Fast and Furious Arcade
Operator's Manual



FAST & FURIOUS

ARCADE

RAW THRILLS

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

Handling Components

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

Disconnect Power

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

Grounding

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

Electrical Shocks

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

Monitor

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

Voltage

Each game is manufactured for a specific AC voltage. Before applying power, verify that the AC voltage matches the game’s specified voltage rating.

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

Ventilation

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

Hazard to Epileptics

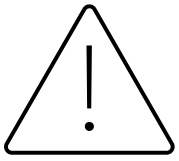
A small portion of the population has an epileptic condition that may cause seizures. Affected persons experience seizures while watching some television pictures or playing certain video games. People who have not had seizures may still have an undetected epileptic condition. If anyone in your family has experienced epilepsy symptoms (seizures or loss of awareness), consult your physician 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.
- Disconnect 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 one person 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:
    - MOTION STOP button is located on the left side of the seat pedestal, under the dash. 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 tamperproof 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 (ETL)
Voltage: 120VAC / 60 Hz
Operating AC Current: 20 Amps (10 Amps per entry)

International (CE)
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

8'10 ¾"H x 4'9 ¼"W x 9'11 ¼"D (271.15cm H x 145.42cm W x 302.90cm D)
Approximate weight 1100lbs. (500kg)
Single cabinet setup recommended minimum floor space requirement:
10'H x 8'1 ¼"W x 15'3 ½"D (304.8cm H x 247.015cm W x 466.09cm D) ***see pg. 46 for diagram****
Twin cabinet setup recommended minimum floor space requirement:
12'H x 12'10 ½"W x 15'3 ½"D (365.76cm H x 483.87cm W x 466.09cm D) ***see pg. 48 for diagram****

Fuse Replacement Guide

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

12V Power Distribution

Please see unit for specified fuse labeling.
Abbreviations:

5A 250V	5A, 250VAC Fast Acting 3AG Fuse	Littlefuse 0312005.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 such as the monitor bracket or spoiler to move the game. Doing so can damage the decorative items. Be aware of your surroundings and individuals around you during the installation 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 lids.
3. Lift off the large cardboard containers surrounding the cabinet assembly and remove any shipping cleats.
4. Remove the keys from the front dash.
5. Check for shipping damage to the following:
   - Monitor(s)
   - Monitor bracket
   - 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

- Drill Driver
- Phillips Bit
- T-15 Tamper Resist Torx Bit
- T-20 Tamper Resist Torx Bit
- T-27 Tamper Resist Torx Bit
- Ratcheting Wrench
- 7/16” Socket
- 13mm Socket
- (2) 6ft Step Ladders (Minimum Height)

Installing the Lower Monitor

1. Remove the upper and lower back doors from the main cabinet
2. Remove the monitor cross bracket (RAP-120) from the top of the cabinet (if it's already installed)
3. Unpack one of the monitors, lift it using two people, and set it on to the cabinet ledge cleat

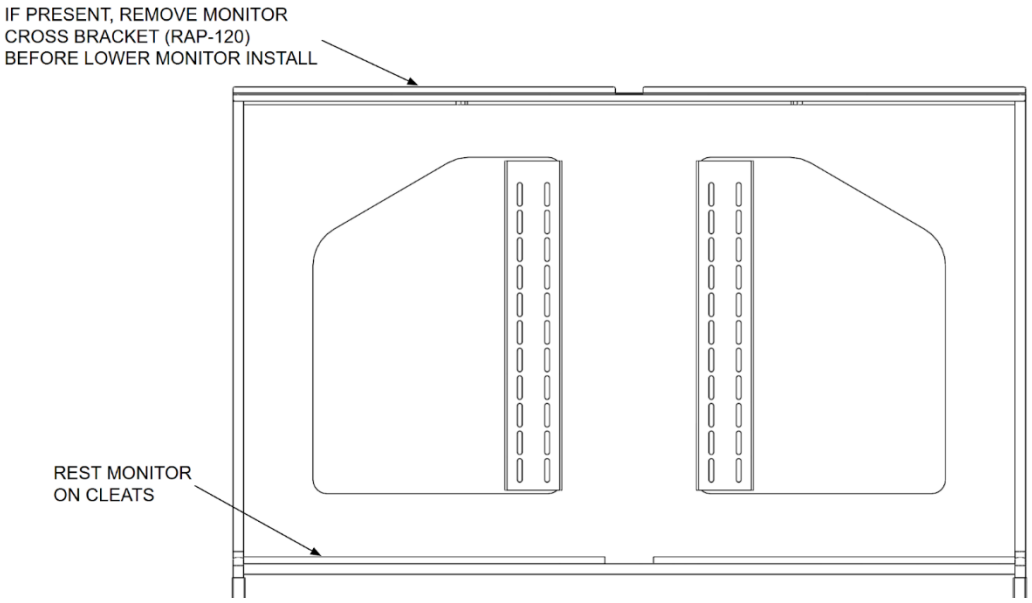


IMAGE 1A- 1

4. If the monitor is resting on the cleat and the VESA mounts don't line up with a set of slots in the VESA brackets, simply remove the VESA brackets (R1-1159 & R1-1160), flip them 180°, and install them on the opposite sides of the cabinet (trade positions)

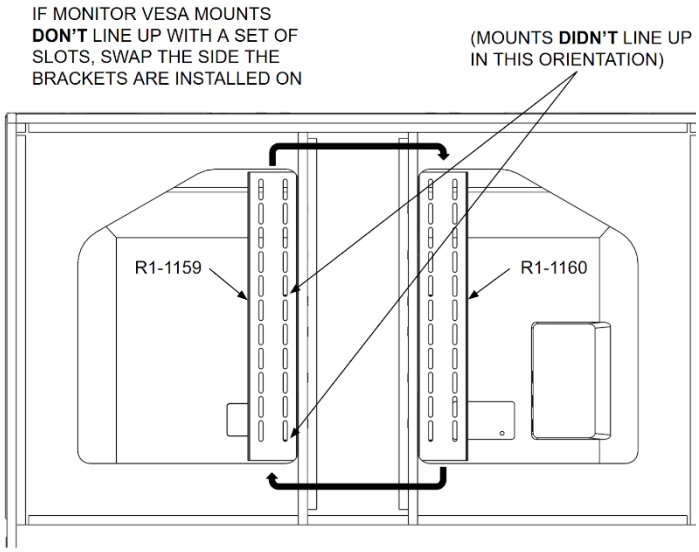


IMAGE 1A- 2

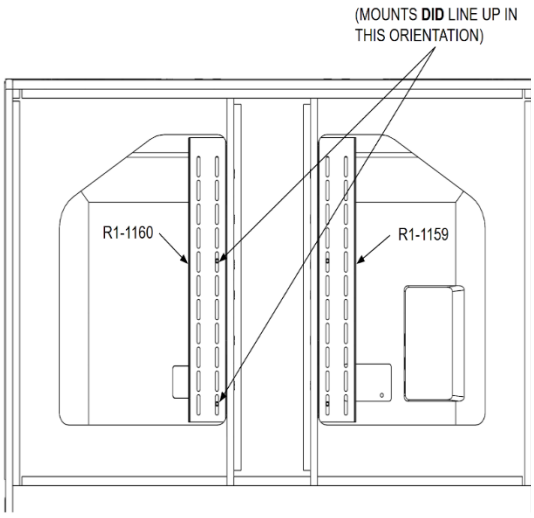


IMAGE 1A- 3

5. The game includes a kit of assorted hardware. Determine the appropriate hardware for your monitor and secure it to the VESA brackets. Keep the kit in case a monitor ever needs to be replaced
   a) If the VESA brackets aren't contacting the back of the monitor and the monitor is pushed as far back as possible, loosen the screws that mount the VESA brackets to the cabinet and push the brackets forward. Then secure the monitor to the brackets
6. Install the monitor cross bracket on top of the cabinet, lining up the slots in the bracket with the pre-drilled holes in the cabinet. Then pull the bracket back until it meets the front of the top bezel of the monitor. Secure the bracket into place
   a) If the cross bracket is pushed so far forward that the shorter slot can't be used to secure the bracket to the top of the cabinet, there is an additional longer slot next to it that can be used to secure the bracket instead (it will not line up with any pre-drilled holes in the cabinet)

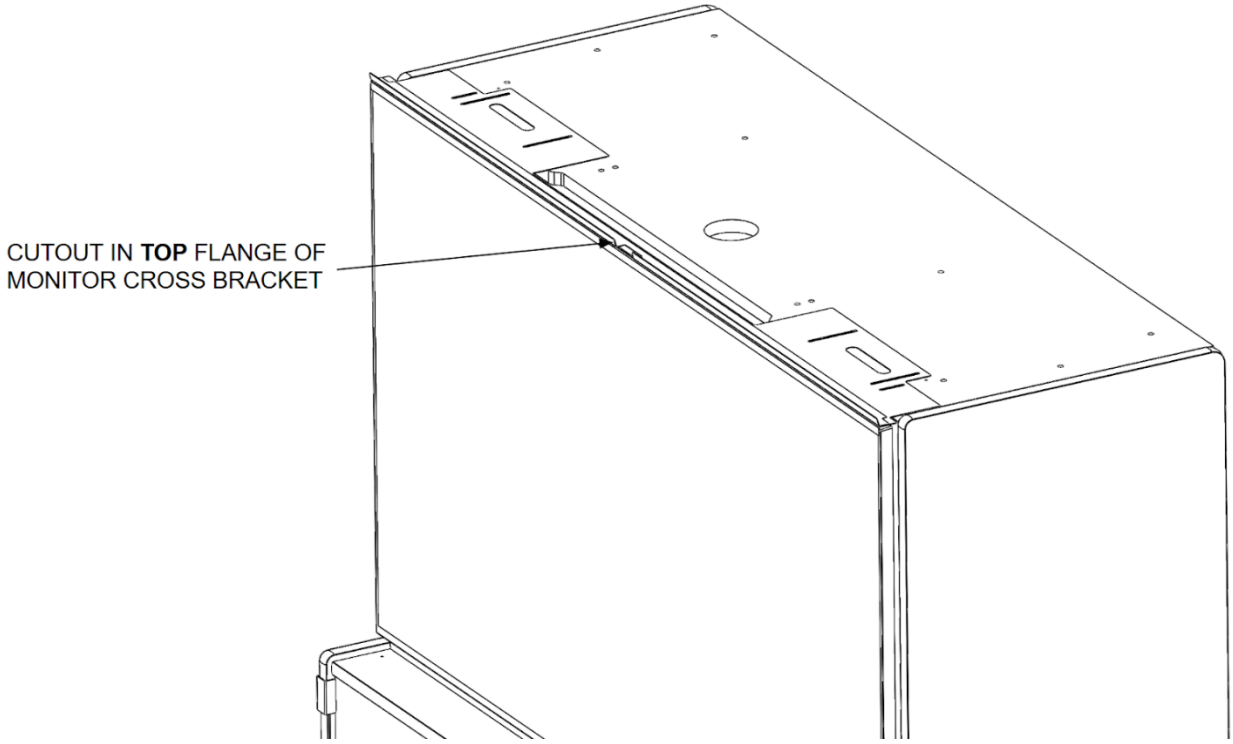


IMAGE 1A- 4

7. Plug the power and display cables into the lower monitor (use HDMI 1)

Install Hanger Brackets on Upper Monitor

1. Unpack the other monitor, stand it upright, and place the upper hook bracket on top and in the center (***IMAGE 2A-1***)
2. Grab the upper VESA bracket, place it against the back and in the center of the monitor, and move it up until the top is about even with the bottom of the hook bracket. If the VESA mounts of the monitor line up with a set of slots in the bracket, that orientation will work for mounting. If not, turn the bracket upside-down. Note which orientation worked and remove the bracket from the back of the monitor (***IMAGE 2A-2***)

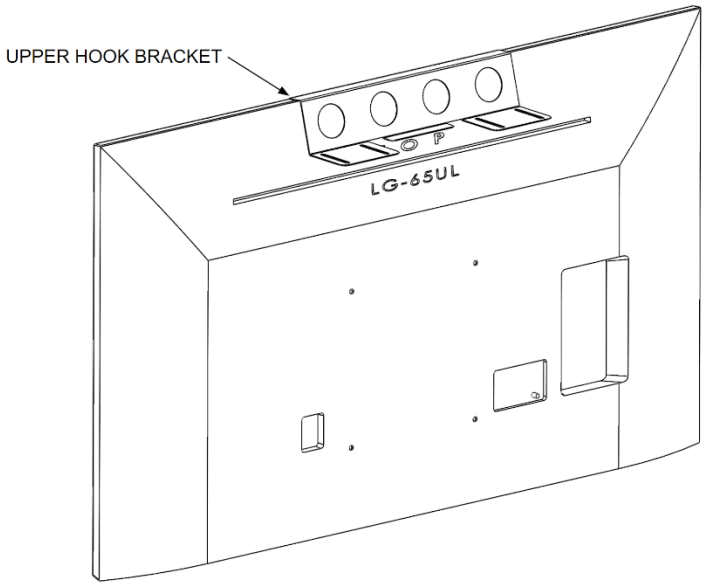


IMAGE 2A- 1

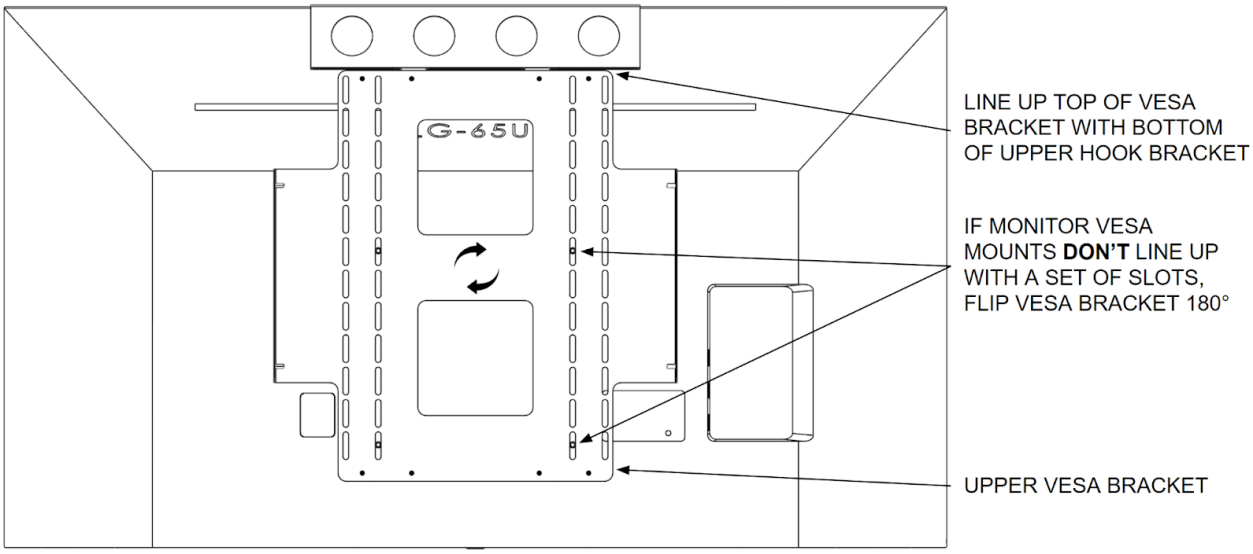


IMAGE 2A- 2

3. Grab the joiner bracket and fasten it to the top of the VESA bracket (the top is dependent on the orientation you determined in the previous step) using (4) ¼-20 nuts plus washers (***IMAGE 2A-3***)
4. Place the two bracket assembly from ***IMAGE 2A-3*** against the back of the monitor and up against the bottom of the hook bracket (PEM studs go through the slots). Fasten them to the hook bracket using (4) ¼-20 nuts plus washers, making sure to push the VESA bracket against the back of the monitor as you do so (***IMAGE 2A-4***)
5. The game includes a kit of assorted hardware. Determine the appropriate hardware for your monitor and secure it to the upper VESA bracket (should be the same hardware used for the lower monitor). Make sure that the hook bracket is not floating above the monitor after you've secured the bracket assembly to the monitor

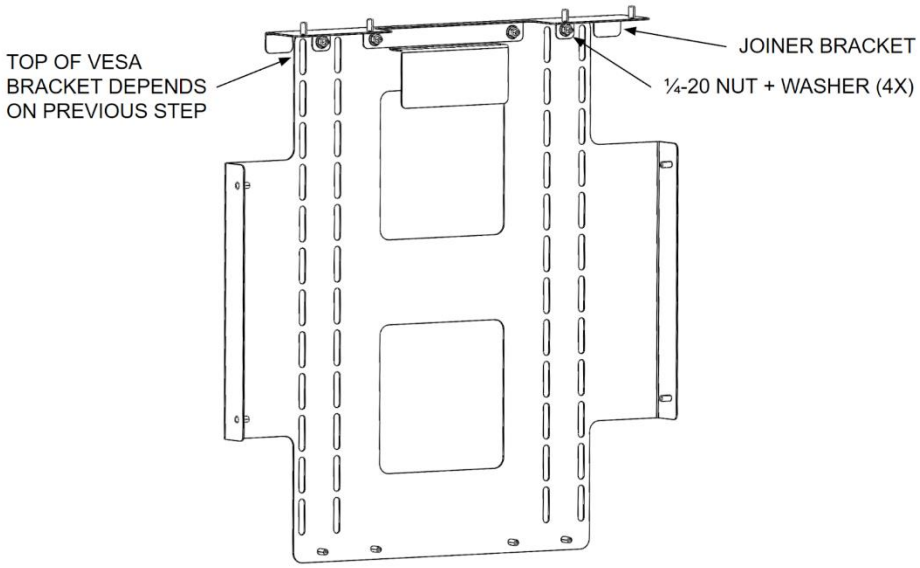


IMAGE 2A- 3

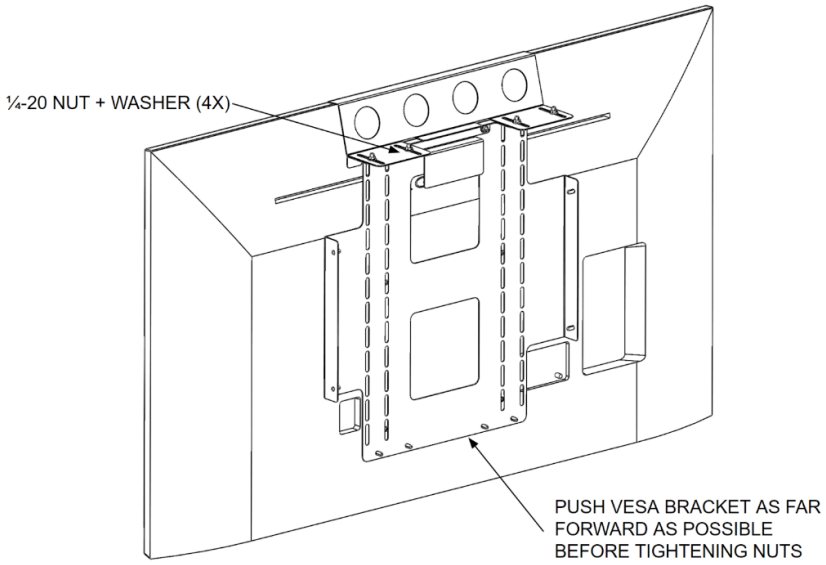


IMAGE 2A- 4

Install Upper Monitor on Mounting Bracket

1. Set up ladders next to the game. Remove the top monitor mounting bracket from inside the upper compartment of the cabinet and remove the rear cover plate attached to it (set the hardware aside). Then have two people use the ladders to install the top monitor mounting bracket on top of the cabinet using (4) ¼-20 x 1" screws plus washers and lock washers. Don't tighten the screws all the way

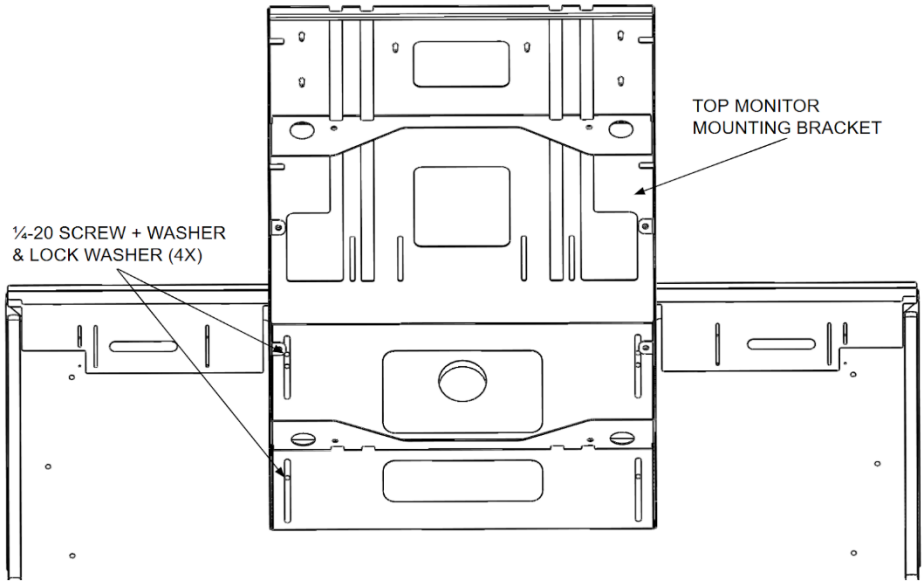


IMAGE 3A- 1

2. Now have two people use the ladders to install the upper monitor. Lift the monitor so that the hook of the joiner bracket is above the mounting bracket. Push the monitor against the mounting bracket, making sure to insert the VESA bracket PEM studs into the slots of the mounting bracket

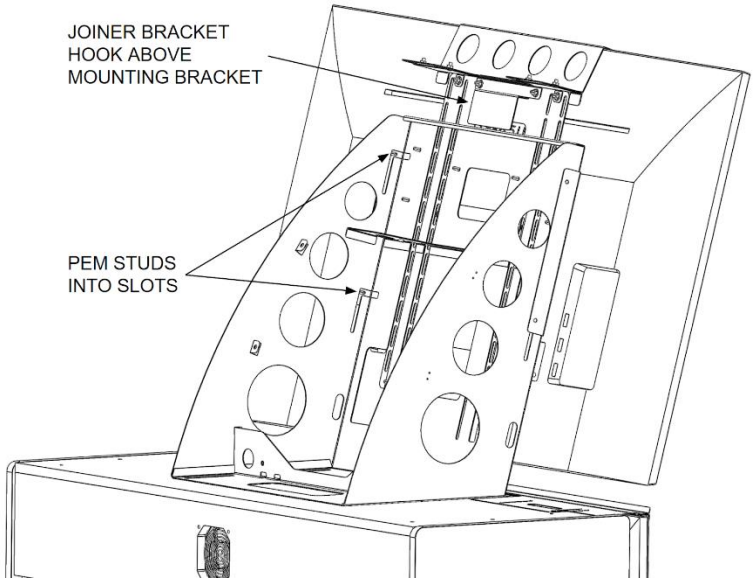


IMAGE 3A- 2

3. Slide the monitor down until it rests on the cross bracket, then push the mounting bracket forward until the front of the monitor is flush with the top flange of the cross bracket. You might have to slightly lift the monitor up as you move it forward (***IMAGE 3A-3***)
4. Add (4) ¼-20 nuts plus washers to the VESA bracket PEM studs to secure the monitor to the mounting bracket. Finally, secure the mounting bracket to the cabinet by tightening the (4) screws that weren't fully tightened when the mounting bracket was initially installed (***IMAGE 3A-4***)

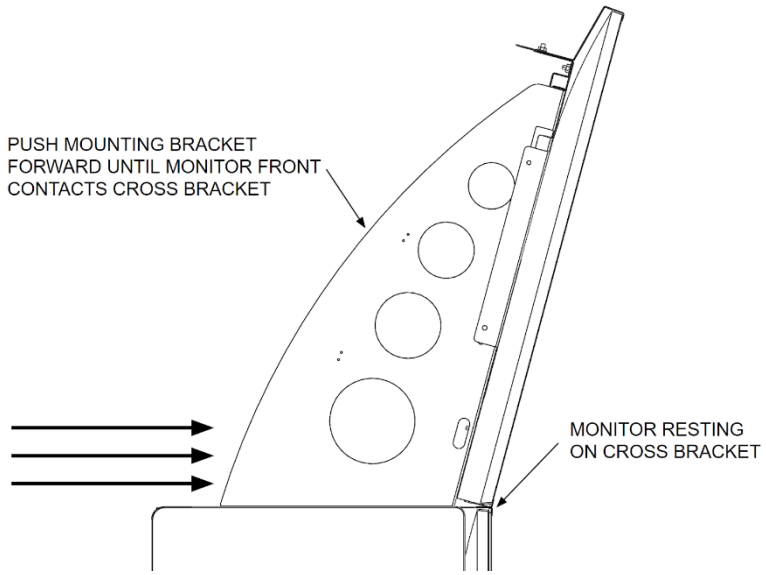


IMAGE 3A- 3

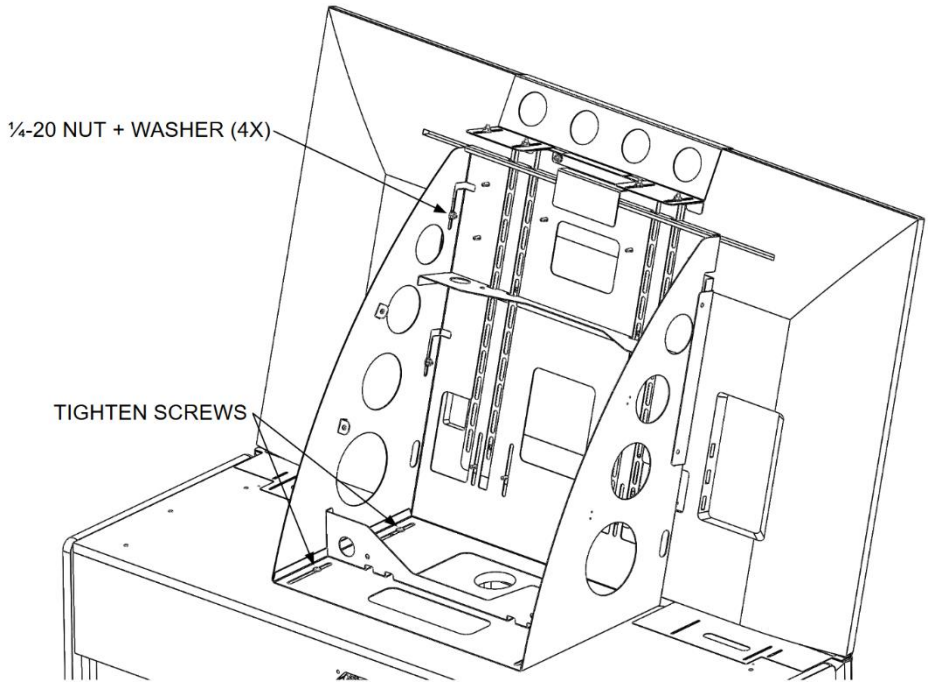


IMAGE 3A- 4

5. Route the monitor's power and display cables (use HDMI 1) through the large hole in the top of the cabinet. Then install the rear cover plate using (2) ¼-20 nuts and (6) ¼-20 screws plus washers

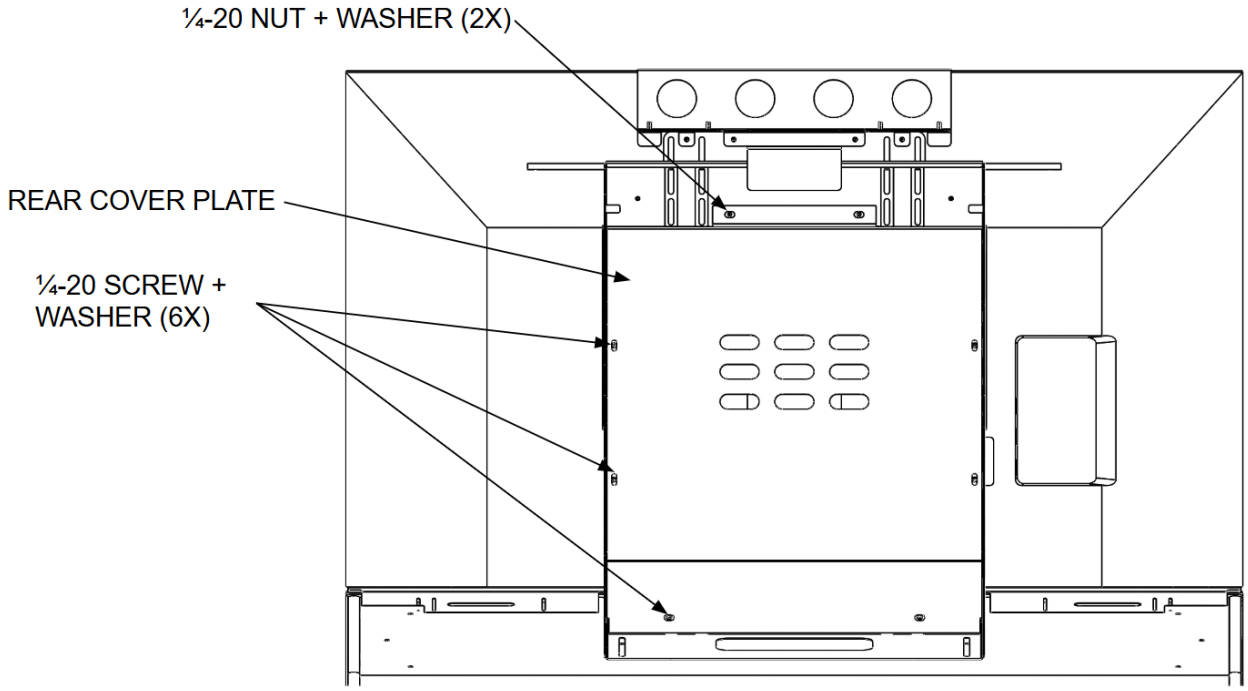


IMAGE 3A- 5

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 main cabinet be moved to or very near its desired operational location before beginning any of the setup tasks (see pg. 50 (Single Game) or pg. 52 (Twin Games) for footprint measurements).*******

Lower Monitor Installation (Samsung QB65B Monitor)

1. Remove the upper and lower back doors from the cabinet.
2. Unpack monitor and use packaging to stand monitor in an upright position on the floor.
3. Insert the (4) spacers (*fig.* a DETAIL A below) included with the monitor mounting kit into the (4) mounting holes on the back of the monitor. ***These spacers must be used to maintain a proper air space and keep the monitor from overheating.***
4. Set monitor up onto cabinet ledge, line up with mounting slots in cabinet and hold monitor to face of cabinet as shown (*fig. a* below).
5. Use (4) 8Mx65MM screws (*fig.* a DETAIL A below), with (1) washer on each screw to secure monitor. Do not tighten screws until final setup is completed, minor adjustments may be required if setting up multiple linked games.
6. Plug AC cord into AC socket and install the HDMI-DVI cable into HDMI 1 at rear of monitor and the DVI port on the graphics card at rear of PC.
7. Set the upper/lower monitor cross bracket on top of the cabinet with channel capturing the top of the lower monitor and secure using (4) #8 wood screws (*fig. a* below).

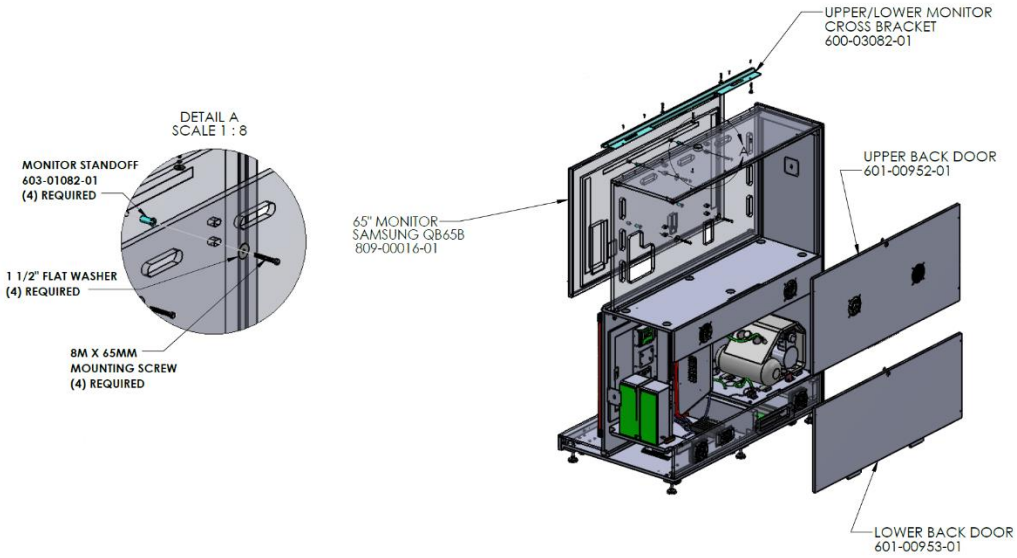


fig. a

Lower Monitor Installation for US Domestic Games (Samsung BE65T)

1. Remove upper and lower back doors from the main cabinet.
2. Unpack monitor and use packaging to stand monitor in upright position on the floor.
3. Set monitor on the ledge of the main cabinet, line up with mounting slots in cabinet and hold the monitor to the mounting surface.
4. Use (4) 8mx45mm screws with (1) washer on each screw to secure the monitor. Check to make sure the monitor is centered on the cabinet from side to side and tighten the monitor screws securely without over tightening. NOTE-DO NOT USE 65MM SCREWS WITH STANDOFFS FOR THE BE65T-H SAMSUNG MONITOR.
5. Plug AC cord into AC socket and install the HDMI-DVI cable into the HDMI 1 port on the rear of the monitor and the DVI port on the graphics card at the rear of the PC.
6. Set the 600-03082-01/Monitor cross bracket on top of the cabinet with the flange capturing the front top edge of the monitor and secure it using (4) #8 wood screws.

