



For Parts or Service contact your local Distributor or:

Betson Enterprises

303 Paterson Plank Road

Carlstadt, New Jersey



Main Phone: (201) 438-1300 Toll Free Phone: (800) 524-2343 Part Phone: (800) 828-2048

CAUTION:

- The specifications of this product are subject to change without notice for reasons such as performance.
- The contents of this kit, its main devices and design are protected under each federal law concerning patent, copyright and other intellectual properties.
- Unauthorized reproduction of this document or any of its contents is strictly forbidden

CABINET REQUIREMENTS & KIT CONTENTS:

The Super Cars Conversion Kit contains the necessary parts, electrical harnessing, and artwork to convert your working Cruis'n or Off Road Challenge CRT cabinet into a working Super Cars LCD game cabinet. The LCD Monitor is to be supplied by the operator and is **NOT** included in this kit.

IMPORTANT CHECKLIST FOR A SUCCESSFUL CONVERSION:

Check that the following game controls are in working order: these are essential to a successful conversion

- Steering Mech motor is working
- Steering Wheel Collar secure and free of damage
- Shifter
- Dash Buttons (and corresponding back lamps)
- Keypad (Exotica only)
- Pedal Mech
- Coin Door Switches
- Test/Service Switch Assembly
- Coin Meter

NOTES:

- Keep all original harnessing and hardware until the conversion is successfully completed.
- Replace damaged original parts that will be reused as needed.

BEFORE YOU BEGIN:

Read this manual as well as the Super Cars manual prior to preparing your video game machine.

Super Cars LCD Conversion Kit is to be installed by qualified service personnel only on a fully functional Cruis'n cabinet.

Unplug AC Line Cord to remove all power from cabinet assembly.

A safe, dry and well lit work space will be required to complete the conversion process.

Do not disable, remove or modify any safety functions or devices in the cabinet or the Super Cars LCD Conversion Kit.

The cabinet and the Super Cars LCD Conversion Kit contain sensitive electronic devices. Proper ESD practices need to be followed.

The computer default power setting is 110 VAC.

CRUIS'N USA, CRUIS'N WORLD, CRUIS'N EXOTICA, AND OFF ROAD CHALLENGE ARE COPYRIGHT MIDWAY GAMES, LLC. SUPER CARS IS COPYRIGHT RAW THRILLS, INC.

RECOMMENDED TOOLS & MATERIALS:

Cordless Drill Jigsaw (with wood-cutting blade) Router (with arbor and carbide-tipped blade) – available online through Outwater Plastics Hammer & Wood Chisel Rubber Mallet (for T-molding installation) Adjustable Wrench Scissors Utility Knife or Precision Knife Screwdriver Bits (and matching bit holder adaptor for drill) • T-27 Tamper-Resistant Torx Bit • T-25 Tamper-Resistant Torx Bit

- T-15 Tamper-Resistant Torx Bit
- Phillips Bit
- Slotted Bit

Drill Bits

- .188" (3/16")
- .313" (5/16")

Hex Sockets (and matching ratchet or socket adaptor for drill) or wrenches

- 1/4"
- 5/16"
- 11/32"
- 3/8"
- 7/16"
- 9/16" (2 required)
- 10 mm

Hole Saws (and matching arbor for drill)

- 2"
- 4-1/2"

Sanding Tools (Sanding Block/Paper or Belt Sander Black Permanent Marker Tape (Duct or Masking) Wood Filler or Bondo (& Putty Knife) Black Spray Paint

CABINET-SPECIFIC INSTRUCTIONS:

This Super Cars LCD Conversion manual is written to accommodate the conversion of either Cruis'n USA, Cruis'n World, Cruis'n Exotica, or Off Road Challenge. The step-by-step instructions are to be followed for all platforms, unless otherwise specified. It is HIGHLY RECOMMENDED to read through this manual in its entirety prior to beginning your conversion in order to be properly acquainted with the process.

The instructions are written for the (3) Cruis'n platforms. Since it is possible that your game has been kitted (i.e. USA kitted to Exotica), it imperative that you follow the instructions for your cabinet platform, not necessarily the software or artwork on the cabinet. The differences between the platforms can be most easily recognized by dash assemblies shown below.



Figure 1 - USA Dash



Figure 2 - World Dash



Figure 3 - Exotica Dash

For Off Road Challenge, follow conversion instructions for Cruis'n World.

TEAR DOWN ORIGINAL CABINET

Separate pedestal assembly from the main cabinet (disconnect harnessing) and remove pedestal connecting brackets and set aside. Unlock and remove the back door to the main cabinet. These will be integral parts of your converted game cabinet however they will not be needed until the main cabinet conversion process is complete.

Remove the Dash Assembly: First, disconnect all dash-specific harnessing from the main harness (access from the back door) but leave the connections to the controls (i.e. Steering Mech, Shifter, Buttons, etc.) attached to the dash assembly. Also, locate the grounding braid and disconnect before dash removal (this will be reconnected later). For USA, leave the speaker wires connected to the speakers. These connectors will be used to complete the cabinet conversion. The Z-header connectors must remain attached to the dash harness for a successful conversion.

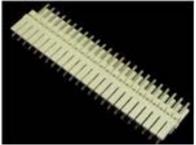


Figure 4 - Z-header connector



Figure 5 - Dash Harness

Detach the dash assembly from the cabinet; the dash assembly will be reused following a few alterations that will be made later in the conversion process. Leave the dash mounting brackets attached to the cabinet.

Remove Original Harnessing and Electronics: Disconnect all remaining cables and harnessing including Woofer (World & Exotica only), Speakers, CRT monitor, Coin Door, and Pedal Mech. This conversion will utilize your original Woofer (World & Exotica), Coin Door and Pedal Mech, so leave the harnessing attached to these assemblies and simply disconnect them from the main harness.



Figure 6 - Coin Door

With the exception of the Woofer Speaker, the Transformer, and the grounding braid, remove all other original game electronics (mounting board too) from the cabinet. Please retain all of these electronics and harnessing until the conversion is complete and the game is functional.

Remove the marquee plastic (Exotica), monitor front glass, monitor bezel, CRT monitor, and monitor mounting brackets from the cabinet. For World & Exotica conversions, the speakers in the marquee will be reused and can be removed once the cabinet top is cut. Cruis'n USA will utilize the in-dash speakers in their current configuration as there are no marquee speakers in this cabinet assembly.

Remove all AC harnessing and AC Power Switch Plate from the cabinet, but leave the safety ground wires (18 AWG green/yellow wires) connected to the Coin Door, Pedal Mech, Woofer (World & Exotica), and Pedestal harness assemblies intact in the cabinet. If your cabinet has a Pedestal harness, leave the seat speaker harness located in the channel at the base of the main cabinet. To isolate these safety ground wires and remove all others, you will need to cut several cable ties and care must be taken to not damage these wires.



Figure 7 - Remaining Ground Wires



Figure 8 – Before



Figure 9 – After

Lastly, if the cabinet's current T-molding is to be reused (as opposed to using new T-molding), carefully pull back the T-molding on both cabinet sides to just above the height of the Coin Door, being mindful to preserve the grooves in the wood.



Figure 10 - Pull T-molding Back

If you wish to install new T-molding for your cabinet conversion, Outwater Plastics is a recommended vendor. Please measure the current cabinet's groove size as well as the original T-molding to ensure that the T-molding you purchase is compatible with your cabinet (T-molding groove differences have been found throughout the manufacturing life of the Cruis'n series and similar driving game cabinets).

Regardless of whether original or new T-molding will be used, a router equipped with an arbor and carbide tipped blade bit will be needed to cut the necessary T-molding groove after the top cut is made. Outwater Plastics is also the recommended vendor for the arbor and blade.

Follow this link (http://www.outwatercatalogs.com/home/index.cfm) to purchase new T-molding (Page 12 of online catalogue) and arbor and blade (Page 14).

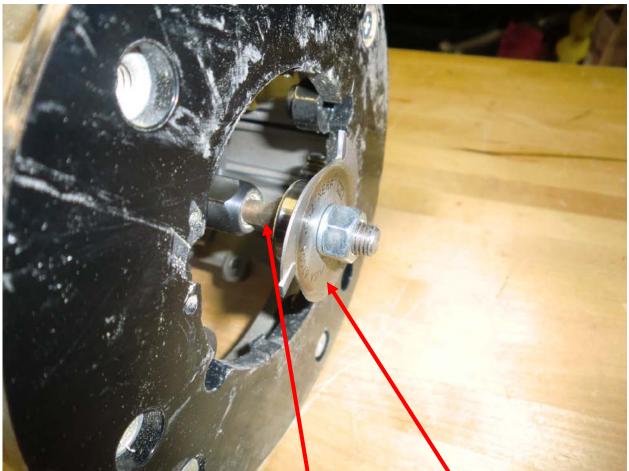


Figure 11 - Router with arbor and carbide-tipped blade

THE NEW BEGINNING - SAWING DOWN YOUR CABINET

Following the instructions and legend code on the supplied templates, use scissors to cut the templates along the specific outlines for your respective cabinet being converted (there are variations between each cabinet).

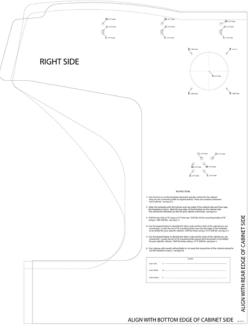


Figure 12 - Right Side Template

Align the templates with the bottom and rear edge of your cabinet and tape the template in place on the three sides not being cut. It is recommended to use a thick permanent marker to mark the top edge of the proposed cut.

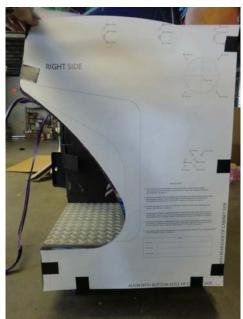


Figure 13 - Template Taped to Side

Use the supplied instructions and legend code on the template to drill the fan hole (4-1/2") and mounting holes (.188"=3/16" and .313"=5/16") for each side (*NOTE: Fan hole cut-out is only on right side of the cabinet*). Using a transfer punch to spot the hole centers is recommended and should yield better results.





Figure 14 - Fan Cutout (RIGHT SIDE ONLY)

Figure 15 - Use Legend Code

Use a jigsaw with a wood-cutting blade to cut along the top edge of the template for each side. Due to manufacturing differences, the templates may not match the front edges of your cabinet perfectly. Take care to make the cut as clean and as smooth as possible. (*NOTE: You may consider making a preliminary cut above the template to remove most of the top portion of the cabinet. While not necessary, you may find this easier to make a cleaner template cut.*)

Take off the separated cabinet top (can be quite heavy) and dispose of properly after removing the lock plate with accompanying hardware (ALL GAMES) and the speakers from the cabinet top (for World & Exotica conversions).



Figure 16 - After Template Cut

All conversions will require the use of your current lock plate assembly and speakers. For World & Exotica conversions, the speakers will be remounted in a new location whereas USA conversions will leave the speakers in their current configuration on the dash plate.



Figure 17 - Speakers and Lock Plate

Clean up uneven cuts with a belt sander or sanding block/paper. A level edge is necessary to successfully route the new t-molding groove.

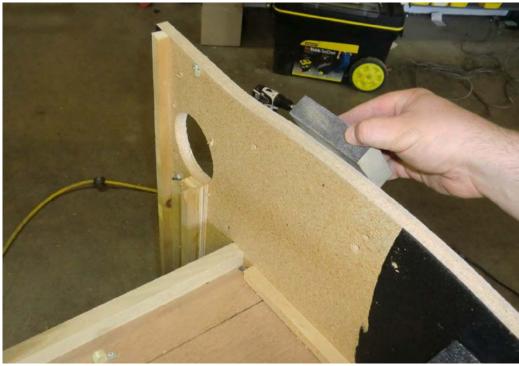


Figure 18 - Sand Cut Edges

Using a router equipped with required arbor and carbide-tipped blade bit, cut (route) a new T-molding groove along the top edge that was cut for each side. The groove depth and width should match what is already on your cabinet. (*NOTE: With the router off, use the cabinet's original T-molding groove to set the depth of the router bit before cutting the new groove.*)



Figure 19 - After Router Cut

Using a hammer and wood chisel, remove cleats near front of cabinet (towards dash) that were previously used for bracing the monitor glass.



Figure 20 - New Groove Should Match Original

THIS PAGE – WORLD/EXOTICA ONLY

Using a hammer and wood chisel or saw, cut rear door cleat to 1" below top edge on both sides.



Figure 21 - Cut Rear Door Cleats

Remove cleats on vertical plywood strips on each side. Cut down plywood strip on fan side to 1" below fan hole cut-out for fan clearance.



Figure 22 - After Cleats are Removed & Plywood is Cut

THIS PAGE – WORLD/EXOTICA ONLY

Super Cars LCD Conversion Kit • Copyright 2012 • Raw Thrills, Inc. • All rights reserved 15

THIS PAGE - USA ONLY

Remove the rear door cleats. Completely remove the 1" x 2" vertical plywood strips from the interior of both cabinet sides.



Figure 23 - Cleats and Strips Need to be Removed

Remove mid-panel plywood support beam.



Figure 24 - Remove Support Beam

THIS PAGE - USA ONLY

Super Cars LCD Conversion Kit • Copyright 2012 • Raw Thrills, Inc. • All rights reserved 16

REAR PANEL CUT-OUT FOR AC POWER PLATE:

Exotica – no further cut-out will be required.

World & USA – Remove the AC line cord relief plate on the lower rear cabinet panel to expose the existing hole.



Figure 25 - AC Line Cord Relief Plate

Use the supplied template to spot the existing hole and proceed to drill a 2" hole to the right of the existing hole and (4) new mounting holes (.188"=3/16").



Figure 26 - Follow Instructions on Template

FINAL CABINET PREPARATIONS:

Remove any excess hardware from cabinet sides. (WARNING: Hardware for Lower Rear Panel Support Brackets and Dash Mounting Brackets must remain on cabinet. DO NOT REMOVE!) Use Wood Filler or Bondo to fill these extra holes (NOTE: DO NOT FILL NEW HOLES!). Sand smooth when completed. You may also want to repair any edges or corners that have been damaged on the cabinet at this time.



Figure 27 - Fill Preexisting Holes with Wood Filler or Bondo

Vacuum all old dirt, dust, and saw dust from cabinet interior and cut edges. Paint all cut edges, holes, and sanded areas with black spray paint, including rear cut-out for AC Power Plate. If the inside of the side panels are not black already, you will need to paint the inside upper portion (above the set of (3) holes that were drilled) as well.



Figure 28 - Paint Edges, Holes, and Sanded Areas

Prepare the surfaces for art installation by cleaning the sides of any dirt, dust, or residue. If original decals are peeling off, it is recommended to remove them entirely before installing supplied decals. Install cabinet side decals (*NOTE: ALL LOGOS SHOULD BE VISIBLE (NOT CUTOFF) WHEN DECALS ARE INSTALLED PROPERLY.*) and use a utility knife or precision knife to cut away the decal around the edges of the cabinet as well as from areas where new holes were drilled. You will also need to cut the decal away from preexisting cabinet bolts.



