Setup and Operations Manual
**Safety**

**Operation**
Before operating game, read this manual. Failure to properly install and operate this game could result in malfunction or accident. Operate the game in accordance with the manual.

**Transporting**
The cabinet is very heavy. Because the monitor is high, the cabinet is also very top-heavy. Use appropriate care when moving or transporting cabinet. It contains fragile glass and electronic components. Avoid rough handling.

**Handling Components**
Many components are extremely sensitive to handling, environmental and Electrostatic Discharge (ESD) events—especially the computer. Do not handle it roughly. Before servicing, call your distributor and inquire about the PC warranty. Use proper ESD procedures when servicing. Protect components from harmful environmental conditions, such as extreme temperatures, excessive moisture or other damaging effects.

**Disconnect Power**
Always turn the power off and unplug the unit before servicing or making adjustments unless otherwise instructed. Installing or repairing components while power is on can damage the components and void the warranty.

**Grounding**
Avoid electrical shock. Do not plug in AC power until you have inspected and properly grounded the unit. Only plug into a grounded, three‐wire outlet. Do not use a “cheater” plug or cut off the ground pin on the line cord.

**Electrical Shocks**
There is no isolation transformer in the cabinet. Disconnect AC power before servicing. However, be aware that lethal voltages can remain in the electronic components even when AC power is disconnected. Use extreme caution when servicing. Verify that there is a working ground connection. If the unit sustains water damage, cease using it immediately and unplug AC power.

**Monitor**
The monitor contains no user serviceable parts. Do not attempt to service the monitor.

**Power Selector**
Whenever applicable: Before installing game, ensure the voltage on the PC and power supply is set properly. There is a 115/230 VAC selector switch that must be set for the correct voltage for your site. The setting must match the line voltage at the installation site.

**Power Cord**
If the power cord is damaged or lost, replace it with an identical cord as supplied by the manufacturer or an authorized service agent.

**Surge Supressor**
It is recommended that you plug your game’s power cord into a surge suppressor to help protect from power surges that may damage sensitive electronic components.
WATER AND OTHER LIQUID SOURCE
Do not install game near sprinkler or other water jet sources. Do not use water jet to clean game. Keep minimum clearance behind game and wall for proper ventilation but also prevent access of liquid from spills and sprays from entering ventilation holes.

CONNECTORS
When servicing machine, ensure all connectors mate properly. If connectors do not slip in easily, do not force them. Connectors are often keyed and only connect one way. Check for correct orientation.

COMPUTER
The computer contains sensitive components, including a hard drive. Do not handle it roughly. Call your distributor before servicing its internal components. Ask about warranty information as it relates to the PC.
Do not turn the PC power switch on or off. It should remain permanently in the ON position.
Cycle AC power on or off with the cabinet power switch.
A dongle has been inserted into one of the USB ports. This is required for game play.
Do not remove the dongle except for troubleshooting purposes.

TEMPERED GLASS WARNING
When handling the LCD display glass cover take especial care and set the glass down softly on a flat surface free of debris. The edge of the glass is sensitive to hard impact. Shattered glass from the can travel long distances and cause bodily injury. Use proper procedures when handling broken materials.

HAZARD TO EPILEPTICS
A small portion of the population has an epileptic condition that may cause seizures. Affected persons experience seizures while watching some television pictures or playing certain video games. People who have not had seizures may still have an undetected epileptic condition. If anyone in your family has experienced epilepsy symptoms (seizures or loss of awareness), consult your physical before using video games. While children play video games, a parent should observe. Be alert to the following symptoms: dizziness, altered vision, eye or muscle twitching, involuntary movements, loss of awareness, disorientation or convulsions. If you or your child experiences these symptoms, discontinue use immediately and consult your physician.

MANUAL
Keep this manual available and ready for use. Please check our website www.rawthrills.com for the latest information regarding this and other Raw Thrills products. If the game fails to function properly, turn off the machine and unplug the AC line cord. Contact your local distributor. Your warranty, when applicable, lasts 60 days from your purchase date. You may not reproduce this document or any of its contents without written authorization from Raw Thrills, Inc. or Play Mechanix™ Inc.