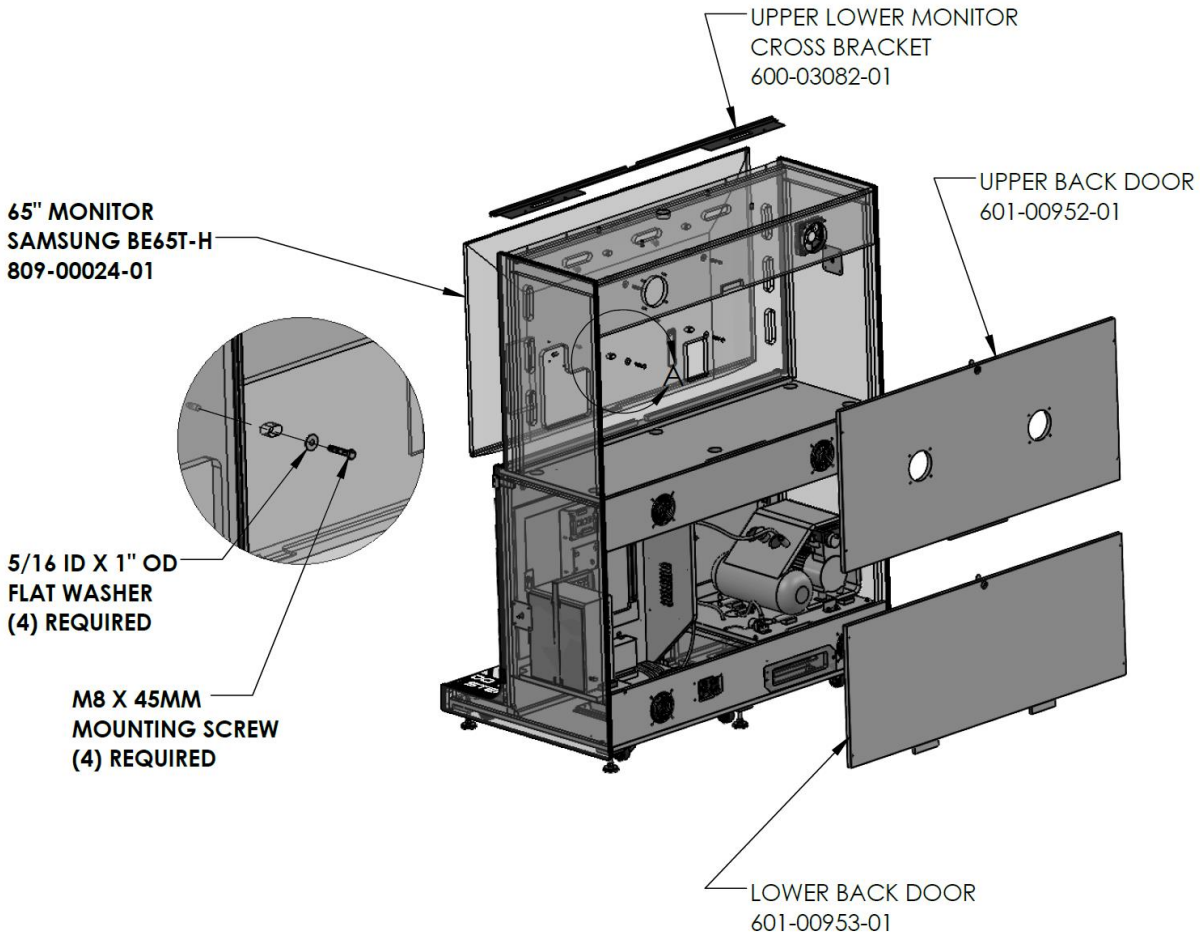


fig. b

Top Monitor Mounting Bracket Installation

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 strongly recommended that the game NOT be moved with the monitor installed in the operational (upright) position.

7. Set top monitor mounting bracket in position on top of the main cabinet, align 2” hole and (4) slots in bracket with the holes in the top of the cabinet. Hold in place while finger tightening (4) ¼-20 x 1” screw, lock and flat washer into holes in top of cabinet (*fig. c* Detail B below).
8. Securely tighten after all assembly is complete.

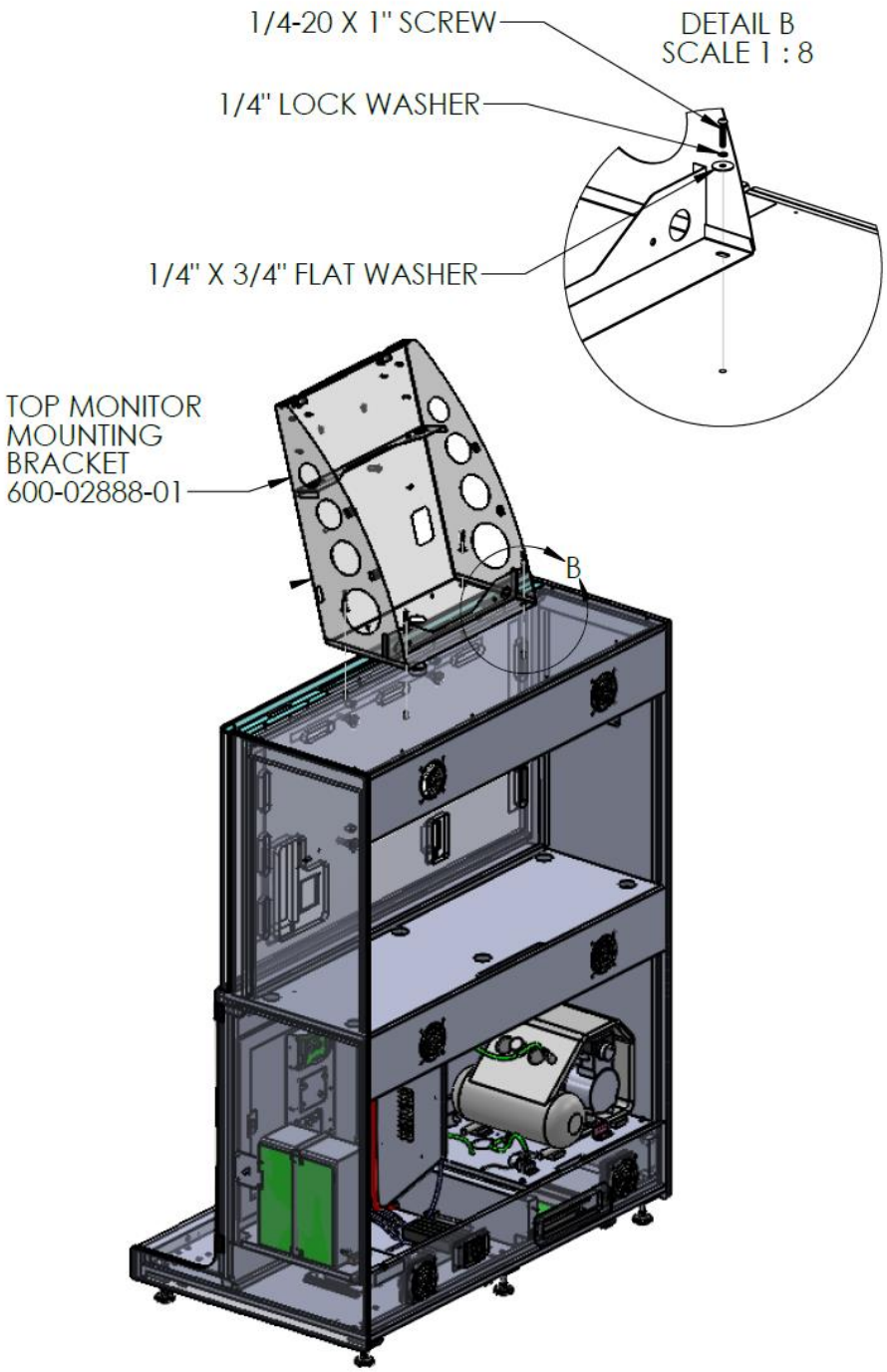


fig. c

Top Monitor Hanger Bracket Installation (Samsung QB65B Monitor)

1. Unpack remaining monitor and lay face down on a soft surface.
2. Install the standoff spacers into the (4) mounting holes in the back of the monitor (*fig. d* below).
3. Set hanger bracket in the position shown so the top mounting holes line up with the upper standoffs (*fig. d* below).
4. Insert (2) 8Mx50MM screws, flat and lock washer (*fig c* below) and tighten hanger bracket to monitor securely. ***DO NOT OVERTIGHTEN***

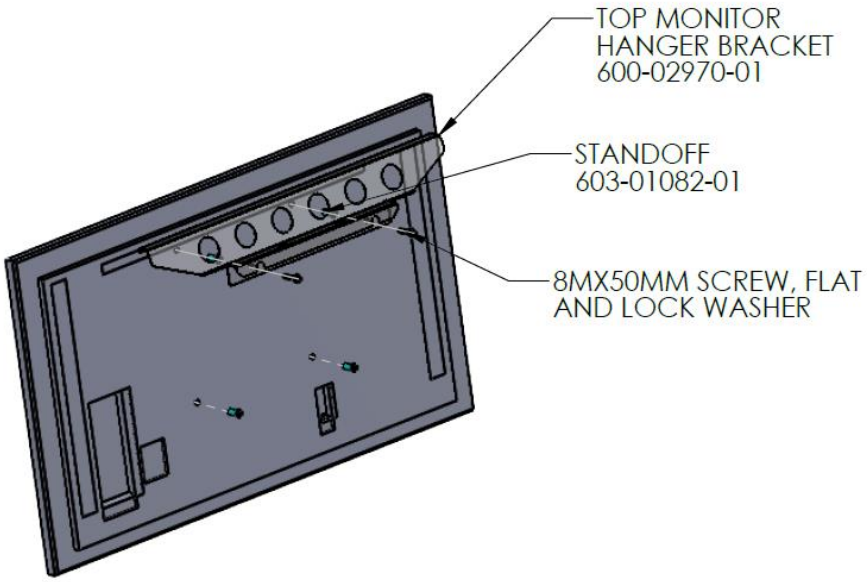


fig. d

Completed Assembly

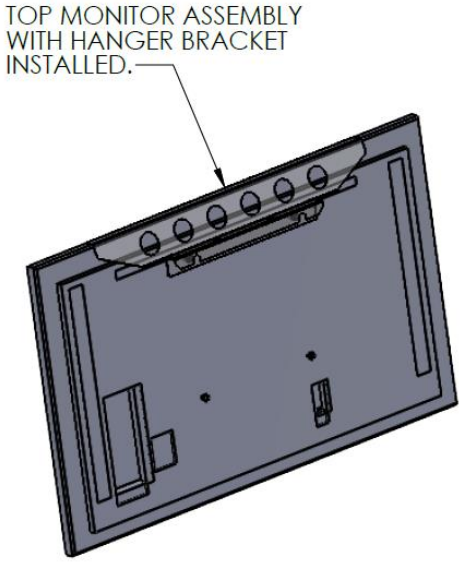


fig. e

Top Monitor Hanger Bracket Installation (Samsung BE65T Monitor)

1. Install extension plate to hanger bracket using two ¼-20 x ½" hex head bolts with lock and flat washers (*fig. f* below)
2. Install the completed hanger assembly to the monitor as shown (with front edge capturing the top of the monitor) using two 8M x 25mm bolts with flat washers (*fig. g* below)
3. The monitor is now ready to be hung on the top bracket (*next page*).

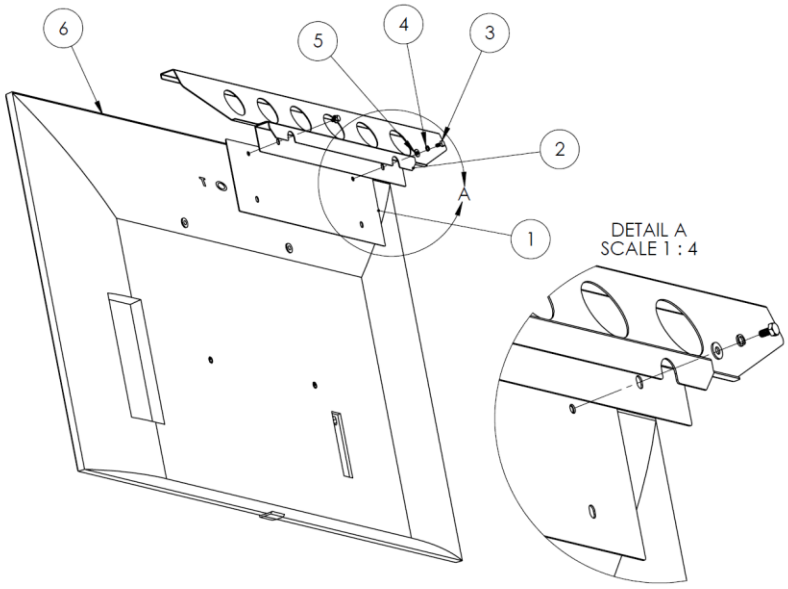


fig. f

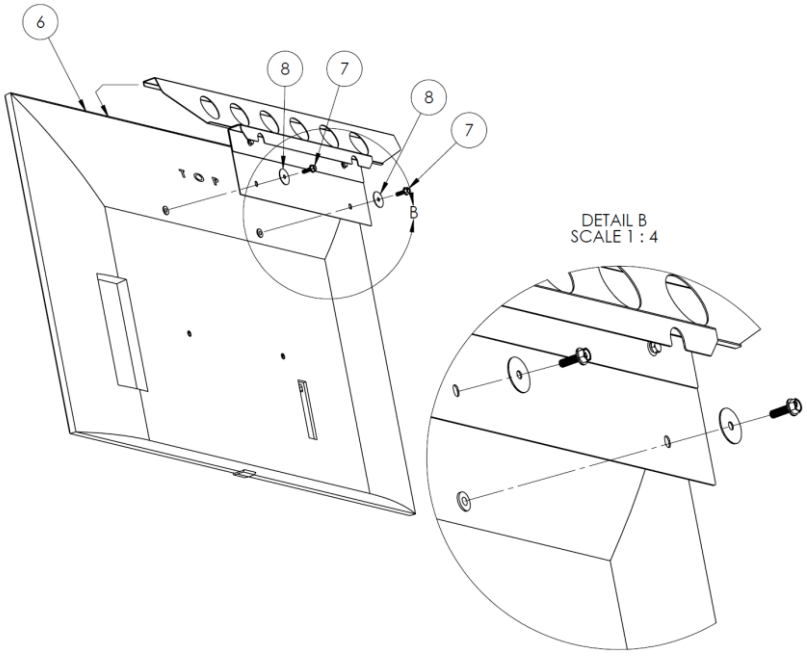


fig. g

Top Monitor Assembly Installation

1. Using (2) people, hang the top monitor hanger over the top mounting bracket and lower the bottom of the monitor into the channel below (*fig. h* below).
2. Install the lower (2) standoff spacers into the lower holes in the back of the monitor (*fig. h* below).
3. Install (2) remaining 8Mx50MM screws, flat and lock washer (*fig. h* below) and tighten monitor to bracket securely. ***DO NOT OVERTIGHTEN***
4. ***IMPORTANT STEP*** Install (2) ¼-20x1" screws, flat and lock washers (*fig. h* below) to the top of the bracket to secure the upper monitor assembly.

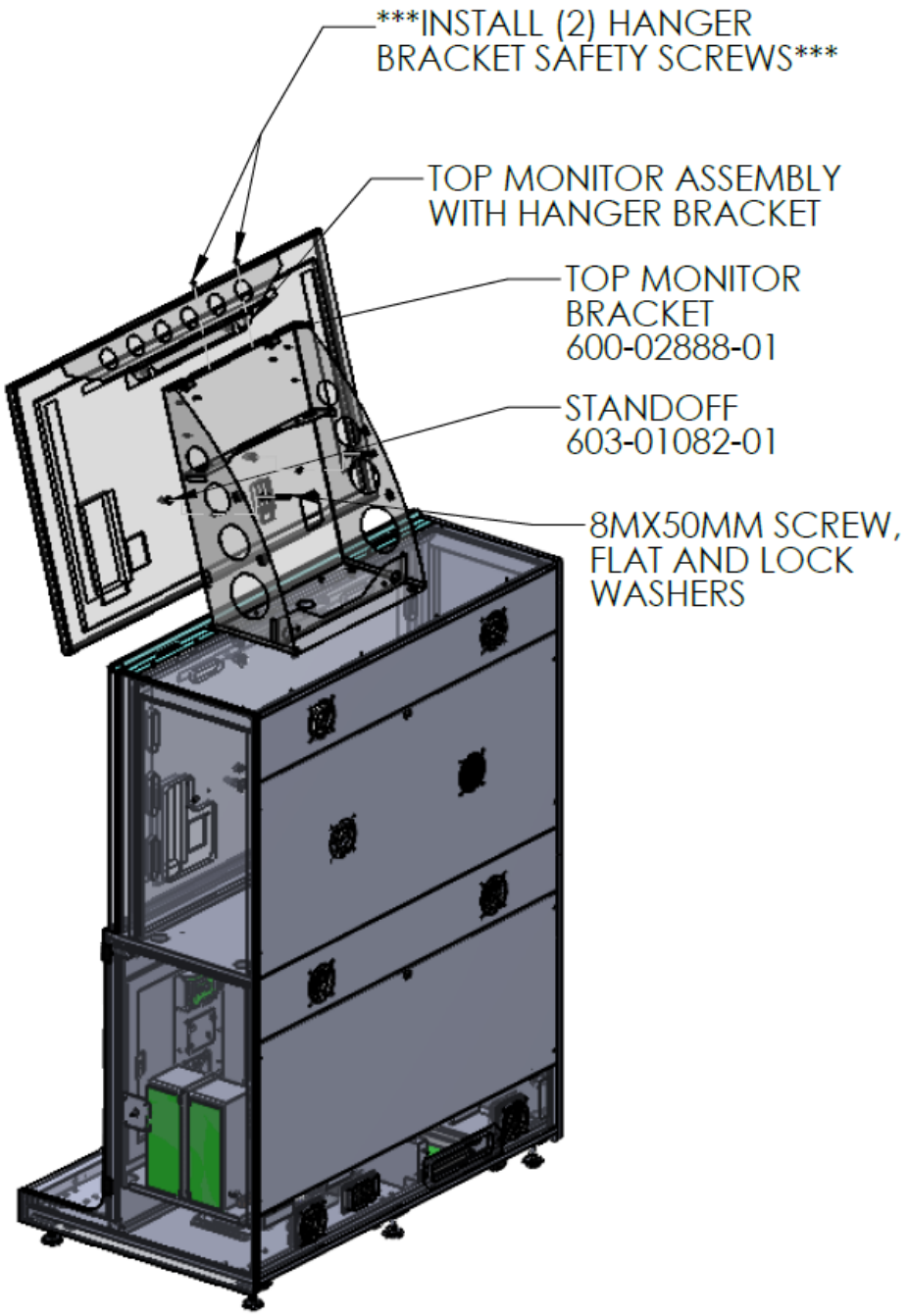


fig. h

HDMI/AC Cables and Monitor Rear Cover Plate Installation

1. Plug AC cord into AC socket on the rear of top monitor and feed AC cable down through the 2" center hole in top of cabinet (*fig. i* below).
2. Install HDMI cable to top monitor in HDMI 1 and feed through side slot and center hole in cabinet top (*fig. f* below). Connect to the HDMI port on the video card at rear of PC.
3. Install the rear cover plate with ¼-20 x ½ screws, and flat washers provided (*fig. i* Detail C below).

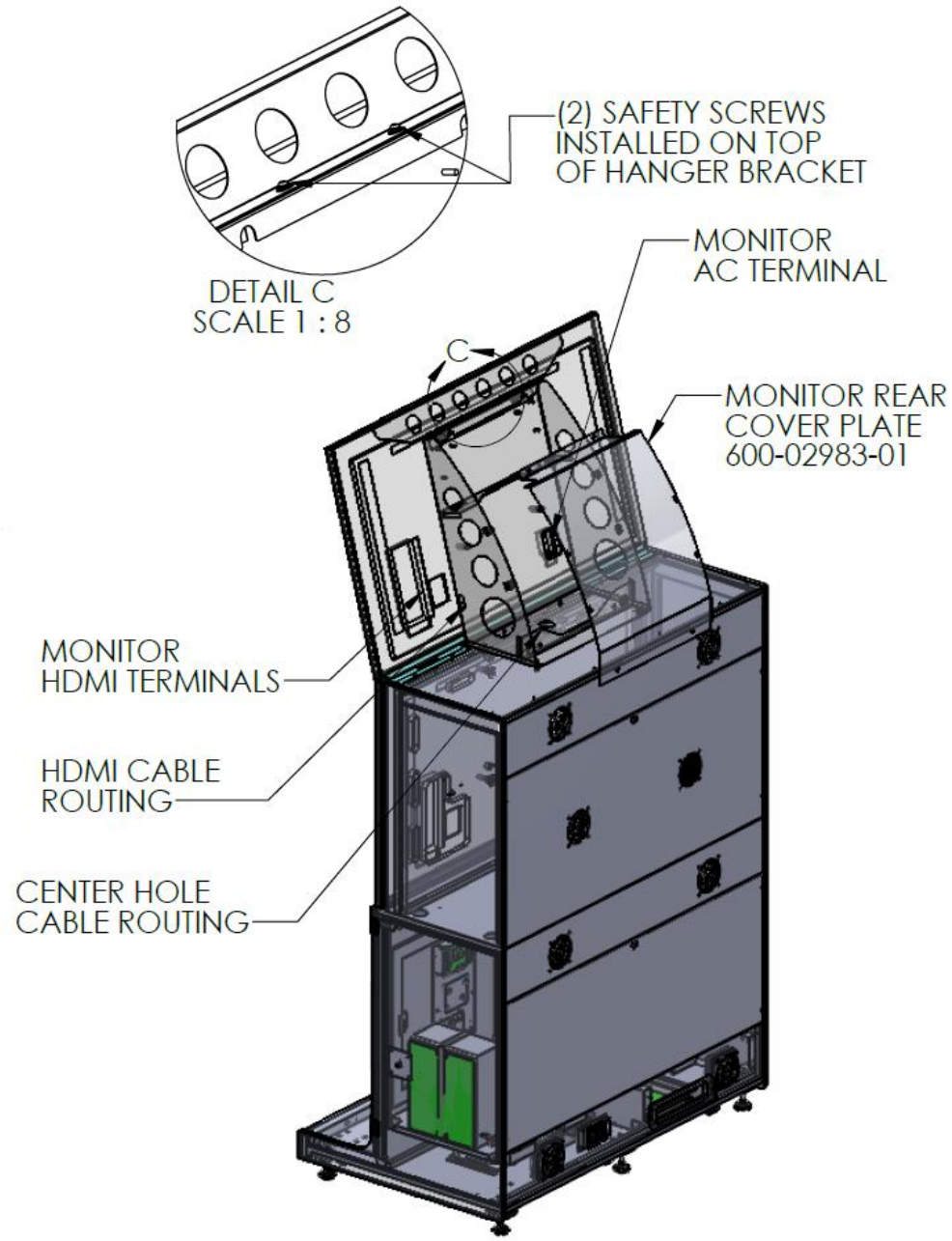


fig. i

Cabinet Joiner Bracket Installation

1. Install the joiner bracket to main cabinet with (4) ¼-20 x 2” screws, flat and lock washers. (*fig. j* Detail D below).
2. Set the cover plate to the side, it is not needed at this time.

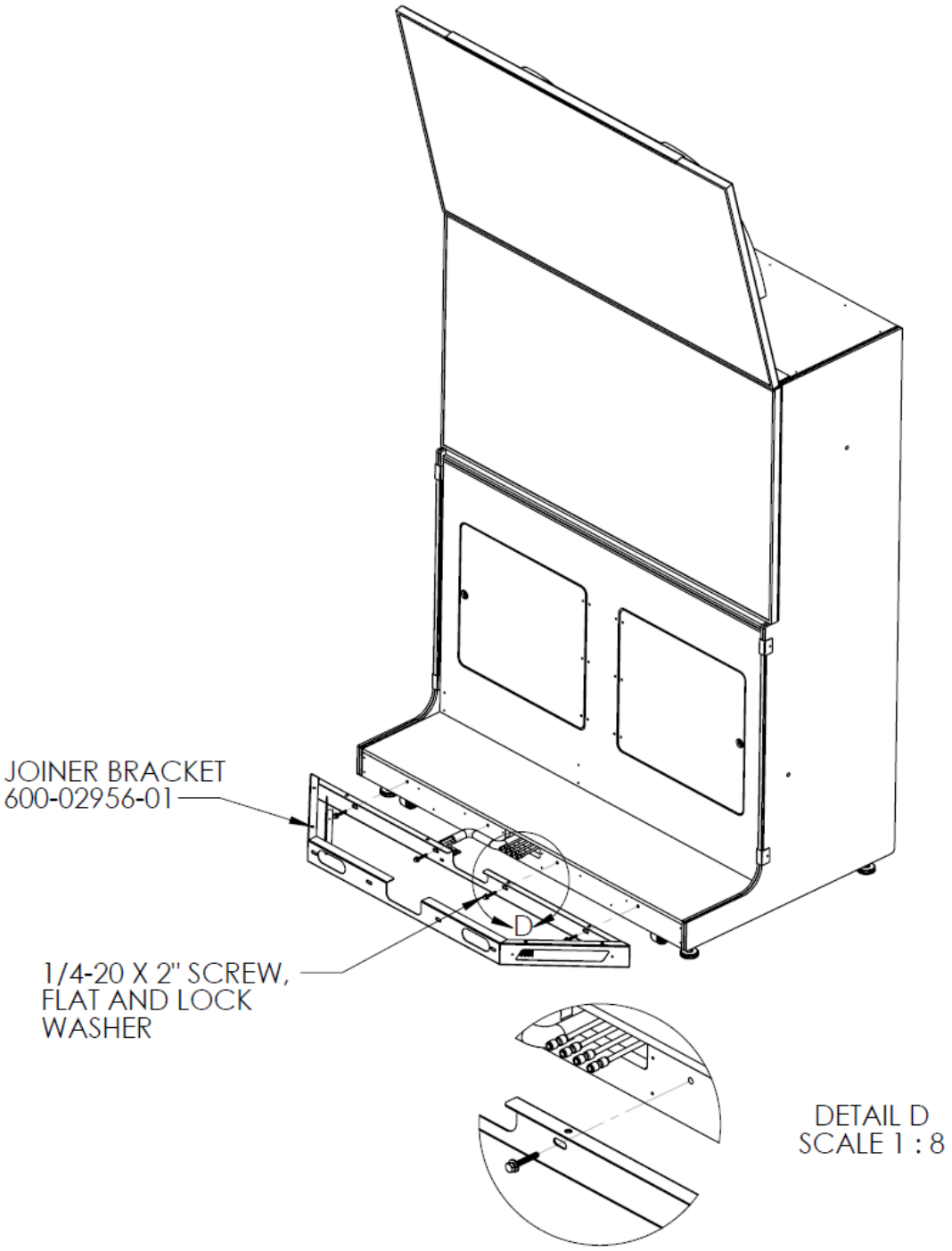


fig. j

Motion Cabinet Installation

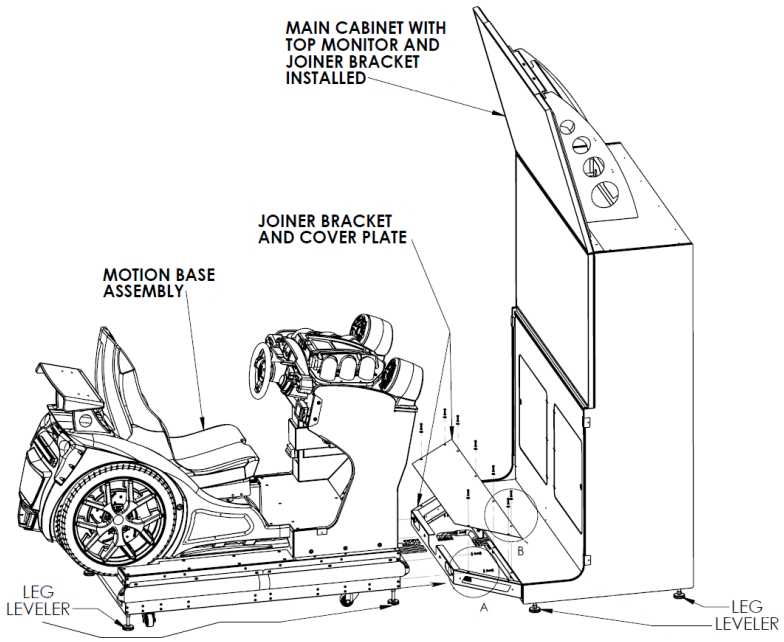


fig. k

1. Push motion base assembly flush with the joiner bracket (*fig. k* above).
2. Connect all matching cable and air hose connections inside of the pan of the joiner bracket.
3. Install (4) ¼-20 x 1” screws, flat and lock washers to secure the motion base to the cabinet joiner bracket and main cabinet (*fig. l* Detail A below).
4. With the cabinet in the desired location, set all leg levelers on the cabinet and motion base in the down position (*fig. li* below).
5. Use supplied (8) ¼-20 x ½” screws, lock and flat washers (*fig. l* Detail B below) to secure the cover plate to the joiner bracket.

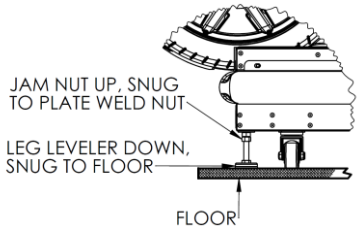


Fig. l

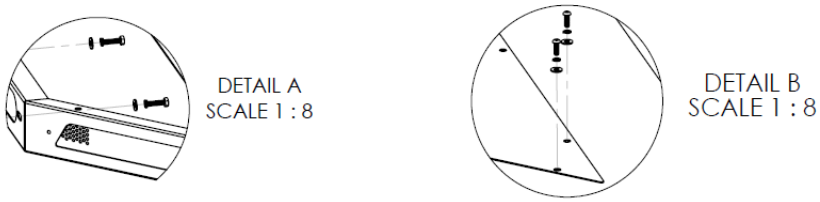


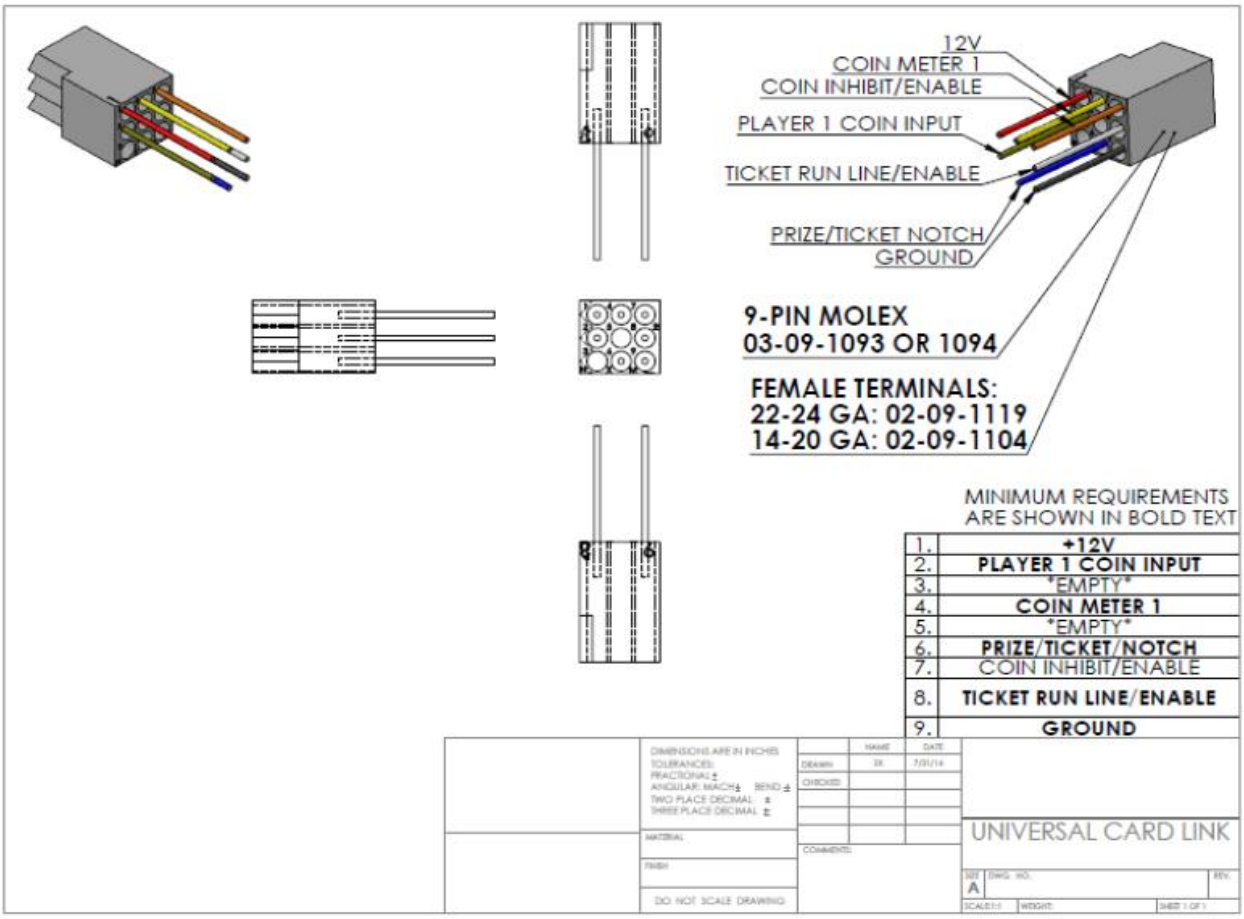
fig.m

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 Fast & Furious Arcade 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 card reader in the pricing adjustments section of the test menu. It is recommended to use 1 card reader for best results and player access.