Figure 29 - Logos should not be Cutoff

Reinstall T-molding with rubber mallet. Cut away extra T-molding with utility knife.



Figure 30 - T-molding Installation

BUILDING YOUR CABINET - MOUNTING MECHANICAL PARTS

MOUNTING ELECTRONICS BOARDS, AC POWER PLATE, & FAN:

Install supplied electronics boards and mounting plate assembly on the mid-panel (harnessing will be attached to RIO Board), just below the protruding screws of the coin vault and against the right side cleat when viewing the cabinet from the rear. Use (4) #6 x 3/4" L Hex Head Wood Screws (P/N: 31-SA006-01-006) to mount the electronics plate. Remove original wire clamps if they interfere with the installation of this plate.



Figure 31 - Mount the RIO Plate Assembly

Install supplied AC Power Plate on the interior of the lower rear cabinet panel with (4) 8-32 x 1" L Black Tamper-Resistant Torx (T-15) Machine Screws (P/N: 31-TP008-03-012) and (4) #8 Black Flat Washers (P/N: 3-160).



Figure 32 - Exotica AC Plate



Figure 33 - USA/World AC Plate

Install the Cabinet Exhaust Fan and (2) Wire Fan Guards: use (4) 8-32 x 3" L Phillips Machine Screws (P/N: 31-MS008-01-013) and (4) 8-32 Elastic Stop Nuts (P/N: 32-801) to mount the fan and 2 wire guards on the interior of the cabinet side. The fan should be sandwiched between the wire guards for safety reasons, and the fan should be exhausting air out of the cabinet.

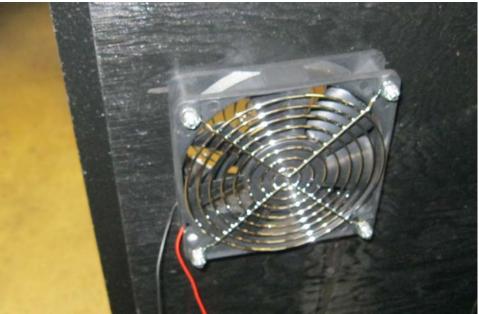


Figure 34 - Exhaust Fan between Wire Guards

NOTE: THE FAN GUARD SHOULD BE ON THE INSIDE OF THE CABINET!!!



Figure 35 - DO NOT INSTALL FAN GUARD ON OUTSIDE AS SHOWN

DASH CONVERSION (INSTALLATION OF REPLACEMENT PARTS):

This conversion kit includes a steering mech timing belt, a steering wheel hoop and a chrome wheel cap, as well as relevant replacement hardware. We recommend installing the timing belt to ensure the longevity of your converted cabinet as it is likely that the original belt has signs of wear. Also, the new steering wheel hoop and chrome wheel cap will give your cabinet a rejuvenated look.

Please follow these instructions to install these new parts:

Remove (6) screws used to fasten the original wheel cap. You will not need to save these screws as replacement hardware has been supplied. Remove the original wheel cap; it will not be reused.



Figure 36 - Remove 6 Screws and Wheel Cap

Remove (3) screws used to fasten the steering wheel hoop to the steering wheel collar on the steering mech shaft and set aside as these will be reused. Remove the original steering wheel hoop; it will not be reused.



Figure 37 - Remove 3 Screws and Steering Wheel Hoop

Remove (4) flange nuts used to fasten the steering mech to the dash plate and set aside as these will be reused. Remove the steering mech for timing belt installation.



Figure 38 - Remove 4 Flange Nuts to Remove Steering Mech

On the steering mech, loosen (4) mounting nuts on the motor bracket to remove original belt and install new belt.



Figure 39 - Loosen 4 Nuts to Replace Timing Belt

With the belt in place, tighten the tension adjusting bolt until there is no longer belt deflection, then loosen the bolt one full turn and tighten the (4) mounting nuts on motor bracket.



Figure 40 - Tighten Bolt to Eliminate Belt Deflection

Replace the steering mech on its original mounts on the dash plate and install original (4) flange nuts. Check that the hub mounting nut is tightened.



Figure 41 - Tighten Hub Mounting Nut after Steering Mech is Reinstalled

Install the new steering wheel hoop using the original (3) screws that were previously used on the original hoop.



Figure 42 - Install New Steering Wheel Hoop

Install the chrome wheel cap on the steering hoop mounts using the supplied (6) 8-32 x 1/2" L Black Tamper-Resistant Torx (T-15) Machine Screws (P/N: 31-TP008-03-001) and (6) #8 Black Flat Washers (P/N: 3-160). (*NOTE: DO NOT OVERTIGHTEN THESE SCREWS AS CRACKING OF THE WHEEL CAP MAY OCCUR*.)



Figure 43 - DO NOT OVERTIGHTEN SCREWS WHEN INSTALLING WHEEL CAP

Reinstall Dash Assembly using the same mounting hardware that was used originally.



Figure 44 - Reinstall Dash Assembly

WIRING & PC MOUNTING:

Connect the harnessing (all labeled) from the RIO Board to the dash assembly which includes Dash Lamps, Steering Mech Motor and Potentiometer, Button Switches (use adapter harness for Exotica), and Keypad (Exotica only). (NOTE: KEYPAD HARNESS CONNECTS DIRECTLY TO KEYPAD; ORIGINAL ADAPTER HARNESS (LIKELY BLUE) SHOULD BE REMOVED.) Reconnect the grounding braid that was disconnected during dash removal. For USA only, connect the in-dash speakers to a matching speaker harness labeled "USA speakers."



Figure 45 - Exotica Dash Harnessing Connected

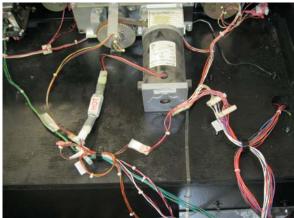


Figure 46 - USA Dash Harnessing Connected

Connect harnessing for Coin Door, Dollar Bill Validator (if applicable), Test/Service Switch Assembly, Pedal Mech, and existing Woofer (World & Exotica only). (*NOTE: ORIGINAL WOOFER HARNESS SHOULD BE REMOVED TO CONNECT HARNESS FROM RIO BOARD*.)

Connect harnessing from AC Power Plate to the input of the Transformer. Connect the output connector of the Transformer to the blue harness from RIO/Wheel Driver Board, labeled either "C USA X-FORMER" OR "WORLD EXOTICA X-FORMER" depending on the cabinet you are converting.



Figure 47 - Exotica Transformer Connections

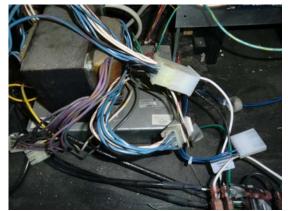


Figure 48 - USA Transformer Connections

Connect the ground wire (18 AWG green wire with fork terminal) from AC Power Plate and the cabinet safety ground wires (18 AWG green/yellow wires with ring terminals – from Coin Door, Pedal Mech, Pedestal Channel harness, and Woofer) to the Transformer mounting plate chassis by sandwiching the fork terminal and ground rings between the mounting wood screw and the chassis plate. Alternatively, the ring terminals (not the fork terminal) can be mounted to the AC Power Plate ground stud.



Figure 49 - Transformer Chassis Plate Grounds

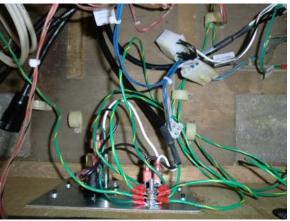


Figure 50 - AC Power Plate Grounds

Connect All Safety Grounds!!!

INSTALL PC SHELF ASSEMBLY FOR WORLD & EXOTICA CONVERSIONS:

The PC will be attached to the PC shelf using (2) brackets, (1) foam pad, and (2) mounting straps with snap buckles. The brackets will be attached to the plywood PC shelf using (3) #8 x 3/4" L Hex Head Wood Screws (P/N: 31-SA008-01-003) for each bracket.



Figure 51 - PC Strapping Parts (plus Foam Pad)

World & Exotica cabinets have a Woofer above the Pedal Mech which will restrict the position of the PC. In order to mount the PC successfully, the bracket shown with screws (toward rear of cabinet) will overhang the shelf slightly. It is best to install screws in slots first to allow for translational adjustment. The last screw can be used on any of the other 3 holes and will lock the bracket from further movement.

After the position of the PC has been determined, mount the second bracket in the orientation shown in Figure 51 using the same hardware that was used to mount the first bracket. Install (2) mounting straps with snap buckles through outer slots in bracket (buckles will need to be removed while running the strap through the brackets). After the straps and buckles have been installed place the foam pad atop the brackets and the PC on the pad with the front of the PC against the cleat. Snap both buckle clips and tighten. (*NOTE: The straps should wrap around the top of the PC and when tightened, should hold it tight to the PC Shelf.*)



Figure 52 - Strap and PC Orientation

Use (4) 1/4-20 x 1-7/8" L Black Flat-Head Carriage Bolts (P/N: 31-CB250-03-006) and (4) 1/4-20 Keps Lock Nuts (P/N: 32-1400) to affix the brackets attached to the PC shelf assembly to the side walls through the holes that were drilled during the sawdown process. The orientation of the PC shelf should be such that the PC front is toward the right side of the cabinet when viewed from the rear.



Figure 53 - Proper Mounting of PC Shelf for World & Exotica Conversions

Tighten the PC straps by pulling on the legs of the straps. (*NOTE: THESE MUST BE TIGHT FOR THE PC TO BE SAFELY SECURED IN ANY TYPE OF TRANSIT. IT IS RECOMMENDED TO ROUTINELY CHECK THAT THESE STRAPS ARE TIGHT DURING NORMAL OPERATION.*)

INSTALL PC SHELF ASSEMBLY FOR USA CONVERSION:

USA cabinets do not have a Woofer like World & Exotica, therefore installing the brackets will be easier. Follow the same process as was described for World/Exotica, except the bracket and snap buckles must **NOT** extend beyond the rear edge of the PC shelf. If this happens, the back door will not close properly and damage to the buckles and/or PC is likely.



Figure 54 - Proper Mounting of PC Shelf for USA Conversions

As was mentioned in the World & Exotica section, THESE STRAPS MUST BE TIGHT FOR THE PC TO BE SAFELY SECURED IN ANY TYPE OF TRANSIT.

NOTE: You may consider removing the PC from the cabinet until the remainder of the cabinet has been built. If this is the case, be sure to reference this section when you plan to complete the PC connections.

Complete PC Harnessing by connecting the following connections from the RIO Board to the PC: 8-pin watchdog connector (labeled "PC"), Parallel Port Connector, 1/8" stereo plug (to green stereo output jack on rear of PC), and USB Cable. Connect the DVI side of the supplied DVI-HDMI cable into the PC Video Card (not onboard video). Plug AC Line cord into PC, and then plug into mating 3-prong AC receptacle at the base of the cabinet. Also, plug Security Dongle into USB port.



Figure 55 - PC Connections

Connect the 2-pin connector labeled "12V FAN" from the main harness to the fan on the side wall.

INSTALLING CABINET BRACKETS, WOOD PANELS, & PLASTIC HOOD:

Install (2) Long L-Brackets (1 each side): use (6) 1/4-20 x 1-1/4" L Black Flat-Head Carriage Bolts (P/N: 31-CB250-03-005) and (6) 1/4-20 Keps Lock Nuts (P/N: 32-1400) to affix the brackets to the side wall near the top edge of the cabinet through the holes that were drilled during the sawdown process. For World & Exotica conversions, the short leg of the bracket should be on the cabinet sides; for USA conversions, the long leg of the bracket should be on the cabinet sides and 1-7/8" L bolts should be used (P/N: 31-CB250-03-006).



Figure 56 - Install Long L-Brackets (World & Exotica shown)

NOTE: Area on interior cabinet sides above L-bracket needs to be painted black, as this area will be visible when the cabinet is fully assembled.

Install (2) Speakers on Bottom Side of Top Panel (World & Exotica only): use (8) 6-32 x 1-1/4" L Carriage Bolts (P/N: 31-CB006-01-001) and (8) #6 Flat Washers (P/N: 3-180) and (8) 6-32 Keps Lock Nuts (P/N: 32-600) to mount the Speakers from your original cabinet to the bottom side of the Top Panel. The bottom side of the panel can be determined by the visible t-nut inserts. The connection tabs on the speakers should be pointed toward the back (toward oval cut-outs) of the Top Panel for easier harnessing connection.



Figure 57 - Install Speakers on Top Panel (World & Exotica only)

Install Top Panel (and Connect Speaker Harnessing): place Top Panel atop the L-Brackets and connect the fast-on connectors from harness to the speakers (brown/red on positive (+) terminals and brown/black on the negative (-) terminals). Then use (6) 1/4-20 x 1-1/4" L Black Flat-Head Carriage Bolts (P/N: 31-CB250-03-005) and (6) 1/4-20 Keps Lock Nuts (P/N: 32-1400) to mount Top Panel to the L-Brackets. The orientation of this panel is shown in Figure 58. For USA conversions, don't mount the panel on the middle hole of the L-Brackets (the free hole will be used for mounting the dash plastic). Also, drive (4) #8 x 1-1/4" L Phillips Wood Screws (P/N: 31-BH008-03-003) through the pilot holes near the front of the Top Panel into the existing wood support beam found on all cabinets.



Figure 58 – Install Top Panel

Install (2) Short L-Brackets to Rear of Top Panel: use (2) 1/4-20 x 1-1/4" L Black Flat-Head Carriage Bolts (P/N: 31-CB250-03-005) and (2) 1/4-20 Keps Lock Nuts (P/N: 32-1400) to mount short L-Brackets to bottom side of Top Panel at the rear of the cabinet. The orientation of the bracket can be seen in Figure 59, showing the short leg of the bracket mounting flush to the Top Panel. Use only (1) set of fasteners per bracket on their outermost mounts (towards cabinet sides) as the other mounts (towards cabinet center) will be utilized when the LCD Tower is mounted.



Figure 59 - Install Short L-Brackets

Install Back Door Jamb Panel (with Lock Hardware): use the hardware from your current cabinet to remount the original lock plate assembly (see Figure 17) to the plywood Back Door Jamb Panel in the same fashion that it was installed previously. The exterior face of the panel can be recognized by the counter-bored holes that the lock plate assembly hardware will utilize (see Figure 60). Use (4) 1/4-20 x 1-1/4" L Black Flat-Head Carriage Bolts (P/N: 31-CB250-03-005) and (4) 1/4-20 Keps Lock Nuts (P/N: 32-1400) to mount the plywood Jamb Panel to the short L-Brackets. Also, drive (4) #8 x 1-1/4" L Phillips Wood Screws (P/N: 31-BH008-03-003) through the pilot holes near the edges of the panel. (*NOTE: You may consider using wood glue on wood-to-wood joints to increase strength, although not required*.)



