

# King Kong of Skull Island II Upgrade Kit Operator's Manual



## KING KONG II OF SKULL ISLAND



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DeVito ArtWorks, LLC



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# Setup

## Unpack Materials

1. Place the shipping box(es) on a flat, stable surface.
2. Carefully open the box(es) to avoid damaging the artwork.
3. Remove all pieces (see table below) and inspect for damage.

QTY	Part Number	Description
Vinyl Decals		
1	606-02091-01	KKOSI II – Main Cab Side Decal R
1	606-02092-01	KKOSI II – Main Cab Side Decal L
1	606-02093-01	KKOSI II – Main Cab Front Decal
1	606-02094-01	KKOSI II – Front Cab Side Decal R
1	606-02095-01	KKOSI II – Front Cab Side Decal L
1	606-02096-01	KKOSI II – Front Cab Dash Decal
1	606-02097-01	KKOSI II – Main Cab Addon Center Decal
1	606-02209-01	KKOSI II – Main Cab Upper Back Door Decal
Styrene Translites		
1	606-02207-01	KKOSI II – Front Cab Marquee Translite 30 Mil Styrene
1/8" Clear PETG		
2	606-02208-01	KKOSI II – Seatback Signage PETG
1/8" Black Sintra Board		
2	606-02200-01	KKOSI II – Monitor Top/Bottom Bezel – 1/8" Black Sintra
2	606-02201-01	KKOSI II – Monitor R/L Bezel – 1/8" Black Sintra
1	606-02088-01	KKOSI II – Header R – 1/8" Black Sintra
1	606-02089-01	KKOSI II – Header L – 1/8" Black Sintra
Brackets/Hardware/Misc.		
2	600-03139-01	KKOSI II – Lower Side Header Bracket
12		1"W x 6"L Hook & Loop Strip Pairs
4		1/4" – 20 x 3/4" Black Tamper Torx Screw
4		1/4" – 20 Black Flat Washer
4		#10 x 1" Self Driving Hex Head Sheet Metal Screw
1	R90-12-6	Manual/Installation Instructions
1	301-00100-01	USB Dongle – RTHASP1
2	317-00003-01	USB Thumb Drive – 64GB

### Tools needed:

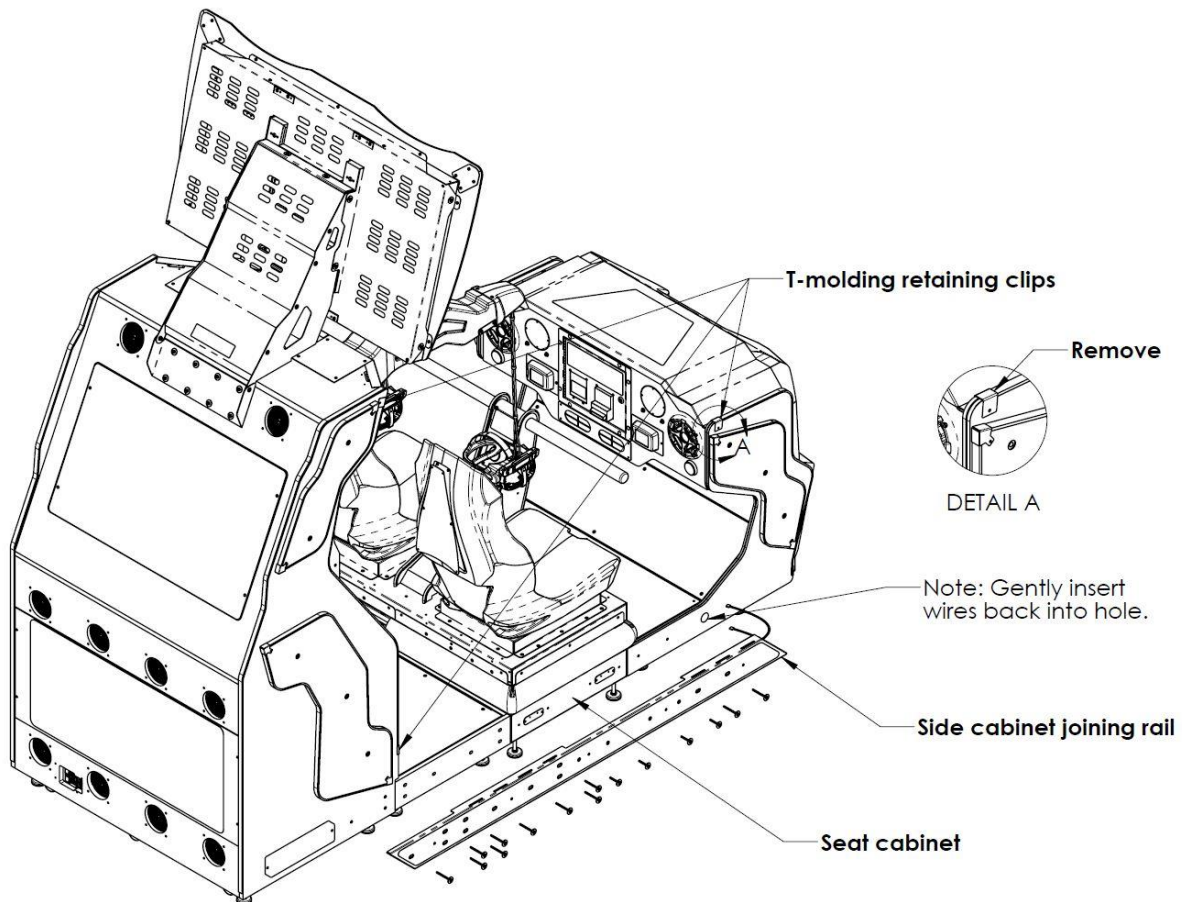
- Drill w/bit holder
- T-15, T-25, T-27 Torx security bits
- #2 Phillips bit
- 5/32" (4mm) hex bit
- Ladder
- Spray-on glass cleaner
- Squeegee
- Utility Knife