There is (1) supplied connection, located on the driver cabinet assembly behind the dash plate to the right of the steering wheel. It is recommended that the card reader be mounted to the bottom right corner of the dash, using the provided UCL connector and provided mounting holes. *****See pg. 45 for mounting instructions*****

Check Electrical Settings

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

   *****Recommended: Game on dedicated breaker to prevent capacity overload (20A@120VAC, 10A@230VAC)*****
   *****Recommended: UPS (Uninterruptible Power Supply)*****

Startup Game

1. Plug the two line cords into an AC outlet (**Recommended: plug the line cords into a dedicated breaker to prevent capacity overload (20A@120VAC, 10A@230VAC))**.
2. Turn the main cabinet power switches on (there are two switches, GAME and COMPRESSOR).
3. Calibrate the steering (follow onscreen prompts).
4. Calibrate the gas and brake pedals (follow onscreen prompts)
5. Calibrate the motion platform (follow onscreen prompts)
6. Calibrate the camera (follow onscreen prompts).
   *****MACHINE IS NOT OPERATIONAL WITHOUT FIRST CALIBRATING THE HARDWARE*****
7. 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.
8. Complete the monitor setup for both monitors (next page).

*****IMPORTANT*****

PLEASE FOLLOW INSTRUCTIONS TO SET UP MONITORS

SAMSUNG MONITOR SETTINGS

Model #QB65B

STEP 1: Verify game is connected to monitor in HDMI IN 1 at rear of both monitors (top monitor connects to HDMI port on video card at rear of PC, bottom monitor connects to DVI port on video card at rear of PC).

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

1. Installation Type: Basic Setup
2. Language: English (Select “Hello”)
3. Wireless Connection: SKIP <right arrow>
4. Display Orientation: Landscape
5. PlayVia: Magicinfo: SKIP
6. Connection to Magicinfo server: SKIP
7. Set Date/Time
8. Set PIN: Save the PIN in a secure place as this will be needed in STEP 5 (below)
9. Select Done

STEP 3: Press the “SOURCE” button on the remote. Navigate to “HDMI 1.”

STEP 4: Press “MENU” on the remote to enter the settings menu.

STEP 5: Verify the settings below, navigating with the remote:

- SYSTEM
    - POWER CONTROL
        - AUTO POWER ON: ON
        - MAX POWER SAVING: OFF
        - STANDBY CONTROL: OFF
        - POWER BUTTON: POWER ON ONLY
    - AUTO SOURCE SWITCHING
        - AUTO SOURCE SWITCHING: OFF
    - SECURITY – Enter PIN from STEP 2.8 (above)
        - BUTTON LOCK: ON

*****IMPORTANT*****

PLEASE FOLLOW INSTRUCTIONS TO SET UP MONITORS

SAMSUNG MONITOR SETTINGS

Model #BE65T

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.

10. Language => [x] English
11. Connection Guide => NEXT
12. Installation Type => [x] Basic Setup
13. Wireless Connection => SKIP <right arrow>
14. Select Your TV Source => I don't receive a broadcast signal

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.

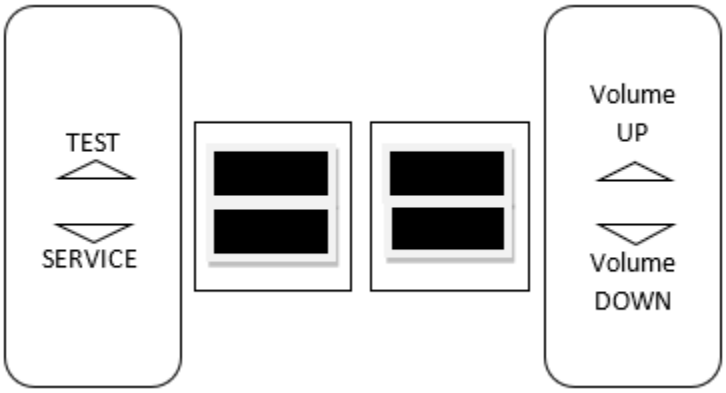
STEP 6: Verify the settings below, navigating with the remote:

- GENERAL
    - EXTERNAL DEVICE MANAGER
        - GAME MODE: ON
        - HDMI BLACK LEVEL: NORMAL
    - ECO SOLUTION
        - POWER SAVING MODE: OFF (default)
        - AUTO POWER OFF: OFF (default)

Diagnostic and Adjustments

The Service Button Panel has four buttons, three of which can navigate the menu system.

The control panel buttons can also advance through test menu screens.



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/Tunes Button	Move Up
VOLUME DOWN/View Button	Move Down
Start Buttons	Selects Highlighted Option
Stop Motion Button	Return to Previous Screen

When in the Pricing Menu, an on-screen message acknowledges changes or when you exit a selection without making a change.

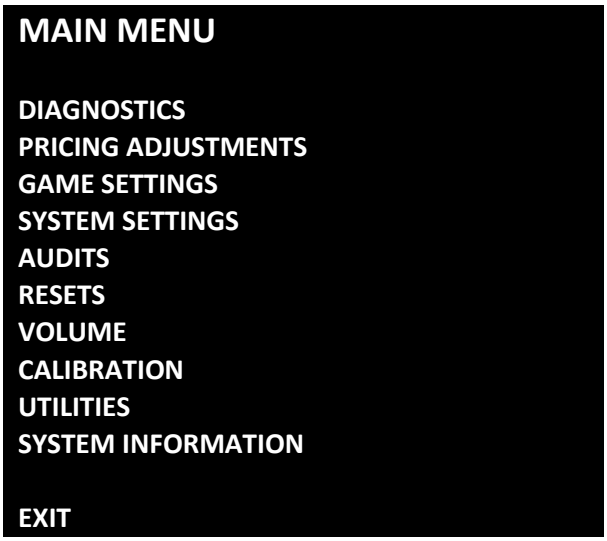
Basic Functional Test on Initial Power Up

1. Enter the Input Test and verify all switch inputs are working.
2. Enter the Monitor Test and verify the monitor is working properly.
3. Enter the Sound Test and verify the audio works and is not distorted.
4. Enter the Light Test and verify that all the lights are working properly.
5. Enter the Coin Meter Test and verify the coin meter is working properly.
6. Enter the Watchdog Test and verify the game reboots.
7. Upon a successful reboot, you are ready to adjust pricing, volume and other functions.

Test Menus

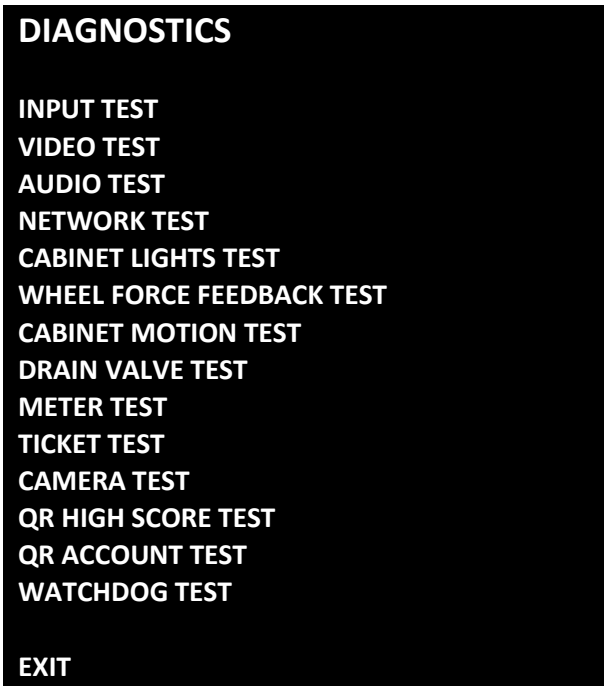
Main Menu

Choose from all available operator settings and menus here. You can use the test menu bracket and volume buttons to navigate. The View/Tunes buttons also are available to use for easier navigation through these menus.



Diagnostics

Verify or diagnose the operations of all game functions.



- **Input Test**: Test input hardware such as switches.
- **Video Test**: Checks color pattern of monitors.
- **Audio Test**: Test audio using 100Hz and 1000Hz.
- **Network Test**: Test the connectivity between linked games.
- **Cabinet Lights Test**: Tests all LED cabinet lighting together and individually.
- **Wheel Force Feedback Test**: Test steering wheel force feedback.
- **Cabinet Motion Test**: Test the functionality of the motion platform.
- **Drain Valve Test**: Test the drain valve.
- **Meter Test**: Test the functionality of the mechanical coin meter inside the cabinet.
- **Ticket Test**: Test the functionality of the ticket mech.
- **Camera Test**: Test the functionality of the camera.
- **QR High Score Test**: Test the functionality of the QR high score code.
- **QR Account Test**: Test the functionality of the QR system.
- **Watchdog Test**: Test the functionality of the Watchdog (if successful the cabinet will power off and reboot).

Pricing Adjustments (Cash)

Set pricing and payout adjustments for game operation.



- **Freeplay**: Turn free play mode on or off.
- **Currency Input**: Change the currency input.
- **Currency Type**: Change the currency type.
- **Coin Value**: Change the money value of the coin.
- **Coins to Play**: Adjust the amount of coins to start a game.
- **Coins to Continue**: Adjust the amount of coins to continue a game.
- **Coins to Upgrade**: Adjust the amount of coins to upgrade the player's car before the start of the race.
- **Max Credits**: Adjust the maximum number of credits.
- **Bonus Pricing**: Turn on (default off) to allow players to pay for multiple races at a discount.
- **E Ticket Mode**: N/A for cash settings.

Pricing Adjustments (Tokens)

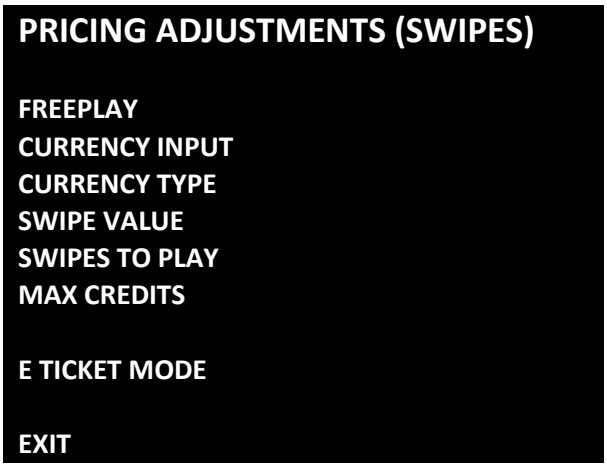
Set pricing and payout adjustments for game operation.



- **Freeplay**: Turn free play mode on or off.
- **Currency Input**: Change the currency input.
- **Currency Type**: Change the currency type.
- **Token Value**: Change the money value of the token.
- **Tokens to Play**: Adjust the amount of tokens to start a game.
- **Tokens to Continue**: Adjust the amount of tokens to continue a game.
- **Tokens to Upgrade**: Adjust the amount of tokens to upgrade the players car before the start of the race.
- **Max Credits**: Adjust the maximum number of credits.
- **Bonus Pricing**: Turn on (default off) to allow players to pay for multiple races at a discount.
- **E Ticket Mode**: N/A for cash settings.

Pricing Adjustments (Swipes)

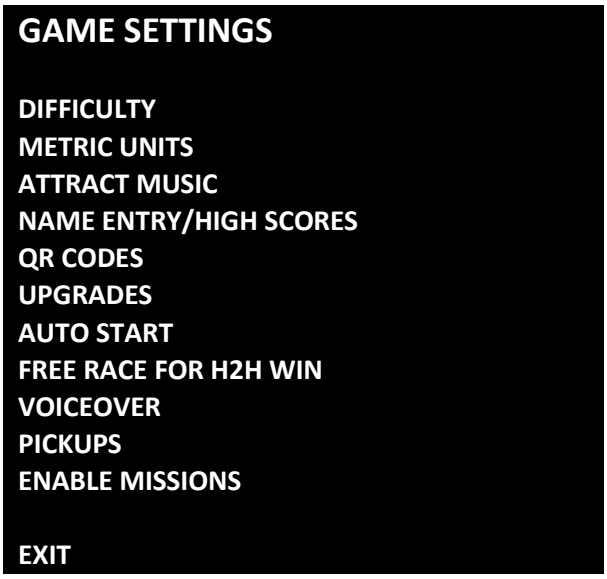
Set pricing and payout adjustments for game operation.



- **Freeplay**: Turn free play mode on or off.
- **Currency Input**: Change the currency input.
- **Currency Type**: Change the currency type.
- **Swipe Value**: Money value of the swipe.
- **Swipes to Play**: Adjust the amount of swipes to start a game.
- **Max Credits**: Adjust the maximum number of credits.
- **E Ticket Mode**: Turn E Tickets on or off (default off).

Game Settings

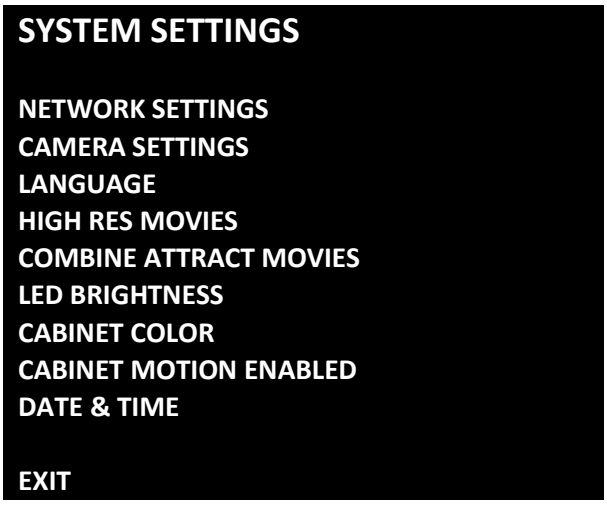
Adjust game settings for operation.



- **Difficulty**: Adjust the game difficulty.
- **Metric Units**: Use metric units like KPH and meters.
- **Attract Music**: How often should music play in attract mode.
- **Name Entry/High Scores**: Turn on or off (default on). When on, players may enter their name and show high scores after finishing a race.
- **QR Codes**: Turn on or off (default off). When on, the venue and location must be set. This allows players to scan a QR code after race to share their high scores on social media sites. Additionally, this enables QR player login during car select or track select, so the player can view their achievements online, along with saving their QR login info.
- **Upgrades**: Turn on or off (default on). When on, this allows the players to purchase upgrades before the start of a race.
- **Auto Start**: Start the game when player inserts credits.
- **Free Race for H2H Win**: Turn on or off (default off). When on, the winner of a head to head race against another player will receive a free race.
- **Voiceover**: Enable/disable voiceovers during a race and in the menus.
- **Pickups**: Enable/disable pickups. This includes nitro and electric pickups.
- **Enable Missions**: Enable missions gameplay or make game just a race only.

System Settings

This menu allows for customization of various system settings.



- **Network Settings**: Turn on for linked games (leave off if operating a single game). **The cabinets must be numbered in order from left to right. This ensures gameplay elements display correctly.**
- **Camera Settings**: Change settings for photo camera (on or off).
- **Language**: Set in-game language.
- **High Res Movies**: Play highest resolution movies possible. Turn off if you experience stuttering.
- **Combine Attract Movies**: Combine attract movie screens across networked games.
- **LED Brightness**: Adjust the brightness of the cabinet LED lights.
- **Cabinet Color**: Specify the color of the cabinet plastics.
- **Cabinet Motion Enabled**: Enable motion springs
- **Date & Time**: Use to set the date and time.

Audits

Audit screen helps assess game performance, find intermittent problems, decide whether to adjust game difficulty and help maximize game earnings.

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

Resets Menu

Resets menu allows for the resetting of various machine settings and audits.



- **Reset Credits**: Reset credits to zero (0).
- **Reset Tickets**: Clears out all tickets owed on the game.
- **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 default factory settings.

Volume

Volume adjustments.



- **Game Volume**: Adjust the volume during gameplay (from 0 to 20).
- **Attract Volume**: Adjust the volume during the attract mode sequences (from 0 to 20).
- **Credit Volume**: Adjust the volume of the credit chime (from 0 to 20).

Calibration

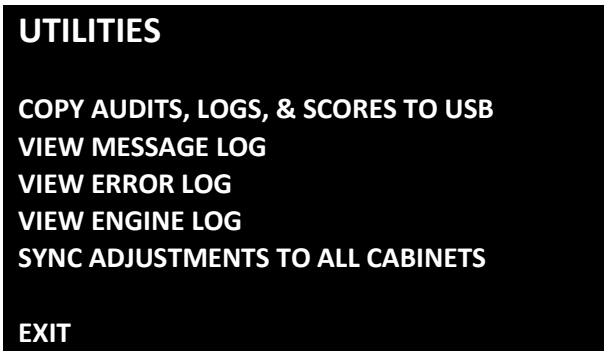
Calibration of hardware.



- **Input Calibration**: Calibrate the input POTS such as steering.
- **Motion Calibration**: Calibrate cabinet motion.
- **Camera Calibration**: Calibrate camera orientation.

Utilities

Miscellaneous operator tools.



- **Copy audits, logs, & scores to USB**: Copy all audits and diagnostics to USB drive.
- **View Message Log**: Examine logged messages from the game.
- **View Error Log**: Examine error messages from the game.
- **View Engine Log**: Examine game engine messages.
- **Sync Adjustments to All Cabinets**: Sync all game, pricing, and volume settings with all networked games.

System Information

This screen allows you to see various information about the software and hardware.

- Serial Number
- Software Revision
- Build Date
- RIO PCB
- RIO Firmware
- Dongle Version
- Cabinet Type
- Game Template

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, or the payout will be incorrect. **THIS SETTING IS EXTREMELY IMPORTANT**! (Example: If the card swipe is worth $1.50 in your card system, set the swipe value to $1.50 as well).

Coin/Token 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 Fast and Furious Arcade.
     b. After setting the coins per play, set "Coin Value" to the currency equivalent of your coin, or the payout will be incorrect. **THIS SETTING IS EXTREMELY IMPORTANT**! (Example: If your coin is worth $0.25, set "Coin Value" to $0.25 as well).

PC Hardware

Your *Fast & Furious Arcade* game uses a **Lenovo M70t Desktop PC.**



(*above: Lenovo M70t Desktop PC*)

NOTICE

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:

Computer

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 reinstall the software (the game ships with (1) USB drive which is used in the steps below):

(USB Thumb Drive is used on the *Lenovo M70t*)

*****ATTENTION: An approved "Business Account" on rawthrills.com is required to complete software installation. Please complete account activation before installing software!*****

*****See website for details: https://rawthrills.com/raw-web/login*****

1. With game and PC on, verify that the RIO2 board has power. If not, see Troubleshooting.
2. Open the upper back door of the cabinet.
3. Insert the recovery USB thumb drive (included in your game) into an open USB port on the PC.
4. Turn cabinet power switch to OFF. Wait 30 seconds.
5. Turn cabinet power switch to ON. Wait for install menu to load.
6. Once the install menu has loaded, press the Test button on the service bracket to select the installation program and then press the Test button to confirm that you want to continue with the installation.
7. Follow on screen instructions to begin recovery.
8. If recovery does not begin, check to ensure USB Drive is inserted correctly and is not damaged.
9. Initial software loading may take several minutes. Check progress periodically.
   Do not interrupt power or reset the game during recovery.
10. When software has been loaded, a message indicates that restore is complete. When instructed to remove USB Drive, wait 15 seconds then remove the drive from the PC.
11. Turn cabinet power switch off. Wait 30 seconds. Turn the cabinet on again.
12.  Scan the QR code to the left or click here (if viewing on electronic device) for instructions on completing setup.

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.
No motion during gameplay.	Compressor height sensors are not calibrated.	Calibrate the motion platform height sensors (see Calibration in the Test Menu section).
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.

Problem	Possible Cause	Solution
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.
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 HDMI connector(s) to Monitor(s). Check and secure DVI or HDMI connector(s) 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.

Problem	Possible Cause	Solution
Coin meter does not click during test.	No pulse to meter.	Check wiring from meter to PCB board.
	Faulty meter.	Replace coin meter.
	Blown fuse(s) on PCB	Replace 12vdc 5A fuse(s) on PCB.
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.
Onscreen message: "Version Mismatch" appears after reinstalling/updating software	One or more cabinets is running a different version of software.	Enter test menu on each cabinet. Check the version number in the top left corner. Using the USB drive that came with your game (or a USB drive from your distributor) install latest version to any mismatched cabinets (***see pg. 37 for installation procedure***). Once installation is complete, power cycle all cabinets. The message should disappear.
	Software install/update did not complete correctly.	
Top and bottom monitor images are reversed	Connections at PC are connected to the incorrect ports.	Verify that top monitor HDMI cable is connected to the HDMI port on the video card at rear of PC. Verify that bottom monitor HMDI-DVI cable is connected to the DVI port on video card at rear of PC. If not, swap the cables around and reboot the cabinet.

Problem	Possible Cause	Solution
Linked game monitor displays are not displaying linked attract properly	Cabinets are number incorrectly.	Test menu – System Settings – Network Settings: Verify that the cabinets are numbered from left to right in numerical order.

Technical Support

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

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

All Raw Thrills assembly and service videos:

rawthrills.com/assembly-and-service-videos/

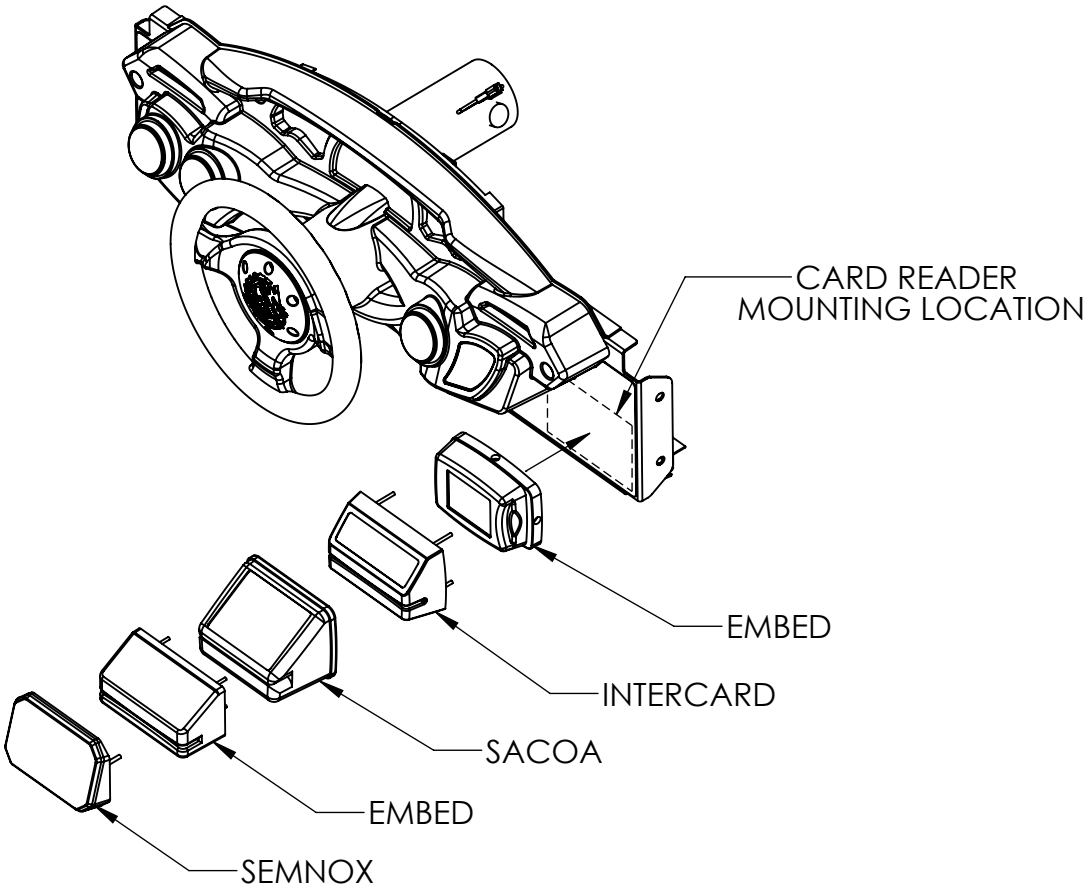
Electrical and Mechanical Illustrations

Pg. 55 – Card Reader Mounting Instructions
Pg. 56 – Samsung BE65T Upper Monitor Assembly Instructions
Pg. 57 – Single Game Operational Dimensions
Pg. 58 – Single Game Assembly Diagram
Pg. 59 – Twin Game Operational Dimensions
Pg. 60 – Twin Game Setup and Marquee Installation Diagram
Pg. 61 – Single Monitor Marquee Installation Instructions
Pg. 62 – Main Cabinet Assembly Diagram
Pg. 63 – Monitor Mounting and Bracket Assembly/Cabinet Joiner Assembly Diagram
Pg. 64 – Air Compressor Assembly and Related Components (USA) 120V Version & (UK, INTL) 230V Version Diagram
Pg. 65 – Air Manifold Assembly/Air Regulator Assembly Diagram
Pg. 66 – I/O and Hardware Board Assembly Diagram
Pg. 67 – Twin Game Marquee Assembly and Installation Diagram
Pg. 68 – Motion Platform Assembly Diagram
Pg. 69 – Lower Base and Safety Bellows Assembly Diagram
Pg. 70 – Motion Base and Pedestal Assembly Diagram
Pg. 71 – Driver Cabinet and Dash Assembly Diagram
Pg. 72 – Hood Deck and Speaker Assembly
Pg. 73 – Audio Amplifier DIP Switch Settings
Pg. 74 – System Diagram – Pneumatic System

System Diagrams for Serial Numbers 1008 – 1807 – pgs. 75 – 80
Pg. 75 – System Diagram – Main (Power Distribution)
Pg. 76 – System Diagram – Main (Front Door)
Pg. 77 – System Diagram – Lower Seat Cabinet
Pg. 78 – System Diagram – Compressor & Seat Cabinet Dash
Pg. 79 – System Diagram – Seat & Wheels
Pg. 80 – System Diagram – PC & Monitors

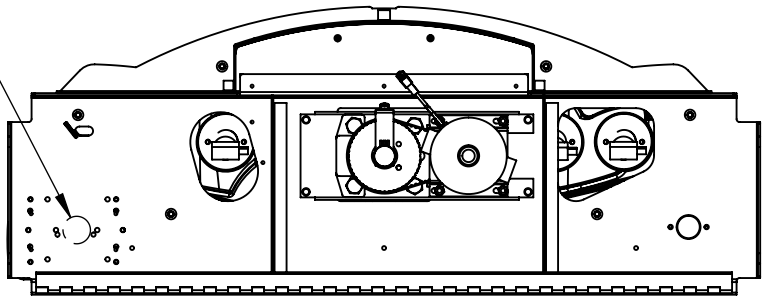
System Diagrams for Serial Numbers 1807 and up – pgs. 81 – 86
Pg. 81 – System Diagram – Main (Power Distribution)
Pg. 82 – System Diagram – Main (Front Door)
Pg. 83 – System Diagram – Lower Seat Cabinet
Pg. 84 – System Diagram – Compressor & Seat Cabinet Dash
Pg. 85 – System Diagram – Seat & Wheels
Pg. 86 – System Diagram – PC & Monitors

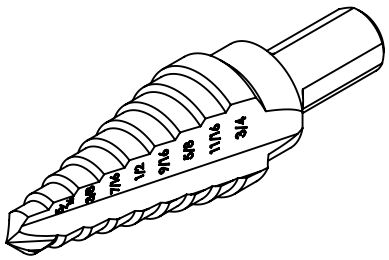
FAST AND FURIOUS
CARD READER MOUNTING



A SERIES OF HOLES IS PROVIDED IN DASH PLATE FOR A VARIETY OF COMMONLY USED CARD READERS. THE DASH DECAL ON THE FRONT OF THE PLATE COVERS THESE HOLES.

1) CHOOSE THE HOLE PATTERN THAT MATCHES YOUR CARD READER.
2) USE A UTILITY KNIFE TO POKE OUT THOSE HOLES IN THE DECAL.
3) DRILLING IS REQUIRED FOR CABLE ROUTING THROUGH DASH PLATE... (USING A STEP DRILL BIT FOR THE CABLE HOLE IS RECOMMENDED).
4) IN SOME CASES MOUNTING STUDS WILL NEED TO BE REPLACED WITH SCREWS IF THERE IS INTERFERENCE WITH THE CABINET WHEN CLOSING.

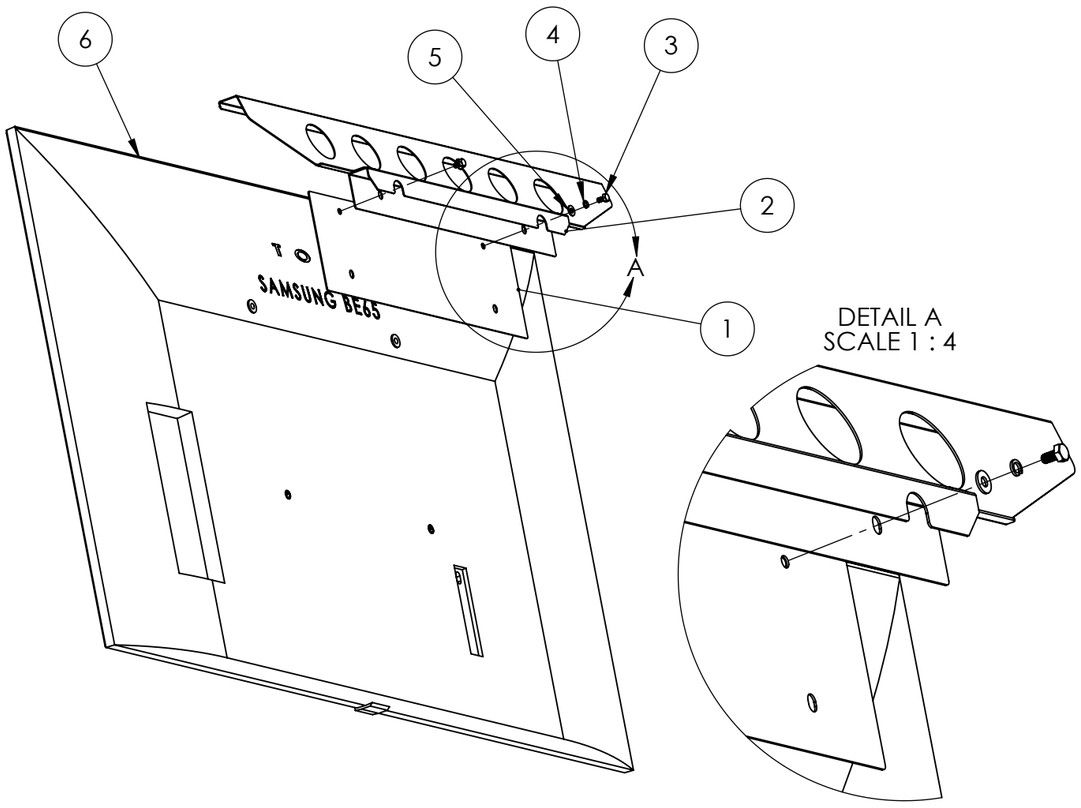




STEP DRILL BIT

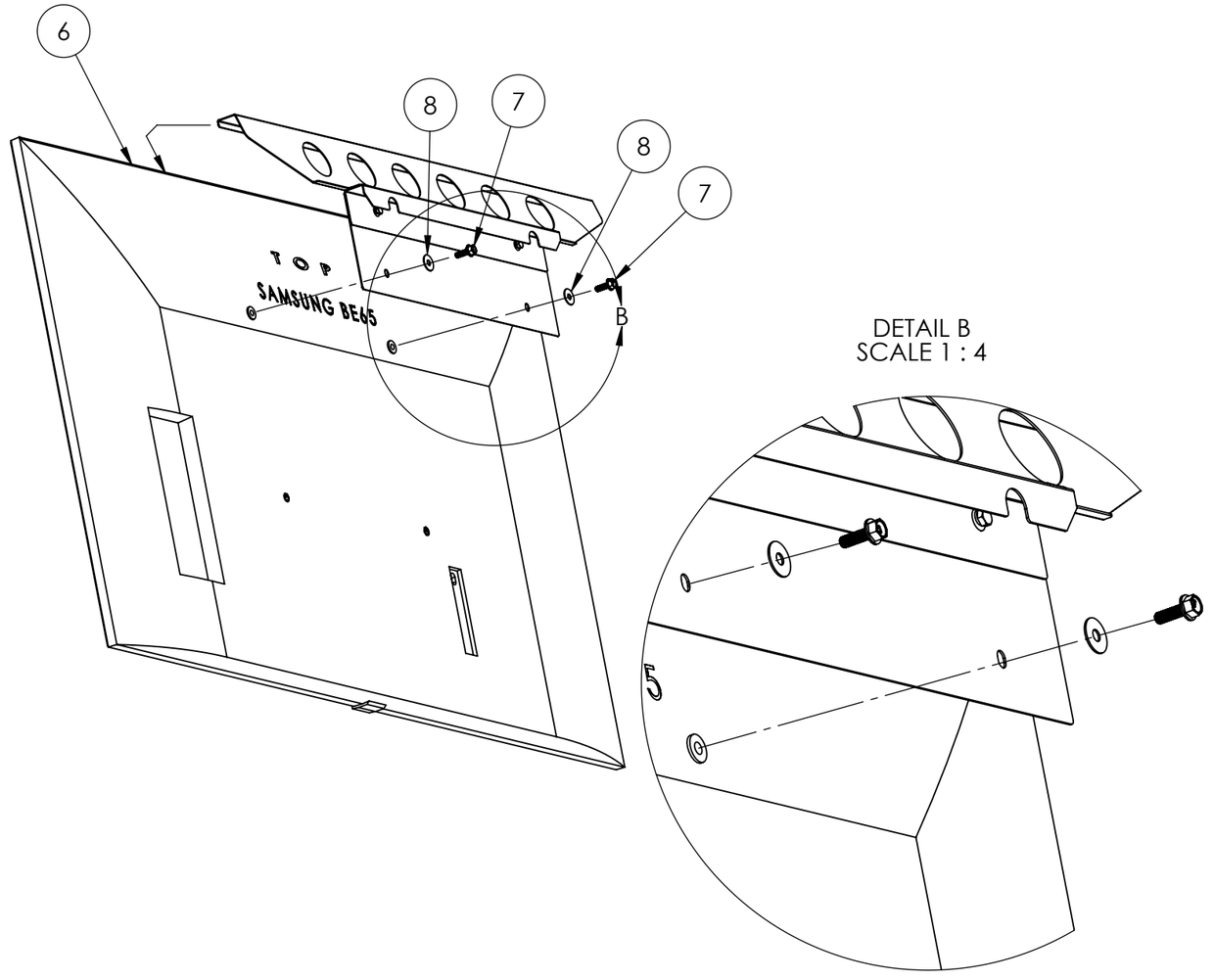
INSTRUCTIONS FOR DOMESTIC GAMES USING SAMSUNG BE65T MONITOR ONLY

1) INSTALL UPPER MONITOR HANGER EXTENSION PLATE



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	600-03232-01	F&F-65 LCD Hanger Bracket-Extension Plate	1
2	600-02970-01	F&F LCD HANGER BRACKET WELDMENT	1
3	91309A544	1/4-20 x 1/2" Hex Head	2
4	1_4 LOCK WASHER	1/4" LOCK WASHER	2
5	FLAT_WASHER-REG	1/4"ID X 5/8" OD FLAT_WASHER	2
6	Samsung BE65T	65" Commercial Grade LED TV (Samsung BE65T)	1
7	90386A109	M8 X 25MM Serrated-Flange Hex Head Screws	4
8	91090A119	Zinc-Plated Steel Oversized Washer	4

2) INSTALL UPPER MONITOR HANGER ASSEMBLY TO MONITOR SAMSUNG BE65T

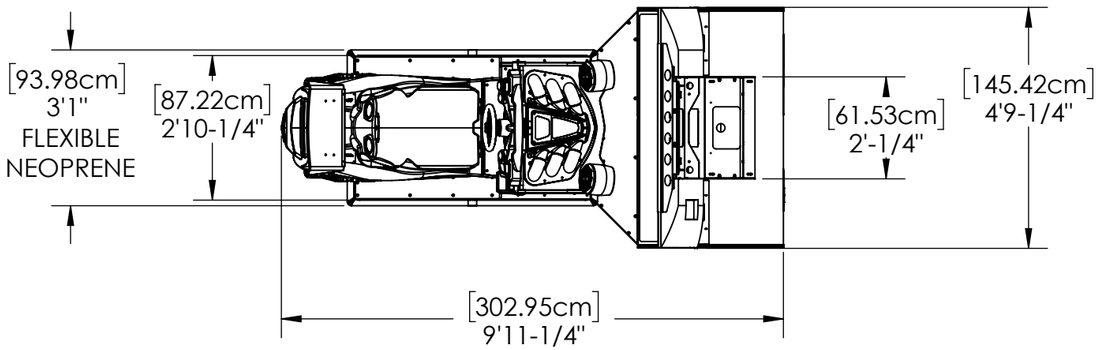


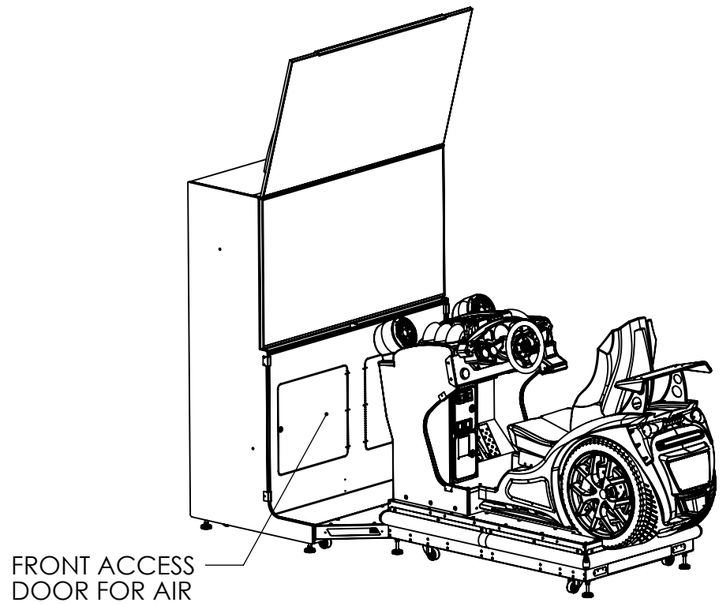
1) Install (item 1) 600-03232-01 / extension plate to to (item 2) 600-02970-01 / hanger bracket using two (items 3,4 & 5) 1/4-20 x 1/2" hex head bolts with lock and flat washers.