Figure 60 - Exterior Face of Back Door Jamb Panel



Figure 61 - Install Back Door Jamb Panel

Install Hood Mounting Block: use (2) #10 x 2-1/2" L Phillips Wood Screws (P/N: 31-BH010-02-001) to mount the Hood Mounting Block to the Top Panel such that the T-nut inserts are facing upward. Use the pilot holes on the Top Panel to spot the mounting locations, which vary depending on the cabinet you are converting. For World & Exotica conversions, use the set of pilot holes closer to the front of the cabinet and use the second set (offset 1" further back) for USA conversions.



Figure 62 - Install Hood Mounting Block

Install Plastic Hood: use (6) 1/4-20 x 3/4" L Black Tamper-Resistant Torx (T-27) Machine Screws (P/N: 31-TP250-03-008) and (6) 1/4" Black Flat Washers (P/N: 3-177) to mount the Plastic Hood to the Top Panel and Hood Mounting Block. Slots have been cut in the Hood to allow for some translational adjustments to close any gaps between the Plastic Hood and the existing dash assembly. Single-sided foam tape has been supplied as a supplementary solution to close gaps of this nature. Foam tape should be applied to the dash plate (not the plastic hood).



Figure 63 - Install Plastic Hood

Figure 64 - Foam Tape on Dash Plate

For USA conversions, the outer rear mounts on each side of the Plastic Hood will need to pass through the middle hole of the long L-Brackets and will require (2) 1/4-20 x 1-1/4" L Black Flat-Head Carriage Bolts (P/N: 31-CB250-03-005) and (2) 1/4-20 Keps Lock Nuts (P/N: 32-1400) for successful installation.



Figure 65 - Plastic Hood Hardware for USA conversions

INSTALLING LCD TOWER ASSEMBLY & MONITOR:

This Super Cars LCD Conversion Kit is designed to accommodate any retail flat screen LCD monitor up 42" in size (we recommend using a monitor 32-42" in size). There are two different configurations of the LCD Tower Assembly. The configuration of the tower as delivered in the kit is intended for a 37-42" monitor. If you wish to use a smaller monitor (32-36"), the LCD mounting plate and the marquee will need to be rotated 180°, which orients the monitor closer to the player. Also, the installed wire-way grommet would need to be moved to the other side of the tower. (*NOTE: All photos will show installation process for larger (37-42") monitors.*)

SUPPORTED MONITORS: The mounting holes on the Monitor Mounting Bracket are based on the VESA mounting standard, the most widely accepted monitor mounting standard. The following mounting hole patterns can be accommodated (Height x Width): 200 mm x 200 mm & 200 mm x 400 mm. As most manufacturers follow this standard, most monitors (including cost-effective units) should mount and function without any issues. If you plan on doing multiple conversions, sample your first monitor for fit and function prior to purchasing multiple units.

Install the LCD Tower: use (12) 1/4-20 x 1-1/2" L Black Carriage Bolts (P/N: 31-CB250-03-001) and (12) 1/4-20 Keps Lock Nuts (P/N: 32-1400) and (10) 1/4" Zinc Flat Washers (P/N: 3-177-1) to secure the Tower to the Top Panel. The washers should be used between the wood Top Panel and the Keps Lock Nuts, but are not necessary for the rearmost outside mounts which pass through the short L-Brackets at the rear of the cabinet. (*NOTE: the connector inside the tower is the power connection to the Marquee Assembly. Be sure that the harnessing feeds through the oval cut-out on the Top Panel before mounting the LCD Tower.*)



Figure 66 - Mount LCD Tower (Shown for 37-42" Monitor Setup)

NOTE: For 32-35" Monitors, rotate LCD Tower 180° compared to the orientation shown in Figure 66. Likewise, the Marquee Assembly and the LCD Mounting Plate will need to be rotated as well.

Connecting the Marquee Harnessing: retrieve the connector from the Marquee/LCD tower and plug into "P1" connector on RIO PCB.



Figure 67 - Marquee Connector at "P1" on RIO PCB

Install Monitor: First, remove the Monitor Security Box to access the Monitor Mounting Bracket by removing (6) 10-32 x 1/2" L Black Tamper-Resistant Torx (T-25) Machine Screws and (6) #10 Black Flat Washers on the sides and top of the Box. After you have access to the Monitor Mounting Bracket, you may need to adjust the position of the Bracket to accommodate your Monitor; do this by loosening and moving the 2 Black Hex Bolts up or down on the Tower tube. You may also need to slide the Marquee assembly up or down as well to accommodate the size of your Monitor. To mount the Monitor, use (4) M6 x 16mm L Hex Bolts (P/N: 31-MSM06-01-004) with (4) 1/4" Split Lock Washers (P/N: 3-200-25) to mount your Monitor to the Mounting Bracket. (*NOTE: DO NOT OVERTIGHTEN THE BOLTS AS DAMAGE TO YOUR MONITOR'S MOUNTING INSERTS MAY OCCUR*.) After the Monitor is mounted, determine the proper mounting holes on the Tower tube for the Monitor Mounting Bracket such that there is clearance (the Monitor shouldn't be resting on the T-molding) between the cabinet sides and the bottom of your Monitor. Tighten the (2) 3/8-16 x 5" L Black Hex Bolts and (2) 3/8" Black Flat Washers and (2) 3/8-16 Black Elastic Stop Nuts once the Monitor position is set.



Figure 68 - Monitor Mounted on Narrow Hole Pattern

NOTE: If you previously removed the PC during the "construction" of the cabinet, re-install the PC and make all necessary connections at this time (see Figure 55).

Attach the Monitor Harnessing: feed HDMI cable (from PC) up through the oval cut-out in the Top Panel and up the Tower assembly and pull the cable through the front wire-way hole (the one with the grommet) of the tower assembly. Connect the HDMI cable to your Monitor at the most convenient HDMI connection. Feed the Monitor's power cord into the tower through the wire-way hole and back into the cabinet and plug into its mating 3-prong AC receptacle at the base of the cabinet. (*WARNING: DO NOT PLUG MONITOR DIRECTLY INTO THE WALL!*)

Moving the Marquee Assembly: use (2) 3/8-16 x 5" L Black Hex Bolts and (2) 3/8" Black Flat Washers and (2) 3/8-16 Black Elastic Stop Nuts to securely affix the Marquee Assembly in place such that there is some, albeit minimal, clearance between the top of your Monitor and the base of the Marquee box.



Figure 69 - Side View Marquee Clearance

Figure 70 - Front View Marquee Clearance

Reinstall Monitor Security Box and Install Tower Plug: the Monitor Security Box is designed to utilize (2) standard door locks (not supplied) to maximize the security of your Monitor from theft. Install (2) standard locks with its latch horizontal toward the center of the Box when in its locked position. Remount the Security Box on the rear of the Monitor Mounting Bracket using (6) $10-32 \times 1/2$ " L Black Tamper-Resistant Torx (T-25) Machine Screws and (6) #10 Black Flat Washers on the sides and top to secure the Box in the same fashion that you received it. Then, install the supplied plastic Tower Plug in 2" hole on the rear of the Tower assembly, once all Monitor and Marquee harnessing have been connected.



Figure 71 - Install Standard Locks on Security Box



Figure 72 - Install Security Box and Tower Plug

REMAINING ARTWORK INSTALLATION

Your pedestal assembly will remain in its current form for this conversion process, with the exception of new artwork. Prepare the surfaces for art installation by cleaning the sides of any dirt, dust, or residue. If original decals are peeling off, it is recommended to remove them entirely before installing supplied decals. (NOTE: ALL LOGOS SHOULD BE VISIBLE (NOT CUTOFF) WHEN DECALS ARE INSTALLED PROPERLY.) It may be necessary to cut away holes in decals for preexisting bolt heads. We recommend removing the bolts and replacing after art installation is complete.

For USA and World Conversions, you will need to install the supplied artwork on each side and the back of the pedestal (use a utility knife or precision knife to cut away excess material).

For Exotica conversion, in addition to the two sides and back, two extra pieces of side art are supplied to be installed on the secondary wood sides of the pedestal.



Figure 73 - Exotica Pedestal Art

Lastly, there are supplemental decals as replacements for the seat backs of World and Exotica seats as well as decals for the dash assemblies of World and Exotica cabinets.

CONNECT PEDESTAL ASSEMBLY TO MAIN CABINET

Connect the Seat Speaker Harnessing: find connector labeled "seat speaker" on the main harness and plug into the original seat speaker harness located in the channel at the base of the cabinet. Connect the original seat speaker harness to the pedestal harness.

Use original hardware to reattach the pedestal to the main cabinet.

BACK DOOR SAWDOWN

Remove all existing lock and tongue plate hardware from your existing cabinet back door. All of these parts and hardware will be reused after the door is cut to size.

Measure the vertical distance of the new cabinet door opening, and proceed to cut the back door to this height less 1/8", <u>CUTTING OFF THE EXCESS HEIGHT FROM THE BOTTOM</u>

OF THE DOOR with a table or circular saw. (*NOTE: If the vents for your current back door interferes with cutting from the bottom, you will need to cut the excess height from the top of the door; however, you will need to use the sawed off portion to drill the new hole for the lock assembly, including counter-boring the hole to the proper depth to match the lock that you are using.)*



Figure 74 - Cut Excess Height from the Bottom of the Door (See Above if Not Possible)

Using the sawed off portion of the back door as a template, drill holes to remount the tongue plates.



Figure 75 - Drill Holes for Tongue Plates

Align the bottom edge of the sawed off portion of the back door with the right side of the sawdown back door (when viewed from the finished side) and mark the ventilation hole slots. Cut these slots using a jig saw and/or hole saw. Paint any cut edges black, as was done with the main cabinet. Reinstall the lock assembly and tongue plates. Staple the vent material to the inside surface of the back door where the vent holes were cut-out (cutting of the vent material may be necessary for proper fit).



Figure 76 - Completed Back Door

For further security, we suggest using a rear door padlock assembly.

Check that all connectors and wires are safely secured away from sharp objects and moving parts. Using cable clamps from your original electronics assembly, dress harnessing as needed. Make sure the cabinet power switch is in the off position. Plug in AC Line Cord to AC Power Plate at rear of cabinet and plug into wall outlet.

Turn on game and begin initial calibration process per the Super Cars manual included in the kit.

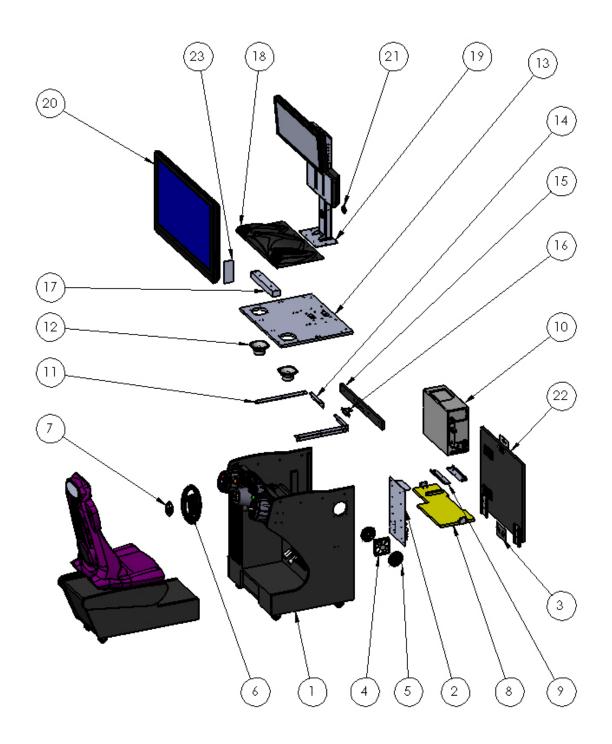
AFTER YOU HAVE VERIFIED THAT THE GAME AND MONITOR ARE WORKING:

Install Monitor Button Guard: a black piece of plastic has been supplied to prevent monitor button tampering, such as input, menu, channel and volume adjustments. The plastic can be cut to size and/or pre-bent by hand to accommodate a curved surface if needed to fit your specific monitor. Use the supplied double-sided foam tape to mount the plastic guard in such a way that it blocks button access but leaves the monitor's IR sensor free of obstruction (check monitor manual for IR sensor location), in case the use of the monitor's remote control is needed. (WARNING: FOAM TAPE IS SEMI-PERMANENT AND WILL REQUIRE SPECIALTY PRODUCTS TO REMOVE ADHESIVE RESIDUE SHOULD IT NEED TO BE REMOVED FOR ANY REASON.)



Figure 77 - Monitor Button Guard (as Delivered)

EXPLODED VIEW & KIT CONTENTS:



SUPER CARS LCD CONVERSION KIT MECHANICAL EXPLODED VIEW DRAWING

PARTS LIST:

- 1. ORIGINAL CRUIS'N CABINET (supplied by operator)
- 2. RIO PLATE ASSEMBLY
 - RIO HARDWARE PLATE (RT P/N: 600-00511-01)
 - RIO PCB (RT P/N: 500-00040-00)
 - H (WHEEL) DRIVER PCB (RT P/N: 500-00037-00)
 - HARNESSING
- 3. AC POWER PLATE (RT P/N: 600-00897-01)
- 4. DC FAN (RT P/N: 820-00012-00)
- 5. WIRE FAN GUARD 2 PIECES (RT P/N: 800-00001-00)
- 6. STEERING HOOP (RT P/N: 2-1-03-00-00-001)
- 7. WHEEL CAP (RT P/N: 2-1-03-00-00-003)
- 8. PC SHELF ASSEMBLY
 - PLYWOOD SHELF (RT P/N: 601-00559-01)
 - PC SHELF BRACKET 2 PIECES (RT P/N: 600-00814-01)
- 9. PC STRAP BRACKET 2 PIECES (RT P/N: 600-00901-01)
- 10. PC (models may vary)
- 11. CABINET SIDE (LONG) L-BRACKET 2 PIECES (RT P/N: 600-00815-01)
- 12. SPEAKERS 2 PIECES (from original cabinet)
- 13. PLYWOOD TOP PANEL (RT P/N: 601-00561-01)
- 14. CABINET MINI (SHORT) L-BRACKET 2 PIECES (RT P/N: 600-00813-01)
- 15. PLYWOOD REAR DOOR JAMB PANEL (RT P/N: 601-00558-01)
- 16. LOCK PLATE & HARDWARE (from original cabinet)
- 17. HOOD MOUNTING BLOCK (RT P/N: 601-00578-01)
- 18. PLASTIC HOOD ASSEMBLY
 - PLASTIC HOOD (RT P/N: 603-00577-01)
 - HOOD SPEAKER GRILL 2 PIECES (RT P/N: 600-00895-01)
- 19. LCD TOWER ASSEMBLY
 - TOWER POST (RT P/N: 600-00799-01)
 - LCD MOUNTING BRACKET (RT P/N: 600-00842-01)
 - LCD SECURITY BRACKET (RT P/N: 600-00843-01)
 - MONITOR SECURITY BOX (RT P/N: 600-00802-01)
 - MARQUEE MOUNTING BRACKET (RT P/N: 600-00801-01)
 - PVC GROMMET (RT P/N: 603-00580-01)
 - MARQUEE ASSEMBLY
 - ♦ MARQUEE BOX (RT P/N: 600-00802-01)
 - ♦ MARQUEE TRANSLITE (RT P/N: 606-00665-01)
 - MARQUEE PETG (RT P/N: 603-00573-01)
 - LONG EDGE BRACKET 2 PIECES (RT P/N: 600-00870-01)
 - ♦ SHORT EDGE BRACKET 2 PIECES (RT P/N: 600-00871-01)
- 20. LCD MONITOR: 32"-42" (supplied by operator)
- 21. TOWER PLUG (RT P/N: 603-00579-01)
- 22. BACK DOOR (will be altered during conversion)
- 23. LCD BUTTON COVER GUARD (RT P/N: 603-00585-01)

