Godzilla Kaiju Wars VR™
Operator's Manual

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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 upper monitor assembly weighs approximately 95 lbs. and the installation requires a minimum of three people, using two 6-foot step ladders (minimum height). It is preferred that the main cabinet be moved to or very near its desired operational location before beginning any of the set-up tasks. It is also strongly recommended that the game NOT be moved with the monitor installed in the upright position. 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, contact 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 monitors contain no user serviceable parts. Do not attempt to service the monitors.

Power Selector

The game is fixed for operation at either 120VAC or 230VAC, indicated by a large orange label on the back of the cabinet. The accepted AC mains voltage cannot be modified by the operator.

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 Suppressor

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 Sources

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 computers contain sensitive components, including a hard drive. Do not handle it roughly. Contact your distributor before servicing its internal components. Ask about warranty information as it relates to the PC.
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 special 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 monitor can travel long distances and cause bodily injury. Use proper procedures when handling broken materials.

Ventilation

It is critical that the game is installed in a manner that allows for proper ventilation and air flow. Game must be installed so that there is a minimum amount of clearance between the wall or another game to allow good air circulation through the game cooling fan and vents.

Hazard to Epileptics

A small portion of the population has an epileptic condition that may cause seizures. Affected persons experience seizure 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. If the game fails to function properly, turn off the machine and unplug the AC line cord. Contact your local distributor. You may not reproduce this document or any of its contents without written authorization from Raw Thrills, 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.
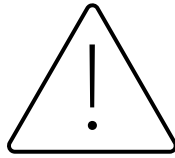
⚠ CAUTION

- This machine features moving parts and should only be serviced by a trained and experienced technician.
- Turn off all power and air supply before servicing the machine.
- Keep area around the machine clear and free of objects that present a trip hazard. Allow for plenty of room for players to safely enter and exit the machine.
- Observe ALL of the following guidelines to prevent injury, accident, or damage.
  - Maximum of two persons on the machine at any time.
  - If a player fatigues or experiences motion sickness or is unable to continue the game for any reason, stop the game motion immediately by pressing the MOTION STOP button. Allow the person to rest and exit the game with assistance if needed.
  - Remain seated for the entire duration of the game. Do not stand or exit while the game is moving. Press the MOTION STOP button before exiting the game.
  - Keep hands and legs inside the game at all times while in motion. Remain in the game until game comes to a complete stop.
  - Do not attempt to reach for objects on the floor or near the game when it is moving. Stay clear and stand at a safe distance while game is in motion.
  - Small children should always be accompanied by a parent or guardian.
- The machine is equipped with safety features which the operator and the player need to be familiar with:
  - There is a MOTION STOP button located in between of player 1 and 2. This button will stop the motion feature once pressed.
  - Bellows around the moving part of the machine prevent access between the base and the moving part. Make sure that the bellows are not damaged or showing signs of excessive wear that could lead to failure. Replace the bellows when this occurs. Use only tamper proof screw fasteners as specified.
  - The machine is designed so that there is no unintended movement in the absence of a logic signal as might be experienced during a power outage. Make sure that the machine is safe to operate before turning power back ON.
- Critical parts should be maintained and inspected regularly for safe operation. If those critical parts are damaged, broken, or installed incorrectly, replace them, or install correctly. Use only manufacturer's specified parts for continued safety and reliability. Contact your distributor to order replacement parts.

Product Specifications

Electrical Power

MULTIPLE POWER SUPPLY ENTRIES

Warning: Before obtaining access to terminals, all supply circuits must be disconnected.

Attention: Avant d'accéder aux bornes, tous les circuits d'alimentation doivent être déconnectés.

United States, Canada
Voltage: 120VAC / 60 Hz
Operating AC Current: 20 Amps (10 Amps per entry)

International
Voltage: 230VAC / 50Hz
Operating AC Current: 10 Amps (5 Amps per entry)

Temperature

50° F to 104° F
(10° C to 40° C)

Humidity

Must not exceed 95% relative humidity

Dimensions

134"H x 62"W x 108"D (341cm H x 158cm W x 275cm D)
Approximate weight 1627lbs. (~739kg)
No Topper installed:
114"H x 62"W x 108"D (290cm H x 158cm W x 275cm D)
Recommended minimum floor space requirement:
140.00"H x 100"W x 120"D (356cm H x 254cm W x 305cm D)

Fuse Replacement Guide

NOTE: FOR CONTINUED PROTECTION AGAINST FIRE AND ELECTRICAL DAMAGE, USE ONLY SPECIFIED FUSE TYPE AND VALUE.

Power Distribution

Please see unit for specified fuse labeling.
Abbreviations:

5A 250V	5A, 250VAC Fast Acting 3AG Fuse	Littelfuse 0312005.MXP (or equivalent)
10A 250V	10A, 250VAC Fast Acting 3AG Fuse	Littelfuse 0312010.MXP (or equivalent)
2A 250V	2A, 250VAC Slow Acting 3AG Fuse	Littelfuse 0313002.MXP (or equivalent)

Setup

Safety Notice

Installing this product requires three individuals able to lift heavy objects safely. Two 6-foot step ladders (minimum height) are required as part of the installation process. Make sure that you are familiar with the manual contents, game setup, and operations before you begin the installation process. Do not push or pull on the decorative items when completing the assembly to prevent damaging these parts. Be aware of your surroundings and individuals around you during the assembly process for your safety and the safety of others. Work only in an area with sufficient lighting and a clean, level surface.

Unpack Materials

1. Place the shipping crate(s) on a flat, stable surface.
2. Cut the banding straps and remove the cardboard, plastic sleeve, foam, and other packing materials.
3. Stage all sub-assemblies and components near the final assembly area.
4. Locate the keys taped to the coin door on the motion platform.
5. Check for shipping damage to the following:
   - Monitor(s)
   - Monitor bracket
   - Headset arm(s)
   - Headset(s)
   - Cabinet decals
6. Check the AC line cords for visible signs of damage.
   Pay particular attention to the plug and line cord insulation.

Required Tools

1. (2) 6-foot step ladders (**minimum height**)
2. Power drill/driver
3. Screwdriver bit adapter and the following bits
   a. T-27 tamper resistant Torx bit
   b. T-25 tamper resistant Torx bit
   c. Phillips
4. Ratcheting socket wrench and the following sockets
   a. 7/16" socket
   b. 13mm socket

Check the Godzilla Kaiju Wars VR™ game page for the most up to date info!

rawthrills.com/games/godzilla-vr/

Cabinet Assembly
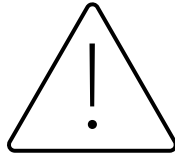
⚠ CAUTION

UNDER NO CIRCUMSTANCES SHOULD THIS GAME BE OPERATED UNLESS ALL INSTALLATION PROCEDURES HAVE BEEN COMPLETED AND ALL SAFETY FEATURES HAVE BEEN POSITIVELY TESTED AND ARE FULLY FUNCTIONAL!

It is recommended that the monitor cabinet be moved to or very near its desired operational location before beginning any of the assembly tasks.

Install Spacer Bracket and Connect Motion Platform to Monitor Cabinet

1. Locate spacer bracket sub-assembly with hardware bag and loose block (note (4) additional sets of bolts installed on bracket which will be used later to install wood spacer cap panel). Bring components near the motion platform and monitor cabinet along with 7/16" socket driver.
2. Tuck platform's cables and tubing into access holes to avoid crushing, use loose block as assembly aid, and align spacer bracket with (4) mounts on motion platform. Use 7/16" socket with 1/4"-20 x 3/4" bolts with external tooth lock washers to secure spacer bracket to motion platform. (*IMAGE 1-1*)

USE 7/16" SOCKET TO
SECURE SPACER BRACKET
TO PLATFORM

NOTE:
TAKE CARE TO NOT CRUSH OR
DAMAGE CABLES OR AIR TUBES
WHEN INSTALLING SPACER BRACKET
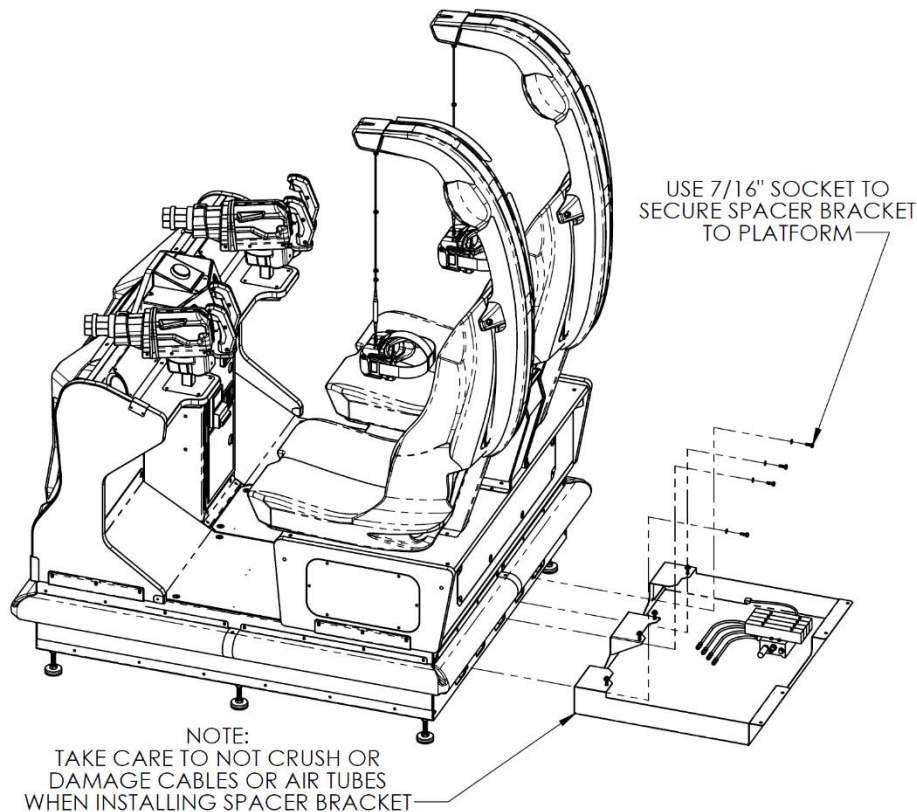
IMAGE 1-1

3. Next, roll the motion platform in front of monitor cabinet, orient the spacer bracket to be flush and centered onto cabinet's wood ledge and aligned with (6) mounts. Use 7/16" socket with 1/4"-20 x 1" bolts with split lock washers to secure to monitor cabinet. (*IMAGE 1-2*)

USE 7/16" SOCKET TO SECURE SPACER BRACKET TO CABINET
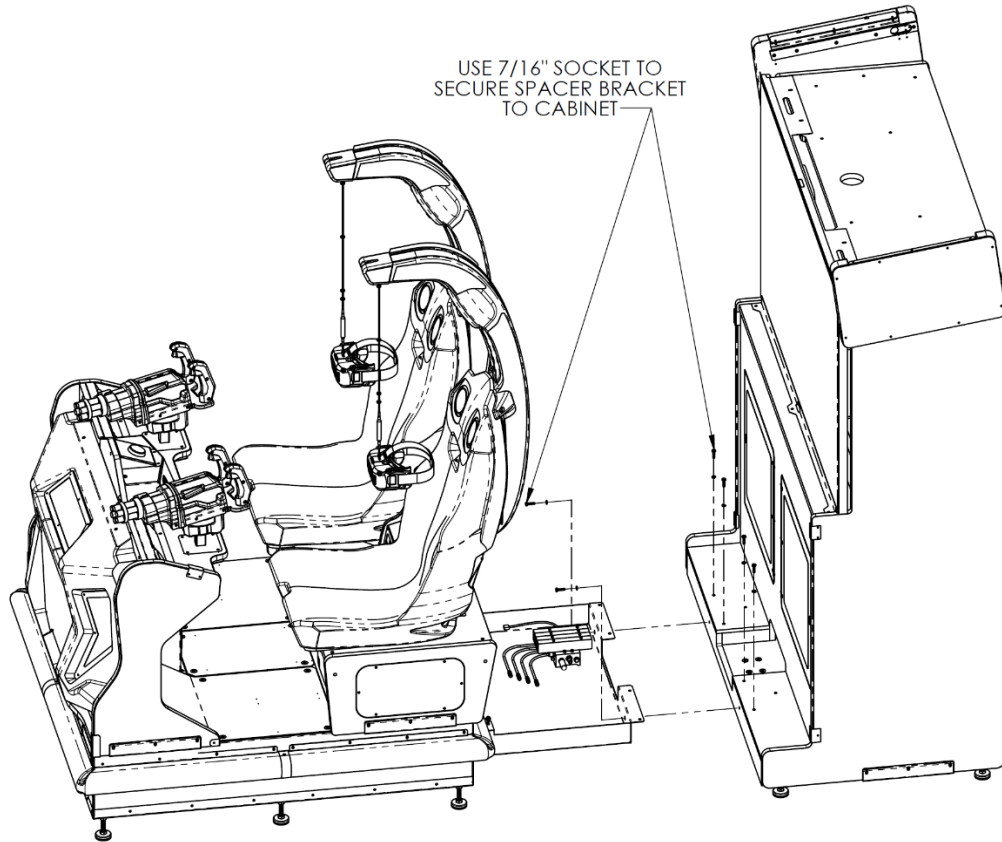
IMAGE 1-2

4. Save remaining screws, including those attached to bracket, for mounting spacer cap panel.

Install Upper Monitor Mounting Bracket

NOTE: It is <u>strongly recommended</u> that the game NOT be moved once the upper monitor is installed. Access to back doors will be required in future steps. Plan for adequate AC power and future rear service access needs before completing the next steps.

1. Locate the upper monitor mounting bracket sub-assembly with hardware bag. Set up ladders next to the monitor cabinet.
2. Place upper monitor mounting bracket in position on top of the cabinet, such that (4) mounting slots in bracket align with corresponding holes on cabinet (DO NOT DROP). Use 1/4"-20 x 1-1/4" bolts with split lock washers and flat washers and hand-tighten the bracket in place. These (4) bolts will be fully tightened using 7/16" socket once the upper monitor has been installed. (*IMAGE 2-1*)

HAND-TIGHTEN BOLTS
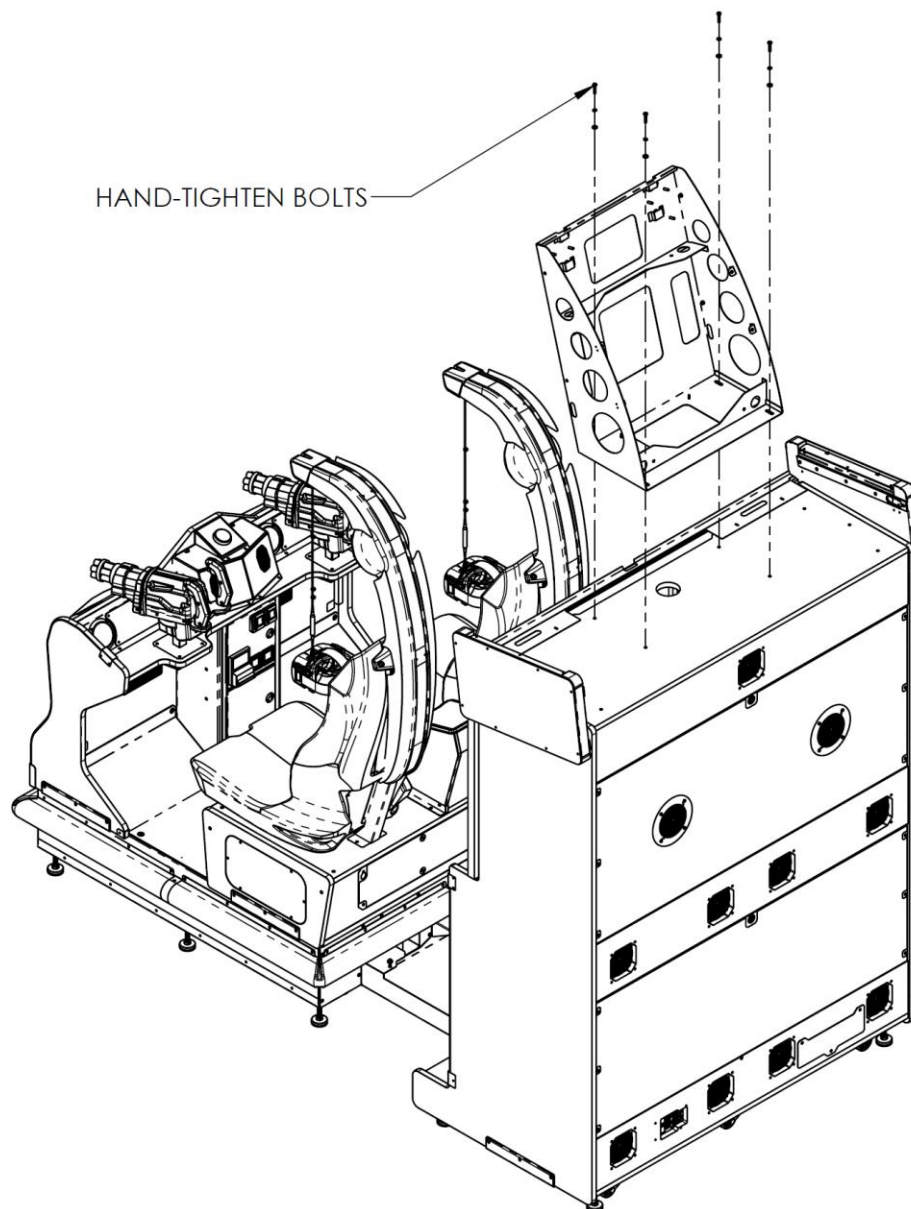
IMAGE 2-1

Install Hanger Bracket on Upper Monitor

1. Locate universal hanger bracket with accompanying hardware bag and boxed Samsung QB65C monitor. Lay out (4) M8 x 50MM bolts and split lock washers, (4) spacers, and 13MM socket driver. Save (4) 1/4"-20 x 3/4" bolts and split lock washers for future step.

2. After carefully unpacking Samsung QB65C monitor, place hanger bracket over top edge of monitor centered on VESA mounts, while monitor is preferably held upright securely. Place spacers in line with VESA mounts and install M8 bolts with split lock washers to secure the hanger bracket to monitor (DO NOT OVERTIGHTEN). (IMAGE 3-1 & 3-2)

USE 13MM SOCKET TO
SECURE HANGER BRACKET
TO SAMSUNG QB65C
(DO NOT OVERTIGHTEN)

IMAGE 3-1

HANGER BRACKET
WILL RETAIN TOP EDGE
OF SAMSUNG QB65C
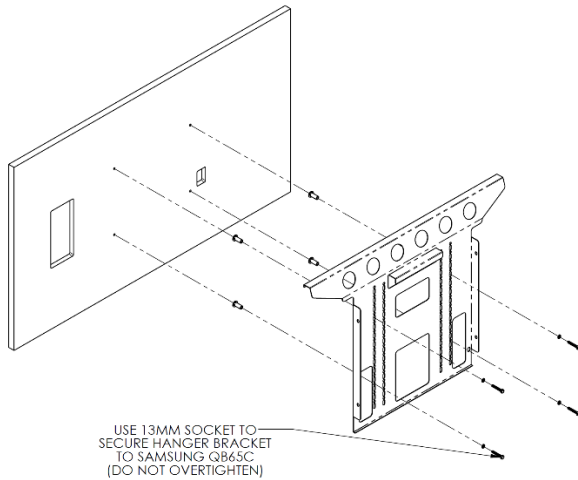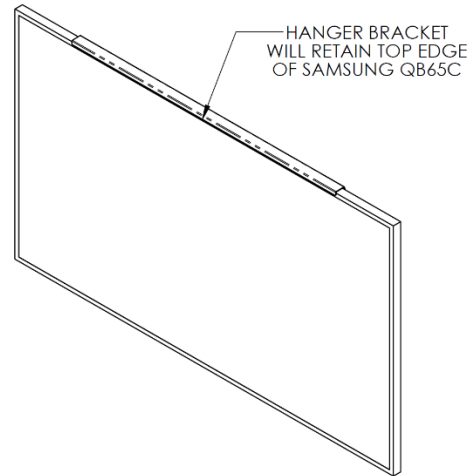
IMAGE 3-2

3. Place remaining bolts with washers and 7/16" socket atop cabinet for next steps.

Install Upper Monitor on Mounting Bracket

1. With ladders set up next to game, (2) individuals should carry the monitor over to cabinet.
2. Climb the ladders and hang the monitor over the mounting bracket, while making sure that the lower edge of monitor is retained behind the full-width cross bracket attached to the top front edge of monitor cabinet. As necessary, shift the mounting bracket back to create space. (**IMAGE 4-1**)

HANG QB65C ONTO
MOUNTING BRACKET
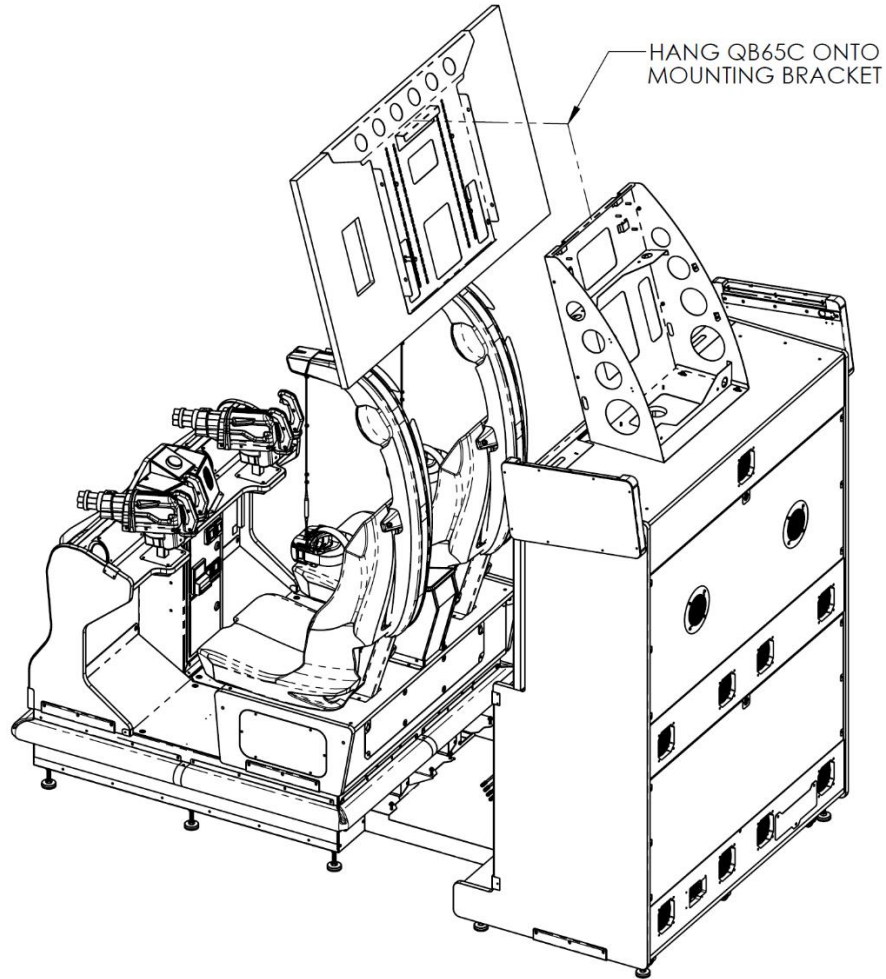
IMAGE 4-1

3. (IMPORTANT) Center monitor and use 7/16" socket with 3/4" bolts and washers to secure hanger to mounting bracket. (**IMAGE 4-2**)

USE 7/16" SOCKET TO
SECURE HANGER BRACKET
TO MOUNTING BRACKET

USE 7/16" SOCKET
TO FULLY TIGHTEN
MOUNTING BRACKET
WHEN COMPLETE
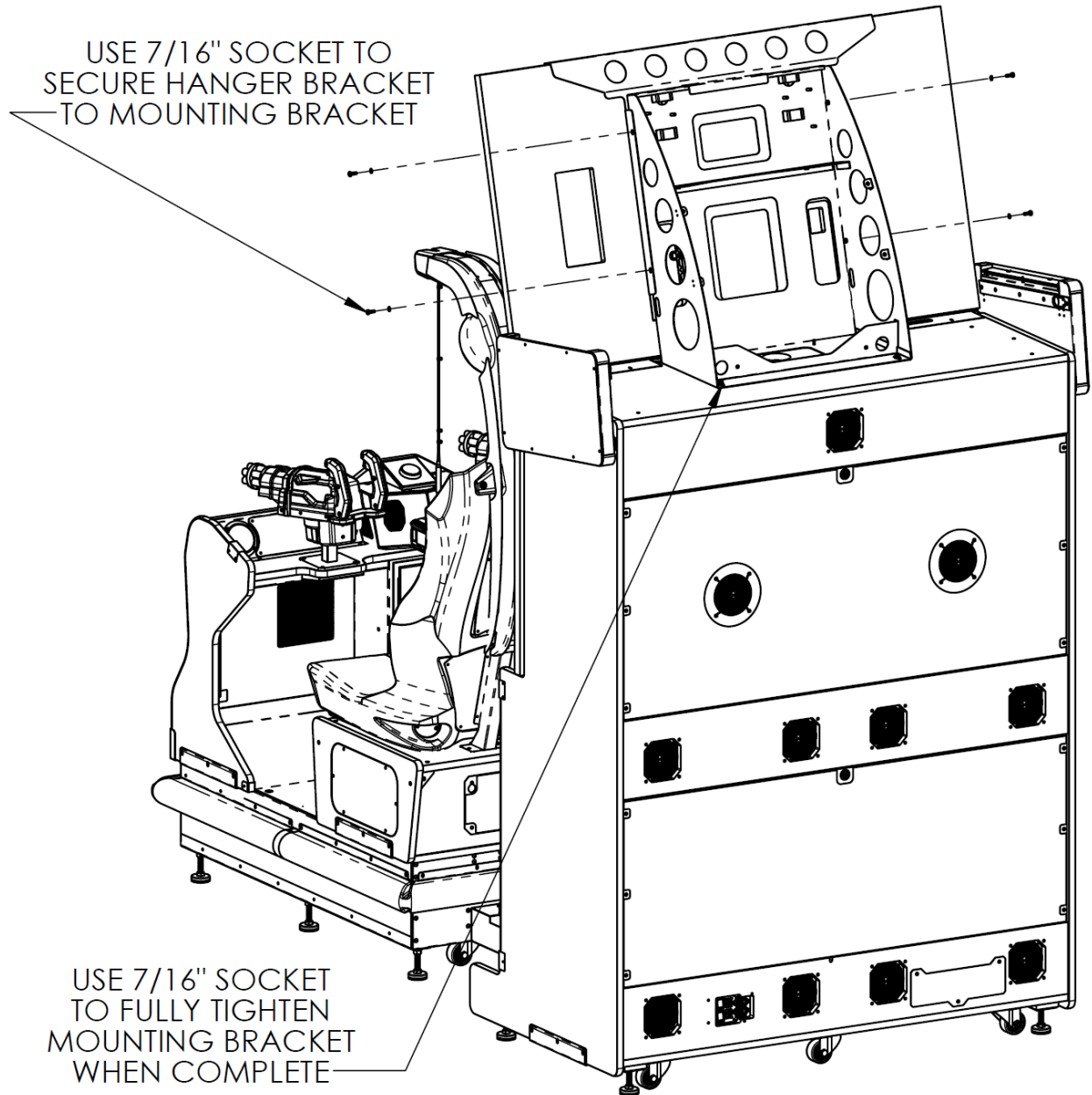
IMAGE 4-2

4. Nudge mounting bracket forward such that lower edge of monitor is flush with cross bracket, then use 7/16" socket to fully secure the (4) bolts that were hand-tightened when mounting bracket was installed on top of the cabinet.

Install Topper Support Brackets

1. Use Phillips bit driver to remove (6) shipping screws securing upper and lower back doors of monitor cabinet. Once screws are removed, use keys to open and remove doors and safely place off to the side.
2. With ladders set up next to game, use 7/16" socket to remove left and right topper support brackets from inside cabinet (note hardware bags attached to each bracket in addition to (3) sets of screws installed along angled rear edges). Reuse the hardware and hand-tighten the brackets in place on top of the cabinet. (*IMAGE 5-1 & 5-2*)

USE 7/16" SOCKET TO REMOVE LEFT AND RIGHT TOPPER SUPPORT BRACKETS FROM INSIDE CABINET

IMAGE 5-1

REUSE HARDWARE AND HAND-TIGHTEN LEFT AND RIGHT TOPPER SUPPORT BRACKETS
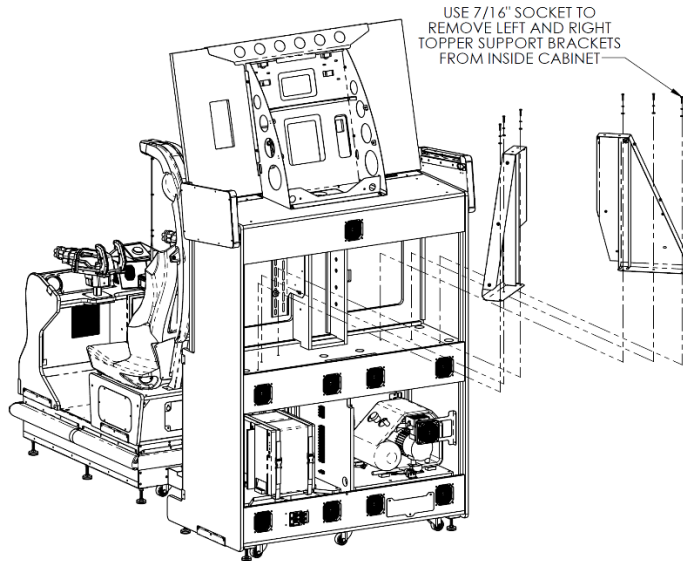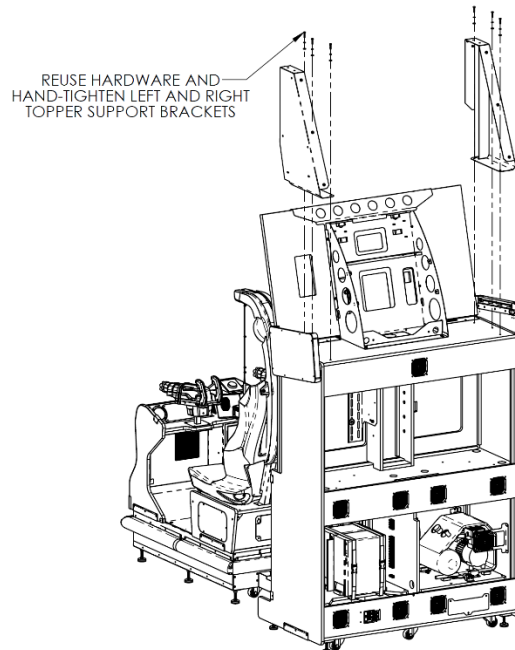
IMAGE 5-2

3. Locate cardboard box containing topper sub-assembly and unpack (take care not to damage). You should also find a loose topper support bracket with hardware bag attached.

4. Attach topper support bracket to left and right topper support brackets with supplied (4) 1/4"-20 x 1/2" bolts with split lock washers and flat washers. These bolts should also be hand-tightened. (**IMAGE 5-3**)

HAND-TIGHTEN
TOPPER SUPPORT BRACKET
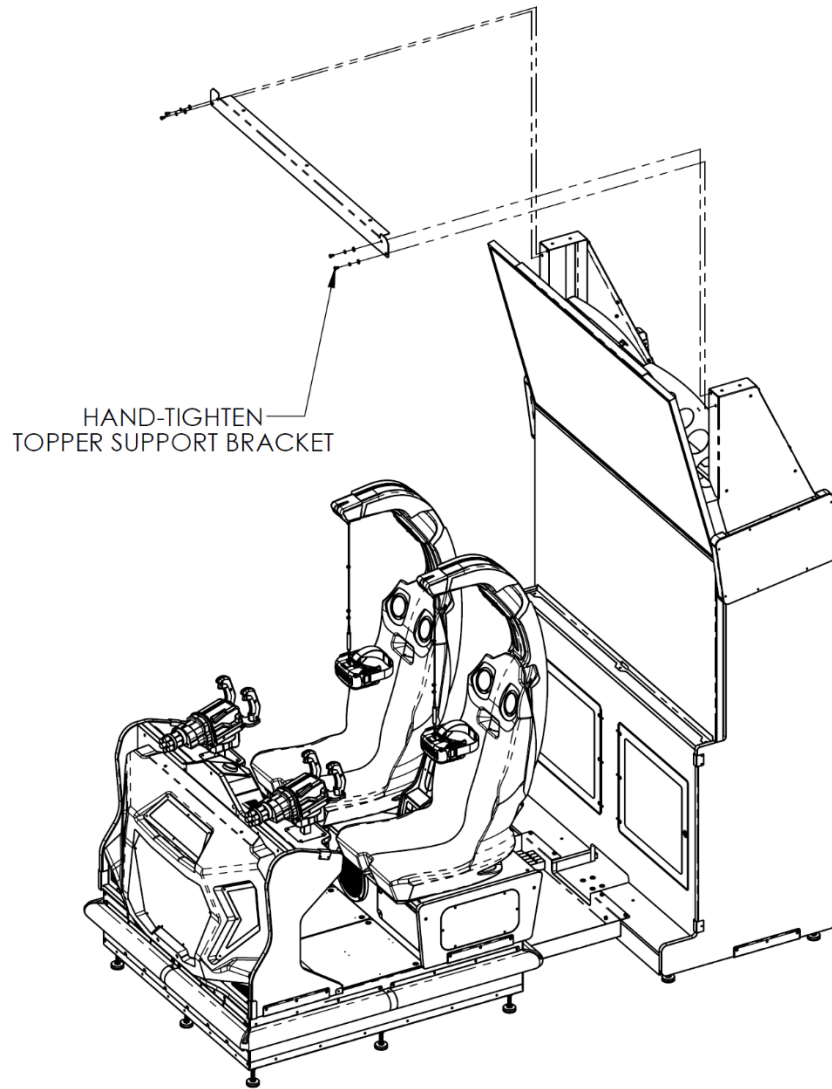
IMAGE 5-3

Install Topper

1. Locate hardware bag attached to topper and place atop cabinet with 7/16" socket.
2. (2) individuals should carry topper up ladders and set onto support brackets, taking care not to crush cables. First, install topside outer bolts, (4) 1/4"-20 x 1-1/4" bolts with split lock washers and flat washers, into left and right support bracket mounts.
3. Next, install (3) 1/4"-20 x 1" bolts with split lock washers and flat washers along front underside of topper thru topper support bracket. Use 7/16" socket to fully tighten all topper and topper support mounts (17 total). (***IMAGE 6-1***)

USE 7/16" SOCKET TO
SECURE TOPPER TO
SUPPORT BRACKETS
(7 BOLTS)

THEN,
FULLY TIGHTEN ALL
TOPPER SUPPORT MOUNTS
(10 OTHER BOLTS)
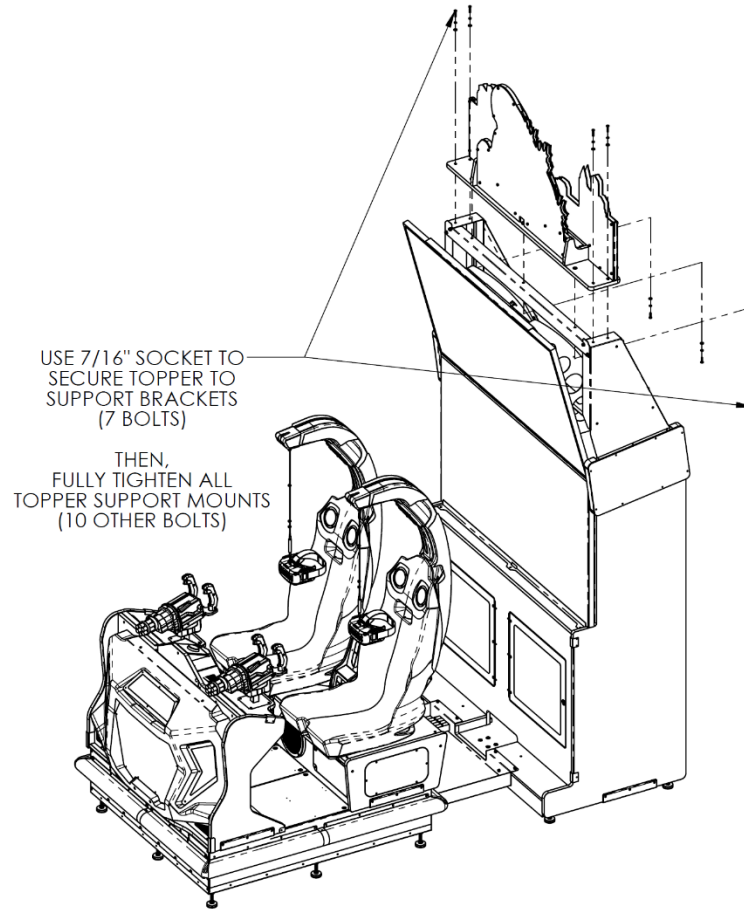
IMAGE 6-1

4. Retrieve loose 6-pin connector from topper cable through central access hole on underside of topper, route through cabinet's access hole, and plug into mating connector just inside of cabinet
5. Locate HDMI cable for upper monitor inside cabinet and locate QB65C's supplied line cord. Using wireway hole at the top of cabinet, install HDMI cable into "HDMI 1" port of upper monitor and install AC line cord into AC power port. This HDMI cable should plug into HDMI port of "PLAYER 2" PC and the AC line cord should be plugged into AC receptacle located on left side of cabinet when viewed from the back of the game.
6. Replace back doors when complete (save shipping screws or discard).