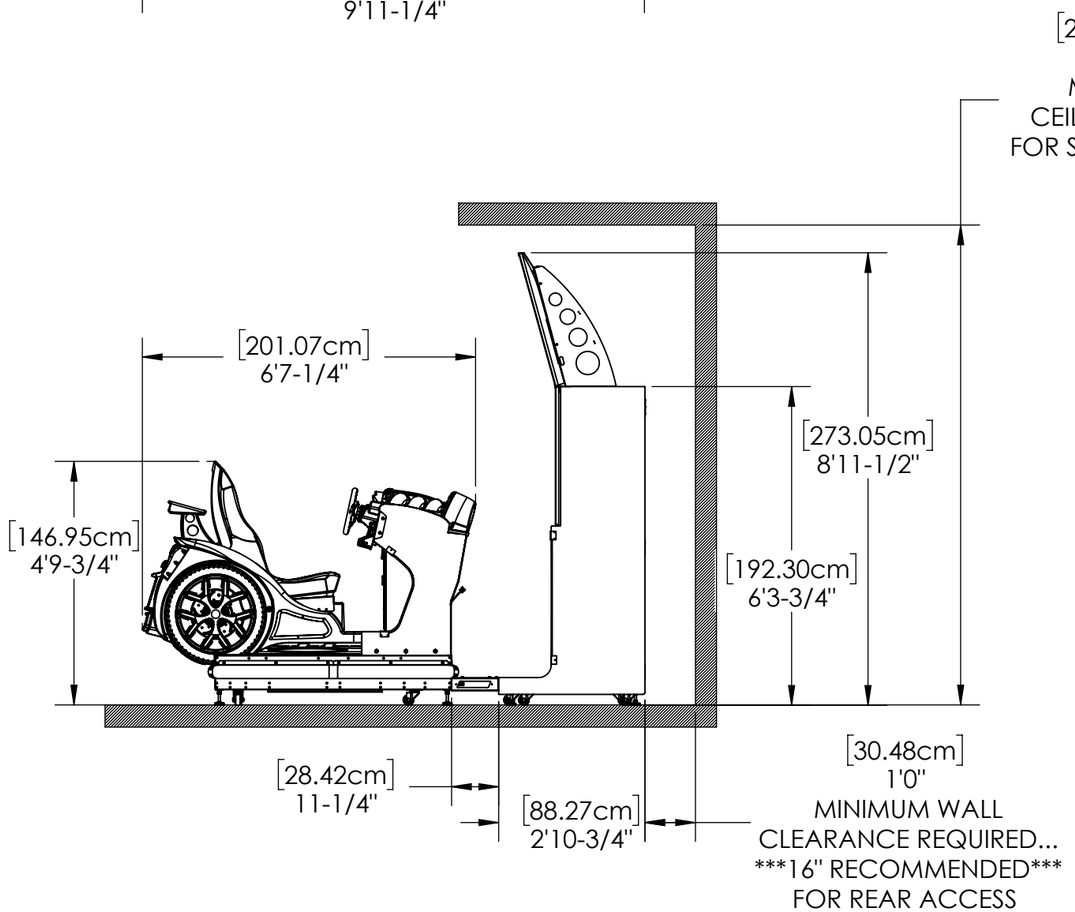
2) Install the completed hanger asssembly to the (item 6) monitor as shown, (with front edge capturing the top of the monitor) using two (item 7) 8M x 25mm bolts with (item 8) flat washers.

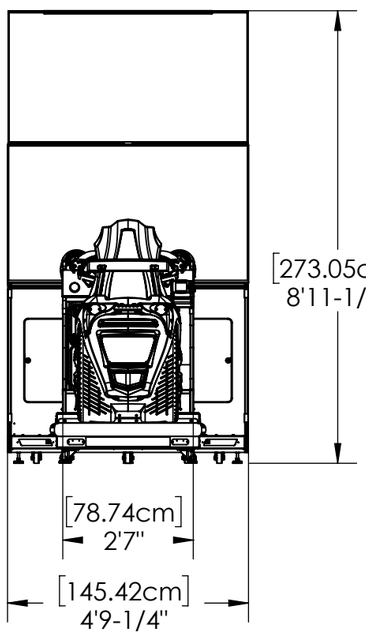
3) Follow the upper monitor installation instructions from the FAST & FURIOUS manual to complete the upper monitor installation by hanging the monitor assembly over the top of the moniotr bracket and using the remaining bolts and washers to secure it.

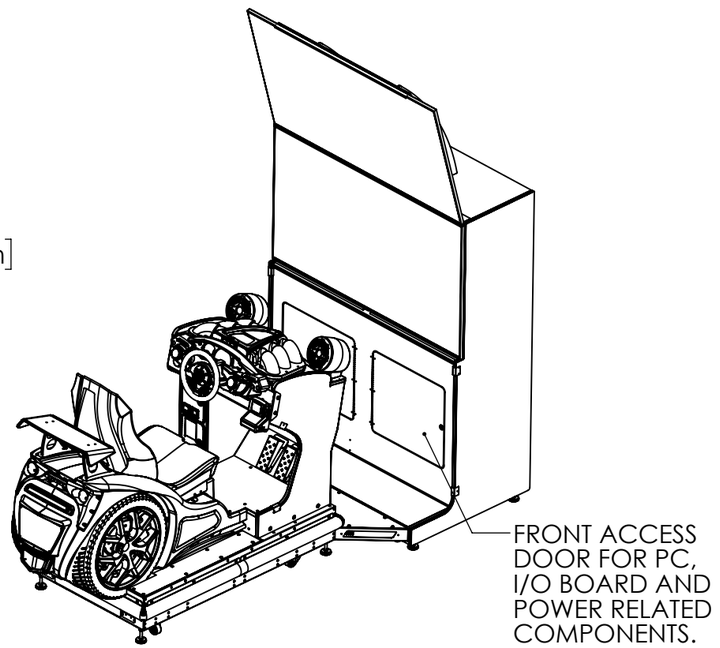
FAST AND FURIOUS ARCADE
SINGLE GAME OPERATIONAL DIMENSIONS





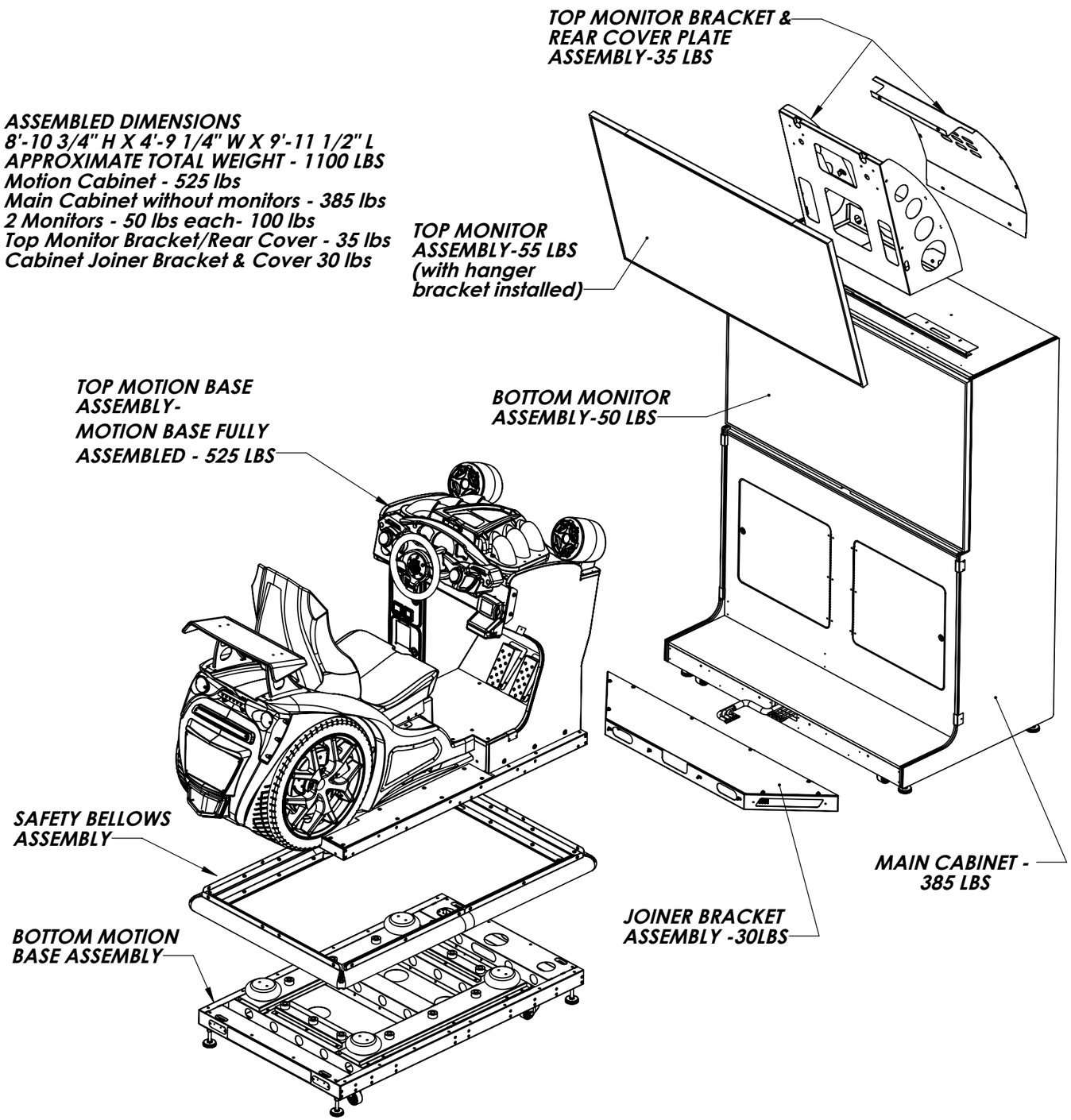


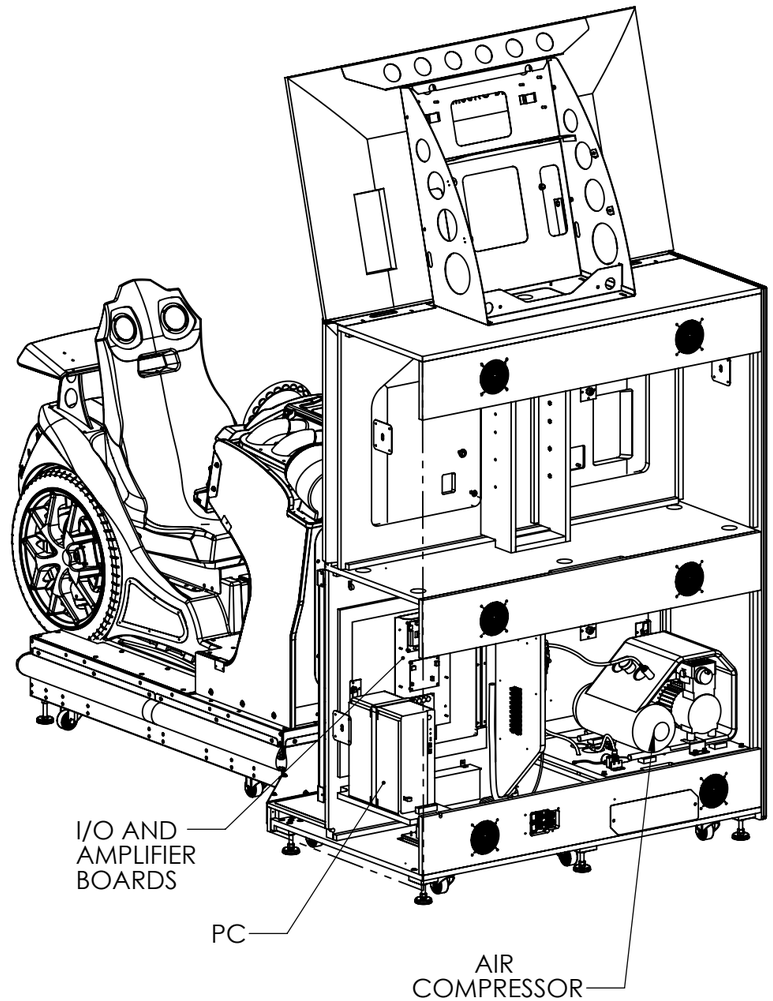




FAST AND FURIOUS ARCADE
"SINGLE" GAME ASSEMBLY DIAGRAM

ASSEMBLED DIMENSIONS
8'-10 3/4" H X 4'-9 1/4" W X 9'-11 1/2" L
APPROXIMATE TOTAL WEIGHT - 1100 LBS
Motion Cabinet - 525 lbs
Main Cabinet without monitors - 385 lbs
2 Monitors - 50 lbs each- 100 lbs
Top Monitor Bracket/Rear Cover - 35 lbs
Cabinet Joiner Bracket & Cover 30 lbs

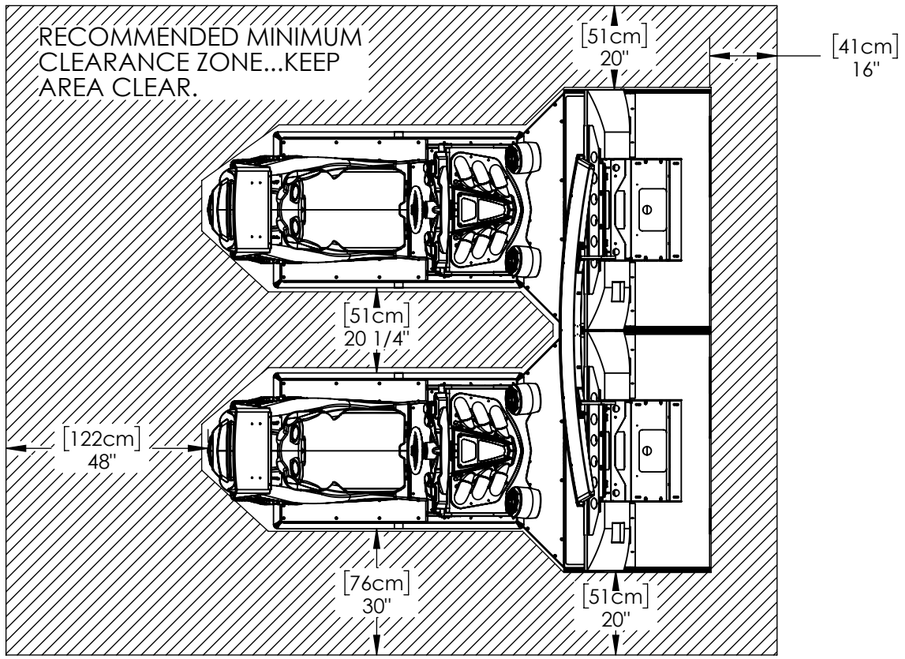


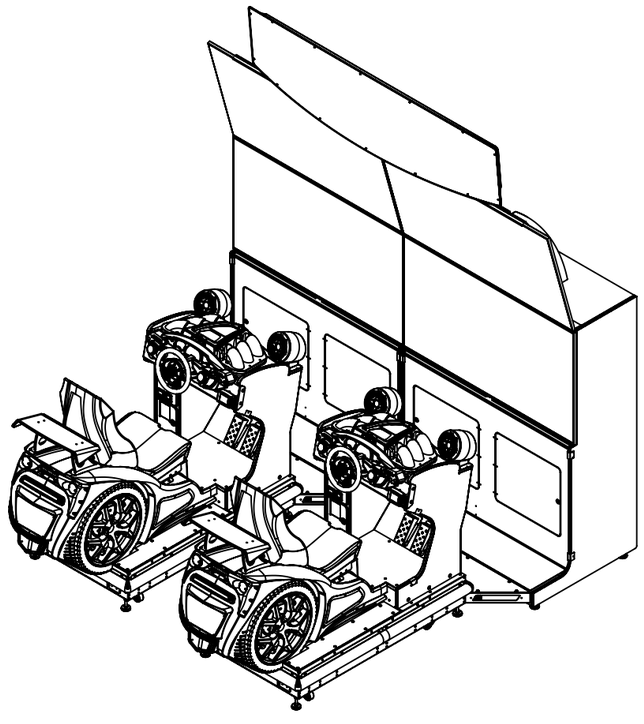


FAST AND FURIOUS ARCADE
TWO "MULTI-GAME"
OPERATIONAL DIMENSIONS

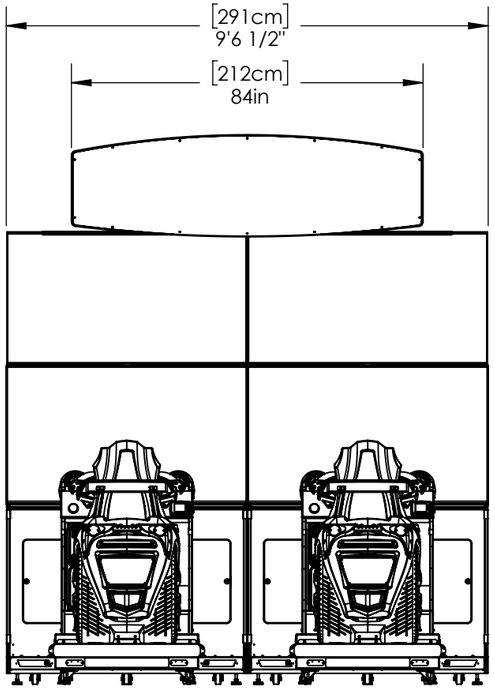
******LINK UP TO 8 GAMES***

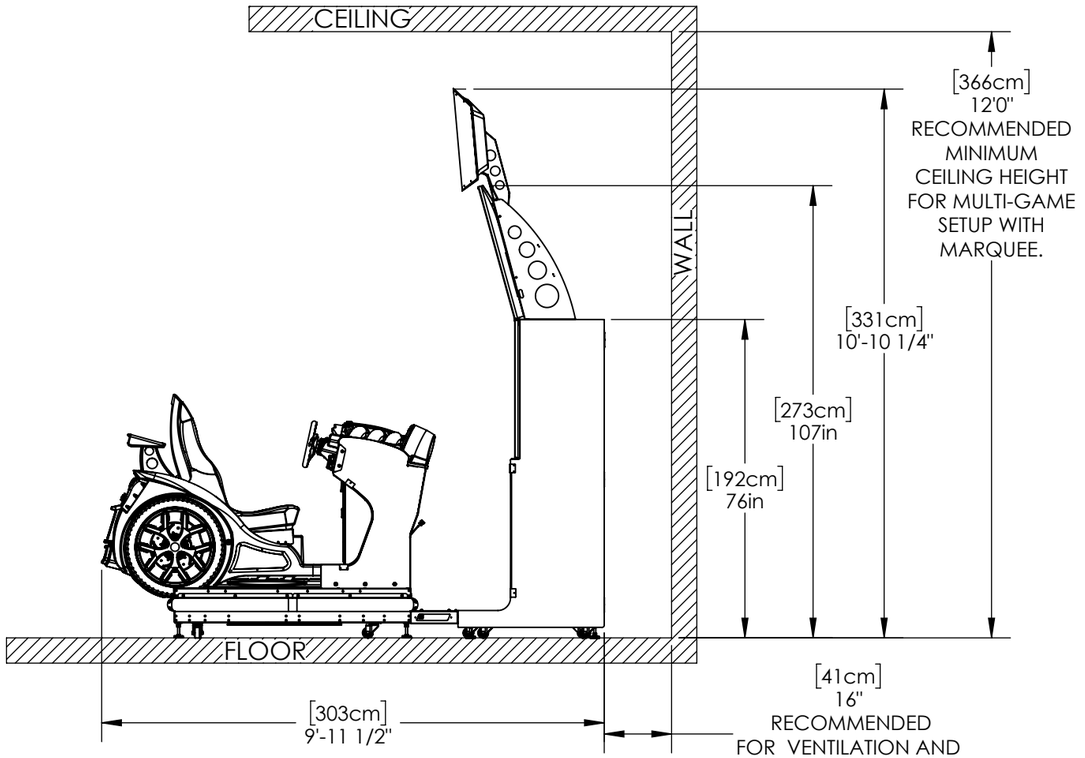
******LEVEL FLOOR SURFACE DESIRED***

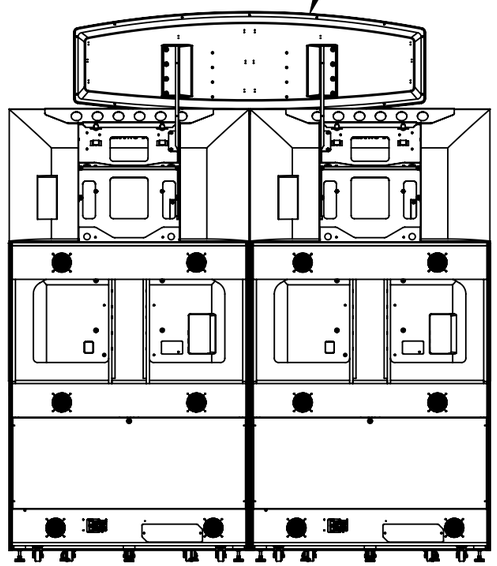




MULTI-GAME MARQUEE STRADDLES BOTH GAMES. REMOVE MARQUEE IF MOVING ONE GAME FOR REAR ACCESS TO CABINET IS REQUIRED FOR SERVICE. SEE MULTI-GAME MARQUEE INSTALLATION DIAGRAM FOR FURTHER DETAILS.

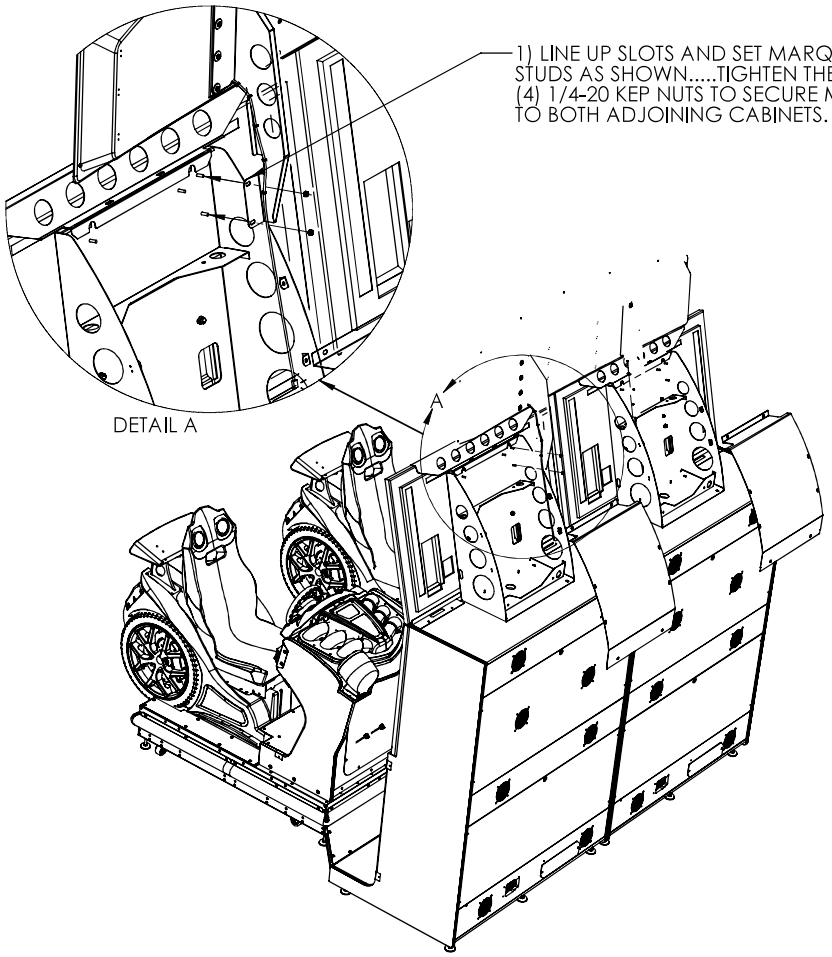




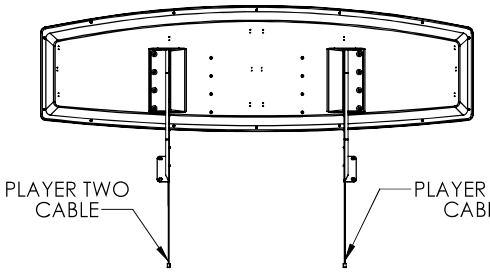


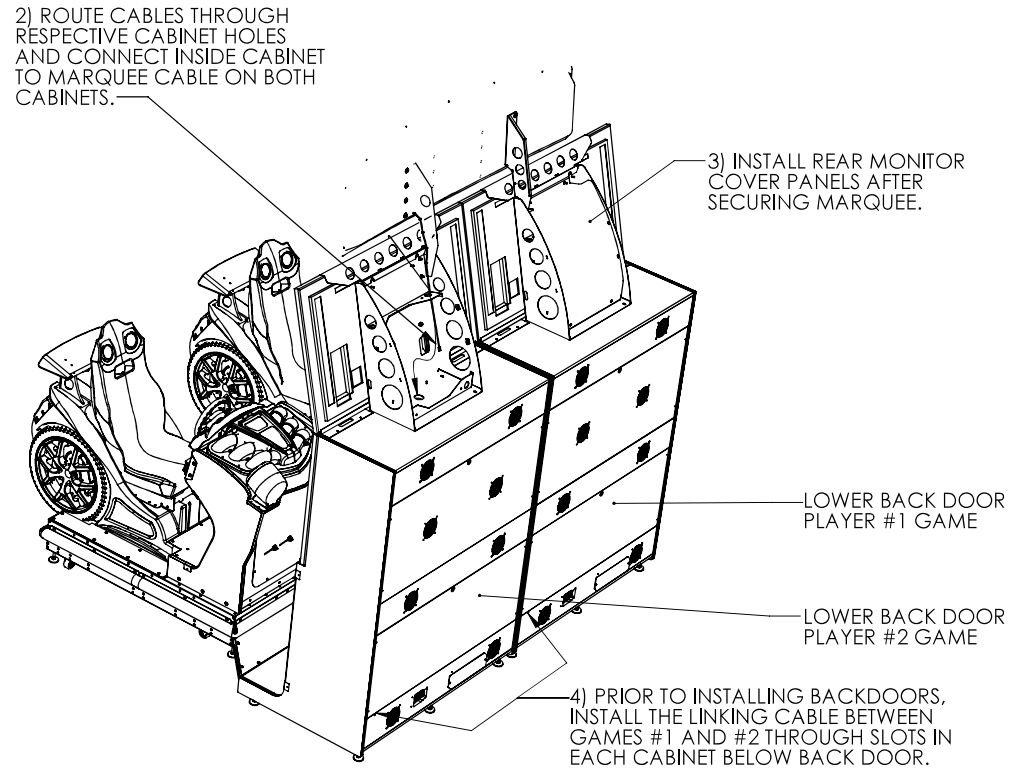
FAST AND FURIOUS MULTI-GAME SETUP AND MARQUEE INSTALLATION

AFTER INDIVIDUAL GAME SETUP IS COMPLETE, GAMES ARE ALIGNED NEXT TO EACH OTHER AND LEG LEVELORS ARE LOWERED, THE MARQUEE INSTALLATION CAN BE COMPLETED AS FOLLOWS.



REAR VIEW OF MARQUEE ASSEMBLY

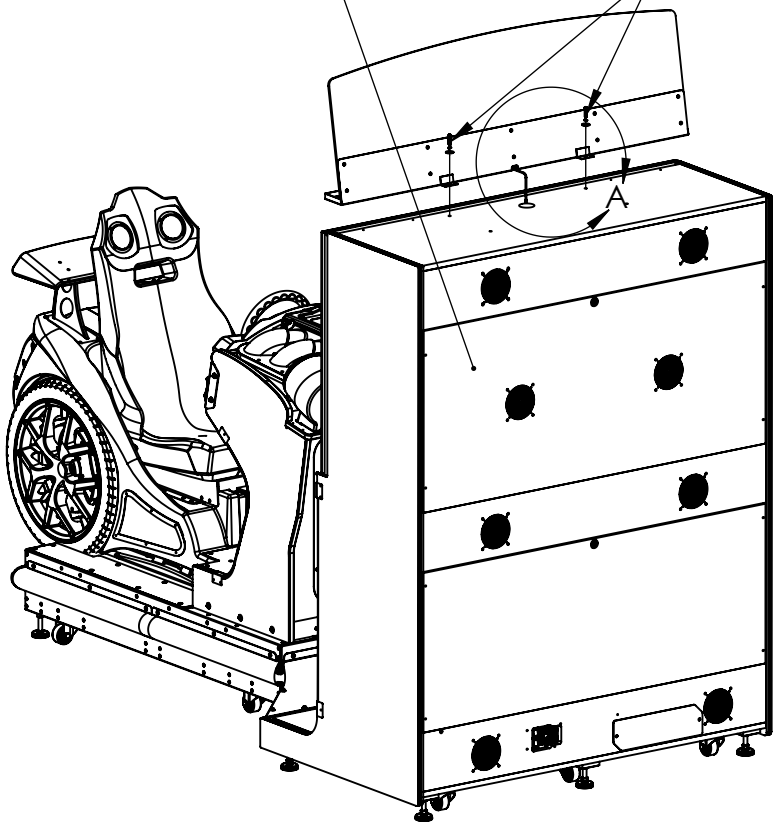


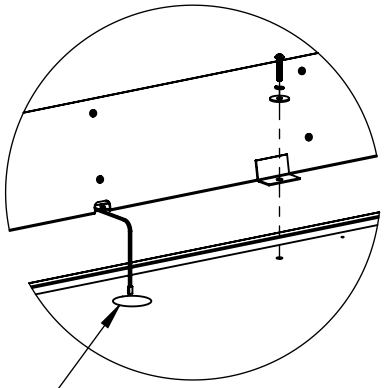


FAST AND FURIOUS ARCADE
SINGLE MONITOR MARQUEE INSTALLATION.

1) Check to make sure the game is powered off. Remove the upper back door to gain access to the inside of the main cabinet.

