP 1. Loosen the bottom right thumbscrew and pull the right side of the Light Panel.



Loosen the thumbscrew and pull the right edge to reveal the inside of the Light Panel.

STEP 2. Remove the power cable from the interconnect bracket and the fan.



STEP 3. Remove the two nuts on the cabinet side of the light hinge to remove the Light Panel from the Top Box.



NOTE: Do not remove the Right Support Bracket.



Printer Face Removal

STEP 1. Remove two plugs located on the top and the bottom of the Printer Face.

STEP 2. Remove the two top and bottom screws from the Printer Face.

Bottom view of the
Printer Face



Dual LED Cable

STEP 3. Pull out and disconnect the Printer Face from the printer.



CAUTION: To prevent component damage, slowly remove the Printer Face as the Dual LED Cable connects the Printer Face to the printer.

Printer Face Assembly and Installation (200585-00097)

STEP 1. Remove the four fastener screws attached to the back of the Printer Face.

STEP 2. Place the Printer Panel (200585-00097) on the table.

STEP 3. Place the card slot onto the table.

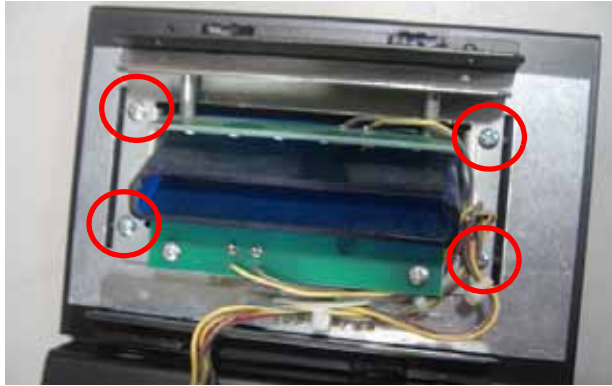
Threaded Receptacles



Threaded Receptacles

STEP 4. Align the black stubs symmetrically to the new plate to ensure proper assembly.

STEP 5. Attach the circuit board using four screws previously removed from the old Printer Face.



STEP 6. Reconnect the Printer Face Cable to the printer.

STEP 7. Secure all remaining cables in the bottom section of the assembly.

Systems Panel Bracket (200558) Replacement

STEP 1. Disconnect the old Systems Panel Bracket at the left of the printer.

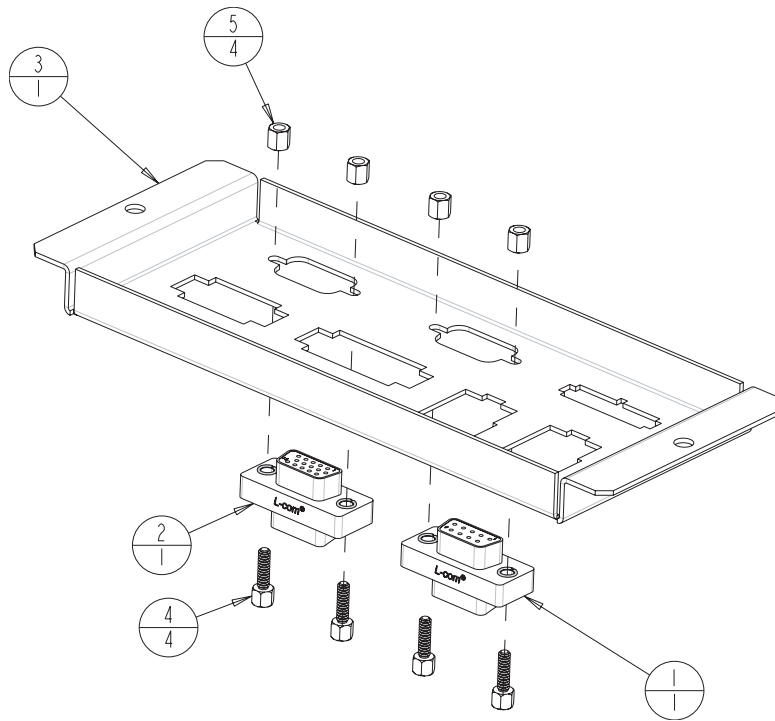


STEP 2. Attach the Systems Panel Bracket (200558) in the same location using the previously removed nuts.