Install Upper Graphic Panels

1. Locate (3) upper graphic panels (left, right, and rear). Unpack hardware bags attached to left and right topper support brackets which will be used to mount left and right upper graphic panels.
2. Place right upper graphic panel in place in between right topper support bracket and right lightbox assembly attached to cabinet side. Use T27 driver with (3) 1/4"-20 x 3/4" tamperproof bolts and flat washers to loosely secure panel to mounts on right topper support bracket. (*IMAGE 7-1*)

USE T27 DRIVER TO LOOSELY MOUNT UPPER RIGHT GRAPHIC PANEL
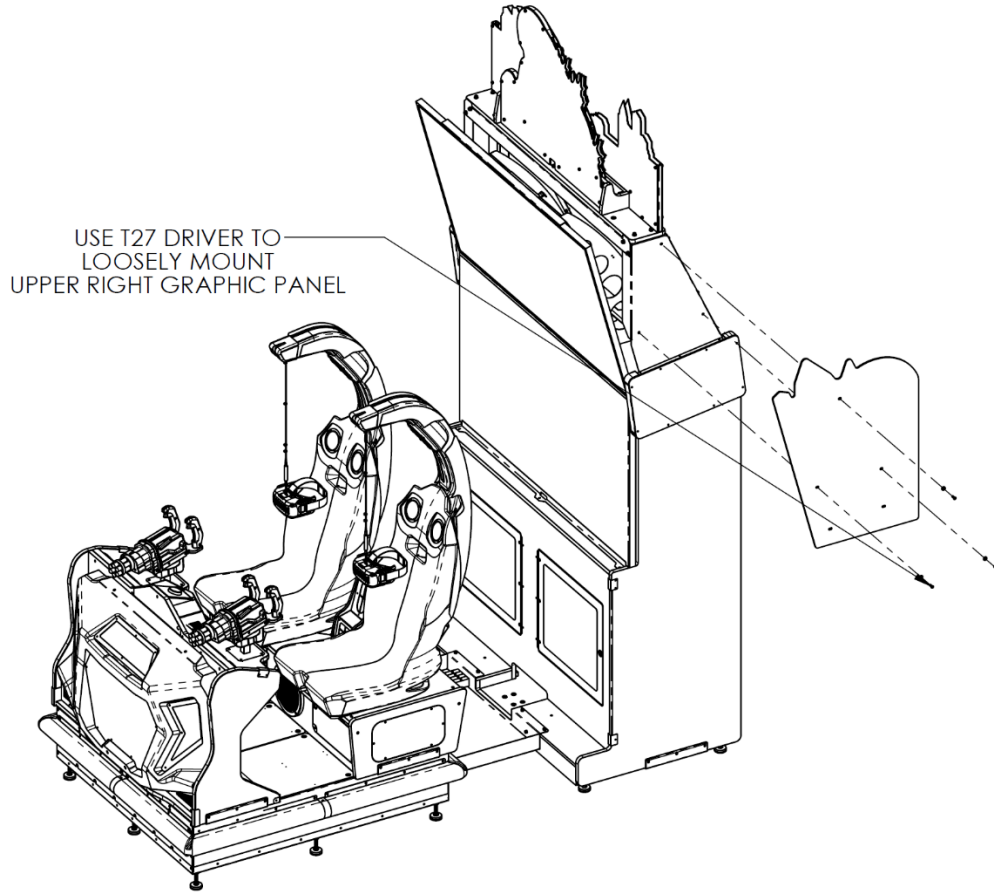
IMAGE 7-1

3. Use 7/16" socket with (2) 1/4"-20 x 1" bolts with split lockwashers and flat washers and install bolts from inner surface of right topper support bracket, through upper right graphic panel, and into mounts on right lightbox. Once all (5) bolts are installed, tighten fully and repeat process for left side. (*IMAGE 7-2*)

USE 7/16" SOCKET
TO COMPLETELY MOUNT
UPPER RIGHT GRAPHIC PANEL

THEN,
TIGHTEN ALL (5) BOLTS
AND REPEAT FOR
UPPER LEFT GRAPHIC PANEL
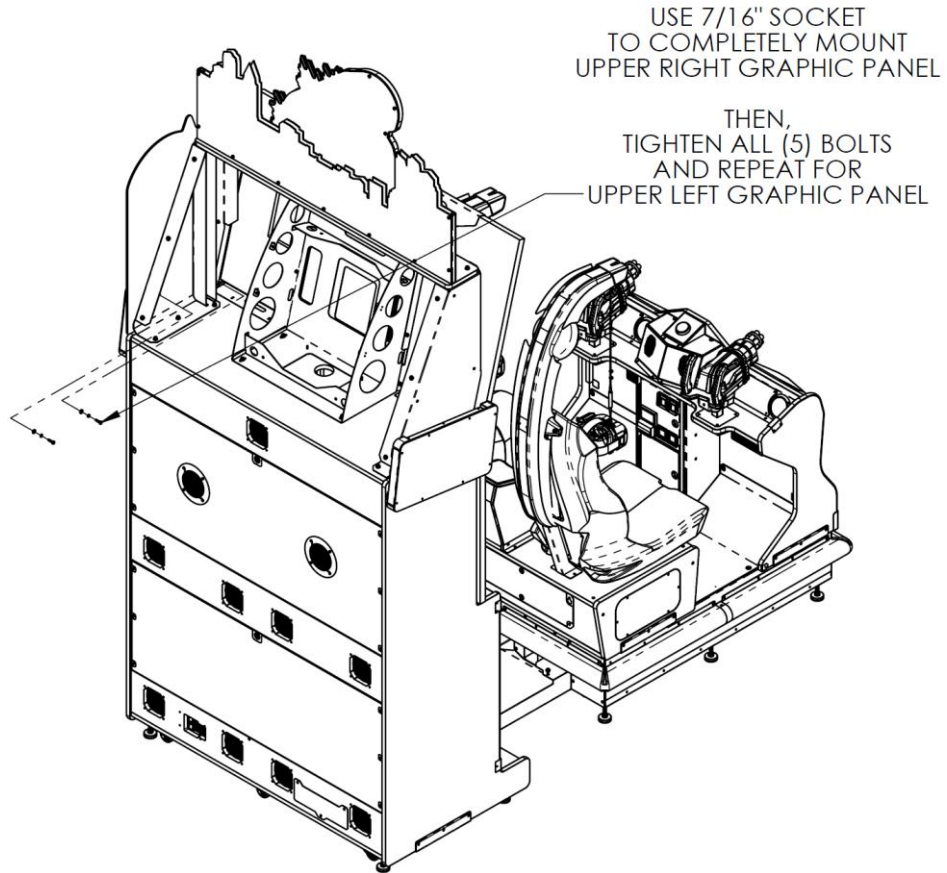
IMAGE 7-2

4. Use T27 driver to remove (6) screws and washers attached to angled rear edges of left and right topper support brackets. Place upper rear graphic panel onto angled rear edge and replace screws and washers. (*IMAGE 7-3*)

USE T-27 DRIVER TO REMOVE (6) BOLTS

THEN,
REUSE HARDWARE TO MOUNT
UPPER REAR GRAPHIC PANEL
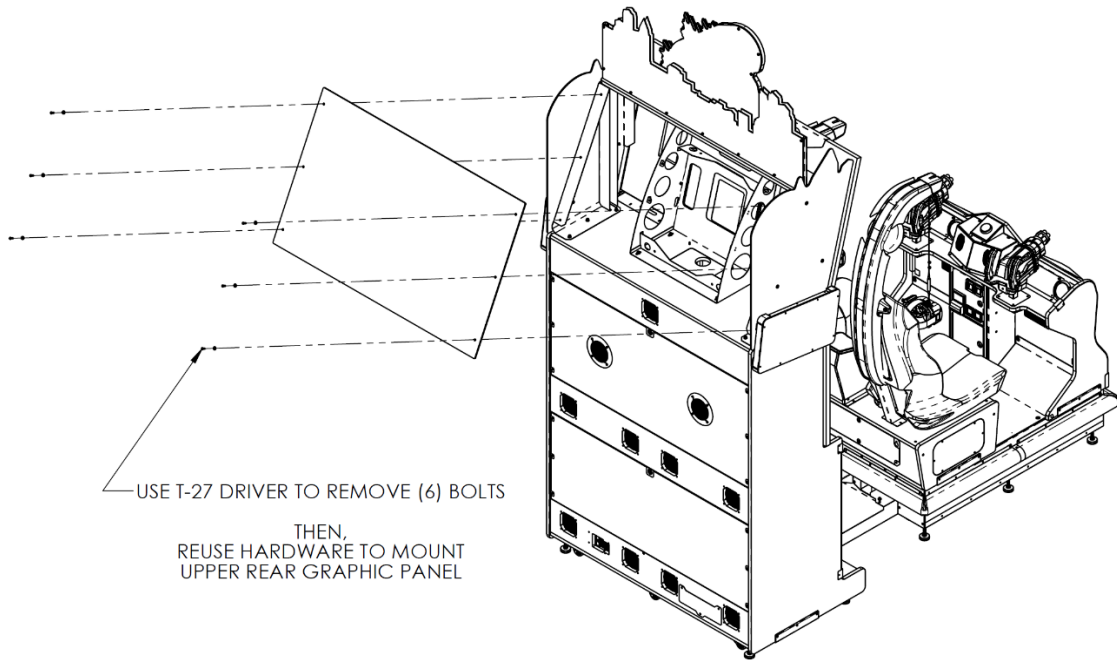
IMAGE 7-3

Install Downlighting Assemblies on Motion Platform

1. Locate (6) downlighting assemblies and accompany hardware bag. Note that there are (3) assemblies where wires exit on right side of the bracket and (3) where wires exit on left side.
2. Using images below for reference, install downlighting assemblies in their wiring-specific locations on front and sides of platform base by inserting brackets' tabs into cutouts on underside of platform base and rotating the assembly into place such that the (3) bracket's holes align with platform's mounts. Use T-25 driver to securely mount. (*IMAGE 8-1 & 8-2*)

WIRES EXIT ON RIGHT SIDE OF THESE DOWNLIGHTING ASSEMBLIES

WIRES EXIT ON LEFT SIDE OF THESE DOWNLIGHTING ASSEMBLIES

USE T-25 DRIVER TO MOUNT DOWNLIGHTING ASSEMBLIES

NOTE: TABS SHOULD BE INSTALLED IN CUTOUTS ON UNDERSIDE OF PLATFORM BEFORE MOUNTING WITH BOLTS

IMAGE 8-1

NOTE: TABS SHOULD BE INSTALLED IN CUTOUTS ON UNDERSIDE OF PLATFORM BEFORE MOUNTING WITH BOLTS

CONNECT ASSEMBLIES TO HARNESS AND USE CABLE CLAMPS TO DRESS WIRES

IMAGE 8-2

3. After downlighting assemblies are secure, retrieve mating connectors from access holes near cables clamps at corners on underside of platform base and connect to downlighting assembly connectors. Use cable clamps to dress wires and tuck excess wire slack back into access holes.

Completing Platform Harness, Air, and Headset Connections

1. Retrieve all harness, air tubes, and headset cables from platform access holes and place within spacer bracket.
2. Retrieve matching connections from within monitor cabinet's central access tunnel and connect the following:
   - (10) harness connections
     - connectors are keyed.
   - (5) air tube connections
     - air supply line from compressor to connect into spacer bracket's manifold.
     - match platform air tubes with cabinet air tubes (0, 1, 2, 3).
   - (3) headset connections each for P1 and P2 headsets
     - USB – Match to P1 or P2 PC in cabinet.
     - display port – Match to P1 or P2 PC in cabinet.
     - power (barrel connector).
3. IMPORTANT – When fully connected, a portion of the headsets' cable slack should be tucked within the platform. This placement will allow the cable's slack within platform to move up and down gently when the game is in motion and prevent the cables from being pulled due to cable tension. As a check on proper placement, the visible headset cables running through spacer bracket should not move while the game is in motion.

Install Spacer Cap Panel and Lower Leg Levelers

1. Remove (4) sets of bolts installed on spacer bracket for spacer cap panel using T27 driver. Additionally, locate spacer cap panel and remaining loose hardware saved earlier. (*IMAGE 10-1*)

USE T-27 TO REMOVE
(4) BOLTS AND WASHERS
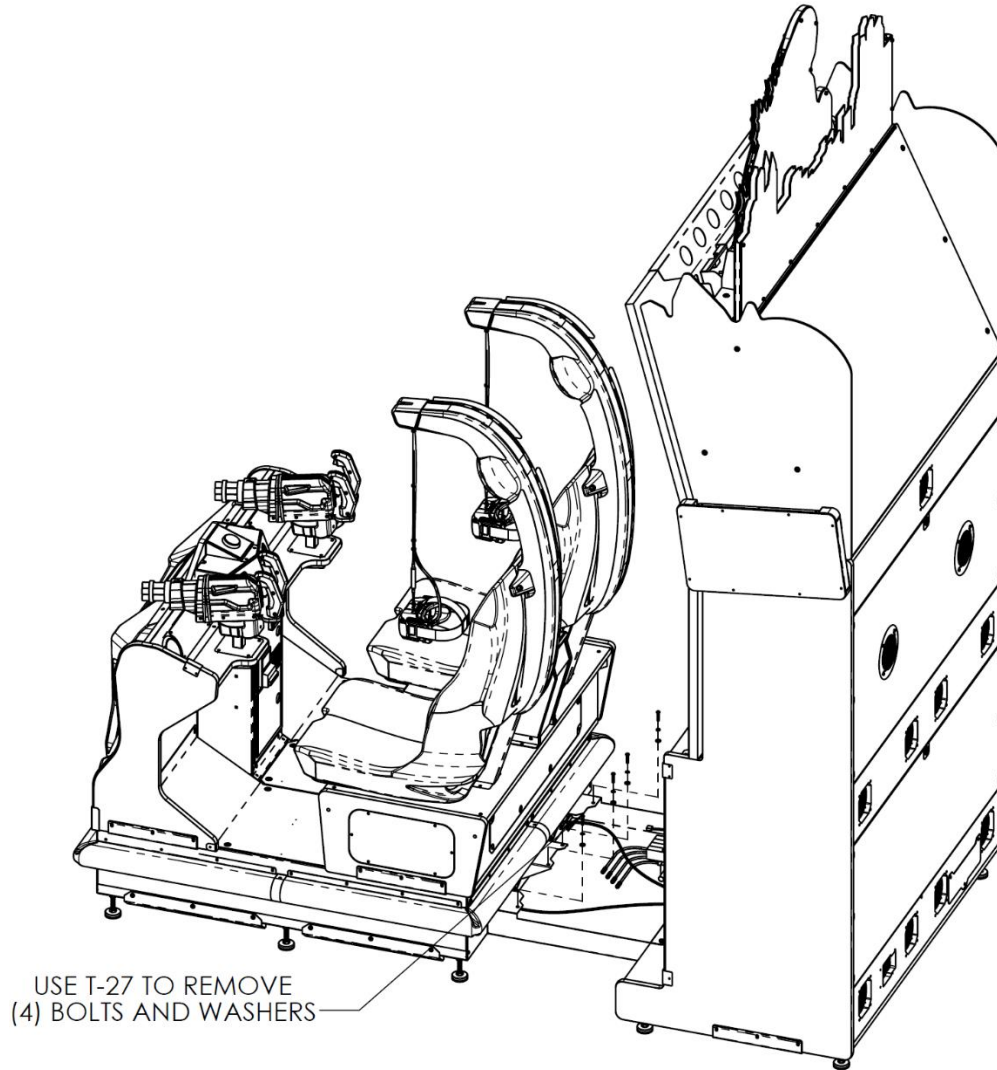
IMAGE 10-1

2. Check that all cables and air tubes are contained within spacer bracket and cabinet's central wireway channel and will not be crushed when placing spacer cap panel.

3. Place spacer cap panel and secure to spacer bracket and cabinet with T-27 driver, using (4) 1-1/4"
bolts and split lock washers and flat washers on platform side and (2) 2-1/2" bolts and split lock
washers and flat washers on cabinet side. (***IMAGE 10-2 & 10-3***)

INSTALL SPACER CAP PANEL:
PLACE PANEL ON PLATFORM SIDE
OF SPACER BRACKET AND THEN
SLOWLY LOWER MONITOR SIDE
(DO NOT CRUSH WIRES OR TUBES)

IMAGE 10-2

USE T-27 DRIVER TO SECURE
SPACER CAP PANEL
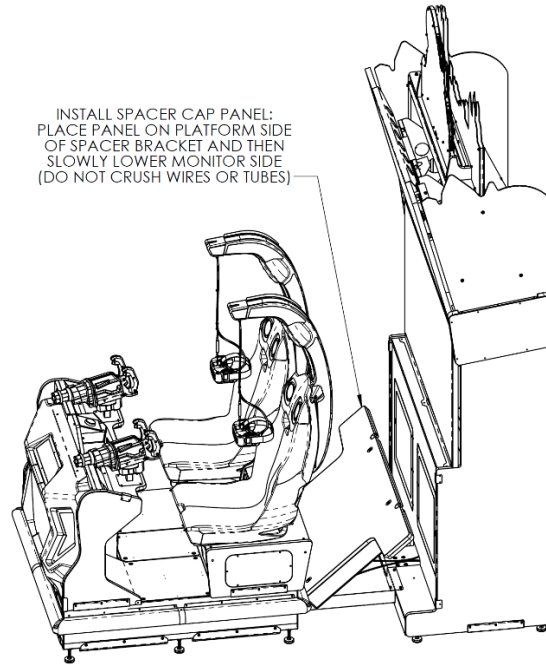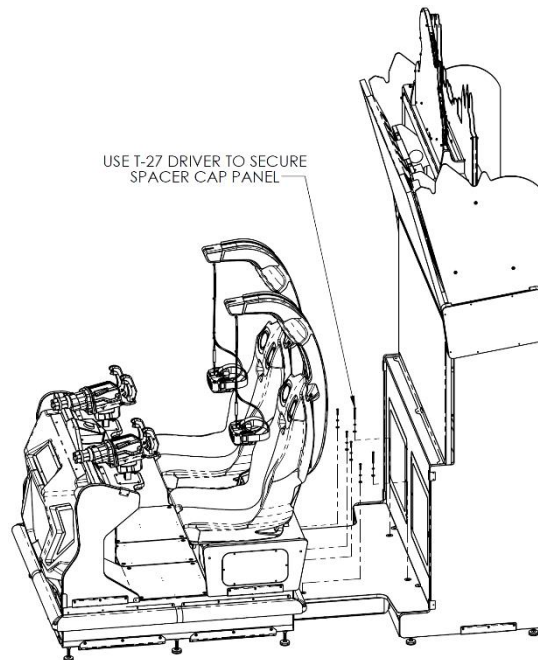
IMAGE 10-3

4. Lower all leg levelers to floor. There are (4) leg levelers on the monitor cabinet and (7) on the motion
platform. Once leg levelers are done, raise the jam nuts on leg levelers up to mounting plate's weld
nuts.

Card Reader Installation and Setup

Due to the rising popularity of aftermarket debit card systems for cashless or coinless operation of amusement machines (i.e., Embed, Intercard, Semnox), this Godzilla Kaiju Wars VR™ cabinet is equipped with UCL compatible harnessing to ensure that the installation process is easier and less prone to miswiring.

UCL, or Universal Card Link, is a debit card standard established by the American Amusement Machine Association. Visit https://coin-op.org/standardization/ for the latest UCL standard and manual information.

The UCL connections on the game use pins 1, 2, 6, 8, and 9. The other pins are unused. Each UCL connector can supply up to 1A at 12VDC.
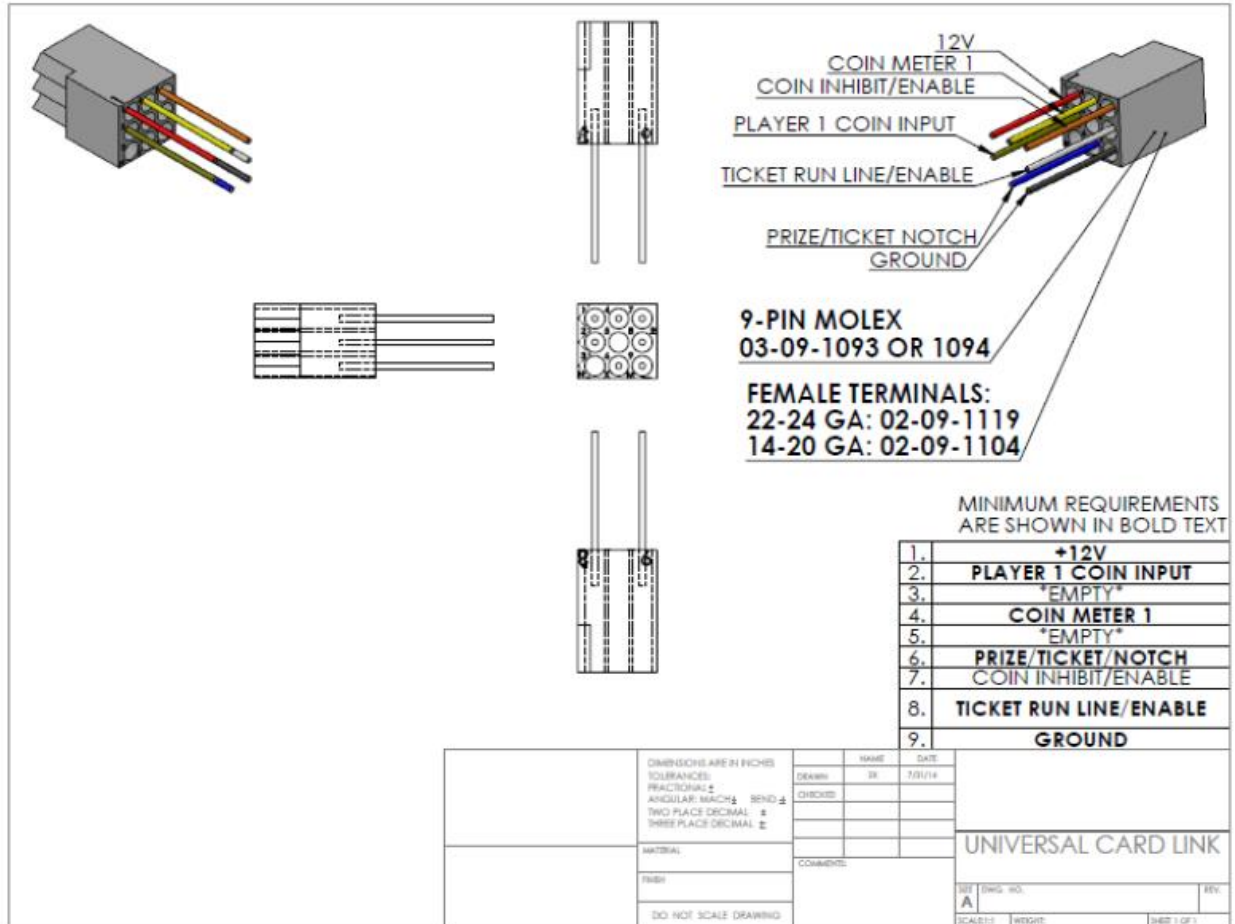
You can choose to use 1 or 2 card readers in the pricing adjustments section of the test menu. It is recommended to use 2 card readers for best results and player access.

There are (2) supplied connections, each located under the control panel of the Front Cabinet assembly. There is enough slack to accommodate mounting (2) card readers on the front panels, as each operator desires.

If only (1) card reader will be used, it is recommended that the card reader be mounted to the center dash door, any UCL connection can be used for games equipped with only (1) card reader.

Check Electrical Settings

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

Recommended: Dedicated 20A circuit breaker for each line cord to prevent capacity overload. (10A/each for 230VAC)

Startup Game

1. Plug the two line cords into an AC outlet (**Recommended: plug each line cord into a dedicated 20A circuit breaker to prevent capacity overload**). **(10A/each for 230VAC)**
2. Turn the main cabinet power switches on (there are two switches, GAME and COMPRESSOR).
3. Calibrate the headsets (pgs. 30-34)
   MACHINE IS NOT OPERATIONAL WITHOUT FIRST CALIBRATING THE HARDWARE
4. Verify the game and all components are operating normally. See *Basic Functional Test on Initial Power Up* in the *Diagnostics and Adjustments* section for the recommended procedure.

Monitor Setup

*****IMPORTANT*****

PLEASE FOLLOW INSTRUCTIONS TO SET UP MONITOR

Applicable Samsung monitors:

Model # QB65C

STEP 1: Verify game is connected to monitor in HDMI IN 1 at rear of monitor.

STEP 2: Power on GAME cabinet and MONITOR, wait about 30 seconds.

STEP 3: Press the power button on the remote. This only needs to be done once during initial setup.

1. Language => "Hello" (English)
2. Set Up Network => Skip
3. Installation Type => [x] Manual Setup
4. Display Orientation => [x] Landscape
5. Player Selection => [x] MagicINFO S Player
6. Set Current Time => Set to current local time
7. Set Pin => Optional, but recommended

STEP 4: Press the "SOURCE" button on the remote. Navigate to "HDMI 1."

STEP 5: Press "MENU" on the remote to enter the settings menu.

STEP 6: Verify the settings below, navigating with the remote:

- System
  - Power Control
    - Auto Power On: ON [X]
    - Max. Power Saving: OFF
    - Standby Control: OFF
    - Remote Configuration: OFF
    - Power Button: Power On Only
  - Power and Energy Saving
    - Energy Saving Solution: OFF
    - Backlight Optimization: OFF
    - Backlight Schedule: OFF
    - No Signal Power Off: OFF
    - Auto Power Off: OFF
  - General
    - Game Mode: ON [X]
  - Touch Control
    - Admin Menu Lock: ON [X]
  - Security
    - Safety Lock On: ON [X]
    - USB Auto Play Lock: ON [X]
    - Mobile Connection Lock: ON [X]

Headset Calibration Guide
MACHINE IS NOT OPERATIONAL WITHOUT FIRST CALIBRATING THE HARDWARE

1. In the test menu, select the "**Calibration**" menu item. (see below)
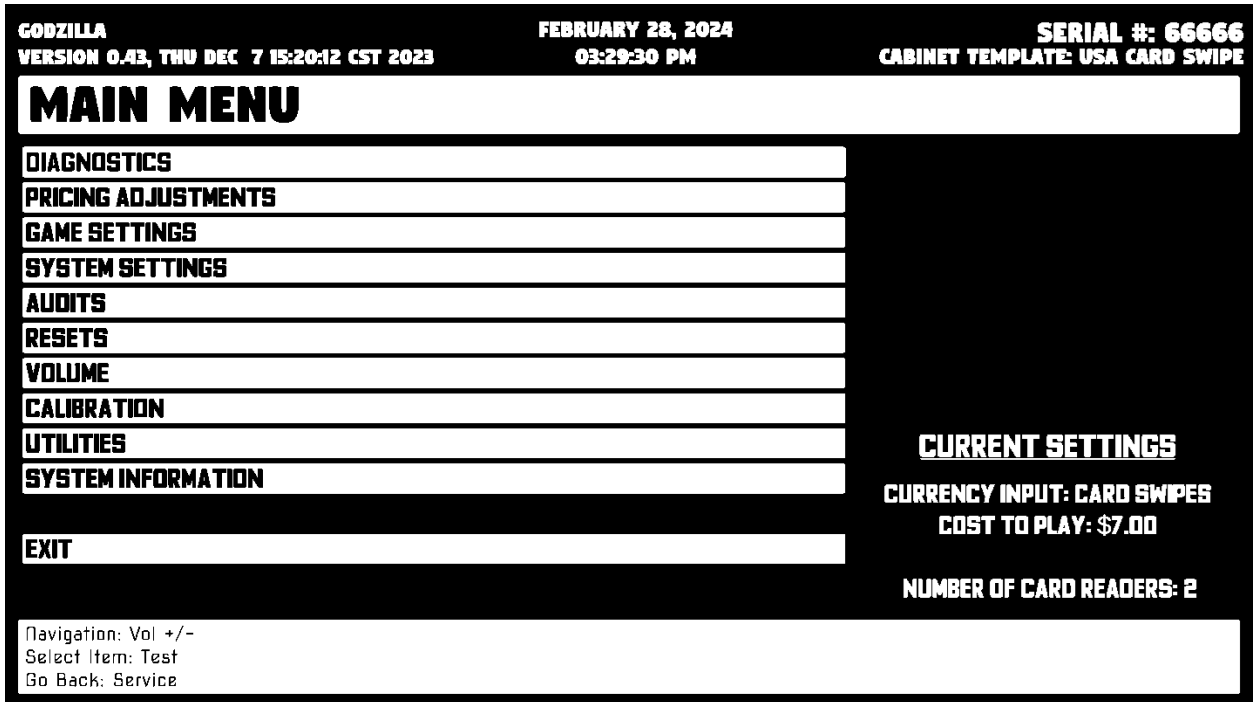
2. In the Calibration menu, select "**Headset Calibration – P1**". (see below)
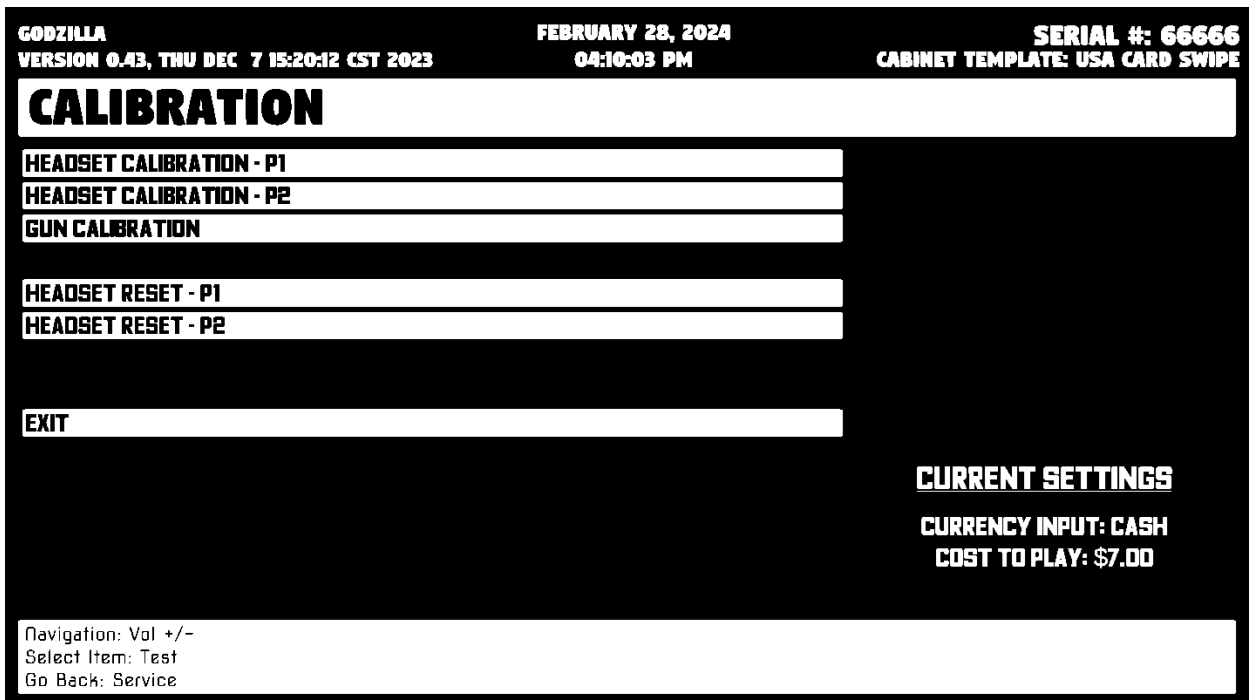
3. Press **Test/Motion or Stop/Start** to begin calibration. (see below)


```
        Press Test/Motion Stop/Start to begin headset calibration.




                            Press Service to exit.
```
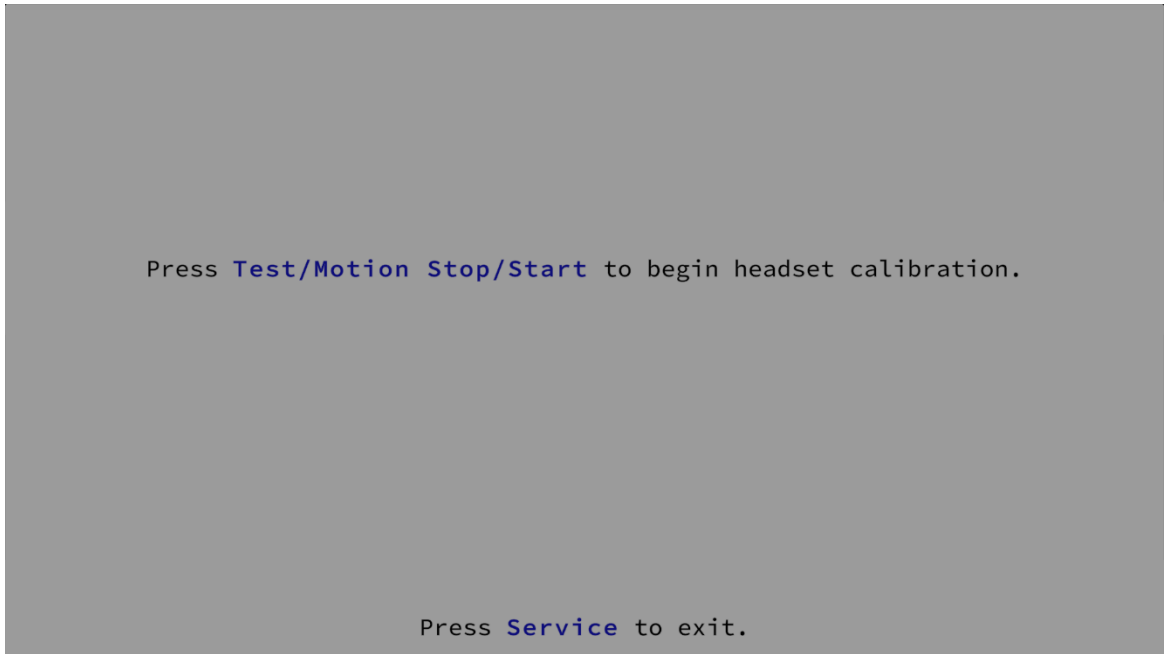
4. Sit down in the Player 1 seat and place the Player 1 headset on your head making sure that the cameras remain uncovered. (see below)

CAMERAS

5. With the headset on and while seated follow the in-headset instructions (*image a*). (*IMPORTANT: MAKE SURE THE HEADSET CAMERAS ARE NOT COVERED*).

IMPOTANT: DO NOT WALK AROUND WITH THE HEADSET ON

STAY SEATED TO PERFORM THE 360° LOOK AROUND

Player 1 headset calibration in progress.

Place headset on head and follow in-headset instructions.

117
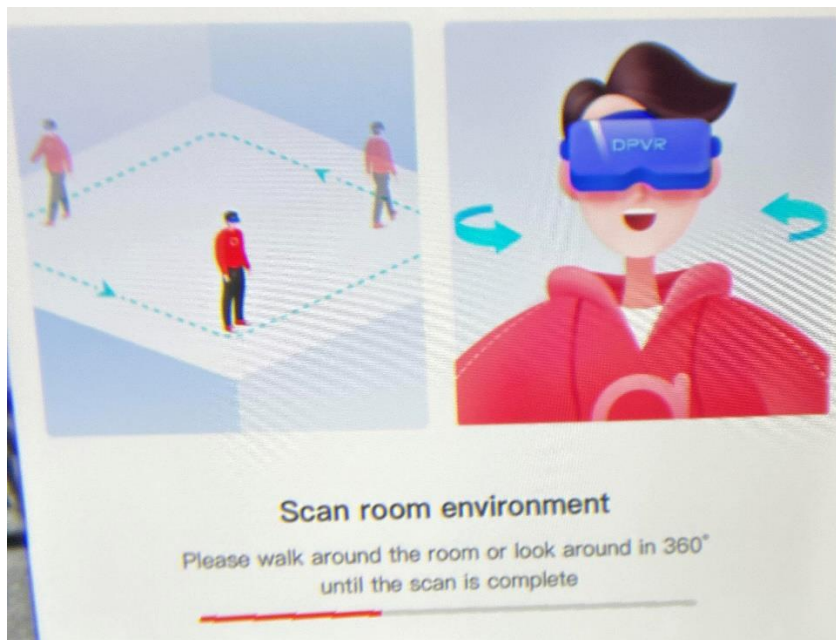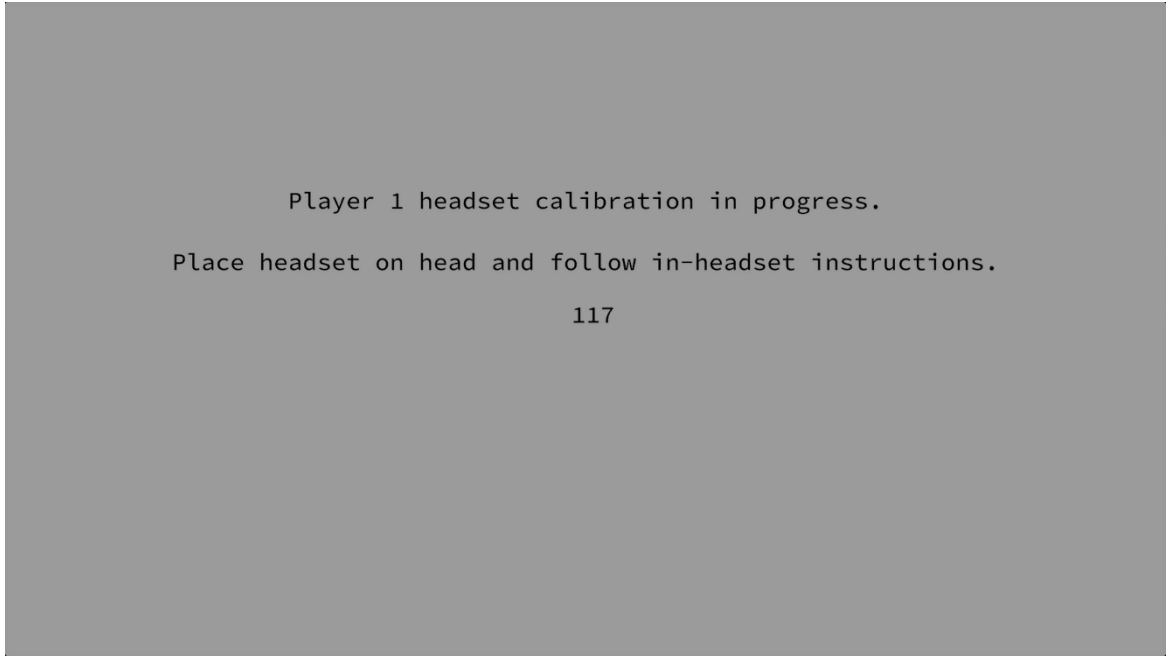
image a

6. Remove headset and hold Player 1 headset against seat back and level with seat speakers. Make sure cameras aren't blocked and headset is facing straight forward. (see below). Press Test/Motion or Stop/Start while doing so.

7. Player 1 headset should now be centered in the driver's seat of the vehicle. Please put on the headset to confirm. (see below)

Headset calibration complete.

Player 1 headset should now be centered in the driver's seat of the vehicle.

Please put on headset to confirm.

Press **Service** to exit.

8. Perform steps 2-7 with the Player 2 headset. Both headsets should now be calibrated.

Diagnostics and Adjustments

The Service Button Panel has four buttons, three of which can navigate the menu system.
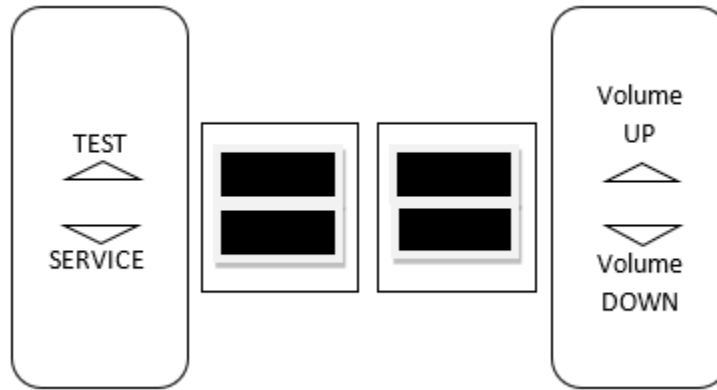
Navigating the Test Menu	
Button	**Action**
TEST (Not in Test Menu)	Enters Test Menu
TEST (In Test Menu)	Selects Highlighted Option
SERVICE (On Main Menu)	Exits Test Menu
SERVICE (Not on Main Menu)	Cancels Selection
VOLUME UP	Move Up
VOLUME DOWN	Move Down

An on-screen message acknowledges changes or when you exit a selection without making a change.

Basic Functional Test on Initial Power Up

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 Watchdog Test and verify the game reboots.
9. Upon a successful reboot, you are ready to adjust pricing, volume, and other functions.

Test Menus

Main Menu

Choose from all available operator settings and menus here. You can use the test menu bracket and volume buttons to navigate.

```
GODZILLA KAIJU WARS VR          MARCH 14, 2024              SERIAL #: XXXX
VERSION 0.00, UNKNOWN            08:42:44 AM                 CABINET TEMPLATE: NOT SET

MAIN MENU

FACTORY SET UP
DIAGNOSTICS                                    Pick a pre-set combo of
PRICING ADJUSTMENTS                            settings.
GAME SETTINGS
SYSTEM SETTINGS                                [QR]  Scan QR Code for
AUDITS                                               Troubleshooting
RESETS                                               Guide
VOLUME
CALIBRATION
UTILITIES                                      CURRENT SETTINGS
SYSTEM INFORMATION
                                               CURRENCY INPUT: CASH
EXIT                                           COST TO PLAY: $1.00

Navigation: Vo +/-
Select Item: Test
Go Back: Service
```

<u>*A QR code is provided in the test menu that will take you to our web site for the latest Troubleshooting Guide***</u>**

Diagnostics

Verify or diagnose the operations of all game functions.

```
GODZILLA                              FEBRUARY 28, 2024              SERIAL #: 66666
VERSION 0.43, THU DEC  7 15:20:12 CST 2023      03:34:19 PM    CABINET TEMPLATE: USA CARD SWIPE

DIAGNOSTICS

INPUT TEST
GUN SOLENOID TEST
GUN TRACKING TEST
HEADSET STATUS
HEADSET CAMERA TEST
VIDEO TEST
AUDIO TEST
CABINET LIGHTS TEST
METER TEST                                      CURRENT SETTINGS
MOTION TEST
BLOWER TEST                                  CURRENCY INPUT: CARD SWIPES
WATCHDOG TEST                                   COST TO PLAY: $7.00

EXIT                                         NUMBER OF CARD READERS: 2

Navigation: Vol +/-
Select Item: Test
Go Back: Service
```

- **Input Test:** Test input hardware such as switches.
- **Gun Solenoid Test:** Test the gun vibrations of the solenoids.
- **Gun Tracking Test:** Test the tracking of both guns.
- **Headset Status:** See info related to display and tracking for both headsets.
- **Headset Camera Test:** Test the functionality of the four exterior cameras on the DPVR headset.
- **Video Test:** Cycle through full screen colors on the monitor.
- **Audio Test:** 100HZ and 1000HZ test.
- **Cabinet Lights Test:** Tests all LED cabinet lighting together and individually.
- **Meter Test:** Test the functionality of the mechanical coin meter inside the cabinet.
- **Motion Test:** Test the functionality of the motion platform.
- **Blower Test:** Test the functionality of the two blowers.
- **Watchdog Test:** Test the functionality of the watchdog reset. (If successful the cabinet will power off and reboot)

Set Pricing Adjustments (Cash)

Set pricing adjustments using cash and coin currency for game operation.

```
GODZILLA                        FEBRUARY 29, 2024              SERIAL #: 66666
VERSION 0.43, THU DEC 7 15:20:12 CST 2023    08:29:14 AM      CABINET TEMPLATE: USA CARD SWIPE

PRICING ADJUSTMENTS

CURRENCY INPUT                            CASH
CURRENCY TYPE                       US DOLLARS
COIN VALUE                              $0.25
NUMBER OF CASHBOXES                          1      Change the currency input.
COINS TO PLAY                              28

MAX CREDITS                                30
FREE PLAY                                 OFF

EXIT                                                CURRENT SETTINGS

                                                   CURRENCY INPUT: CASH
                                                   COST TO PLAY: $7.00

Navigation: Vol +/-
Select Item: Test
Go Back: Service
```

- **Currency Input**: Change the currency input.
- **Currency Type**: Change the currency type.
- **Coin Value**: Change the money value of the coin.
- **Number of Cashboxes:** Whether players share a cashbox, or each have their own.
- **Coins to Play**: Adjust the amount of coins to start a game.
- **Max Credits**: Adjust the maximum number of credits.
- **Free Play**: Turn free play mode on or off.