## Cabinet Assembly

### Before Starting

Remove the T-molding retaining clips (6 total) as shown below. Set aside, these will need to be reinstalled after all the side decals have been applied.

The side cabinet joining rails need to be removed in order to apply the side cabinet decals. Remove only ONE side rail at a time. The side rail is mounted with 11 long screws and 4 short screws. The 4 short screws are installed into the seat cabinet. After removing the side rail, unplug the LED connector and gently insert the wires coming out from the cabinet back into the hole such that they can be grabbed after the decal has been applied. When the side decals on the side with the removed rail have been applied, reinstall the side rail, then repeat for the other side.



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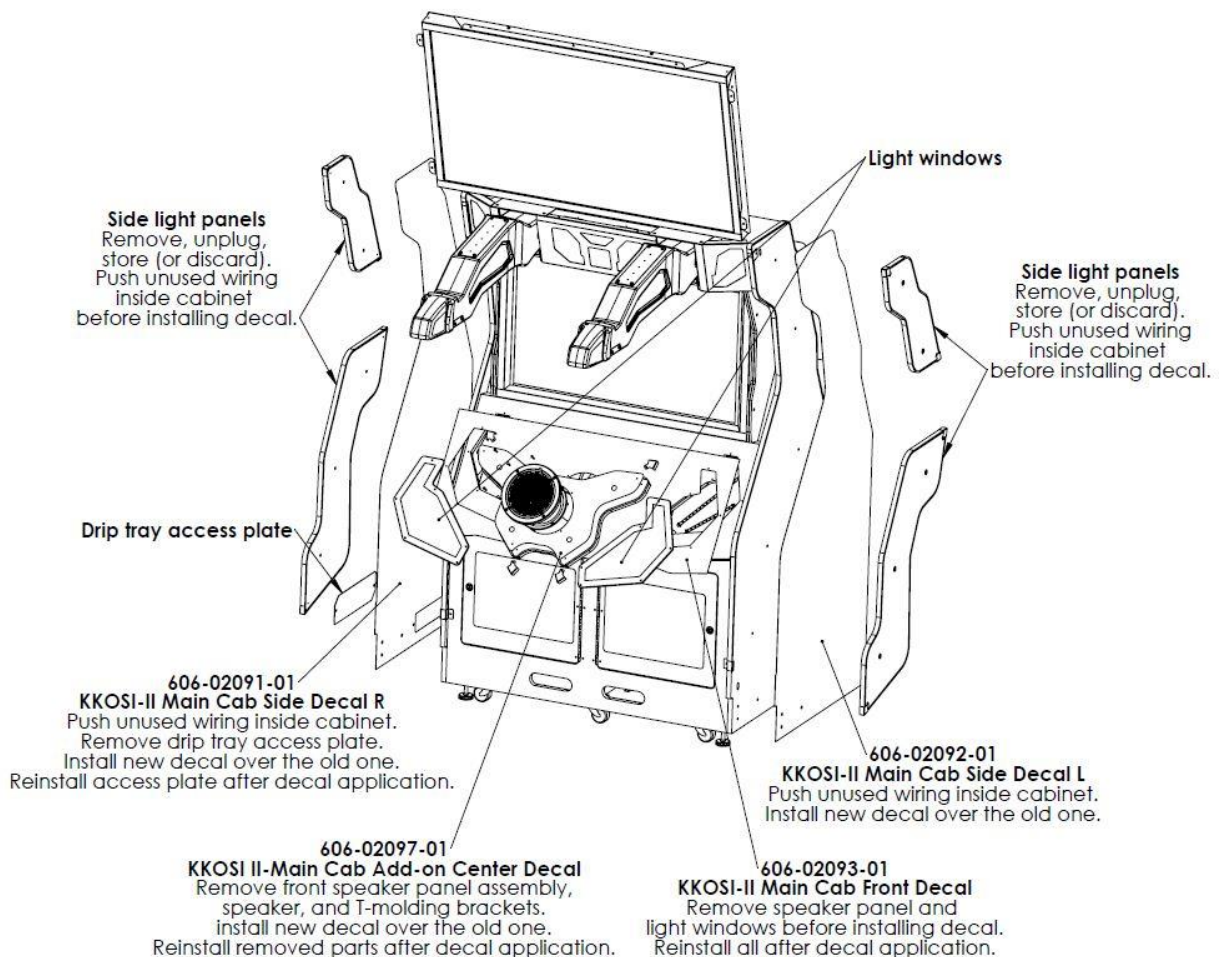
### Monitor Cabinet Decals Installation

Remove the four side light panels and front speaker panel and unplug each of the panels' LED connectors. Push the unused wires into the cabinet. It will be up to the operator's discretion to store or discard the side light panels as they will not be necessary with the new artwork supplied in the KKOSI II kit. Retain the front speaker panel.