SPECIFICATIONS
For reasons, such as performance, this product’s specifications may change without notice. Federal patent, copyright and other intellectual property laws protect the content, devices and design of the game and its equipment.
Product Specifications

**Electrical Power**
United States, international and Japan
Inrush AC Current: 7 Amps
Operating AC Current: 5/2.5 Amps
Voltage: 100/115/230 VAC 50/60Hz

**Electrical Safety Notice:**
For continued protection against the risk of fire, use only specified fuse values.

**Dimensions**
Height: 93.50” (2.35 meters)
Width: 43.14” (1.20 meters)
Depth: 84.00” (2.013 meters)

**Electrical Safety Notice:** REPLACE FUSE WITH SPECIFIED FUSE RATING ONLY. DO NOT REPLACE FUSE WITH HIGHER THAN SPECIFIED RATING.

**RIO PCB Fuse Guide:**
+5 VDC - 3 amp Slow Blow (RIO MCU, START BUTTON)
+12 VDC - 5 amp Slow Blow (COIN DOOR, COOLING FANS, DASH LED)
*+12 VDC - AUDIO POWER USES A THERMAL FUSE, RIO F3

**Temperature**
50° F to 104° F
(10° C to 40° C)

**Humidity**
Must not exceed 95% relative humidity
SETUP

Archway Enclosure mounted to top of Main Cabinet with (2) 1/4-20x1 1/4" Long Hex Head Machine screws with flat and lock washers.

Marquee mounts to Main Cabinet with (4) 1/4-20x1" Long Torx Head Machine screws with flat and lock washers.

NOTE: MAKE ELECTRICAL CONNECTIONS BEFORE PUSHING CABINETS TOGETHER. TAKE CARE TO NOT CRUSH THE WIRES BY TUCKING IN THE EXTRA SLACK BACK INTO WIRE WAY.

Archway Enclosure is secured to Pedestal. See Pedestal exploded view for further detail.

Removal of Pedestal Assembly and Pedestal Mounting Struts required for passage thru 36" doorway. Lower Pedestal mounting hardware includes (6) 1/4-20x1 1/4" Long Torx Head Machine screws with flat and lock washers. There are an additional (8) 1/4-20x1 1/4" Long Hex Head Machine screws with flat and lock washer on the inside of Main Cabinet which need to be removed as well.
Check Electrical Settings

1. Verify the voltage in the nearest AC outlet.
2. Verify the AC outlet ground connection is present and working.

Startup Game

1. Plug in line cord to AC outlet.
2. Turn the power switch to ON.
3. Check that no component is excessively hot or emitting foul odors.
   *If not, turn off AC power and disconnect line cord. Refer to the diagnostic section of this manual.*

Diagnostics and Adjustments

The Service Button Panel has four buttons, which used to navigate the menu system. Additional test menu navigation options are also displayed on the screen.

![Diagram of buttons]

The **TEST** button enters the diagnostic system. **IMPORTANT NOTE:** You must hold down the **TEST** button for at least 2 seconds to Enter the Test Menu.

- Either Start button or **TEST** button selects the highlighted option.
- **VOL DOWN** button or moves down through menu or setting choices. (Service Panel **VOL UP** button or moves up through menu or setting choices.
- Service Button adds a single credit for each press or returns to previous screen on test mode.
- Test Menu screen navigation instructions and a description of each setting and adjustment option is displayed on the screen. All settings will be automatically saved upon exiting test mode.

Basic Functional Test On Initial Power Up
See the Diagnostic Section for further information.