Cable Interconnect Assembly Diagram (205112)



Parts List for 205112

Reference	Part Number	Description	Quantity
1	200086-00001	9-pin Gender Changer	1
2	200086-00011	15-pin Gender Changer	1
3	202733	Interconnect Bracket	1
4	202949-00001	Jack Screw	4
5	202949-00002	Hex Standoff	4

Gender Changer Assembly (200086-00001 and 200086-00011) and Installation

- STEP 1. Remove the existing nuts from each Gender Changer by placing one nutdriver onto each end and turn one end clockwise and the other counter-clockwise.



- STEP 2. Repeat for the remaining Gender Changer.
- STEP 3. Attach one set of Jack Nuts (202949-00001) provided in the kit.



- STEP 4. Repeat Step 3 for the remaining Gender Changer.
- STEP 5. Remove the left reel wheel to ease installation of the Gender Changers on the bracket.



STEP 6. Install each Gender Changer from the bottom of the interconnect bracket.



NOTE: If the interconnect bracket is not installed into the top box, proceed to the next step.

STEP 7. Connect the Interconnect Bracket (202733) to the top box using two nuts (NLS-00832-1112)..

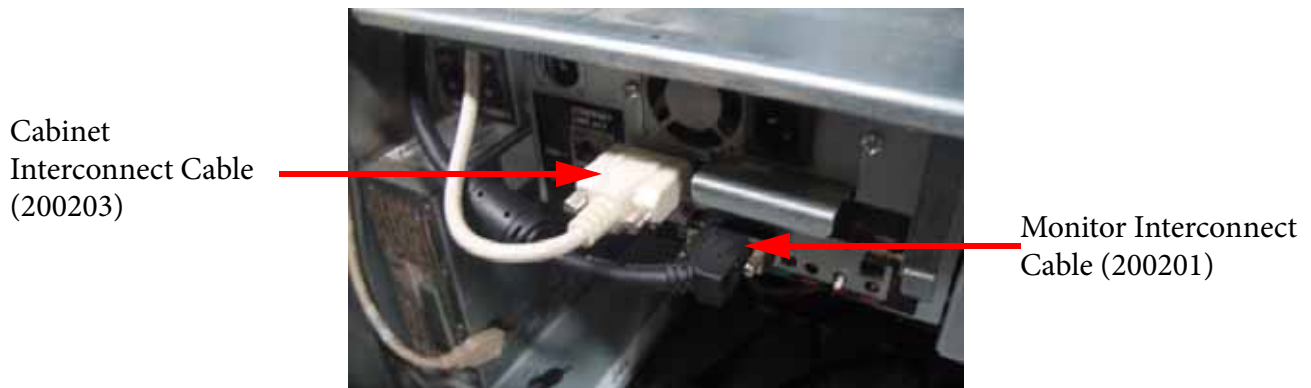


NOTE: The nut size for installing the Interconnect Bracket into metric cabinets is (NLS-M0470-1212).

MPU Connections

STEP 1. Connect the Monitor Interconnect Cable (200201) to the MPU.

STEP 2. Connect the Cabinet Interconnect Cable (200203) to the MPU.



STEP 3. Connect the opposite end of the Monitor Interconnect Cable (200201) to the bottom receptacle of the 15-pin interconnector.

STEP 4. Repeat the previous step for the Cabinet Interconnect Cable (200203) and the remaining 9-pin interconnect.





Upper Cabinet Reel Door Speaker Installation

STEP 1. Remove all nuts that secure the Speaker Assembly.

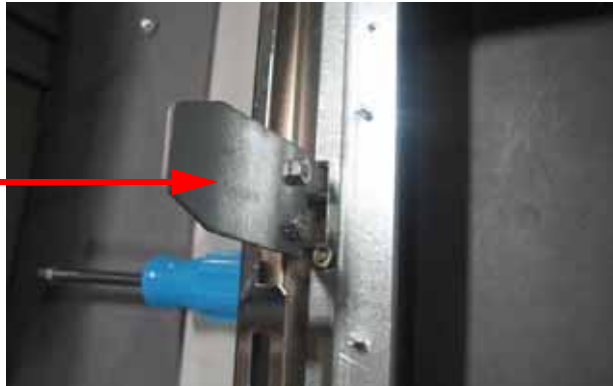


STEP 2. Use the previously removed nuts to attach the Speaker Assembly onto the new Upper Cabinet Reel Door.