Remove the drip tray access plate on the right side of the cabinet, as well as the two light windows mounted to the front of the cabinet. These parts will be reinstalled after decal installation.

Clean the existing decals with a damp cloth to remove any dust or debris.

To install decals, pull back the top edge backing from the decal, align the decal and work from the top down. Lightly misting glass cleaner on the application surface will help assist this process. Use a squeegee to press the decals down uniformly while removing any air bubbles. Trim off excess decal material with a sharp utility knife.



# King Kong of Skull Island II Upgrade Kit

## Monitor Bezel and Side Header Installation

### Header installation:

Remove the 4 screws from the sides of the red monitor enclosure.

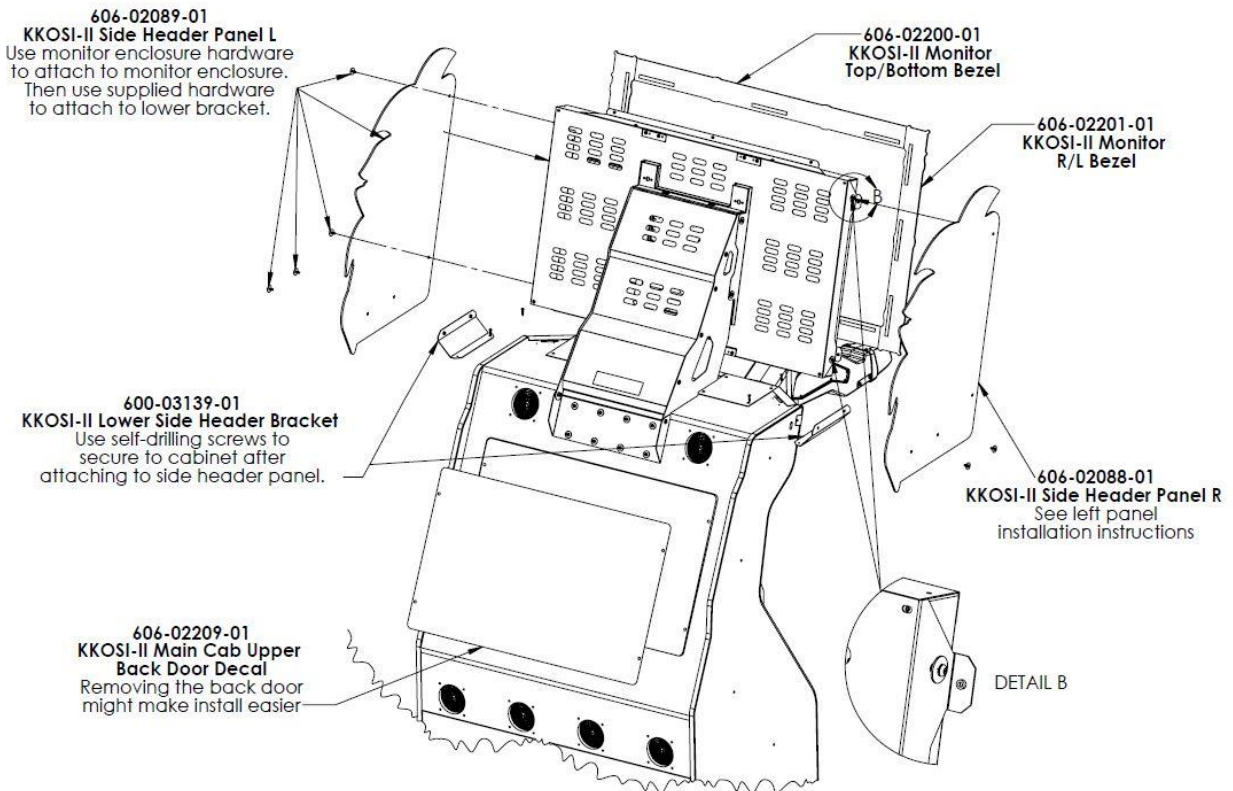
Use these screws to mount the vertical edges of the side header panels as shown.

Set the lower side brackets on top of the cabinet in their respective positions and use the provided hardware to join the brackets to the art panels with machine screws and washers and THEN to the top of the cabinet with self-drilling screws.

### Bezel Installation:

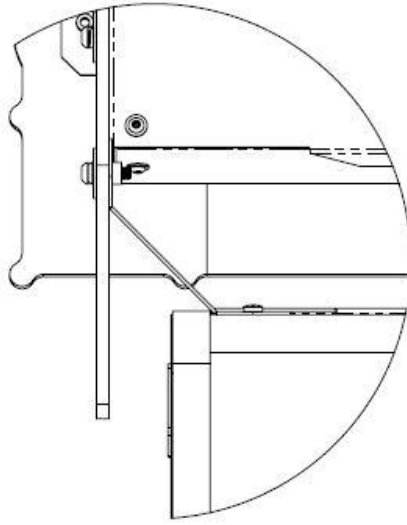
Remove the old three piece bezel. Store or discard.