1. Enter the Switch Test menu and verify all switches function.
2. Enter the Monitor Test menu and verify that video is acceptable.
3. Enter the Sound Test. Verify that speaker output is not distorted or missing.
4. Enter the Coin Meter Test and verify the operation of the coin meter.
5. Enter the Cabinet Lamps Test menu and verify that all cabinet lights work correctly.
6. Enter the Watchdog Test menu. This will automatically reboot the game. Verify that game loads and starts after rebooting.
7. Upon a successful reboot, you are ready to make adjustments to pricing, volume and other functions found in the Adjustments, Audits and Diagnostics section.
8. Take the time to play a test game to make sure that you are satisfied with your settings.
Main Menu

**DIAGNOSTICS MENU**

- SWITCH TEST
- SOUND TEST
- LIGHT TEST
- MONITOR TEST
- NETWORK TEST
- COIN METER TEST
- WHEEL TEST
- CAMERA TEST
- WATCHDOG TEST
- EXIT

This menu allows all game functions to be verified or diagnosed.

You can improve collections by periodically verifying proper game function and operation.
This allows customization of coin values, currency denominations, bill pulse and swipe value.

### Pricing Adjustments Menu

<table>
<thead>
<tr>
<th>CURRENCY TYPE</th>
<th>MAX CREDIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREE PLAY</td>
<td></td>
</tr>
<tr>
<td>CURRENCY TYPE</td>
<td></td>
</tr>
<tr>
<td>COIN SLOT 1 VALUE</td>
<td></td>
</tr>
<tr>
<td>COIN SLOT 2 VALUE</td>
<td></td>
</tr>
<tr>
<td>PLAYER COST</td>
<td></td>
</tr>
<tr>
<td>DBV PULSE VALUE</td>
<td></td>
</tr>
</tbody>
</table>

**GAME ADJUSTMENT**

- ATTRACT SOUND FREQUENCY
- ENABLE MULTIPLAYER FREE GAME
- QR CODES ENABLED
- NAME ENTRY/ HIGH SCORES
- DIFFICULTY
- METRIC SYSTEM

**SYSTEM ADJUSTMENTS**

- CAMERA ADJUSTMENTS
- AUTOMATIC VOLUME SYNC
- LANGUAGE
- SET SERIAL NUMBER
- SET VENUE
- SET LOCATION
- DEVELOPER MODE
- SET DATE AND TIME

**Network Adjustments**

Turn Network (Game Linking) feature On or Off. Assign Network ID for each unit.

- "Network machine ID": A unique number identifying this machine from the others. This is also the player's number. (For example, machine ID 1 will be named "Player 1" during a game.)
Check game audits periodically to detect errors or game related issues. Information here can help diagnose intermittent issues which may affect earnings potential.

**AUDITS**

- Gameplay Audits
- Combined Gameplay Audits
- System Audits
- Coin Audits
- View Error Log
- View Game Log
- System Information
- Export Audits and Errors to USB
- Export Core Dump to USB

Reset Audit items, saved data, credits or perform a factory reset. **Factory Reset will require a controls calibration.**

**UTILITIES**

- Reset All Audits
- Reset Coin Audits
- Reset Credits
- Reset High Scores
- Reset All Adjustments
- Reset Saved Player Date
- Factory Reset
Calibration of controls is an important part of game maintenance and up-keep to ensure maximum earnings. Heavy play might affect the way analog controls behave over a long period of time. Calibrate controls as part of your regular collection and maintenance schedule.

**CALIBRATION MENU**

**Step 1:** Turn the steering wheel to the left.
Wheel= 1972

**Press Start When Finished**

**Main Menu**

**Attract, Coin and Game Volume**

Each of the following sound levels are independently controlled to suit your location preference. Attract sound is an important part of creating interested in the game during slow traffic periods. Game volume adds to the player’s quality experience as well as generate interest from nearby spectators.

**VOLUME ADJUSTMENT**

- Game Volume: 12
- Coin Volume: 10
- Attract Volume: 10
Maintenance

Hard Drive Recovery

Symptoms requiring hard drive recovery include

- File Test reports bad or missing files.
- Game fails to finish loading during startup.
- After resetting the AC power, an error is reported.
- Erratic Game or Attract Mode.
- The following screen:

  ![WARNING!]