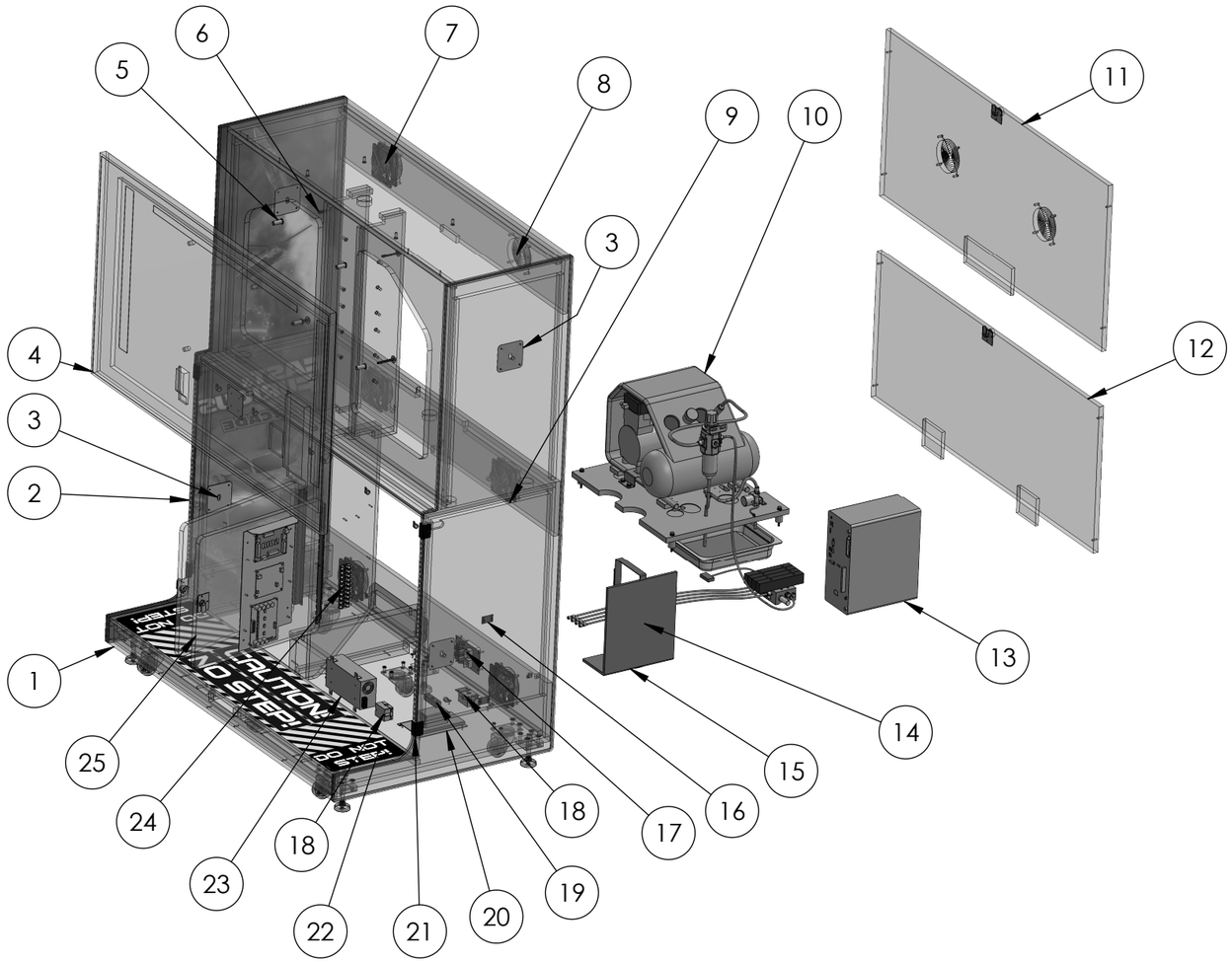
2) Set Single monitor Marquee on top of the main cabinet and use the supplied screws and washers to securely attach the Marquee to the main cabinet in two places.





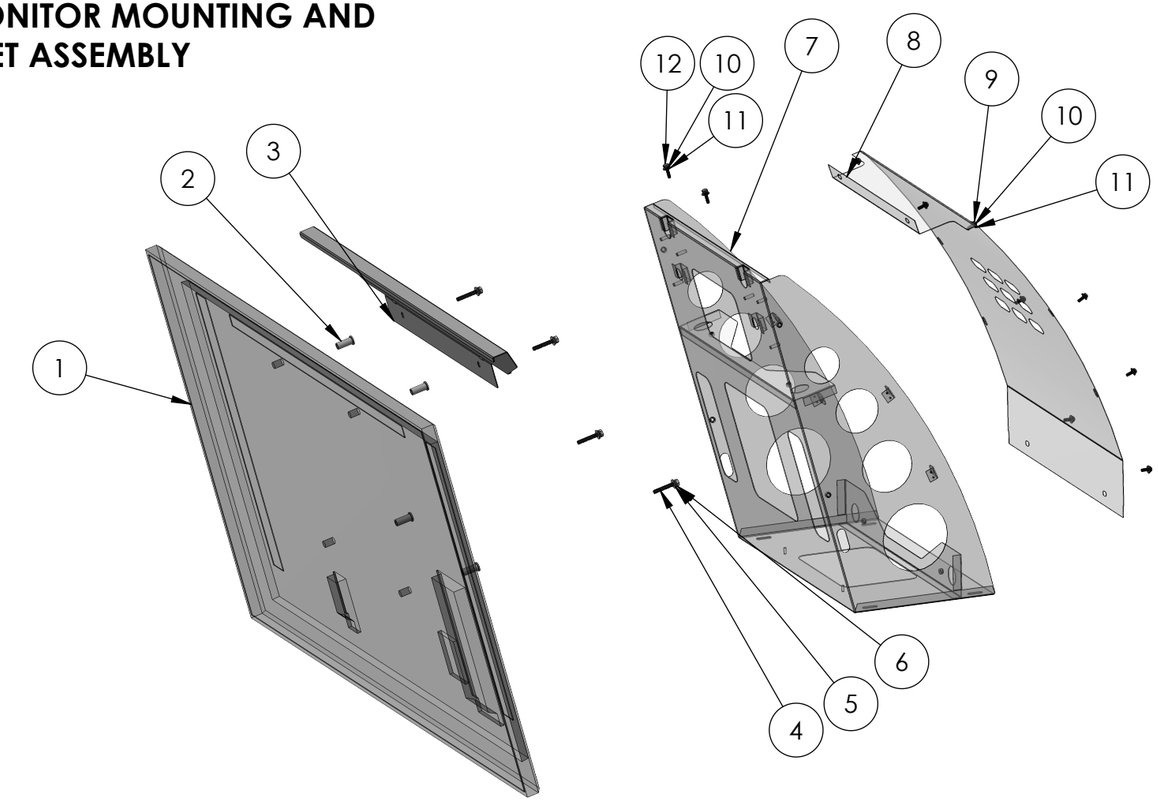
3) Pass the marquee power cable through the opening in the top of the cabinet and connect to the marquee power source cable inside cabinet. Reinstall back door and turn power on.

FAST AND FURIOUS ARCADE
MAIN CABINET ASSEMBLY



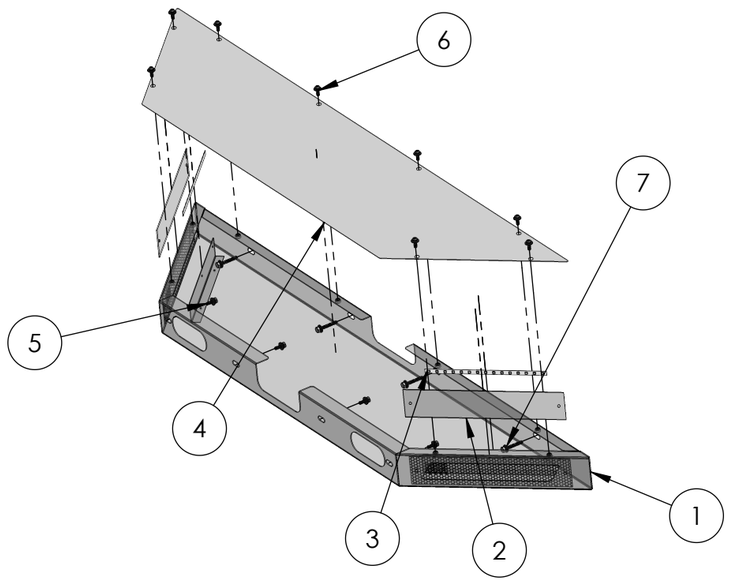
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	601-00951-01	F&F MAIN CABINET ASSEMBLY	1
2	Cab LED Strip	30" Cabinet LED Tmold and LED Strip	2
3	600-02986-01	F&F Cab Side Connect Plate (4)	4
4	Samsung 65 Comercial grade LCD-Lower	Same as Upper Monitor	1
5	SAMSUNG_QB65N-VESA_Spacer	Samsung Monitor Spacer	4
6	65mm_Lock_2 Flat	65mm_Lock Washer_2 Flat Washers	4
7	FanAssy	DC fan and wire guard assembly	1
8	800-00001-00	120mm Wire Fan Guard	1
9	FanAssy w TACH and PWM	DC fan and wire guard assembly	4
10	Compressor Related Assy	See Assembly Diagram	1
11	F&F Back Door - Upper Main Cabinet	F&F Back Door - Upper Main Cabinet	1
12	F&F Back Door Lower Main Cabinet	F&F Back Door Lower Main Cabinet	1
13	850-00036-01 LenovoM70t	LenovoM70t	1
14	PC-Strap Assy	PC-Strap Assy.SLDASM	1
15	Foam Sheet for PC	7x6x.75 Foam Sponge	1
16	600-00891-01	Securing Nylon Strap Plate	3
17	AC Double-Inlet Sub-Assy	See Assembly Diagram	1
18	800-00040-01	6210AXXSZS-DC3 / 6210DSX-1: Solid State Relay	2
19	601-00580-01	PC Wood Cleat	2
20	Power Line Filter Assy	See Assembly Diagram	1
21	600-02915-01	F&F LED Wide Bracket (8)	4
22	606-02003-01	F&F- Main Cab Floor Caution	1
23	330-00003-01	HRP-600-12: 600W, 12V Dual Voltage Power Supply	1
24	Fuseblock x 10	Fuseblock x 10	1
25	F&F Main Cab Front Door (2)	F&F Main Cab Front Door (2)	2
26	Compressor Monitor Board Assembly	See Assembly Diagram	1
27	600-02499-01	VRK-Drip Tray Access Plate	1
28	Cable Clamp Small	1/2" Cable Clamp	13
29	CABLE-BUNDLE-CAB	For Illustration Only-See Cable Layout	1
30	RIO2-HARDWARE-ASSY-NITRO	RIO2-HARDWARE-ASSY-NITRO	1

FAST AND FURIOUS ARCADE TOP MONITOR MOUNTING AND BRACKET ASSEMBLY



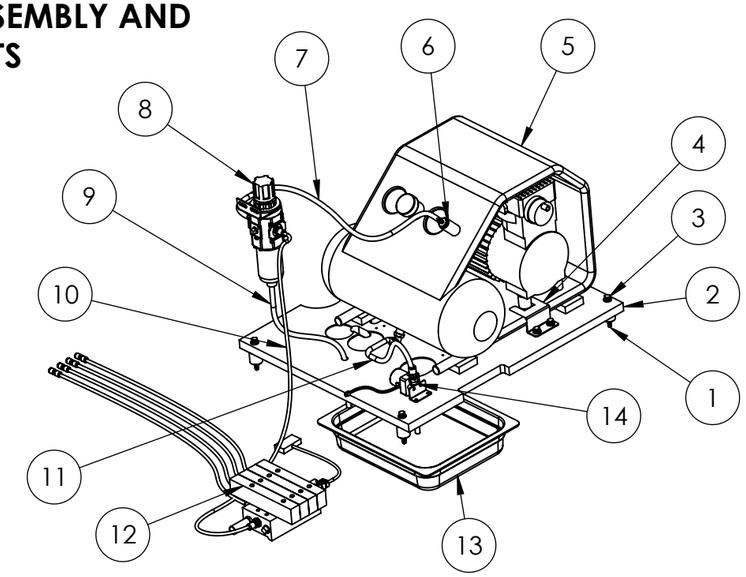
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	809-00016-01-	Samsung QB65B- 65" Comercial grade LCD	1
2	SAMSUNG_QB65N-VESA_Spacer	Samsung Monitor Spacer	4
3	600-02970-01-A	F&F-65 LCD Hanger Bracket	1
4	91280A546	M8x50mm_Medium-Strength Class 8.8 Steel Hex Head Screw	6
5	90770A030	.344 ID x.750 OD x .060 Steel Washer	6
6	91102A030	.322_Zinc-Plated Steel Split Lock Washer	6
7	600-02888-01-1	F&F Upper Monitor Mounting Bracket	1
8	600-02983-01	F&F Rear Monitor Cover panel	1
9	91900A845	PIN-IN-TORX BUTTON SOCKET CAP SCREW	8
10	1_4 LOCK WASHER	1/4" LOCK WASHER	12
11	FLAT_WASHER-REG	1/4"ID X 5/8" OD FLAT_WASHER	12
12	91309A544	1_4-20 x 1 Hex Head Screw	2
17	1 Inch Bead Weld		4
18	91309A544	1/4-20 x 1/2" Hex Head	2

FAST AND FURIOUS ARCADE CABINET JOINER BRACKET ASSEMBLY

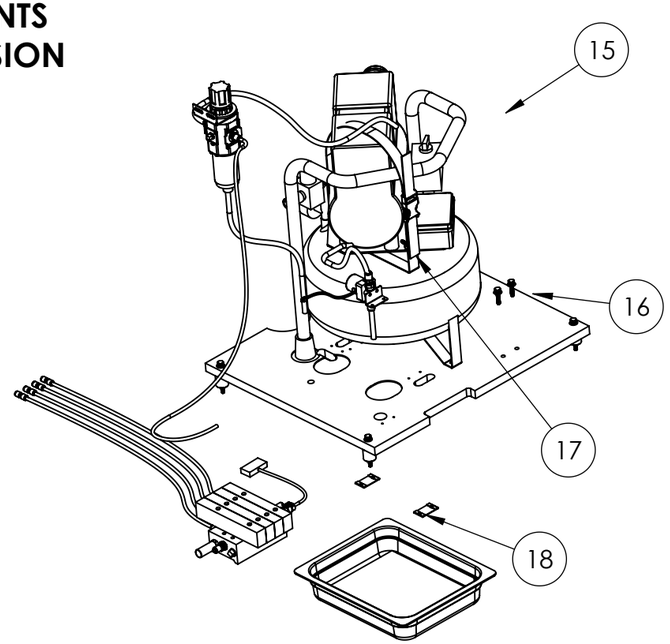


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	600-02956-01	F&F-Production Joiner Bracket	1
2	600-02985-01	F&F Joiner HDPE Lens (2)	2
3	500-00184-01-25	25CM 10in LED Strip (RGB with foam tape)	2
4	600-02957-01	F&F-Production Joiner Bracket Cover	1
5	1_4-20 x75-Hex Lock and Flat Assy	1/4-20 x3/4" Screw w Lock and Flat Washers	4
6	1_4-20 x75-Lock and Reg Flat Assy	1_4-20 x75 Screw w Lock and Flat Washers	8
7	1_4-20 x2-Hex Lock and Flat Assy	1/4-20 x1" Screw w Lock and Flat Washers	4

FAST AND FURIOUS ARCADE AIR COMPRESSOR ASSEMBLY AND RELATED COMPONENTS (USA) 120V VERSION

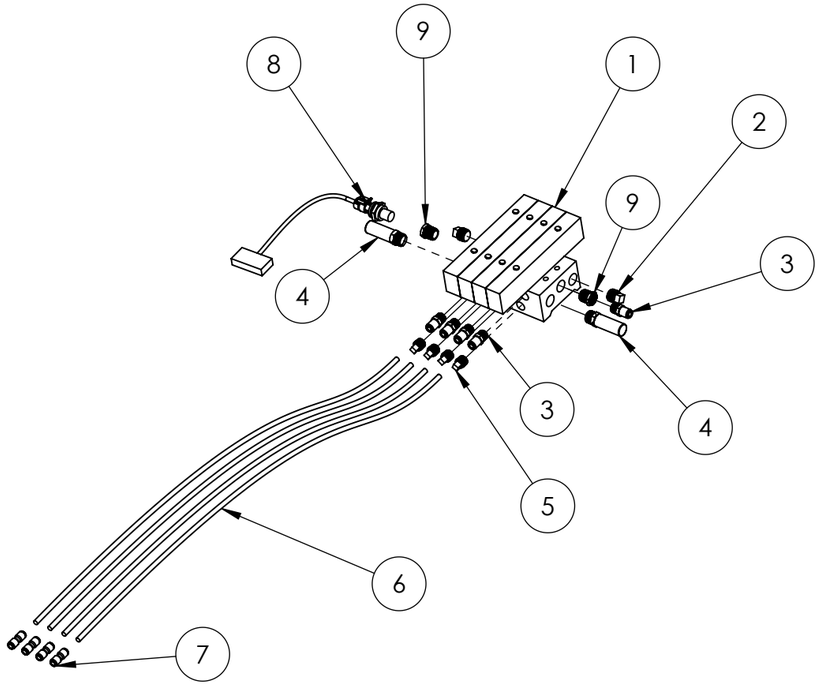


FAST AND FURIOUS ARCADE AIR COMPRESSOR ASSEMBLY AND RELATED COMPONENTS (UK, INTL) 230V VERSION



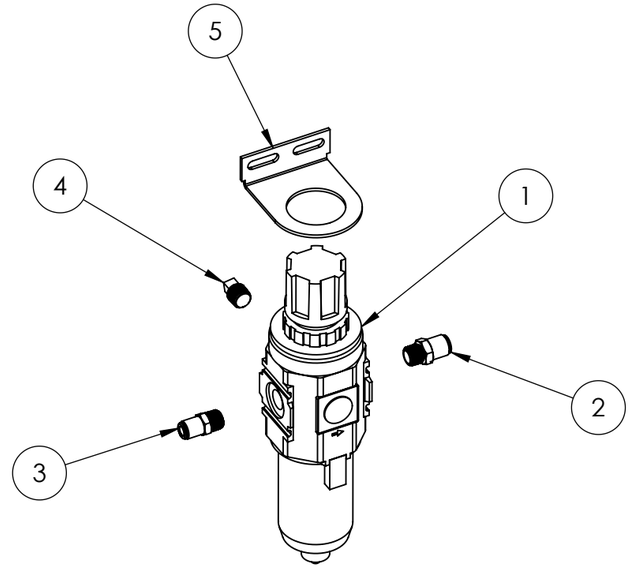
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	93945K117	93945K117_Vibration-Damping Sandwich Mount with Stud and Insert	4
2	601-00986-01	F&F Compressor Shelf	1
3	1_4-20 x125-Hex Lock and Flat Assy	1/4-20 x1.25" Screw w Lock and Flat Washers	8
4	600-02621-01	01-2959 BRACKET-COMPRESSOR-DLX-JP	2
5	604-00066-01	Makita Quiet Series 1 HP, 2 Gallon, Oil Free, Electric Air Compressor, 120VAC, CSA/US Listed	1
6	6718K72	303 Stainless Steel Industrial Quick-Disconnect Hose Coupling for Air-Barbed	1
7	Compressor to Regulator hose 3_8	3/8" OD x 18" Long Air Hose	1
8	FILTER REGULATOR ASSY	CKD-W3000-8N-W-F1-B3W	1
9	Regulator Drain Hose 3_8	3/8" OD x 18" Long Air Hose	1
10	Regulator to Manifold Hose1_4	1/4" OD x 48" Long Air Hose	1
11	Compressor line to Purge Valve	3/8" OD x 10" Long Air Hose	1
12	Manifold_&_Fitting_Assy	See Assembly Diagram	1
13	Tub and Sponge Assy	10 x 12 Tub, 10 x 8 Sponge	1
14	AS-3640	Compressor Solenoid Assembly-Drain Valve	1
15	604-00067-01	Eluan 230V / 50Hz (CE Compressor)	1
16	601-00987-01	F&F-Eluan Compressor Wheel Chock (CE ONLY)	1
17	Compressor-Strap Assy	Compressor-Strap Assy (CE ONLY)	1
18	600-00891-01	Securing Nylon Strap Plate	2
19	604-00077-01	Bambi-230V Air Compressor	1

FAST AND FURIOUS ARCADE
AIR MANIFOLD ASSEMBLY



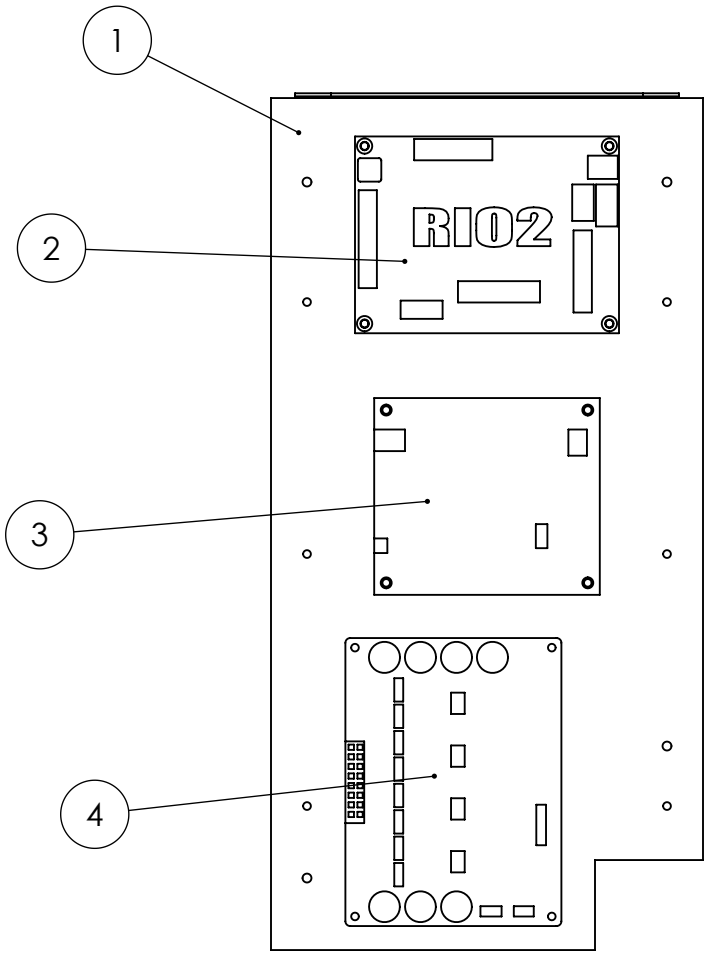
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	604-00045-01	CKD / M4KB330-08N-4-DC12V 4 Station Manifold	1
2	44605K233	Plug, 3/8 Pipe Size	2
3	5779K109	Push-to-Connect Tube Fitting for Air, Straight Adapter for 1/4" Tube OD x 1/4 NPT Male	5
4	1213T12	High-Noise Reducing Mufflers, Plastic, 3/8 NPT Male, 177 scfm, 2-5/16" High	2
5	44605K232	Plug, 1/4 Pipe Size	4
6	Manifold to Spring Hose 1_4 OD, Coupling	Manifold to Spring Air line, 1/4" OD to 1/4" OD push to connect coupling	4
7	5779K14	Fitting Push-to-Connect 1/4-1/4 Female (5779K14)	4
8	500-00195-01	Pressure Sensor	1
9	50785K63	Bushing Reducer, 3/8" Male x 1/4" Female	2

FAST AND FURIOUS ARCADE
AIR REGULATOR ASSEMBLY



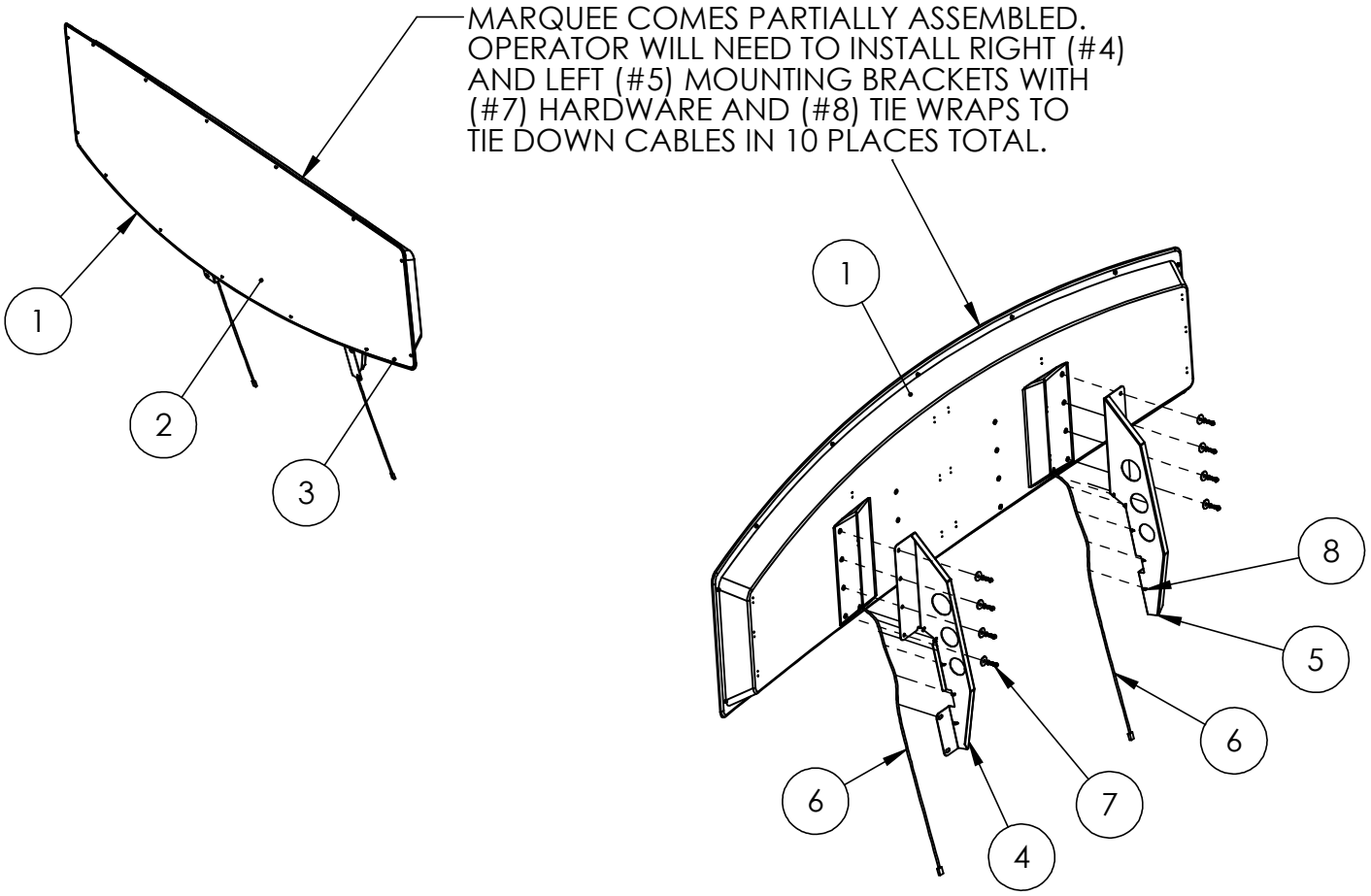
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	604-00046-01	CKD-W3000-8N-W-F11/4" NPT 5 micron Filter/Regulator w norm closed auto-drain	1
2	5779K391	Fitting-3/8 OD Push-to-Connect / 1/4 NPT Male- (5779K391)	1
3	5779K109	Push-to-Connect Tube Fitting for Air, Straight Adapter for 1/4" Tube OD x 1/4 NPT Male	1
4	44605K232	Plug, 1/4 Pipe Size	1
5	604-00048-01	CKD-B330 L BRACKET FOR W3000-8N-W-F1	1

FAST AND FURIOUS ARCADE
I/O AND HARDWARE
BOARD ASSEMBLY



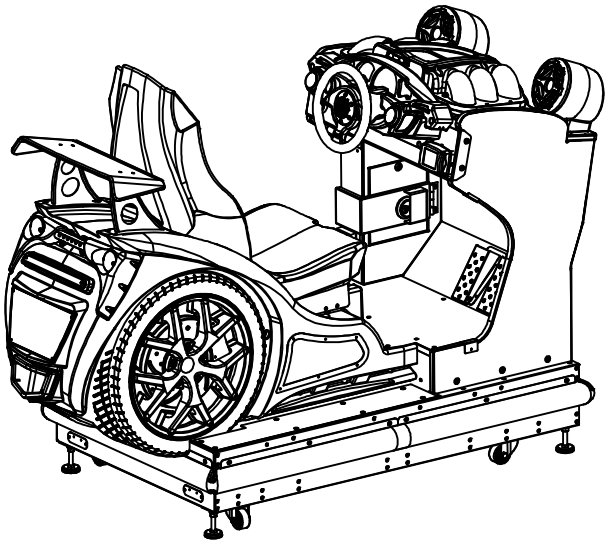
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	600-02576-01	RIO2-BACKPLANE-NITRO	1
2	500-00199-05	PCB-ASSY-RIO2	1
3	500-00251-01	USB-H-BRIDGE-MOTOR-DRIVER-PCBA	1
4	380-00010-01	8-CHANNEL-AUDIO-AMP-PCBA	1

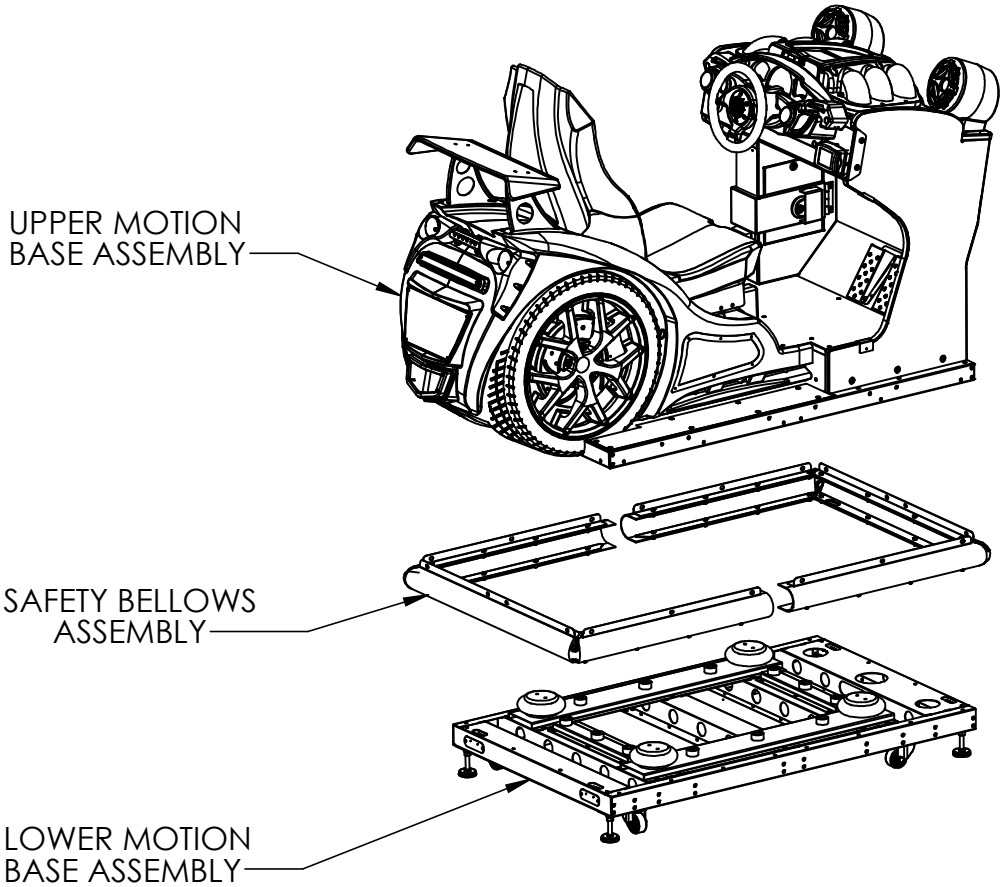
FAST AND FURIOUS ARCADE MULTI-GAME MARQUEE ASSEMBLY AND INSTALLATION



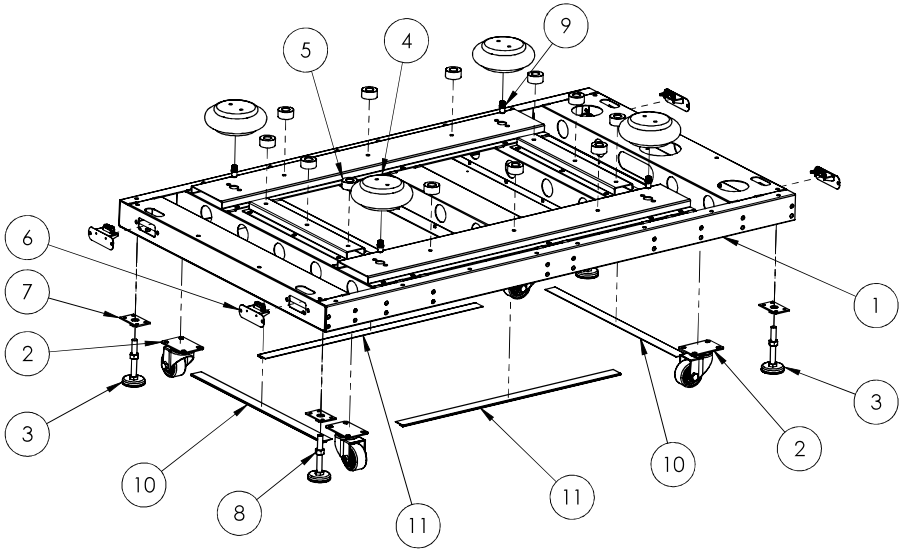
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	603-01066-01-ASSY	Fast and Furious Multi-Game Marquee Pan	1
2	600-02929-01	F&F-Double Wide Marquee .11 Clear PETG	1
3	606-02005-01	F&F-Double Wide Marquee Translight	1
4	600-02973-01	F&F-Marquee Bracket Single Cruis'n Style Right	1
5	600-02974-01	F&F-Marquee Bracket Single Cruis'n Style Left	1
6	Marquee LED Cable	Marquee LED Cable	2
7	1_4-20 x75-Lock and Flat Assy	1_4-20 x75 Screw w Lock and Flat Washers	8
8	Tie Wrap	Included with Marquee kit	10