Upper Cabinet Reel Door Assembly (200320)

- STEP 1. Install the Door Switch Activator onto the new Upper Cabinet Reel Door tab using nuts removed from the previous Upper Cabinet.

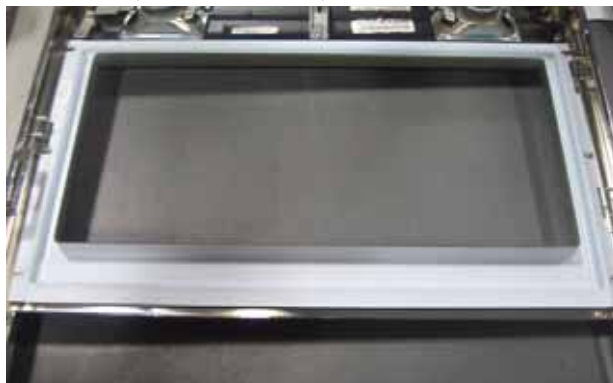
Door Switch Activator



- STEP 2. Attach hinges used previously on the old Upper Cabinet Reel Door and attach them to the new Upper Cabinet Reel Door using the previously removed nuts.



- STEP 3. Insert the Reel Door Bezel (200896-00001).





STEP 4. Insert the Reel Door Bezel Mounting (200895).



STEP 5. Place the Reel Glass onto the assembly.



NOTE: Place the old game theme glass in the new Upper Cabinet Reel Door if the game theme remains the same.

STEP 6. Attach the Ground Strap from the old Upper Cabinet Reel Door to the new Upper Cabinet Reel Door.



STEP 7. Attach the previously attached Door Switch Actuator to the speaker assembly.

Door Switch
Actuator



STEP 8. From the old Upper Cabinet panel assembly, remove the Upper Reel Light assembly.



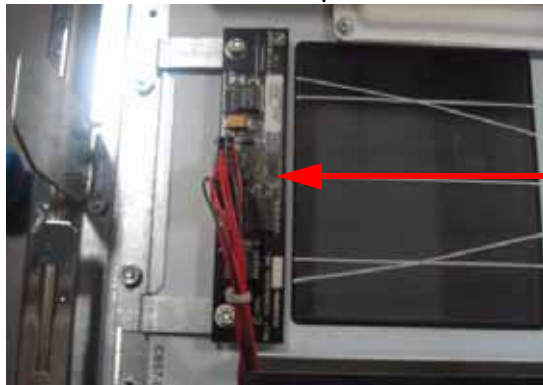
STEP 9. Remove the Pay Line Boards.

STEP 10. Remove the Lower Display.

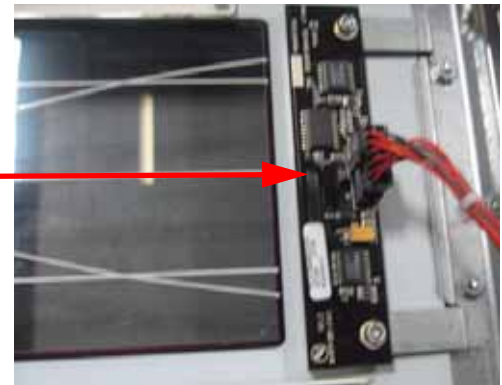
STEP 11. Attach the Lower Display to the new Upper Cabinet Reel Door assembly using the existing screws that secured the Lower Display to the old door.



STEP 12. Attach the Pay Line Boards.



Pay Line Boards



STEP 13. Attach the Upper Reel Light.

Upper Reel Light



STEP 14. Align the game theme glass, Lower Display, Pay Line Boards, and the Upper Reel Light to the new Upper Cabinet Reel Door. Loosen screws if necessary.