Use the hook & loop strip pairs to apply the bezel pieces directly to the front edge of the red monitor enclosure. See the *Monitor Bezel Installation* page (pg. 9) for more details.



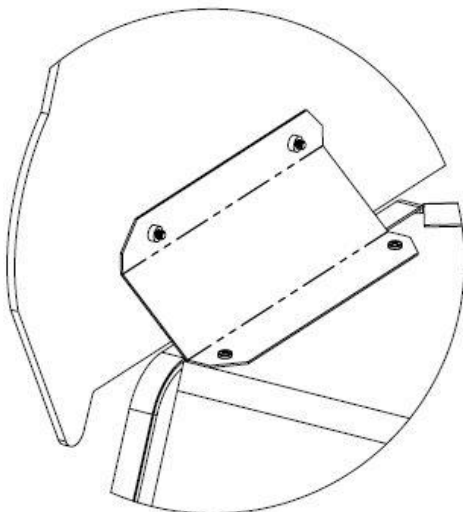
# King Kong of Skull Island II Upgrade Kit

## Lower side bracket installation close-up

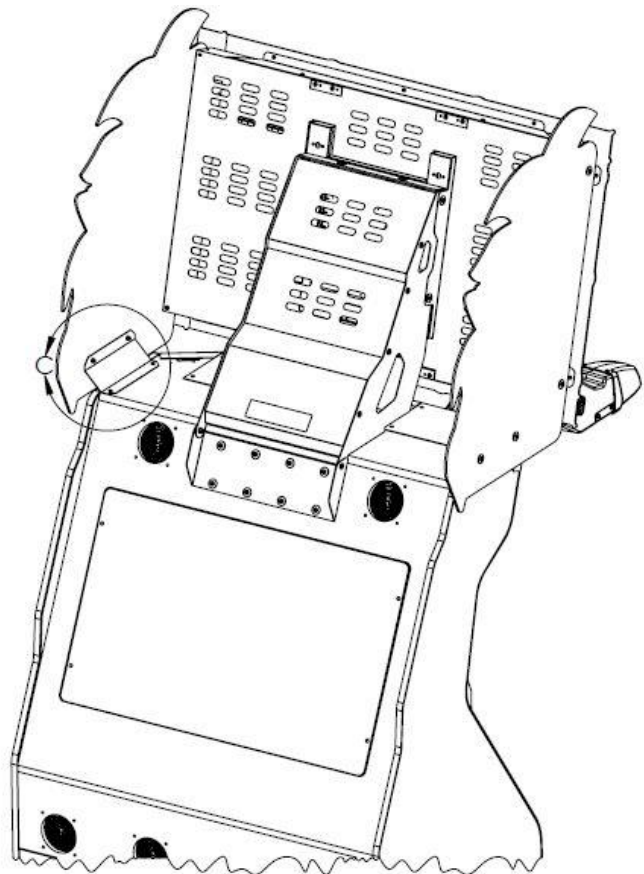


BRACKET INSTALLATION CLOSE-UP

Completed



DETAIL C

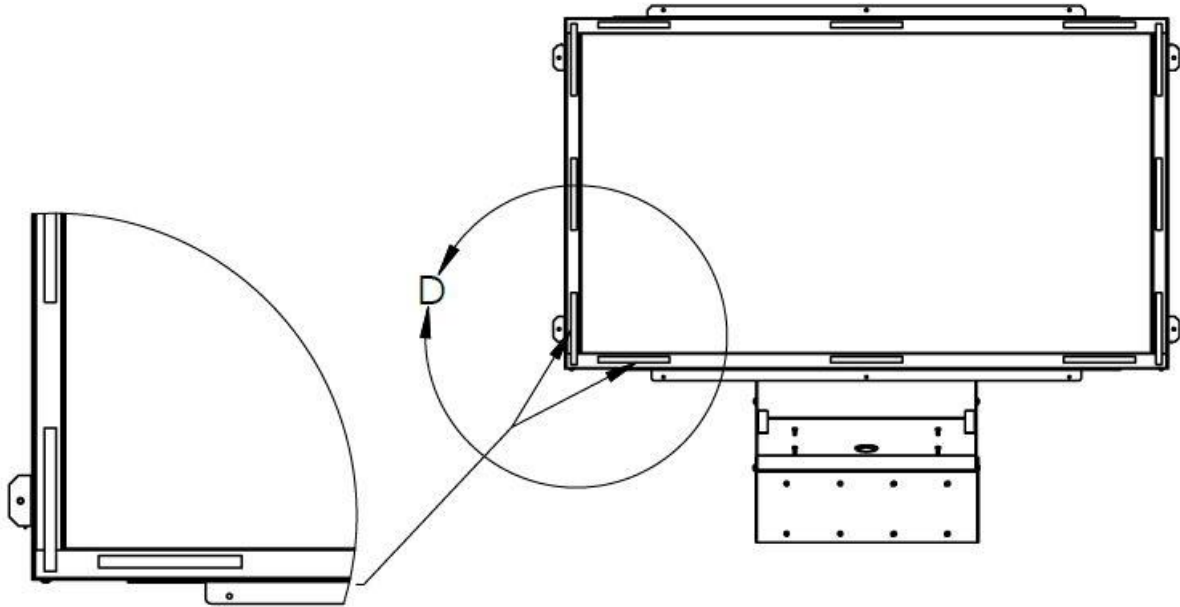




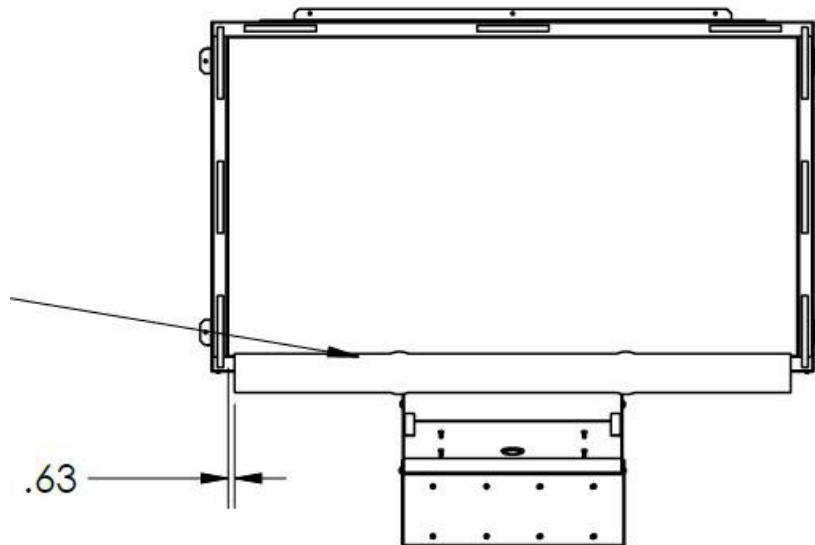
Monitor Bezel Installation

Remove the adhesive backing from one side of each of the (12) hook & loop strip pairs and apply them to the red metal monitor frame as shown below (3 places on each side).

Moni

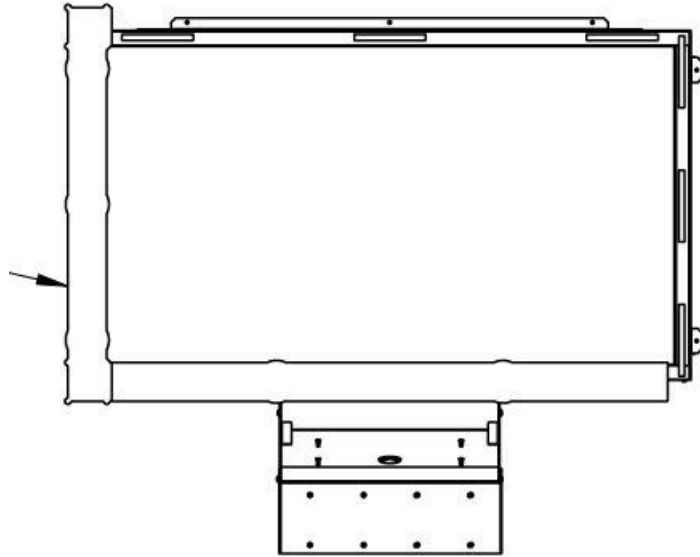