FAST AND FURIOUS ARCADE
MOTION PLATFORM ASSEMBLY



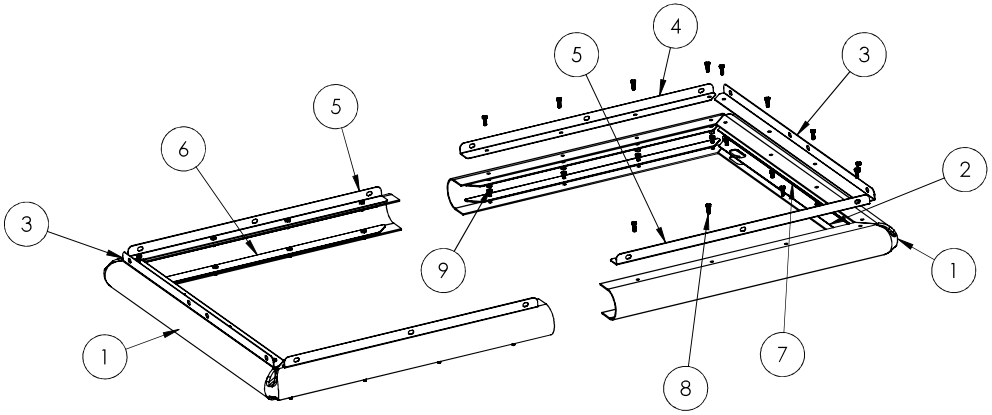


FAST AND FURIOUS ARCADE
LOWER BASE ASSEMBLY



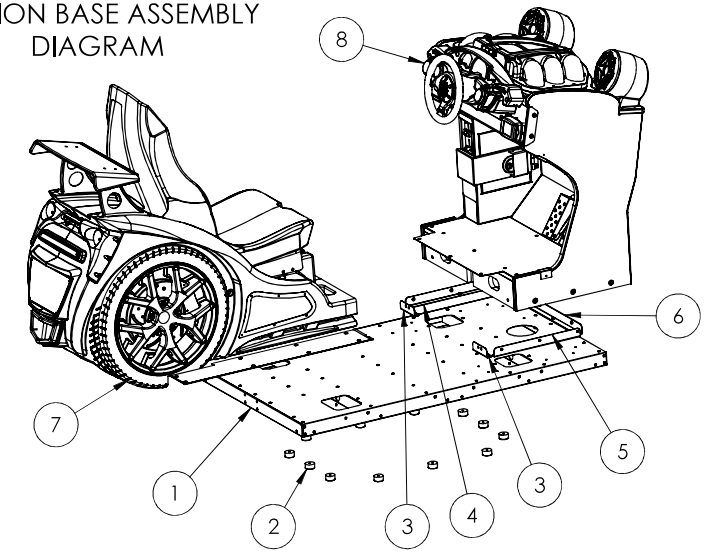
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	608-00243-01	F&F Bottom Motion Base	1
2	800-00087-01-	2.5 Inch Caster Assy JUL	4
3	800-00004-00	3" LEG LEVELER	4
4	800-00074-01	AIR SPRING ITT Enidine / YI-FS 70-10 CI 1/4 NPT	4
5	9540K36	Unthreaded Bumper, SBR Rubber, 1-1/2" Od, 3/4" High	12
6	Sensor Sub-Assy	Sensor Sub-Assy	4
7	600-01633-01	PLATE-LEG-LEVELER-DLX-JP	4
8	95462A033	Medium-Strength Steel Hex Nut	4
9	5779K109	Push-to-Connect Tube Fitting for Air, Straight Adapter for 1/4" Tube OD x 1/4 NPT Male	4
10	RGBLED-EXTRUSION-ASSY-20in	50CM RGB (CA-3980)	2
11	RGB LED-EXTRUSION-ASSY-24	60CM RGB (CA-5114)	2

FAST AND FURIOUS ARCADE
SAFETY BELLOWS ASSEMBLY



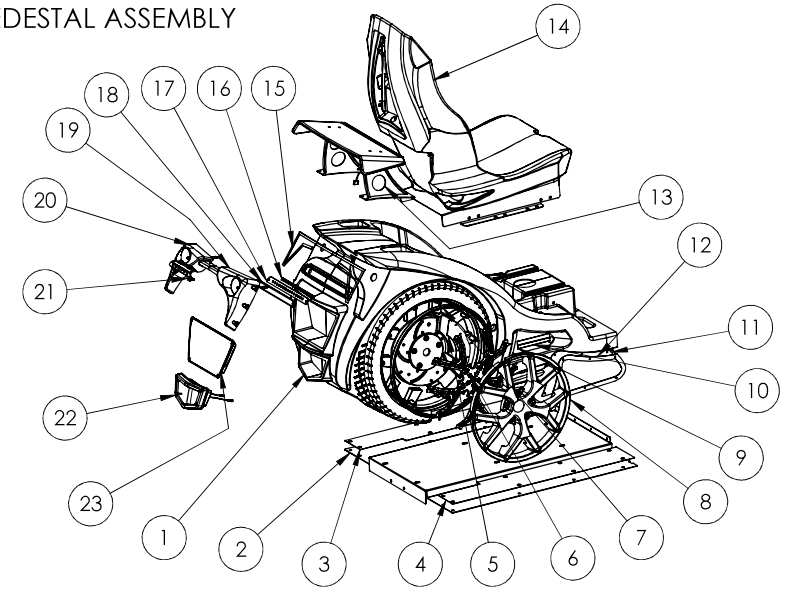
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	600-02893-01-	Rubber Safety Skirt	2
2	600-02993-01	F&F Safety Skirt Long Hem Bracket (Slotted)	2
3	600-02894-01	F&F Safety Skirt Upper Cross Bracket	2
4	600-02896-01	F&F Safety Skirt Upper Short Angle Side Bracket -1 (2)	2
5	600-02897-01	F&F Safety Skirt Upper Short Angle Side Bracket -2 (2)	2
6	600-02898-01	F&F Safety Skirt Short Hem Side Bracket (8)	8
7	600-02895-01	F&F Safety Skirt Long Hem Bracket	2
8	92865A540	1/4-20 X 3/4 CAP SCREW	48
9	90640A129	1/4-20 Steel Nylon-Insert Locknut	24

FAST AND FURIOUS ARCADE
MOTION BASE ASSEMBLY
DIAGRAM



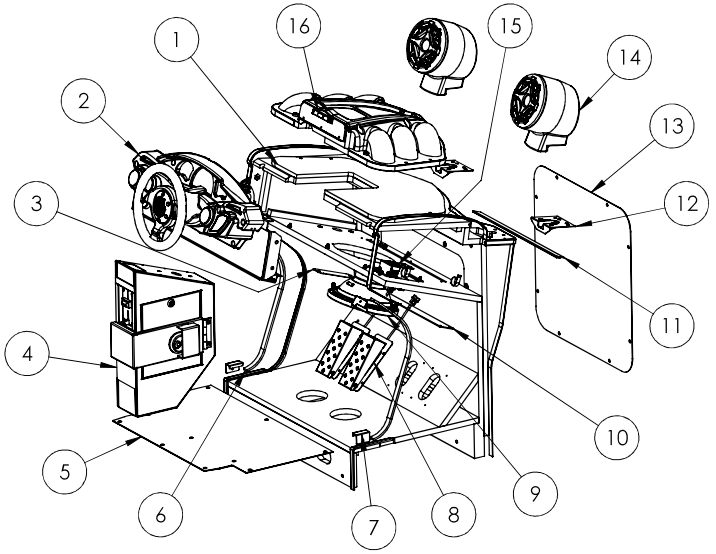
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	608-00244-01	F&F Top Motion Base	1
2	9540K36	Unthreaded Bumper, SBR Rubber, 1-1/2" Od, 3/4" High	12
3	600-03081-01	F&F-Driver Cab Bracket - Front (2)	2
4	600-03080-01	F&F-Driver Cab Bracket - Left	1
5	600-03079-01	F&F-Driver Cab Bracket - Right	1
6	600-03078-01	F&F-Driver Cab Bracket - Rear	1
7	F&F-MOTION-PEDESTAL ASSY-PROD-1	F&F-PEDESTAL ASSY	1
8	F&F Control Cab Production-Final Assy	F&F Control Cab Production	1

FAST AND FURIOUS ARCADE
PEDESTAL ASSEMBLY



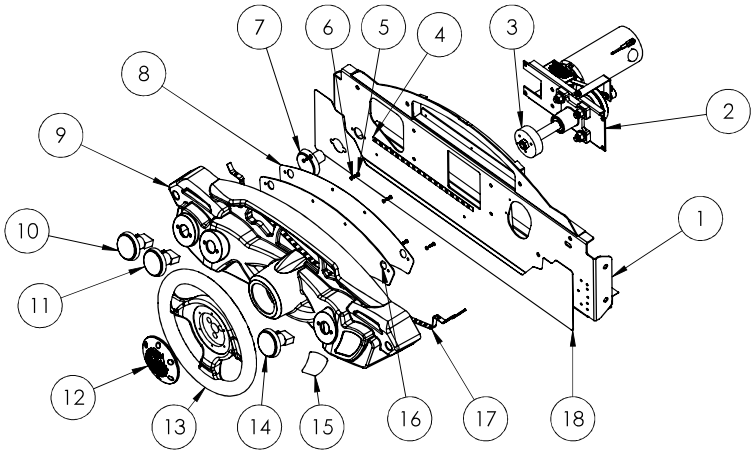
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	603-01064-01	F&F SEAT PEDESTAL (MOD 603-00774-01)	1
2	600-02875-01	F&F Pedestal Mount-PROD	1
3	606-02002-01	Motion Floor Graphic (KEEP CLEAR) L	1
4	606-02001-01	Motion Floor Graphic (KEEP CLEAR) R	1
5	606-01206-01	Cruis'n-Brake Caliper (2) Req'd	1
6	Wheel LED Assy	F&F Wheel LED Assembly	2
7	WHEEL-LED T-MOLDING-ASSY	WHEEL-ROB -LED T-MOLDING-ASSY	2
8	603-00769-01	Cruis'n - Wheel / Chrome (2) req'd	2
9	500-00184-15	RGB LED with Foam Tape 15CM	2
10	603-00762-6	LED Extrusion-6"	2
11	600-02887-01	F&F Pedestal Side Grill 1/8" HDPE Lens (2)	2
12	600-02885-01	F&F Pedestal Side Grill R	1
13	F&F Spoiler Assy - PRODUCTION	F&F Spoiler Assy - PRODUCTION	1
14	CruisnSeatAssy	CruisnSeatAssy (See Details)	1
15	500-00162-01-122CM	122CM Tail Light White LED.SLDPRT	1
16	500-00131-10 (CA-3989)	Cruis'n - Brakelight RGB LED 10"	1
17	600-01881-01	Cruis'n-Ped Horizontal Light Mask	1
18	600-01882-01	Cruis'n-Ped Horizontal Light Overlay	1
19	RearTailLightAssy-R	RearTailLightAssy-R	1
20	RearTailLightAssy-L	RearTailLightAssy-L	1
21	603-00803-01	Cruis'n - Center Tail light Cover (IM)	1
22	Cruis'n Tail Pipe-Assy	Cruis'n Tail Pipe-Assy (see exploded)	1
23	F&F License-Plate-Assy	Cruis'n License-Plate-Assy (see exploded)	1
25	600-02886-01	F&F Pedestal Side Grill L	1

FAST AND FURIOUS ARCADE
DRIVER CABINET ASSEMBLY



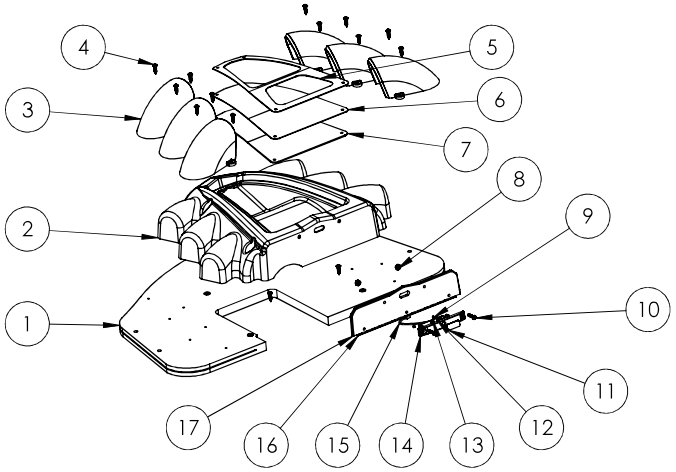
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	601-00950-01	F&F CONTROL CABINET	1
2	F&F PROD-Dash-Assy	Cruisn-Dash-Assy (See Exploded)	1
3	600-03041-01	F&F-Coin Vault Cover Plate	1
4	F&F-Vault-Final Assembly	***SPECIAL ORDER ONLY***	1
5	600-02880-01	F&F Control Cab Treadplate	1
6	Driver Cab LED Strip	RGB LED Strip and TMolding (CA-5114)	2
7	600-02915-01	F&F LED Wide Bracket (8)	4
8	604-00014-01	Modular Pedal with 5k Potentiometer (50-8194-02)	2
9	SB3-8inWoofer-Assy	SUPERBIKES 3-8inWoofer-Assy	1
10	600-01917-01	Cruis'n-UNDERDASH CLEAR PETG	1
11	LED-EXTRUSION-ASSY-18 in	LED-EXTRUSION-ASSY-18 in (CA-4454)	1
12	600-02883-01	F&F Speaker Cover Plate (2)	2
13	600-02984-01	F&F Driver Cabinet- Rear Cover panel	1
14	Speaker-Assy-Mini	SEE DETAILS	2
15	F&F Test Bracket Door Assy	F&F Test Bracket Door Assy	1
16	F&F Hood Deck Assembly	F&F Hood Deck Assembly	1

FAST AND FURIOUS ARCADE
DASH ASSEMBLY



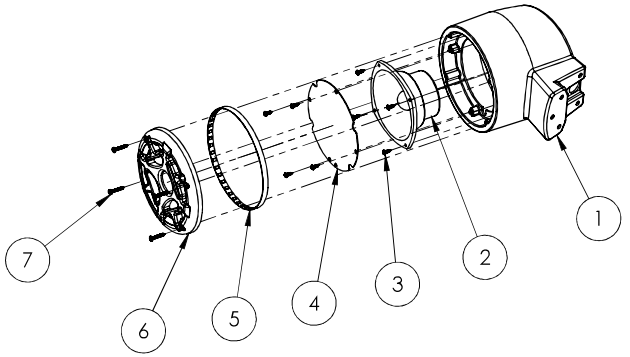
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	600-02879-01-1	F&F-Dash Plate	1
2	604-00002-00-1	Steering Mech, 20VDC Motor	1
3	2-1-03-00-00-004	split hub f 5/8" shaft & 1/4"-20 taps-270 wheel	1
4	Dash LED Strip-30CM (CA-4770)	Dash LED Strip-30CM White w foam tape	1
5	94629A680	94629A680	6
6	90133A005	90133A005-# 6 Neoprene Washer	6
7	702-00118-01	Large Yellow Round Button- 6V LED, CK GD .187 Motion Stop legend	1
8	606-02053-01	F&F Instrument Panel-White Styrene 30 mil	1
9	603-00770-01	F&F-Dash-InjMolded	1
10	702-00123-01	Round Orange Gold sw/6V LED F&F w Tunes legend	1
11	702-00122-01	Round Blue Gold sw/6V LED F&F w View legend	1
12	603-00789-01	Cruis'n Steering Wheel Cap	1
13	2-1-03-00-00-001	STEERING-WHEEL-SOFT-HAPP	1
14	702-00121-01	Round Green Gold sw/6V LED F&F w Start/Nitro legend	1
15	606-01998-01	F&F- Dash Right Decal-VINYL	1
16	600-01843-01	Cruis'n-Dash Inst Panel-Clear overlay	1
17	Dash LED Strip-75CM (CA-4944)	Dash LED Strip-75CM wht w foam tape	1
18	606-02004-01	F&F- DECAL Dash Lower w Motion Stop	1

FAST AND FURIOUS ARCADE
HOOD DECK ASSEMBLY



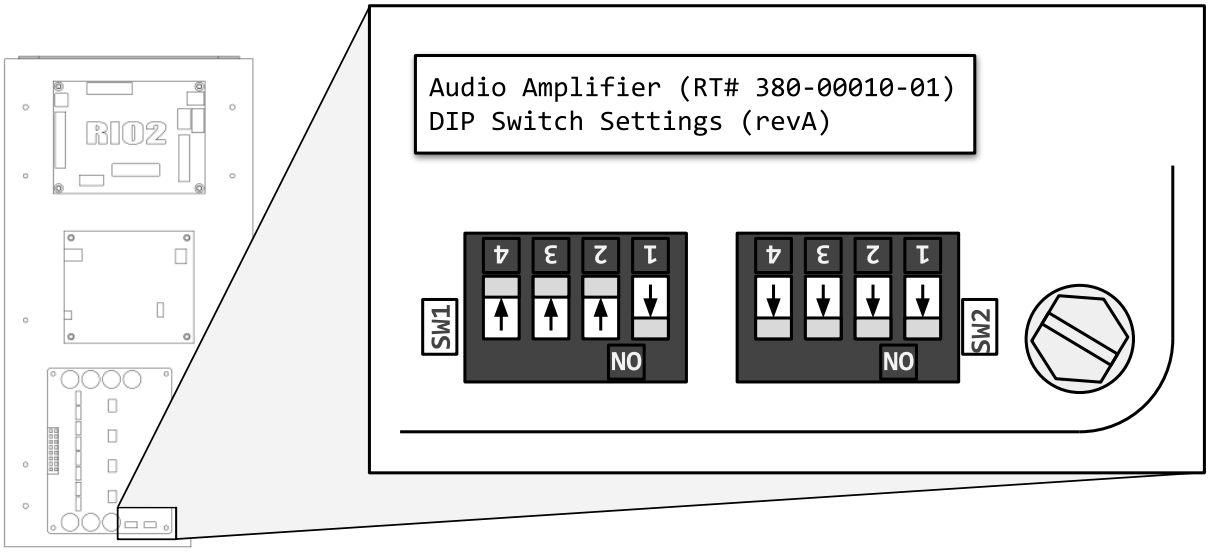
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	601-00989-01	F&F Control Cab Top Dash	1
2	603-01065-01	F&F-Inj Molded Hood with Cutout-Chrome (from SB3)	1
3	603-01057-01	F&F Hood Tube (6) Per	6
4	95638A245	Tamper-Resistant Torx Rounded Head Screws	16
5	600-02394-01	SB3- Blower Frame	1
6	600-02155-01	SB3- Blower Grill	1
7	600-02955-01	F&F-Blower Lens (1/8" White PETG)	1
8	90675A195	Steel Locknut with External-Tooth Lock Washer	2
9	99461A605	MMC 99461A605 Pan Head Phillips 18-8 Stainless Steel 1-32-#0 Drive	2
10	93701A408	8-32x3/4 TORXTAMPER-BLK	2
11	600-01790-01	Camera Dust Cover	1
12	Camera-Tie Wrap	Camera-Tie Wrap	1
13	500-00185-01	Moto-GP Webcam	1
14	603-00963-01	Camera-Housing/Superbikes 3	1
15	810-00162-01	USB camera cable	1
16	500-00184-01-25	25CM 10in LED Strip (RGB with foam tape)	1
17	600-02914-01	F&F PROTO -Camera .25 Acrylic Edgeglow	1

FAST AND FURIOUS ARCADE
SPEAKER ASSEMBLY

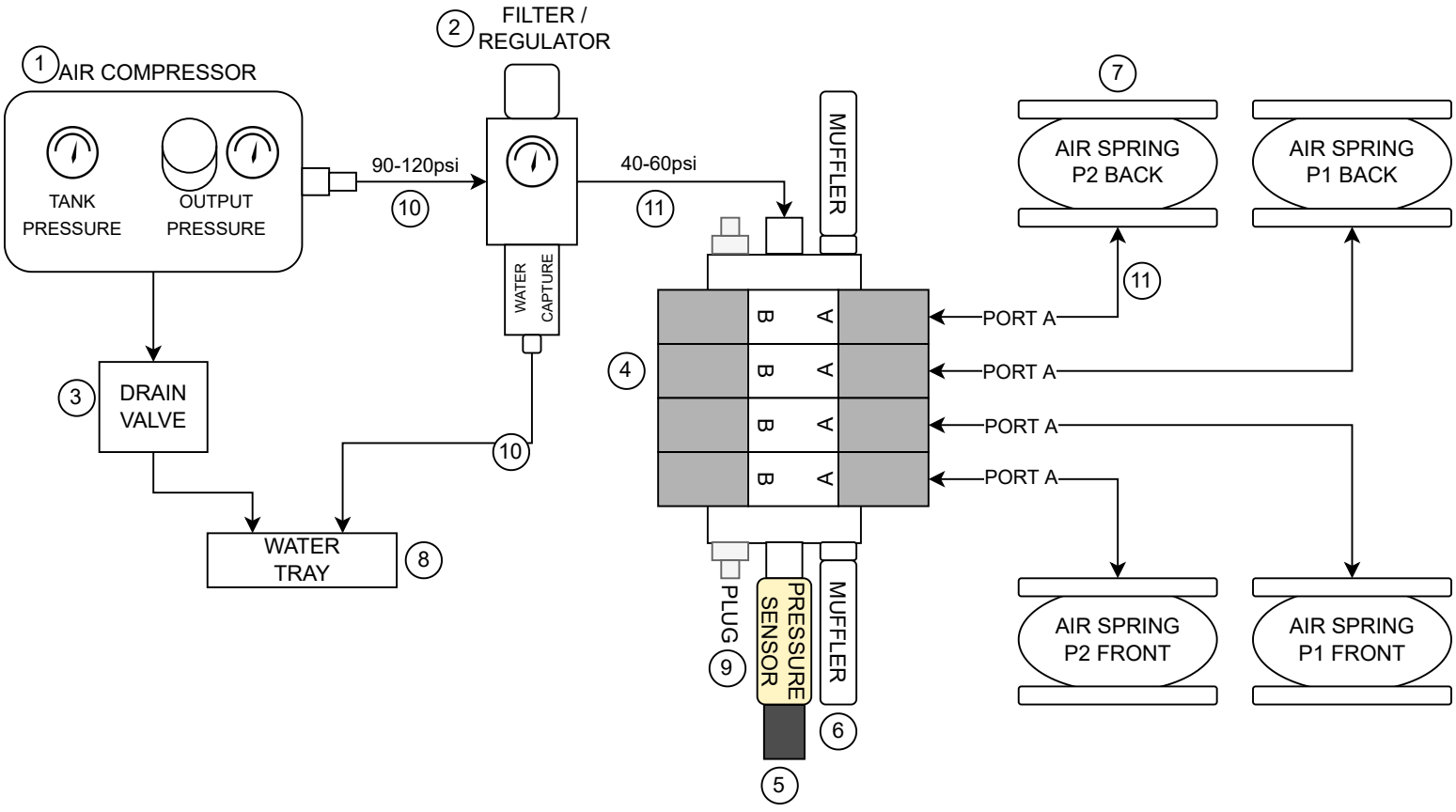


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	603-00867-01	SB3 Speaker Housing-RM (BLACK)	1
2	2-1-10-00-00-000	5.25 Full Range Speaker, 8 ohm	1
3	90935A194	90935A194_PAN HEAD PHILLIPS SCREW FOR SHEET METAL	8
4	600-02154-01	SB3- Speaker Grill	1
5	500-00184-01-56	RGB with Foam Tape-56 cm Speakers	1
6	603-00890-01	SB3 Speaker Cover -IM (Plated)	1
7	90925A199	TORX DRIVE SCREW FOR SHEET METAL	4

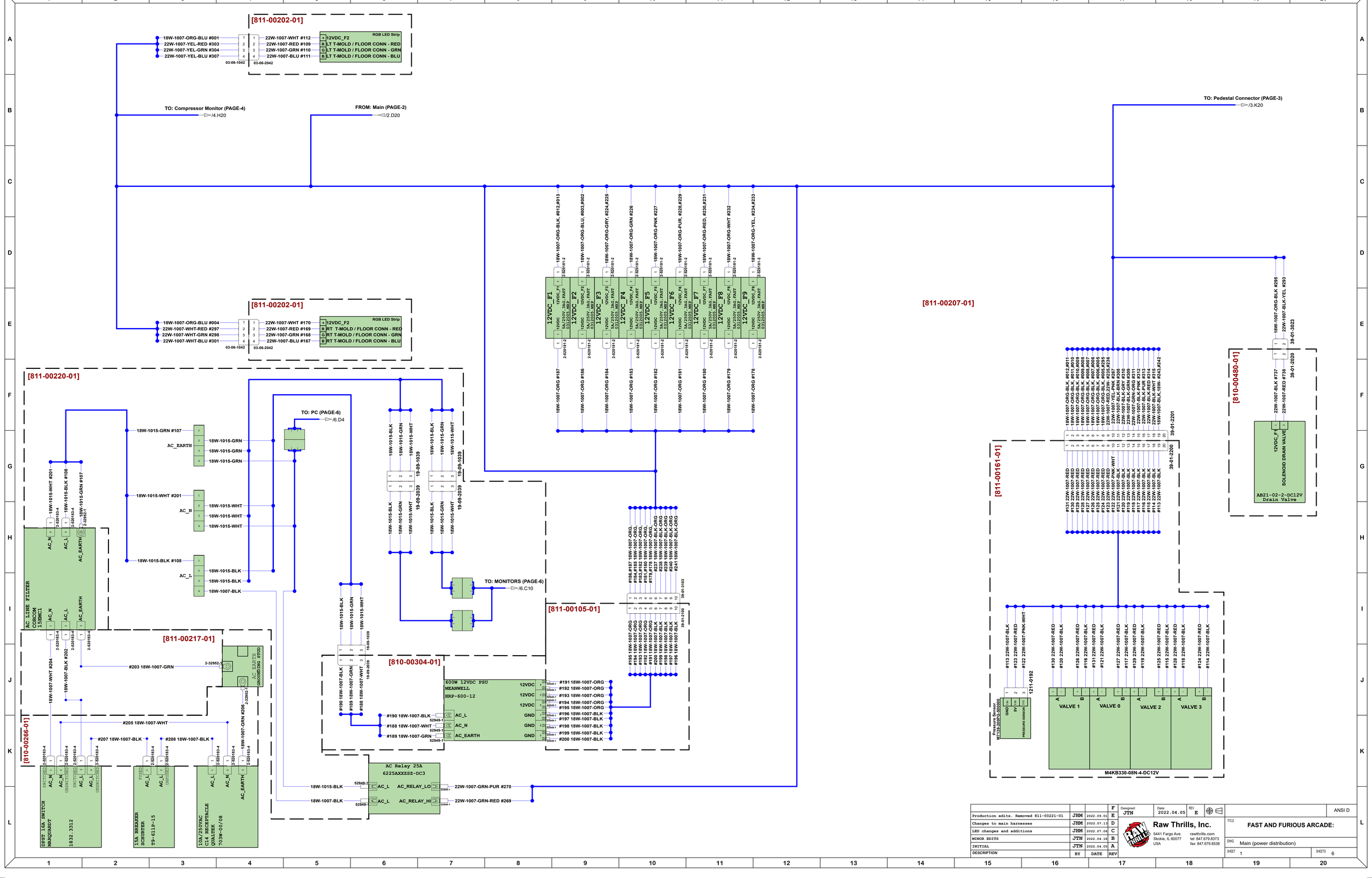
Audio Amplifier DIP Switch Settings



FAST AND FURIOUS ARCADE
PNEUMATIC SYSTEM DIAGRAM
REV A



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1 (120VAC)	604-00066-01	120V UL/CSA AIR COMPRESSOR - MAKITA MAC210Q	1
1 (230VAC)	604-00067-01	230V CE AIR COMPRESSOR - ELUAN EWS24	1
2	604-00046-01	AIR FILTER / REGULATOR ASSEMBLY	1
3	604-00060-01	12V SOLENOID DRAIN VALVE	1
4	604-00045-01	4 STATION AIR MANIFOLD ASSEMBLY	1
5	500-00195-01	PRESSURE SENSOR	1
6	604-00068-01	HIGH FLOW NOISE REDUCING MUFFLER	2
7	800-00074-01	AIR SPRING	4
8	600-01437-01	AIR COMPRSESOR CONDENSATION TRAY	1
9	604-00069-01	STEEL, HEX-SOCKET PLUG, 3/8 PIPE SIZE	2
10	5648K71	POLYURETHANE TUBING, 0.245" ID, 3/8" OD, 0.065" WALL THICKNESS	-
11	5648K74	POLYURETHANE TUBING, 1/8" ID, 1/4" OD, .062" WALL THICKNESS	-



			F	Designed: JTN	Date: 2022.04.05	REV E	ANSI D
Production edits. Removed 811-00221-01	JHM	2022.09.01	E				
Changes to main harnesses	JHM	2022.07.13	D				
LED changes and additions	JHM	2022.07.06	C				
MINOR EDITS	JTN	2022.04.18	B				
INITIAL	JTN	2022.04.05	A				
DESCRIPTION	BY	DATE	REV				

Raw Thrills, Inc.
5441 Fargo Ave.
Skokie, IL 60077
USA
rawthrills.com
tel: 847.679.8373
fax: 847.679.8538

TITLE: FAST AND FURIOUS ARCADE:

DWG: Main (power distribution)

SHEET: 1 SHEETS: 6

Earth GNDs:
#739: RIO2 plate
#776: RIO2 plate -> AC line filter plate

18W-1007-GRN-YEL #739 — 2-32952-1 — 2-32952-1 — 18W-1007-GRN-YEL #776 — 2-32952-1

500-00199-05 [RIO2]

39-01-2240 (P1)
- 18W-1007-ORG-BLK #320
- 22W-1007-RED #325
- 22W-1007-GRN-RED #353
- 22W-1007-GRN-PUR #354
- 18W-1007-BLK-ORG #331
- 18W-1007-BLK-ORG #332
- 18W-1007-BLK-ORG #333
- 18W-1007-BLK #327
- 18W-1007-BLK #326
- 18W-1007-BLK #328

39-01-2100 (P2)
- 22W-1007-BLU-RED #356
- 22W-1007-BLU-GRN #357
- 22W-1007-BLU-BRN #358
- 22W-1007-RED-ORG #359
- 22W-1007-RED-GRN #360

39-01-2220 (P7)
- 22W-1007-BRN-YEL #355
- 22W-1007-BLK-BRN #363
- 22W-1007-BLK-GRY #362
- 22W-1007-BLK-GRN #364
- 22W-1007-GRN-ORG #365
- 22W-1007-BLK-PNK #366
- 22W-1007-BLK-PUR #367
- 22W-1007-BLK-RED #368
- 22W-1007-BLK-WHT #369
- 22W-1007-BLK-YEL #370
- 22W-1007-PNK-BLK #371
- 22W-1007-PNK-BRN #372
- 22W-1007-PNK-GRY #373
- 22W-1007-PNK-ORG #374
- 22W-1007-BRN-RED #375
- 22W-1007-BRN-GRN #376
- 22W-1007-BRN-BLU #377
- 22W-1007-GRY-BLU #380

P2:
- SPOILER - RED
- SPOILER - GRN
- SPOILER - BLU
- L&R WHEEL SPOKE - 4
- L&R WHEEL SPOKE - 5

P7:
- COIN METER
- SOLENOID UP 0
- SOLENOID UP 1
- SOLENOID UP 2
- SOLENOID UP 3
- SOLENOID DOWN 0
- SOLENOID DOWN 1
- SOLENOID DOWN 2
- SOLENOID DOWN 3
- SOLENOID DRAIN VALVE
- START LAMP
- VIEW LAMP
- TUNES LAMP
- STOP MOTION LAMP
- LT PED / LOGO / SPKR - RED
- LT PED / LOGO / SPKR - GRN
- LT PED / LOGO / SPKR - BLU
- RT PED / LOGO / SPKR - RED
- RT PED / LOGO / SPKR - GRN
- RT PED / LOGO / SPKR - BLU

P4:
- TEST — 22W-1061-BLK-BLU #334
- SERVICE — 22W-1061-PUR-WHT #335
- VOL+ — 22W-1061-RED-PUR #336
- VOL- — 22W-1061-RED-PNK #337
- COIN 1 — 22W-1061-GRY-PNK #338
- P1 E-TICKET DRIVE — 22W-1061-GRN-BLK #339
- P1 E-TICKET NOTCH — 22W-1061-GRN-BLU #340
- START — 22W-1061-YEL-BLK #341
- TUNES — 22W-1061-YEL-GRY #342
- VIEW — 22W-1061-YEL-BRN #343
- FL HEIGHT SENSOR — 22W-1061-WHT-BLK #344
- FR HEIGHT SENSOR — 22W-1061-WHT-BRN #345
- RL HEIGHT SENSOR — 22W-1061-WHT-GRY #346
- RR HEIGHT SENSOR — 22W-1061-WHT-ORG #347
- STEERING — 22W-1061-WHT-PNK #348
- GAS — 22W-1061-WHT-PUR #349
- BRAKE — 22W-1061-WHT-RED #350
- PRESSURE SENSOR — 22W-1061-YEL-PNK #351
- MOTION STOP — 22W-1061-YEL-ORG #352
- CAN - HI — RED RED
- CAN - LO — BLK BLK

51353-3800

P5:
- L&R WHEEL SPOKE - 1
- L&R WHEEL SPOKE - 2
- L&R WHEEL SPOKE - 3
- L&R WHEEL - RED
- L&R WHEEL - ORG
- L&R WHEEL - BLU
- CENTER BRAKE (LED STRIP)
- TAIL PIPE
- BUTTONS (PUCKS)
- MARQUEE
- LICENSE / SEAT / DASH
- CAMERA - RED
- CAMERA - GRN
- CAMERA - BLU
- LT T-MOLD / FLOOR CONN. RED
- LT T-MOLD / FLOOR CONN. GRN
- LT T-MOLD / FLOOR CONN. BLU
- RT T-MOLD / FLOOR CONN. RED
- RT T-MOLD / FLOOR CONN. GRN
- RT T-MOLD / FLOOR CONN. BLU