  CRC File Missing! Reinstall Software!
  File Damaged! Reinstall Software!
  File Missing! Reinstall Software!

The only way to repair corrupt files is to reinstall the software as described below:

**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.

1. With game and PC on, verify that the RIO board has power. If not, see Troubleshooting.
2. Open the Coin door.
3. Insert the recovery USB thumb drive (included in your game) into the open USB extension port on the test/service bracket.
4. Turn cabinet power switch to OFF. Wait 30 seconds.
5. Turn cabinet power switch to ON.
6. Select the “Cruis’n Blast” restore version from the menu and follow on screen instructions.
7. If recovery does not begin, check to ensure USB Drive is inserted correctly and is not damaged.
8. Initial software loading may take several minutes. Check progress periodically.
   *Do not interrupt power or reset the game during recovery.*
9. When software has been loaded, a message indicates that restore is complete. When instructed to remove USB Drive, remove the drive from the PC.
10. Turn cabinet power switch off.
11. After 30 seconds, turn cabinet power switch on.
12. Game will reboot and enter the Attract Mode.
13. Start a test game to make sure that game is operating normally.
**BIOS Settings/Power Management**

**NOTICE**
The PC ships with correct BIOS settings. Making changes to the BIOS different from the description below may adversely affect game functions.

This BIOS setting lets the PC automatically power up. With the setting enabled, the PC reboots when it detects AC power. This eliminates the need to manually turn the PC back on after power disruption.

Turn AC power on or off with the cabinet power switch. To access the BIOS Settings, you must insert a keyboard and hold the **F10** key while the PC is booting up. From the Menu, Select “BIOS Setup”

1. Turn cabinet power switch off.
2. Open rear of cabinet.
3. Connect a USB keyboard to the PC.
4. While holding the F10 key on the keyboard down, turn cabinet power switch on.
5. When the BIOS menu screen appears, make the following adjustments.
   Note: Below you will find the critical settings that are different than PC BIOS default settings. The settings below are critical for proper operation of the game. All other setting should be left to the PC default and do not require adjustment. For a full list of BIOS options, please contact your distributor.

- **STORAGE > BOOT ORDER >**
  - UEFI Boot Sources
    - ATAPI CD/DVD Drive
    - USB Floppy/CD
    - USB Hard Drive
  - Legacy Boot Sources
    - ATAPI CD/DVD Drive
    - USB Floppy/CD
    - Hard Drive
    - [DISABLED] Network Controller
- **ADVANCE POWER OPTIONS > POWER-ON OPTIONS >**
  - After Power Loss : ON
## Troubleshooting