NOT SHOWN:

- STEERING MECH TIMING BELT (RT P/N: 604-00025-01)
- PC MOUNTING STRAP 2 PIECES (RT P/N: 600-00925-01)
- PC BUCKLE CLASP: MALE & FEMALE 2 PIECES (RT P/N: 600-00906-01)
- PC FOAM PAD (RT P/N: 600-00924-01)
- SECURITY DONGLE
- COMPLETE HARDWARE KIT (INDIVIDUALLY LABELED BAGS)

LOOSE TEMPLATES:

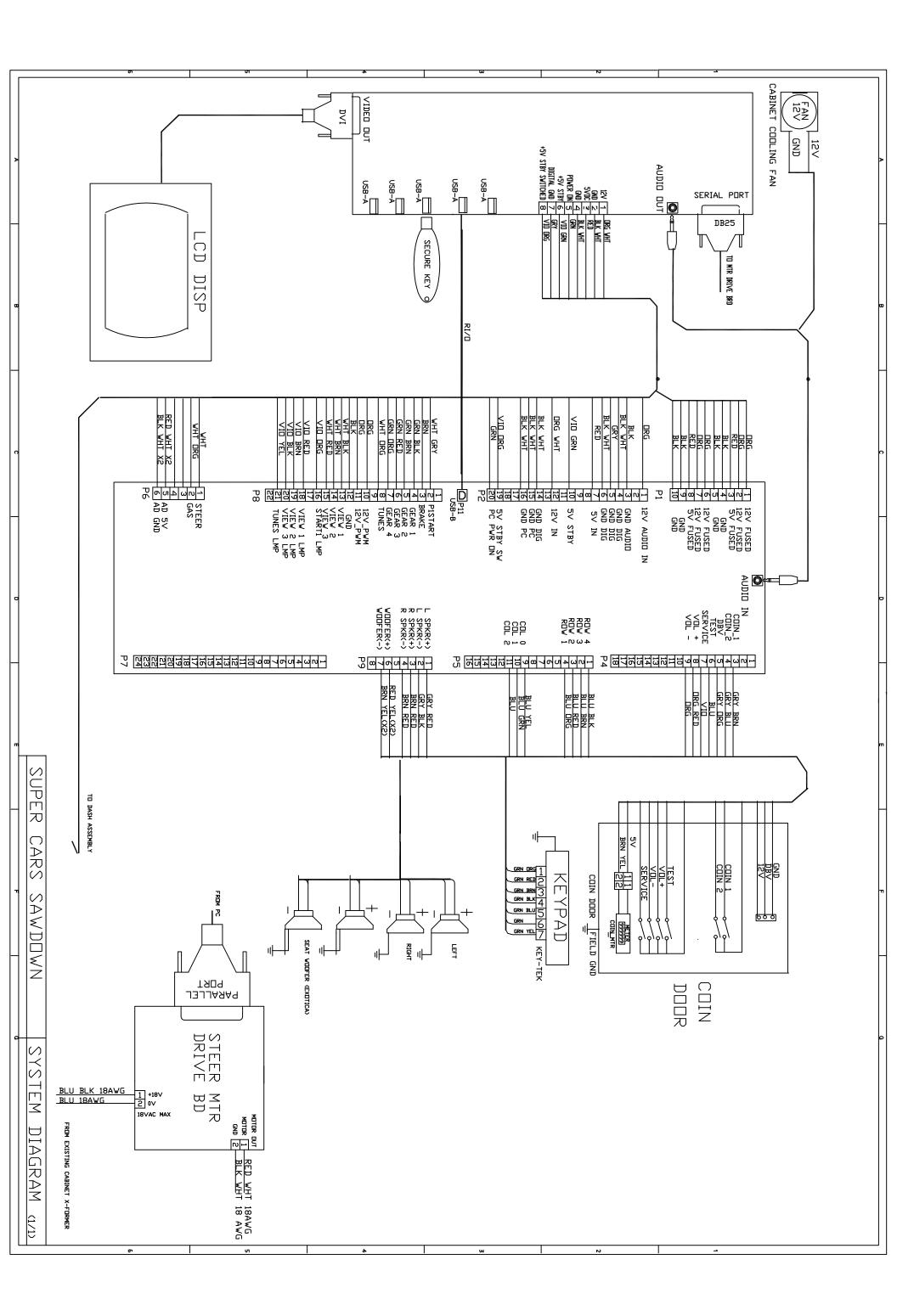
- RIGHT SIDE TEMPLATE (RT P/N: 606-00714-01)
- LEFT SIDE TEMPLATE (RT P/N: 606-00715-01)
- REAR PANEL TEMPLATE (RT P/N: 606-00716-01)

LOOSE ARTWORK PIECES:

- CABINET RIGHT SIDE DECAL (RT P/N: 606-00669-01)
- CABINET LEFT SIDE DECAL (RT P/N: 606-00670-01)
- PEDESTAL RIGHT SIDE DECAL (RT P/N: 606-00671-01)
- PEDESTAL LEFT SIDE DECAL (RT P/N: 606-00672-01)
- EXOTICA PEDESTAL RIGHT SIDE DECAL (RT P/N: 606-00712-01)
- EXOTICA PEDESTAL LEFT SIDE DECAL (RT P/N: 606-00713-01)
- PEDESTAL BACK DECAL (RT P/N: 606-00673-01)
- WORLD SEAT BACK DECAL (RT P/N: 606-00674-01)
- WORLD DASH DECAL (RT P/N: 606-00711-01)
- EXOTICA SEAT BACK DECAL (RT P/N: 606-00675-01)
- EXOTICA CENTER DASH DECAL (RT P/N: 606-00708-01)
- EXOTICA LEFT DASH DECAL (RT P/N: 606-00709-01)
- EXOTICA RIGHT DASH DECAL (RT P/N: 606-00710-01)

MANUALS:

- CONVERSION KIT INSTRUCTIONS MANUAL (RT P/N: 040-00029-01)
- SUPER CARS OPERATOR'S MANUAL (RT P/N: 040-00019-01 SCARS)



Copyright and License Notice:

The Fast and the Furious is a trademark and copyright of Universal Studios licensed by Universal Studios Licensing L.L.L.P. All rights reserved.

Parental Advisory

A note to parents: The Fast and the Furious is rated PG-13. Consult <u>www.filmratings.com</u> for further information.

Steering wheel force feedback technology is licensed from Atari Games Corporation, United States Patent #5,044,956.



Super Cars LCD Conversion Kit • Copyright 2012 • Raw Thrills, Inc. • All rights reserved



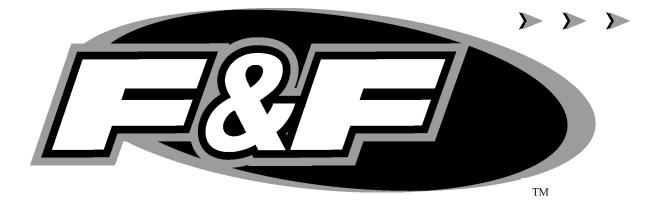




OPERATOR'S MANUAL



2



For Parts or Service contact your local Distributor or: Betson Enterprises 303 Paterson Plank Road Carlstadt, New Jersey



Main Phone: (201) 438-1300 Toll Free Phone: (800) 524-2343 Part Phone: (800) 828-2048

CAUTION:

- The specifications of this product are subject to change without notice for reasons such as performance.
- The content of this game, its main devices and design are protected under each federal law concerning patent, copyright and other intellectual properties.
- Unauthorized reproduction of this document or any of its contents is strictly forbidden.

Safety Instructions

Safety instructions apply to operators and service personnel. Read these instructions before preparing the video game machine (VGM) for play. Other safety instructions appear throughout this manual.

WARNING: TRANSPORTING THE VIDEO GAME MACHINE (VGM).

The VGM contains glass and fragile electronic devices. Use appropriate care when transporting . Avoid rough handling when moving the VGM.

WARNING: DISCONNECT POWER.

Always turn the power OFF and unplug the VGM before attempting service or adjustments unless otherwise instructed. Installing or repairing components with the power switched ON can damage the components an void warranty.

WARNING: GROUND GAMES.

Avoid electrical shock! Do not plug in the VGM until you have inspected and properly grounded it. Only plug into a grounded, three-wire outlet. Do not use a "cheater" plug, or cut off the ground pin on the line cord.

WARNING: AVOID ELECTRICAL SHOCKS.

This VGM does not utilize an isolation transformer. Internal cabinet AC is not isolated from the external AC line.

WARNING: HANDLE FLOURESCENT TUBE AND CRT WITH CARE.

If you drop a fluorescent tube or CRT and it breaks, it will implode! Shattered glass can fly eight feet or more from the implosion.

WARNING: CHECK POWER SELECTOR, LAMP.

Set the 115/230 VAC selector switch on the power supply for the correct line voltage on the installation site. Verify that the fluorescent lamps are rated for the proper line voltage.

WARNING: USE PROPER FUSE.

Avoid electrical shock! Replacement fuses must be identically rated to the original fuse!

WARNING: ATTACH CONNECTORS PROPERLY.

Be sure 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.

WARNING: USE EXTREME CARE WHEN HANDLING PC.

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

4

WARNING: HAZARD TO EPILEPTICS.

A very small portion of the population has a condition which may cause them to experience epileptic seizures or have momentary loss of consciousness when viewing certain kinds of flashing lights or patterns that are present in our daily environment. These persons may experience seizures while watching some kinds of television pictures or playing certain video games. Peoples who have not had any previous seizures may nonetheless have an undetected epileptic condition.

If you or anyone in your family has experienced symptoms linked to an epileptic condition (e.g., seizures or loss of awareness), immediately consult your physician before using any video games.

We recommend that parents observe their children while they play video games. If you or your child experience the following symptoms: dizziness, altered vision, eye or muscle twitching, involuntary movements, loss of awareness, disorientation, or convulsions, DISCONTINUE USE IMMEDIATELY and consult your physician.



PRODUCT SPECIFICATIONS

OPERATING REQUIREMENTS

ELECTRICAL POWERDomestic120VAC @ 60 Hz, 5 ampsForeign240VAC @ 50Hz, 2.5 amps

TEMPERATURE

32° F to 100°F (0°C to 38°C)

<u>HUMIDITY</u> Not to exceed 95% relative humidity.

INSPECTION AND INSTALLATION

WARNING: Use extreme care when moving or servicing the game cabinet. Don't plug in the game until you have read this manual. If the line cord is damaged, it must be replaced by a similar cord available from the manufacturer or service agent.

Please check the following after the game has been removed from its shipping crate and placed in a suitable play or service area.

Make sure that the game cabinet is level. Adjust the casters as needed.

- 1. Check the AC line cord for any visible signs of damage to the plug or line cord insulation.
- 2. Check for possible shipping damage to the following:
 - Player interfaces: steering wheel, buttons, keypad and shifter.
 - Seat assembly.
 - Monitor glass.
 - Cabinet backdoor.
 - Cabinet coin door.
 - Cabinet and seat decals.
- 3. Remove the coin door key from the coin return chute.
- 4. Open the top coin door and locate the key for the backdoor and the cashbox.
- 5. Locate hardware kit: tamper proof tool kit

crossover network cable

line cord

seat hardware fasteners (8 sets)

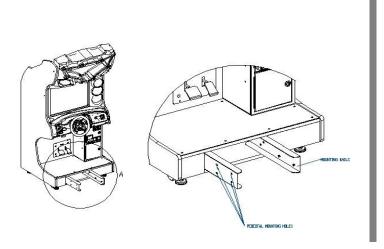
- 6. Remove the backdoor the backdoor from the cabinet and visually inspect the electronic components.
- 7. Verify that all connectors are secure and that the bottom of the cabinet is free of loose objects which may have possibly come loose during shipping.

CAUTION: Access to back of the games should be limited to service personnel only! Allow minimum clearance between back of game and wall structure for cable and ventilation while preventing non-authorized access. Maximum clearance should be 6 inches (15 cm), in accordance with local code or whichever is less.

Seat Assembly Procedure

WARNING: The cabinet is top heavy. Install only on level surface. Use the leg levelers to make sure the cabinet and seat are stable. Do not push against plastic parts during movement.

- 1. Roll the cabinet and seat to the intended location and lower the leg levelers until both are equal height and stable.
- 2. Reach inside the base of the cabinet remove the bolts to fasten a mounting rail to the cabinet and set aside. Individually pull the rail out, flip it end over end and reinsert it. Fasten the rail to the inside of the cabinet with bolts until finger tight; some movement is required in the mounting rails to align holes with seat pedestal assembly. Repeat for the mounting rail on the other side. See diagram.
- 3.



- 4. Roll the pedestal near the cabinet and align the opening in the pedestal with the ends of the rails. Slide the pedestal forward onto the rails leaving enough space to attach the wiring harness. Mate each cable connector and press firmly to seat the contacts. Ensure no wires are pinched during the pedestal attachment. Fasten in place with the ¼" X 20 tamper resistant screws and large flat washers provided.
- 5. Tighten the screws firmly with the wrench provided, and then tighten the bolts for the mounting rails.
- 6. Adjust all levelers until both cabinet and seat are flush and parallel with each other. Inspect for pinched wires before firmly tightening the remaining fasteners to attach the two pieces as one.

Power Up Procedure

- 1. Plug the game line cord into an appropriately wired and fused AC receptacle.
- 2. Locate the game AC main switch to the bottom left side on back of the game cabinet.
- 3. Turn the switch to the ON position.
- 4. The game attract feature will begin after the game is finished loading- approximately 1 minute.
- 5. Proceed to Switch Test of this document and verify proper game operation.

8

Game Networking

NOTICE: To link the two games together, use the crossover cable provided in the spare parts bag. Use of another cable other than the one shipped with the game could void warranty or cause games not to link. Use network cables which are at least CAT5 grade.

Networking Considerations

Each FNF Super Cars game comes with a network cable. Optionally, a hub can be installed and located remotely to link additional units.

Take care to protect exposed game wiring from general foot traffic around the game. Use a conduit or wire way to protect the cables as needed.

Please mark linking cables for your game if other such cables are in the vicinity to avoid confusion. Network cables are not marked or coded.

Avoid routing the network cables near sources of heat, moisture or electrical energy such as neon lights, compressor motors, transformers etc.