RIO2

P6:
- 22W-1007-BLU-BLK #381
- 22W-1007-BLU-GRY #382
- 22W-1007-BLU-ORG #383
- 22W-1007-PNK-RED #384
- 22W-1007-PNK-GRN #385
- 22W-1007-BLU-PUR #388
- 22W-1007-BLU-PNK #387
- 22W-1007-BLU-PUR #388
- 18W-1007-BRN-BLK #391
- 18W-1007-BLU-YEL #390
- 22W-1007-PUR-GRN #393
- 22W-1007-PUR-BLU #394
- 22W-1007-YEL-GRN #396
- 22W-1007-YEL-BLU #397
- 22W-1007-WHT-GRN #399
- 22W-1007-WHT-BLU #400

39-01-2200

USB #741 → /6.D5 TO: PC (PAGE-6)

18W-1007-ORG-RED #322
18W-1007-BLK-ORG #330
CBL8,CBL9 RED,
CBL8,CBL9 BLK,

39-01-2060

H-Bridge [500-00251-01]
- 12VDC_F7
- GND
- CAN - HI
- CAN - LO

3-643817-2
- FF+
- FF-

18W-1007-RED-WHT #401
18W-1007-RED-YEL #402

USB #742

5.1 Audio Amp [500-00010-01]
- AUDIO
- GND
- 12VDC_F8

39-01-2040

- FRONT RT+
- FRONT LT+
- FRONT RT -
- FRONT LT -

39-01-2140

- DASH SUB +
- SEAT SUB +
- REAR RIGHT +
- REAR LEFT +
- DASH SUB -
- SEAT SUB -
- REAR RIGHT -
- REAR LEFT -

18W-1007-BLK-YEL #370
18W-1007-GRN-YEL #739

39-01-3043

[811-00250-01]
- 18W-1007-ORG-BLU #761
- 18W-1007-BLU-YEL #762
- 18W-1007-ORG-YEL #763
- 18W-1007-BLK #764

39-01-2040

18W-1007-ORG-BLK #321
18W-1007-ORG-BLU #320
18W-1007-ORG-YEL #324
18W-1007-BLK #328

[811-00206-01]

39-01-2241
- 18W-1007-ORG-BLK #320
- 18W-1007-ORG-BLU #321
- 18W-1007-ORG-RED #322
- 18W-1007-ORG-WHT #323
- 18W-1007-ORG-YEL #324
- 22W-1007-RED #325
- 18W-1007-BLK #326
- 18W-1007-BLK #327
- 18W-1007-BLK-ORG #329
- 18W-1007-BLK-ORG #330
- 18W-1007-BLK-ORG #331
- 18W-1007-BLK-ORG #332
- 18W-1007-BLK-ORG #333
- 22W-1061-YEL-BLK #341
- 22W-1007-PNK-BLK #371
- 22W-1061-YEL-BRN #343
- 22W-1007-PNK-BRN #372
- 22W-1061-YEL-GRY #342
- 22W-1007-PNK-GRY #373
- 22W-1061-YEL-ORG #352
- 22W-1007-PNK-ORG #374
- 22W-1061-WHT-PNK #348
- 22W-1061-BLK-BLU #334

39-01-2240
- 18W-1007-ORG-BLK #013
- 18W-1007-ORG-BLU, #001,#002
- 18W-1007-ORG-RED #231
- 18W-1007-ORG-WHT #232
- 18W-1007-ORG-YEL #233
- 22W-1007-RED #236
- 18W-1007-BLK #242
- 18W-1007-BLK #244
- 18W-1007-BLK-ORG #237
- 18W-1007-BLK-ORG #238
- 18W-1007-BLK-ORG #239
- 18W-1007-BLK-ORG #240
- 18W-1007-BLK-ORG #241
- 22W-1007-YEL-BLK #245
- 22W-1007-PNK-BLK #249
- 22W-1007-YEL-BRN #246
- 22W-1007-PNK-BRN #250
- 22W-1007-YEL-GRY #247
- 22W-1007-PNK-GRY #251
- 22W-1007-YEL-ORG #248
- 22W-1007-PNK-ORG #252
- 22W-1007-WHT-PNK #253
- 22W-1007-BLK-BLU #254

TO: Main (PAGE-1) /1.C5

39-01-2221
- 22W-1061-PUR-WHT #335
- 22W-1061-RED-PNK #337
- 22W-1061-RED-PUR #336
- 22W-1061-GRY-PNK #338
- 22W-1061-GRN-BLU #340
- 22W-1061-GRN-BLK #339
- 22W-1061-WHT-RED #350
- 22W-1061-WHT-PUR #349
- 22W-1061-WHT-BLK #344
- 22W-1061-WHT-BRN #345
- 22W-1061-WHT-GRY #346
- 22W-1061-WHT-ORG #347
- 22W-1061-YEL-PNK #351
- 22W-1061-YEL-BRN #355
- 22W-1007-GRN-RED #353
- 22W-1007-GRN-PUR #354
- 22W-1007-GRY-RED #378
- 22W-1007-GRY-GRN #379
- 22W-1007-GRY-BLU #380
- 22W-1007-BRN-RED #375
- 22W-1007-BRN-GRN #376
- 22W-1007-BRN-BLU #377

39-01-2220
- 22W-1007-PUR-WHT #255
- 22W-1007-RED-PNK #256
- 22W-1007-RED-PUR #257
- 22W-1007-GRY-PNK #258
- 22W-1007-GRN-BLU #259
- 22W-1007-GRN-BLK #260
- 22W-1007-WHT-YEL #261
- 22W-1007-WHT-PUR #262
- 22W-1007-WHT-BLK #263
- 22W-1007-WHT-BRN #264
- 22W-1007-WHT-GRY #265
- 22W-1007-WHT-ORG #266
- 22W-1007-YEL-PNK #267
- 22W-1007-BRN-YEL #268
- 22W-1007-GRN-RED #269
- 22W-1007-GRN-PUR #270
- 22W-1007-GRY-RED #271
- 22W-1007-GRY-GRN #272
- 22W-1007-GRY-BLU #273
- 22W-1007-BRN-RED #274
- 22W-1007-BRN-GRN #275
- 22W-1007-BRN-BLU #276

39-01-2221
- 22W-1007-BLU-RED #277
- 22W-1007-BLU-GRN #278
- 22W-1007-BLU-BRN #279
- 22W-1007-BLU-BLK #280
- 22W-1007-BLU-GRY #281
- 22W-1007-BLU-ORG #282
- 22W-1007-PUR-RED #283
- 22W-1007-PUR-GRN #284
- 22W-1007-PUR-BLU #285
- 22W-1007-PNK-RED #286
- 22W-1007-PNK-GRN #287
- 22W-1007-PNK-BLU #288
- 22W-1007-BLU-PUR #289
- 22W-1007-BLU-WHT #290
- 22W-1007-BLU-PNK #291
- 18W-1007-BRN-BLK #292

39-01-2201
- CBL9 RED
- CBL9 BLK
- 22W-1007-BLK-YEL #370
- 18W-1007-GRN-YEL #739

39-01-2200
- 22W-1007-WHT-RED #398
- 22W-1007-WHT-GRN #399
- 22W-1007-WHT-BLU #400
- 22W-1007-YEL-RED #395
- 22W-1007-YEL-GRN #396
- 22W-1007-YEL-BLU #397
- 22W-1007-BLK-BRN #363
- 22W-1007-BLK-GRY #362
- 22W-1007-BLK-GRN #364
- 22W-1007-GRN-ORG #365
- 22W-1007-BLK-PNK #366
- 22W-1007-BLK-PUR #367
- 22W-1007-BLK-RED #368
- 22W-1007-BLK-WHT #369

39-01-3143 — 39-01-2140
- 22W-1007-WHT-RED, #296,#297
- 22W-1007-WHT-GRN, #298,#299
- 22W-1007-WHT-BLU, #300,#301
- 22W-1007-YEL-RED, #302,#303
- 22W-1007-YEL-GRN, #304,#305
- 22W-1007-YEL-BLU, #306,#307
- 22W-1007-BLK-BRN #308
- 22W-1007-BLK-GRY #310
- 22W-1007-BLK-GRN #309
- 22W-1007-GRN-ORG #311
- 22W-1007-BLK-PNK #312
- 22W-1007-BLK-PUR #313
- 22W-1007-BLK-RED #314
- 22W-1007-BLK-WHT #315

22W-1007-RED-ORG #359
22W-1007-RED-GRN #360

18W-1007-RED-WHT #401
18W-1007-RED-YEL #402

39-01-3063 — 39-01-2060
- 22W-1007-RED-ORG #318
- 22W-1007-RED-GRN #319
- 18W-1007-RED-WHT #316
- 18W-1007-RED-YEL #317

CBL10 RED
CBL10 BLK
CBL11 RED
CBL11 BLK
CBL12 RED
CBL12 BLK
CBL13 RED
CBL13 BLK
CBL14 RED
CBL14 BLK
CBL15 RED
CBL15 BLK

39-01-3123 — 39-01-2120
- CBL2 RED
- CBL2 BLK
- CBL3 RED
- CBL3 BLK
- CBL4 RED
- CBL4 BLK
- CBL5 RED
- CBL5 BLK
- CBL6 RED
- CBL6 BLK
- CBL7 RED
- CBL7 BLK

[811-00230-01]

18W-1007-ORG-BLU #761
18W-1007-BLU-YEL #762

39-01-3023 — 39-01-2020

CBL43 RED
CBL43 BLK

White LED Strip
- 12VDC_F2
- MARQUEE

[810-00046-01]

18W-1007-ORG-YEL #763
18W-1007-BLK #764

03-09-2022 — 03-09-1022

22W-1007-RED #166
22W-1007-BLK #165

22W-1007-RED #166
22W-1007-BLK #165

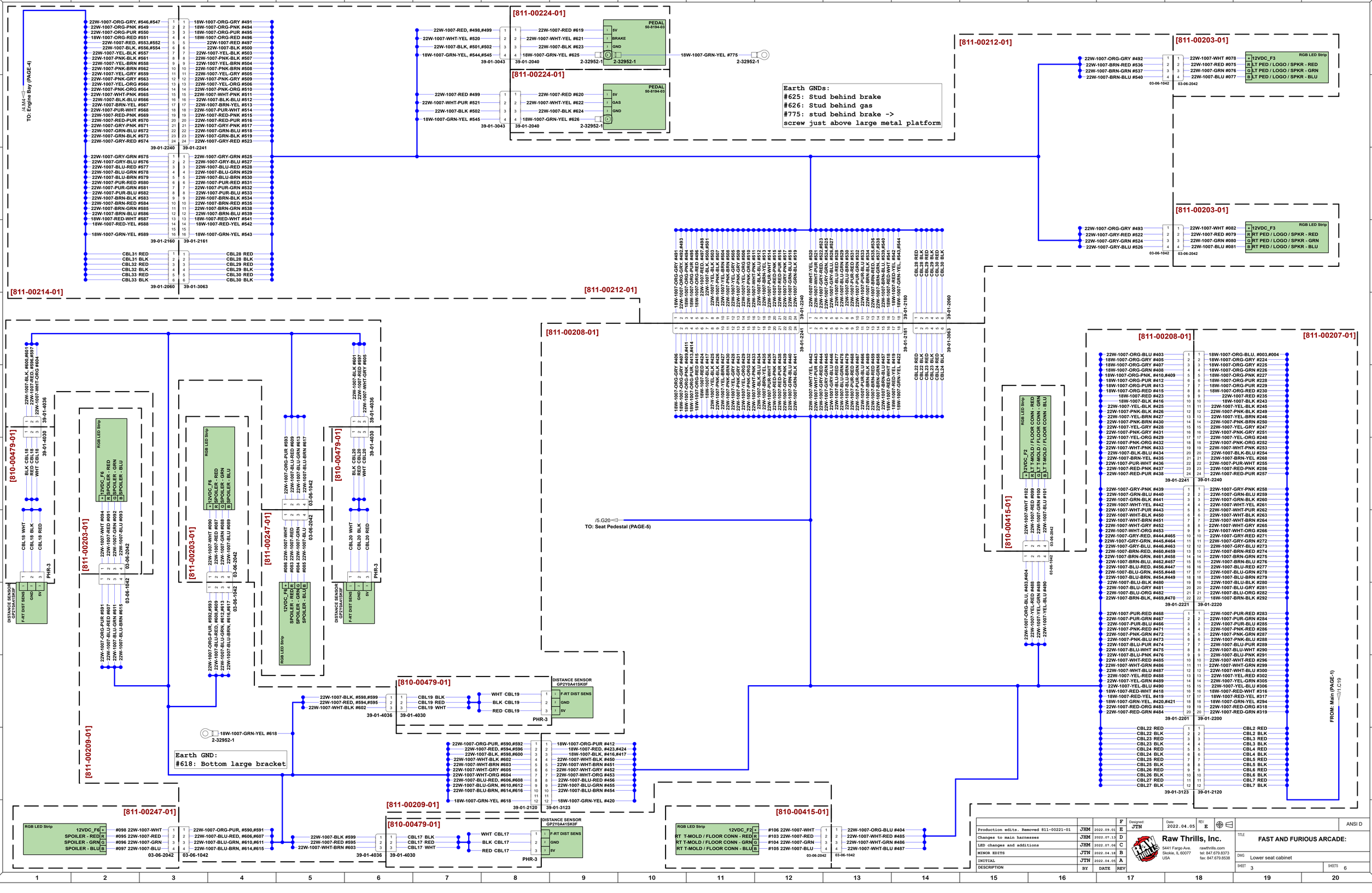
CK-3277 12VDC 2 PIN
- 12VDC_F9
- GND

			F	Designed: JTN	Date: 2022.04.05	REV E
Production edits. Removed 811-00221-01	JHM	2022.09.01	E			
Changes to main harnesses	JHM	2022.07.13	D			
LED changes and additions	JHM	2022.07.06	C			
MINOR EDITS	JTN	2022.04.18	B			
INITIAL	JTN	2022.04.05	A			
DESCRIPTION	BY	DATE	REV			

Raw Thrills, Inc.
5441 Fargo Ave.
Skokie, IL 60077
USA
rawthrills.com
tel: 847.679.8373
fax: 847.679.8538

ANSI D

TITLE: FAST AND FURIOUS ARCADE:
DWG: Main (Front door)
SHEET: 2 SHEETS: 6


[811-00214-01]
[811-00212-01]
[811-00208-01]
[811-00207-01]
[811-00209-01]
[811-00203-01]
[811-00247-01]
[811-00479-01]
[811-00224-01]
[811-00415-01]
Earth GNDs:
#625: Stud behind brake
#626: Stud behind gas
#775: stud behind brake ->
screw just above large metal platform
Earth GND:
#618: Bottom large bracket
TO: Engine Bay (PAGE-4)
TO: Seat Pedestal (PAGE-5)
FROM: Main (PAGE-1)
PEDAL 50-8194-03
RGB LED Strip
DISTANCE SENSOR GP2Y0A41SK0F
Raw Thrills, Inc.
5441 Fargo Ave.
Skokie, IL 60077
USA
rawthrills.com
tel: 847.679.8373
fax: 847.679.8538
FAST AND FURIOUS ARCADE:
Lower seat cabinet
Designed: JTN
Date: 2022.04.05
REV E
ANSI D
SHEET 3
SHEETS 6

Earth GNDs:
#652: Dash
#772: Dash -> test bracket

[811-00069-01]
[810-00420-01]
[811-00154-01]
[811-00153-01]
[811-00163-01]
[810-00266-01]
[811-00210-01]
[811-00214-01]
[810-00005-01]
[811-00246-01]
[810-00402-01]
[811-00079-01]
[810-00415-01]
[811-00215-01]
[811-00207-01]
[811-00216-01]

AS-1870
TEST BRACKET

P1 UCL

POTENTIOMETER

DC MOTOR

WEB CAM
500-00185-01

SPEAKER
2-1-18-00-00-000

RGB LED Strip

807-00003-00

DPST 16A SWITCH
MARQUARDT
1832.3312

15A BREAKER
SCHURTER
T9-6112-15

10A/250VAC
C14 RECEPTACLE
QUALTEK
7039W-00/08

NEMA 5-15R Female
AC LINE CORD
COMPRESSOR
MAC2100Z

AUB1212H-CK15
12VDC FAN

6225AXXZSZ-DC3
AC Relay 25A

AC EARTH
GROUNDING STUD

12VDC FAN
AUB1212H-CK15

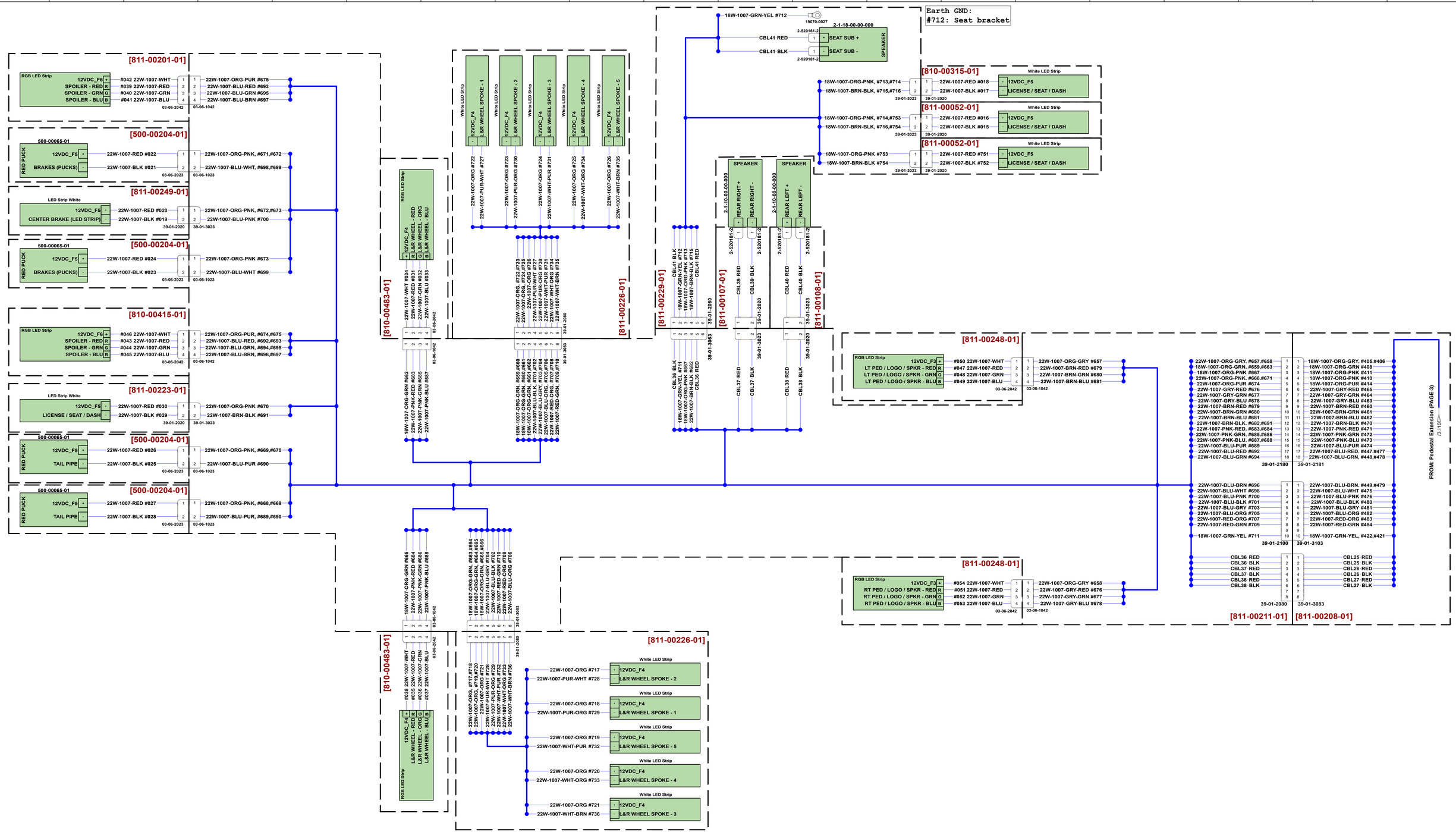
Compressor Monitor
[500-00253-01]

TO: PC (PAGE-6) /6.D6
From: Main (PAGE-1) /1.C3
FROM: Pedals (PAGE-3) /3.C1

			F	Designed: JTN	Date: 2022.04.05	REV E	ANSI D
Production edits. Removed 811-00221-01	JHM	2023.09.01	E				
Changes to main harnesses	JHM	2022.07.13	D				
LED changes and additions	JHM	2022.07.06	C				
MINOR EDITS	JTN	2022.04.18	B				
INITIAL	JTN	2022.04.05	A				
DESCRIPTION	BY	DATE	REV				

Raw Thrills, Inc.
5441 Fargo Ave.
Skokie, IL 60077
USA
rawthrills.com
tel: 847.679.8373
fax: 847.679.8538

TITLE: FAST AND FURIOUS ARCADE:
DWG: Compressor + seat cabinet dash
SHEET: 4
SHEETS: 6



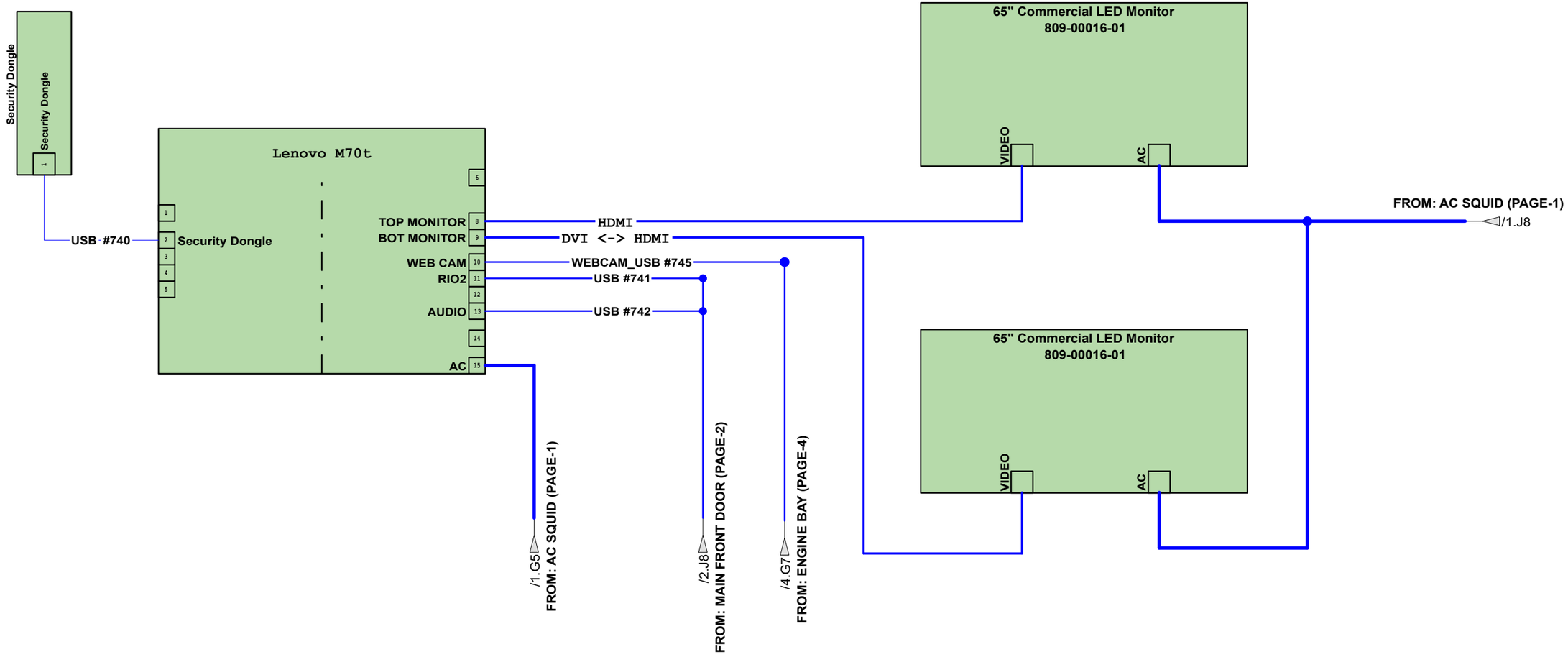
			F	Designed: JTN	Date: 2022.04.05	REV E		ANSI D
Production edits. Removed 811-00221-01	JHM	2022.09.01	E					
Changes to main harnesses	JHM	2022.07.13	D					
LED changes and additions	JHM	2022.07.06	C					
MINOR EDITS	JTN	2022.04.18	B					
INITIAL	JTN	2022.04.05	A					
DESCRIPTION	BY	DATE	REV					

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Skokie, IL 60077
USA
rawthrills.com
tel: 847.679.8373
fax: 847.679.8538

TITLE: FAST AND FURIOUS ARCADE:

DWG: Seat + wheels

SHEET: 5 SHEETS: 6



DESCRIPTION	BY	DATE	REV
			F
Production edits. Removed 811-00221-01	JHM	2022.09.01	E
Changes to main harnesses	JHM	2022.07.13	D
LED changes and additions	JHM	2022.07.06	C
MINOR EDITS	JTN	2022.04.18	B
INITIAL	JTN	2022.04.05	A

Designed: JTN
Date: 2022.04.05
REV: E

Raw Thrills, Inc.
5441 Fargo Ave.
Skokie, IL 60077
USA
rawthrills.com
tel: 847.679.8373
fax: 847.679.8538

ANSI B

TITLE: FAST AND FURIOUS ARCADE: SYSTEM DIAGRAM

DWG: PC + monitors

SHEET: 6 SHEETS: 6

[811-00202-01]

18W-1007-ORG-BLU #001
22W-1007-YEL-RED #303
22W-1007-YEL-GRN #304
22W-1007-YEL-BLU #307
03-06-1042

22W-1007-WHT #112
22W-1007-RED #109
22W-1007-GRN #110
22W-1007-BLU #111
03-06-2042

RGB LED Strip
12VDC_F2
LT T-MOLD / FLOOR CONN - RED
LT T-MOLD / FLOOR CONN - GRN
LT T-MOLD / FLOOR CONN - BLU

TO: Compressor Monitor (PAGE-4)
/4.H20

FROM: Main (PAGE-2)
/2.D20

[811-00202-01]

18W-1007-ORG-BLU #004
22W-1007-WHT-RED #297
22W-1007-WHT-GRN #298
22W-1007-WHT-BLU #301
03-06-1042

22W-1007-WHT #170
22W-1007-RED #169
22W-1007-GRN #168
22W-1007-BLU #167
03-06-2042

RGB LED Strip
12VDC_F2
RT T-MOLD / FLOOR CONN - RED
RT T-MOLD / FLOOR CONN - GRN
RT T-MOLD / FLOOR CONN - BLU

[811-00220-01]

18W-1015-GRN #107
AC_EARTH
18W-1015-WHT #201
AC_N
18W-1015-BLK #108
AC_L
18W-1007-BLK
METAL BRAIDED
AC EARTH GROUNDING STUD

TO: PC (PAGE-6)
/6.D4

AC LINE FILTER
CORCOM
1.5EMC1
AC_N
AC_L
AC_EARTH
2-520183-4
2-520183-1
2-520197
18W-1015-WHT #201
18W-1015-BLK #108
18W-1015-GRN #107
/3.J15
/2.B5
#784
#783

[811-00217-01]

#203 18W-1007-GRN
#204 18W-1007-WHT
#202 18W-1007-BLK
#205 18W-1007-WHT
#206 18W-1007-GRN
#207 18W-1007-BLK
#208 18W-1007-BLK

[810-00266-01]

DPSF 16A SWITCH
MARQUARDT
1830.3312
SWITCHED
UNSWITCHED

15A BREAKER
SCHURTER
T9-611P-15
FUSED
SWITCHED

10A/250VAC
C14 RECEPTACLE
QUALTEK
7039-00/08

Earth GNDs:
Metal braided (L-443-15): AC inlet plate -> AC line filter plate
#783 (L-470-12): AC line filter plate -> electronics plate
#784 (CA-5171): AC line filter plate -> CA-5172

18W-1007-ORG-BLK, #012,#013
18W-1007-ORG-BLU, #002,#003
18W-1007-ORG-GRY, #224,#225
18W-1007-ORG-GRN #226
18W-1007-ORG-PNK #227
18W-1007-ORG-PUR, #228,#229
18W-1007-ORG-RED, #231,#230
18W-1007-ORG-WHT #232
18W-1007-ORG-YEL, #234,#233

12VDC_F1 … 12VDC_F9
12VDC
5A/250V, 3AG, FAST
0312005.MXP
2-520181-2

18W-1007-ORG #187
18W-1007-ORG #186
18W-1007-ORG #184
18W-1007-ORG #183
18W-1007-ORG #182
18W-1007-ORG #181
18W-1007-ORG #180
18W-1007-ORG #179
18W-1007-ORG #178

[811-00207-01] + [811-00334-01]

TO: Pedestal Connector (PAGE-3)
/3.K20

18W-1007-ORG-BLK #295
22W-1007-BLK-YEL #283
39-01-3023

[810-00480-01]

22W-1007-BLK #737
22W-1007-RED #738
39-01-2020

12VDC_F1
SOLENOID DRAIN VALVE
AB21-02-2-DC12V
Drain Valve

18W-1007-ORG-BLK, #012,#011
18W-1007-ORG-BLK, #011,#010
18W-1007-ORG-BLK, #010,#009
18W-1007-ORG-BLK, #009,#008
18W-1007-ORG-BLK, #008,#007
18W-1007-ORG-BLK, #007,#006
18W-1007-ORG-BLK, #006,#005
18W-1007-ORG-BLK, #005,#295
22W-1007-RED,22W #236,#235
22W-1007-BLK-PNK #237
22W-1007-BLK-BRN #308
22W-1007-BLK-GRY #310
22W-1007-GRN-ORG #309
22W-1007-GRN-ORG #311
22W-1007-BLK-PNK #312
22W-1007-BLK-BLU #313
22W-1007-BLK-RED #314
22W-1007-BLK-WHT #315
18W-1007-BLK,18W #244,#243
39-01-2201

22W-1007-RED #131
22W-1007-RED #130
22W-1007-RED #129
22W-1007-RED #128
22W-1007-RED #127
22W-1007-RED #126
22W-1007-RED #125
22W-1007-RED #124
22W-1007-RED #123
22W-1007-PNK-WHT #122
22W-1007-BLK #121
22W-1007-BLK #120
22W-1007-BLK #119
22W-1007-BLK #118
22W-1007-BLK #117
22W-1007-BLK #116
22W-1007-BLK #115
22W-1007-BLK #114
22W-1007-BLK #113
39-01-2200

[811-00161-01]

#113 22W-1007-BLK
#123 22W-1007-RED
#122 22W-1007-PNK-WHT
1211-0192
Pressure Sensor
MT139.20GP-S-500000
GND
5V
PRESSURE SENSOR

#130 22W-1007-RED
#120 22W-1007-BLK
#126 22W-1007-RED
#116 22W-1007-BLK
#131 22W-1007-RED
#121 22W-1007-BLK
#127 22W-1007-RED
#117 22W-1007-BLK
#129 22W-1007-RED
#119 22W-1007-BLK
#125 22W-1007-RED
#115 22W-1007-BLK
#128 22W-1007-RED
#118 22W-1007-BLK
#124 22W-1007-RED
#114 22W-1007-BLK
VALVE 1
VALVE 0
VALVE 2
VALVE 3
M4KB330-08N-4-DC12V

[811-00105-01]

#186,#187 18W-1007-ORG
#184,#185 18W-1007-ORG
#182,#183 18W-1007-ORG
#181,#180 18W-1007-ORG
#179,#178 18W-1007-ORG
#237,#236 18W-1007-BLK-ORG
#238 18W-1007-BLK-ORG
#239 18W-1007-BLK-ORG
#240 18W-1007-BLK-ORG
#241 18W-1007-BLK-ORG
39-01-3103
39-01-2100

#195 18W-1007-ORG
#194 18W-1007-ORG
#193 18W-1007-ORG
#192 18W-1007-ORG
#191 18W-1007-ORG
#197 18W-1007-BLK
#199 18W-1007-BLK
#198 18W-1007-BLK
#196 18W-1007-BLK

TO: MONITORS (PAGE-6)
/6.C10

[810-00304-01]

600W 12VDC PSU
MEANWELL
HRP-600-12
12VDC
GND
AC_L
AC_N
AC_EARTH
52949-1
#191 18W-1007-ORG
#192 18W-1007-ORG
#193 18W-1007-ORG
#194 18W-1007-ORG
#195 18W-1007-ORG
#196 18W-1007-BLK
#197 18W-1007-BLK
#198 18W-1007-BLK
#199 18W-1007-BLK
#200 18W-1007-BLK
#190 18W-1007-BLK
#188 18W-1007-WHT
#189 18W-1007-GRN

18W-1015-BLK
18W-1015-GRN
18W-1015-WHT
19-09-1039
19-09-2039

AC Relay 25A
6225AXXZSZ-DC3
AC_L
AC_RELAY_LO
AC_RELAY_HI
18W-1015-BLK
18W-1007-BLK
22W-1007-GRN-PUR #270
22W-1007-GRN-RED #269

Added wiring for coin/DBV vault	JHM	2023.04.10	F	Designed: JFN	Date: 2022.04.05	REV F
Production edits. Removed 811-00221-01	JHM	2022.09.01	E			
Changes to main harnesses	JHM	2022.07.13	D			
LED changes and additions	JHM	2022.07.06	C			
MINOR EDITS	JTN	2022.04.18	B			
INITIAL	JTN	2022.04.05	A			
DESCRIPTION	BY	DATE	REV			

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ANSI D

TITLE: FAST AND FURIOUS ARCADE:
DWG: Main (power distribution)
SHEET: 1
SHEETS: 6

Earth GNDs:
#739: electronics plate
#783 (L-470-12): AC line filter plate -> electronics plate