**Warning:** Review safety chapter before making any adjustments to game.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Game will not power up.</td>
<td>Game not plugged in</td>
<td>Plug game into AC outlet.</td>
</tr>
<tr>
<td></td>
<td>Game not turned on</td>
<td>Turn on main power switch.</td>
</tr>
<tr>
<td></td>
<td>Game fuse is blown.</td>
<td>Check and replace fuse.</td>
</tr>
<tr>
<td></td>
<td>No power to receptacle</td>
<td>Test AC outlet and plug game into powered outlet.</td>
</tr>
<tr>
<td></td>
<td>PC not turned on.</td>
<td>Turn ON main AC power switch. Depress AC resettable switch. Replace or swap 12VDC power supply or RIO pcb.</td>
</tr>
<tr>
<td></td>
<td>PC BIOS set incorrectly.</td>
<td>See BIOS Settings chapter.</td>
</tr>
<tr>
<td>Buttons do not work</td>
<td>Faulty micro switch</td>
<td>Replace the micro switch on the button and re-test. Verify that the wires are connected to the correct spades on the micro switch</td>
</tr>
<tr>
<td></td>
<td>Faulty wiring</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>Faulty PCB</td>
<td>Ensure all connections to PCB are secure. Replace PCB if faulty.</td>
</tr>
<tr>
<td>Neither buttons nor audio work</td>
<td>PCB connected to faulty USB port (boot message may indicate not detected)</td>
<td>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.</td>
</tr>
<tr>
<td>No sound or bad sound</td>
<td>Bad connection</td>
<td>Check connection to speakers.</td>
</tr>
<tr>
<td></td>
<td>Volume set too low</td>
<td>Use VOL UP button on Test panel to raise volume</td>
</tr>
<tr>
<td></td>
<td>Faulty wiring</td>
<td>Verify all wires are firmly connected to the speakers, PCB, and green computer audio port.</td>
</tr>
<tr>
<td>Problem</td>
<td>Possible Cause</td>
<td>Solution</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>-----------------------</td>
<td>----------------------------------------------------</td>
</tr>
<tr>
<td>Constant low audio hum</td>
<td>Faulty power supply</td>
<td>Check external DC supply and the PC supply.</td>
</tr>
<tr>
<td>Faulty PCB</td>
<td>To verify audio is working at the computer, connect stereo headphones to the green computer audio port.</td>
<td></td>
</tr>
<tr>
<td>Blown speakers</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Reversed wires</td>
<td>A weak or low muffled sound is a sign of reversed speaker wires. Check for reversed speaker wires on each speaker.</td>
<td></td>
</tr>
<tr>
<td>Open ground</td>
<td>Check all ground wires in cabinet. Ensure AC wall outlet is properly grounded</td>
<td></td>
</tr>
<tr>
<td>LCD display flicker or fail to light.</td>
<td>Bad connection</td>
<td>Check for snug connection at inverter or under topper bracket.</td>
</tr>
<tr>
<td>Loose end caps</td>
<td>Tighten end caps.</td>
<td></td>
</tr>
<tr>
<td>Game does not load.</td>
<td>Hard drive failure</td>
<td>Recover hard drive.</td>
</tr>
<tr>
<td>Hard drive test reports “bad” or “missing” files.</td>
<td>Hard drive failure</td>
<td>Recover hard drive.</td>
</tr>
<tr>
<td>Game fails to finish loading.</td>
<td>Hard drive failure</td>
<td>Recover hard drive.</td>
</tr>
<tr>
<td>Game suggests inserting a boot (USB DRIVE)</td>
<td>Hard drive failure</td>
<td>Recover hard drive.</td>
</tr>
<tr>
<td>Erratic game mode or attract mode.</td>
<td>Hard drive failure</td>
<td>Recover hard drive.</td>
</tr>
</tbody>
</table>

**WARNING!**

Data Files Corrupted. (Game Operation May Become Unstable.)

Use “Test” Switch to Enter Test Mode and Run “File Test.” Press Start to Continue.
<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coin meter does not click during Test.</td>
<td>No pulse to meter</td>
<td>Check wiring from meter to RIO board.</td>
</tr>
<tr>
<td></td>
<td>Faulty meter</td>
<td>Replace coin meter</td>
</tr>
<tr>
<td>Improper number of credits given when coins or bills are inserted</td>
<td>Incorrect setting in Adjustments</td>
<td>Adjust settings</td>
</tr>
<tr>
<td></td>
<td>Faulty wiring</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>Faulty coin mech</td>
<td>Verify coin mech is not jammed. Ensure coin mech is properly aligned and latched to coin door.</td>
</tr>
<tr>
<td>Coin meter does not work</td>
<td>Blown fuse(s) on RIO PCB</td>
<td>Replace 5V on RIO PCB</td>
</tr>
<tr>
<td>Exits Test Mode every 3 seconds</td>
<td>Test button stuck in ON position</td>
<td>Slide or toggle button off after Test Menu appears</td>
</tr>
<tr>
<td>NO VIDEO message</td>
<td>Video cables not plugged in properly</td>
<td>Reattach and tighten power and video cable to monitor.</td>
</tr>
<tr>
<td>No Signal</td>
<td>Video or power cable not secure</td>
<td>Check and secure cable.</td>
</tr>
<tr>
<td></td>
<td>PC not turned on</td>
<td>Turn PC power switch on. Ensure IEC cable tightly plugged in. Trace cable back to source to ensure continuity.</td>
</tr>
<tr>
<td>Dongle Not Present</td>
<td>Dongle missing or disconnected</td>
<td>Find dongle cable and reseat in USB port</td>
</tr>
<tr>
<td></td>
<td>Faulty USB port</td>
<td>Insert dongle cable in different USB port</td>
</tr>
<tr>
<td>Connect RIO Board or RIO Board Missing</td>
<td>USB cable disconnected</td>
<td>Check USB connection from PC to RIO board</td>
</tr>
<tr>
<td></td>
<td>No power to RIO board</td>
<td>Check for proper voltage (+5V, +12V) at P2 connector</td>
</tr>
</tbody>
</table>