Set Pricing Adjustments (Tokens)

Set pricing adjustments using non cash value game tokens for game operation.

| GODZILLA | FEBRUARY 29, 2024 | SERIAL #: 66666 |
| VERSION 0.43, THU DEC 7 15:20:12 CST 2023 | 08:29:44 AM | CABINET TEMPLATE: USA CARD SWIPE |

PRICING ADJUSTMENTS

CURRENCY INPUT	TOKENS	
CURRENCY TYPE	US DOLLARS	
TOKEN VALUE	$0.25	Change the currency input.
NUMBER OF CASHBOXES	1	
TOKENS TO PLAY	28	
MAX CREDITS	30	
FREE PLAY	OFF	

EXIT

CURRENT SETTINGS

CURRENCY INPUT: TOKENS
COST TO PLAY: $7.00

Navigation: Vol +/-
Select Item: Test
Go Back: Service

- **Currency Input**: Change the currency input.
- **Currency Type**: Change the currency type.
- **Token Value**: Change the money value of the token.
- **Number of Cashboxes:** Whether players share a cashbox, or each have their own.
- **Tokens to Play**: Adjust the number of tokens to start a game.
- **Max Credits**: Adjust the maximum number of credits.
- **Free Play**: Turn free play mode on or off.

Set Pricing Adjustments (Swipes)

Set pricing adjustments using card based play systems for game operation.

GODZILLA VERSION 0.43, THU DEC 7 15:20:12 CST 2023	FEBRUARY 28, 2024 01:53:13 PM	SERIAL #: 66666 CABINET TEMPLATE: USA CARD SWIPE

PRICING ADJUSTMENTS

CURRENCY INPUT	CARD SWIPES
CURRENCY TYPE	US DOLLARS
SWIPE VALUE	$7.00
NUMBER OF CARD READERS	2
MAX CREDITS	30
FREE PLAY	OFF

Change the currency input.

EXIT

CURRENT SETTINGS

CURRENCY INPUT: CARD SWIPES
COST TO PLAY: $7.00

NUMBER OF CARD READERS: 2

```
Navigation: Vol +/-
Select Item: Test
Go Back: Service
```

- **Currency Input**: Change the currency input.
- **Currency Type**: Change the currency type.
- **Swipe Value**: Money value of the swipe.
- **Number of Card Readers**: Whether players share a cashbox, or each have their own. (DBV input is disabled when set to 2.)
- **Max Credits**: Adjust the maximum number of credits.
- **Free Play**: Turn free play mode on or off.

Game Settings

Adjust game settings for operation.

```
GODZILLA                                FEBRUARY 28, 2024              SERIAL #: 66666
VERSION 0.43, THU DEC  7 15:20:12 CST 2023    04:00:20 PM        CABINET TEMPLATE: USA CARD SWIPE

GAME SETTINGS

CHAPTER 1 ENABLED                                          ON
CHAPTER 2 ENABLED                                          ON
                                                                Allow the Chapter 1 level to
SHOW HEADSET CAMERA FEED DURING CONTINUE                   ON    be selected and played.
DIFFICULTY                                             NORMAL
HIDE FEMALES                                              OFF
ATTRACT MUSIC FREQUENCY                                ALWAYS




FREE DEMO                                                  ON
TIME BETWEEN FREE DEMOS [MINUTES]                           2
                                                                CURRENT SETTINGS
EXIT
                                                                CURRENCY INPUT: CASH
                                                                COST TO PLAY: $7.00


Navigation: Vol +/-
Select Item: Test
Go Back: Service
```

- **Chapter 1 Enabled:** Allow the Chapter 1 level to be selected and played.
- **Chapter 2 Enabled:** Allow the Chapter 2 level to be selected and played.
- **Show Headset Camera Feed During Continue:** Whether player should see a view of the exterior headset cameras during continue.
- **Difficulty:** Adjust the game difficulty.
- **Hide Females:** This option removes all images of females from the game (for localization or cultural reasons).
- **Attract Music Frequency:** How often music should play in attract mode.
- **Free Demo:** Whether players should be given a 30 second free demo when the cabinet is not in use.
- **Time Between Free Demos [Minutes]:** After a free demo has been completed, how long before another can be started.

System Settings

Adjust system settings for operation.

- **Leaderboard Settings:** Leaderboard Adjustments.
- **Show Compressor Errors:** Toggle whether messages about compressor errors will be shown on monitors.
- **Show Pressure Warnings:** Toggle whether warnings related to compressor pressure will be shown on monitors.
- **Cabinet LED Brightness:** Adjust the brightness of the cabinet lighting.
- **Tradeshow Mode:** Turn this mode on when operating on a trade show, sales floor, or demo floor.
- **Cabinet Motion Enabled:** Enable motion springs.
- **Blower Enabled:** Enable the blower fans in game.
- **Virtual Marquee:** Show a game title marquee at the top of the screen during attract and gameplay.
- **QR Code:** Turn on/off the QR code feature, set venue name and location.
- **Date & Time:** Set the date and time.
- **Language:** Set language: English, Chinese, Traditional Chinese, Spanish (Latin America), Spanish (Spain), French, German, Italian, and Japanese.
- **Subtitles:** In game subtitles (ON/OFF).
- **Player 1 Headset Enabled:** Allows the player 1 headset to be disabled if it is not present or is having technical issues.
- **Player 2 Headset Enabled:** Allows the player 2 headset to be disabled if it is not present or is having technical issues.

Audits

View machine statistics such as games played, money earned, etc.

```
GODZILLA                          FEBRUARY 28, 2024            SERIAL #: 66666
VERSION 0.43, THU DEC 7 15:20:12 CST 2023   04:08:20 PM    CABINET TEMPLATE: USA CARD SWIPE

AUDITS

                              PAGE 1 OF 19
0.43
Wednesday, February 28, 2024 4:10:16 PM

Last Audit Reset: Wednesday, February 28, 2024 3:57:55 PM

     -----------------------
COIN AUDITS

All Cashboxes Combined   Money In          $0.00
All Cashboxes Combined - Money Spent       $0.00
All Cashboxes Combined - Money Unspent     $0.00
Total Coins From All Inputs      0

P1 cashbox - Money In                      $0.00
P1 cashbox   Money Spent                   $0.00
P1 cashbox - Money Unspent                 $0.00
Coins From Input 1        0

P2 cashbox - Money In                      $0.00
P2 cashbox   Money Spent                   $0.00
P2 cashbox   Money Unspent                 $0.00
Coins From Input 2        0

                                              CURRENT SETTINGS

                                          CURRENCY INPUT: CASH
                                          COST TO PLAY: $7.00

Navigation: Vol +/- or Start Buttons (P1 scrolls up and P2 scrolls down)
Go Back: Service
```

Changes to pricing adjustments will reset any existing audits back to zero

Resets

Reset various machine settings and audits.

```
GODZILLA                          FEBRUARY 28, 2024              SERIAL #: 66666
VERSION 0.43, THU DEC  7 15:20:12 CST 2023    04:08:43 PM    CABINET TEMPLATE: USA CARD SWIPE

RESETS MENU

RESET CREDITS
RESET PRICING ADJUSTMENTS
RESET GAME ADJUSTMENTS
RESET LEADERBOARDS            Reset all credits to zero.
RESET GAME AUDITS
RESET SYSTEM AUDITS
RESET COIN AUDITS
RESET ALL AUDITS
FACTORY RESTORE
                              CURRENT SETTINGS
EXIT
                              CURRENCY INPUT: CASH
                              COST TO PLAY: $7.00

Navigation: Vol +/-
Select Item: Test
Go Back: Service
```

- **Reset Credits:** Reset all credits to zero.
- **Reset Pricing Adjustments:** Reset all pricing settings to default.
- **Reset Game Adjustments:** Reset all game settings to default.
- **Reset Leaderboards:** Reset all high score tables.
- **Reset Game Audits:** Reset all game related audits.
- **Reset System Audits:** Reset all system audits.
- **Reset Coin Audits:** Reset all coin audits.
- **Reset All Audits:** Reset all audits.
- **Factory Restore:** Restore game to all factory settings.

HEADSET CALIBRATION AND PRICING ADJUSTMENTS MUST BE PERFORMED AGAIN IF THE GAME HAS BEEN RESTORED TO FACTORY SETTINGS

Volume

Adjust all volume settings.

- **Game Volume**: Adjusts the volume level during gameplay.
- **Attract Volume**: Adjusts the volume level during the attract mode sequences.
- **Credit Volume**: Adjusts the volume level of the credit chime only (independent setting of game and attract volume).

Calibration

Calibrate the VR headsets and cabinet motion.

MACHINE IS NOT OPERATIONAL WITHOUT FIRST CALIBRATING THE HARDWARE
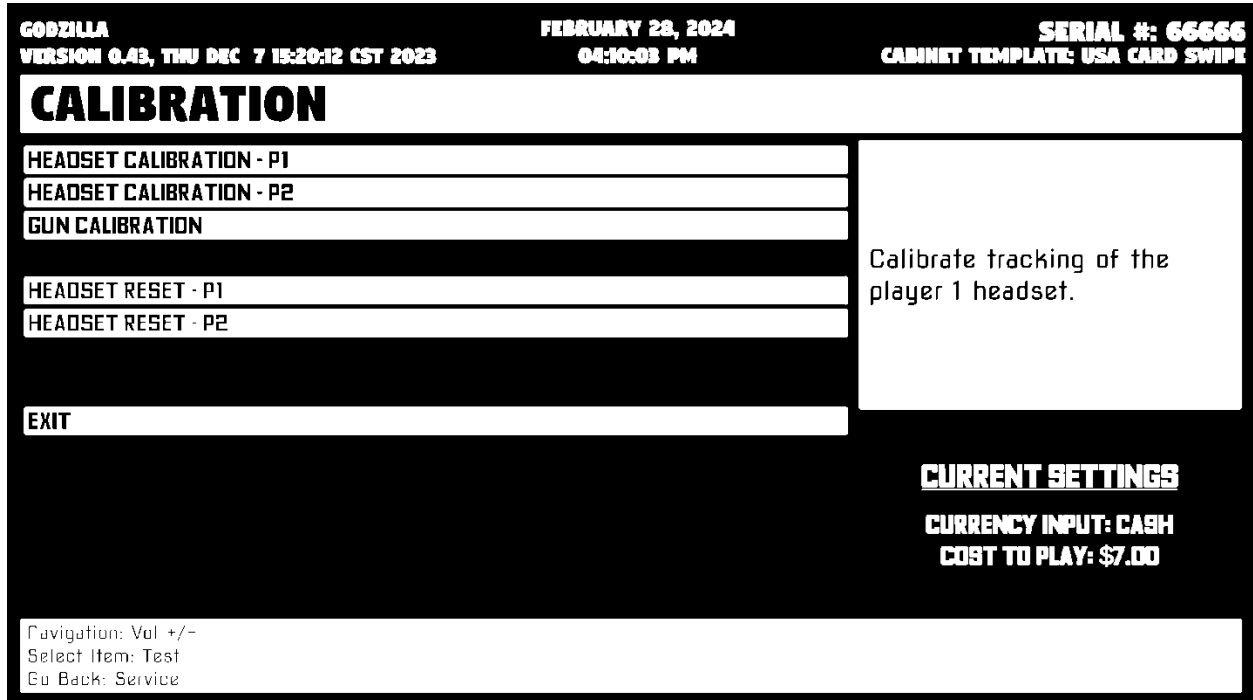
- **Headset Calibration – P1**: Calibrate tracking of the Player 1 headset.[1]
- **Headset Calibration – P2**: Calibrate tracking of the Player 2 headset.[1]
- **Gun Calibration**: Calibrate the gun sights and reticle.
- **Headset Reset – P1**: Attempt to reset the player 1 DPVR headset if it is having issues.
- **Headset Reset – P2**: Attempt to reset the player 2 DPVR headset if it is having issues.

[1] See Headset Calibration Guide, pgs. 31-35

Utilities

Miscellaneous operator tools.

- **Copy Audits, Logs, & Scores to USB**: Copy all audits and diagnostics to USB drive.
- **View Game Log**: Examine logged messages from the game.
- **View Error Log**: Examine error messages from the game.
- **View Unity Log**: Examine logged messages from Unity.
- **QR Code Service Info**: Send Diagnostics Info to Raw Thrills via cell phone QR scanner.

System Information

View hardware and software information

```
GODZILLA                              FEBRUARY 28, 2024              SERIAL #: 66666
VERSION 0.43, THU DEC  7 15:20:12 CST 2023       04:15:53 PM        CABINET TEMPLATE: USA CARD SWIPE

SYSTEM INFORMATION

                              PAGE 1 OF 3
Serial Number: 66666  CabinetType: 1  Template: 0  Region: 1  Version: 0
IO Board AD30EH73H  Firmware Version: 9
IO Board B  Firmware Version: 0
Rio2 Lib Version: v1.8.9
Operating System Version: OS Version Unknown

GVR-4060Z Model: 11TMS1XG00 (LENOVO)
DeviceUniqueIdentifier: 14b684e5d82dc8d9673d996d0b94c1c12ec75d16
CPU: 12th Gen Intel(R) Core(TN) i5 12500 [12 cores]
RAM: 16099 MB
Graphics Card: NVIDIA GeForce RTX 4060 VRAM: 7971
Graphics API: Direct3D 11.0 [level 11.1] Type=Direct3D11
2022.3.7f1
Screen: 1920x1080@60Hz
OS: Windows 10  (10.0.19045) 64bit [Desktop]

Supported Resolutions:
   Total Supported Res: 60
   (  640, 480  )  (  640, 480  )  (  600, 800  )  (  640, 480  )  (  720, 480  )
   (  480, 720  )  (  720, 480  )  (  720, 576  )  (  800, 600  )  (  800, 600  )
   (  800, 600  )  (  800, 600  )  (  480, 720  )  ( 1024, 768  )  ( 1024, 768  )
   ( 1024, 768  )  ( 1152, 864  )  ( 1176, 664  )  (  480, 640  )  (  480, 640  )

                                                            CURRENT SETTINGS
                                                         CURRENCY INPUT: CASH
                                                         COST TO PLAY: $7.00

Go Back: Service
```

There are no special menu options for this test menu entry.

Choosing the Right Pricing Adjustments for Your Location

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, <u>or the coin audits bookkeeping will be incorrect</u>. (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 *Godzilla Kaiju Wars VR*™.
        b. After setting the coins per play, set "Coin Value" to the currency equivalent of your coin, <u>or the coin audits bookkeeping will be incorrect</u>. (Example: If your coin is worth $0.25, set "Coin Value" to $0.25 as well).

PC Hardware

Your *Godzilla Kaiju Wars VR™* game uses two **Lenovo M90t Gen3 Desktop PC computers with an RTX 4060 Video Card.** One is the Player 1 PC and the other is the Player 2 PC.

(*above: Lenovo M90t Gen3 Desktop PC*)

<u>NOTICE</u>
WARNING: DO NOT ENTER THE BIOS SETTINGS MENU! Modifying the BIOS settings will cause your game to stop functioning. In order to boot, new security features verify the BIOS settings against factory settings, including timestamp.

PC Hard Drive Recovery

Symptoms requiring a PC hard drive recovery include:

- File test reports bad or missing files.
- Game fails to finish loading during setup.
- After resetting the AC power, an error is reported.
- Erratic Game or Attract Mode behavior.

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

<u>Computer</u>

The computer contains sensitive components. Do not handle roughly. Contact 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 Re-Install the software (the game ships with (2) USB drives, either drive can be used in the steps below):

(NO DVD Restoration. USB Thumb Drive is used on the *Lenovo M90t Gen3*)

1. With game and PC's on, verify that the RIO2 board has power. If not, see Troubleshooting.
2. Open the lower back door of the cabinet.
3. Insert the recovery USB thumb drive (included in your game) 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, and **HOLD** F12 on the keyboard until the Boot Menu screen appears.
7. Use the Up and Down arrow keys to highlight "USB HDD 1" (or similar) and press enter.
8. Follow on screen instructions to begin recovery.
9. If recovery 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 restore is complete. When instructed to remove 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 restored.

Troubleshooting

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

Problem	Possible Cause	Solution
Game will not power up.	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.	Contact your distributor.
	Flash Drive Installer is left connected to PC.	Disconnect Flash Drive Installer and power cycle the game.
Buttons do not work.	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.
Neither buttons nor audio work.	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.

Problem	Possible Cause	Solution
No sound or bad sound.	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 and the audio PCB. Verify that audio PCB is connected to the computer via USB cable.
	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, disconnect the USB cable coming from the audio PCB and connect stereo headphones to the green computer audio port.
Constant low audio hum.	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.
RIO2 disconnected	USB cable disconnected.	Check USB connection from PC to RIO2 board.
	No power to RIO2 board.	Check for proper voltage (+5V, +12V) at RIO2 P1 connector.
Game is not running on both PC's.	Not connected to other PC.	Make sure both PC's are on and are connected to headsets and displays. Make sure the game runs on both displays.
	Ethernet cable is not connected.	Connect the ethernet cable between the two computers.
No motion during gameplay.	Motion is not enabled.	Enable motion via Test Menu under System Settings.

Problem	Possible Cause	Solution
Message on screen: Headset USB connection not detected.	Loose or disconnected USB cable.	Disconnect and reconnect the USB cable from the headset to the PC (must be plugged into a USB 3.0 port), then reboot the cabinet.
Message on screen: Headset Display Port not detected. Reconnect headset via Display Port.	Loose or disconnected display port cable.	Disconnect and reconnect the display port cable from the headset to the PC, then reboot the cabinet.
Message on screen: Game dongle not found. Please RECONNECT the game dongle.	Dongle missing or disconnected.	Find the dongle cable and reseat in USB port.
	Faulty USB port.	Insert dongle cable in different USB port.
Message on screen: Insufficient RAM, 16GB required.	Loose or disconnected RAM stick.	Contact your distributor for service.
	Faulty RAM stick.	Contact your distributor for service.
Message on screen: GFX card missing. Please RECONNECT the GFX card.	Loose or disconnected graphics card.	Contact your distributor for service.
	Faulty graphics card.	Contact your distributor for service.
Game does not load.	PC hard drive failure.	Recover hard drive. See Flash Installer Document or contact your distributor for the latest software revision.
PC Drive test reports "bad" or "missing" files.		
Game fails to finish loading.		
After resetting, game still reports an error.		
Erratic game mode or attract mode.		
WARNING! Data files Corrupted. (Game Operation May Become Unstable.)		
Game Resets	Bad file.	Run Flash Installer.

Problem	Possible Cause	Solution
No Video	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.
	Cabinet was powered on too quickly after a manual shutdown/power loss	Shut off cabinet via both switches at rear of cabinet. Leave off for 30 seconds, then power back on.
Coin meter does not click during test.	No pulse to meter.	Check wiring from meter to PCB board.
	Faulty meter.	Replace coin meter.
Exits Test Mode every 3 seconds.	Test button stuck in ON position.	Slide or toggle button off after Test Menu appears
Improper number of credits given when bills are inserted.	Incorrect setting in Pricing Adjustments.	Adjust pricing settings.
	Faulty wiring.	Disconnect cabinet from AC power. Verify wires are firmly connected to bill validator and ground wires are properly connected. Verify no wires are frayed or shorting to ground.
Compressor does not turn on/low humming noise coming from the compressor	Compressor power cut off while it was running.	Shut off cabinet via both switches at rear of cabinet. Leave off for 3 minutes, then power back on.

Problem	Possible Cause	Solution
There is no positional (X,Y,Z) tracking of head movements.	Headset needs to be calibrated.	Please see Headset Calibration Guide, pgs. 30-34
The view within the headset is disoriented.		
Headset does not power on/one or both viewports display a black screen.	Loose connection.	Reseat connection at headset and PC. If the problem persists, contact your distributor to order a replacement.

For the latest troubleshooting tips please visit our website at

www.rawthrills.com/service/godzilla-kaiju-wars-vr-support/

Technical Support

Betson's Raw Thrills Technical Support Hotline
Phone: 1-800-753-2513
FAX: 1-201-438-5019
Email: rtsupport@betson.com

For an authorized distributor near you, check the Raw Thrills website at
www.rawthrills.com/sales/

For Sales, Game Registration, Support and Software Please Visit Our Web Site:

www.rawthrills.com/service/

Electrical and Mechanical Illustrations

GODZILLA KAIJU WARS VR Game Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GVR-Motion_Platform_Sub-Assy	Motion Platform Sub-Assembly	1
2	GVR-Spacer_Bracket_Sub-Assy	Spacer Bracket Sub-Assembly	1
3	GVR-Monitor_Cab_Sub-Assy	Monitor Cabinet Sub-Assembly	1
4	McMaster-Carr - 92865A540	Medium-Strength Grade 5 Steel Hex Head Screw, Zinc-Plated, 1/4"-20 Thread Size, 3/4" Long	4
5	McMaster-Carr - 91114A029	Zinc-Plated Steel External-Tooth Lock Washer for 1/4" Screw Size, 0.256" ID, 0.51" OD	4
6	McMaster-Carr - 92620A542	Zinc Yellow-Chromate Plated Hex Head Screw, Grade 8 Steel, 1/4"-20 Thread Size, 1" Long	13
7	McMaster-Carr - 91102A750	Zinc-Plated Steel Split Lock Washer for 1/4" Screw Size, 0.26" ID, 0.487" OD	31
8	600-02888-01	Upper Monitor Mounting Bracket	1
9	McMaster-Carr - 92865A544	Medium-Strength Grade 5 Steel Hex Head Screw, Zinc-Plated, 1/4"-20 Thread Size, 1-1/4" Long, Fully Threaded	14
10	McMaster-Carr - 90126A029	Zinc-Plated Steel SAE Washer for 1/4" Screw Size, 0.281" ID, 0.625" OD	21
11	GVR-Upper_Monitor_Hanger_Sub-Assy	Upper Monitor Hanger Sub-Assembly	1
12	McMaster-Carr - 92965A540	Black-Oxide Grade 5 Steel Hex Head Screws, Medium-Strength, 1/4"-20 Thread Size, 3/4" Long	4
13	McMaster-Carr - 92146A621	18-8 Stainless Steel Split Lock Washer, Black Oxide, for 1/4" Screw Size, 0.260" ID, 0.487" OD	10
14	RAP-118	Right Topper Support Bracket	1
15	RAP-119	Left Topper Support Bracket	1
16	R1-1115	Topper Support Bracket	1
17	McMaster-Carr - 92865A537	Medium-Strength Grade 5 Steel Hex Head Screw, Zinc-Plated, 1/4"-20 Thread Size, 1/2" Long	4
18	McMaster-Carr - 97416A119	Black-Oxide Steel SAE Flat Washer for 1/4" Screw Size, 0.281" ID, 0.625" OD	22
19	GVR-Topper_Sub-Assy	Topper Sub-Assembly	1
20	R90-13-8	Upper Right Graphic Panel	1
21	R90-13-9	Upper Left Graphic Panel	1
22	McMaster-Carr - 96075A219	Black-Oxide Alloy Steel Tamper-Resistant Torx Rounded Head Screws, 1/4"-20 Thread Size, 3/4" Long	12
23	R90-13-161	Upper Rear Graphic Panel	1
24	GVR-Spacer_Cap_Sub-Assy	Spacer Cap Sub-Assembly	1
25	Partec - 31-TP250-03-001	Black Oxide Steel Tamper-Resistant Button Head Torx Screws, 1/4"-20 Thread Size, 1-1/4" Long	4
26	Partec - 31-TP250-03-007	Black Oxide Steel Tamper-Resistant Button Head Torx Screws, 1/4"-20 Thread Size, 2-1/2" Long	2
27	GVR-Platform-Downlighting_Sub-Assy	Platform Downlighting Sub-Assembly	6
28	McMaster-Carr - 96075A187	Alloy Steel Tamper-Resistant Button Head Torx Screws, 10-32 Thread, 1/2" Long	18
29	McMaster-Carr - 97416A115	Black-Oxide Steel SAE Washer for Number 10 Screw Size, 0.219" ID, 0.5" OD	18
30	GVR-Upper_Back_Door_Sub-Assy	Upper Back Door Sub-Assembly	1
31	GVR-Lower_Back_Door_Sub-Assy	Lower Back Door Sub-Assembly	1
32	McMaster-Carr - 90190A201	Phillips Rounded Head Screws for Sheet Metal, Zinc-Plated Steel, Number 8 Size, 1-1/4" Long	12

GODZILLA KAIJU WARS VR Game Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GVR-Motion_Platform_Mech_Sub-Assy	Motion Platform Mechanism Sub-Assembly	1
2	GVR-Control_Cab_Sub-Assy	Control Cabinet Sub-Assembly	1
3	GVR-Seat_Cab_Sub-Assy	Seat Cabinet Sub-Assembly	1
4	R1-1041	Footrest Treadplate	2
5	R1-1042	Center Platform Treadplate	1
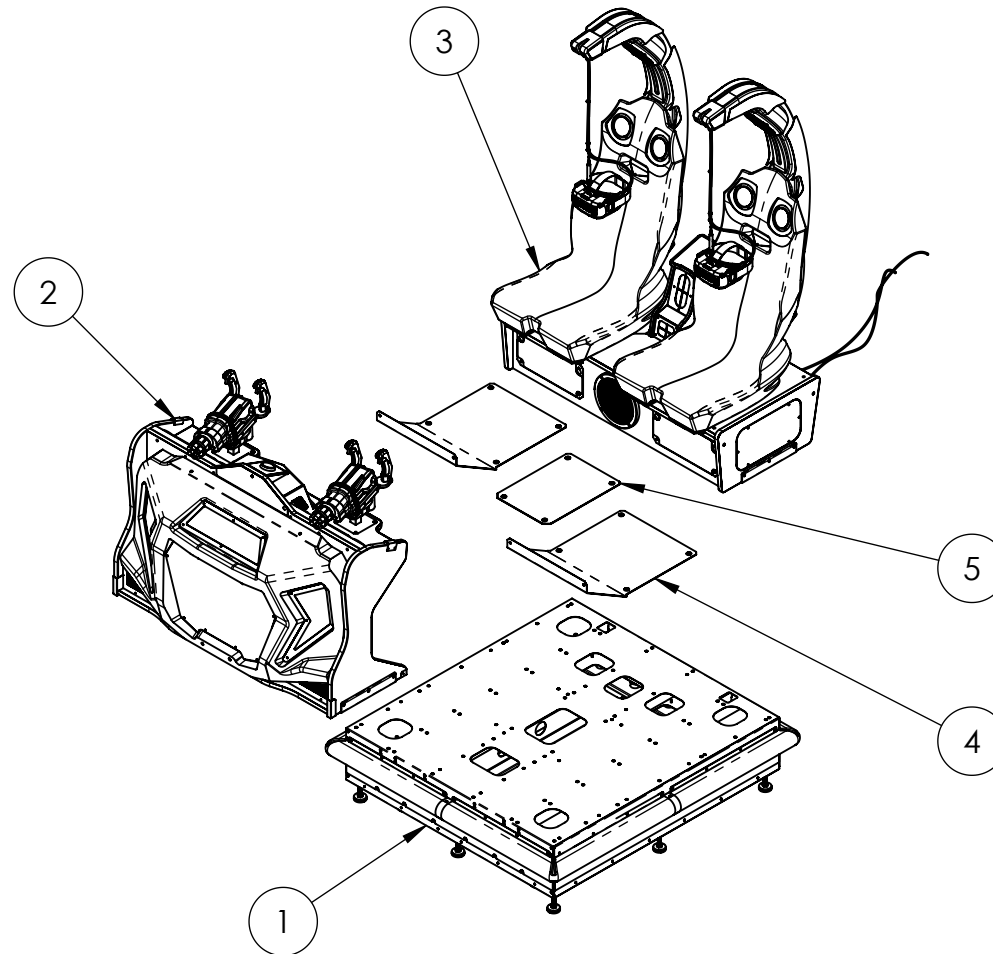
GODZILLA KAIJU WARS VR
Motion Platform Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GVR-Base_Platform_Sub-Assy	Base Platform Sub-Assembly	1
2	GVR-Motion_Platform_Skirt_Sub-Assy-A	Motion Skirt Sub-Assembly - A (P1 Rear & P2 Front)	2
3	GVR-Motion_Platofrm_Skirt_Sub-Assy-B	Motion Skirt Sub-Assembly - B (P1 Front & P2 Rear)	2
4	R1-1079	F/R Skirt Retainer Plate	4
5	R1-1080	Side Skirt Retainer Plate	4
6	GVR-Top_Platform_Sub-Assy	Top Platform Sub-Assembly	1
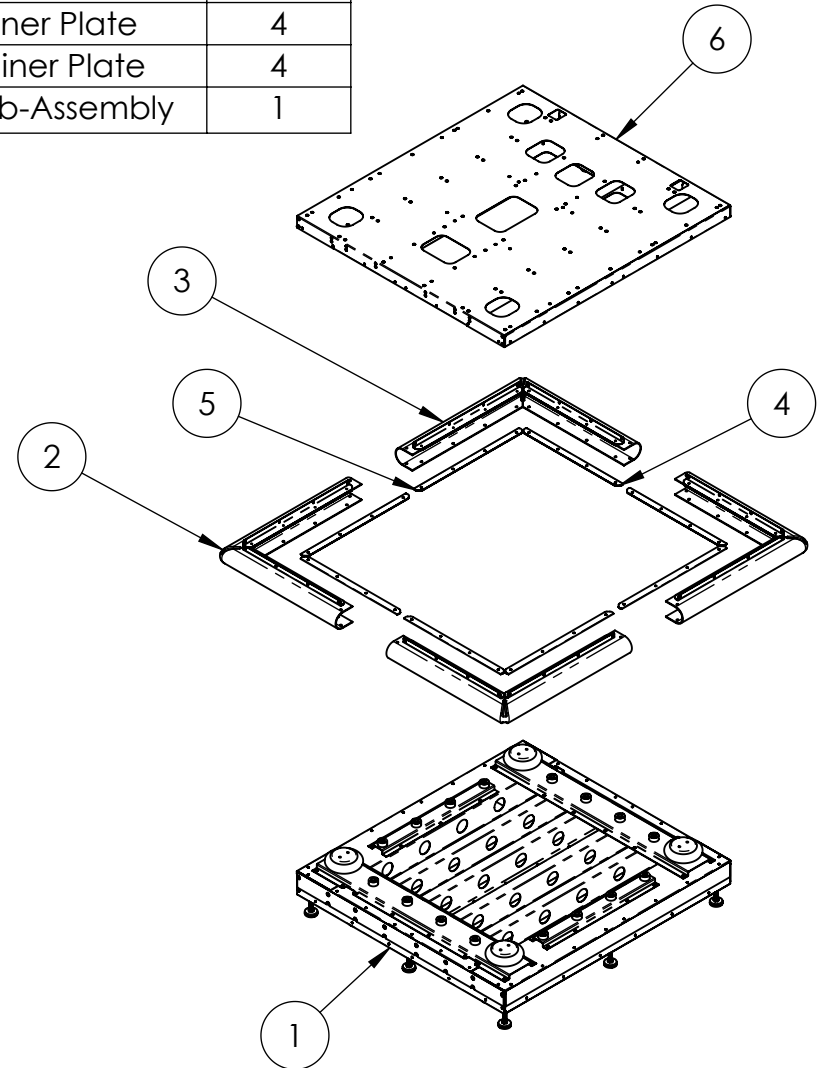
GODZILLA KAIJU WARS VR
Motion Platform Mechanism Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	RAP-103	Base Platform Weldment	1
2	800-00087-01	JuLang Swivel Caster (2.5" Wheel)	4
3	600-01633-01	Leg Leveler Plate	7
4	Partec - 17-278	Leg Leveler #1/2-13 Thread, 3"Long, Fully Threaded (33-9505-01)	7
5	McMaster-Carr - 95462A033	Medium-Strength Steel Hex Nut, Grade 5, Zinc-Plated, 1/2"-13 Thread Size	7
6	AEH - 04-12-500	Wire Harness Clip (for 1/2" Bundle Diameter)	4
7	GVR-Rear_Air_Spring_Sub-Assy	Rear Air Spring Sub-Assembly (w/ 30" Tube)	2
8	GVR-Front_Air_Spring_Sub-Assy	Front Air Spring Sub-Assembly (w/ 72" Tube)	2
9	600-02837-01	Unthreaded Bumper, SBR Rubber, 1-1/2" OD, 3/4" High	16
10	R90-13-23	Base Platform Front Caution Decal	1
11	R90-13-24	Base Platform Side Caution Decal	2
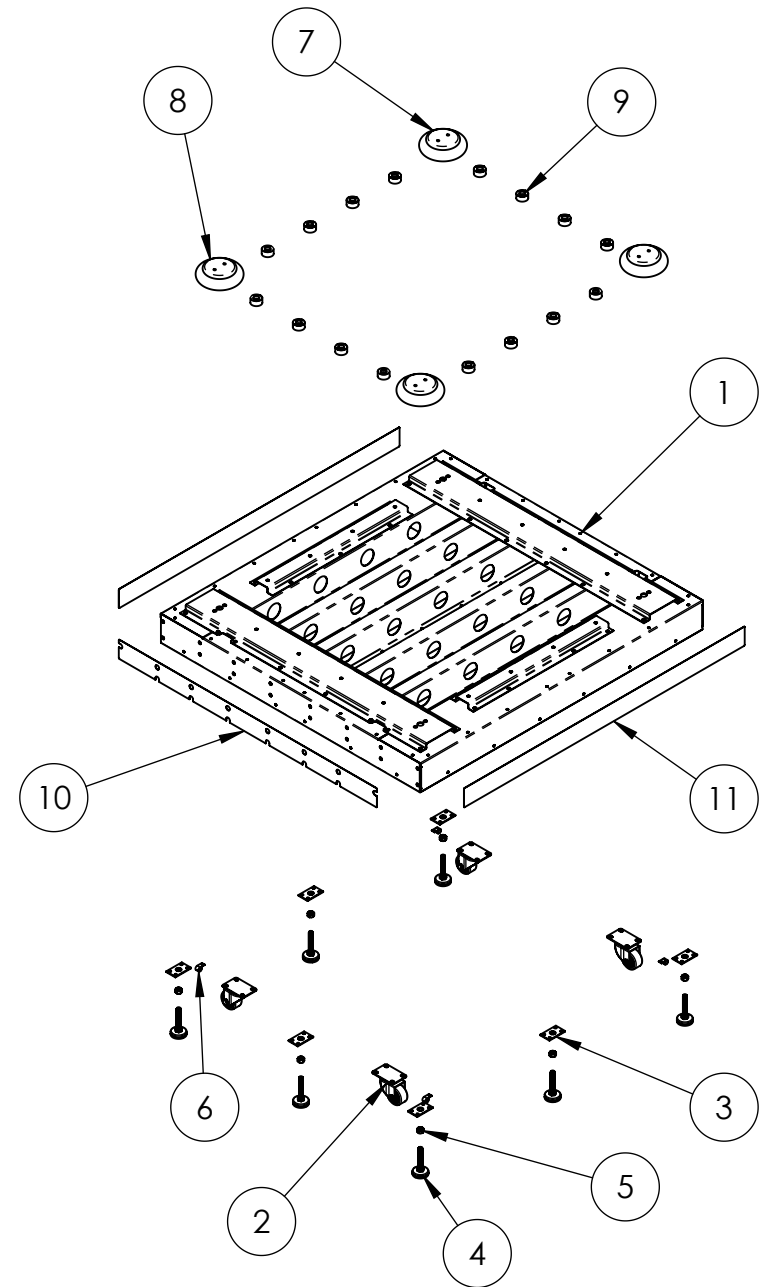
GODZILLA KAIJU WARS VR
Base Platform Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R7-1000	Rubber Safety Skirt	1
2	R1-1081	F/R Skirt Retainer Bracket	1
3	R1-1079	F/R Skirt Retainer Plate	1
4	R1-1082	Side Skirt Retainer Bracket	1
5	R1-1080	Side Skirt Retainer Plate	1
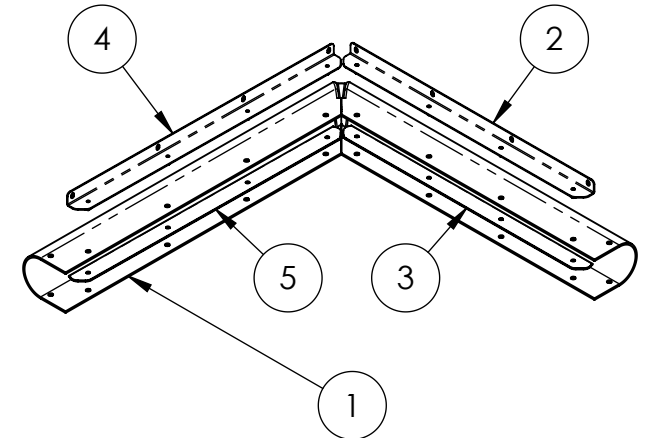
P1 FRONT AND P2 REAR
ORIENTATION "B"
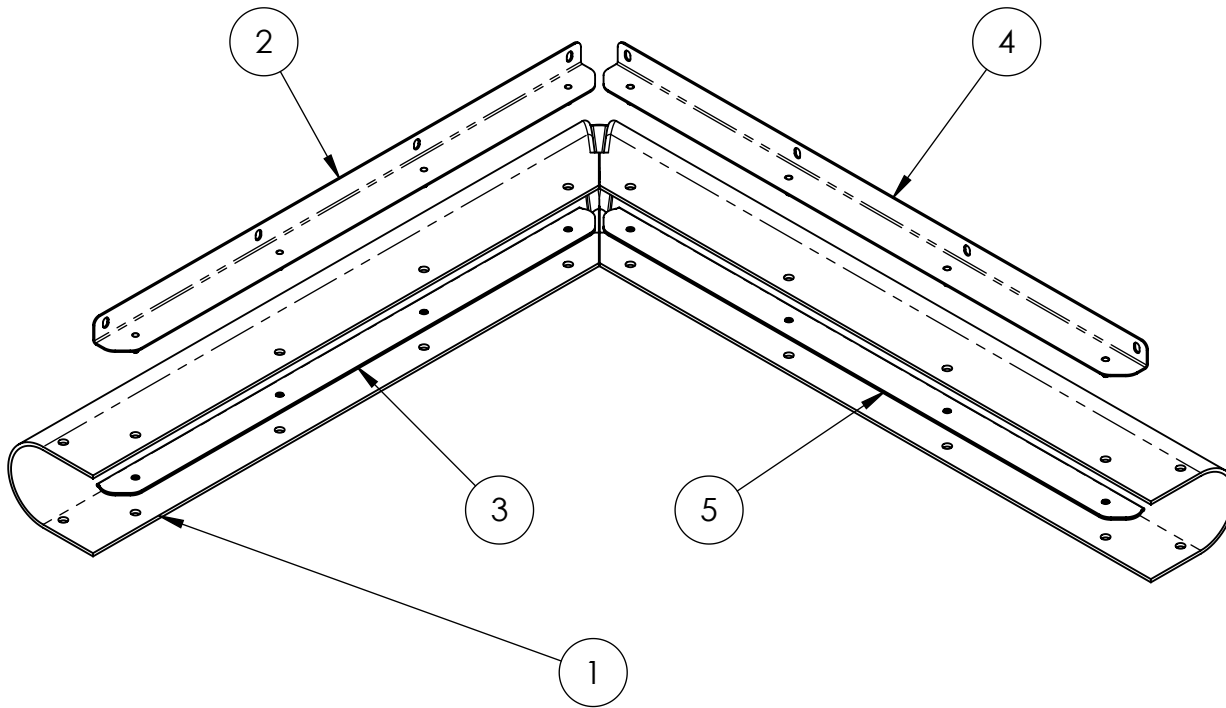
P1 REAR AND P2 FRONT
ORIENTATION "A"