18W-1007-GRN-YEL #739
AC EARTH GROUNDING STUD
16W-1007-GRN #783
/1.I2

[811-00206-01]
[811-00207-01] + [811-00334-01]

TO: Main (PAGE-1)
/1.C6

500-00199-05 [RIO2]

P1: 18W-1007-ORG-BLK #320, 22W-1007-RED #325, 22W-1007-GRN-RED #353, 22W-1007-GRN-PUR #354, 18W-1007-BLK-ORG #331, 18W-1007-BLK-ORG #332, 18W-1007-BLK-ORG #333, 18W-1007-BLK #327, 18W-1007-BLK #326, 18W-1007-BLK #328, 22W-1007-BLK #786 — 39-01-2240

P2 (39-01-2100):
- SPOILER - RED — 22W-1007-BLU-RED #356
- SPOILER - GRN — 22W-1007-BLU-GRN #357
- SPOILER - BLU — 22W-1007-BLU-BRN #358
- L&R WHEEL SPOKE - 4 — 22W-1007-RED-ORG #359
- L&R WHEEL SPOKE - 5 — 22W-1007-RED-GRN #360

P3 (39-01-2220):
- COIN METER — 22W-1007-BRN-YEL #355
- SOLENOID UP 0 — 22W-1007-BLK-BRN #363
- SOLENOID UP 1 — 22W-1007-BLK-GRY #362
- SOLENOID UP 2 — 22W-1007-BLK-GRN #364
- SOLENOID UP 3 — 22W-1007-GRN-ORG #365
- SOLENOID DOWN 0 — 22W-1007-BLK-PNK #366
- SOLENOID DOWN 1 — 22W-1007-BLK-PUR #367
- SOLENOID DOWN 2 — 22W-1007-BLK-RED #368
- SOLENOID DOWN 3 — 22W-1007-BLK-WHT #369
- SOLENOID DRAIN VALVE — 22W-1007-BLK-YEL #370
- START LAMP — 22W-1007-PNK-BLK #371
- VIEW LAMP — 22W-1007-PNK-GRY #372
- TUNES LAMP — 22W-1007-PNK-ORG #373
- STOP MOTION LAMP — 22W-1007-PNK-YEL #374
- LT PED / LOGO / SPKR - RED — 22W-1007-BRN-RED #375
- LT PED / LOGO / SPKR - GRN — 22W-1007-BRN-GRN #376
- LT PED / LOGO / SPKR - BLU — 22W-1007-BRN-BLU #377
- RT PED / LOGO / SPKR - GRN — 22W-1007-GRY-GRN #379
- RT PED / LOGO / SPKR - BLU — 22W-1007-GRY-BLU #380

P4:
- TEST — 22W-1061-BLK-BLU #334
- SERVICE — 22W-1061-PUR-WHT #335
- VOL+ — 22W-1061-RED-PUR #336
- VOL- — 22W-1061-RED-PNK #337
- COIN 1 — 22W-1061-GRY-PNK #338
- COIN 2 — 22W-1061-GRY-ORG #787
- DBV — 22W-1061-GRY-PUR #788
- P1 E-TICKET DRIVE — 22W-1061-GRN-BLK #339
- P1 E-TICKET NOTCH — 22W-1061-GRN-BLU #340
- START — 22W-1061-YEL-BLK #341
- TUNES — 22W-1061-YEL-GRY #342
- VIEW — 22W-1061-YEL-BRN #343
- FL HEIGHT SENSOR — 22W-1061-WHT-BLK #344
- FR HEIGHT SENSOR — 22W-1061-WHT-BRN #345
- RL HEIGHT SENSOR — 22W-1061-WHT-GRY #346
- RR HEIGHT SENSOR — 22W-1061-WHT-ORG #347
- STEERING — 22W-1061-WHT-PNK #348
- GAS — 22W-1061-WHT-PUR #349
- BRAKE — 22W-1061-WHT-RED #350
- PRESSURE SENSOR — 22W-1061-YEL-PNK #351
- MOTION STOP — 22W-1061-YEL-ORG #352
- CAN - HI — RED RED
- CAN - LO — BLK BLK

51353-3800

P5 (39-01-2200):
- L&R WHEEL SPOKE -1 — 22W-1007-BLU-BLK #381
- L&R WHEEL SPOKE -2 — 22W-1007-BLU-GRY #382
- L&R WHEEL SPOKE -3 — 22W-1007-PNK-RED #383
- L&R WHEEL - RED — 22W-1007-PNK-RED #384
- L&R WHEEL - ORG — 22W-1007-PNK-GRN #385
- L&R WHEEL - BLU — 22W-1007-PNK-BLU #386
- CENTER BRAKE (LED STRIP) — 22W-1007-BLU-PUR #388
- TAIL PIPE — 18W-1007-BRN-BLK #391
- MARQUEE — 18W-1007-BLU-YEL #390
- LICENSE / SEAT / DASH — 22W-1007-BRN-BLK #389
- CAMERA - GRN — 22W-1007-PUR-GRN #393
- CAMERA - BLU — 22W-1007-PUR-BLU #394
- LT T-MOLD / FLOOR CONN - RED — 22W-1007-YEL-BLU #397
- LT T-MOLD / FLOOR CONN - GRN — 22W-1007-YEL-GRN #396
- LT T-MOLD / FLOOR CONN - BLU — 22W-1007-WHT-BLU #398
- RT T-MOLD / FLOOR CONN - GRN — 22W-1007-WHT-GRN #399
- RT T-MOLD / FLOOR CONN - BLU — 22W-1007-WHT-BLU #400

USB #741

/6.D5
TO: PC (PAGE-6)

18W-1007-ORG-RED #322, 18W-1007-BLK-ORG #330, CBL8,CBL9 RED, CBL8,CBL9 BLK, — 39-01-2060

12VDC_F7 | GND | CAN - HI | CAN - LO — H-Bridge [500-00251-01]

FF+ / FF- — 3-643817-2

18W-1007-RED-WHT #401 / 18W-1007-RED-YEL #402

USB #742

AUDIO — 5.1 Audio Amp [500-00010-01]

GND, 12VDC_F8 — 39-01-2040

FRONT RT+ / FRONT LT+ / FRONT RT- / FRONT LT- — 39-01-2140

DASH SUB + / SEAT SUB + / DASH SUB - / SEAT SUB - — 39-01-2140

18W-1007-BLK-ORG #329 / 18W-1007-ORG-YEL #324 — 39-01-3043

18W-1007-ORG-BLU #321 / 18W-1007-BLU-YEL #322 / 18W-1007-ORG-YEL #323 / 18W-1007-BLK #328 — 39-01-2040

[811-00250-01]

18W-1007-ORG-BLU #761 / 18W-1007-BLU-YEL #762 / 18W-1007-ORG-YEL #763 / 18W-1007-BLK #764 — 39-01-2040

[811-00230-01]

White LED Strip

18W-1007-ORG-BLU #761 / 18W-1007-BLU-YEL #762 — 39-01-3023 — CBL43 RED / CBL43 BLK — 39-01-2020 — 12VDC_F2 / MARQUEE

[810-00046-01]

18W-1007-ORG-YEL #763 / 18W-1007-BLK #764 — 03-09-2022 — 22W-1007-RED #166 / 22W-1007-BLK #165 — 03-09-1022 — 22W-1007-RED #166 / 22W-1007-BLK #165 — 12VDC_F9 / GND — CA-3277 12VDC 2 PIN

[811-00206-01]

22W-1007-BLK #786, 22W-1061-GRY-ORG #787, 22W-1061-GRY-PUR #788 — 39-01-4036 — 39-01-4030

18W-1007-ORG-BLK #320 / 18W-1007-ORG-BLU #321 — 39-01-2100 — 39-01-2101

18W-1007-ORG-RED #322 / 18W-1007-ORG-WHT #323 / 18W-1007-ORG-YEL #324 / 22W-1007-RED #325 / 18W-1007-BLK #326 / 18W-1007-BLK #327 / 18W-1007-BLK-ORG #329 / 18W-1007-BLK-ORG #330 / 18W-1007-BLK-ORG #331 / 18W-1007-BLK-ORG #332 / 18W-1007-BLK-ORG #333 / 22W-1061-YEL-BRN #343 / 22W-1007-PNK-BLK #371 / 22W-1061-YEL-BRN #343 / 22W-1007-PNK-BRN #372 / 22W-1061-YEL-GRY #342 / 22W-1007-PNK-GRY #373 / 22W-1061-YEL-ORG #352 / 22W-1007-PNK-ORG #374 / 22W-1061-WHT-PNK #348 / 22W-1061-BLK-BLU #334 — 39-01-2241 — 39-01-2240

22W-1061-PUR-WHT #335 / 22W-1061-RED-PNK #337 / 22W-1061-RED-PUR #336 / 22W-1061-GRY-PNK #338 / 22W-1061-GRN-BLU #340 / 22W-1061-GRN-BLK #339 / 22W-1061-WHT-RED #350 / 22W-1061-WHT-PUR #349 / 22W-1061-WHT-BLK #344 / 22W-1061-WHT-BRN #345 / 22W-1061-WHT-GRY #346 / 22W-1061-WHT-ORG #347 / 22W-1061-YEL-PNK #351 / 22W-1007-BRN-YEL #355 / 22W-1007-GRN-RED #353 / 22W-1007-GRN-PUR #354 / 22W-1007-GRY-RED #378 / 22W-1007-GRY-GRN #379 / 22W-1007-GRY-BLU #380 / 22W-1007-BRN-RED #375 / 22W-1007-BRN-GRN #376 / 22W-1007-BRN-BLU #377 — 39-01-2221 — 39-01-2220

22W-1007-BLU-RED #356 / 22W-1007-BLU-GRN #357 / 22W-1007-BLU-BRN #358 / 22W-1007-BLU-BLK #361 / 22W-1007-BLU-GRY #382 / 22W-1007-BLU-ORG #383 / 22W-1007-PUR-RED #392 / 22W-1007-PUR-GRN #393 / 22W-1007-PUR-BLU #394 / 22W-1007-PNK-RED #384 / 22W-1007-PNK-GRN #385 / 22W-1007-PNK-BLU #386 / 22W-1007-BLU-PUR #388 / 22W-1007-BLK-WHT #389 / 22W-1007-BLU-PNK #387 / 18W-1007-BRN-BLK #391 / CBL9 RED / CBL9 BLK / 22W-1007-BLK-YEL #370 / 18W-1007-GRN-YEL #739 — 39-01-2201 — 39-01-2200

22W-1007-WHT-RED #398 / 22W-1007-WHT-GRN #399 / 22W-1007-WHT-BLU #400 / 22W-1007-YEL-RED #395 / 22W-1007-YEL-GRN #396 / 22W-1007-YEL-BLU #397 / 22W-1007-BLK-BRN #363 / 22W-1007-BLK-GRY #362 / 22W-1007-BLK-GRN #364 / 22W-1007-GRN-ORG #365 / 22W-1007-BLK-PNK #366 / 22W-1007-BLK-PUR #367 / 22W-1007-BLK-RED #368 / 22W-1007-BLK-WHT #369 — 39-01-3143 — 39-01-2140

22W-1007-RED-ORG #359 / 22W-1007-RED-GRN #360 / 18W-1007-RED-WHT #401 / 18W-1007-RED-YEL #402 — 39-01-3063 — 39-01-2060

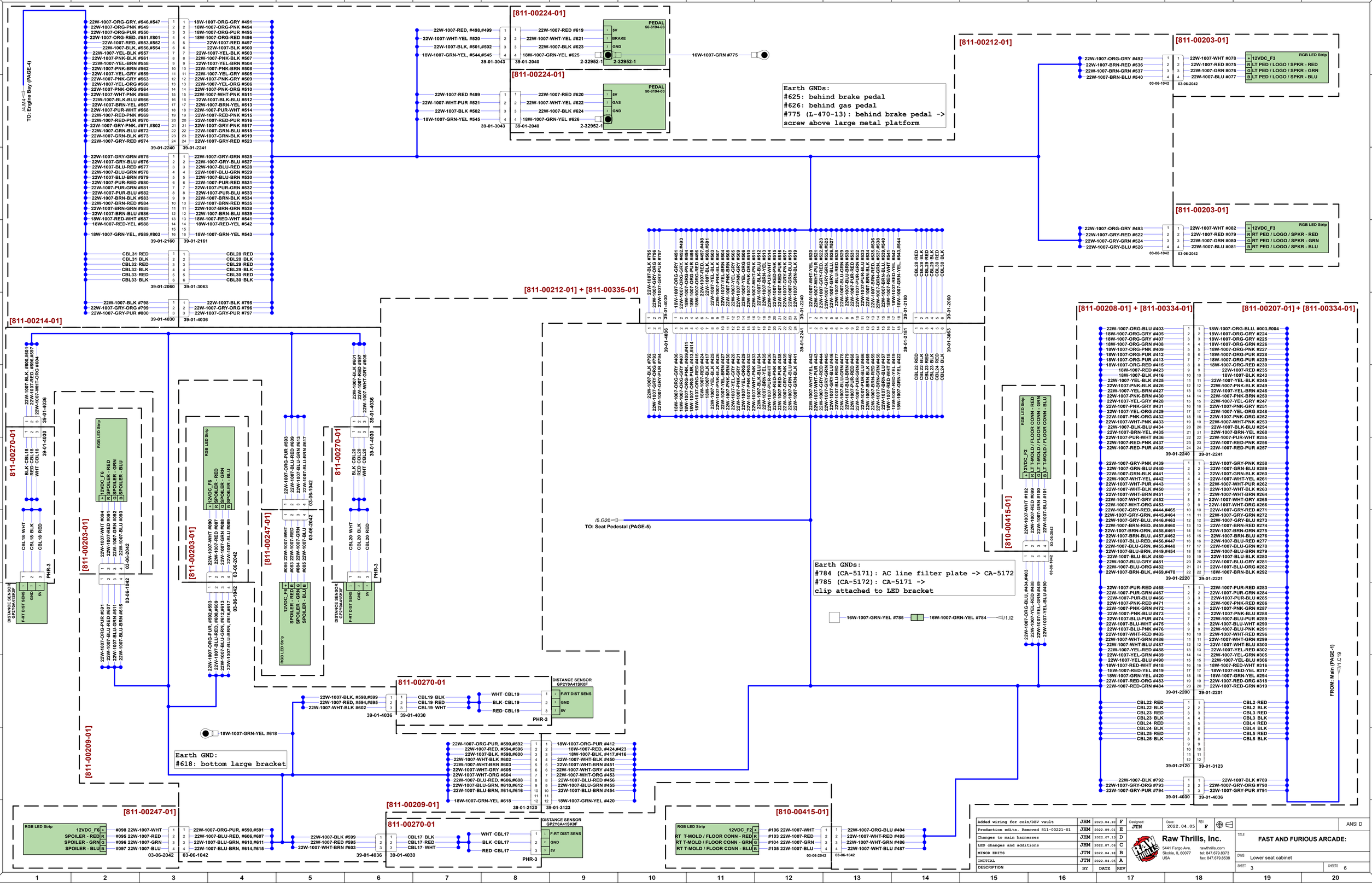
CBL10 RED / CBL10 BLK / CBL11 RED / CBL11 BLK / CBL12 RED / CBL12 BLK / CBL13 RED / CBL13 BLK — 39-01-3123 — 39-01-2120 — CBL2 RED / CBL2 BLK / CBL3 RED / CBL3 BLK / CBL4 RED / CBL4 BLK / CBL5 RED / CBL5 BLK

DESCRIPTION	BY	DATE	REV
Added wiring for coin/DBV vault	JHM	2023.04.10	F
Production edits. Removed 811-00221-01	JHM	2022.09.01	E
Changes to main harnesses	JHM	2022.07.13	D
LED changes and additions	JHM	2022.07.06	C
MINOR EDITS	JTN	2022.04.18	B
INITIAL	JTN	2022.04.05	A

Designed: JTN | Date: 2022.04.05 | REV: F | ANSI D

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TITLE: FAST AND FURIOUS ARCADE:
DWG: Main (Front door)
SHEET: 2 | SHEETS: 6



Added wiring for coin/DBV vault	JHM	2023.04.10	F	Designed: JTN	Date: 2022.04.05
Production edits. Removed 811-00221-01	JHM	2022.09.01	E		
Changes to main harnesses	JHM	2022.07.13	D		
LED changes and additions	JHM	2022.07.06	C		
MINOR EDITS	JTN	2022.04.18	B		
INITIAL	JTN	2022.04.05	A		
DESCRIPTION	BY	DATE	REV		

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ANSI D

TITLE: FAST AND FURIOUS ARCADE:

DWG: Lower seat cabinet

SHEET: 3 SHEETS: 6

Earth GNDs:
#652: dash
#772 (L-470-3): dash -> test bracket

[811-00069-01]
[810-00420-01]
[811-00154-01]
[811-00153-01]
[811-00163-01]
[811-00163-01]
[811-00163-01]
[810-00266-01]
[811-00210-01]
[811-00214-01]
[810-00005-01]
[811-00246-01]
[810-00402-01]
[811-00079-01]
[811-00079-01]
[810-00415-01]
[810-00402-01]
[811-00215-01]
[811-00207-01]
[811-00216-01]

TO: PC (PAGE-6) /6.D6
FROM: Pedals (PAGE-3) /3.C1
From: Main (PAGE-1) /1.C3
[810-00162-01]
WEBCAM_USB #745
WEB CAM 500-00155-01

Added wiring for coin/DBV vault	JHM	2023.04.10	F
Production edits. Removed 811-00221-01	JHM	2022.09.01	E
Changes to main harnesses	JHM	2022.07.13	D
LED changes and additions	JHM	2022.07.06	C
MINOR EDITS	JTN	2022.04.18	B
INITIAL	JTN	2022.04.05	A
DESCRIPTION	BY	DATE	REV

Designed: JTN
Date: 2022.04.05
REV F
ANSI D

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TITLE: FAST AND FURIOUS ARCADE:
DWG: Compressor + seat cabinet dash
SHEET 4 SHEETS 6

Earth GND:
#712: seat bracket

[811-00201-01]
RGB LED Strip
12VDC_F6 + #042 22W-1007-WHT
SPOILER - RED R #039 22W-1007-RED
SPOILER - GRN G #040 22W-1007-GRN
SPOILER - BLU B #041 22W-1007-BLU
03-06-2042
1 22W-1007-ORG-PUR #675
2 22W-1007-BLU-RED #693
3 22W-1007-BLU-GRN #695
4 22W-1007-BLU-BRN #697
03-06-1042

[500-00204-01]
500-00065-01
RED PUCK
12VDC_F5 + 22W-1007-RED #022
BRAKES (PUCKS) - 22W-1007-BLK #021
03-06-2023
1 22W-1007-ORG-PNK, #672,#671
2 22W-1007-BLU-WHT, #698,#699
03-06-1023

[811-00249-01]
LED Strip White
12VDC_F5 + 22W-1007-RED #020
CENTER BRAKE (LED STRIP) - 22W-1007-BLK #019
39-01-2020
1 22W-1007-ORG-PNK, #672,#673
2 22W-1007-BLU-PNK #700
39-01-3023

[500-00204-01]
500-00065-01
RED PUCK
12VDC_F5 + 22W-1007-RED #024
BRAKES (PUCKS) - 22W-1007-BLK #023
03-06-2023
1 22W-1007-ORG-PNK #673
2 22W-1007-BLU-WHT #699
03-06-1023

[810-00415-01]
RGB LED Strip
12VDC_F6 + #046 22W-1007-WHT
SPOILER - RED R #043 22W-1007-RED
SPOILER - GRN G #044 22W-1007-GRN
SPOILER - BLU B #045 22W-1007-BLU
03-06-2042
1 22W-1007-ORG-PUR, #675,#674
2 22W-1007-BLU-RED, #693,#692
3 22W-1007-BLU-GRN, #695,#694
4 22W-1007-BLU-BRN, #696,#697
03-06-1042

[811-00223-01]
LED Strip White
12VDC_F5 + 22W-1007-RED #030
LICENSE / SEAT / DASH - 22W-1007-BLK #029
39-01-2020
1 22W-1007-ORG-PNK #670
2 22W-1007-BRN-BLK #691
39-01-3023

[500-00204-01]
500-00065-01
RED PUCK
12VDC_F5 + 22W-1007-RED #026
TAIL PIPE - 22W-1007-BLK #025
03-06-2023
1 22W-1007-ORG-PNK, #669,#670
2 22W-1007-BLU-PUR #690
03-06-1023

[500-00204-01]
500-00065-01
RED PUCK
12VDC_F5 + 22W-1007-RED #027
TAIL PIPE - 22W-1007-BLK #028
03-06-2023
1 22W-1007-ORG-PNK, #669,#668
2 22W-1007-BLU-PUR, #690,#689
03-06-1023

[810-00483-01]
RGB LED Strip
12VDC_F4 + 22W-1007-WHT #034
L&R WHEEL - RED R 22W-1007-RED #031
L&R WHEEL - ORG G 22W-1007-GRN #032
L&R WHEEL - BLU B 22W-1007-BLU #033
03-06-2042
1 18W-1007-ORG-GRN #662
2 22W-1007-PNK-RED #683
3 22W-1007-PNK-GRN #685
4 22W-1007-PNK-BLU #687
03-06-1042

[811-00226-01]
White LED Strip
12VDC_F4 + 22W-1007-ORG #722
L&R WHEEL SPOKE - 1 - 22W-1007-PUR-WHT #727
1 22W-1007-ORG, #722,#723
2 22W-1007-ORG, #724,#725
3 22W-1007-ORG #726
4 22W-1007-PUR-WHT #727
5 22W-1007-PUR-ORG #730
6 22W-1007-WHT-PUR #731
7 22W-1007-WHT-ORG #734
8 22W-1007-WHT-BRN #735
39-01-3080
1 18W-1007-ORG-GRN, #660,#659
2 18W-1007-ORG-GRN, #660,#661
3 18W-1007-ORG-GRN, #661,#662
4 22W-1007-BLU-GRY, #701,#702
5 22W-1007-BLU-GRY, #703,#704
6 22W-1007-BLU-GRY, #705,#706
7 22W-1007-RED-ORG, #707,#708
8 22W-1007-RED-GRN, #709,#710
39-01-3063

[811-00229-01]
CBL41 BLK
18W-1007-GRN-YEL #712
18W-1007-GRN-YEL #711
18W-1007-BRN-BLK #716
CBL41 RED
1 18W-1007-ORG-PNK, #713,#714
2 18W-1007-BRN-BLK, #715,#716
3 18W-1007-ORG-PNK, #714,#753
4 18W-1007-BRN-BLK, #716,#754
5 18W-1007-ORG-PNK #753
6 18W-1007-BRN-BLK #754
39-01-2060
CBL36 BLK
18W-1007-GRN-YEL #711
18W-1007-BRN-BLK #682
CBL36 RED
39-01-3063

18W-1007-GRN-YEL #712
2-1-18-00-00-000
2-520181-2
CBL41 RED
CBL41 BLK
1 + SEAT SUB +
1 - SEAT SUB -
SPEAKER

[810-00315-01]
18W-1007-ORG-PNK, #713,#714
18W-1007-BRN-BLK, #715,#716
39-01-3023
1 22W-1007-RED #018
2 22W-1007-BLK #017
39-01-2020
White LED Strip
12VDC_F5 +
LICENSE / SEAT / DASH -

[811-00052-01]
18W-1007-ORG-PNK, #714,#753
18W-1007-BRN-BLK, #716,#754
39-01-3023
1 22W-1007-RED #016
2 22W-1007-BLK #015
39-01-2020
White LED Strip
12VDC_F5 +
LICENSE / SEAT / DASH -

[811-00052-01]
18W-1007-ORG-PNK #753
18W-1007-BRN-BLK #754
39-01-3023
1 22W-1007-RED #751
2 22W-1007-BLK #752
39-01-2020
White LED Strip
12VDC_F5 +
LICENSE / SEAT / DASH -

[811-00248-01]
RGB LED Strip
12VDC_F3 + #050 22W-1007-WHT
LT PED / LOGO / SPKR - RED R #047 22W-1007-RED
LT PED / LOGO / SPKR - GRN G #048 22W-1007-GRN
LT PED / LOGO / SPKR - BLU B #049 22W-1007-BLU
03-06-2042
1 22W-1007-ORG-GRY #657
2 22W-1007-BRN-RED #679
3 22W-1007-BRN-GRN #680
4 22W-1007-BRN-BLU #681
03-06-1042

22W-1007-ORG-GRY, #657,#658
18W-1007-ORG-GRN #659
18W-1007-ORG-PNK #667
22W-1007-ORG-PNK, #668,#671
22W-1007-ORG-PUR #674
22W-1007-GRY-RED #676
22W-1007-GRY-GRN #677
22W-1007-GRY-BLU #678
22W-1007-BRN-RED #679
22W-1007-BRN-GRN #680
22W-1007-BRN-BLU #681
22W-1007-BRN-BLK, #682,#691
22W-1007-PNK-RED, #683,#684
22W-1007-PNK-GRN, #685,#686
22W-1007-PNK-BLU, #687,#688
22W-1007-BLU-PUR #689
22W-1007-BLU-RED #692
22W-1007-BLU-GRN #694
39-01-2200
1 18W-1007-ORG-GRY, #405,#406
2 18W-1007-ORG-GRN #408
3 18W-1007-ORG-PNK #411
4
5 18W-1007-ORG-PUR #414
6 22W-1007-GRY-RED #465
7 22W-1007-GRY-GRN #464
8 22W-1007-GRY-BLU #463
9 22W-1007-BRN-RED #460
10 22W-1007-BRN-GRN #461
11 22W-1007-BRN-BLU #462
12 22W-1007-BRN-BLK #470
13 22W-1007-PNK-RED #471
14 22W-1007-PNK-GRN #472
15 22W-1007-PNK-BLU #473
16 22W-1007-BLU-PUR #474
17 22W-1007-BLU-RED, #447,#477
18 22W-1007-BLU-GRN, #448,#478
19
20
39-01-2201

22W-1007-BLU-BRN #696
22W-1007-BLU-WHT #698
22W-1007-BLU-PNK #700
22W-1007-BLU-BLK #701
22W-1007-BLU-GRY #703
22W-1007-BLU-ORG #705
22W-1007-RED-ORG #707
22W-1007-RED-GRN #709
18W-1007-GRN-YEL #711
39-01-2100
1 22W-1007-BLU-BRN, #479,#449
2 22W-1007-BLU-WHT #475
3 22W-1007-BLU-PNK #476
4 22W-1007-BLU-BLK #480
5 22W-1007-BLU-GRY #481
6 22W-1007-BLU-ORG #482
7 22W-1007-RED-ORG #483
8 22W-1007-RED-GRN #484
9
10 18W-1007-GRN-YEL #422
39-01-3103

CBL36 RED
CBL36 BLK
39-01-2080
1 CBL25 RED
2 CBL25 BLK
3
4
5
6
7
8
39-01-3083

FROM: Pedestal Extension (PAGE-3) /3.10

[811-00211-01]
[811-00208-01]

[811-00248-01]
RGB LED Strip
12VDC_F3 + #054 22W-1007-WHT
RT PED / LOGO / SPKR - RED R #051 22W-1007-RED
RT PED / LOGO / SPKR - GRN G #052 22W-1007-GRN
RT PED / LOGO / SPKR - BLU B #053 22W-1007-BLU
03-06-2042
1 22W-1007-ORG-GRY #658
2 22W-1007-GRY-RED #676
3 22W-1007-GRY-GRN #677
4 22W-1007-GRY-BLU #678
03-06-1042

[810-00483-01]
RGB LED Strip
12VDC_F4 + 22W-1007-WHT #038
L&R WHEEL - RED R 22W-1007-RED #035
L&R WHEEL - ORG G 22W-1007-GRN #036
L&R WHEEL - BLU B 22W-1007-BLU #037
03-06-2042
1 18W-1007-ORG-GRN #666
2 22W-1007-PNK-RED #684
3 22W-1007-PNK-GRN #686
4 22W-1007-PNK-BLU #688
03-06-1042

[811-00226-01]
18W-1007-ORG-GRN #664
18W-1007-ORG-GRN #665
18W-1007-ORG-GRN, #665,#666
22W-1007-BLU-GRY #704
22W-1007-BLU-GRN #705
22W-1007-RED-GRN #710
22W-1007-RED-ORG #708
22W-1007-BLU-ORG #706
39-01-3063
1 22W-1007-ORG, #717,#718
2 22W-1007-ORG, #719,#720
3 22W-1007-ORG #721
4 22W-1007-PUR-WHT #728
5 22W-1007-PUR-ORG #729
6 22W-1007-WHT-PUR #732
7 22W-1007-WHT-ORG #733
8 22W-1007-WHT-BRN #736
39-01-2080

White LED Strip
22W-1007-ORG #717
22W-1007-PUR-WHT #728
12VDC_F4 +
L&R WHEEL SPOKE - 2 -

White LED Strip
22W-1007-ORG #718
22W-1007-PUR-ORG #729
12VDC_F4 +
L&R WHEEL SPOKE - 1 -

White LED Strip
22W-1007-ORG #719
22W-1007-WHT-PUR #732
12VDC_F4 +
L&R WHEEL SPOKE - 5 -

White LED Strip
22W-1007-ORG #720
22W-1007-WHT-ORG #733
12VDC_F4 +
L&R WHEEL SPOKE - 4 -

White LED Strip
22W-1007-ORG #721
22W-1007-WHT-BRN #736
12VDC_F4 +
L&R WHEEL SPOKE - 3 -

[811-00208-01]

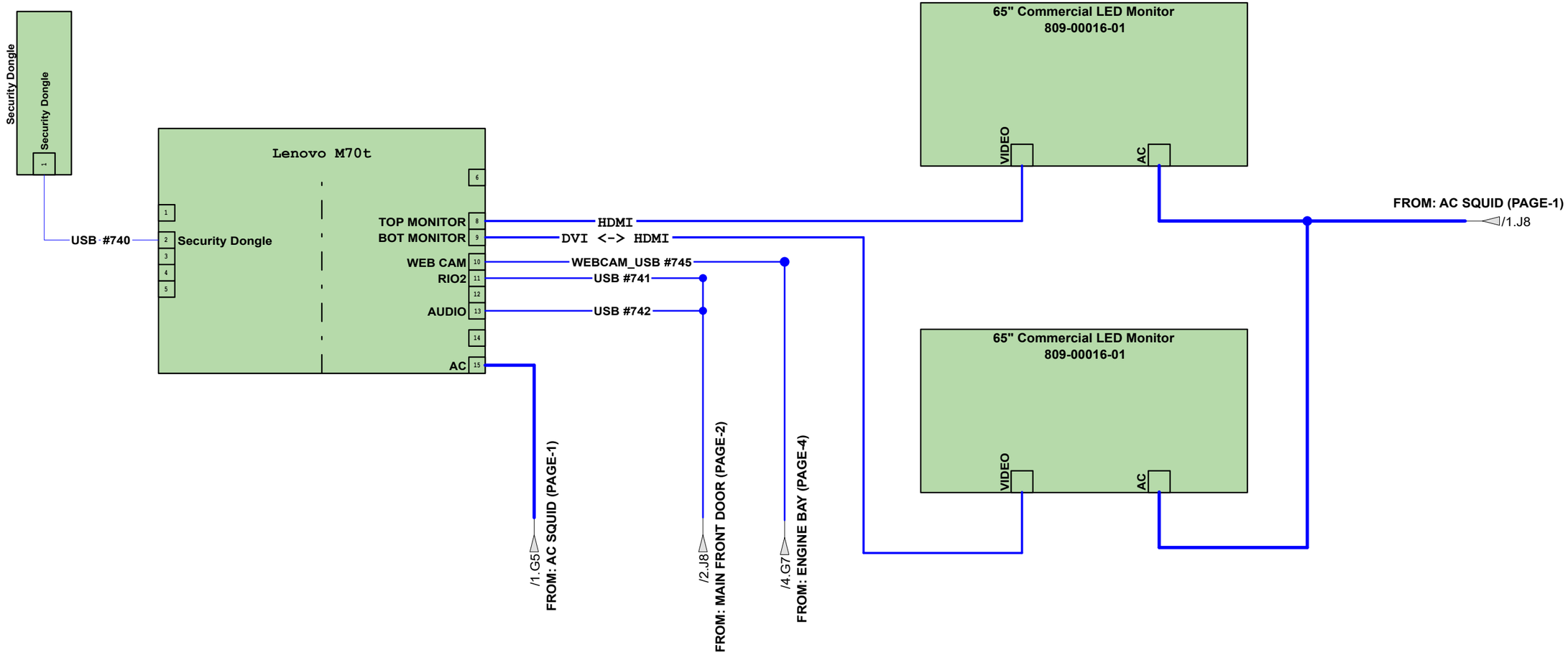
DESCRIPTION	BY	DATE	REV
Added wiring for coin/DBV vault	JHM	2023.04.10	F
Production edits. Removed 811-00221-01	JHM	2022.09.01	E
Changes to main harnesses	JHM	2022.07.13	D
LED changes and additions	JHM	2022.07.06	C
MINOR EDITS	JTN	2022.04.18	B
INITIAL	JTN	2022.04.05	A

Designed: JTN
Date: 2022.04.05
REV: F

Raw Thrills, Inc.
5441 Fargo Ave.
Skokie, IL 60077
USA
rawthrills.com
tel: 847.679.8373
fax: 847.679.8538

ANSI D

TITLE: FAST AND FURIOUS ARCADE:
DWG: Seat + wheels
SHEET: 5
SHEETS: 6



DESCRIPTION	BY	DATE	REV
Added wiring for coin/DBV vault	JHM	2023.04.10	F
Production edits. Removed 811-00221-01	JHM	2022.09.01	E
Changes to main harnesses	JHM	2022.07.13	D
LED changes and additions	JHM	2022.07.06	C
MINOR EDITS	JTN	2022.04.18	B
INITIAL	JTN	2022.04.05	A

Designed: JTN

Date: 2022.04.05

REV F

ANSI B

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fax: 847.679.8538

TITLE: FAST AND FURIOUS ARCADE: SYSTEM DIAGRAM

DWG: PC + monitors

SHEET: 6

SHEETS: 6