Possible Cause | Solution |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Networking not enabled</td>
<td>Switch Network to &quot;ON&quot; in test menu =&gt; Network Adjustments</td>
</tr>
<tr>
<td>Single game won’t link to other linked games</td>
<td>Two machines have the same network ID</td>
</tr>
<tr>
<td>Networking not enabled</td>
<td>Switch Network to &quot;ON&quot; in test menu of all games =&gt; Network Adjustments</td>
</tr>
<tr>
<td>No games will link</td>
<td>Network hub or switch not powered.</td>
</tr>
<tr>
<td>Issue</td>
<td>Solution</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Network hub or switch is faulty.</td>
<td>Replace network hub or switch.</td>
</tr>
<tr>
<td>Multiple machines have the same network ID</td>
<td>Make sure all linked machines have different IDs. Make sure to allow the game to reboot itself (not power-cycle!) after changing network IDs.</td>
</tr>
<tr>
<td>No games will link Machine disconnected mid-game</td>
<td>Two games linked directly with network cable are linked with faulty cable. If not using a hub or switch, make sure two games are linked with cross-over network cable.</td>
</tr>
<tr>
<td>Temporary network failure</td>
<td>Allow the game to return to attract mode or the test menu. It will reconnect automatically.</td>
</tr>
</tbody>
</table>
SYSTEM DIAGRAM
AND
MECHANICAL ILLUSTRATIONS
CRUIS’N GAME ASSEMBLY

SEE MARQUEE EXPLODED VIEW FOR ASSEMBLY INSTRUCTIONS TO MAIN CABINET.

SEE EXPLODED VIEW FOR ASSEMBLY INSTRUCTIONS TO MAIN CABINET.

RAW THRILLS, INC

TITLE: CRUIS’N ASSEMBLY DETAILS

SIZE: DWG. NO: CRUIS’N REV: 1

SCALE: 1:16 WEIGHT: SHEET 1 OF 10

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES

TOLERANCES:

FRACTIONAL
ANGULAR: MACH BEND ANGULAR MATCH

TWO PLACE DECIMAL
THREE PLACE DECIMAL

INTERPRET GEOMETRIC TOLERANCING PER:

G.A.

Q.A.

RAW THRILLS, INC

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PROPRIETARY AND CONFIDENTIAL

Q.A.

MFG APPR.

ENG APPR.

DRAWN

CHECKED

NAME DATE

COMMENTS:

RAW THRILLS, INC

NAME DATE

COMMENTS:

Q.A.

MFG APPR.

ENG APPR.

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MFG APPR.

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DRAWN

CHECKED

Q.A.

MFG APPR.

ENG APPR.

DRAWN

CHECKED

Q.A.

MFG APPR.

ENG APPR.
PEDESTAL AND MARQUEE MOUNTING TO MAIN CABINET ASSEMBLY

Archway Enclosure mounted to top of Main Cabinet with (2) 1/4-20x 1 1/4" Long Hex Head Machine screws with flat and lock washers.

Removal of Pedestal Assembly and Pedestal Mounting Struts required for passage thru 36" doorway. Lower Pedestal mounting hardware includes (6) 1/4-20x 1 1/4" Long Torx Head Machine screws with flat and lock washers. There are an additional (8) 1/4-20x 1 1/4" Long Hex Head Machine screws with flat and lock washers on the inside of Main Cabinet which need to be removed as well.