Peel the adhesive backing from the other side of the (3) bottom row strip pairs. Center the top/bottom bezel art part (606-02200-01), align just above the bottom inner edge of the monitor frame, and push firmly to secure the panel to the hook & loop adhesive as shown below.

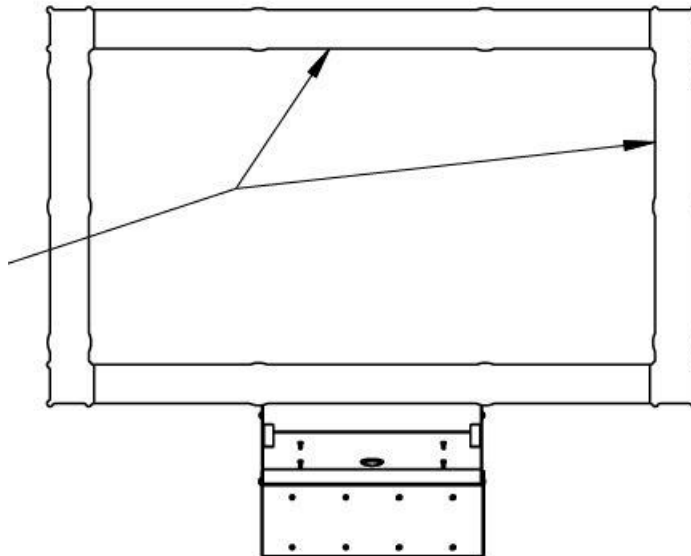


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Peel the adhesive backing from the other side of the (3) side row strip pairs. Align the side bezel art panel (606-02201-01) with the bottom bezel art panel (606-02200-01) and push firmly to secure the panels to the hook & loop adhesive as show below.



Peel the adhesive backing from the other side of the remaining hook & loop strip pairs and repeat the alignment process, working your way around clockwise. If the panels require further alignment, simply pull them away from the hook & loop strips and reposition to minimize any seams that may be visible as shown below.