GODZILLA KAIJU WARS VR
Motion Skirt Sub-Assembly

RAW THRILLS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	RAP-104	Top Platform Weldment	1
2	600-02837-01	Unthreaded Bumper, SBR Rubber, 1-1/2" OD, 3/4" High	16
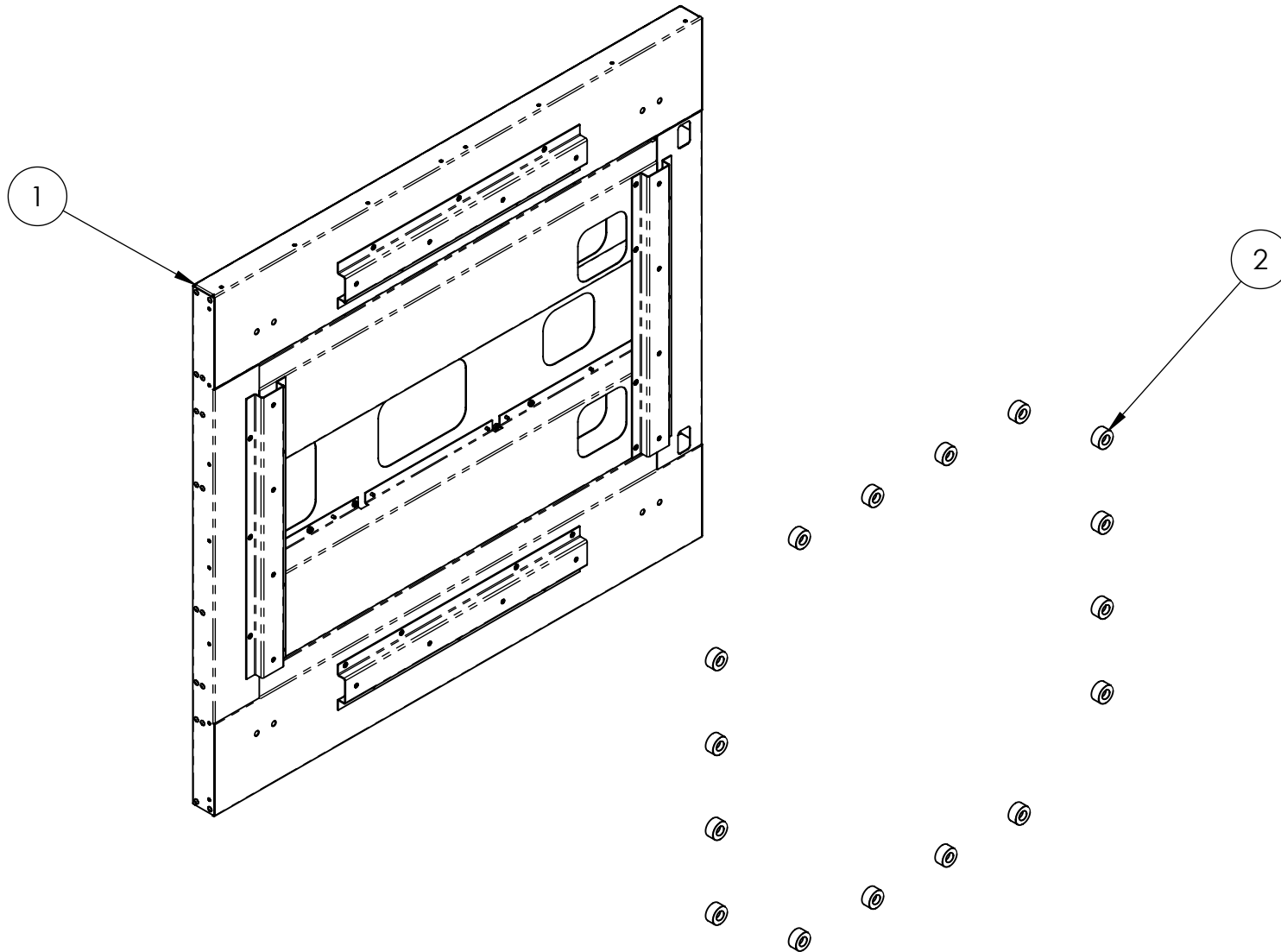
GODZILLA KAIJU WARS VR
Top Platform Sub-Assembly
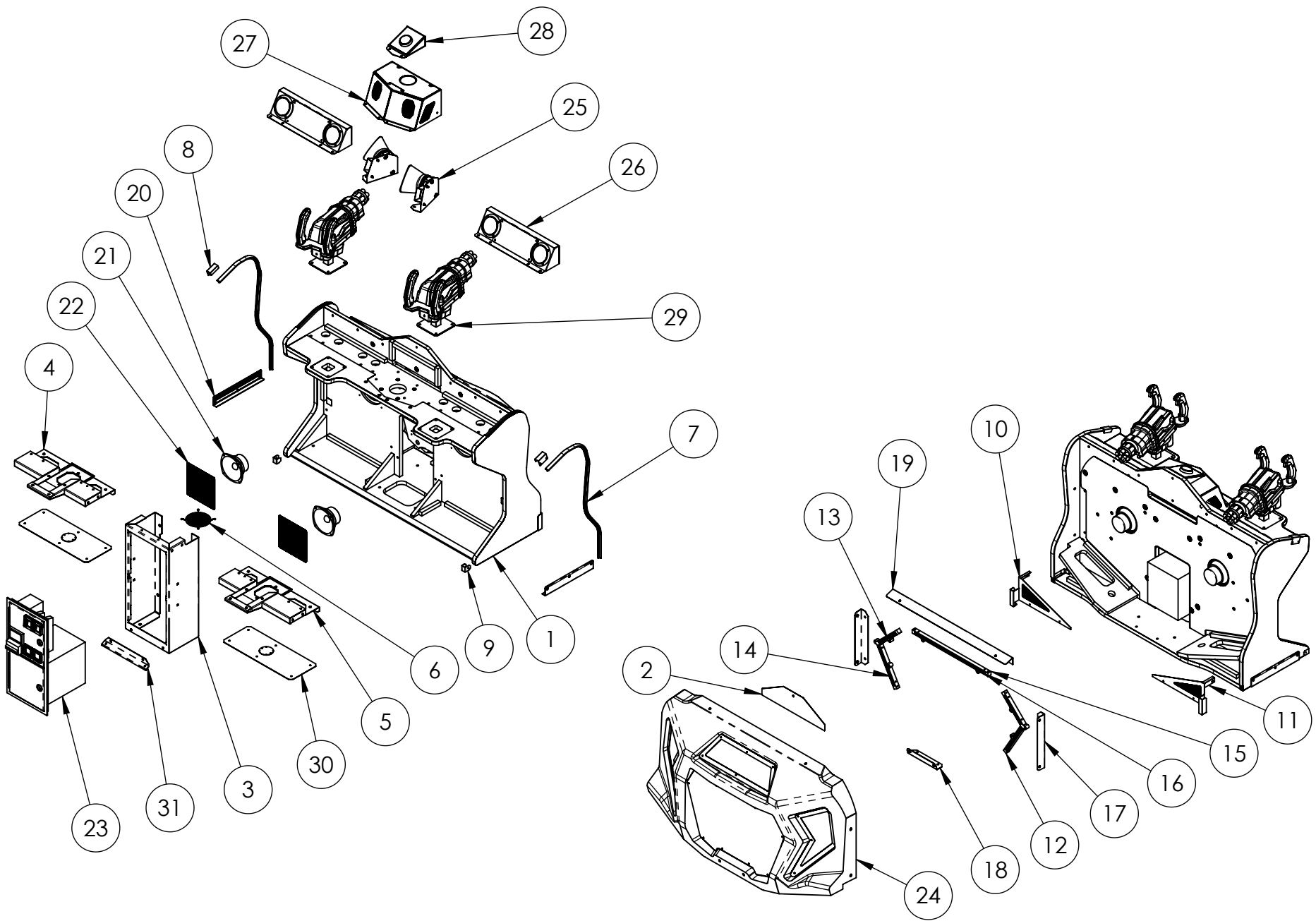
GODZILLA KAIJU WARS VR
Control Cabinet Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-10	Control Cabinet	1
2	R90-13-48	Upper Front Control Cab Decal	1
3	RAP-107	Coin Vault	1
4	RAP-111	P1 Gun Mount Weldment	1
5	RAP-112	P2 Gun Mount Weldment	1
6	800-00001-00	120mm Wire Fan Guard	1
7	603-00718-01 (36.75in)	LED T-Molding Extrusion - 36.75"	2
8	600-03093-01	LED Wide Bracket	2
9	R1-1070	T-Molding Clip	2
10	RAP-108	Left Corner Grill Cover	1
11	RAP-109	Right Corner Grill Cover	1
12	R90-23-23	Vacform Side LED Mount Panel	2
13	500-00184-01 (15 CM)	RGB Flexible LED Tape, w/ FOAM	2
14	500-00184-01 (20 CM)	RGB Flexible LED Tape, w/ FOAM	2
15	R90-23-22	Vacform Center LED Mount Panel	1
16	500-00184-01 (45 CM)	RGB Flexible LED Tape, w/ FOAM	1
17	R1-1052	Vacform Side Bracket	2
18	R1-1053	Vacform Bottom Bracket	1
19	600-02510-01	Vacform Upper Bracket	1
20	603-01002-01	T-Molding Molded Retaining Clip - 12" Clear	2
21	2-1-10-00-00-000	5.25" Speaker, 8 Ohm, Full Range (Goldwood)	2
22	600-01464-01	Speaker Grill	2
23	800-00005-01	Mid-Width Coin Door Assembly (Suzo-Happ)	1
24	GVR_Front_Vacform_Sub-Assy	Front Vacform Sub-Assembly	1
25	GVR-Mini_Blower_Sub-Assy	Mini Blower Sub-Assembly	2
26	GVR-Dash_Dual_Speaker_Sub-Assy	Dash Dual Speaker Sub-Assembly	2
27	GVR-Blower_Cover_Sub-Assy	Blower Cover Sub-Assembly	1
28	GVR-Center_Motion_Stop_Sub-Assy	Center Motion Stop Sub-Assembly	1
29	GVR-Gun_Mech_Sub-Assy	Full Gun Mech Sub-Assembly	2
30	GVR-Gun_Access_Plate_Sub-Assy	Gun Access Plate Sub-Assembly	2
31	R1-1090	Control Cabinet Base Edge Guard	1

GODZILLA KAIJU WARS VR
Control Cabinet Sub-Assembly

RAW THRILLS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-4-5	Vacform Front End Plastic	1
2	R4-1015	Front Vacform Upper Lens	1
3	R1-1092	Front Vacform Upper Bezel	1
4	R4-1016	Front Vacform Right Lens	1
5	R4-1017	Front Vacform Left Lens	1
6	R1-1093	Front Vacform Side Bezel	2
7	500-00162-01 (40 CM)	White Flexible LED Tape, w/ FOAM	3
8	R90-13-4	Vacform Logo Translite	1
9	600-02514-01	Vacform Marquee Lens PETG	1
10	500-00184-01 (105 CM)	RGB Flexible LED Tape, w/ FOAM	1
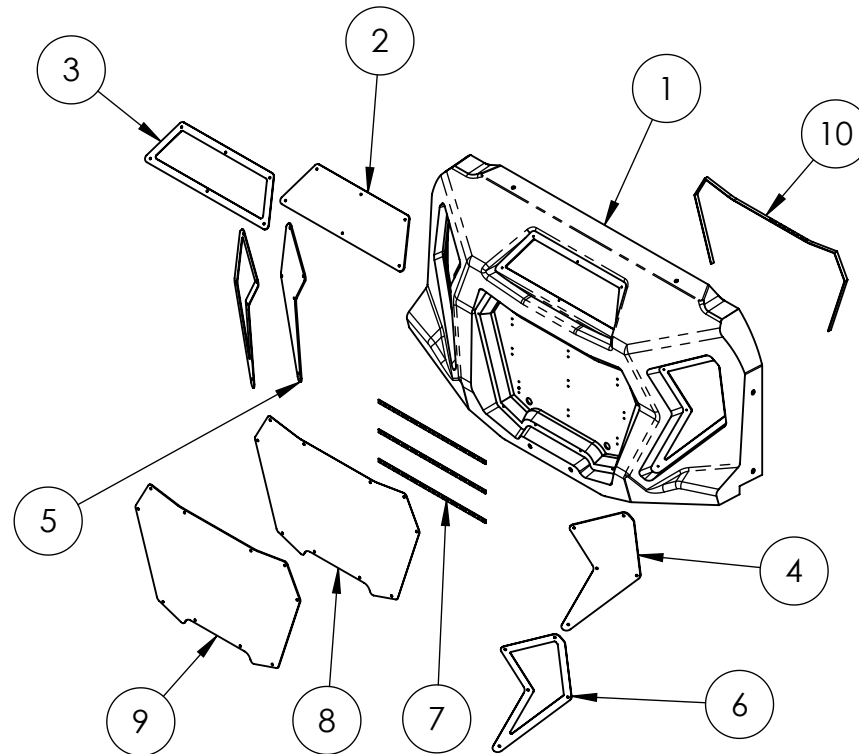
GODZILLA KAIJU WARS VR
Front Vacform Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R1-1008	Mini Blower Mount Bracket	1
2	CR-9	R90-10-1: San Ace Fan Blower (9BMB12P2K01)	1
3	R1-1095	Mini Blower Duct Plate	1
4	McMaster-Carr - 93075A194	Low-Strength Zinc-Plated Steel Hex Head Screws, 8-32 Thread Size, 1/2" Long	4
5	R1-1100	Mini Blower Filter Plate	1
6	R7-1002	Mini Blower Filter	1
7	Partec - 4-114-5	14.5" Cable Tie	1
8	Partec - 31-MS008-03-006	Black Oxide Steel Hex Head Screws, 8-32 Thread Size, 1-3/4" Long	2
9	McMaster-Carr - 90631A009	Low-Strength Steel Nylon-Insert Locknut, Zinc-Plated, 8-32 Thread Size	2
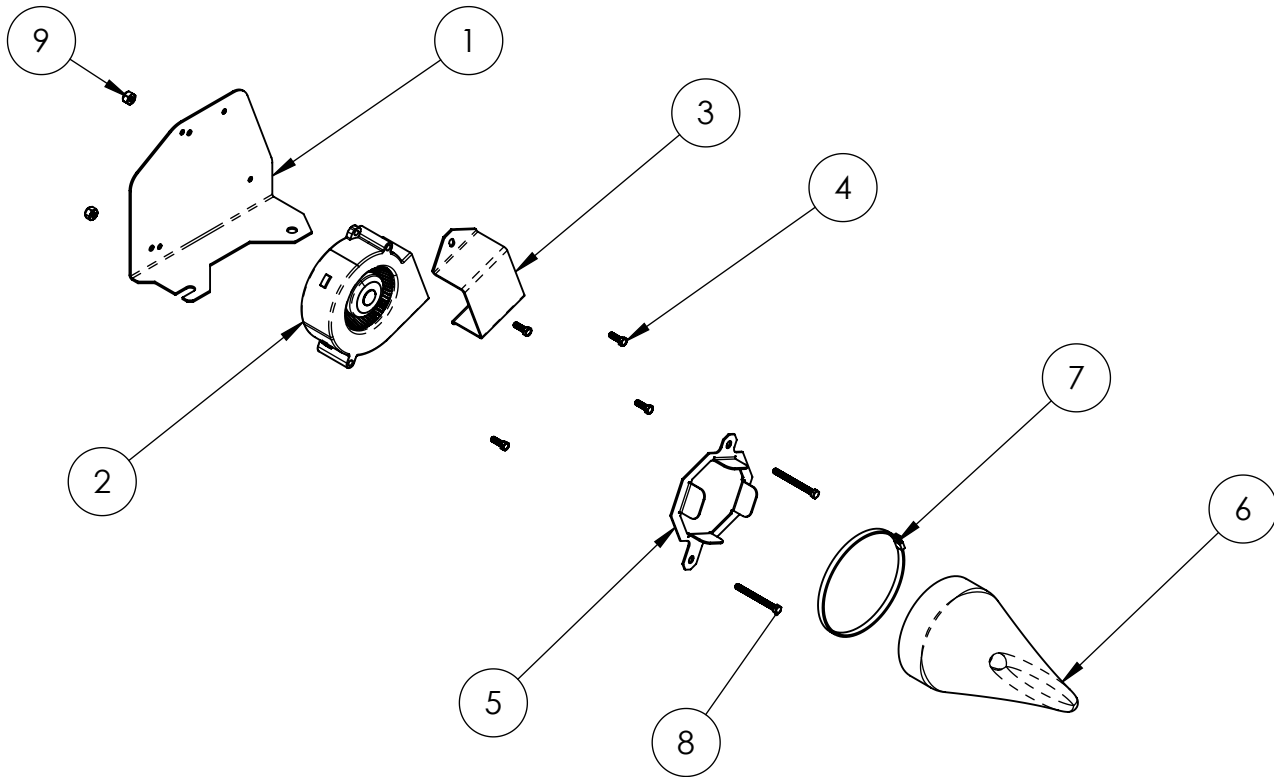
GODZILLA KAIJU WARS VR
Mini Blower Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R1-1089	Dual Speaker Dash Bracket	1
2	807-00010-00	3-1/2" Full Range Speaker	2
3	807-00014-00	3-1/2" Speaker Grill	2
4	500-00162-01 (15 CM)	White Flexible LED Tape, w/ FOAM	1
5	R90-13-5	Dash Gun Graphic PETG	1
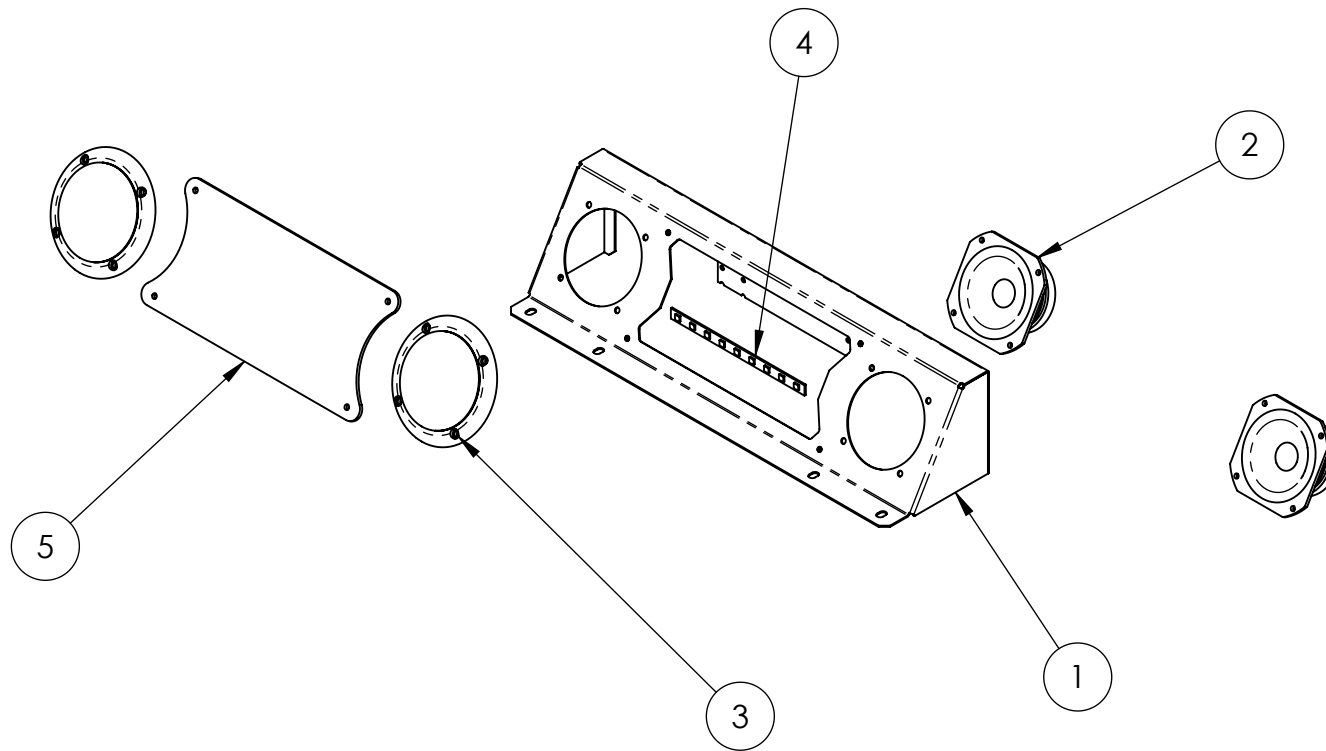
GODZILLA KAIJU WARS VR
Dash Dual Speaker Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	RAP-100	Dual Blower Cover Bracket	1
2	R90-13-39	Blower Cover Top Decal	1
3	R90-13-40	Blower Cover P1 Decal	1
4	R90-13-41	Blower Cover P2 Decal	1
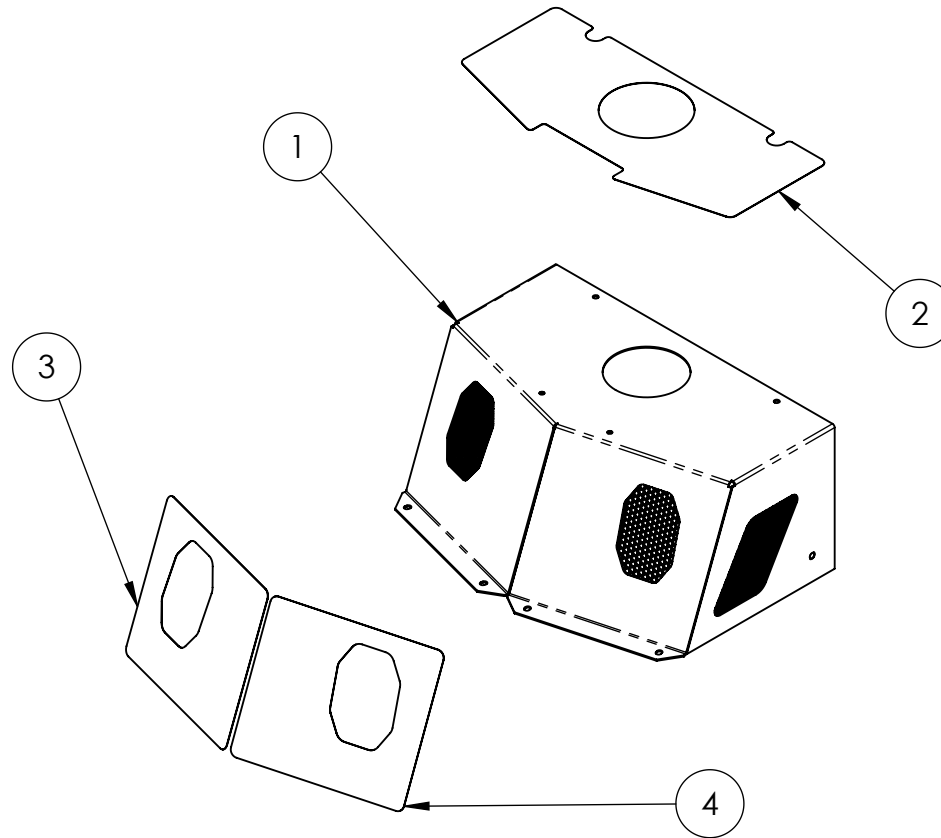
GODZILLA KAIJU WARS VR
Blower Cover Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R1-1038	Motion Stop Button Bracket	1
2	R90-13-38	Motion Stop Decal	1
3	702-00118-01	Large Round Yellow IPB (.187 Gold MS, 6V White LED, "MOTION STOP")	1
4	R90-13-152	Motion Stop Right Decal	1
5	R90-13-153	Motion Stop Left Decal	1
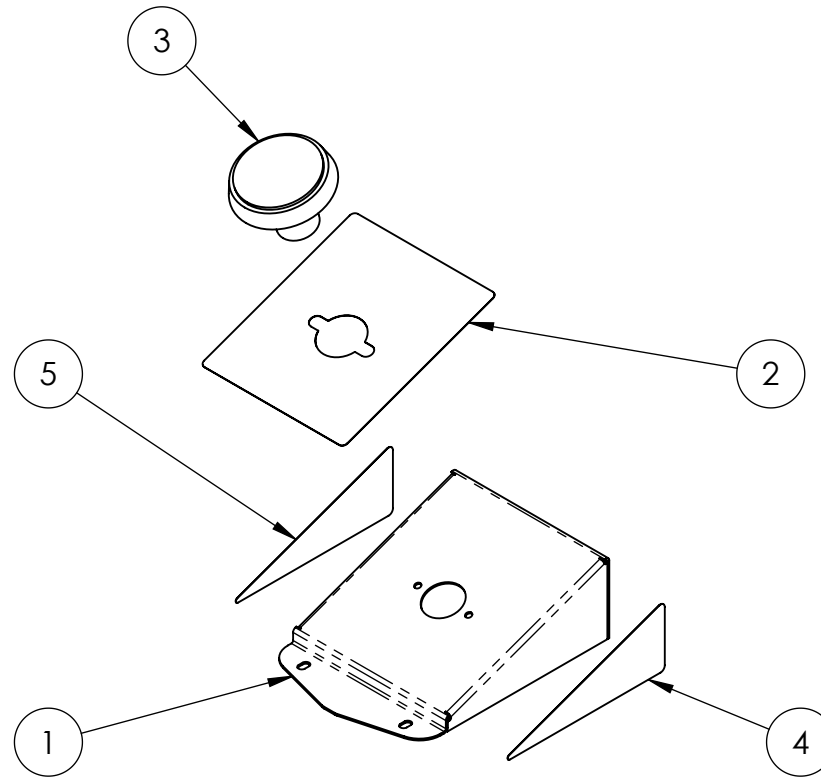
GODZILLA KAIJU WARS VR
Center Motion Stop Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R1-1094	Gun Mount Access Plate	1
2	500-00065-01	Red LED Puck Light PCB (Black)	1
3	603-00540-01	LED Spotlight Lens - Red Tint	1
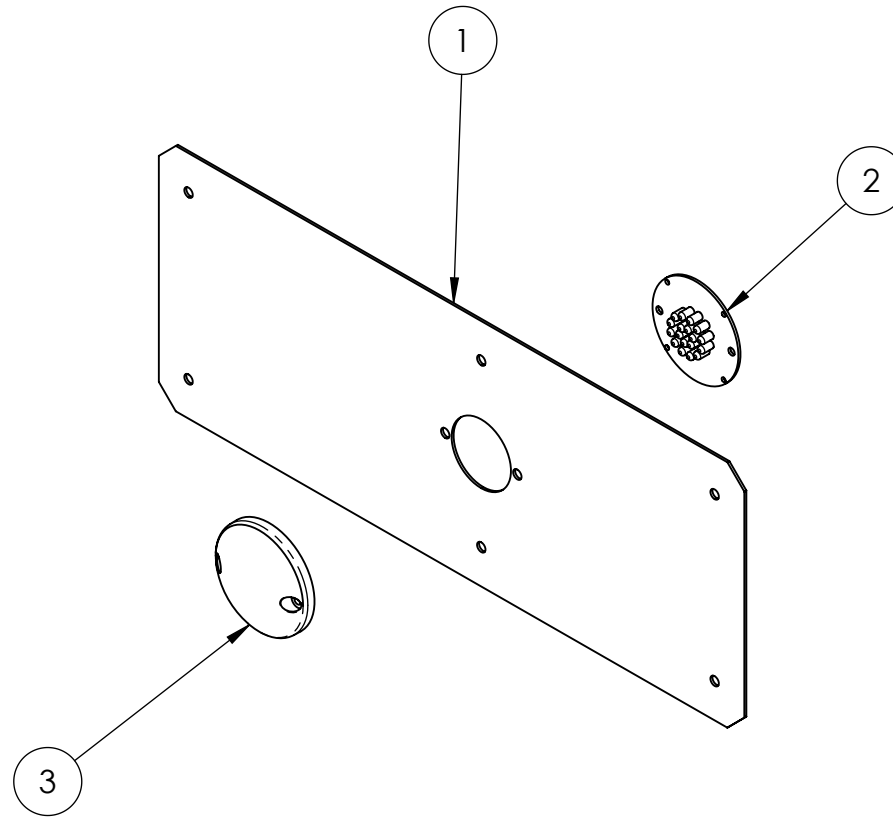
GODZILLA KAIJU WARS VR
Gun Access Plate Sub-Assembly
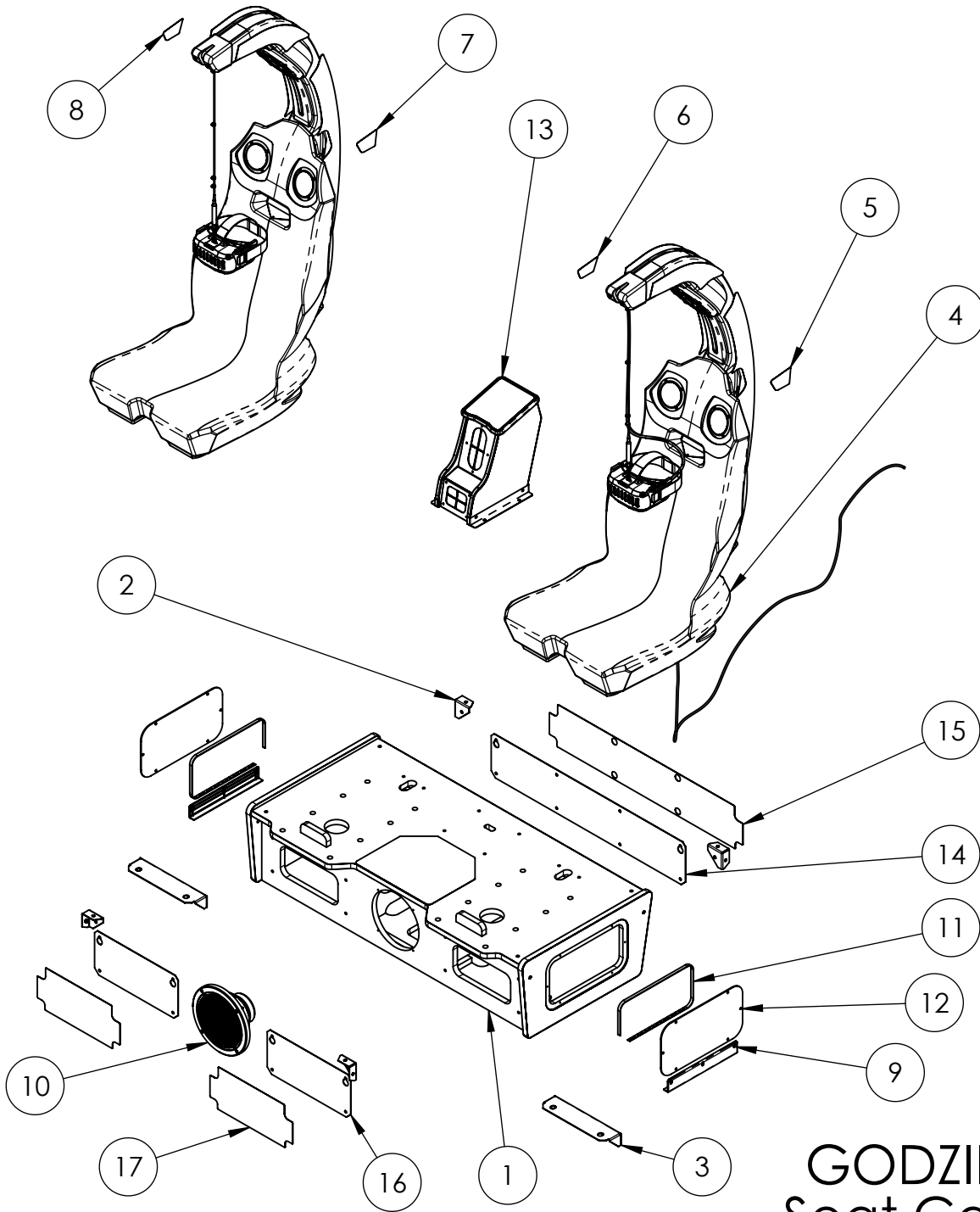
GODZILLA KAIJU WARS VR
Seat Cabinet Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-9	Seat Cabinet	1
2	R1-1099	Seat Panel Corner Brace	4
3	R1-1098	Front Seat Mount Bracket	2
4	GVR-Seat_Sub-Assy	Seat Sub-Assembly	2
5	R90-13-44	P1 Right Rack Cap Decal	1
6	R90-13-45	P1 Left Rack Cap Decal	1
7	R90-13-46	P2 Right Rack Cap Decal	1
8	R90-13-47	P2 Left Rack Cap Decal	1
9	603-01002-01	T-Molding Molded Retaining Clip - 12" Clear	2
10	GVR-Woofer_Sub-Assy	Woofer Sub-Assembly	1
11	500-00162-01 (85 CM)	White Flexible LED Tape, w/ FOAM	2
12	R90-13-14	Seat VR Graphic PETG	2
13	GVR-Seat_Center_Mask_Holder_Sub-Assy	Seat Center Mask Holder Sub-Assembly	1
14	R1-1091	Seat Cabinet Rear Access Plate	1
15	R90-13-19	Rear Seat Access Plate Decal	1
16	R1-1047	Seat Cabinet Front Access Plate	2
17	R90-13-20	Front Seat Access Plate Decal	2

GODZILLA KAIJU WARS VR
Seat Cabinet Sub-Assembly

RAW THRILLS
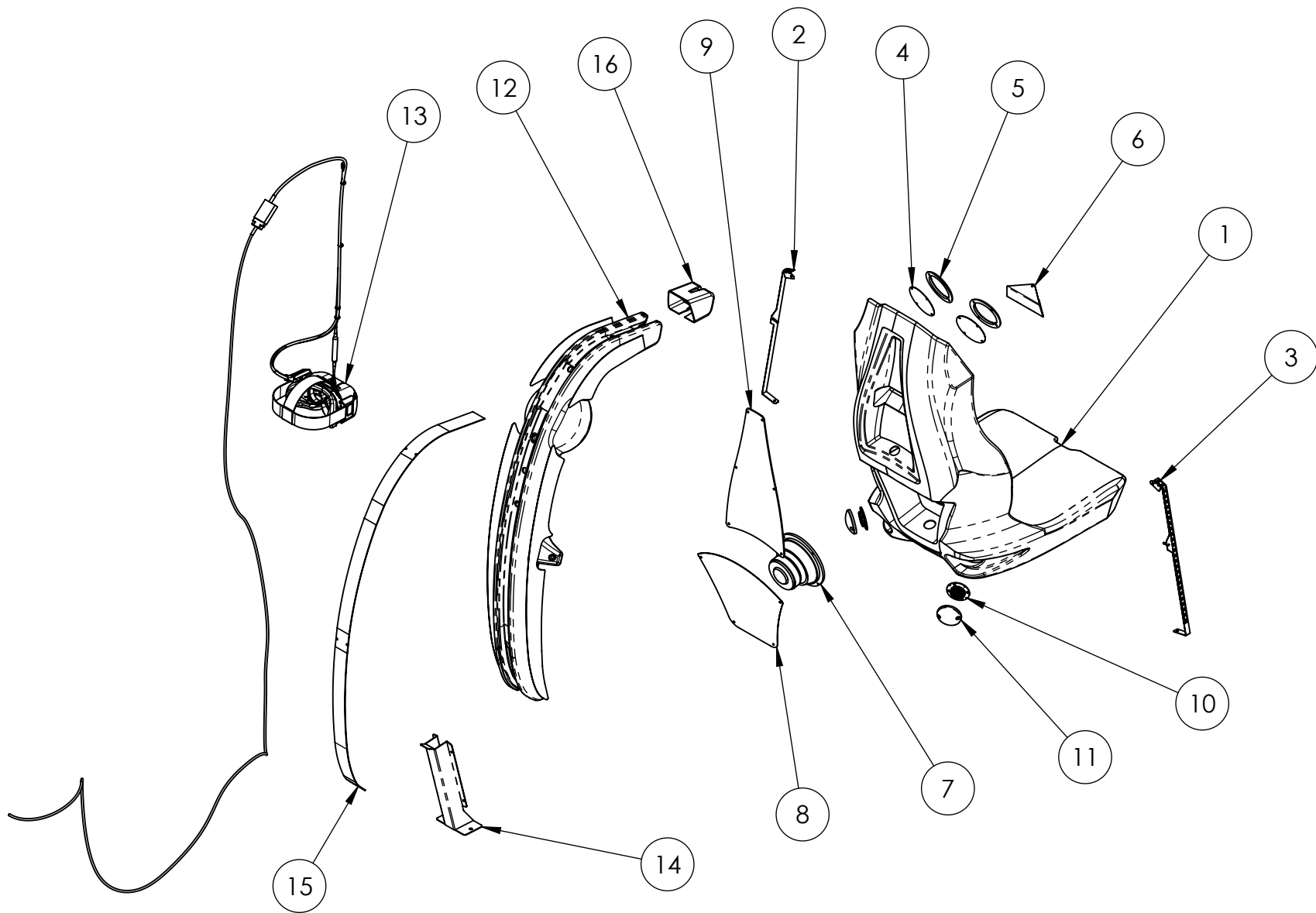
GODZILLA KAIJU WARS VR
Seat Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-4-1	Rotomolded Seat (Flag Blue)	1
2	GVR-Inner_Seat_LED_Sub-Assy-L	Left Inner Seat LED Sub-Assembly	1
3	GVR-Inner_Seat_LED_Sub-Assy-R	Right Inner Seat LED Sub-Assembly	1
4	600-00105-01	Seat Headrest Speaker Grill	2
5	807-00014-00	3-1/2" Speaker Grill	2
6	600-03084-01	Seat Blockout Plate	1
7	807-00003-00	6.5" Woofer, 4 Ohm (Goldwood)	1
8	600-00106-01	Woofer Grill	1
9	R4-1007	Seatback Cover ABS Haircell	1
10	500-00204-01	Red LED Super Puck Light PCB (Black)	2
11	603-00540-01	LED Spotlight Lens - Red Tint	2
12	GVR-Headset_Rack_Sub-Assy	Headset Rack Sub-Assembly	1
13	GVR-DPVR_E4_Headset_Sub-Assy	DPVR E4 Headset Sub-Assembly	1
14	R1-1096	Cable Cover Bracket	1
15	R4-1012	Upper Cable Cover Strip	1
16	R90-4-13	Headset Rack End Cap	1