Marquee mounts to Main Cabinet with (4) 1/4-20x 1" Long Torx Head Machine screws with flat and lock washers.

Archway Enclosure is secured to Pedestal. See Pedestal exploded view for further detail.
<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>601-00743-01</td>
<td>CRUISN Main Cabinet</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>601-00767-01</td>
<td>CRUISN Monitor Assy</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>601-00768-01</td>
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<td>601-00731-01</td>
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**RAW THRILLS, INC**

**CRUISN-MAIN CABINET ASSY**

**SIZE**

**DRAWN**

**CHECKED**

**ENG APPR**

**Q.A.**

**MFG APPR.**

**REVDWG. NO.**

**NAME DATE**

**COMMENTS**

**DIMENSIONS ARE IN INCHES**

**TOLERANCES:**

- [X] FRACTIONAL
- [X] TWO PLACE DECIMAL
- [X] THREE PLACE DECIMAL

**INTERPRET GEOMETRIC TOLERANCING PER:**

- [ ] ASME Y14.5

**SCALE:** 1:16

**WEIGHT:**

**SHRRT 4 OF 10**
CRUIS'N SPEAKER BEZEL ASSEMBLY

CRUIS'N MARQUEE ASSEMBLY
SHIPPED SEPARATE-ASSEMBLY TO CABINET REQUIRED

FASTEN MARQUEE ASSEMBLY TO TOP OF MAIN CABINET USING (4) 1/4-20 X 1" TORX HEAD MACHINE SCREWS WITH LOCK AND FLAT WASHERS. PLUG IN LIGHTING HARNESS.

CRUIS'N MARQUEE ASSEMBLY

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
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<tbody>
<tr>
<td>1</td>
<td>603-00777-01</td>
<td>Cruis'n-Speaker Bezel-Vac Formed-RED</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>500-0162-73</td>
<td>LED Strip White w/Foam Tape 73CM</td>
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<tr>
<td>3</td>
<td>600-01878-01</td>
<td>Cruis'n-Bezel Light Lens (2) Req'd</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>600-01769-01</td>
<td>Cruis'n Speaker Grille (2)</td>
<td>2</td>
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<tr>
<td>5</td>
<td>600-01839-01</td>
<td>Cruis'n-Leader Overlay Panel</td>
<td>1</td>
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<td>6</td>
<td>606-01121-01</td>
<td>Cruis'n-Leader Overlay Panel</td>
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<tr>
<td>7</td>
<td>500-00222-01</td>
<td>YELLOW LED Superpuck PCB</td>
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<td>8</td>
<td>500-00221-01</td>
<td>PURPLE LED Superpuck PCB</td>
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CRUIS'N SPEAKER BEZEL ASSEMBLY

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<tbody>
<tr>
<td>1</td>
<td>603-00776-01</td>
<td>Cruis'n Marquee Vac Form w Inserts</td>
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<tr>
<td>2</td>
<td>600-01766-01</td>
<td>Cruis'n Header Bracket L</td>
<td>1</td>
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<tr>
<td>3</td>
<td>600-01765-01</td>
<td>Cruis'n Header Bracket R</td>
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<tr>
<td>4</td>
<td>500-00162-100</td>
<td>Cruis'n Marquee White LED Strip (100&quot;)</td>
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<tr>
<td>5</td>
<td>606-01124-01</td>
<td>Cruisn Marquee Translight</td>
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<tr>
<td>6</td>
<td>600-01838-01</td>
<td>Cruis'n-Marquee-Clear overlay</td>
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<tr>
<td>7</td>
<td>TORX 1-1/4</td>
<td>TORX 1-1/4 INCH, LOCK AND FLAT WASHER</td>
<td>4</td>
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<td>8</td>
<td>600-01838-01</td>
<td>Cruisn Marquee Translight</td>
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# Cruis'n Seat Assembly