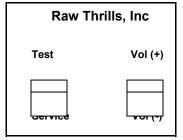
Networking Setup

- 1. Remove the network cable from the spare parts bag inside the cashbox.
- 2. Connect each end of the cable to network jack behind each PC.
- 3. Neatly route the cable through the notch on the back of the cabinet.
- 4. Use the SYSTEM ADJUSTMENT in TEST MODE below for enabling link feature .Press TEST Button to access TEST MENU. Its mounted inside the coin door of the cabinet.
- 5. Reset both games simultaneously and verify that link is successful. If not, check the settings for Machine ID conflict and make sure that the network cable is connected properly and secured. Please refer to the Game Troubleshooting Guide on this manual for more details.

	System Adjust	ments
SET NETWORK ENABLE= ON SET UNIQUE MACHINE ID= 1-8		gth 7 ess 0.20 lume Sync. Yes Effects Yes led No ine ID 8 English

SETUP AND TEST MENU VOL (+)

Locate the *Service Button Panel*. The Service Button Panel is made up of two rocker switches. Simply press the side of the switch indicated by the function you want to activate. It is mounted inside the coin door area on top of the cash box vault. Press the **TEST** button to access the **Test Menu**.



Menu Navigation:

Button	Action
Test	Enter Operator Screen
Start Button	Enter/Select Item Sub-Menu
Vol. (+) or View 1 Button	Scroll up thru Menu items
Vol. (-) or View 3 Button	Scroll down thru Menu items
Service or Tunes	Exit to previous Menu

MAIN MENU

The Test Main Menu appears when the TEST button is pressed.

Test Main Menu	Version Information
Diagnostics	Version : Super Cars 0.28
Game Audits	OS Version : OS v10.0b
Pricing Adjustments	Exe Version : 1.1.4
System Adjustments	Date : Nov 29 2010
Game Adjustments	Time : 10:42:10
Utilities	
Calibration	Machine ID : 3
	IP Address : none
Volume	
Attract Volume	RIO PCB Version : 8
	RIO FW Version : 8010
Exit	H2O SPD Version : 02
	Serial number : 80882
	Lifetime Coin Count: 00000200
	Billoume ooun oomot ooooeoo
Vol +/-, View1/View3 to Navigate	
Test, Start to Select Service, Tunes to Exit	FPS: 195,14

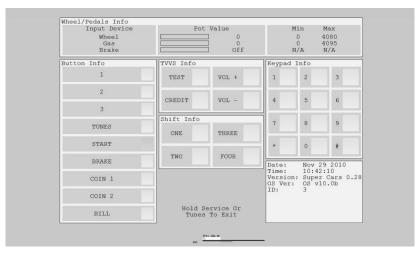
Diagnostics Menu

From the *Main Menu*, select *Diagnostics* and enter to view options.

Diagnostics Menu Switch Test Sound Test Monitor Test Lamp Test Coin Meter Test Link System Exit		Diagnostics
Vol +/-, View1/Vi Test, Start to Se Service, Tunes to	lect	.94

Switch Test

From the *Diagnostics* select and enter *Switch Test*. Verify proper switch input function using this menu. Each switch activated will be indicated on the test screen in corresponding yellow box and will be accompanied by a switch active sound indicator. Verify pot value for min, center and max are correct. If not, proceed to Calibration section of this manual. Press and hold the **Service Button** for three seconds to return to the *Diagnostics Menu*.



Sound Test

From the *Diagnostics Menu* select and enter *Sound Test*. Verify that marquee, cabinet and seat sound volume and quality are good. Press the Tunes Button to return to *Diagnostics Menu*

Sound Test Menu	Sound Test
Change Music	Current Music Track:
Change Effect	Overflow
	Current Sound Effect:
Play 100 Hz Test	gui_start
Play 1000 Hz Test	
Set Pan Center	
Set Pan Left	
Set Pan Right	
Exit	
EXIt	
Well I (Wiewell (Wiewell be Wendered	
Vol +/-, View1/View3 to Navigat Test, Start to Select	
Service, Tunes to Exit	F951 227.46
	600

Wheel Test

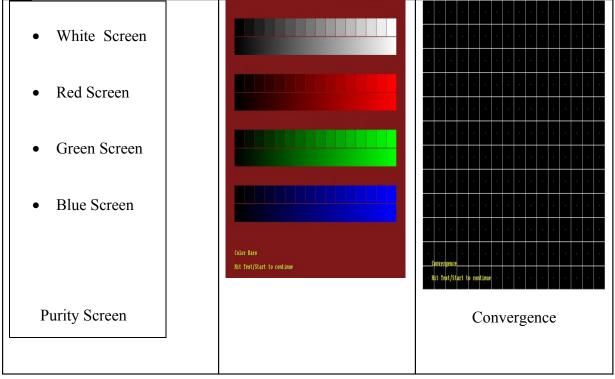
Caution: Beg	in by placing the wheel at center position. The steering wheel moves	3
automatically	during the wheel test. Stay clear of the wheel!	

From the *Diagnostics Menu* select and enter *Wheel Test*. Verify proper wheel force feedback function using this menu. Follow the screen instruction carefully.

Wheel Test	
Hit Test/Start to Begin	
Turning Wheel Left	
Hit Test/Start to Continue	
Turning Wheel Right	
Hit Test/Start to Exit	
.	
FF01 226.00	
100	

Monitor Test

From the *Audio/Video Options* menu, select and enter *Color Bars & Purity*. Verify correct color and purity for Red, Blue and Green screens. Use the convergence screen to also verify linearity. See Appendix n.



Lamp Test

From the *Diagnostics Menu* select and enter *Lamp Test*. Use View1 or View 3 to select the lamp and press Start to activate that lamp. Verify that ALL lamps are working.

Lamp Test Menu	Lamp Test	Note:
All Lights On		
All Lights Off		
Viewl Light On		I amon for action accord also ha
View2 Light On View3 Light On		Lamp function could also be
Start Light On		verified using Switch Test.
Tunes Light On		vernied using Switch Test.
Top Lights On		
Leader Light On		
Seat Lights On		Please check the coin door
Pedestal Lights On		T lease encer the contration
Top Speaker Lights On		lamps as part of your game
Keypad Light On		
Seatback Lights On		diagnostic check.
Tachometer On Speedometer On		
7 Segment On		
/ begment on		
Exit		
Vol +/-, View1/View3 to Navigate		
Test, Start to Select		
Service, Tunes to Exit	7951 1.34	

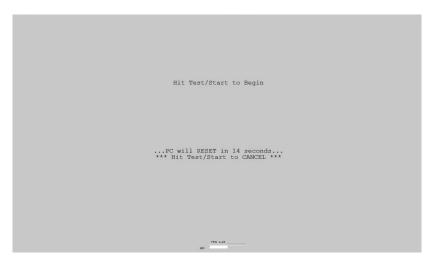
Coin Meter Test

From the *Diagnostics Menu* select and enter *Coin Meter Test*. Advance the meter once using by pressing Start. Press the Tunes Button to return to *Diagnostics Menu*.

Hit Test/Start to advance coin meter
Hit Service/Tunes to exit
79 134

Watchdog Test

From the *Diagnostics Menu* select and enter *Watchdog Test.* The game will reset in approximately 6 seconds. The watchdog feature allows the PC to monitor normal game software and hardware operation.



Link Sytem

From the *Main Menu*, select *Link System* and enter to view options.

ink System Menu tatus eliability Test	Link System Status Link system is disabled.					
Show All Machine IDs	Turn on via Network Enabled adjustment		Link S	ystem Reliabil	ity Test	
Restart Link System Reset Link System Config.	in System Adjustments menu.	This machine ID: Test Status: No	3 other mach:	nes are linke	d (or Link Sys	tem is down
		Machine ID	Sent To	Received	Success Rate	Status
Exit		1	0	0	0.00%	No Data
		2	0	0	0.00%	No Data
		4	0	0	0.00%	No Data
		5	0	0	0.00%	No Data
		6	0	0	0.00%	No Data
		7	0	0	0.00%	No Data
		8	0	0	0.00%	No Data
			Start/Te Tunes/Se	est to toggle rvice to exit	data flow this test	
Vol +/-, View1/View3 to Navigate Test, Start to Select Service, Tunes to Exit	me Los			7751 L24		

Game Audits

From the Main Menu, select Game Audits and enter to view options.

Audits Menu	Game Audits
General 1	
General 2	
Courses	
Course Wins	
Placings	
Vehicles	
Upgrades	
Stunts	
Trophies	
Exit	
Vol +/-, View1/View3 to Navigate	
Test, Start to Select	
Service, Tunes to Exit	PISI 200.03

Note:

- Use game audit screens to assess game performance.
- Use information to determine options such as game difficulty and free game award to maximize game earnings.
- Use information to detect possible intermittent problems.

General 1 Audits

From the *Audits Menu*, select *General 1* and enter to view general game statistics. Press the Tunes Button to return to *Main Menu*.

Audits Menu	General Audits	
General 1	Time Game On	3:43:31.96
General 2	Time Game Played	0:07.21
Courses	Time Per Game	0:00.13
Course Wins		
Placings	Games Played	55
Vehicles	Games Started	2
Upgrades	Games Continued	0
Stunts	Games Timed Out	0
Trophies	Free Games	0 0.00%
*	Pin Games	0 0.00%
Exit	Link Games	0 0.00%
	Quick Play Games	0 0.00%
	Boot Ups	347
	Test Mode Entries	94
	Automatic Reboots	0
	Watchdog Resets	329
	No I/O Board Init	
	Unfinished Games	55
Vol +/-, View1/View3 to Navigate		
Test, Start to Select		
Service, Tunes to Exit	FF51 240.42	
	600	

General 2 Audits

From the *Audits Menu*, select *General 2* and enter to view additional general game statistics. Press the Tunes Button to return to *Main Menu*.

Audits Menu	General Audits		
General 1	Automatic Games	0 0.00%	
General 2	Manual Games	0 0.00%	
Courses			
Course Wins	Low Cam Time	0:00.00	
Placings	Med Cam Time	0:00.00	
Vehicles	High Cam Time	0:00.00	
Jpgrades			
Stunts	Total Coindrops	220	
Irophies	Slot 0 Left	219	
-	Slot 1 Right	1	
Exit	Slot 2 DBV	0	
	Current Credits	0	
	Current Coins	0	
	Lifetime Coin Cou	nt 000000200	
Vol +/-, View1/View3 to Navigate	2		
Test, Start to Select			

Course Audits

From the *Audits Menu*, select *Courses* and enter to view individual information on each course. View how many times each course is selected, as well as its popularity by overall percentage. Press the Tunes Button to return to *Main Menu*.

Audits Menu	Course Plays /	Percent	Course Se	lects / Percent
General 1	Mojave	0	0.00% 0	0.00%
General 2	Times Square	0	0.00% 0	0.00%
Courses	Hawaii	0	0.00% 0	0.00%
Course Wins	Chinatown	0	0.00% 0	0.00%
Placings	Shinjuku	0	0.00% 0	0.00%
Vehicles	Sturgis	0	0.00% 0	0.00%
Upgrades	Baja	0	0.00% 0	0.00%
Stunts	Florida	0	0.00% 0	0.00%
Trophies	Switzerland	0	0.00% 0	0.00%
	Monaco	0	0.00% 0	0.00%
Exit	New England	0	0.00% 0	0.00%
	Malibu	0	0.00% 0	0.00%
	Shibuya	0	0.00% 0	0.00%
	Kyoto	0	0.00% 0	0.00%
	Chicago	0	0.00% 0	0.00%
	Sado	0	0.00% 0	0.00%
	LA Ghetto	0	0.00% 0	0.00%
	Shanghai	0	0.00% 0	0.00%
	Central Park	0	0.00% 0	0.00%
	Detroit	0	0.00% 0	0.00%
	Takayama	0	0.00% 0	0.00%
	Nagano	0	0.00% 0	0.00%
	San Francisco	0	0.00% 0	0.00%
	Hollywood	0	0.00% 0	0.00%
	SF Tour	0	0.00% 0	0.00%
	Chinatown EX	0	0.00% 0	0.00%
Vol +/-, View1/View3 to Navigate Test, Start to Select	Mulholland Dr	0	0.00% 0	0.00%
Service, Tunes to Exit	FP51 228.30			

Course Wins Audit

From the *Audits Menu*, select *Courses Wins* and enter to view individual win and overall percentage information on each course. Press the Tunes Button to return to *Main Menu*.

Audits Menu	Course Wins / F	ercent		
General 1	Mojave	0	0.00%	
General 2	Times Square	0	0.00%	
Courses	Hawaii	0	0.00%	
Course Wins	Chinatown	0	0.00%	
Placings	Shinjuku	0	0.00%	
Vehicles	Sturgis	0	0.00%	
Upgrades	Baja	0	0.00%	
Stunts	Florida	0	0.00%	
Trophies	Switzerland	0	0.00%	
	Monaco	0	0.00%	
Exit	New England	0	0.00%	
	Malibu	0	0.00%	
	Shibuya	0	0.00%	
	Kyoto	0	0.00%	
	Chicago	0	0.00%	
	Sado	0	0.00%	
	LA Ghetto	0	0.00%	
	Shanghai	0	0.00%	
	Central Park	0	0.00%	
	Detroit	0	0.00%	
	Takayama	0	0.00%	
	Nagano	0	0.00%	
	San Francisco	0	0.00%	
	Hollywood	0	0.00%	
	SF Tour	0	0.00%	
	Chinatown EX	0	0.00%	
Vol +/-, View1/View3 to Navigate Test, Start to Select	Mulholland Dr	0	0.00%	
Service, Tunes to Exit	FPS1 235.23			

Placings Audit

From the *Audits Menu*, select *Placings* and enter to view individual count for each standing and percentage information. Use this information to determine game difficulty adjustments to properly reward players and maximize game earning performance. Press the Tunes Button to return to *Main Menu*.

Audits Menu	Placings / Perce	nt		
General 1	1st Place	0	0.00%	
General 2	2nd Place	0	0.00%	
Courses	3rd Place	0	0.00%	
Course Wins	4th Place	0	0.00%	
Placings	5th Place	0	0.00%	
Vehicles	6th Place	0	0.00%	
Upgrades	7th Place	0	0.00%	
Stunts	8th Place	0	0.00%	
Trophies				
	Average Place	0.00		
Exit				
	Max Win Streak	0		
	Max Lose Streak	0		
	Cur Win Streak	0		
	Cur Lose Streak	0		
Vol +/-, View1/View3 to Navigate				
Test, Start to Select				
Service, Tunes to Exit	FF51 246.54			

Vehicles Audit

From the *Audits Menu*, select *Vehicles* and enter to view individual count for each vehicle selection and percentage information. Press the Tunes Button to return to *Main Menu*.

Audits Menu	Vehicle Plays /	Percent	Vehicle Se	lects / Percent
General 1	Viper SRT10	0	0.00% 0	0.00%
General 2	Mustang GT	0	0.00% 0	0.00%
Courses	Camaro SS	0	0.00% 0	0.00%
Course Wins	GT -	0	0.00% 0	0.00%
Placings	370Z		0.00% 0	
Vehicles	S7_Twin_Turbo	0	0.00% 0	0.00%
Upgrades	Corvette ZR1	0	0.00% 0	0.00%
Stunts	S5S Raptor			
Trophies	Challenger SRT8			
	GT-R	0	0.00% 0	0.00%
Exit				
Vol +/-, View1/View3 to Navigate Test, Start to Select Service, Tunes to Exit	791 345.00			

Upgrade Audit

From the *Audits Menu*, select *Upgrades* and enter to view individual count for each vehicle feature upgrade selection and percentage information. Press the Tunes Button to return to *Main Menu*.