GODZILLA KAIJU WARS VR
Seat Sub-Assembly

RAW THRILLS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	600-03057-01	Inner Seat LED Mounting Bracket L	1
2	500-00189-01 (45 CM)	Blue Flexible LED Tape, w/ FOAM	1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
2	500-00189-01 (45 CM)	Blue Flexible LED Tape, w/ FOAM	1
3	600-03058-01	Inner Seat LED Mounting Bracket R	1
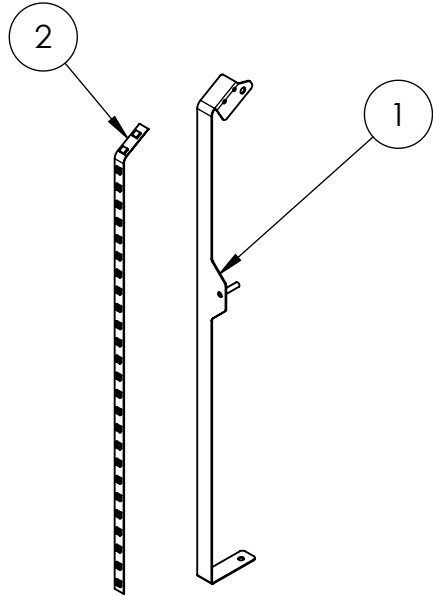
GODZILLA KAIJU WARS VR
Left Inner Seat LED Sub-Assembly
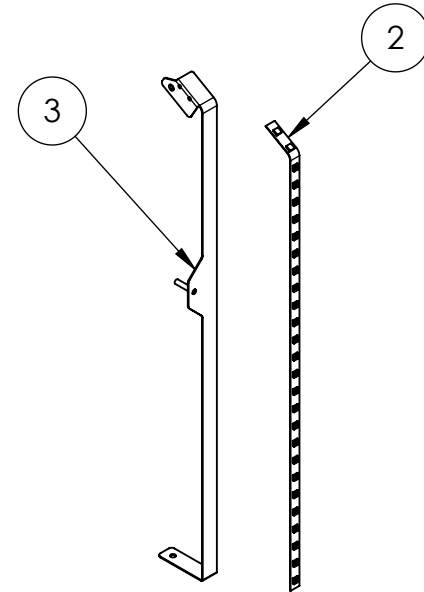
GODZILLA KAIJU WARS VR
Right Inner Seat LED Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-4-12	Rotomolded Headset Rack	1
2	R90-13-147	Headpost Upper Right Decal	1
3	R90-13-148	Headpost Upper Left Decal	1
4	R90-13-155	Headpost Lower Right Decal	1
5	R90-13-156	Headpost Lower Left Decal	1
6	GVR-Upper_HS_Edgeglow_Sub-Assy	Upper Headset Edgeglow Sub-Assembly	1
7	GVR-Lower_HS_Edgeglow_Sub-Assy	Lower Headset Edgeglow Sub-Assembly	1
8	2-1-10-00-00-000	5.25" Speaker, 8 Ohm, Full Range (Goldwood)	1
9	R1-1075	Headset Post Speaker Screen	1
10	500-00245-01	Encased RGB LED Tape (55CM)	1
11	603-00890-01	IM Speaker Cover (Plated)	1
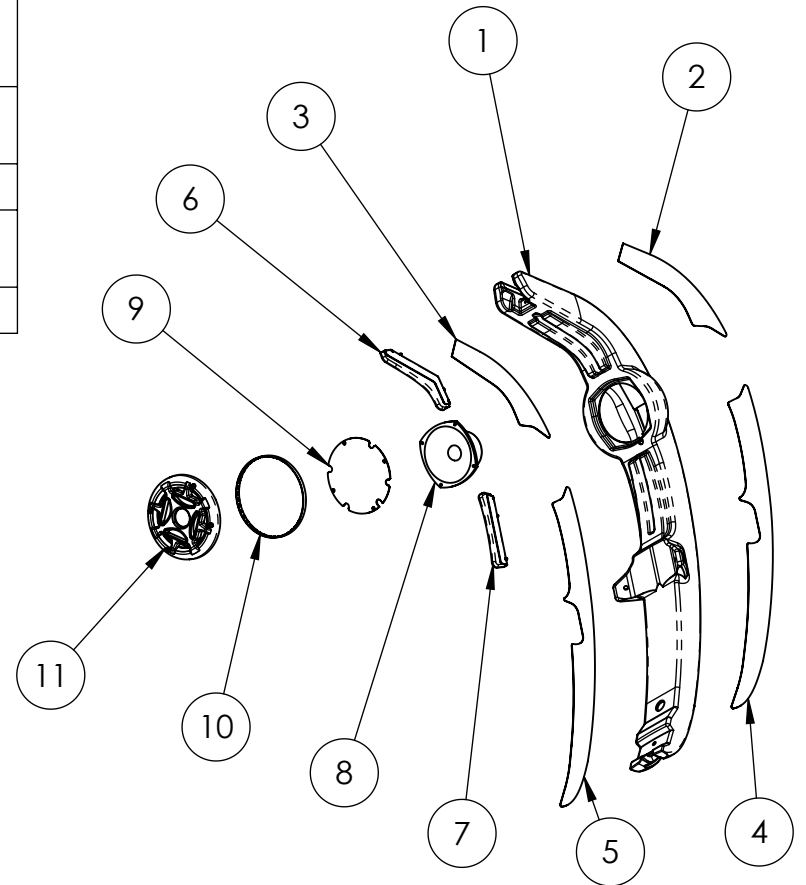
GODZILLA KAIJU WARS VR
Headset Rack Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R1-1076	Rack Acrylic Upper Bracket	1
2	500-00184-01 (20CM)	RGB Flexible LED Tape, w/ FOAM	1
3	R4-1013	Rack Upper Acrylic	1
4	McMaster-Carr - 98002A411	Steel Binding Barrels, 8-32 Thread Size, 1/4" Long	2

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
4	McMaster-Carr - 98002A411	Steel Binding Barrels, 8-32 Thread Size, 1/4" Long	2
5	R1-1077	Rack Acrylic Lower Bracket	1
6	500-00184-01 (15CM)	RGB Flexible LED Tape, w/ FOAM	1
7	R4-1014	Rack Lower Acrylic	1
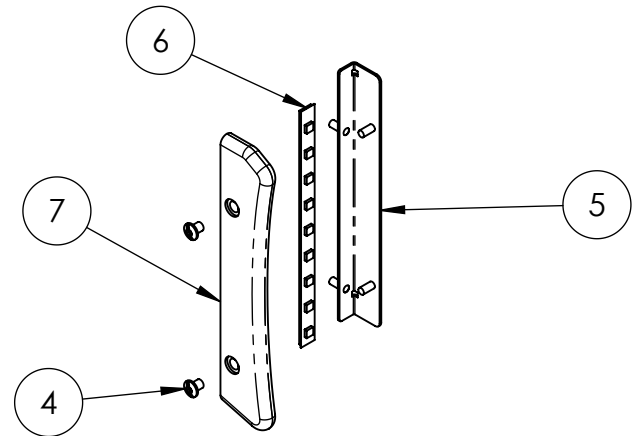
GODZILLA KAIJU WARS VR
Lower Headset Edgeglow Sub-Assembly

GODZILLA KAIJU WARS VR
Upper Headset Edgeglow Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	603-00961-01	IM 8" Woofer Ring	1
2	2-1-18-00-00-000	8" Woofer, 4 Ohm (Goldwood)	1
3	Partec - 31-CB008-03-003	Black Oxide Steel Square-Neck Carriage Bolt, 8-32 Thread Size, 1-1/4" Long	4
4	McMaster-Carr - 90675A009	Steel Locknut with External-Tooth Lock Washer, Zinc-Plated, 8-32 Thread Size, 11/32" Wide	4
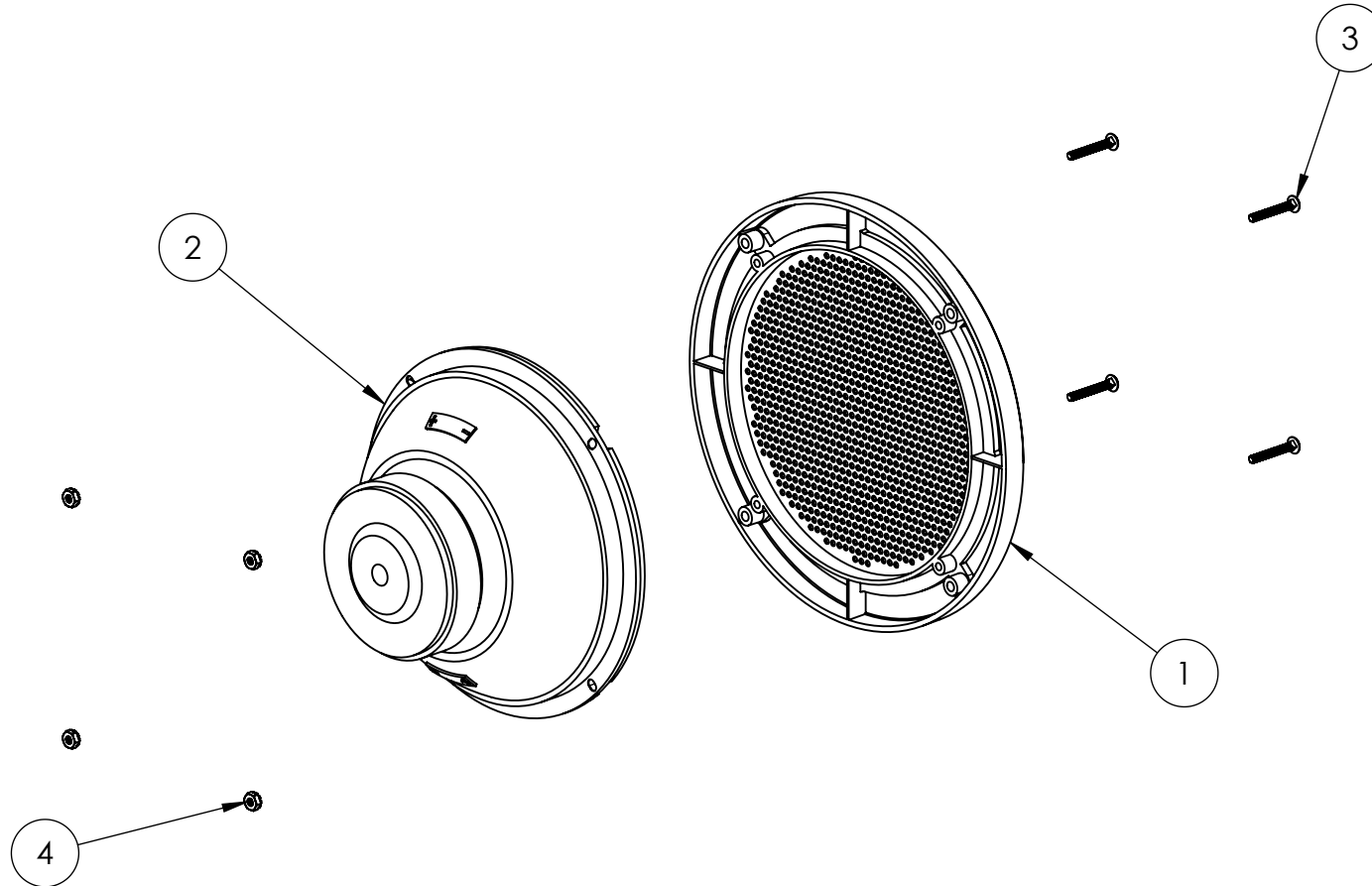
GODZILLA KAIJU WARS VR
Woofer Sub-Assembly

RAW THRILLS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-24	Mask Holder Wood Assembly	1
2	AEH - 04-12-500	Wire Harness Clip (for 1/2" Bundle Diameter)	3
3	R4-1020	Mask Holder Top Acrylic	1
4	500-00184-01 (25 CM)	RGB Flexible LED Tape, w/ FOAM	1
5	R1-1104	Mask Holder Top Plate	1
6	R90-13-146	Mask Holder Top Decal	1
7	R1-1105	Mask Holder Ramp Panel	1
8	GVR-Mask_Holder_Bracket_Sub-Assy	Mask Holder Bracket Sub-Assembly	1
9	R1-1106	Mask Holder Mounting Bracket	2
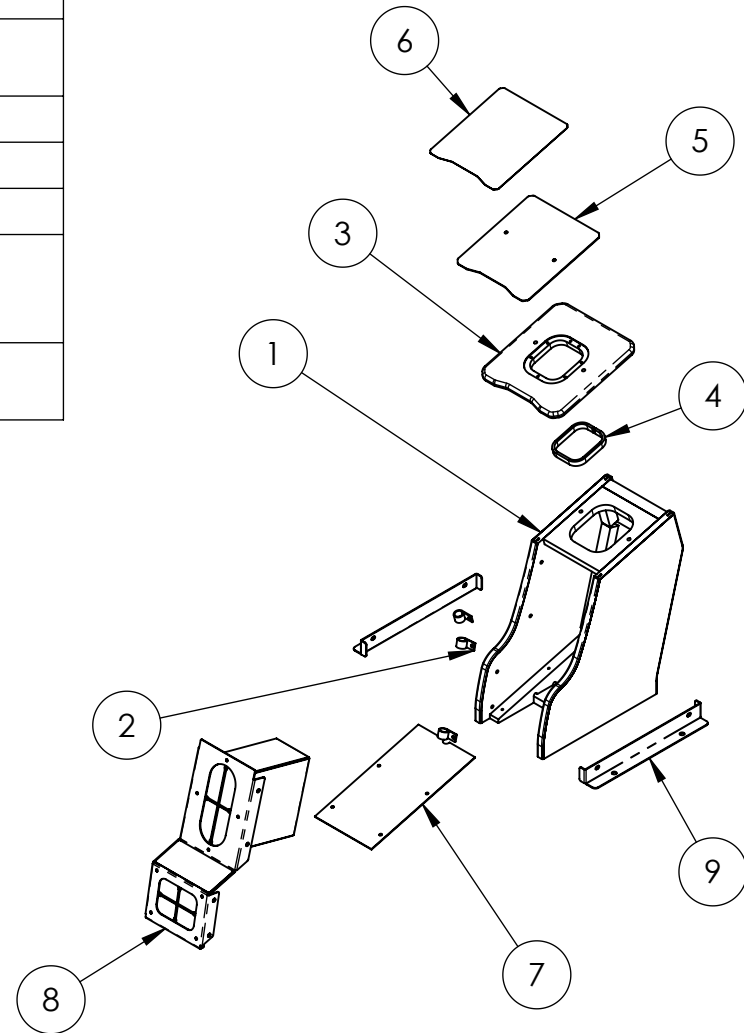
GODZILLA KAIJU WARS VR
Seat Center Mask Holder Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R1-1101	Mask Holder Main Cover Plate	1
2	R7-1006	Eye Mask Boot	1
3	R1-1102	Mask Holder Inner Housing Bracket	1
4	R7-1007	Handy Wipe Boot	1
5	R1-1103	Mask Holder Handy Wipe Boot Frame	1
6	McMaster-Carr - 90633A009	Low-Strength Steel Thin Nylon-Insert Locknut, Zinc-Plated, 8-32 Thread Size	8
7	R90-13-150	Mask Holder Mid Decal	1
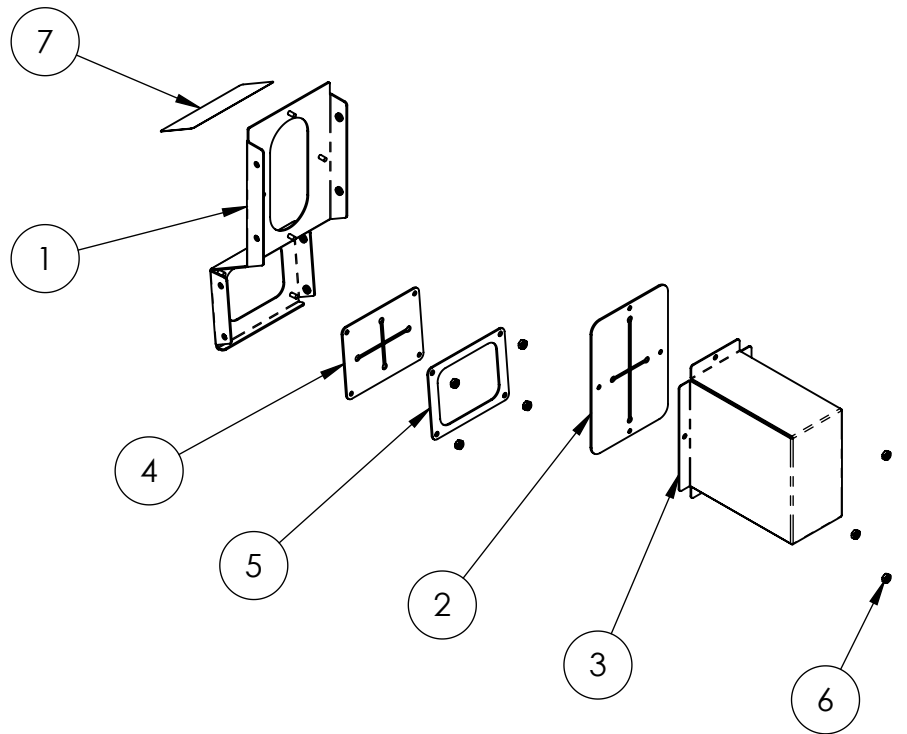
GODZILLA KAIJU WARS VR
Mask Holder Bracket Sub-Assembly
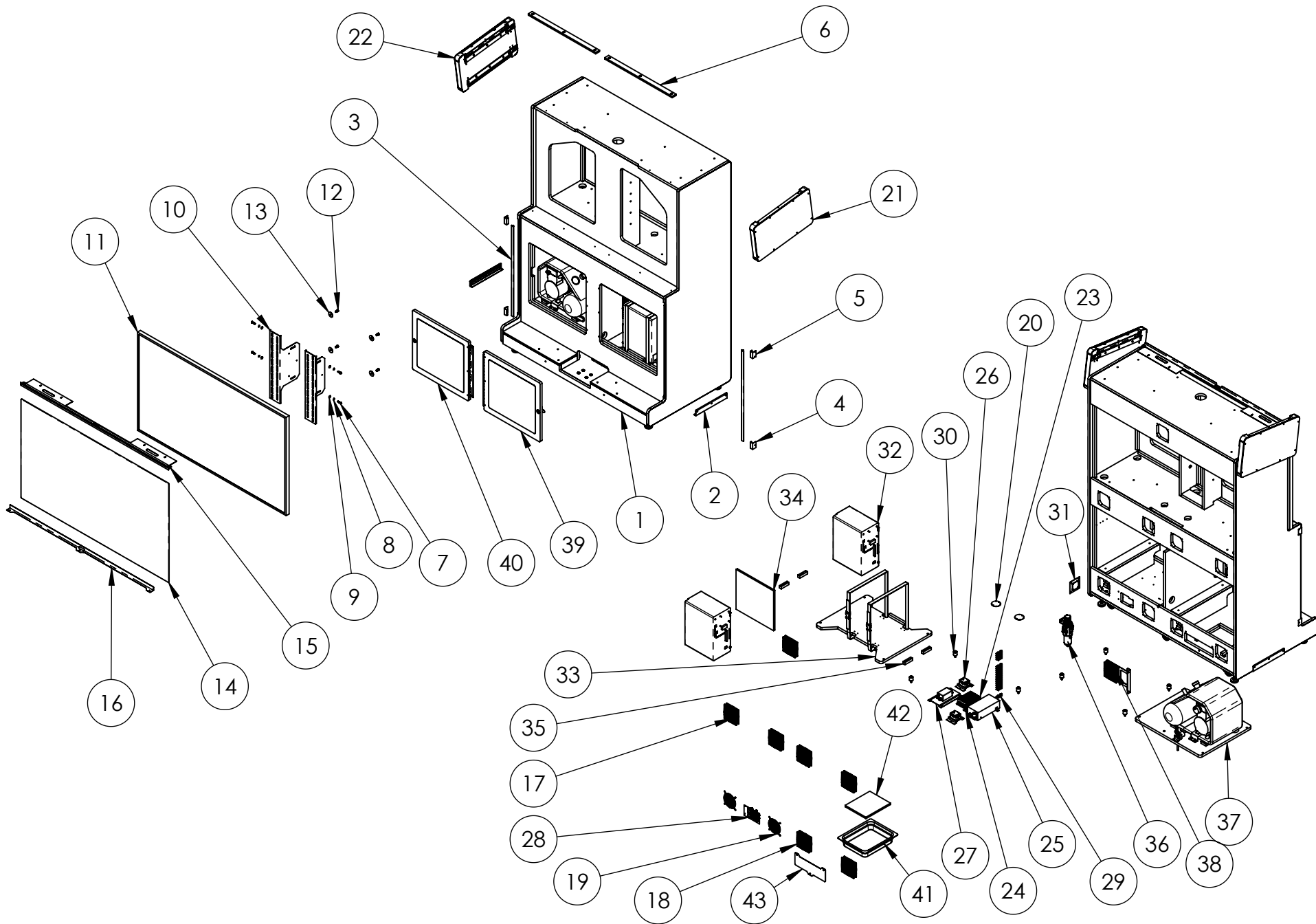
GODZILLA KAIJU WARS VR
Monitor Cabinet Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-1	Lower Monitor Cabinet	1
2	603-01002-01	T-Molding Molded Retaining Clip - 12" Clear	2
3	603-00718-01 (30in)	LED T-Molding Extrusion - 30"	2
4	600-02915-01	LED Extrusion Wide Bracket	2
5	600-03093-01	LED Wide Bracket	2
6	R90-23-33	Monitor Cleat	2
7	McMaster-Carr - 92620A542	Zinc Yellow-Chromate Plated Hex Head Screw, Grade 8 Steel, 1/4"-20 Thread Size, 1" Long	4
8	McMaster-Carr - 91102A750	Zinc-Plated Steel Split Lock Washer for 1/4" Screw Size, 0.26" ID, 0.487" OD	4
9	McMaster-Carr - 90126A029	Zinc-Plated Steel SAE Washer for 1/4" Screw Size, 0.281" ID, 0.625" OD	4
10	R1-1135	Lower Monitor Mount Bracket	2
11	809-00016-01 (QB65C)	Samsung QB65C Display	1
12	McMaster-Carr - 91280A526	Medium-Strength Class 8.8 Steel Hex Head Screw, Zinc-Plated, M8 x 1.25 mm Thread, 16 mm Long	4
13	McMaster-Carr - 90377A165	Black-Oxide 18-8 Stainless Steel Washer, Oversized, 5/16" Screw Size, 0.344" ID, 1.5" OD	4
14	R4-1025	Lower Monitor Cover Lens	1
15	RAP-113	Upper/Lower Monitor Cross Bracket	1
16	R1-1097	Lower Monitor Cross Bracket	1
17	GVR-Standard_Fan_Sub-Assy	Fan (CA-3277) and Wire Grill (800-00001-00) Assembly	3
18	GVR-Tach_&_PWM_Fan_Sub-Assy	Tach/PWM Fan (CA-4998) and Wire Grill (800-00001-00) Assembly	4
19	800-00001-00	120mm Wire Fan Guard	2
20	500-00205-01	White LED Super Puck Light PCB (Black)	2
21	GVR-Logo_Lightbox_Sub-Assy-R	Right Logo Lightbox Sub-Assembly	1
22	GVR-Logo_Lightbox_Sub-Assy-L	Left Logo Lightbox Sub-Assembly	1
23	330-00002-01	LRS-150F-24: 150W, 24V, Low Leakage Power Supply	1
24	1-1505	Power Supply Mounting Bracket	1
25	330-00003-01	HRP-600-12: 600W, 12V Dual Voltage Power Supply (Requires 2X 1-2328 - Mounting Brackets)	1
26	GVR-Solid_State_Relay_Sub-Assy	Solid State Relay Sub-Assembly	2
27	GVR-Power_Line_Filter_Sub-Assy	Power Line Filter Sub-Assembly	1
28	AC_Double_Inlet_Sub-Assy	Dual Inlet AC Power Plate Sub-Assembly	1
29	GVR-Fuseblock	Fuseblock (4X 2A SLO-BLO, 13X 5A FAST-ACT, 1X 10A FAST-ACT)	1
30	600-02972-01	Vibration-Damping Sandwich Mount with Stud and Insert, Neoprene, 1/4"-20 Thread Size, 40 lbs. Capacity, 1" High	8
31	GVR-Compressor_Monitor_PCB_Sub-Assy	Compressor Monitor PCB Sub-Assembly	1
32	850-00042-01	LenovoM90t PC (& R90-19-17: RTX 4060 Video Card)	2
33	GVR-PC_Shelf_Sub-Assy	PC Mounting Shelf Sub-Assembly	1
34	Partec - 7-197	PC Foam Pad	1
35	601-00580-01	PC Wood Cleat	4
36	GVR-Filter_Regulatory_Sub-Assy	Filter/Regulator Sub-Assembly	1
37	GVR-Compressor_Shelf_Sub-Assy	Compressor Mounting Shelf Sub-Assembly	1
38	GVR-Compressor_Fan_Sub-Assy	Compressor Fan Sub-Assembly	1
39	GVR-Right_Front_Access_Door_Sub-Assy	Right Front Access Door Sub-Assembly (PC)	1
40	GVR-Left_Front_Access_Door_Sub-Assy	Left Front Access Door Sub-Assembly (Compressor)	1
41	603-01006-01	Drain Pan (22PP190)	1
42	603-01007-01	Drain Sponge	1
43	R1-1001	Drip Tray Access Cover	1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	RAP-115	Side Logo Lightbox	1
2	500-00162-01 (45 CM)	White Flexible LED Tape, w/ FOAM	2
3	500-00162-01 (40 CM)	White Flexible LED Tape, w/ FOAM	2
4	R4-1021	Side Logo End PETG Lens	2
5	R4-1022	Lightbox Spacer Panel A	1
6	R4-1023	Lightbox Spacer Panel B	1
7	R90-13-149	Side Logo Graphic PETG	1
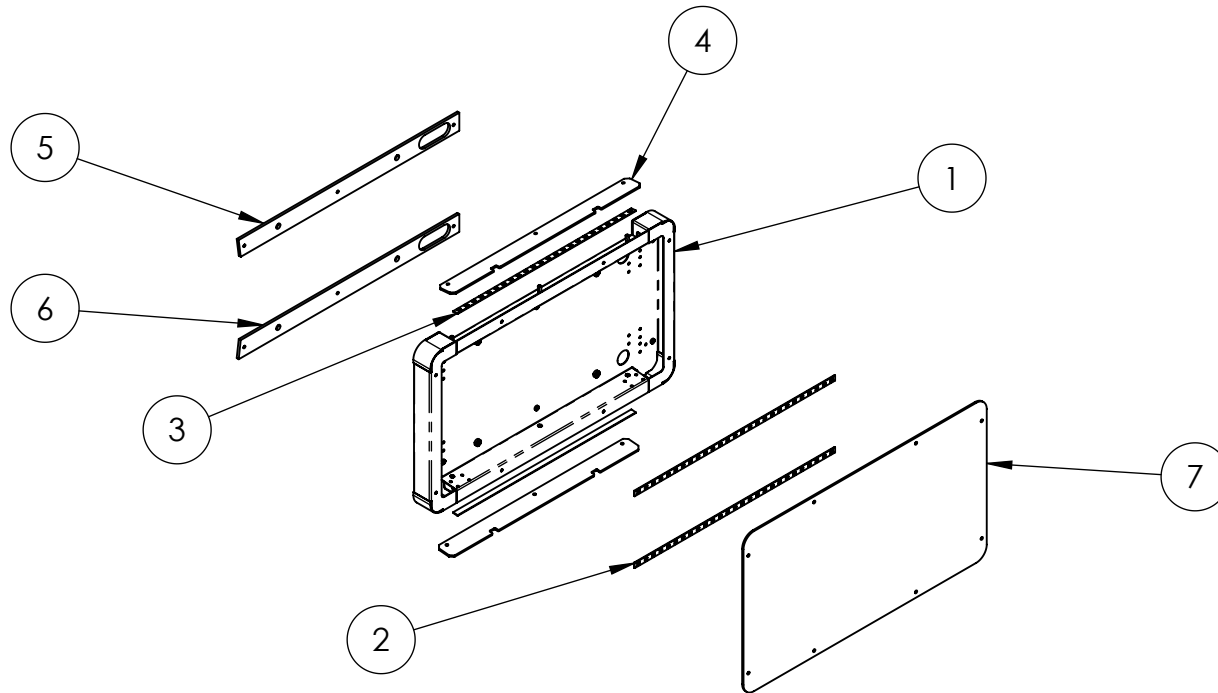
GODZILLA KAIJU WARS VR
Right Logo Lightbox Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	600-03119-01	Solid State Relay Bracket	1
2	800-00079-01	Crouzet 84137910N, 25A Solid State Relay	1
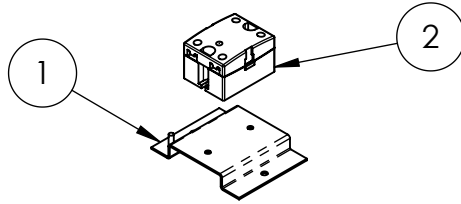
GODZILLA KAIJU WARS VR
Solid State Relay Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
3	600-02799-01	Line Filter Mounting Plate	1
4	R90-8-1	Corcom 16EQ1 Power Line Filter	1
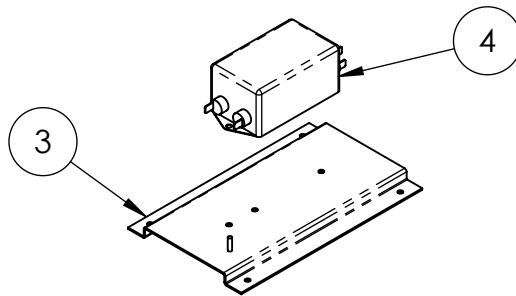
GODZILLA KAIJU WARS VR
Power Line Filter Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
5	600-01384-01	AC Double Inlet Plate	1
6	Marquardt - 1832.3312	Rocker Switch (DPST): 250VAC, 16A	2
7	Schurter - 4404.001	Thermal Circuit Breaker: 240VAC, 15A, Snap-in, Fuseholder, 1-Pole	2
8	Qualtek - 703W-00/08	AC Receptacle: 250V, 15A	2
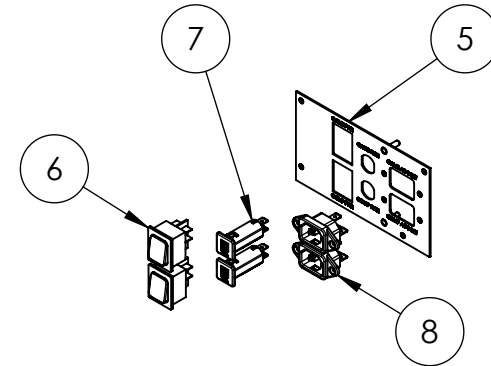
GODZILLA KAIJU WARS VR
Dual Inlet AC Power Plate Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-4	PC Mounting Panel	1
2	600-00891-01	Securing Nylon Strap Plate	4
3	PC_Strap_Assy	Buckle Clasp (17-313-1 & 17-313-2) and Nylon Strap (17-312: 72")	2
4	McMaster-Carr - 90054A196	Flanged Hex Head Screws for Sheet Metal, Zinc-Plated Steel, Number 8 Size, 5/8" Long	8
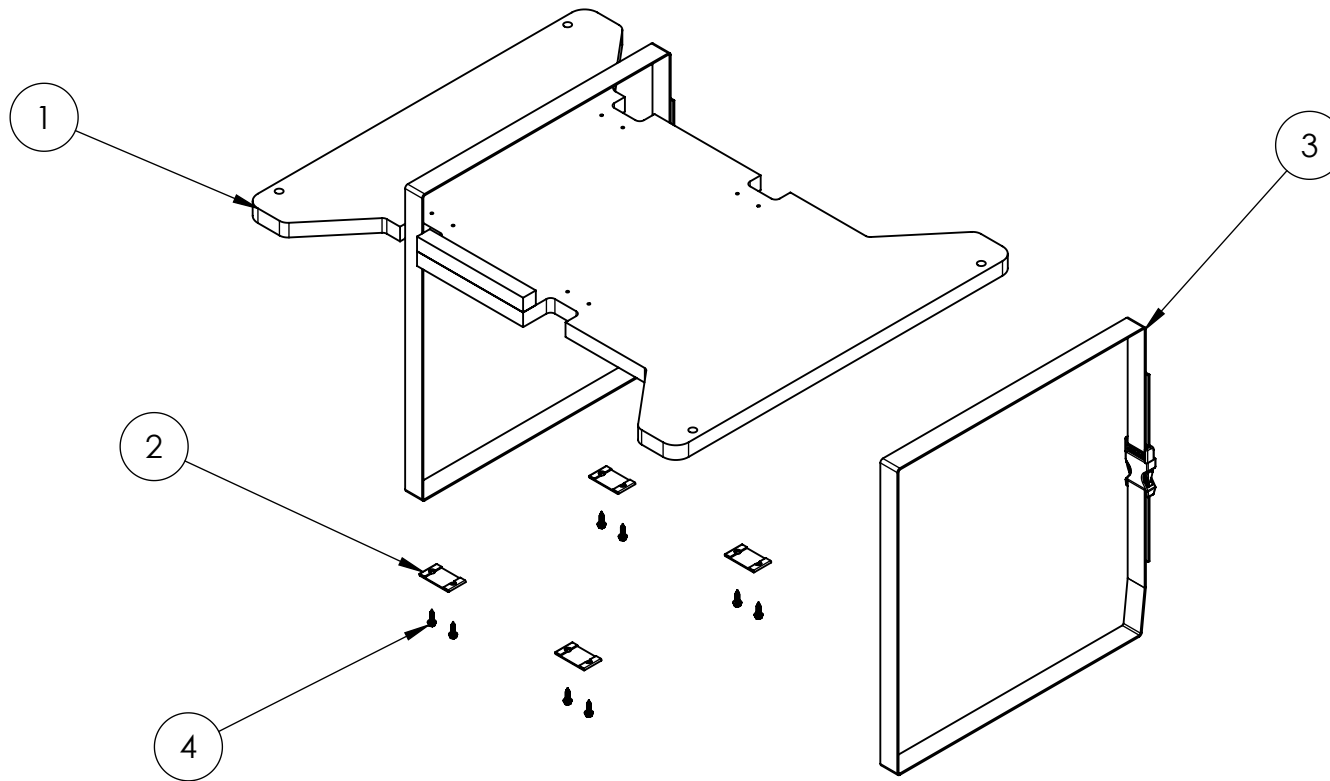
GODZILLA KAIJU WARS VR
PC Mounting Shelf Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	600-02789-01	Compressor Monitor Board Bracket	1
2	500-00253-01	Compressor Thermal Monitor PCB	1
3	McMaster-Carr - 93075A192	Low-Strength Zinc-Plated Steel Hex Head Screws, 8-32 Thread Size, 3/8" Long	4
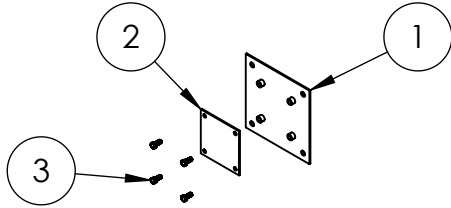
GODZILLA KAIJU WARS VR
Compressor Monitor PCB Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
4	R1-1108	Universal Compressor Fan Mount	1
5	GVR-Standard_Fan_Sub-Assy	Fan (CA-3277) and Wire Grill (800-00001-00) Assembly	1
6	McMaster-Carr - 93075A203	Low-Strength Zinc-Plated Steel Hex Head Screws, 8-32 Thread Size, 1-1/2" Long	4
7	McMaster-Carr - 90631A009	Low-Strength Steel Nylon-Insert Locknut, Zinc-Plated, 8-32 Thread Size	4
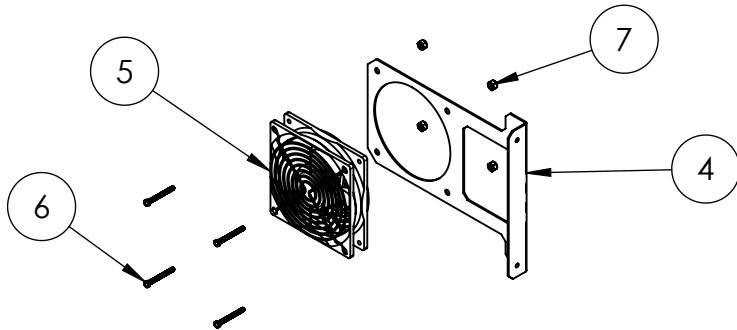
GODZILLA KAIJU WARS VR
Compressor Fan Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
8	R90-AP-6	CKD-W3000-8N-W-F1X1: 1/4" NPT 5 micron Filter/Regulator w norm closed auto-drain, Right to Left Flow	1
9	604-00048-01	L-style Bracket for W3000-8N-W-F1	1
10	5779K391	Fitting-3/8 OD Push-to-Connect / 1/4 NPT Male- (5779K391)	1
11	5779K109	Push-to-Connect Tube Fitting for Air, Straight Adapter for 1/4" Tube OD x 1/4 NPT Male	1
12	44605K232	Plug, 1/4 Pipe Size	1
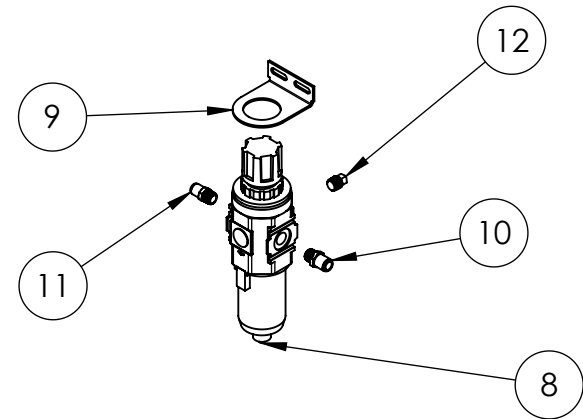
GODZILLA KAIJU WARS VR
Filter/Regulator Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-2	Compressor Mounting Panel	1
2	604-00066-01	Makita Quiet Series 1 HP, 2 Gallon, Oil Free, Electric Air Compressor, 120VAC, CSA/US Listed	1
3	600-02621-01	Compressor Bracket	2
4	McMaster-Carr - 92620A542	Zinc Yellow-Chromate Plated Hex Head Screw, Grade 8 Steel, 1/4"-20 Thread Size, 1" Long	4
5	McMaster-Carr - 91102A750	Zinc-Plated Steel Split Lock Washer for 1/4" Screw Size, 0.26" ID, 0.487" OD	4
6	GVR-Drain_Solenoid_Sub-Assy	Compressor Drain Solenoid Valve Sub-Assembly	1
7	McMaster-Carr - 90054A196	Flanged Hex Head Screws for Sheet Metal, Zinc-Plated Steel, Number 8 Size, 5/8" Long	2
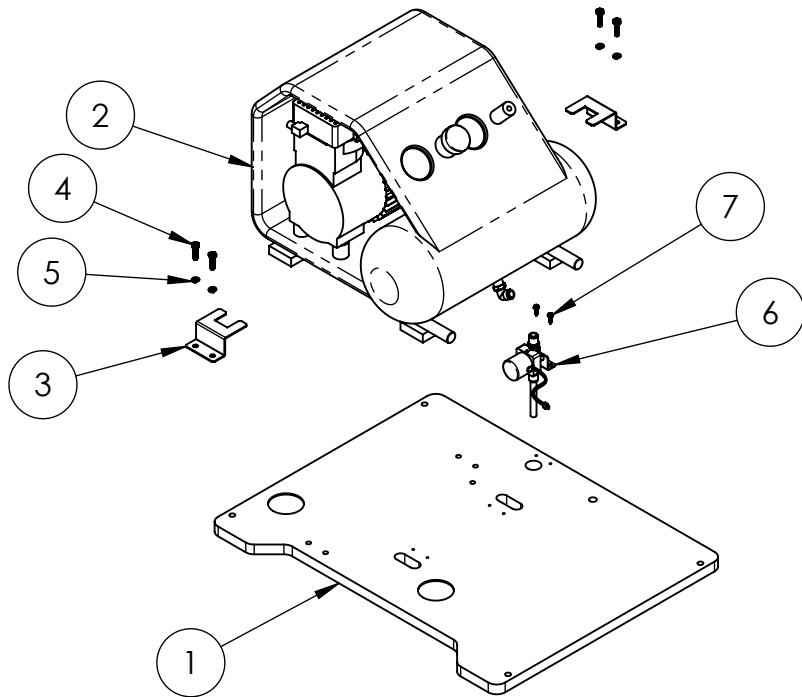
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
8	604-00073-01	CKD-AB21-02-1-DC12V: 1/4" NPT, 12VDC Direct Acting Solenoid Valve	1
9	5779K391	Fitting-3/8 OD Push-to-Connect / 1/4 NPT Male-BSPT C (52065K419)	2
10	1-2966	CKD Drain Valve Bracket	1
11	McMaster-Carr - 5648K71 (6in)	Firm Polyurethane Tubing for Air and Water, 1/4" ID, 3/8" OD	1
12	McMaster-Carr - 91420A320	Steel Phillips Flat Head Screws, M5 x 0.8 mm Thread, 10 mm Long	2