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### Front Cabinet Decals and Marquee Installation

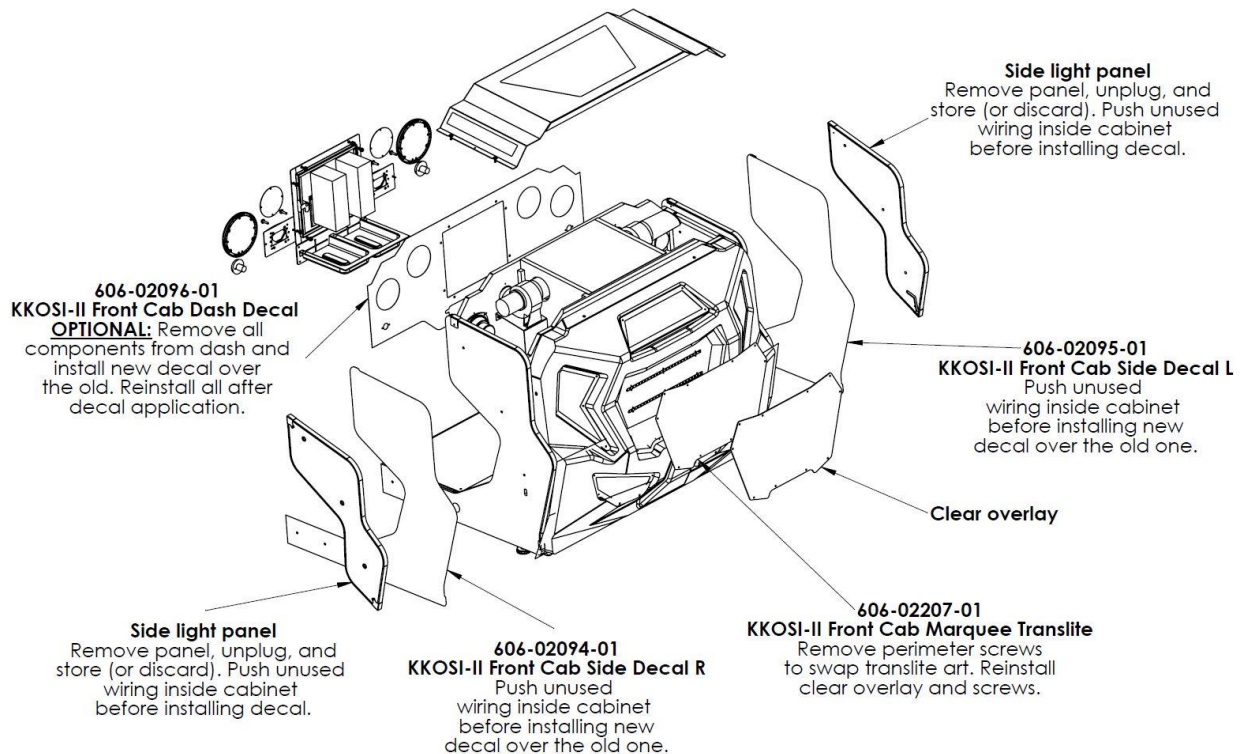
Remove the two side light panels and unplug each of the panels' LED connectors. Push any unused wires into the cabinet. As a reminder, make sure that the side rail LED connectors are placed back into their respective holes such that they can be grabbed after the decals have been applied. It will be up to the operator's discretion to store or discard the side light panels, as they will not be necessary with the new artwork supplied in the KKOSI II kit.

Clean the existing decals with a damp cloth to remove any dust or debris.

To install the decals, pull back the top edge backing from the decal, align the decal and work from the top down. Lightly misting glass cleaner on the application surface will help assist this process. Use a squeegee to press the decals down uniformly while removing any air bubbles. Trim off excess decal material with a sharp utility knife.

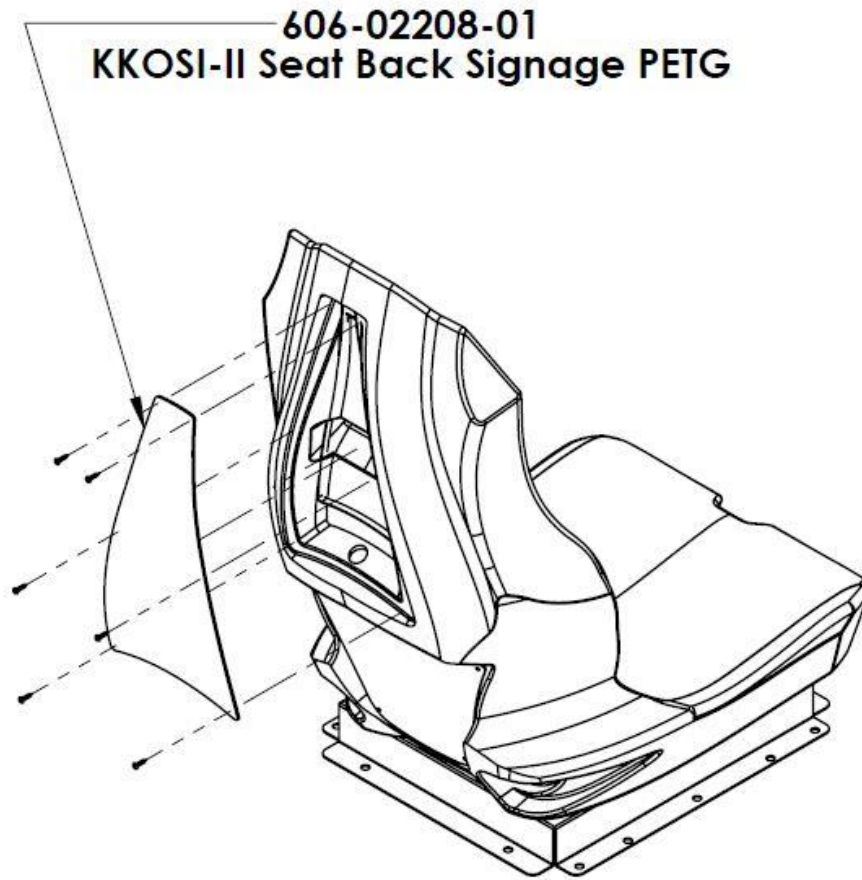
Replace the marquee on the front of the red plastic part. Remove the perimeter screws, install behind the clear overlay and reinstall the screws.