Upgrades			
Decal	0		
Tires	0		
Neon	0		
Nitro	0		
Body	0		
Spoiler	0		
Engine	0		
Upgrade Users	0		
Upgrade Buy-Ins	0		
Upgrade Credits	0		
1 visit:	0	0.00%	
2 - 4 visits:	0	0.00%	
5 - 9 visits:	0	0.00%	
10 - 14 visits:	0	0.00%	
15 - 19 visits:	0	0.00%	
20 - 24 visits:	0	0.00%	
25 - 29 visits:	0	0.00%	
30 - 39 visits:	0	0.00%	
40 - 49 visits:	0	0.00%	
50 - 69 visits:	0	0.00%	
70 - 99 visits:	0	0.00%	
100+ visits:	0	0.00%	
1			
	Decal Tires Neon Nitro Body Spoiler Engine Upgrade Users Upgrade Buy-Ins Upgrade Credits 1 visit: 2 - 4 visits: 5 - 9 visits: 10 - 14 visits: 15 - 19 visits: 20 - 24 visits: 20 - 24 visits: 30 - 39 visits: 50 - 69 visits: 50 - 69 visits: 50 - 9 visit	Decal 0 Tiras 0 Neom 0 Nitro 0 Body 0 Spoiler 0 Dygrade Users 0 Upgrade Buy-Ins 0 Upgrade Credits 0 1 visit: 0 2 - 4 visits: 0 15 - 19 visits: 0 20 - 24 visits: 0 20 - 29 visits: 0 30 - 39 visits: 0 30 - 39 visits: 0 30 - 9 visits:	Decal 0 Tires 0 Neon 0 Nitro 0 Body 0 Spoiler 0 Dygrade Buy-Ins 0 Upgrade Euy-Ins 0 Upgrade Credits 0 1 visit: 0 0 4 visits: 0 10 14 visits: 0 10 14 visits: 0 20 24 visits: 0 21 9 visits: 0 25 29 visits: 0 30 39 visits: 0 30 69 visits: 0 30 99 visits: 0 30 99 visits: 0 30 99 visits: 0 00+ visits: 0 00% 100+ visits: 0 00%

Stunts and Trophies Audit

From the *Audits Menu*, select *Stunts* and enter to view individual count for each stunt performed. Press the Tunes Button to return to Main Menu

Audits Menu		
	Stunts / Assists Wheelies 0 Slides 0 Leap Frogs 0 Back Flips 0 Helis 0 Rolls 0 End-Over-Ends 0	
General 1	Wheeling	
General 2	Wheelles 0	
Courses	Joan From 0	
Course Wins	Back Flips 0	
Placings	Helia 0	
Vehicles	Bolla 0	
Upgrades	End-Over-Ends 0	
Stunts	End-Over-Ends 0 Spinouts 0	
Trophies	Nitros 0	
Exit	Autopilot Triggers 0	
Vol +/-, View1/View3 to Navigate		
Test, Start to Select		
Service, Tunes to Exit	100 100 100 100 100 100 100 100 100 100	
Audits Menu	Trophies	
General 1	THE BEST! AROUND! 0	
General 2	GLOBETROTTER 0	
Courses	DRIFTOLOGIST 0	
Course Wins	CUDEDDIVED 0	
	SUPERDIKER	
Dissings	MUV FUDIORO 0	
Placings	MUY FURIOSO 0	
Vehicles	MUY FURIOSO 0 KING OF THE MTN 0	
Vehicles Upgrades	MUY FURIOSO 0 KING OF THE MTN 0 BROKE THE BANK 0	
Vehicles Upgrades Stunts	MUY FURIOSO 0 KING OF THE MTN 0 BROKE THE BANK 0 PACKED GARAGE 0	
Vehicles Upgrades	KING OF THE MTN 0 BROKE THE BANK 0 PACKED GARAGE 0 STABLE MASTER 0	
Vehicles Upgrades Stunts Trophies	KING OF THE MTN 0 BROKE THE BANK 0 PACKED GARAGE 0 STABLE MASTER 0 UADBYTET 0	
Vehicles Upgrades Stunts	KING OF THE MTN 0 BROKE THE BANK 0 PACKED GARAGE 0 STABLE MASTER 0 UADBYTET 0	
Vehicles Upgrades Stunts Trophies	KING OF THE MTN 0 BROKE THE BANK 0 PACKED GARAGE 0 STABLE MASTER 0 UADBYTET 0	
Vehicles Upgrades Stunts Trophies	KING OF THE MTN 0 BROKE THE BANK 0 PACKED GARAGE 0 STABLE MARSTER 0 HOBBUIST 0 FIRIEL THREAT 0 FIRST OF MANY 0 DOCK STRADY 0	
Vehicles Upgrades Stunts Trophies	KING OF THE MTN 0 BROKE THE BANK 0 PACKED GARAGE 0 STABLE MARSTER 0 HOBBUIST 0 FIRIEL THREAT 0 FIRST OF MANY 0 DOCK STRADY 0	
Vehicles Upgrades Stunts Trophies	KING OF THE MTN 0 BROKE THE BANK 0 FACKED GARAGE 0 STABLE MARSTER 0 HOBBYIST 0 FIRIFLE THREAT 0 FIRIFLE THREAT 0 FOROK STERDY 0 STOCK WEANOLER 0 UNTOUCHABLE 0	
Vehicles Upgrades Stunts Trophies	KING OF THE MTN 0 BROKE THE BANK 0 PACKED GARAGE 0 STABLE MARSTER 0 HOBBYIST 0 FIRIFLE THREAT 0 FIRIFLE THREAT 0 STICK WRANGLER 0 UUTCK DEAW 0	
Vehicles Upgrades Stunts Trophies	KING OF THE MTN 0 BROKE THE BANK 0 PACKED GARAGE 0 STABLE MARSTER 0 HOBBYIST 0 FIRIFLE THREAT 0 FIRIFLE THREAT 0 STICK WRANGLER 0 UUTCK DEAW 0	
Vehicles Upgrades Stunts Trophies	KING OF THE MTN 0 BROKE THE BANK 0 PACKED GARAGE 0 STABLE MARSTER 0 HOBBYIST 0 FIRIFLE THREAT 0 FIRIFLE THREAT 0 STICK WEANGLER 0 UUTCV DEAW 0 GOLD CHAIN 0 SILVER CHAIN 0	
Vehicles Upgrades Stunts Trophies	KING OF THE MTN 0 BROKE THE BANK 0 PACKED GARAGE 0 STABLE MARSTER 0 HOBBYIST 0 FIRIFLE THREAT 0 FIRST OF MANY 0 ROCK STERDY 0 STICK WRANGLER 0 QUICK DRAW 0 GOLD CHAIN 0 SILVER CHAIN 0	
Vehicles Upgrades Stunts Trophies	KING OF THE MTN 0 BROKE THE BANK 0 PACKED GARAGE 0 STABLE MARSTER 0 HOBBYIST 0 FIRIFLE THREAT 0 FIRST OF MANY 0 ROCK STERDY 0 STICK WRANGLER 0 QUICK DRAW 0 GOLD CHAIN 0 SILVER CHAIN 0	
Vehicles Upgrades Stunts Trophies	KING OF THE MTN 0 BROKE THE BANK 0 PACKED GARAGE 0 STABLE MARSTER 0 HOBBYIST 0 FIRIFLE THREAT 0 FIRST OF MANY 0 ROCK STEADY 0 STICK WRANGLER 0 UNTOUCHABLE 0 GOLD CHAIN 0 BRONZE CHAIN 0 TRICK MEISTER 0 OUTDUCHADE 0	
Vehicles Upgrades Stunts Trophies	KING OF THE MTN 0 BROKE THE BANK 0 PACKED GARAGE 0 STABLE MARSTER 0 HOBBYIST 0 FIRIFLE THREAT 0 FIRST OF MANY 0 ROCK STEADY 0 STICK WRANGLER 0 UNTOUCHABLE 0 GOLD CHAIN 0 BRONZE CHAIN 0 TRICK MEISTER 0 OUTDUCHADE 0	
Vehicles Upgrades Stunts Trophies	KING OF THE MTN 0 BROKE THE BANK 0 PACKED GARAGE 0 STABLE MARSTER 0 HOBBYIST 0 FIRIFLE THREAT 0 FIRIFLE THREAT 0 STICK WRANGLER 0 QUICK DRAW 0 GOLD CHAIN 0 SILVER CHAIN 0 BRONZE CHAIN 0 TRICK MEISTER 0	
Vehicles Upgrades Stunts Trophies	KING OF THE MTN 0 BROKE THE BANK 0 FACKED GARAGE 0 STABLE MARSTER 0 HOBBYIST 0 FIRIFLE THREAT 0 FIRST OF MANY 0 ROCK STEADY 0 STICK WEANGLER 0 UNTOUCHABLE 0 GOLD CHAIN 0 BRONZE CHAIN 0 GOLD FLIPPER 0 SILVER FLIPPER 0 SULVER FLIPPER 0 GOLD BONDO 0	
Vehicles Upgrades Stunts Trophies	KING OF THE MTN 0 BROKE THE BANK 0 PACKED GARAGE 0 STABLE MARSTER 0 HOBBYIST 0 FIRIFLE THREAT 0 FIRST OF MANY 0 ROCK STEADY 0 STICK WEANGLER 0 UNTOUCHABLE 0 GOLD CHAIN 0 BRONZE CHAIN 0 GOLD FLIPPER 0 SILVER FLIPPER 0 SULVER FLIPPER 0 GOLD BONDO 0	
Vehicles Upgrades Stunts Trophies Exit	KING OF THE MTN 0 BROKE THE BANK 0 FACKED GARAGE 0 STABLE MARSTER 0 HOBBYIST 0 FIRIFLE THREAT 0 FIRST OF MANY 0 ROCK STEADY 0 STICK WEANGLER 0 UNTOUCHABLE 0 GOLD CHAIN 0 BRONZE CHAIN 0 GOLD FLIPPER 0 SILVER FLIPPER 0 SULVER FLIPPER 0 GOLD BONDO 0	
Vehicles Upgrades Stunts Trophies Exit Vol +/-, View1/View3 to Navigate	KING OF THE MTN 0 BROKE THE BANK 0 FACKED GARAGE 0 STABLE MARSTER 0 HOBBYIST 0 FIRIFLE THREAT 0 FIRST OF MANY 0 ROCK STEADY 0 STICK WEANGLER 0 UNTOUCHABLE 0 GOLD CHAIN 0 BRONZE CHAIN 0 GOLD FLIPPER 0 SILVER FLIPPER 0 SULVER FLIPPER 0 GOLD BONDO 0	
Vehicles Upgrades Stunts Trophies Exit	KING OF THE MTN 0 BROKE THE BANK 0 FACKED GARAGE 0 STABLE MARSTER 0 HOBBYIST 0 FIRIFLE THREAT 0 FIRST OF MANY 0 ROCK STEADY 0 STICK WEANGLER 0 UNTOUCHABLE 0 GOLD CHAIN 0 BRONZE CHAIN 0 GOLD FLIPPER 0 SILVER FLIPPER 0 SULVER FLIPPER 0 GOLD BONDO 0	

Pricing Adjustment Menu

From the *Main Menu*, select *Pricing Adjustment* and enter. The Adjustment Menu allows you to customize the game. Each variable will change an aspect of the basic game pricing, other related player free game reward and upgrade cost. Optimizing these settings should result in continued high player interest and game earnings. You can monitor the affects of these options by comparing audit information before and after the changes have been implemented. Press Start to Select. Press Tunes or Service to Exit.

Pricing Menu		Credit Options
Freeplay	No	Please note the following:
Money Unit	USD	
Coin Value	0.25	Adjusting the number of coins
Coins Per Bill Pulse	1	per credit will reset the
Coins Per Credit	4	stored number of partial
Credits To Start	1	credits.
Credits To Continue	1	
Max Credits	30	
First Place Free Race	Yes	
Multiplay Win Free Race		
Purchasable Upgrades	Yes	
Credits Per Purchase		
Upgrades Per Purchase	2	
Sync All Adjustments		
Exit		
Vol +/-, View1/View3 to Test, Start to Select Service, Tunes to Exit	Navigate	774 Stor

Price Menu

From the *Pricing Adjustment Menu*, select *Freeplay* and enter. This option allows you to set the game to Free Play or at no cost. Any coins or bills inserted will continue to be accepted and counted. This will be reflected in the Audits. The credits issued money accepted during Freeplay mode will be available after Freeplay is turned off or deactivated. Please perform Clear Credits to remove unwanted credits. Press Start to Select. Press Tunes or Service to Exit.

Freeplay Activate? Yes No Cancel Vol +/-, View1/View3 to Navigate	Credit Options Please note the following: Adjusting the number of coins per credit will reset the stored number of partial credits.
Test, Start to Select Service, Tunes to Exit	P751 201.03

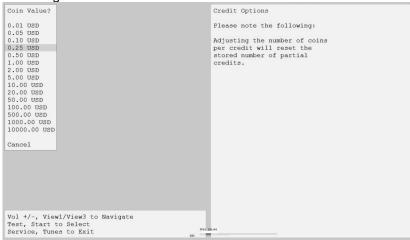
Money Unit Menu

From the *Pricing Menu*, select *Money Unit* and enter. Select the currency which applies to the games location and press Start to select. Press Start to Select. Press Tunes or Service to Exit.

Sele	ct Currency	Credit Options
AUD CAD EUR GBP DEM FRF JPY NLG ITL CHF BRL DKK MXN RUR KRW	US Dollars Aus Dollars Can Dollars Euros British Pounds Deutschemarks French Francs Japanese Yen Dutch Guilders Italian Lire Swiss Francs Brazilian Reals Danish Kroner Mexican Pesos Russian Rubles Korean Won Chinese Yuan el	<pre>Please note the following: Adjusting the number of coins per credit will reset the stored number of partial credits.</pre>
Test	+/-, View1/View3 , Start to Select ice, Tunes to Exi	1961 ano.11 Ko

Coin Value Menu

From the *Pricing Menu*, select *Coin Value* and enter. Choose the coin value based on the currency selected and the coin acceptor type or setting. Press Start to Select. Press Tunes or Service to Exit.



Coin Per Bill Pulse Menu

From the *Pricing Menu*, select *Coin per Bill Pulse Menu* and enter. Choose the equivalent coin value based on the bill acceptor currency type or settings. Press Start to Select. Press Tunes or Service to Exit.