GODZILLA KAIJU WARS VR
Compressor Mounting Shelf Sub-Assembly
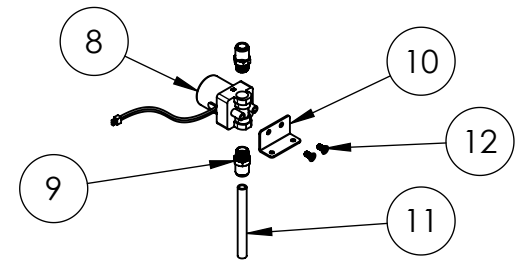
GODZILLA KAIJU WARS VR
Compressor Drain Solenoid Valve Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-2	Compressor Mounting Panel	1
2	Compressor_Strap_Assy	Buckle Clasp (17-313-1 & 17-313-2) and Nylon Strap (17-312: 72")	1
3	600-00891-01	Securing Nylon Strap Plate	2
4	McMaster-Carr - 90054A196	Flanged Hex Head Screws for Sheet Metal, Zinc-Plated Steel, Number 8 Size, 5/8" Long	6
5	GVR-Drain_Solenoid_Sub-Assy	Compressor Drain Solenoid Valve Sub-Assembly	1
6	604-00077-01	Bambi EWS24 230V Compressor, 750W, 1 HP	1
7	McMaster-Carr - 92620A542	Zinc Yellow-Chromate Plated Hex Head Screw, Grade 8 Steel, 1/4"-20 Thread Size, 1" Long	1
8	McMaster-Carr - 91102A750	Zinc-Plated Steel Split Lock Washer for 1/4" Screw Size, 0.26" ID, 0.487" OD	1
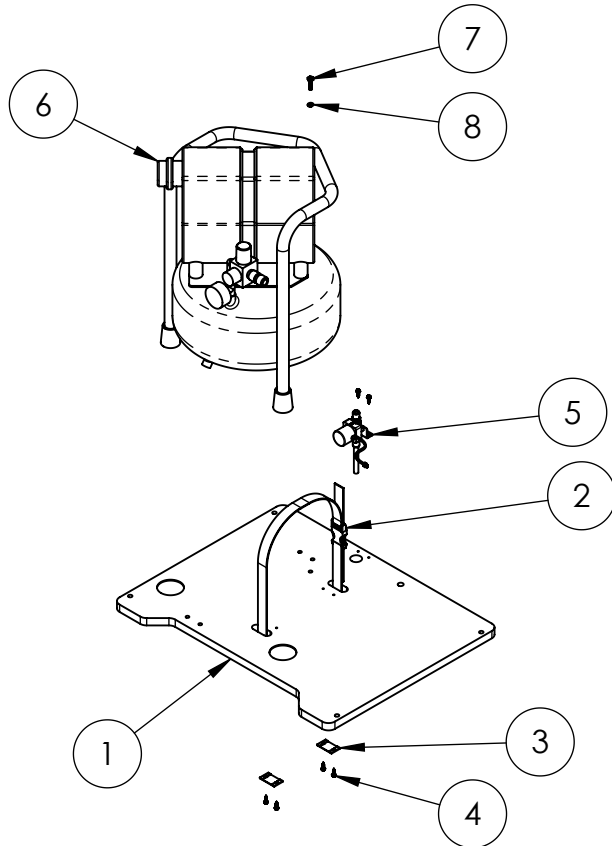
GODZILLA KAIJU WARS VR
230V Compressor Mounting Shelf Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	GVR-RIO2_Sub-Assy	RIO2 Assembly w/ Mounting Plate	1
2	810-00053-01	Test/Service Button Sub-Assembly	1
3	R90-23-3	Front Access Door	1
4	600-00043-01	Lock Retainer Plate	1
5	McMaster-Carr - 90054A196	Flanged Hex Head Screws for Sheet Metal, Zinc-Plated Steel, Number 8 Size, 5/8" Long	10
6	150-00001-00	Standard Door Lock Assembly (for 3/4" Panels)	1
7	600-02496-01	Main Cab Door Hinge	1
8	Partec - 31-CB010-03-002	Black Oxide Steel Square-Neck Carriage Bolt, Low-Strength, 10-24 Thread Size, 1-1/4" Long	3
9	McMaster-Carr - 90675A011	Steel Locknut with External-Tooth Lock Washer, Zinc-Plated, 10-24 Thread Size	3
10	R90-13-145	Front Access Door Decal	1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
3	R90-23-3	Front Access Door	1
4	600-00043-01	Lock Retainer Plate	1
5	McMaster-Carr - 90054A196	Flanged Hex Head Screws for Sheet Metal, Zinc-Plated Steel, Number 8 Size, 5/8" Long	3
6	150-00001-00	Standard Door Lock Assembly (for 3/4" Panels)	1
7	600-02496-01	Main Cab Door Hinge	1
8	Partec - 31-CB010-03-002	Black Oxide Steel Square-Neck Carriage Bolt, Low-Strength, 10-24 Thread Size, 1-1/4" Long	3
9	McMaster-Carr - 90675A011	Steel Locknut with External-Tooth Lock Washer, Zinc-Plated, 10-24 Thread Size	3
10	R90-13-145	Front Access Door Decal	1

GODZILLA KAIJU WARS VR
Right Front Access Door Sub-Assembly (PC)
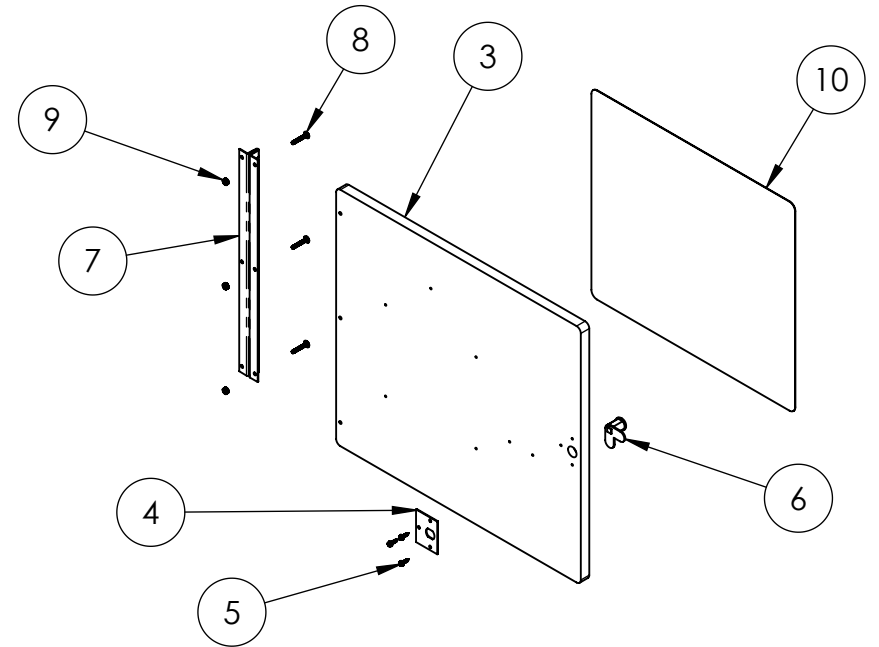
GODZILLA KAIJU WARS VR
Left Front Access Door Sub-Assembly (Compressor)

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	600-02604-01	RIO2 w/ 8 Channel Sound Mounting Plate	1
2	500-00199-05	RIO2 PCB	1
3	380-00010-01	8x50W USB-IN Audio Amplifier	1
4	McMaster-Carr - 93075A192	Low-Strength Zinc-Plated Steel Hex Head Screws, 8-32 Thread Size, 3/8" Long	8
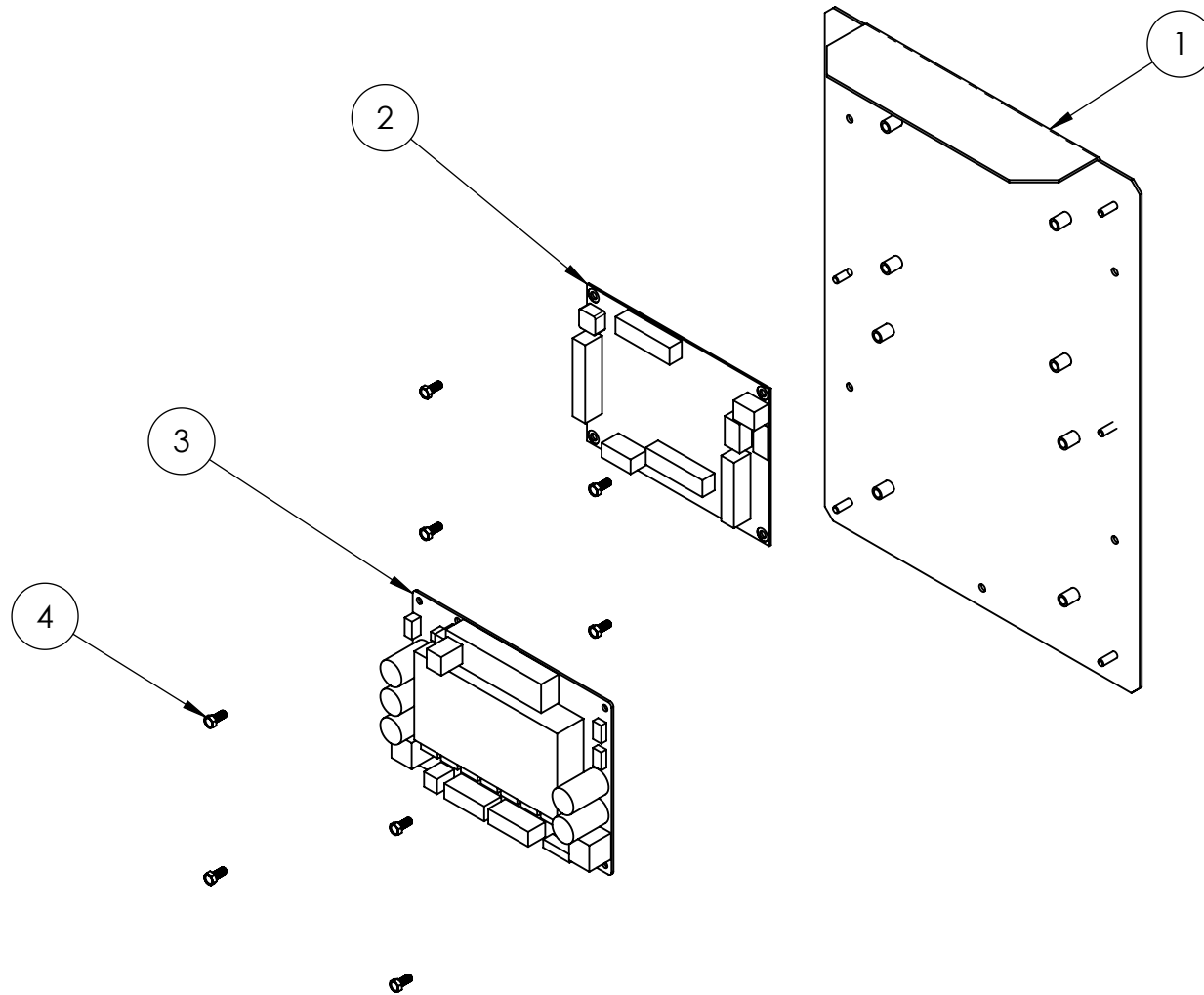
GODZILLA KAIJU WARS VR
RIO2 Assembly w/ Mounting Plate

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	809-00016-01 (QB65C)	Samsung QB65C Display	1
2	603-01082-01	Samsung QB65 LCD Spacer	8
3	R1-1107	Universal 65" Monitor Hanger Bracket	1
4	McMaster-Carr - 91280A546	Medium-Strength Class 8.8 Steel Hex Head Screw, Zinc-Plated, M8 x 1.25 mm Thread, 50 mm Long	4
5	McMaster-Carr - 91102A755	Zinc-Plated Steel Split Lock Washer for 5/16" Screw Size, 0.322" ID, 0.583" OD	4
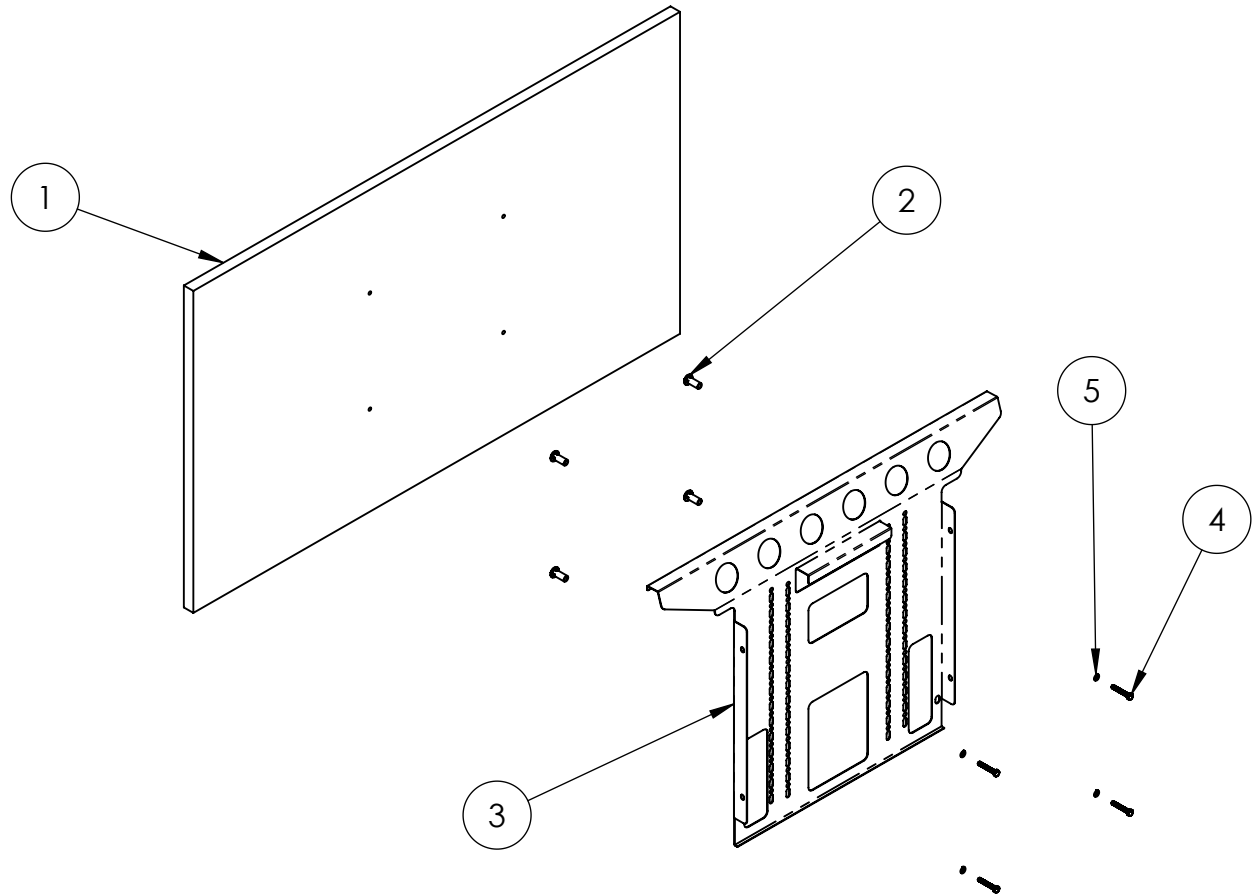
GODZILLA KAIJU WARS VR
Upper Monitor Hanger Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R1-1013	Platform Downlighting Bracket	1
2	R4-1001	Downlighting PETG Lens	1
3	McMaster-Carr - 94639A342	Off-White Nylon Unthreaded Spacer, 5/16" OD, 1/4" Long, for Number 8 Screw Size	3
4	500-00184-01 (40 CM)	RGB Flexible LED Tape, w/ FOAM	1
5	R1-1078	Downlighting LED Plate	1
6	McMaster-Carr - 90675A009	Steel Locknut with External-Tooth Lock Washer, Zinc-Plated, 8-32 Thread Size, 11/32" Wide	3
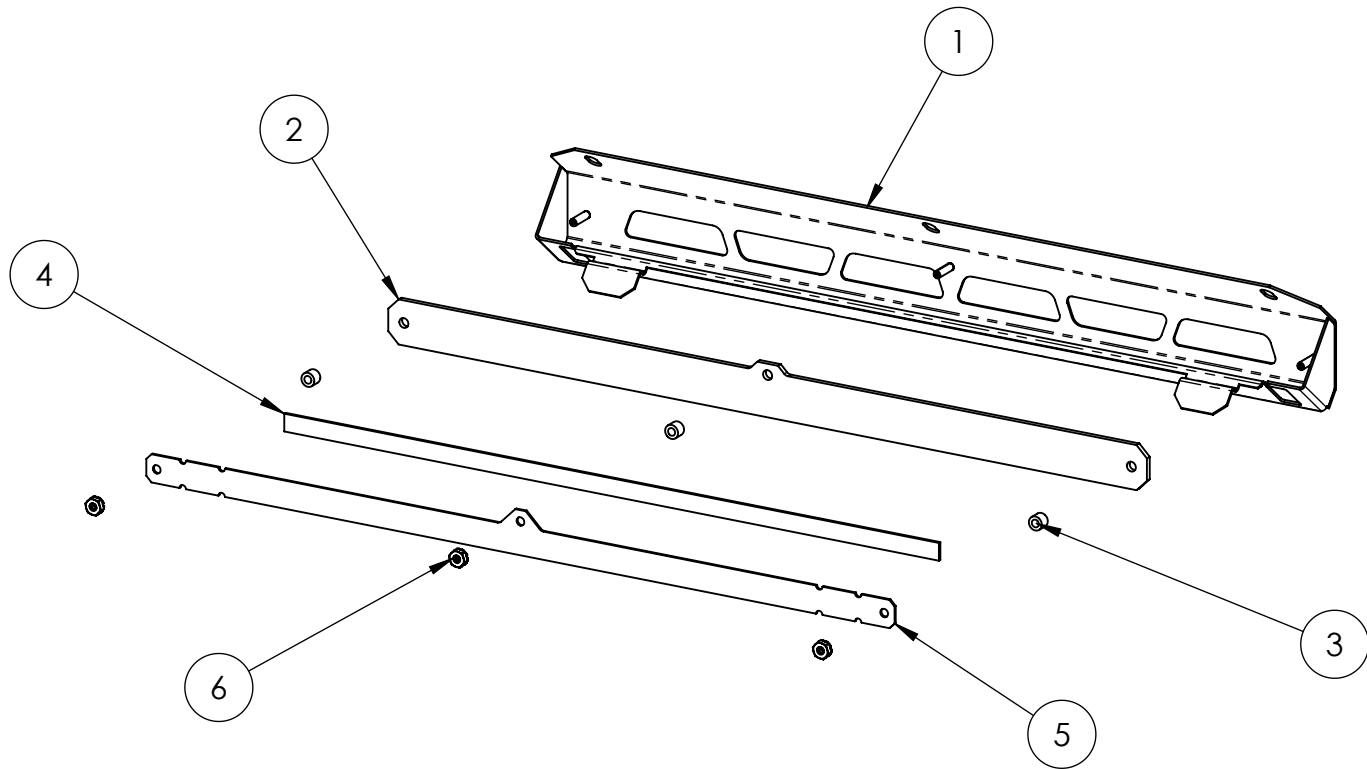
GODZILLA KAIJU WARS VR
Platform Downlighting Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-6	Upper Back Door	1
2	R90-13-22	Monitor Cabinet Upper Back Door Decal	1
3	800-00001-00	120mm Wire Fan Guard	2
4	Partec - 31-MS008-01-009	Zinc Plated Steel Pan Head Phillips Screw, 8-32 Thread, 1-1/8" Long	8
5	McMaster-Carr - 90126A512	Zinc-Plated Steel SAE Washer for Number 8 Screw Size, 0.188" ID, 0.438" OD	8
6	McMaster-Carr - 90631A009	Low-Strength Steel Nylon-Insert Locknut, Zinc-Plated, 8-32 Thread Size	8
7	600-00043-01	Lock Retainer Plate	1
8	McMaster-Carr - 90054A196	Flanged Hex Head Screws for Sheet Metal, Zinc-Plated Steel, Number 8 Size, 5/8" Long	3
9	150-00001-00	Standard Door Lock Assembly (for 3/4" Panels)	1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
7	600-00043-01	Lock Retainer Plate	1
8	McMaster-Carr - 90054A196	Flanged Hex Head Screws for Sheet Metal, Zinc-Plated Steel, Number 8 Size, 5/8" Long	3
9	150-00001-00	Standard Door Lock Assembly (for 3/4" Panels)	1
10	R90-23-5	Lower Back Door	1
11	R90-13-21	Monitor Cabinet Lower Back Door Decal	1
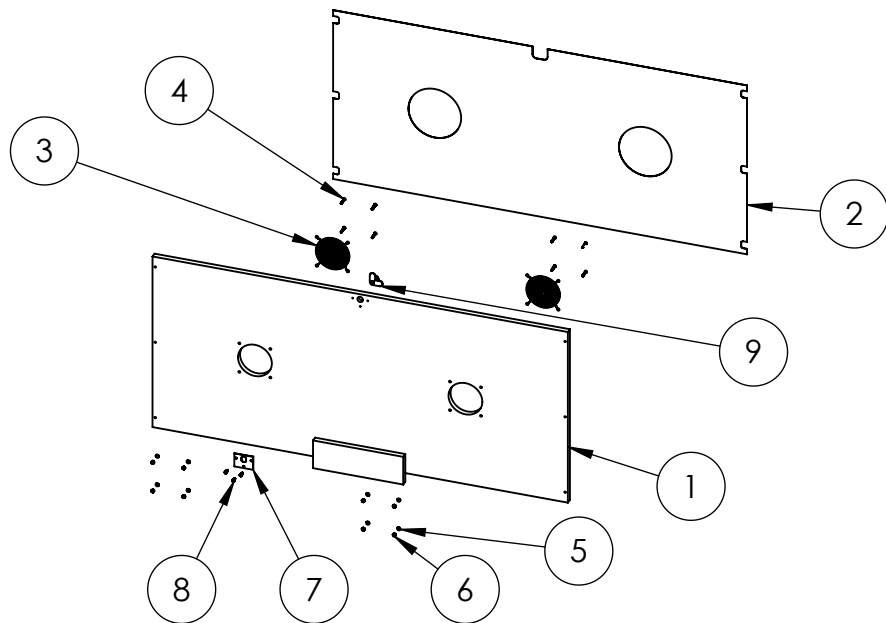
GODZILLA KAIJU WARS VR
Upper Back Door Sub-Assembly
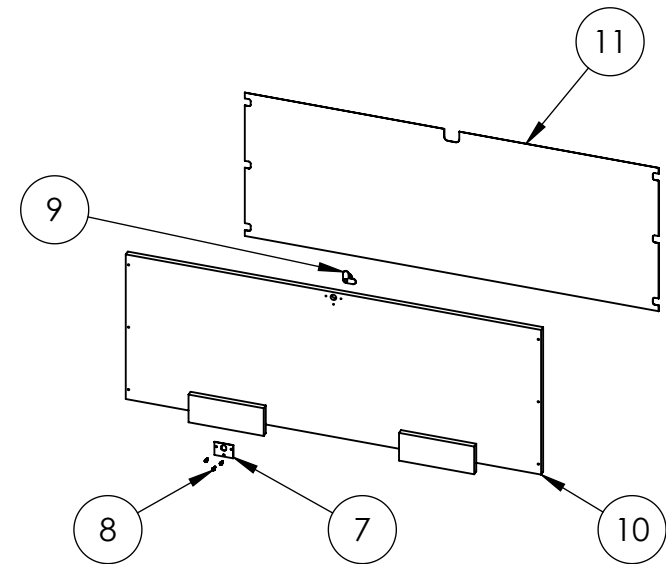
GODZILLA KAIJU WARS VR
Lower Back Door Sub-Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	R90-23-12	Spacer Cabinet	1
2	R90-13-26	Spacer Cap Floor Caution Decal	1
3	R90-13-25	Spacer Cap Side Caution Decal	2
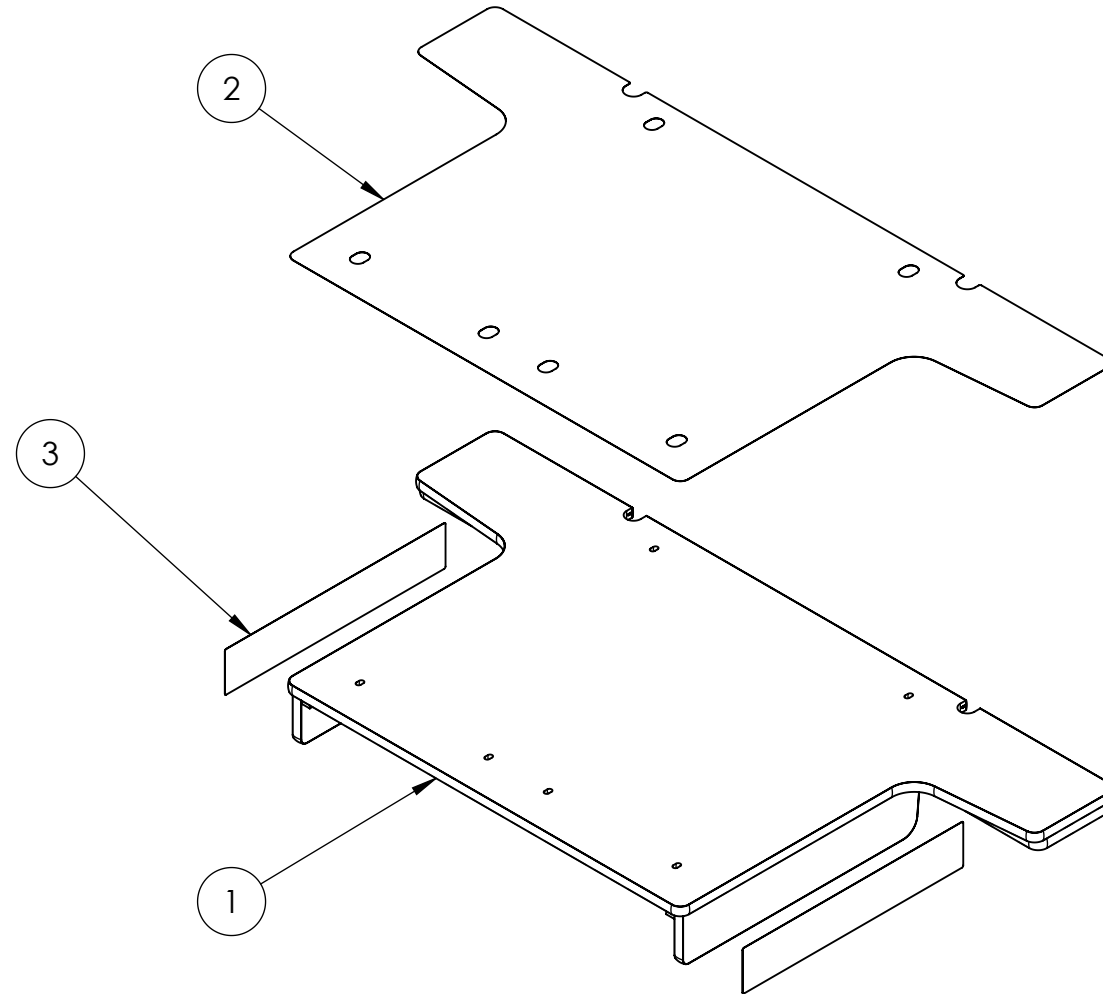
GODZILLA KAIJU WARS VR
Spacer Cap Sub-Assembly
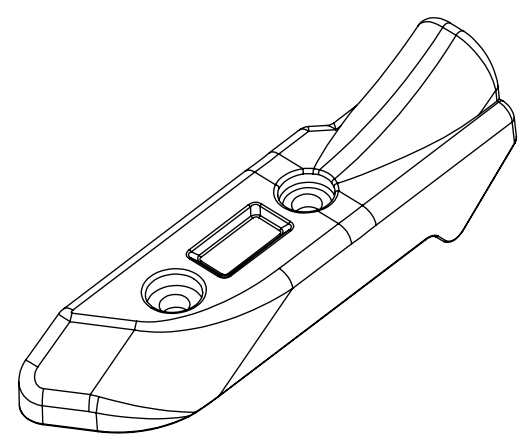
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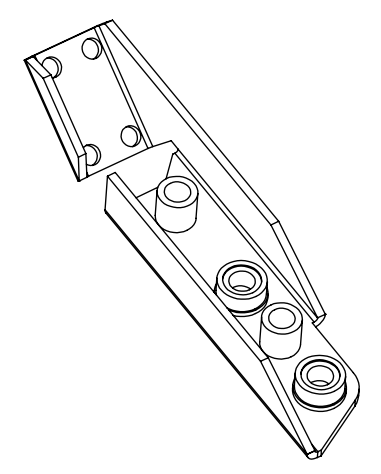
CABLE BRACKET
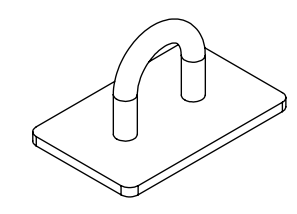
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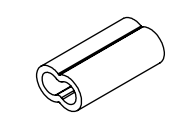
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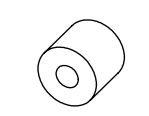
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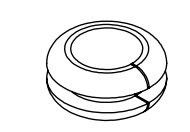
GROMMET (4)

SPRING

6-32 LOCK NUT (2)
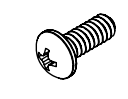
6-32 x 3/8 PHILLIPS SCREW (2)
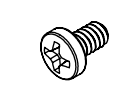
6-32 x 1/4 PHILLIPS SCREW - BLACK (4)
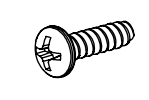
#6 PHILLIPS THREAD FORMING SCREW 1/2" LONG (6)
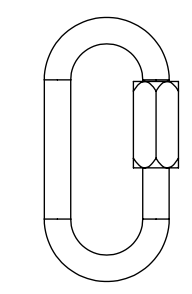
QUICK LINK
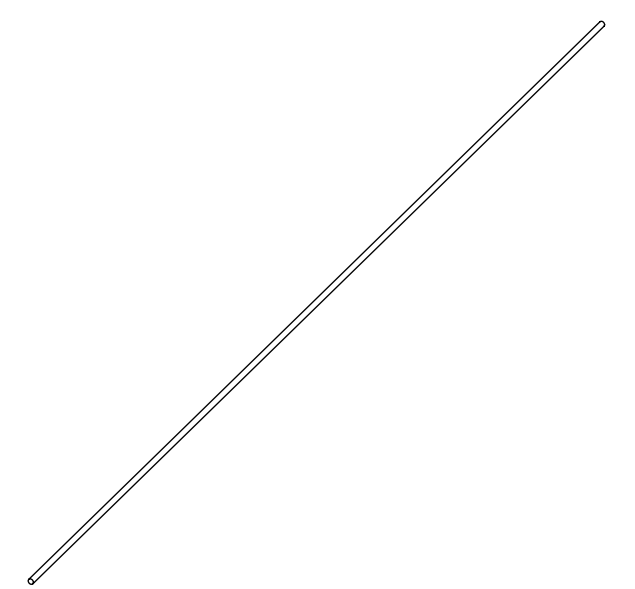
1/8" BLACK VINYL COATED CABLE (25.5" LONG)
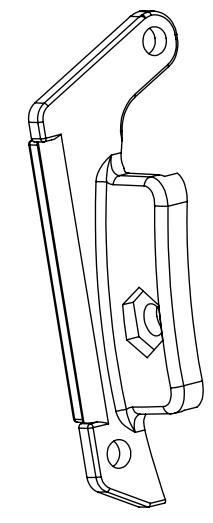
LEFT STRAP CLIP
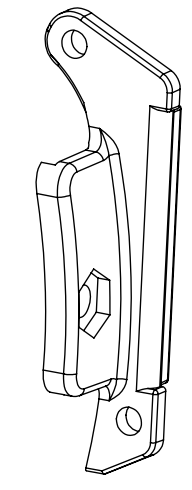
RIGHT STRAP CLIP
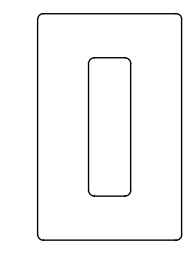
SECURITY BRACKET ADHESIVE
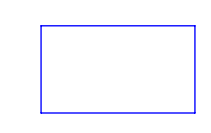
CRIMP HEAT SHRINK TUBING 1/2" x 1" LONG(3)
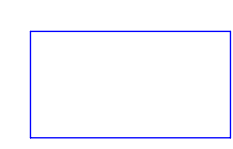
SLEEVING HEAT SHRINK TUBING 3/4" x 1 3/8" LONG (2)
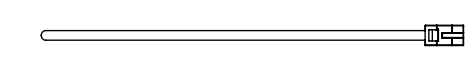
HEADSTRAP

4" BLACK LOW PROFILE ZIP TIE
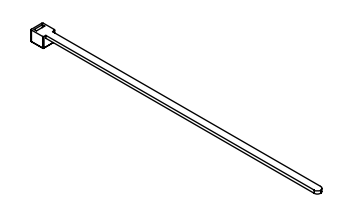
4" BLACK STANDARD ZIP TIE (10)
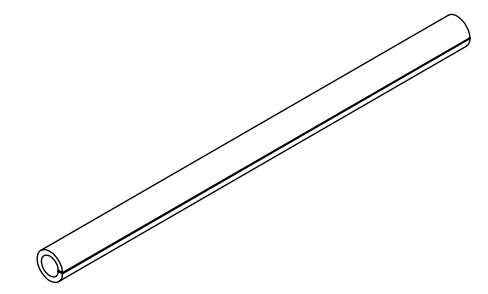
6" SPLIT TUBING (2)
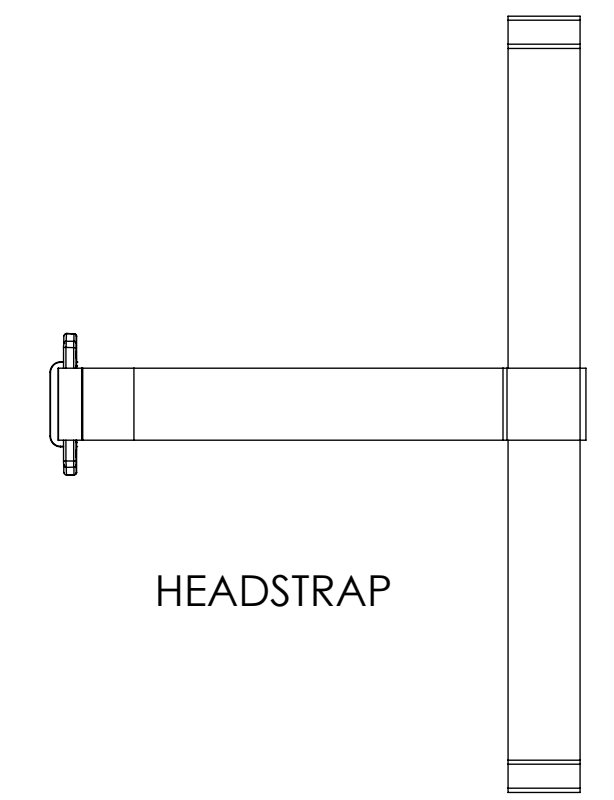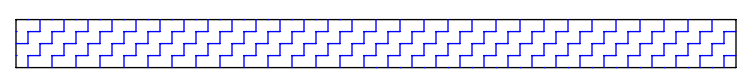
EXPANDABLE SLEEVING (8.5")
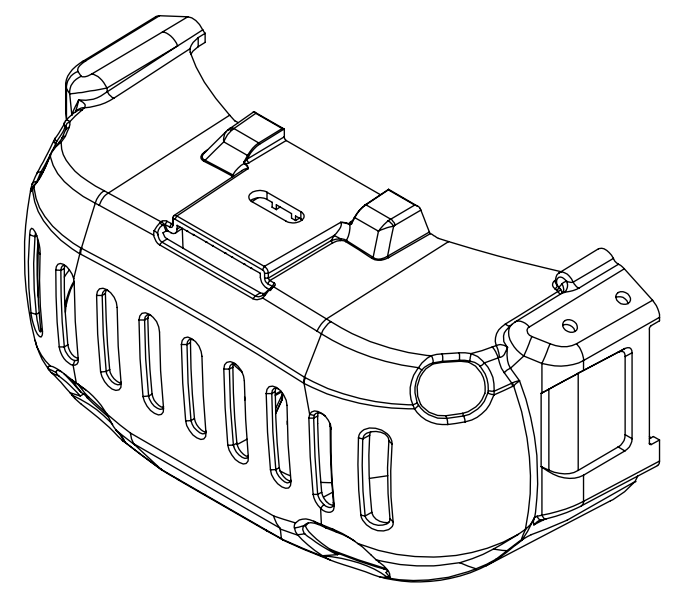
MAIN HOUSING
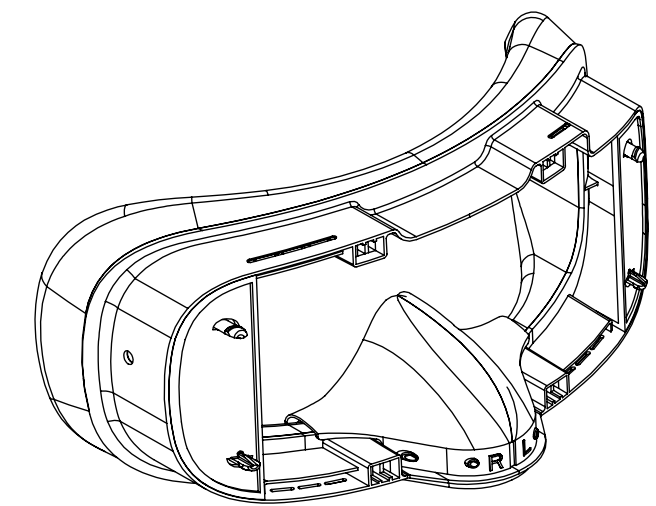
FACEMASK
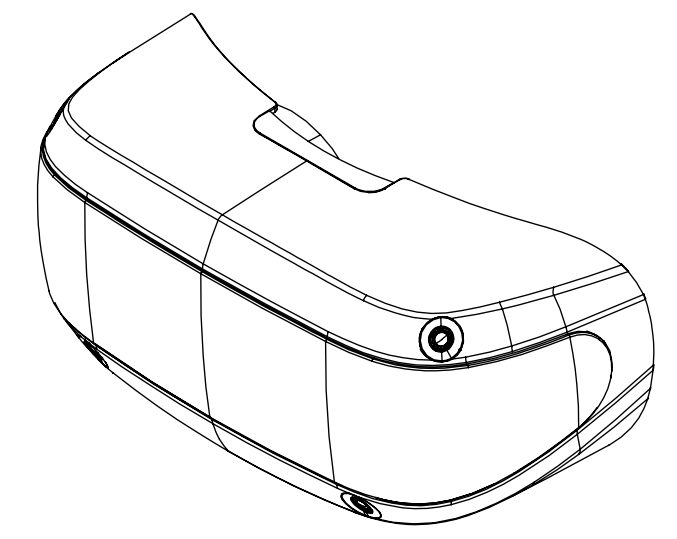
DPVR HEADSET
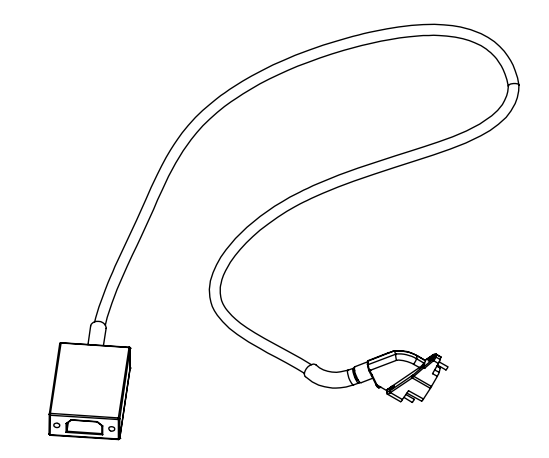
HEADSET CABLE

PARTS

RAW THRILLS INC.