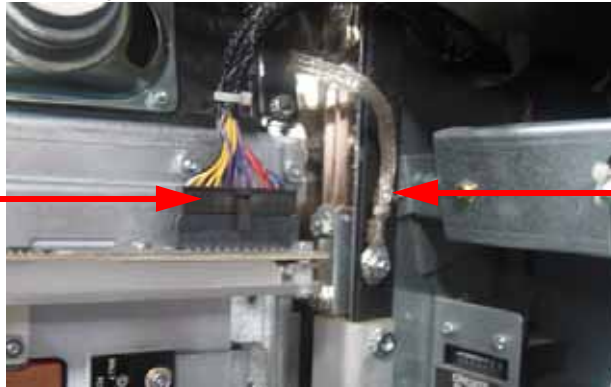
STEP 15. Tighten all screws securely.



Upper Cabinet Reel Door Installation

- STEP 1. Install the door by inserting the pins of the Upper Cabinet Reel Door Assembly into the hinges.
- STEP 2. Attach the previously removed Ground Strap.
- STEP 3. Attach the Upper Reel Light.

Upper Reel Light



Ground Strap

- STEP 4. Attach the previously removed speaker wires to the speaker assembly.

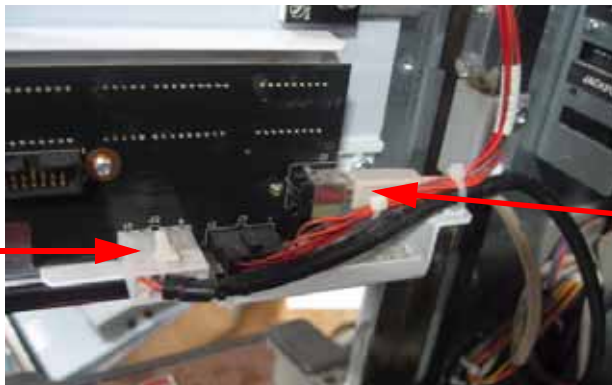
Speaker Wires



- STEP 5. Attach the Lower Cable Power Display.

STEP 6. Connect the USB Cable.

Lower Cable
Power Display



USB Cable

STEP 7. Secure any loose cables with wire ties.

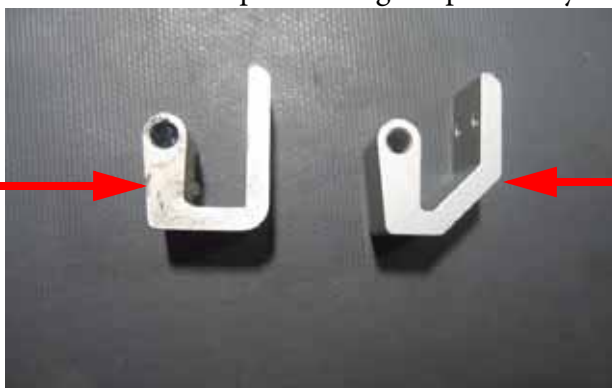
Hinge Bracket (200947) Installation

STEP 1. Remove the two hinges connected to the top box.

STEP 2. Locate the two Hinge Brackets (200947) provided in the kit.

STEP 3. Secure the Hinge Brackets to the Top Box using the previously removed nuts.

Old Hinge Bracket



New Hinge Bracket



Securing the Top Box Door to the Top Box Cabinet Assembly

- STEP 1. Secure the Door Side Bracket Hinge (200696) to the 17 Inch Oval Top Box Door Assembly (200501-000XX) using two nuts (NLS-00832-1112) for each Hinge.
- STEP 2. Insert the Top Box Door Assembly into the Top Box Door.



Door Side Bracket Hinge (200696).
Cabinet Side Hinge Bracket (200947).



Installation of the Bottom Component Mounting Panel and Convenience Outlet

- STEP 1. Choose either the bottom two or middle two standoffs at the back of the Top Box to place the Bottom Component Mounting Panel (202004).