Coins Per Bill Pulse? Credit Options Credit Options Please note the following: Adjusting the number of coins per credit will reset the stored number of partial credits. Cancel Vol +/-, Viewl/View3 to Navigate Test, Start to Select Service, Tunes to Exit		
2 3 4 5 5 5 10 22 55 50 100 Cancel Vol +/-, Viewl/View3 to Navigate Test, Start to Select Service Tuest to Evit	Coins Per Bill Pulse?	Credit Options
2 3 4 5 5 5 6 10 22 55 50 100 Cancel Vol +/-, Viewl/View3 to Navigate Test, Start to Select Service Tuest to Evit	1	Please note the following:
4 per credit will reset the stored number of partial credits. 20 20 20 20 20 20 20 20 20 20 20 20 20 2		
4 sper credit will reset the stored number of partial credits.	3	Adjusting the number of coins
5 stored number of partial credits.	4	
10 credits. 25 50 100 Cancel Vol +/-, View1/View3 to Navigate Test, Start to Select Service Tues to Evit	5	
25 50 100 Cancel Vol +/-, View1/View3 to Navigate Test, Start to Select Service Tues to EVit	10	
25 50 100 Cancel Vol +/-, View1/View3 to Navigate Test, Start to Select Service Tues to EVit	20	
50 100 Cancel Vol +/-, Viewl/View3 to Navigate Test, Start to Select Service Tuest to Evit		
100 Cancel Vol +/-, View1/View3 to Navigate Test, Start to Select Service Tues to EVit		
Cancel Vol +/-, Viewl/View3 to Navigate Test, Start to Select Service Tuest to Evit Trans		
Vol +/-, Viewl/View3 to Navigate Test, Start to Select Service Tuest to Fut		
Test, Start to Select	Cancel	
Test, Start to Select		
Service Tunes to Evit "Silab.x		
		FE41 200. W
	Service, Tunes to Exit	

Coin Per Credit Menu

From the *Pricing Menu*, select *Coin per Credit Menu* and enter. Choose the number of coins required to earn one credit. Press Start to Select. Press Tunes or Service to Exit.

Coins Per Credit? 1 2 3 4 5 6 7 7 8 9 9 10 Cancel	Credit Options Please note the following: Adjusting the number of coins per credit will reset the stored number of partial credits.
Vol +/-, Viewl/View3 to Navigate Test, Start to Select Service, Tunes to Exit 700	20-4

Credit To Start Menu

From the *Pricing Menu*, select *Credit To Start Menu* and enter. Choose the number of credits required to start one game. Press Start to Select. Press Tunes or Service to Exit.

Coins Per Credit? 1 2 3 4 5 6 7 8 9 10 Cancel	Credit Options Please note the following: Adjusting the number of coins per credit will reset the stored number of partial credits.
Vol +/-, View1/View3 to Navigate Test, Start to Select Service, Tunes to Exit	7951 80-4L

Credit to Continue Menu

From the *Pricing Menu*, select *Credit To Continue Menu* and enter. Choose the number of credits required to continue from the current game. Press Start to Select. Press Tunes or Service to Exit.

Max Credits Menu

From the *Pricing Menu*, select *Max Credit Menu* and enter. Choose the number of maximum credits the game will post. Please note that the game will continue to accept and count additional coins with no additional credits added over the maximum number selected. Press Start to Select. Press Tunes or Service to Exit.

<u>1st Place Free Race Menu</u>

From the *Pricing Menu*, select **1**st *Place Free Race* and enter. The player wins a free race for a 1st place overall finish during a single of networked race game. Press Start to Select. Press Tunes or Service to Exit.

Multiplay 1st Place Wins Free Race

From the *Pricing Menu*, select *Multiplay 1st Wins Free Race* and enter. Select the amount of time in seconds given to the player to reach the first check point. Press Start to Select. Press Tunes or Service to Exit.

Purchasable Upgrades ?

From the *Pricing Menu*, select *Purchasable Upgrades* and enter. This option if enabled allows purchase of upgrades. Press Start to Select. Press Tunes or Service to Exit.

Upgrades per Credit Menu

From the *Pricing Menu*, select *Upgrades per Credit* and enter. Choose the number of upgrades given per credit. Press Start to Select. Press Tunes or Service to Exit.

System Ajustments Menu

From the *Main Menu*, select *System Adjustments* and enter. Press Start to Select. Press Tunes or Service to Exit.



Attract Audio Menu

From the **System Adjustment Menu**, select **Attract Audio** and enter. Select option to play game music during standby or attract mode. Press Start to Select. Press Tunes or Service to Exit.

Max Name Length Menu

From the **System Adjustment Menu**, select **Max Name Length** and enter. Choose the maximum number of alpha numeric characters allowed during player name entry. Press Start to Select. Press Tunes or Service to Exit.

Wheel Stiffness Level Menu

From the *Adjustment Menu*, select *Wheel Stiffness* and enter. Select wheel stiffness level. Default setting is 0.20. Press Start to Select. Press Tunes or Service to Exit.

Automatic Volume Sync Menu

From the **System Adjustment Menu**, select **Automatic Volume Sync** and enter. Select option to synchronize game volume adjustment across all linked or networked games. When active, volume for all linked games can be adjusted to the same level from any one of the games connected to the network. Press Start to Select.

Automatic Volume Sync Menu

From the **System Adjustment Menu**, select **Automatic Volume Sync** and enter. Select option to synchronize game volume adjustment across all linked or networked games. When active, volume for all linked games can be adjusted to the same level from any one of the games connected to the network. Press Start to Select. Press Tunes or Service to Exit.

Allow Feedback Wheel Effects

From the **System Adjustment Menu**, select **Allow Feeback Wheel Effects** and enter. If this feature is active, the steering wheel feedback mechanism produces an appropriate response to the steering wheel during events such as collisions or driving on gravel for added realism and enhanced player experience. Press Start to Select. Press Tunes or Service to Exit.

Networking

From the **System Adjustment Menu**, select **Networking** and enter. If this feature is ON the game will look for networked games and assign IP address to each unit. Set to OFF for single unit operation. Press Start to Select. Press Tunes or Service to Exit.

Network ID

From the **System Adjustment Menu**, select **Network ID** and enter. It is critical that each networked unit is assigned a different Network ID for proper link operation. Games in the network may require reboot after setting Network parameter. Press Start to Select. Press Tunes or Service to Exit.

Language

From the **System Adjustment Menu**, select **Language** and enter. Press Start to Select. Press Tunes or Service to Exit.

Language	Preferences and Adjustments
English	Change all system related
Japanese	adjustments and settings here.
Chinese	,
Cancel	
Vol +/-, Viewl/View3 to Navigate Test, Start to Select Service, Tunes to Exit	771 20.0

Game Ajustments Menu

From the *Main Menu*, select *Game Adjustments* and enter. Press Start to Select. Press Tunes or Service to Exit.

Game Adjustments		Preferences and Adjustments
Start Time Bonus Checkpoint Time Bonus Game Difficulty Speed Measurements Plays For Score Reset Autopilot Available Girls & Crowds Active Use Old Select Method Sync All Adjustments	80.00 30.00 4 MPH 10000 Yes Yes No	Change all game related adjustments and settings here.
Exit		
Vol +/-, View1/View3 to Test, Start to Select Service, Tunes to Exit	Navigate	778: 56.12 20

Note:

Please reference the game Audit information to determine the appropriate difficulty setting for your location. Compare changes in game statistics and game revenue before and after the change.

Start Time Bonus Menu

From the **Game Adjustment Menu**, select *Start Bonus Time* and enter. Select amount of time given at the start of the race to reach the first Checkpoint. Additional time is given at each Checkpoint. Press Start to Select. Press Tunes or Service to Exit

Checkpoint Bonus Time Menu

From the **Game** *Adjustment Menu*, select *Checkpoint Bonus Time* and enter. Select the amount of time in seconds given to the player to reach the next check point after reaching a check point. Press Start to Select. Press Tunes or Service to Exit.

Game Difficulty Menu

From the **Game** *Adjustment Menu*, select *Game Difficulty* and enter. The default difficulty level is 5. Press Start to Select. Press Tunes or Service to Exit.

Speed Measurement Menu

From the **Game** *Adjustment Menu*, select *Speed Measurement* and enter. Select which unit is to be used to measure car speed. Choose MPH or Miles per Hour. Choose KPH or Kilometers per Hour. Press Start to Select. Press Tunes or Service to Exit

Plays for High Score Reset Menu

From the *Adjustment Menu*, select *Plays for High Score Reset* and enter. Select the number of plays before high score table is reset. Press Start to Select. Press Tunes or Service to Exit.

Autopilot Available Menu

From the **Game** *Adjustment Menu*, select *Autopilot Available* and enter. When active, this feature allows the game to run in autopilot mode after 10 seconds has elapsed without player input. This provides an opportunity for younger players to enjoy the game experience as well. Press Start to Select. Press Tunes or Service to Exit

Girls and Crowds Enable Menu

From the *Game Adjustment Menu*, select *Girls and Crowds* and enter. Starting line girl and crowds feature can be activated or deactivated by selecting yes or no. Press Start to Select. Press Tunes or Service to Exit.

Note:

The starting line girl and crowd can be removed for certain locations which may consider this feature not suitable or appropriate.

Utilities Menu

From the **Test Main Menu**, select **Utilities** and enter. The Utilities Menu contains tools which the operator could use to manage game adjustments or reset key game and player score and statistic information. The option to perform a game factory restore can also be accessed.

Clear Credits Clear Audits teaset High Scores befault Adjustments befault Adjustments cell Link System Config. Pactory Restore Sync All Adjustments Hiew Messages copy Audits and Log to USB copy High Scores to USB txit Yol +/-, Viewl/View3 to Navigate Teat, Start to Select Teat, Start to Select	Utilities Menu	Utilities
<pre>2Lear Audits tease High Scores teaset High Scores befault Adjustments teaset Link System Config. Partory Restore Pyno All Adjustments Hiew Messages Sopy Audits and Log to USB Scopy High Scores to USB txit</pre>	CRC Check	
kaset High Scores keset Player Stats befault Adjustments Actory Restore Sync All Adjustments View Mersages Copy Audits and Log to USB Copy High Scores to USB Exit Vol 4/-, Viewl/View3 to Navigate Peat, Start to Select	Clear Credits	
Neese Player Stats Neeset Link System Config. Nactory Restore Nync All Adjustments Niew Errors Niew Messages Sopy Audits and Log to USB Sopy High Scores to USB Exit Not 4/-, Viewl/View3 to Navigate Test, Start to Select Terrice. Times to Exit	Clear Audits	
<pre>befault Adjustments keest Link System Config. Factory Restore sync All Adjustments /iew Errors /iew Messages /opy Audits and Log to USB /opy High Scores to USB /xit /ol +/-, Viewl/View3 to Navigate /eat, Start to Select // Image to Exit // Image to Exit // Image // Im</pre>		
<pre>keact Link System Config. Factory Restore Pync All Adjustments //iew Terrors //iew Messages Dopy Audits and Log to USB Dopy High Scores to USB Exit /ol 4/-, Viewl/View3 to Navigate //eat, Start to Select Farties. Times to Exit meter //iew Start to Select</pre>		
Pactory Restore byno All Adjustments Hiew Messages topy Audits and Log to USB topy High Scores to USB topy High Scor	Default Adjustments	
Vyne All Adjustments View Terrors View Messages Sopy Audits and Log to USB Sopy High Scores to USB Exit Vol 4/-, Viewl/View3 to Navigate Yeat, Start to Select Service. Thus to Exit		
View Errors View Messages Sopy Audits and Log to USB Sopy High Scores to USB Sxit Vol 4/-, Viewl/View3 to Navigate Yeat, Start to Select Bryrice. Trues to Exit The to Exit	Factory Restore	
View Messages Jopy Audits and Log to USB Sopy High Scores to USB Skit Vol 4/-, Viewl/View3 to Navigate Teat, Start to Select Service. These to Exit	Sync All Adjustments	
Yopy Hudits and Log to USB Copy High Scores to USB Exit Yol 4/-, Viewl/View3 to Navigate Teat, Start to Select Fervice. Thus to Exit	View Errors	
<pre>/// High Scores to USB /// // // View1/View3 to Navigate /// // View1/View3 to Navigate /// // // // // // // // // // // // //</pre>	View Messages	
/ol 4/-, Viewl/View3 to Navigate Peat, Start to Select	Copy Audits and Log to USB	
/ol 4/-, Viewl/View3 to Navigate Peat, Start to Select	Copy High Scores to USB	
/ol 4/-, Viewl/View3 to Navigate Peat, Start to Select		
Nest, Start to Select	Exit	
Nest, Start to Select		
Nest, Start to Select	Vol +/-, View1/View3 to Navigate	
	Test, Start to Select	
	Service, Tunes to Exit	1751 1.04 600

Note:

- Information will be permanently erased by Clear or Reset functions.
- It is often ideal to perform a factory restore when the game is being moved to a new location.
- Record your game audit information if performing any of the above functions

CRC Check Menu

From the *Utilities Menu*, select *CRC Check* and enter. Performing CRC check verifies the integrity of the software. Press Start to Select. Press Tunes or Service to Exit.

Clear Credit Menu

From the *Utilities Menu*, select *Clear Credits* and enter. Performing Clear Credit will delete any remaining credits posted. Press Start to Select. Press Tunes or Service to Exit.

Clear Audit Menu

From the *Utilities Menu*, select *Clear Audit* and enter. Performing Clear Audit will delete all audit information found on the Audit Menu. Please record them if you ever need to reference the information. Press Start to Select. Press Tunes or Service to Exit.

Clear High Scores Menu

From the *Utilities Menu*, select *Clear High Scores* and enter. Performing Clear High Score will clear the all high score tables. Press Start to Select. Press Tunes or Service to Exit.

Clear Player Stats Menu

From the *Utilities Menu*, select *Clear Player Stats* and enter. Performing Clear Player Stats will clear all player information, including PIN, car upgrades and money earned. Press Start to Select. Press Tunes or Service to Exit.

Set Default Adjustments Menu

From the *Utilities Menu*, select *Default Adjustment* and enter. Performing Default Adjustment setting will restore game adjustments back to its manufacturer recommended settings. The game will need to be re-calibrated. Press Start to Select. Press Tunes or Service to Exit.

Set Default Adjustments Menu

From the *Utilities Menu*, select *Reset Link System Config* and enter. This utility allows the communication between linked games to be re-established due to a possible fault other than hardware. Check all network related hardware (cables, router) and make sure that they are connected and then power cycle the games. Press Start to Select. Press Tunes or Service to Exit.

Factory Restore Menu

From the *Utilities Menu*, select *Factory Restore* and enter. Performing Factory Restore will restore game adjustments back to its manufacturer recommended settings and clear all audit information. The game will need to be re-calibrated. Press Start to Select. Press Tunes or Service to Exit.

Calibration Menu

From the **Test Main Menu**, select **Calibration** and enter. Making sure that the wheel, gas and brake are all properly calibrated is the easiest way to make sure that your driving game could maximize its earning potential. Follow the screen instructions carefully. Verify proper calibration on the Switch Test screen. Check and make sure that the minimum, center and maximum values correspond to the actual position of the control.