## Cruis'n Seat Sub-Assembly

<table>
<thead>
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<th>Item No.</th>
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<tbody>
<tr>
<td>1</td>
<td>603-00523-01</td>
<td>Plastic Seat-Red</td>
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<tr>
<td>2</td>
<td>2-11-00-00-000</td>
<td>Speaker-Woofer-6.5&quot; 4 Ohm</td>
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<tr>
<td>3</td>
<td>600-00106-01-</td>
<td>Woofer-Grill</td>
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<tr>
<td>4</td>
<td>500-00162-01-86CM</td>
<td>Rear Seat White LED</td>
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<td>5</td>
<td>600-01840-01-</td>
<td>Cruis'n Seatback Clear Overlay</td>
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<tr>
<td>6</td>
<td>600-00105-01-</td>
<td>Seat-Headrest-Speaker-Grill</td>
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<td>7</td>
<td>600-01886-01-</td>
<td>Cruis'n Seatback Blockout Plate</td>
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<td>8</td>
<td>606-01122-01-</td>
<td>Cruis'n Seatback Translight</td>
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<td>9</td>
<td>600-01840-01-</td>
<td>Cruis'n Seatback Clear Overlay</td>
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## Cruis'n Seat Assy

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<tbody>
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<td>CRUIS'_SEAT-ASSY</td>
<td>CRUIS'_SEAT-ASSY (see exploded)</td>
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<tr>
<td>2</td>
<td>600-01785-01-</td>
<td>Cruis'n Seat Mounting Bracket-Weld</td>
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### CRUIS'N RIO-ASSEMBLY

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<td>2</td>
<td>500-00040-01</td>
<td>RIO-board</td>
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<td>3</td>
<td>500-00194-01</td>
<td>5V, 5A Switching Regulator PCB (12V input)</td>
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<td>4</td>
<td>500-00037-01</td>
<td>Wheel-Driver Board</td>
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### CRUIS'N A/C PLATE-ASSEMBLY

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<td>PLATE, AC - LINE FILTER, CIRCUIT BREAKER, ON/OFF SW</td>
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<td>Power Inlet Receptacle</td>
<td>IEC Appliance Inlet, Screw-on Mounting, Front Side, Quick-connect, 10A</td>
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<tr>
<td>3</td>
<td>T9-611-5A</td>
<td>CB Electrical Circuit Breakers: 5 Amp Circuit Breaker for Equipment thermal, Snap-in type, Fuseholder style, 1 pole</td>
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<tr>
<td>4</td>
<td>ON_OFF AC-SWITCH</td>
<td>Rated 16amps @ 125 volts AC and 5amps @ 30 volts DC. Maximum voltage is 250 AC and 72 DC. UL recognized and CSA certified.</td>
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### NOTES

- **CABLE TO PC**: Indicates a connection point.

---

**RAW THRILLS, INC**

**DRAWN: NAME DATE COMMENTS**

**CHECKED:**

**ENGINEERED BY:**

**Dwg. Appr. MFG Appr. Eng Appr.**

**Comments:**

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**Interpret geometric tolerancing per:**

- Dimensions are in inches, tolerances ±0.005, angular ±0.01°.
- Dimensions are in millimeters, tolerances ±0.25 mm, angular ±0.01°.

**UNLESS OTHERWISE SPECIFIED:**

- Dimensions are in inches, tolerances ±0.005, angular ±0.01°.
- Dimensions are in millimeters, tolerances ±0.25 mm, angular ±0.01°.

**Degrees:**

- Two place decimal
- Three place decimal

**Comments:**

- Do not scale drawing.
SERVICE CONTACT INFORMATION:

Contact Betson Enterprise Headquarters or your local Betson office for sales, technical information, warranty or repair.

Betson can be reached at (800) 524-2343 Fax (201) 438-4837 www.betson.com

**Betson Enterprises Headquarters**
303 Paterson Plank Rd.
Carlstadt, NJ 07072
(800) 524-2343 or (201) 438-1300
fax (201) 438-4837