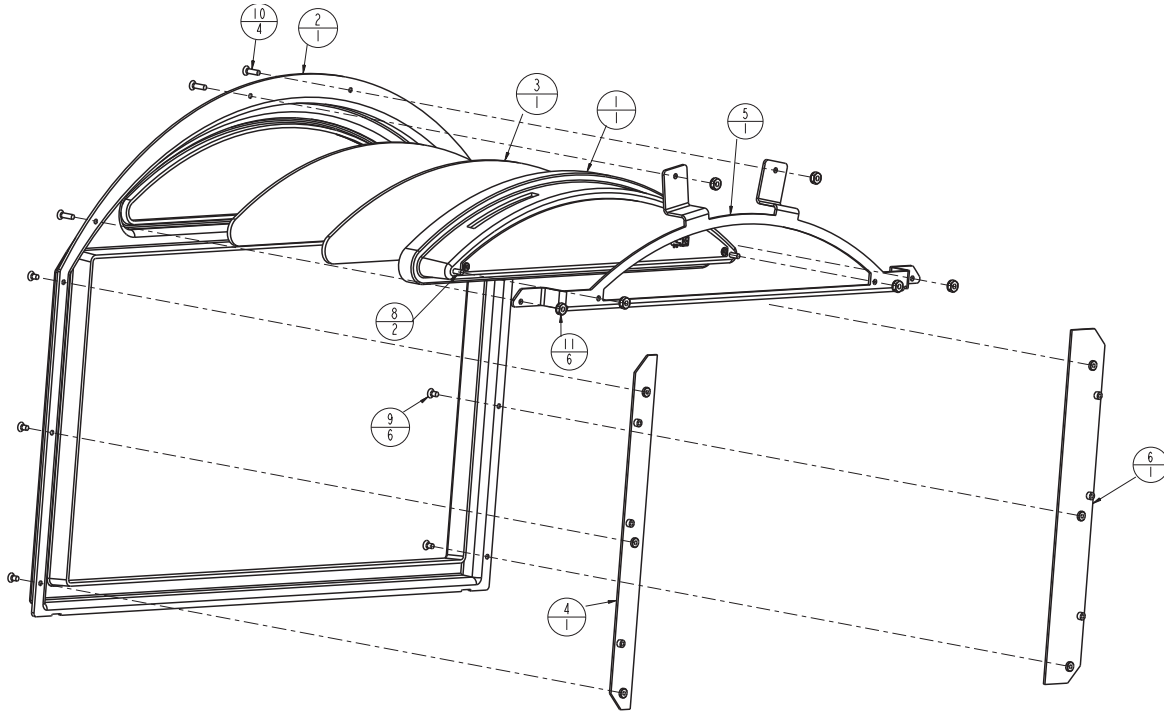


Convenience Outlet (201339) and
Bottom Component Mounting Panel (202004).

- STEP 2. Attach the Bottom Component Mounting Panel (202004) onto the Top Box standoffs and secure it with two nuts (NLS-00832-1112).
- STEP 3. Attach the Convenience Outlet (201339) onto the standoffs on the Bottom Component Mounting Panel (202004) and secure it with four nuts (NLS-00832-1112).



Bezel Assembly (200507-00001)



Parts list for 200507

Reference	Part Number	Description	Quantity
1	200508	Light Cup Assembly	1
2	200510	20 Inch Bezel	1
3	200511	Light Diffuser	1
4	200512	Right Bracket Bezel	1
5	200513	Light Cup Bracket	1
6	203240	Left Bracket Bezel	1
7	G-R0868	20 Inch LCD Glass	REF
8	LSPP-00632-1106	Screw	2
9	MSPF-00632-1104	Screw	6
10	MSPF-00632-1108	Screw	4
11	NLS-00632-1112	Nut	6



Securing the Bezel to the Top Door

- STEP 1. Insert four screws (MSPF-00632-1108) through the arch of the Bezel (200510).
- STEP 2. Insert the Right Bezel Bracket (200512) behind the Bezel (200510).
- STEP 3. Align the holes on the right side of the Bezel (200510) with the Right Bezel Bracket (200512) and secure with three screws (MSPF-00632-1104).
- STEP 4. Repeat the same process for the Left Bezel Bracket (203240).