TITLE: DPVR HEADSET ASSEMBLY

TOL: .X ±.030	MATERIAL:	SEE NOTES
.XX ±.015		
.XXX ±.005	FINISH:	SEE NOTES
HOLES: +.002/-.000		
ANGLES: ±0.5°	PART NO.	AS-4025
SHEET 1 of 3		REV C

APPLY BLUE LOCTITE
(242) TO THE THREADS

REV.	DESCRIPTION	DATE
A	RELEASED	2/2/24
B	ADDED LOCTITE NOTE	2/9/24
C	ADDED PARTEC PART NUMBERS	2/13/24

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	R90-AP-4	DPVR HEADSET
2	1	A577	FACEMASK
3	1	R90-8-2	HEADSET CABLE
4	1	A576-1	HEADSTRAP
5	1	R90-4-7	MAIN HOUSING
6	1	R90-4-10	RIGHT STRAP CLIP
7	1	R90-4-9	LEFT STRAP CLIP
8	1	R1-1066	CABLE BRACKET
9	1	R7-1005	SECURITY BRACKET ADHESIVE
10	1	AP-743-2	SECURITY BRACKET
11	1	R90-4-11	CABLE COVER
12	4	92224A131	SCREW - 6-32 X 1/4" PHILLIPS BLK
13	6	90417A126	SCREW - #6 THREAD FORMING 1/2" BLK
14	2	92224A133	SCREW - 6-32 X 3/8" PHILLIPS BLK
15	2	90633A007	NUT - 6-32 NYLOK
16	1	4-1114-2	SPLIT TUBING - 6"
17	1	4-114-2	4" ZIP TIE - BLK
18	1	4-114-12	4" LOW PROFILE ZIP TIE - BLK
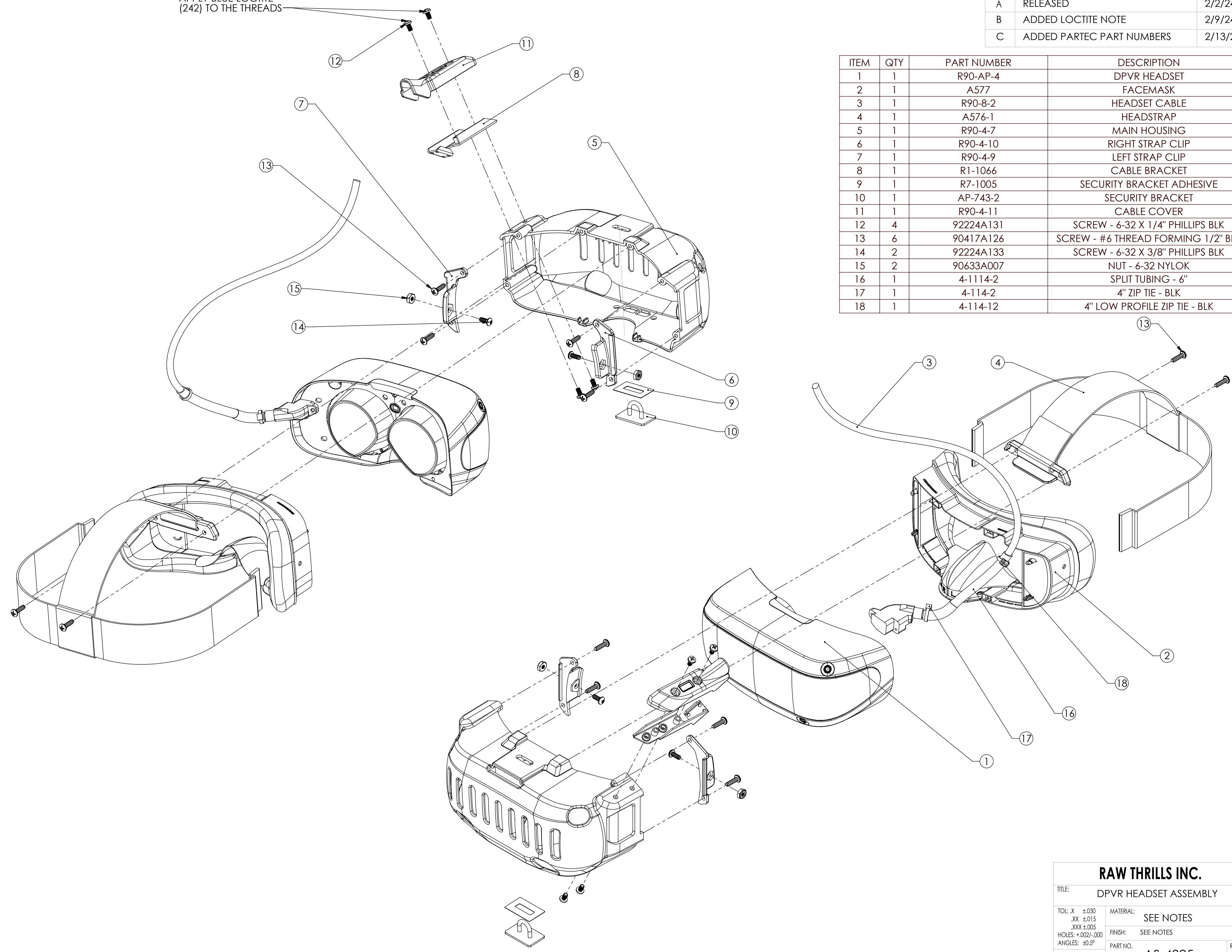
RAW THRILLS INC.

TITLE: DPVR HEADSET ASSEMBLY

TOL: .X ±.030
.XX ±.015
.XXX ±.005
HOLES: +.002/-.000
ANGLES: ±0.5°

MATERIAL: SEE NOTES

FINISH: SEE NOTES

PART NO. AS-4025

REV C

SHEET 2 of 3

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	AP-788	QUICK LINK
2	1	600-03055-01	SPRING
3	1		SECURITY CABLE - 25.5" LONG
4	4	7-268	GROMMET
5	10		4" ZIP TIE
6	1	42-375-CON	3/8" EXPANDABLE SLEEVE 8.5"
7	1	4-1114-2	6" SPLIT TUBING
8	1	42-500-BHSPOLY	BLACK HEAT SHRINK TUBING 1/2" X 1.5"
9	3	42-375-BHSPOLY	BLACK HEAT SHRINK TUBING 3/8" X 1"
10	1	42-750-BHSPOLY	BLACK HEAT SHRINK TUBING 3/4" X 1.5"

REV.	DESCRIPTION	DATE
A	RELEASED	2/2/24
B	REVISED NOTES AND DRAWING	2/9/24
C	CHANGED ABLE LOOP LENGTH FROM 13" TO 16"	2/13/24

CENTER OF STOP CRIMP

5.5"

CABLE LOOP LENGTH IS 16" FROM THE
END OF THE PLUG'S STRAIN RELIEF TO
THE CENTER OF STOP CRIMP
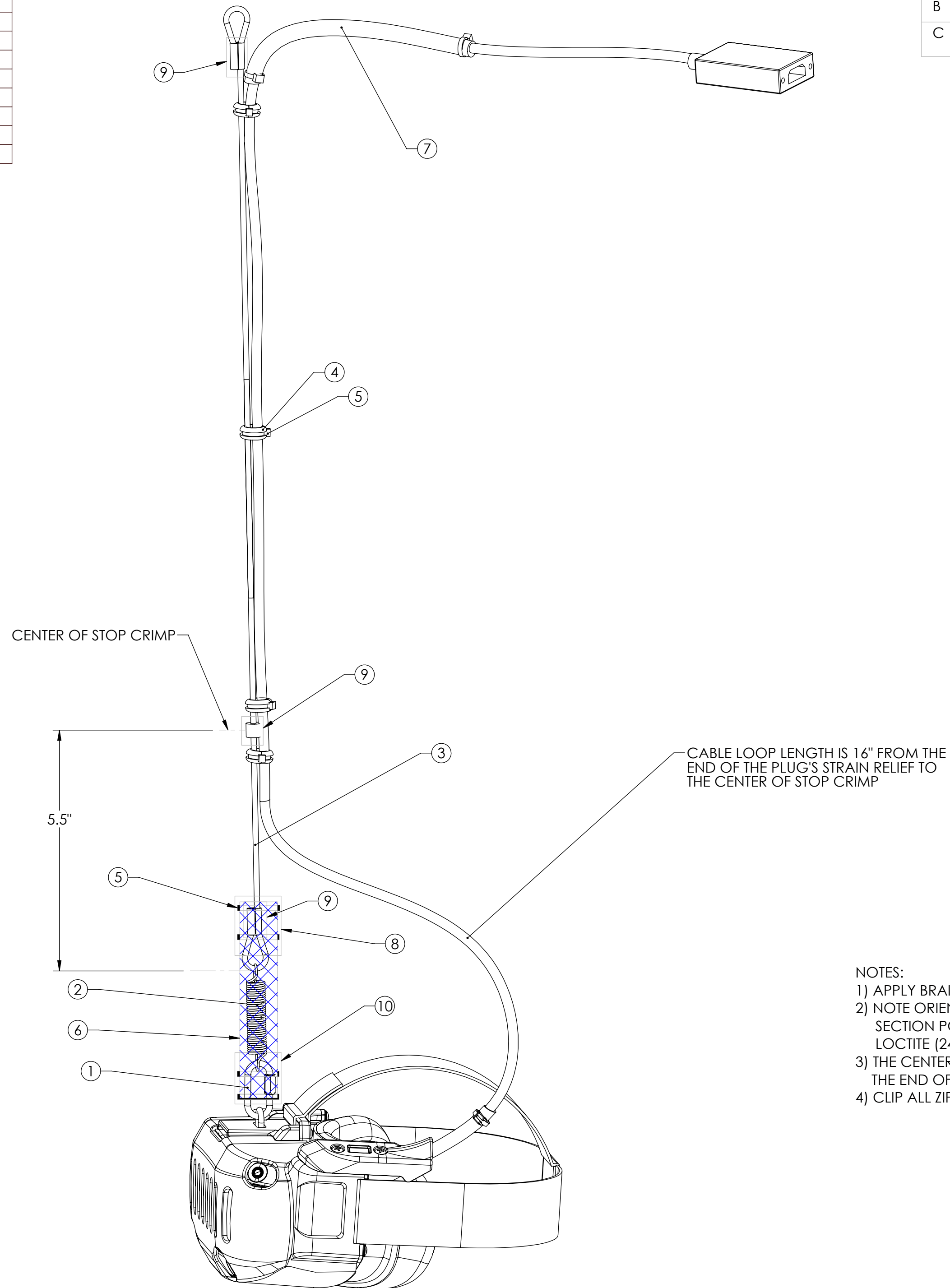
NOTES:
1) APPLY BRAIDED SLEEVES AND HEAT SHRINK AS SHOWN.
2) NOTE ORIENTATION OF THE QUICK LINK WITH THE LONGER
   SECTION POINTED TOWARD THE HEADSET. APPLY BLUE
   LOCTITE (242) TO THE THREAD BEFORE TIGHTENING.
3) THE CENTER OF THE STOP CRIMP IS LOCATED 5.5" FROM
   THE END OF THE LOOP ON THE SECURITY CABLE.
4) CLIP ALL ZIP TIES FLUSH SO THEY ARE NOT SHARP.

RAW THRILLS INC.

TITLE:
DPVR HEADSET ASSEMBLY

TOL: .X ±.030
.XX ±.015
.XXX ±.005
HOLES: +.002/-.000
ANGLES: ±0.5°

MATERIAL:
SEE NOTES

FINISH:
SEE NOTES

PART NO.
AS-4025

REV.
C

SHEET 3 of 3

REV.	DESCRIPTION	DATE
A	RELEASED	1/10/24
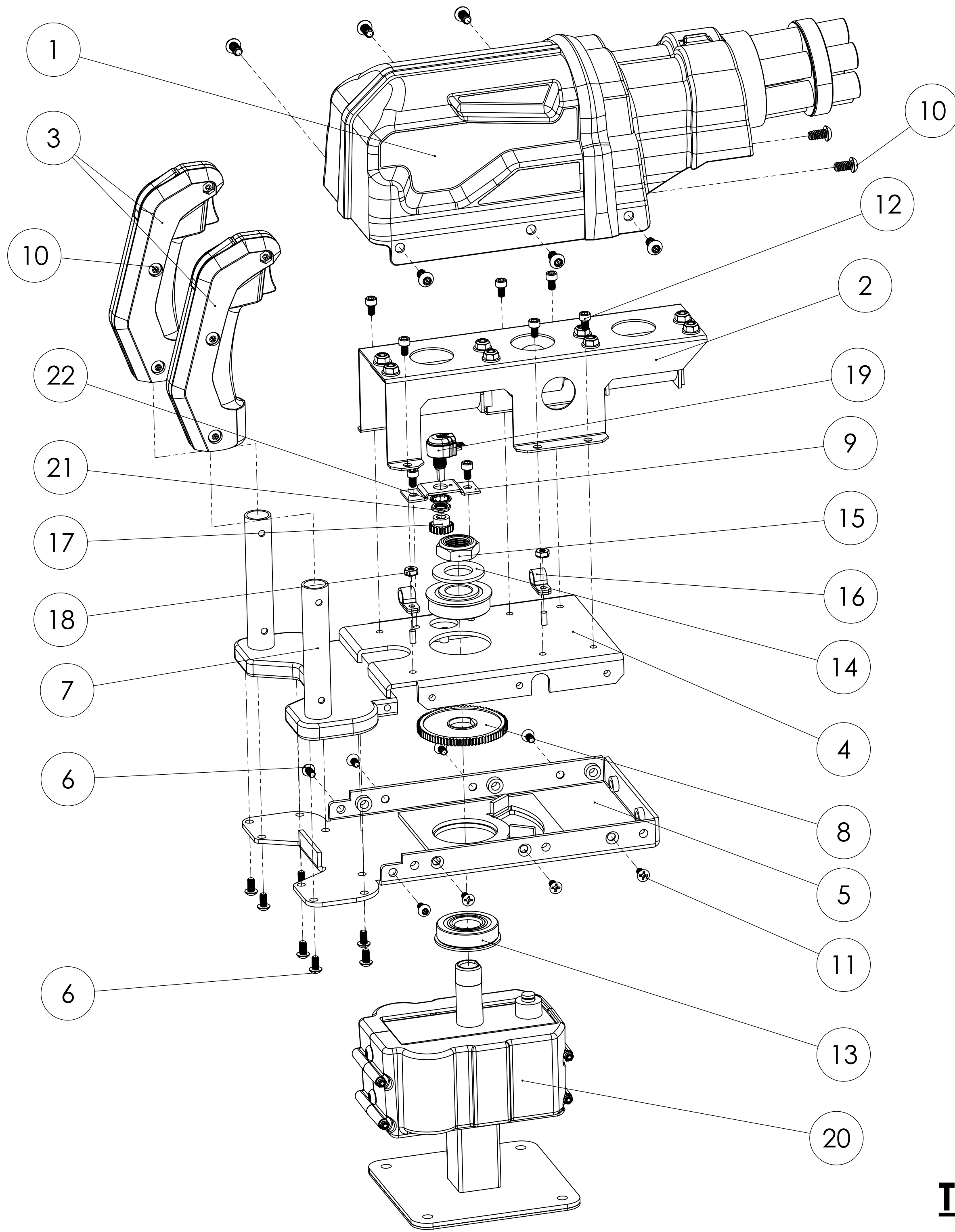
ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY.
1		GUN COVER & TIP ASSEMBLY	1
2		SHAKER ASSEMBLY	1
3		GRIP ASSEMBLY	2
4	600-01422-01	PIN PLATE	1
5	600-01423-01	COVER BRACKET	1
6	MMC 96075A183	10-32 x 3/8" BLK TP SCREW	10
7	600-01411-01	GRIP PLATE WELDMENT	1
8	600-01420-01	LARGE GEAR	1
9	600-01491-01	POT BRACKET	1
10	MMC 96075A211	1/4-20 X 1/2" BLK TP SCREW	20
11	MMC 90273A827	10-32 X 3/8" FLAT HEAD SCREW	6
12	MMC 91251A337	10-32 X 5/16" CAP SCREW	8
13	MMC 6384K369	3/4" FLANGED BEARING	2
14	MMC 90126A036	3/4" WASHER	1
15	MMC 91342A240	3/4" LOCKNUT	1
16		CABLE CLAMP	2
17	600-01567-01	SMALL POT GEAR	1
18	MMC 90675A009	8-32 LOCKNUT	2
19	604-00064-01	360° JACKPOT	1
20		LOWER MECH ASSEMBLY	1
21	MMC 91862A521	3/8"-32 NUT	1
22	MMC 91113A031	3/8" INTOOTH WASHER	1

NOTES:
1) ALL SCREWS SHOULD BE INSTALLED WITH BLUE LOCTITE 242 or 243.
2) THE 3/4" LOCKNUT (15) IS TIGHTENED UNTIL THE TOP IS FLUSH WITH THE TOP OF THE TUBE IN THE LOWER MECH ASSEMBLY (20).

TOP ASSEMBLY

RAW THRILLS INC.

TITLE: GVR GUN MAIN ASSEMBLY

TOL: .X ±.030
.XX ±.015
.XXX ±.005
HOLES: +.002/-.000
ANGLES: ±0.5°

MATERIAL:

FINISH: SEE NOTES

PART NO.

REV A

SHEET 1 of 3
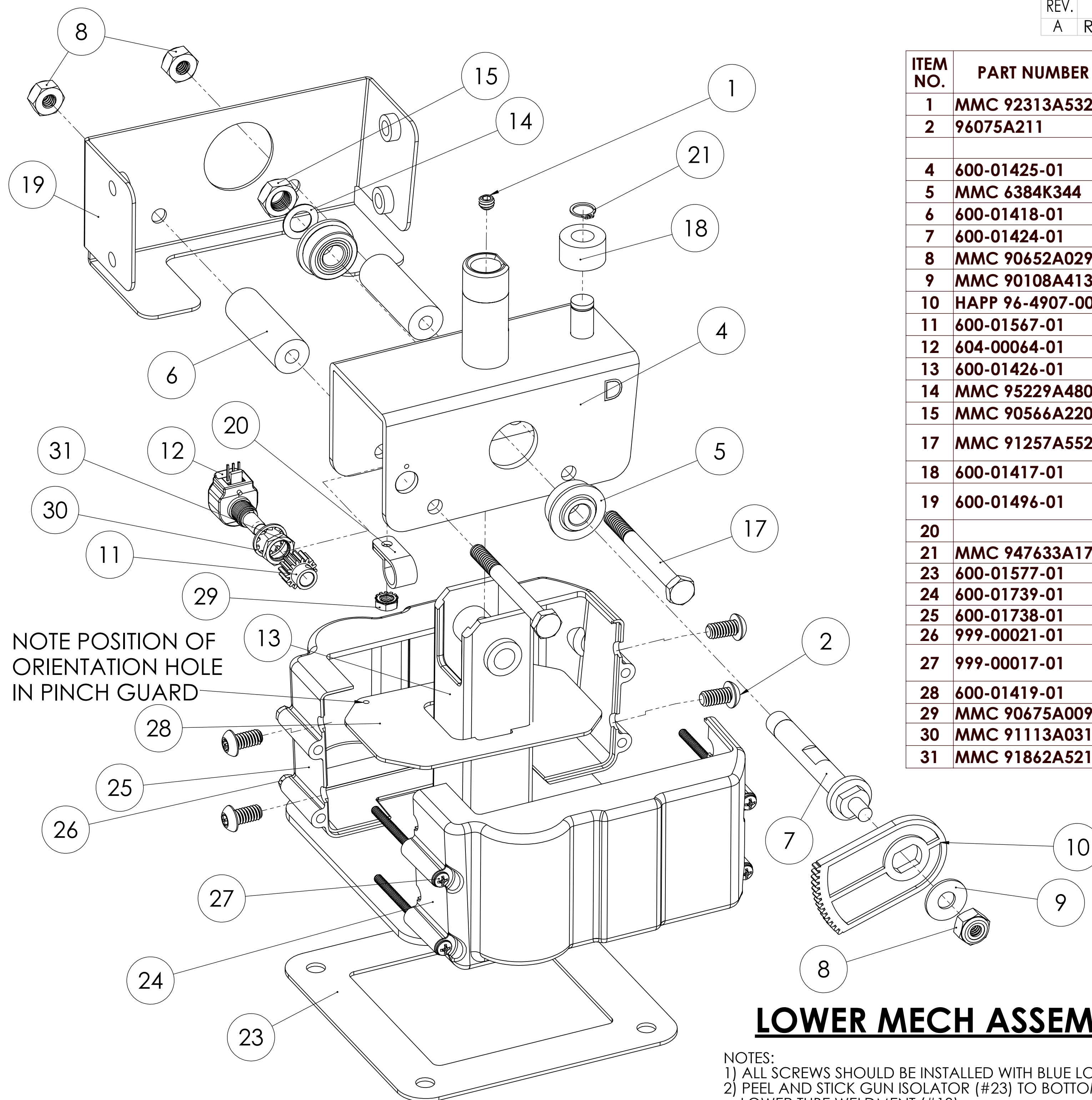
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MMC 92313A532	1/4-20 x 3/16" SET SCREW	1
2	96075A211	1/4-20 x 1/2" BLACK TP SCREW	4
4	600-01425-01	ROCKER BRACKET	1
5	MMC 6384K344	3/8" FLANGED BEARING	2
6	600-01418-01	TUBE STOP BUMPER - 5/8" OD	2
7	600-01424-01	SIDE PIN	1
8	MMC 90652A029	1/4-20 THIN LOCKNUT	3
9	MMC 90108A413	1/4-20 WASHER	1
10	HAPP 96-4907-00	SEGMENT GEAR	1
11	600-01567-01	POT GEAR	1
12	604-00064-01	360° JACKPOT	1
13	600-01426-01	LOWER TUBE WELDMENT	1
14	MMC 95229A480	3/8" WASHER	1
15	MMC 90566A220	3/8" THIN LOCKNUT	1
17	MMC 91257A552	1/4-20 x 2 1/2 HEX HEAD - GRADE 8	2
18	600-01417-01	SHORT STOP BUMPER - 3/4" OD	1
19	600-01496-01	LOWER VACFORM MOUNTING BRACKET	1
20		CABLE CLAMP	1
21	MMC 947633A170	RETAINING CLIP	1
23	600-01577-01	GUN ISOLATOR	1
24	600-01739-01	BOTTOM COVER - RIGHT	1
25	600-01738-01	BOTTOM COVER - LEFT	1
26	999-00021-01	6-32 HEX LOCKNUT - BLACK	4
27	999-00017-01	6-32 X 2.5" PHILLIPS HEAD SCREW - BLACK	4
28	600-01419-01	PINCH COVER	1
29	MMC 90675A009	8-32 KEPS NUT	1
30	MMC 91113A031	3/8" INTOOTH WASHER	1
31	MMC 91862A521	3/8"-32 NUT	1

NOTE POSITION OF ORIENTATION HOLE IN PINCH GUARD

LOWER MECH ASSEMBLY

RAW THRILLS INC.

TITLE: GVR GUN MAIN ASSEMBLY

TOL: .X ±.030
.XX ±.015
.XXX ±.005
HOLES: +.002/-.000
ANGLES: ±0.5°

MATERIAL:

FINISH: SEE NOTES

PART NO.

REV A

SHEET 2 of 3

NOTES:
1) ALL SCREWS SHOULD BE INSTALLED WITH BLUE LOCTITE 242 or 243.
2) PEEL AND STICK GUN ISOLATOR (#23) TO BOTTOM OF LOWER TUBE WELDMENT (#13)

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	600-01576-01	COIL MOUNT BRACKET	4
2	600-01412-01	COIL BRACKET	1
3	Pin Coil		2
4	600-01413-01	COIL ROD	1
5	600-01414-01	COIL WEIGHT	1
6	MMC 91375A535	1/4-20 x 3/8" SET SCREW	1
7	680-00214-01	BLUE DAMPER PAD	2
8	608-00210-01	COIL SPRING	2
9	Happ Sleeve #95-0637-00	COIL SLEEVE	2
10	MMC 93298A109	10-32 FLANGED LOCKNUT	8

PEEL AND STICK DAMPER PAD WITH CENTER HOLE CONCENTRIC TO COIL BRACKET
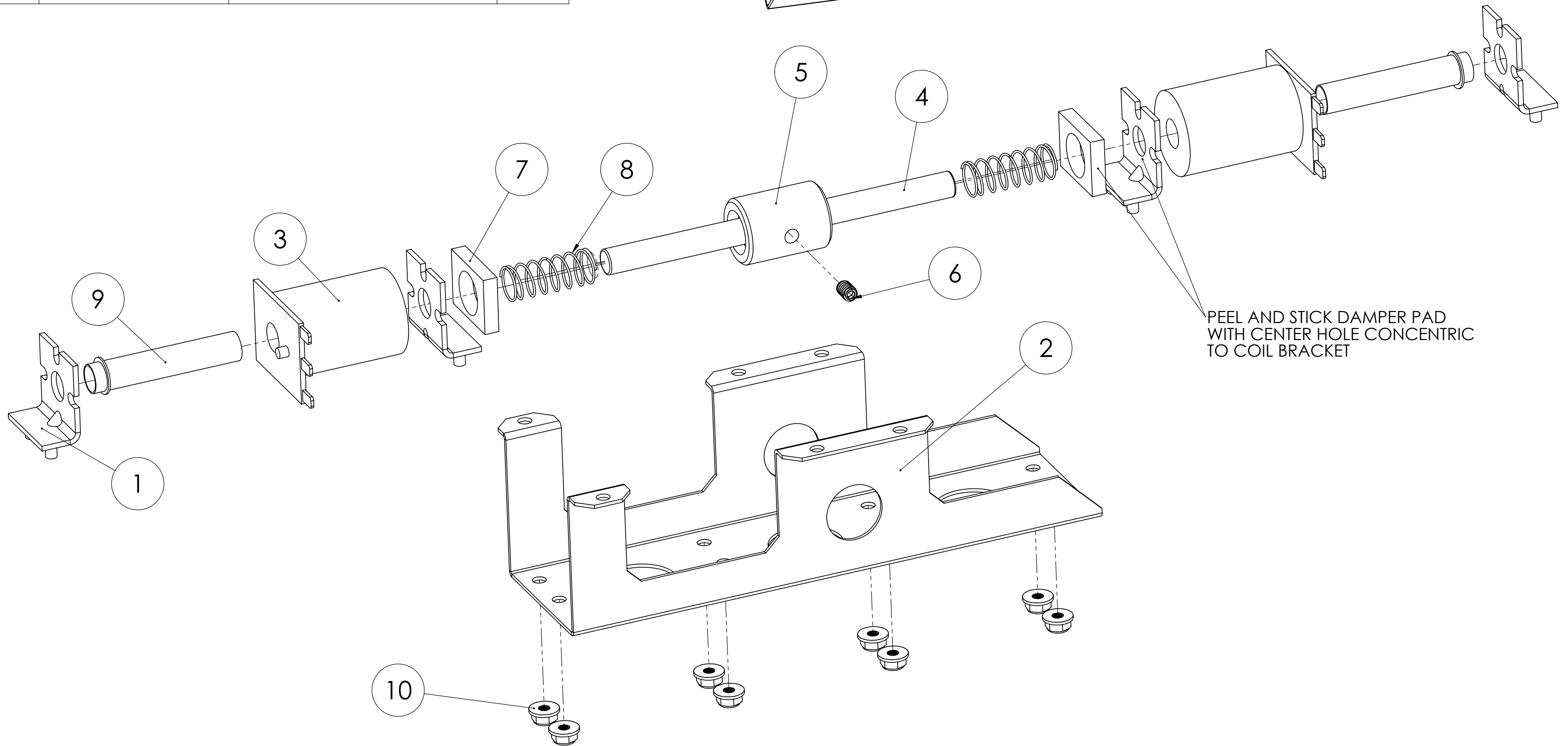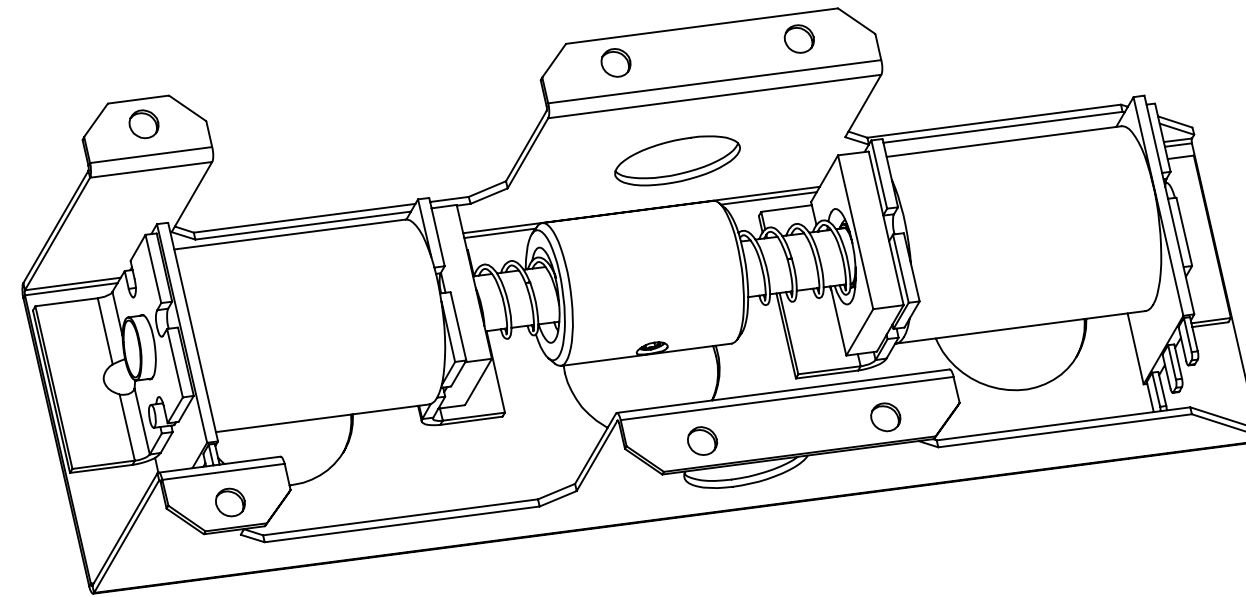
SHAKER ASSEMBLY

NOTES:
1) SET SCREW AND LOCKNUTS SHOULD BE INSTALLED WITH RED LOCTITE 262.

ITEM NO.	RAW PART NUMBER	HAPP NUMBER	DESCRIPTION	QTY.
1	608-00201-01	95-1294-00	GRIP, LEFT HALF	1
2	608-00204-01	95-1295-00	TRIGGER, RED	1
3	608-00203-01	95-1439-00	LARGE THUMB BUTTON	1
4	608-00205-01	95-1315-00	SHAFT, TRIGGER	1
5	608-00215-01	95-0259-ST	SWITCH ASSY FOR THUMB SWITCH	1
6	608-00220-01	95-0028-00	SWITCH ASSY. FOR TRIGGER	1
7	608-00206-01	95-1297-00	SPRING, TORSION	1
8	608-00207-01	95-1298-00	SPRING, COMPRESSION	1
9	608-00202-01	95-1293-00	GRIP, RIGHT HALF	1
11	MMC 96075A147	43-0378-00	SCREW, #8-32 x 1 TP BLACK	1
12	MMC 86537A140	43-1124-00	HEX NUT #8-32 BLACK	1

GRIP ASSEMBLY

RAW THRILLS INC.

TITLE: JP GRIP ASSEMBLY

TOL: .X ±.030
.XX ±.015
.XXX ±.005
HOLES: +.002/-.000
ANGLES: ±0.5°

MATERIAL:

FINISH: SEE NOTES

PART NO.

REV D

SHEET 1 of 1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	603-00755-01-G	GUN TOP VACFORM	1
2	R90-AP-7	GATLING LIGHT ASSEMBLY	1
3	R1-1071	COVER BRACKET	1
4	MMC 91251A595	5/16-18 X 3" SOCKET HEAD SCREW	1
5	MMC 92141A030	5/16" WASHER	1
6	MMC 90566A030	5/16-18 NYLOK NUT	1
7	MMC 96075A211	1/4-20 X .5" BLACK TAMPERPROOF SCREW	2
8	R90-13-31	UPPER LEFT DECAL	1
9	R90-13-32	UPPER RIGHT DECAL	1
10	R90-13-33	LOWER LEFT DECAL	1
11	R90-13-34	LOWER RIGHT DECAL	1
12	R90-13-35	SMALL LOWER LEFT DECAL	1
13	R90-13-36	SMALL LOWER RIGHT DECAL	1
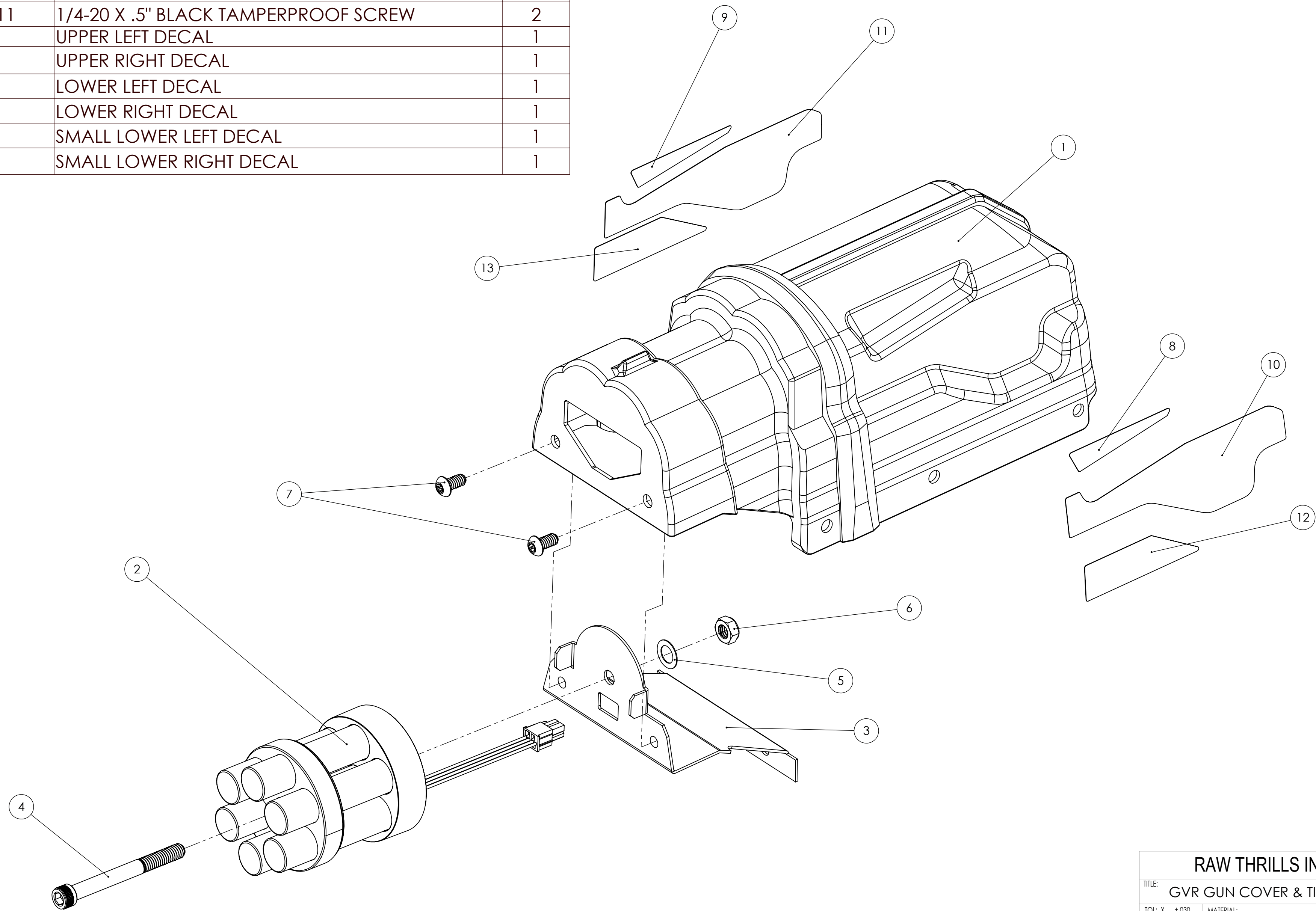
RAW THRILLS INC.

TITLE: GVR GUN COVER & TIP ASSY

TOL: .X   ±.030
.XX   ±.015
.XXX ±.005
HOLES: +.002/-.000
ANGLES: ±0.5°

MATERIAL: SEE NOTES

FINISH: SEE NOTES

PART NO.

REV A

SHEET 1 of 1

SHEET 1: AC DISTRIBUTION + PCS +
MONITORS + HEADSETS + COMPRESSOR

65" LCD MONITOR (UPPER)
(CONNECTS TO P2 PC)

65" LCD MONITOR (LOWER)
(CONNECTS TO P1 PC)

P1 Lenovo M90t

P2 Lenovo M90t

JUNCTION BOX

P1 DPVR HEADSET

P2 DPVR HEADSET

SECURITY DONGLE

COMPRESSOR

811-00156-01

811-00154-01

811-00269-01/CR-41

811-00269-01/811-00153-01

CR-40

CR-18

TO: SHEET 5, SECTION B3

TO: SHEET 2, SECTION L4

TO: SHEET 4, SECTION E16

TO: SHEET 2, SECTION F14

TO: SHEET 3, SECTION E7

AC Relay 25A

GROUNDING STUD AC_EARTH

PCB mounting bracket screw

18W-1007-GRN-YEL #335

USB #853 → TO: SHEET 1, SECTION D15

RIO2
[500-00199-05]

39-01-2240

39-01-2100

39-01-2220

39-01-2200

CR-18

810-00015-01

TEST BRACKET

TEST
GND
SERVICE
VOLUME DOWN
GND
VOLUME UP
CON METER
5VDC

Test bracket screw
16W-1007-GRN #854

PCB mounting bracket screw

03-09-2092

03-09-1094

PCB mounting bracket screw
16W-1007-GRN #855 ◁ FROM: SHEET 1, SECTION J7

TO: SHEET 1, SECTION D19

USB #852

5.1 AUDIO AMP
[380-00010-01]

39-01-2040

39-01-2140

39-01-2140

FROM: SHEET 1, SECTION I9

TO: SHEET 3, SECTION E2

TO: SHEET 3, SECTION K2

TO: SHEET 5, SECTION A5

CR-29

39-01-2181

39-01-2180

TO: SHEET 4, SECTION F8

SHEET 3: SPACER CABINET + COMPRESSOR COMPARTMENT

Godzilla VR System Diagram

Raw Thrills, Inc.