OPTIONAL – Remove all components from the dash panel (including the top hood) and install the new decal over the old one. Reinstall everything that was removed after the decal application.



Seat Marquee Installation

Remove the six screws that hold the art on the back of each seat and replace the old signage with the new.



## Software Upgrade Installation

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Using the provided USB thumb drive, please follow the instructions below to upgrade your KKOSI machine:

### Computer

The computer contains sensitive components. Do not handle roughly. Call your distributor before servicing its internal components. Ask about warranty information as it relates to the PC.

Do **not** use the PC on/off switch. Turn AC power on or off with the cabinet power switch.

Steps to upgrade the software:

(NO DVD Restoration. USB Thumb Drive is used on the *HP Z1G5TWR*)

1. With game and PC's on, verify that both RIO2 boards have power. If not, see Troubleshooting.
2. Open the lower back door of the cabinet.
3. Insert the upgrade USB thumb drive (included in your kit) into an open USB port on the "Player 1 PC".
4. Plug in a USB keyboard to "Player 1 PC".
5. Turn cabinet power switch to OFF. Wait 30 seconds.
6. Turn cabinet power switch to ON. Wait for install menu to load.
7. Once the install menu has loaded, use the keyboard arrows to select the installation program and then press the Enter key and then press the "Y" key to confirm that you want to continue with the installation.
8. Follow on-screen instructions to begin installation.
9. If installation does not begin, check to ensure USB Drive is inserted correctly and is not damaged.
10. Initial software loading may take several minutes. Check progress periodically.  
*Do not interrupt power or reset the game during recovery.*
11. When software has been loaded, a message indicates that the upgrade is complete. When instructed to remove the USB Drive, wait 15 seconds to remove the drive from the PC.
12. Turn cabinet power switch off.
13. Repeat steps 3-12 for the "Player 2 PC".
14. Turn the cabinet on again.
15. Your game will now be upgraded.

## Basic Functional Test on Initial Power Up

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1. Enter the Input Test and verify all switch inputs are working.
2. Enter the Video Test and verify the monitors are working properly.
3. Enter the Audio Test and verify the audio works and is not distorted.
4. Enter the Cabinet Light Test and verify that all the lights are working properly.
5. Enter the Meter Test and verify the coin meter is working properly.
6. Enter the Motion Test and verify the motion platform is working properly.
  - a. Enter the Motion Stress Test to perform a stress test of the motion platform.
7. Enter the Blower Test and verify that both air blowers are working properly.
8. Enter the Leap Motion Test and verify that the Leap Motion sensors on the headsets are working properly.
9. Enter the Watchdog Test and verify the game reboots.
10. Upon a successful reboot, you are ready to adjust pricing, volume, and other functions.

## Choosing the Right Pricing Adjustments for Your Location

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### Card Swipe Locations

- Make Sure Your Game is Set to **Swipes Mode**:
  1. Hold the Test Button for 2 seconds to enter the Test Menu.
  2. Select “Pricing Adjustments” from the menu.
  3. Select “Currency Input” from the menu.
  4. Select “Card Swipes” from the menu.
  5. Exit out of “Currency Input” menu.
  6. While back in “Pricing Adjustments” menu, set “Swipe Value” to the currency equivalent of your swipe, or the payout will be incorrect. **THIS SETTING IS EXTREMELY IMPORTANT!** (Example: If the card swipe is worth \$1.50 in your card system, set the swipe value to \$1.50 as well).

### Coin Locations

- Make Sure Your **Pricing & Coin Value** are Correct:
  1. Hold the Test Button for 2 seconds to enter the Test Menu.
  2. Select “Pricing Adjustments” from the menu.
  3. Select “Currency Input” from the menu.
  4. Select “Cash” or “Tokens” from the menu.
  5. Exit out of “Currency Input” menu.
  6. While back in “Pricing Adjustments” menu
    - a. Select “Coins to Play” and set the desired amount of coins per game of [game name here].
    - b. After setting the coins per play, set “Coin Value” to the currency equivalent of your coin, or the payout will be incorrect. **THIS SETTING IS EXTREMELY IMPORTANT!** (Example: If your coin is worth \$0.25, set “Coin Value” to \$0.25 as well).