Right Bezel Bracket (200512)
(third hole and screw not shown).

- STEP 5. Insert the Bezel Assembly through the back of the Top Door.



- STEP 6. Insert the Glass Clamp (200516) into the top middle section of the Top Door and secure it with a nut NLS-00632-1112).



Glass Clamp (200516)

Top Bracket Assembly

- STEP 1. Align the outer two holes of the Light Cup (200508) with the side holes at the back of the Top Bracket.
- STEP 2. Secure the Light Cup (200508) and Top Bracket with two (LSPP-00632-1106) screws.



Light Cup (200508) and Top Bracket.

- STEP 3. Align the LED Board (PCA107035-0-0) with the remaining holes of the Shield (200509).
- STEP 4. Secure the LED Board (PCA107035-0-0) and the Shield (200509) with two (LSPP-00632-1106) screws.



Light Cup (200508) and Diffuser (200511)

- STEP 5. Insert the Diffuser (200511) into the front of the Top Bracket.



STEP 6. Insert the title cover.



Front view of Top Bracket assembly with Diffuser (200511).



NOTE: The title cover depends upon the game theme.



Top bracket assembly with example title cover.

Attaching the Top Bracket to the ALPHA Elite Top Door

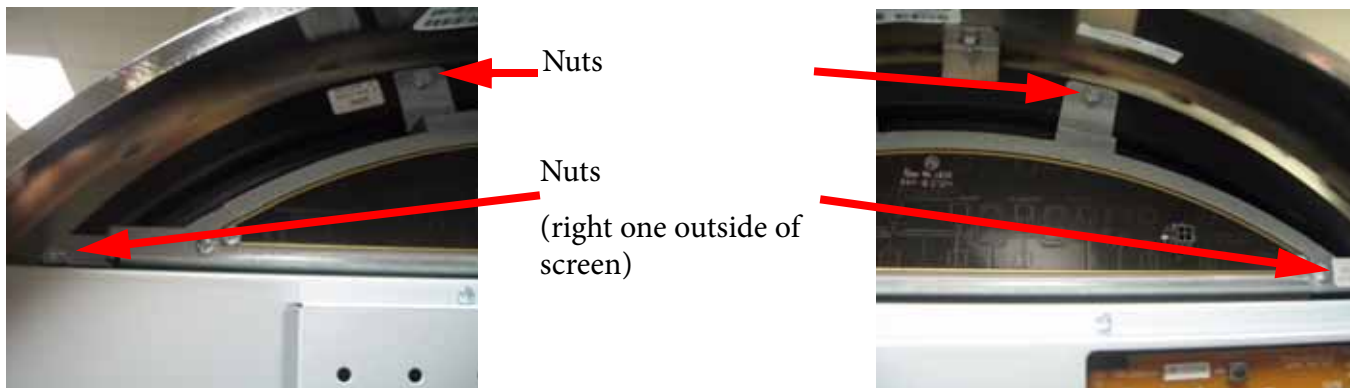
STEP 1. Place the Bezel inside the Top Box.

STEP 2. Align the Top Bracket with the holes of the Top Box Bezel.



TIP: To prevent damage during installation, hold the Shield (200509) with one hand while securing the top bracket to the Top Door.

STEP 3. Secure the Top Bracket with four nuts (NLS-00632-1112) along the arch.



Securing the Side Brackets to the Top Box

STEP 1. Insert the Right LCD Mounting Bracket (206544) onto the right side standoffs of the Top Door.

STEP 2. Align the holes of the Right LCD Mounting Bracket (206544) with the holes of the right mid-door bracket and secure with three screws (LSPP-00632-1104).

STEP 3. Secure the standoffs with four nuts (NLS-00832-1112).

STEP 4. Repeat this process for the Left LCD Mounting Bracket (206545).



Monitor Bracket Installation

STEP 1. Locate the monitor (202914), the Left LCD Monitor Bracket (206138), and the Right LCD Monitor Bracket (206137) from the kit.



Left LCD Monitor Bracket (206138).

Right LCD Monitor Bracket (206137).



STEP 2. Align the holes of the Left LCD Monitor Bracket (206138) to the holes of the left side of the monitor (202914).