SHEET 4: COMPRESSOR MONITOR PCB + MAIN CABINET UPPER COMPARTMENT

811-00163-01

CR-32

811-00216-01

COMPRESSOR THERMAL MONITOR
[500-00253-01]
51353-3200

811-00163-01

811-00163-01

FROM: SHEET 1, SECTION I15

811-00163-01

CR-42

12VDC FAN

TO: SHEET 11, SECTION F19

810-00046-01

FROM: SHEET 2, SECTION D19

CR-29

[500-00131-01]
RGB LED Strip
Segments: 14
811-00202-01

TO: SHEET 11, SECTION A4

811-00202-01
[500-00131-01]
RGB LED Strip   Segments: 14

500-00205-01
WHITE SUPERPUCK
12V_F6

500-00205-01
WHITE SUPERPUCK
12V_F6

810-00046-01
12VDC FAN

TO: SHEET 11, SECTION G4

810-00046-01
12VDC FAN

CR-18

FROM: SHEET 1,
SECTION D3

FROM: SHEET 2,
SECTION H15

22W-1007-ORG-PNK #359	18W-1007-ORG-PNK #430
22W-1007-ORG-PUR #360	18W-1007-ORG-PUR #431
18W-1007-ORG-RED #361	18W-1007-ORG-RED #432
18W-1007-ORG-YEL #362	18W-1007-ORG-YEL #433
18W-1007-ORG-WHT #389	18W-1007-ORG-WHT #434
18W-1007-YEL-PUR #363	18W-1007-YEL-PUR #435
18W-1007-YEL-BLK #379	18W-1007-YEL-BLK #436
18W-1007-BLK-ORG #364	18W-1007-BLK-ORG, #437,#429
18W-1007-BLK-ORG #377	18W-1007-BLK-ORG #438
18W-1007-BLK-ORG #390	18W-1007-BLK-ORG #439
18W-1007-BLK-ORG #391	18W-1007-BLK-ORG #440
18W-1007-BLK-ORG #392	18W-1007-BLK-ORG #441
18W-1007-BLK-YEL #393	18W-1007-BLK-YEL #442
18W-1007-BLK-YEL #394	18W-1007-BLK-YEL #443
18W-1007-PNK #395	18W-1007-PNK #412
18W-1007-PUR-PNK #396	18W-1007-PUR-PNK #413
18W-1007-WHT-PNK #397	18W-1007-WHT-PNK #414
18W-1007-BRN-PNK #398	18W-1007-BRN-PNK #415

39-01-2201   39-01-2200

810-00304-01

810-00304-01

CBL47 BLK / CBL48 BLK / CBL48 GRN / CBL47 GRN / CBL48 WHT / CBL47 WHT

19-09-1039

18W-1007-BLK #610 / 18W-1007-WHT #611 / 18W-1007-GRN #612

18W-1007-BLK #607 / 18W-1007-GRN #608 / 18W-1007-WHT #609

19-09-2039

18W-1007-BLK #610 / 18W-1007-WHT #611 / 18W-1007-GRN #612

600W 12VDC PSU
HRP-600-12 MEANWELL

AC_L / AC_N / AC_EARTH

12VDC / 12VDC / 12VDC / GND / GND / GND

150W 24VDC PSU
MEAN WELL
LRS-150F-24

24VDC / 24VDC / GND / AC_L / AC_N / AC_EARTH

811-00105-01

CR-26

18W-1007-ORG #670 / 18W-1007-ORG #671 / 18W-1007-ORG #672 / 18W-1007-ORG #673 / 18W-1007-ORG #674 / 18W-1007-BLK #675 / 18W-1007-BLK #676 / 18W-1007-BLK #677 / 18W-1007-BLK #678 / 18W-1007-BLK #679

18W-1007-YEL #581 / 18W-1007-YEL #582 / 18W-1007-BLK #583 / 18W-1007-BLK #584 / 18W-1007-BLK #607 / 18W-1007-WHT #608 / 18W-1007-GRN #609

39-01-2100

39-01-2040

39-01-3103

39-01-3043

CR-23

Ref	Description	Left wire	Right wire
14	P1 SOLENOID 1 2A/250V,3AG,SLOW 0313002.MXP	18W-1007-PNK #412	18W-1007-PNK #425
15	P1 SOLENOID 2 2A/250V,3AG,SLOW 0313002.MXP	18W-1007-PUR-PNK #413	18W-1007-PUR-PNK #426
16	P2 SOLENOID 1 2A/250V,3AG,SLOW 0313002.MXP	18W-1007-WHT-PNK #414	18W-1007-WHT-PNK #427
17	P2 SOLENOID 2 2A/250V,3AG,SLOW 0313002.MXP	18W-1007-BRN-PNK #415	18W-1007-BRN-PNK #428
12	24VDC 24V_F1 5A/250V,3AG,FAST 0312005.MXP	18W-1007-YEL #410	18W-1007-YEL-ORG #423
13	24VDC 24V_F2 5A/250V,3AG,FAST 0312005.MXP	18W-1007-YEL #411	18W-1007-YEL-PNK #424
1	12VDC 12V_F1 5A/250V,3AG,FAST 0312005.MXP	18W-1007-ORG #399	18W-1007-ORG-BLK #416
2	12VDC 12V_F2 5A/250V,3AG,FAST 0312005.MXP	18W-1007-ORG #400	18W-1007-ORG-BLU #417
3	12VDC 12V_F3 5A/250V,3AG,FAST 0312005.MXP	18W-1007-ORG #401	18W-1007-ORG-BRN #418
4	12VDC 12V_F4 5A/250V,3AG,FAST 0312005.MXP	18W-1007-ORG #402	18W-1007-ORG-GRN #419
5	12VDC 12V_F5 5A/250V,3AG,FAST 0312005.MXP	18W-1007-ORG #403	18W-1007-ORG-GRY #420
6	12VDC 12V_F6 5A/250V,3AG,FAST 0312005.MXP	18W-1007-ORG #404	18W-1007-ORG-PNK, #430,#421
7	12VDC 12V_F7 5A/250V,3AG,FAST 0312005.MXP	18W-1007-ORG #405	18W-1007-ORG-PUR, #431,#422
8	12VDC 12V_F8 5A/250V,3AG,FAST 0312005.MXP	18W-1007-ORG, #407,#406	18W-1007-ORG-RED #432
9	12VDC 12V_F9 5A/250V,3AG,FAST 0312005.MXP	18W-1007-ORG #407	18W-1007-ORG-YEL #433
10	12VDC 12V_F10 5A/250V,3AG,FAST 0312005.MXP	18W-1007-ORG, #409,#408	18W-1007-ORG-WHT #434
11	12VDC 12V_F11 5A/250V,3AG,FAST 0312005.MXP	18W-1007-ORG #409	18W-1007-YEL-PUR #435
18	12VDC 12V_F12 10A/250V,3AG,FAST 0312010.MXP	18W-1007-ORG #444	18W-1007-YEL-BLK #436

2-520181-2

3-520150-2

TO: SHEET 3, SECTION I2

Measurements Are In: ANSI D

TITLE: **Godzilla VR System Diagram**

DWG

Designed: JHM   Date: 2024.03.07   REV B

DESCRIPTION	BY	DATE	REV
Added additional grounding wires	JHM	2024.03.14	B
Initial	JHM	2024.03.07	A

SHEET 6: SEAT CABINET

CR-8

TO: SHEET 7,
SECTION K4

CR-14

TO: SHEET 7,
SECTION J19

CR-14

TO: SHEET 7,
SECTION D19

CR-8

TO: SHEET 7,
SECTION E4

CR-36

CR-13

CR-15

FROM: SHEET 8,
SECTION H20

SUBWOOFER
2-1-18-00-00-000

810-00496-01

810-00496-01

	Designed: JHM	Date: 2024.03.07	REV B
		Measurements Are In:	ANSI D
F			
E			
D		Godzilla VR System Diagram	
C			
B	Added additional grounding wires	JHM	2024.03.14
A	Initial	JHM	2024.03.07
	DESCRIPTION	BY	DATE	REV

SHEET 7A: P1 SEAT + P1 HEADSET ARM

CR-31

CR-8

811-00252-01 — [500-00184-01] RGB LED Strip — Segments: 4
22W-1007-ORG-PNK #497 / 22W-1007-YEL-RED #498 / 22W-1007-YEL-GRN #499 / 22W-1007-YEL-BLU #500
03-06-1042
22W-1007-WHT #761 / 22W-1007-RED #762 / 22W-1007-GRN #763 / 22W-1007-BLU #764
03-06-2042
12V_F6 — R HEADSET ARM - R / G HEADSET ARM - G / B HEADSET ARM - B

811-00251-01 — [500-00184-01] RGB LED Strip — Segments: 3
22W-1007-ORG-PNK #501 / 22W-1007-YEL-RED #502 / 22W-1007-YEL-GRN #503 / 22W-1007-YEL-BLU #504
03-06-1042
22W-1007-WHT #765 / 22W-1007-RED #766 / 22W-1007-GRN #767 / 22W-1007-BLU #768
03-06-2042
12V_F6 — R HEADSET ARM - R / G HEADSET ARM - G / B HEADSET ARM - B

810-00402-01 — RGB LED Strip — Segments: 9
22W-1007-ORG-PNK #493,#501 / 22W-1007-YEL-RED. #494,#502 / 22W-1007-YEL-GRN, #495,#503 / 22W-1007-YEL-BLU, #496,#504
03-06-1042
22W-1007-WHT #769 / 22W-1007-RED #770 / 22W-1007-GRN #771 / 22W-1007-BLU #772
03-06-2042
12V_F6 — R HEADSET ARM - R / G HEADSET ARM - G / B HEADSET ARM - B

CR-14
22W-1007-ORG-PNK #497,#493 / 22W-1007-YEL-RED. #498,#494 / 22W-1007-YEL-GRN, #499,#495 / 22W-1007-YEL-BLU, #500,#496
03-06-2042
22W-1007-ORG-PNK #142 / 22W-1007-YEL-RED #143 / 22W-1007-YEL-GRN #144 / 22W-1007-YEL-BLU #145
03-06-1042
FROM: SHEET 6, SECTION C14

807-00003-00
18W-1007-GRN-YEL #011
CBL1 RED — SEAT LEFT SUBWOOFER + — 2-520181-2
CBL1 BLK — SEAT LEFT SUBWOOFER - — 2-520181-2 — SPEAKER

500-00204-01
22W-1007-ORG-GRY #009 / 22W-1007-BLK-PNK #010 — 03-06-1023
22W-1007-RED #712 / 22W-1007-BLK #713 — 03-06-2023
12V_F5 — SEAT PUCKS — RED SUPERPUCK

CR-27 — [500-00189-01] BLU LED Strip — Segments: 9
22W-1007-ORG-GRY, #003,#001 / 22W-1007-WHT-BLK, #004,#002 — 39-01-3023
22W-1007-RED #755 / 22W-1007-BLK #756 — 39-01-2020
12V_F5 — SEAT - B

CR-27 — [500-00189-01] BLU LED Strip — Segments: 9
22W-1007-ORG-GRY, #003,#005 / 22W-1007-WHT-BLK, #004,#006 — 39-01-3023
22W-1007-RED #753 / 22W-1007-BLK #754 — 39-01-2020
12V_F5 — SEAT - B

FROM: SHEET 6, SECTION C18
22W-1007-ORG-GRY #005 / 22W-1007-WHT-BLK #006 — 39-01-3023 — NOT USED

811-00244-01
2-1-10-00-00-000
OVERHEAD LEFT SPEAKER + / OVERHEAD LEFT SPEAKER - — SPEAKER
CBL58 RED — 2-520181-2 / CBL58 BLK — 2-520181-2
CBL58 RED / CBL58 BLK — 39-01-2020
CBL15 RED / CBL15 BLK — 39-01-3023

22W-1007-ORG-GRY. #009,#007 / 22W-1007-BLK-PNK, #010,#008 — 03-06-1023
22W-1007-RED #714 / 22W-1007-BLK #715 — 03-06-2023
12V_F5 — SEAT PUCKS — 500-00204-01 — RED SUPERPUCK

SHEET 7B: P2 SEAT + P2 HEADSET ARM

CR-31

CR-8

811-00252-01 — [500-00184-01] RGB LED Strip — Segments: 4
22W-1007-ORG-PNK #509 / 22W-1007-YEL-RED #510 / 22W-1007-YEL-GRN #511 / 22W-1007-YEL-BLU #512
03-06-1042
22W-1007-WHT #773 / 22W-1007-RED #774 / 22W-1007-GRN #775 / 22W-1007-BLU #776
03-06-2042
12V_F6 — R HEADSET ARM - R / G HEADSET ARM - G / B HEADSET ARM - B

811-00251-01 — [500-00184-01] RGB LED Strip — Segments: 3
22W-1007-ORG-PNK #513 / 22W-1007-YEL-RED #514 / 22W-1007-YEL-GRN #515 / 22W-1007-YEL-BLU #516
03-06-1042
22W-1007-WHT #777 / 22W-1007-RED #778 / 22W-1007-GRN #779 / 22W-1007-BLU #780
03-06-2042
12V_F6 — R HEADSET ARM - R / G HEADSET ARM - G / B HEADSET ARM - B

810-00402-01 — RGB LED Strip — Segments: 9
22W-1007-ORG-PNK, #505,#513 / 22W-1007-YEL-RED. #506,#514 / 22W-1007-YEL-GRN, #507,#515 / 22W-1007-YEL-BLU, #508,#516
03-06-1042
22W-1007-WHT #781 / 22W-1007-RED #782 / 22W-1007-GRN #783 / 22W-1007-BLU #784
03-06-2042
12V_F6 — R HEADSET ARM - R / G HEADSET ARM - G / B HEADSET ARM - B

CR-14
22W-1007-ORG-PNK, #509,#505 / 22W-1007-YEL-RED. #510,#506 / 22W-1007-YEL-GRN, #511,#507 / 22W-1007-YEL-BLU, #512,#508
03-06-2042
22W-1007-ORG-PNK #477 / 22W-1007-YEL-RED #478 / 22W-1007-YEL-GRN #479 / 22W-1007-YEL-BLU #480
03-06-1042
FROM: SHEET 6, SECTION C7

807-00003-00
18W-1007-GRN-YEL #476
CBL42 RED — SEAT RIGHT SUBWOOFER + — 2-520181-2
CBL42 BLK — SEAT RIGHT SUBWOOFER - — 2-520181-2 — SPEAKER

500-00204-01
22W-1007-ORG-GRY #474 / 22W-1007-BLK-PNK #475 — 03-06-1023
22W-1007-RED #708 / 22W-1007-BLK #709 — 03-06-2023
12V_F5 — SEAT PUCKS — RED SUPERPUCK

CR-27 — [500-00189-01] BLU LED Strip — Segments: 9
22W-1007-ORG-GRY, #468,#466 / 22W-1007-WHT-BLK, #469,#467 — 39-01-3023
22W-1007-RED #757 / 22W-1007-BLK #758 — 39-01-2020
12V_F5 — SEAT - B

CR-27 — [500-00189-01] BLU LED Strip — Segments: 9
22W-1007-ORG-GRY, #468,#470 / 22W-1007-WHT-BLK, #469,#471 — 39-01-3023
22W-1007-RED #759 / 22W-1007-BLK #760 — 39-01-2020
12V_F5 — SEAT - B

FROM: SHEET 6, SECTION C3
22W-1007-ORG-GRY #470 / 22W-1007-WHT-BLK #471 — 39-01-3023 — NOT USED

811-00244-01
2-1-10-00-00-000
OVERHEAD RIGHT SPEAKER + / OVERHEAD RIGHT SPEAKER - — SPEAKER
CBL57 RED — 2-520181-2 / CBL57 BLK — 2-520181-2
CBL57 RED / CBL57 BLK — 39-01-2020
CBL43 RED / CBL43 BLK — 39-01-3023

22W-1007-ORG-GRY, #474,#472 / 22W-1007-BLK-PNK, #475,#473 — 03-06-1023
22W-1007-RED #710 / 22W-1007-BLK #711 — 03-06-2023
12V_F5 — SEAT PUCKS — 500-00204-01 — RED SUPERPUCK

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TITLE: Godzilla VR System Diagram
Measurements Are In: ANSI D
Designed: JHM — Date: 2024.03.07 — REV B

DESCRIPTION	BY	DATE	REV
Added additional grounding wires	JHM	2024.03.14	B
Initial	JHM	2024.03.07	A

810-00008-01

LIGHT 1
12V_F1 +   22W-1007-ORG, #621,#636
GND −   22W-1007-BLK, #624,#637

Coin door stud
18W-1007-GRN-YEL #625

COIN 1 / P1-UCL:2   22W-1007-GRY-BRN #623
2-520181-2
GND   22W-1007-BLK #626
2-520181-2

COIN 2 / P2-UCL:2   22W-1007-GRY-BLU #622
2-520181-2
GND   22W-1007-BLK, #626,#627
2-520181-2

LIGHT 2
12V_F1 +   22W-1007-ORG #636
GND −   22W-1007-BLK, #627,#637

22W-1007-ORG #621 — 1 | 1 — 22W-1007-ORG-BLK, #071,#096
22W-1007-GRY-BLU #622 — 3 | 3
22W-1007-GRY-BRN #623 — 4 | 4 — 22W-1007-GRY-PUR #097
22W-1007-BLK #624 — 5 | 5 — 22W-1007-GRY-PNK #098
18W-1007-GRN-YEL #625 — 7 | 7 — 22W-1007-BLK, #099,#111
8 | 8
9 | 9 — 18W-1007-GRN-YEL #100
03-09-2092   03-09-1094

Vault screw
18W-1007-GRN-YEL #117

CR-15

18W-1007-YEL-ORG #070 — 1 | 1 — 18W-1007-YEL-ORG #155
18W-1007-YEL-PNK #083 — 2 | 2 — 18W-1007-YEL-PNK #156
22W-1007-ORG-BLK, #107,#096 — 3 | 3 — 18W-1007-ORG-BLK, #157
22W-1007-ORG-BLK, #084,#112 — 4 | 4 — 18W-1007-ORG-BLK #158
22W-1007-BLK, #072,#085 — 5 | 5 — 18W-1007-BLK, #177,#159
22W-1007-GRY-BRN #073 — 6 | 6 — 22W-1007-GRY-BRN #160
22W-1007-PNK-BRN #074 — 7 | 7 — 22W-1007-PNK-BRN #161
18W-1007-PNK #075 — 8 | 8 — 18W-1007-PNK #162
18W-1007-PUR-PNK #076 — 9 | 9 — 18W-1007-PUR-PNK #163
22W-1007-GRY-BLK, #077,#090 — 10 | 10 — 22W-1007-GRY-BLK #164
22W-1007-GRY-RED #078 — 11 | 11 — 22W-1007-GRY-RED #165
22W-1007-GRY-GRN #079 — 12 | 12 — 22W-1007-GRY-GRN #166
22W-1007-GRY-BLU #080 — 13 | 13 — 22W-1007-GRY-BLU #167
22W-1007-PUR-RED #091 — 14 | 14 — 22W-1007-PUR-RED #168
22W-1007-PUR-GRN #092 — 15 | 15 — 22W-1007-PUR-GRN #169
22W-1007-PUR-BLU #093 — 16 | 16 — 22W-1007-PUR-BLU #170
22W-1007-BRN-BLK, #081,#094 — 17 | 17 — 22W-1007-BRN-BLK #171
18W-1007-GRN-YEL, #082,#095 — 18 | 18 — 18W-1007-GRN-YEL #172
22W-1007-GRY #086 — 19 | 19 — 22W-1007-GRY #173
22W-1007-PNK-GRY #087 — 20 | 20 — 22W-1007-PNK-GRY #174
18W-1007-WHT-PNK #088 — 21 | 21 — 18W-1007-WHT-PNK #175
18W-1007-BRN-PNK #089 — 22 | 22 — 18W-1007-BRN-PNK #176
23 | 23
24 | 24
39-01-2240   39-01-2241

DBV
12V_F1 — 1 — 22W-1007-ORG-BLK. #103,#107
COIN 1 / P1-UCL:2 — 2 — 22W-1007-GRY-PNK #108
P1 E-TKT NOTCH / P1-UCL:6 — 5 — 22W-1007-GRN-BLU #109
P1 E-TKT RUN / P1-UCL:8 — 7 — 22W-1007-GRN-BLK #110
GND — 8 — 22W-1007-BLK, #102,#111
03-09-1094

22W-1007-ORG-BLK, #106,#112 — 1 — 12V_F1
22W-1007-GRY-PUR #113 — 2 — COIN 2 / P2-UCL:2
22W-1007-GRN-GRY #114 — 5 — P2 E-TKT NOTCH / P2-UCL:6
22W-1007-GRN-BRN #115 — 7 — P2 E-TKT RUN / P2-UCL:8
22W-1007-BLK, #105,#116 — 9 — GND
03-09-1094

DBV
P1 DBV — 7 — 22W-1007-GRY-ORG #101
GND — 8 — 22W-1007-BLK #102
12V_F1 — 11 — 22W-1007-ORG-BLK #103
87456-9

P2 DBV — 7 — 22W-1007-GRY-WHT #104
GND — 8 — 22W-1007-BLK #105
12V_F1 — 11 — 22W-1007-ORG-BLK #106
87456-9

CR-10
18W-1007-YEL-ORG #453 — 1 | 1 — 18W-1007-YEL-ORG #070
22W-1007-ORG-BLK, #456,#458 — 2 | 2 — 22W-1007-ORG-BLK #071
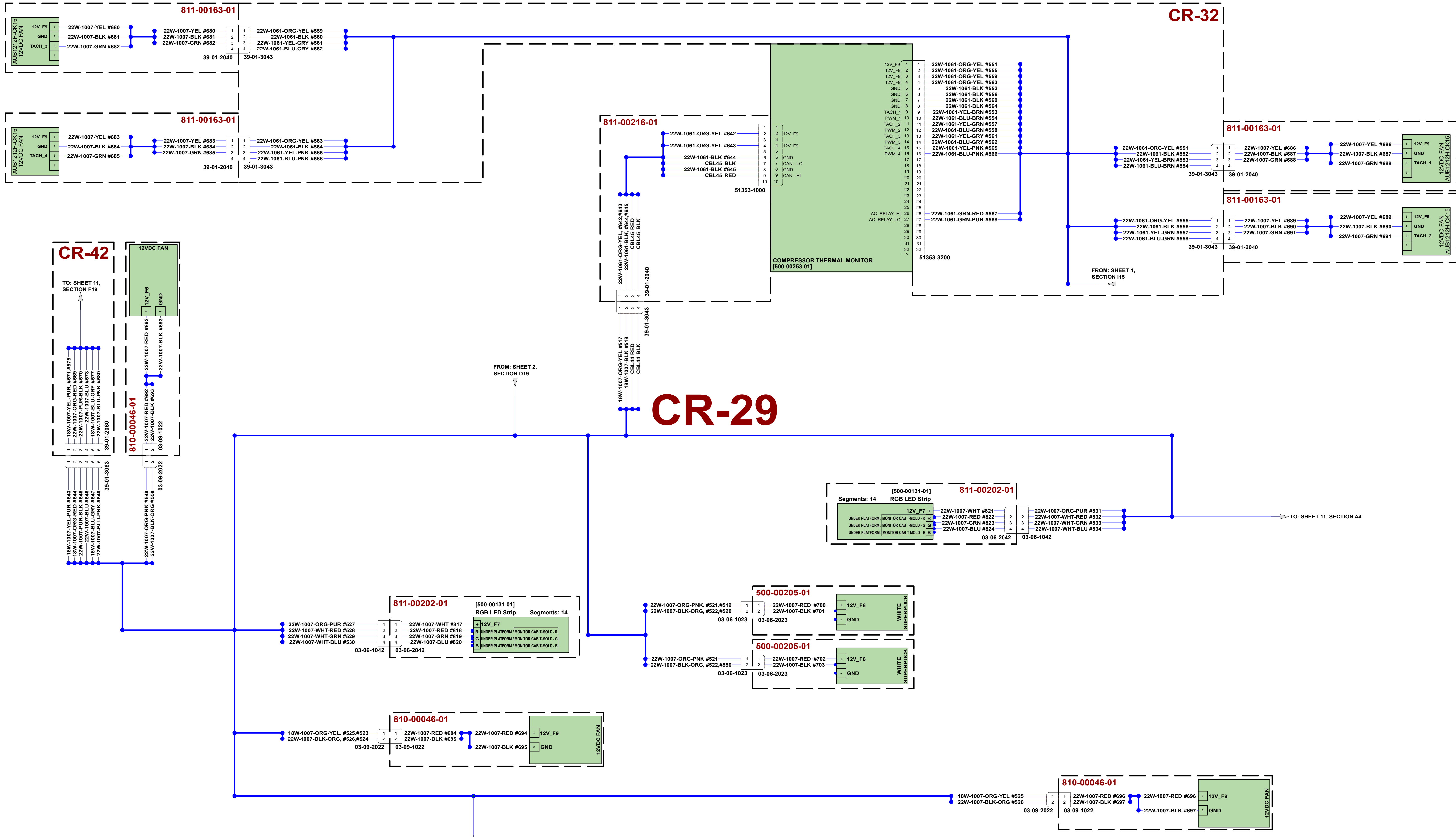22W-1007-BLK #446 — 3 | 3 — 22W-1007-BLK #072
22W-1007-GRY-BRN #448 — 4 | 4 — 22W-1007-GRY-BRN #073
22W-1007-PNK-BRN #448 — 5 | 5 — 22W-1007-PNK-BRN #074
18W-1007-PNK #451 — 6 | 6 — 18W-1007-PNK #075
18W-1007-PUR-PNK #452 — 7 | 7 — 18W-1007-PUR-PNK #076
22W-1007-GRY-BLK #455 — 8 | 8 — 22W-1007-GRY-BLK #077
22W-1007-GRY-RED #459 — 9 | 9 — 22W-1007-GRY-RED #078
22W-1007-GRY-GRN #460 — 10 | 10 — 22W-1007-GRY-GRN #079
22W-1007-GRY-BLU #461 — 11 | 11 — 22W-1007-GRY-BLU #080
22W-1007-BRN-BLK #457 — 15 | 15 — 22W-1007-BRN-BLK #081
18W-1007-GRN-YEL, #445,#462 — 16 | 16 — 18W-1007-GRN-YEL #082
CBL41 BLK — 17 | 17 — CBL9 BLK
CBL41 RED — 18 | 18 — CBL9 RED
CBL41 WHT — 19 | 19 — CBL9 WHT
CBL41 GRN — 20 | 20 — CBL9 GRN
39-01-2200   39-01-2201

TO: SHEET 9, SECTION E16

22W-1007-RED #465 — 1 | 1 — CBL11 RED
22W-1007-BLK #464 — 2 | 2 — CBL11 BLK
39-01-2020   39-01-3023

CR-10
18W-1007-YEL-PNK #083 — 1 | 1 — 18W-1007-YEL-ORG #020
22W-1007-ORG-BLK #084 — 2 | 2 — 22W-1007-ORG-BLK, #023,#025
22W-1007-BLK #085 — 3 | 3 — 22W-1007-BLK #013
22W-1007-GRY #086 — 4 | 4 — 22W-1007-GRY-BRN #014
22W-1007-PNK-GRY #087 — 5 | 5 — 22W-1007-PNK-BRN #015
18W-1007-WHT-PNK #088 — 6 | 6 — 18W-1007-PNK #018
18W-1007-BRN-PNK #089 — 7 | 7 — 18W-1007-PUR-PNK #019
22W-1007-GRY-BLK #090 — 8 | 8 — 22W-1007-GRY-BLK #022
22W-1007-PUR-RED #091 — 9 | 9 — 22W-1007-GRY-RED #026
22W-1007-PUR-GRN #092 — 10 | 10 — 22W-1007-GRY-GRN #027
22W-1007-PUR-BLU #093 — 11 | 11 — 22W-1007-GRY-BLU #028
22W-1007-BRN-BLK #094 — 15 | 15 — 22W-1007-BRN-BLK #024
18W-1007-GRN-YEL #095 — 16 | 16 — 18W-1007-GRN-YEL, #012,#029
CBL10 BLK — 17 | 17 — CBL2 BLK
CBL10 RED — 18 | 18 — CBL2 RED
CBL10 WHT — 19 | 19 — CBL2 WHT
CBL10 GRN — 20 | 20 — CBL2 GRN
39-01-2201   39-01-2200

TO: SHEET 9, SECTION K16

CBL12 RED — 1 | 1 — 22W-1007-RED #032
CBL12 BLK — 2 | 2 — 22W-1007-BLK #031
39-01-3023   39-01-2020

22W-1007-BLK, #116,#099 — 1 — 18W-1007-BLK #177
22W-1007-GRY-PNK, #108,#098 — 8 | 8 — 22W-1007-GRY-PNK #178
22W-1007-GRY-PUR, #113,#097 — 9 | 9 — 22W-1007-GRY-PUR #179
18W-1007-GRN-YEL, #100,#117 — 10 | 10 — 18W-1007-GRN-YEL #180
22W-1007-GRY-ORG #101 — 11 | 11 — 22W-1007-GRY-ORG #181
22W-1007-GRY-WHT #104 — 12 | 12 — 22W-1007-GRY-WHT #182
22W-1007-GRN-BLK #110 — 13 | 13 — 22W-1007-GRN-BLK #183
22W-1007-GRN-BLU #109 — 14 | 14 — 22W-1007-GRN-BLU #184
22W-1007-GRN-BRN #115 — 15 | 15 — 22W-1007-GRN-BRN #185
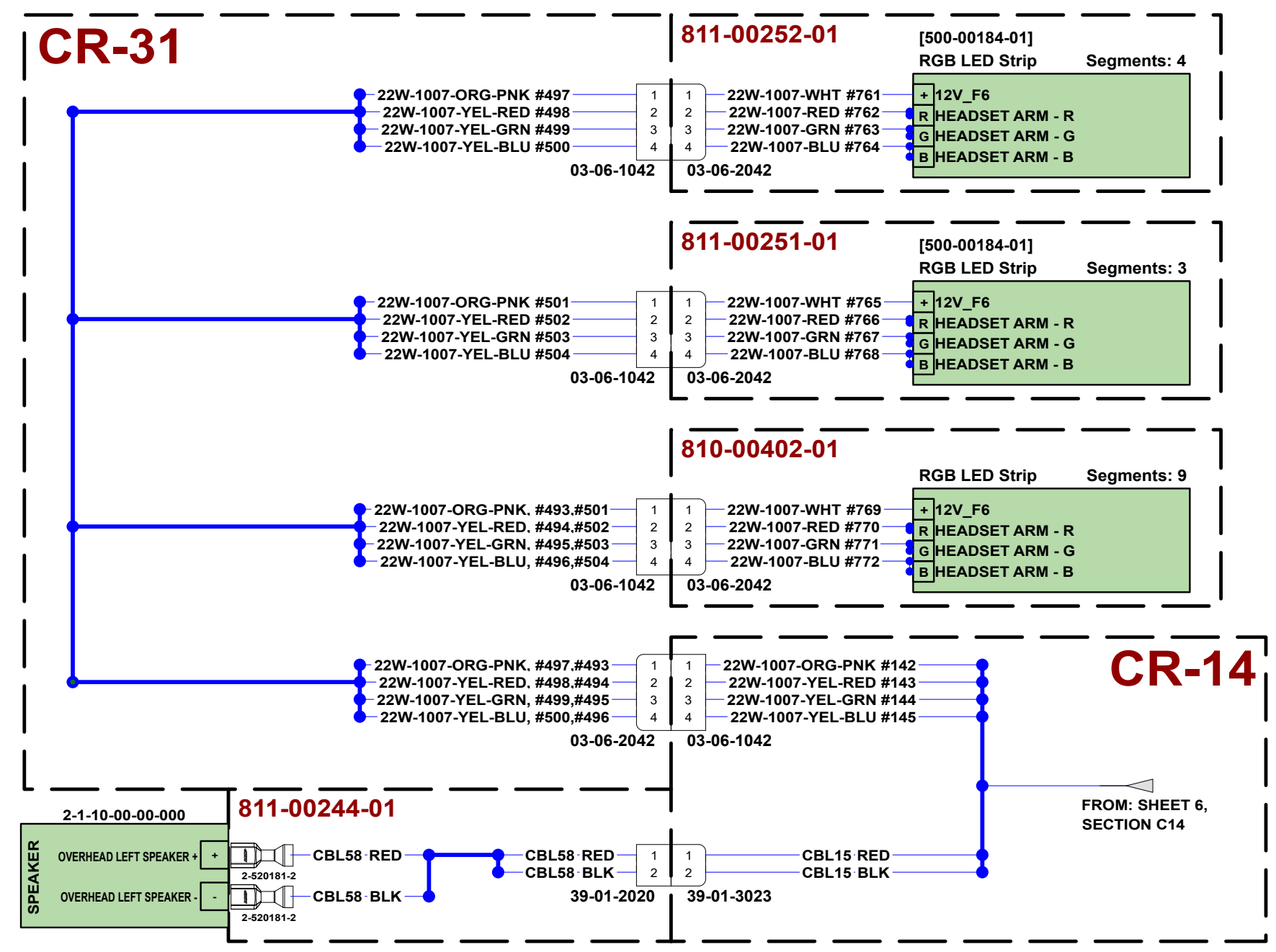22W-1007-GRN-GRY #114 — 16 | 16 — 22W-1007-GRN-GRY #186
39-01-2160   39-01-2161

FROM: SHEET 3, SECTION C13
TO: SHEET 6, SECTION L11

CBL9 BLK — 1 | 1 — CBL21 BLK
CBL9 RED — 2 | 2 — CBL21 RED
CBL9 WHT — 3 | 3 — CBL21 WHT
CBL9 GRN — 4 | 4 — CBL21 GRN
CBL10 BLK — 5 | 5 — CBL22 BLK
CBL10 RED — 6 | 6 — CBL22 RED
CBL10 WHT — 7 | 7 — CBL22 WHT
CBL10 GRN — 8 | 8 — CBL22 GRN
39-01-2080   39-01-3083

CBL11 RED — 1 | 1 — CBL63 RED
CBL11 BLK — 2 | 2 — CBL63 BLK
CBL12 RED — 3 | 3 — CBL65 RED
CBL12 BLK — 4 | 4 — CBL65 BLK
39-01-2040   39-01-3043

TO: SHEET 10, SECTION K11

CR-12

SHEET 9A: P1 CONTROL PANEL

INCLUDES:
HARNESSES 810-00454-01 - 810-00457,
810-00311-01 - 810-00313-01, CR-30, &
GATLING LIGHT ASSEMBLY (R90-AP-7)

PLAYER 1 GUN MECHANISM

RED PUCK — DASH PUCKS — 12V_F1
500-00065-01 — 03-06-2023

WHT LED Strip — Segments: 3 — [500-00162-01] — DASH GRAPHIC/ VR LOGO - W — 12V_F1
811-00044-01

SPEAKER — SPEAKER CONNECTER — FRONT LEFT SPEAKER — 807-00010-00
CR-24 — Bracket stud

CR-10

SPEAKER — FRONT LEFT SPEAKER + — SPEAKER CONNECTER — 807-00010-00
CR-24 — CBL61 RED — CBL61 BLK — 22W-1007-RED #465 — 22W-1007-RED-BLK #463
39-01-2020 — 39-01-3023

FROM: SHEET 8, SECTION H1

SHEET 9B: P2 CONTROL PANEL

INCLUDES:
HARNESSES 810-00454-01 - 810-00457,
810-00311-01 - 810-00313-01, CR-30, &
GATLING LIGHT ASSEMBLY (R90-AP-7)

PLAYER 2 GUN MECHANISM

RED PUCK — DASH PUCKS — 12V_F1
500-00065-01 — 03-06-2023

WHT LED Strip — Segments: 3 — [500-00162-01] — DASH GRAPHIC/ VR LOGO - W — 12V_F1
811-00044-01

SPEAKER — SPEAKER CONNECTER — FRONT RIGHT SPEAKER — 807-00010-00
CR-24 — Bracket stud

CR-10

SPEAKER — FRONT RIGHT SPEAKER + — SPEAKER CONNECTER — 807-00010-00
CR-24 — CBL60 RED — CBL60 BLK — 22W-1007-RED #032 — 22W-1007-RED-BLK #030
39-01-2020 — 39-01-3023

FROM: SHEET 8, SECTION H14

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USA
rawthrills.com
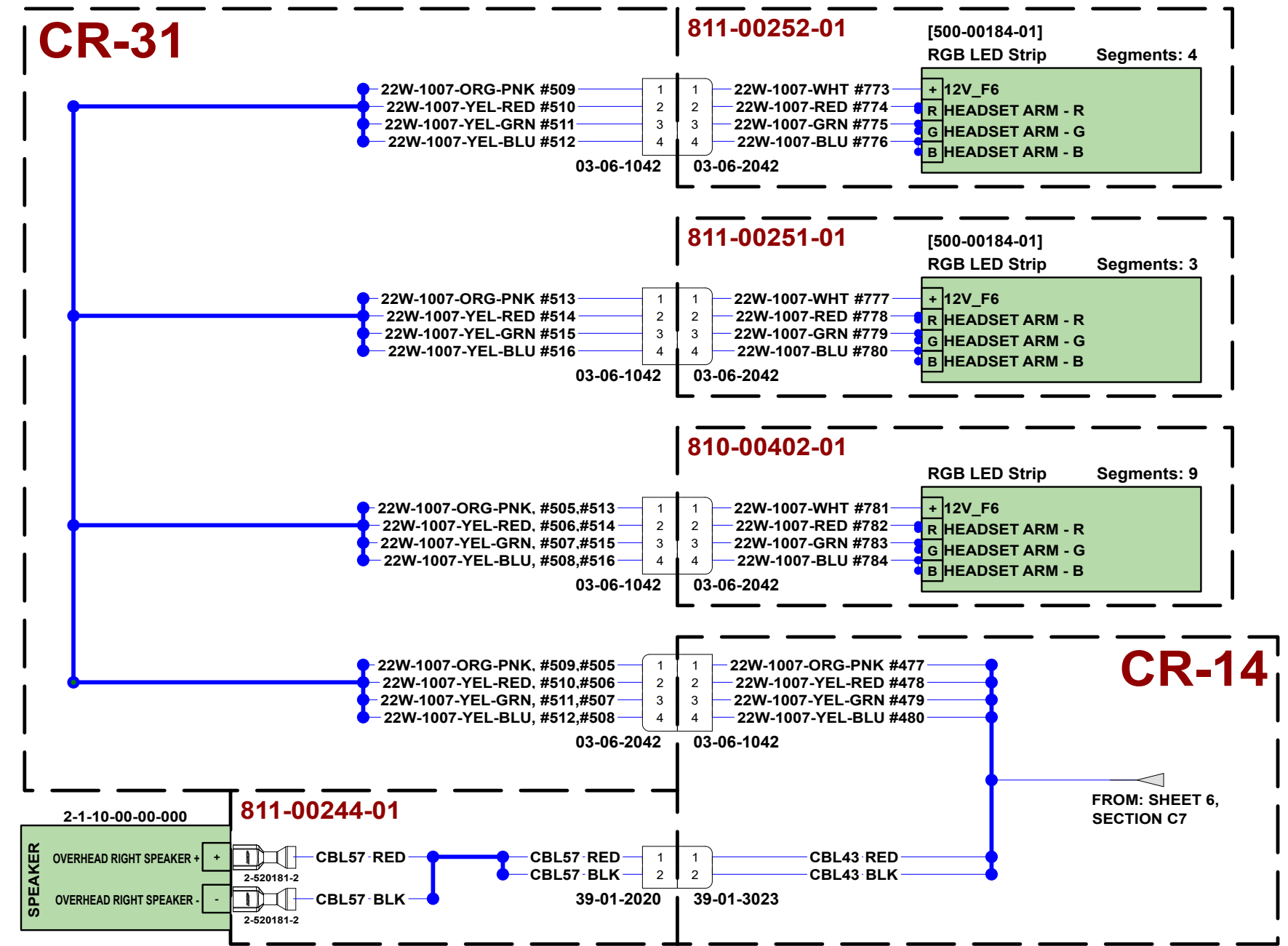tel: 847.679.8373
fax: 847.679.8538

Measurements Are In: ANSI D

TITLE: Godzilla VR System Diagram

Designed: JHM
Date: 2024.03.07
REV B

DESCRIPTION	BY	DATE	REV
Added additional grounding wires	JHM	2024.03.14	B
Initial	JHM	2024.03.07	A

SHEET 11: MARQUEE + SIDE PANEL LIGHT BOXES

CR-29 FROM: SHEET 4, SECTION H18

CR-35

CR-34

CR-33

CR-29 FROM: SHEET 4, SECTION L8

CR-35

CR-34

CR-33

CR-42

NOT USED

22W-1007-ORG-RED #569
22W-1007-PUR-BLK #570
39-01-3023

CR-44

[500-00162-01] WHT LED Strip
Segments: 13/5
12V_F11
MARQUEE BUILDINGS - W
22W-1007-RED #833
22W-1007-BLK #834

[500-00162-01] WHT LED Strip
Segments: 13/5
12V_F11
MARQUEE BUILDINGS - W
22W-1007-RED #835
22W-1007-BLK #836

22W-1007-RED #833 / 18W-1007-YEL-PUR, #571,#572
22W-1007-RED #835 / 18W-1007-YEL-PUR, #572,#579
22W-1007-BLK #834 / 22W-1007-BLU, #573,#574
22W-1007-BLK #836 / 22W-1007-BLU #574
39-01-2060   39-01-3063

FROM: SHEET 4, SECTION E3

CR-45

[500-00162-01] WHT LED Strip
Segments: 32
12V_F11
GODZILLA BODY - W
22W-1007-RED #837
22W-1007-BLK #839

[500-00162-01] WHT LED Strip
Segments: 11
12V_F11
GODZILLA BODY - W
22W-1007-RED #838
22W-1007-BLK #840

22W-1007-RED #837 / 18W-1007-YEL-PUR, #575,#576
22W-1007-RED #838 / 18W-1007-YEL-PUR, #576
22W-1007-BLK #839 / 18W-1007-BLU-GRY, #577,#578
22W-1007-BLK #840 / 18W-1007-BLU-GRY #578
39-01-2040   39-01-3043

CR-46

[500-00189-01] BLU LED Strip
Segments: 6/3
12V_F11
GODZILLA SCALES - B
22W-1007-RED #841 / 18W-1007-YEL-PUR #579
22W-1007-BLK #842 / 22W-1007-BLU-PNK #580
39-01-4030   39-01-4036

[500-00162-01] WHT LED Strip
12V_F8
LIGHTBOX CENTER - W
Segments: 9/9

18W-1007-ORG-RED, #540,#539
18W-1007-ORG-RED #541
22W-1007-BLU-RED #542
22W-1007-BLU-GRN #542
39-01-3043

22W-1007-RED #827
22W-1007-BLK #828
39-01-4030

22W-1007-ORG-RED #646
22W-1007-ORG-RED #646
22W-1007-BLU-GRN #649
22W-1007-BLU-RED #647
39-01-2040

22W-1007-ORG-RED #648
22W-1007-BLU-RED #649
39-01-4036

[500-00162-01] WHT LED Strip
Segments: 8
12V_F8
LIGHTBOX EDGES - W

22W-1007-ORG-RED #589
22W-1007-BLU-RED #590

22W-1007-ORG-RED, #589,#646
22W-1007-BLU-RED, #590,#647
39-01-3023

22W-1007-RED #829
22W-1007-BLK #830
39-01-2020

[500-00162-01] WHT LED Strip
Segments: 8
12V_F8
LIGHTBOX EDGES - W

[500-00162-01] WHT LED Strip
12V_F8
LIGHTBOX CENTER - W
Segments: 9/9

18W-1007-ORG-RED, #536,#535
18W-1007-ORG-RED, #538,#644
22W-1007-BLU-RED #537
22W-1007-BLU-GRN #538
39-01-3043

22W-1007-RED #825
22W-1007-BLK #826
39-01-4030

22W-1007-ORG-RED #654
22W-1007-ORG-RED #651
22W-1007-BLU-GRN #655
22W-1007-BLU-RED #653
39-01-2040

22W-1007-ORG-RED #654
22W-1007-BLU-GRN #655
39-01-4036

[500-00162-01] WHT LED Strip
Segments: 8
12V_F8
LIGHTBOX EDGES - W

22W-1007-ORG-RED #650
22W-1007-BLU-RED #652

22W-1007-ORG-RED, #650,#651
22W-1007-BLU-RED, #652,#653
39-01-3023

22W-1007-RED #831
22W-1007-BLK #832
39-01-2020

[500-00162-01] WHT LED Strip
Segments: 8
12V_F8
LIGHTBOX EDGES - W