# Troubleshooting

**Warning: Review the Safety section before making any adjustments to the game.**

Problem	Possible Cause	Solution
<b>Game will not power up.</b>	Game not plugged in.	Plug game into AC outlet.
	Game not turned on.	Turn on main power switch.
	Game fuse is blown.	Check and replace fuse. See Specification section for fuse values.
	No power to receptacle.	Test AC outlet and plug game into powered outlet.
	PC BIOS set incorrectly.	See BIOS Settings section.
	Flash Drive Installer is left connected to PC.	Disconnect Flash Drive Installer and power cycle the game.
<b>Buttons do not work.</b>	Faulty micro switch.	Replace the micro switch on the button and re-test. Verify that the wires are connected to the correct spades on the micro switch.
	Faulty wiring.	Disconnect the cabinet from AC power. Verify that all wires are firmly connected to each button and the PCB. Verify that no wires are frayed or improperly shorting to ground. Verify that wires are connected to the correct spades on the micro switches.
	Faulty PCB.	Ensure all connections to PCB are secure. Replace PCB if faulty.



Problem	Possible Cause	Solution
<b>Neither buttons nor audio work.</b>	PCB connected to faulty USB port (boot message may indicate not detected)	To test a USB port, turn off the game, disconnect the device from the port, and then connect the game dongle to the port. Reboot the game. A No Dongle message indicates the port is bad. If the game starts, the port is working. After the test, reconnect all devices to the correct USB ports and reboot.
<b>No sound or bad sound.</b>	Bad connection.	Check connection to speakers.
	Volume set too low.	Use VOL UP button on Test panel to raise volume.
	Faulty wiring.	Verify all wires are firmly connected to the speakers, PCB, and green computer audio port. Verify that each wire is connected to the correct port and no wires are frayed or improperly shorting to ground.
	Blown speakers.	Remove the grill and inspect each speaker for visible damage. Run the Sound Test from System Tests in the Operator Menu to verify each speaker is working.
	Reversed wires.	A weak or low muffled sound is a sign of reversed speaker wires. Check for reversed wires on each speaker.
Faulty PCB.	To verify audio is working at the computer, connect stereo headphones to the green computer audio port.	

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<b>Problem</b>	<b>Possible Cause</b>	<b>Solution</b>
<b>Constant low audio hum.</b>	Faulty power supply.	Check external DC supply and the PC supply.
	Open ground.	Check all ground wires in cabinet. Ensure AC wall outlet is properly grounded.
<b>Game does not load.</b>	PC hard drive failure.	Recover hard drive. See Flash Installer Document or contact your distributor for the latest software revision.
<b>PC Drive test reports “bad” or “missing” files.</b>		
<b>Game fails to finish loading.</b>		
<b>After resetting, game still reports an error.</b>		
<b>Erratic game mode or attract mode.</b>		
<b>WARNING!</b> <b>Data files Corrupted.</b> <b>(Game Operation May Become Unstable.)</b> <b>Use “Test” Switch to Enter Test Mode and Run “File Test.”</b>		
<b>Game Resets</b>	Bad file.	Run Flash Installer.
<b>No Video</b>	PC not turned on.	Turn PC power switch on. Ensure IEC cable tightly plugged in. Trace cable back to source to ensure continuity.
	Video cable not secure.	Check and secure DVI or HDMI connector to Monitor. Check and secure DVI or HDMI connector to PC.
<b>Coin meter does not click during test.</b>	No pulse to meter.	Check wiring from meter to PCB board.
	Faulty meter.	Replace coin meter.
	Blown fuse(s) on PCB	Replace 12vdc 5A fuse(s) on PCB.

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<b>Problem</b>	<b>Possible Cause</b>	<b>Solution</b>
<b>Dongle Not Present</b>	Dongle missing or disconnected.	Find dongle cable and reseal in USB port.
	Faulty USB port.	Insert dongle cable in different USB port.
<b>Improper number of credits given when coins or bills are inserted.</b>	Incorrect setting in Pricing Adjustments.	Adjust pricing settings.
	Faulty wiring.	Disconnect cabinet from AC power. Verify wires are firmly connected to coin mech and bill validator and ground wires are properly connected. Verify no wires are frayed or shorting to ground.
	Faulty coin mech.	Verify coin mech is not jammed. Ensure coin mech is properly aligned and latched to coin door.
<b>Exits Test Mode every 3 seconds.</b>	Test button stuck in ON position.	Slide or toggle button off after Test Menu appears.
<b>Connect RIO Board or RIO Board Missing.</b>	USB cable disconnected.	Check USB connection from PC to RIO board.
	No Power to RIO board.	Check for proper voltage (+5V, +12V) at RIO P1 connector.

## Technical Support

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For an authorized distributor near you, check the Raw Thrills website at [www.rawthrills.com](http://www.rawthrills.com)

### **Betson's Raw Thrills Technical Support Hotline**

Phone: 1-800-753-2513

FAX: 1-201-438-5019

Email: [rtsupport@betson.com](mailto:rtsupport@betson.com)



## Additional Information

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To view additional information regarding your King Kong of Skull Island cabinet please scan the QR code (or if viewing on an electronic device) [click this link](#).