STEP 3. Secure into place with four screws (LSPP-M0470-1204).

STEP 4. Repeat the same process for the Right LCD Monitor Bracket (206137).

Monitor Installation

STEP 1. Secure the Ground Strap (200003-00006) to both the Top Door and the Top Box.



Ground Strap (200003-00006) secured to Top Door.

STEP 2. Insert the monitor onto the center standoffs provided by the Top Box side brackets (206544 and 206545).

STEP 3. Secure the right side with three screws (LSPP-00632-1104).

STEP 4. Secure the left side with three screws (LSPP-00632-1104).

Door Push Switch Installation

STEP 1. Locate the Door Push Switch Mounting Bracket (200651) from the kit.

STEP 2. Insert the Door Push Switch Mounting Bracket (200651) onto the standoffs located in the front right side of the Top Box.

STEP 3. Secure with two nuts (NLS-00440-1112).

STEP 4. Insert the Door Push Switch (200008) into the front of the Door Push Switch Mounting Bracket (200651).



Door Push Switch and bracket.

STEP 5. Connect the wires to the Door Push Switch (200008).

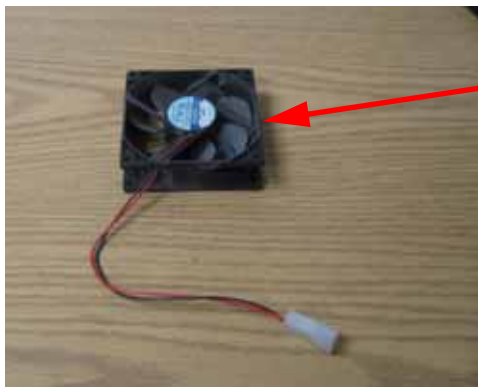


Securing the Fan to the Top Box

- STEP 1. Secure the Fan (200350) to the top center of the Top Box with four screws (LSPP-M0470-1219).
- STEP 2. Ensure the front side of the fan faces the interior of the Top Box.



Place fan here.



Back view of fan
(200350).

Front side of fan
(200350).



Securing the Tower Light and Tower Base to the Top Box

- STEP 1. Adjust the Tower Light (202161-21100) and Tower Base (201221-00001) so that both holes of each device align.
- STEP 2. Place the Tower Light (202161-21100) on the Tower Base (201221-00001) and align the mounting holes.



Tower Base
(201221-00001)

Tower Light
(202161-21100)



- STEP 3. Place the Tower Base (201221-00001) and the Tower Light (202161-21100) on top of the Top Box and secure both with two Phillips screws from inside the Top Box.



Bottom view of Tower Base (201221-00001)
and Tower Light (202161-21100).



STEP 4. Secure the protruding ground wire to a nearby stud with one nut (NLS-00832-1112).



Ground wire connected to standoff.

STEP 5. Connect the Tower Light Cable and the Door Push Switch Cable to the cabinet cable.

Top Box Monitor Installation

STEP 1. Connect the 15-pin Video Cable to the Cable Interconnector and the monitor.

STEP 2. Connect the 9-pin Touch Screen Cable to the Cable Interconnector and the monitor.

STEP 3. Connect the 8-pin DC Monitor connector from the LED Power Cable (205627-00-0) to the monitor.



DC Monitor connector, Video Cable, and Touch Screen Cable.



- STEP 4. Insert the 10-pin Game Power connector from the LED Power Cable (205627-00-0) to the Cable Interconnector at the bottom left of the Top Box.
- STEP 5. Insert the 10-pin DC Power connector from the LED Power Cable (205627-00-0) to the Cable Interconnector at the bottom left of the Top Box.
- STEP 6. Insert the 2-pin Fan connector from the LED Power Cable (205627-00-0) into the 2-pin receptacle on the fan.



Cable Interconnector

- STEP 7. Connect the AC Extension Cable to the Cable Interconnector and the Convenience Outlet.
- STEP 8. Conclude the installation by closing the Top Door and switching the power on.



NOTE: The 4-pin LED Backlight connectors from the LED Power Cable (205627-00-0) will remain disconnected.