	Note:
Calibration Turn Left Then Hit Test/Start Turn Right Then Hit Test/Start Hit Gas Then Hit Test/Start Digital Brake, No Calibration Hit Test/Start to Exit Wheel: Cur 4091 Min 0 Max 4090 Gas: Cur 4090 Min 0 Max 4091 Brake: No Calibration For Digital Brake.	 If the game requires constant re-calibration, check the controls for mechanical wear or damage. Replace if necessary. Normal wear and tear of the controls means that calibration should be part of the games
75.14	

Volume Menu

From the **Test Main Menu**, select **Volume** and enter. This refers to the game volume while in play. Use the Volume Up/ Volume Down button on the service panel to adjust volume level. Press Start to Select. Press Tunes or Service to Exit.

Volume Menu

From the **Test Main Menu**, select **Attract Volume** and enter. This refers to the attract mode volume. Use the Volume Up/ Volume Down button on the service panel to adjust volume level. Press Start to Select. Press Tunes or Service to Exit.

Note:

- Adjusting the volume while in attract mode only affects the attract volume and the not the actual game volume.
- Adjustment to game volume must be done while on Volume Adjust screen or while on game mode.

TROUBLESHOOTING GUIDE

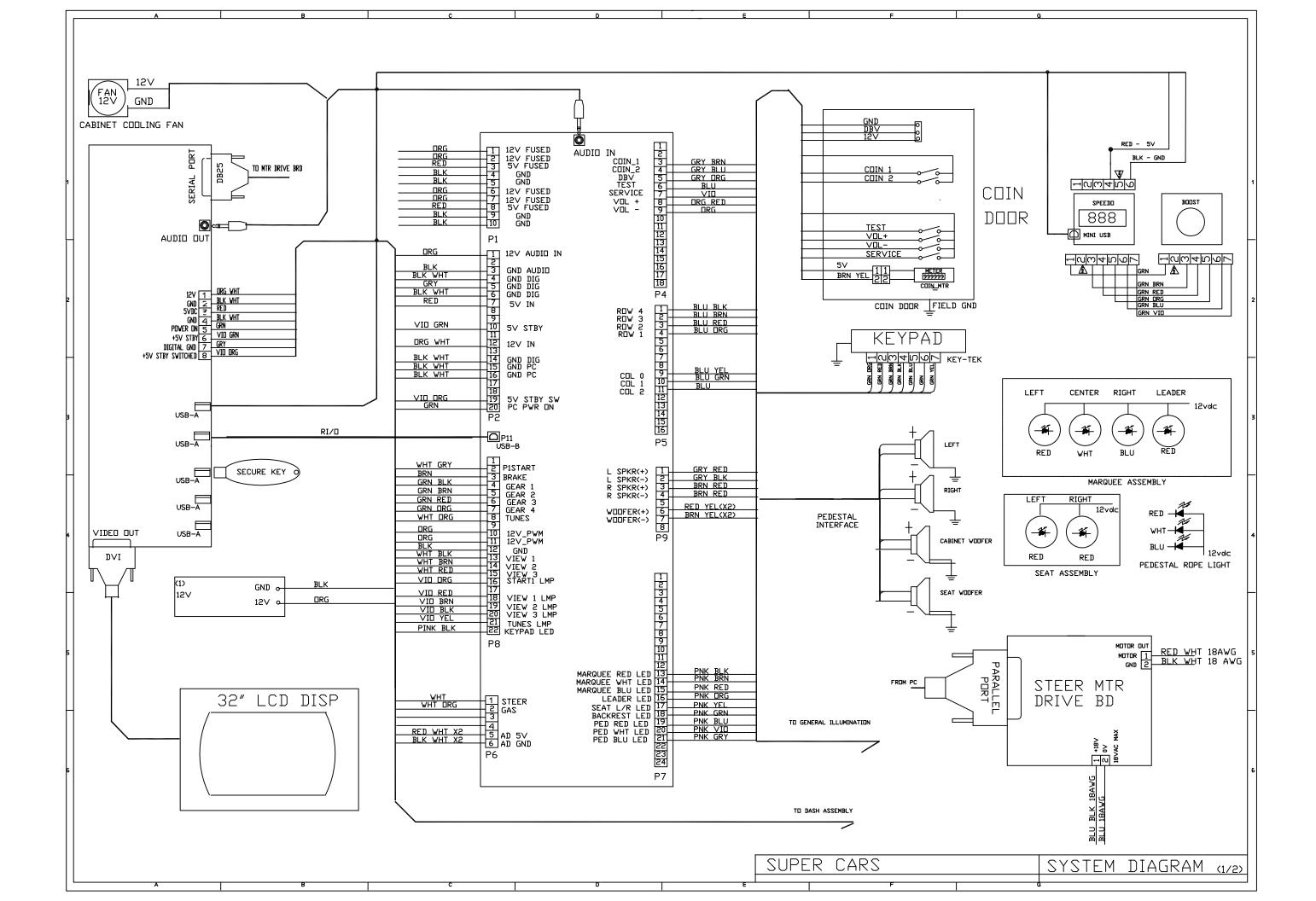
PROBLEM	POSSIBLE CAUSE	SOLUTION		
Game will not power	Game not plugged in.	Plug game into receptacle.		
up.	Game not turned on.			
	Game fuse is blown	Turn ON main power switch Check game fuse.		
	No power to receptacle.	Plug game into powered receptacle.		
	PC power switch is OFF	Turn PC power switch ON.		
	PC BIOS set wrong.	See Appendix B.		
"No Signal" Message	Video cable not secure.	Check and secure video connector.		
	PC not turned ON.	Turn ON power to PC.		
No video display.	No power to video display.	Check power to video display.		
		see Game will not power up.		
No sound.	Audio cable not connected.	Check audio cable connection.		
	Speaker not connected.	Check speaker connection.		
"I/O Board Missing"	USB connector not	Check USB connector from PC to I/O		
	connected.	board. Perform Hard Drive Recovery		
Game will not load.	New Hard Drive installed.	Power cycle by un-plugging game.		
		Perform Hard Drive Recovery		
	Hard Drive data corrupted.	Perform Hard Drive Recovery.		
Game Freezes	Secure Dongle Loose	Secure and Tighten Dongle		
	Poor Ventilation	Check Fan Operation and Airflow		
	USB cable loose	Remove and Reinsert USB both ends		
		of cable		
	Failing or Bad Power	Check Power Supply Output or		
	Supply	Replace With Known Good.		
	Corrupted Hard Drive	Perform CRC Check. Re-Image if bad.		
Game resets.	Low DC voltage.	Check for proper voltage(+5V,+12V).		
		Adjust cabinet main power supply.		
	Door lamp is wrong rating.	Use only 5volt lamps.		
	Cabinet/PC temperature is	Check that vents and fans are		
	too high.	functioning and not obstructed.		
	Hard Drive data corrupted.	Perform Hard Drive Recovery		
Not Linking	DIP Switch Set Wrong	Refer to Networking Setup Section.		
	Network Cable Bad	Check Connection or Replace		
	Game Operator Settings	Make Sure All Settings Are The Same		
	Not The Same.	Between Linked Games		
No Wheel Feedback	Bad Wheel Driver Board	Replace With Known Good To Verify		
	Bad Fuse on Wheel Driver	Replace Fuse On Wheel Driver With		
	Board	The Same Value Fuse		
	Parallel Cable Loose	Secure and Tighten Parallel Cable		
	Loose Electrical Connection	Check Connection To Motor and Wheel		
		Driver Board		
	Bad Transformer Fuse	Replace With Same Value Fuse		

Warning: Do not connect or disconnect any cables or connectors on this game with the power on. This could potentially damage the game.

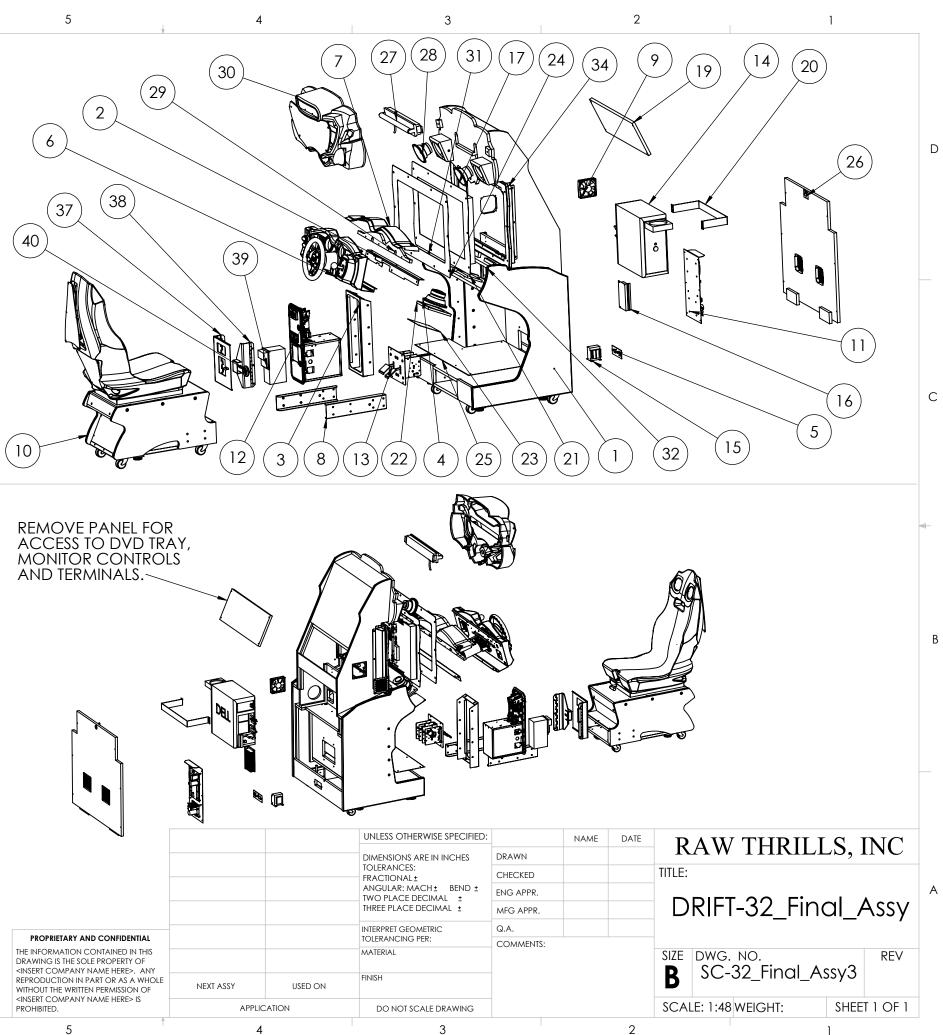
Super Cars Technical Information

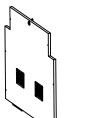
Electrical Mechanical Parts Appendixes Notes





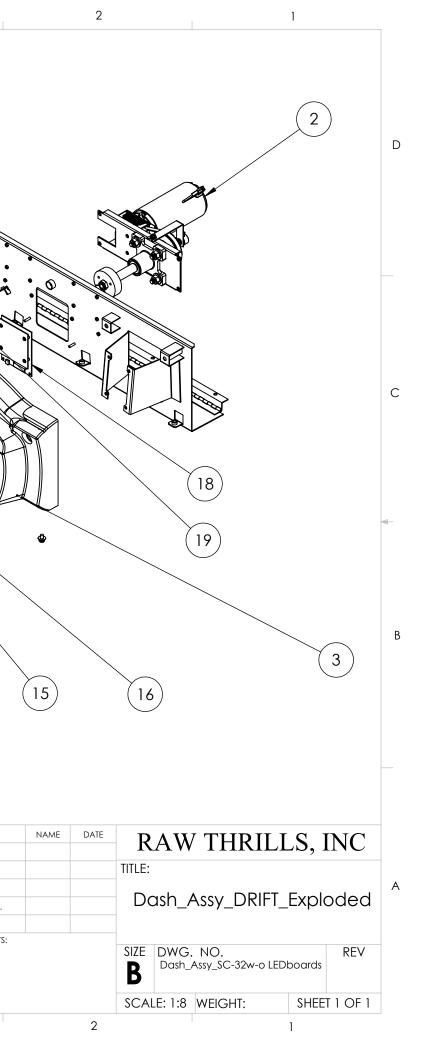
_	ITEM NO.	PART NUMBER	DESCRIPTION	Q				
ſ	1	601-00523-01	Supercars 32" Main Cabinet	1				
	2	600-00618-01	SC32 Dash Jamb Mounting Bracket	1				
	3	608-00031-01	H2O Coindoor Housing	1				
	4	2-1-11-00-00-000	Speaker Woofer-6.5" 4 OHm	1				
	5	600-00076-01	AC Inlet Power Plate (standard)	1				
	6	Dash_Assy_SC- 32wLEDboards	Dash_Assy_DRIFT_Exploded	1				
	7	603-00518-01	SC32 Hood Plastic	1				
	8	600-00030-01	PEDESTAL MOUNTING CHANNEL					
	9	820-00001-00	Fan, 120vac,19/15W					
	10	Supercars_Pedestal_A ssy-32	Supercars_Pedestal_Assy-32					
	11	RIO_DRIFT_ASSY						
		40-6000-00						
	13	604-00012-01	50-2661-10 Happ Dual Pedals					
	14	850-00010-00	OPTIPLEX_PC					
		X-former						
	16	2-1-02-00-00-021	UP52 Power Supply 12V/9A GH					
	17	600-00608-01	SC32- LCD End Cap					
	18	600-00110-01	H2O Cabinet Perf Side Vent					
	19	601-00526-01	SC32 Upper Back Door					
	20	600-00120-01	Dell OptiPlex 740 Mounting Bracket					
	21	32-LCD-ASSY-SC- Strippeddown3						
	22	601-00527-01	Woofer Mounting Board					
	23	600-00616-01	SC32 Under dash Woofer Grill					
	24	606-00544-01	SC32 Monitor Frame Sticker					
	25	600-00619-01	SC32 Cabinet Floor Diamond Plate					
	26	Backdoor Assy						
	27	812-00004-01	18" Flourescent Assy 240V					
	28	2-1-10-00-00-000	5.25 Full Range Speaker					
	29	601-00531-01	Cabt Dash Support_SC_32 (Camel Back)					
	30	Marquee_Assy-32						
	31	T-molding_Left						
	32	T-molding_Right						
	33	T-molding_Ped						
	34	T-molding_Monitor						
	35	702-00006-00	12 inch red CCFL					
	36	600-00021-01	Pedal Light Lens					
	37	600-00650-01	Supercars-Hasp-Left(dbv/under)					
	38	600-00651-01	SC-Hasp-Right(DBV-under)					
	39	DBVrough						
	40	Diskus-Lock						





	8 7 6 5	4			3		2		1	
		REVISIONS								
			ZONE	REV.		DESCRIPTI	ON	DATE	APPROVED	
				А	AD	DED ITEM #9 TO) ASSEMBLY	11/1/2010	MJD	
D										D
С										С
->										-
			ITEM N		PART NUM	/BER		RIPTION	QTY.	
В			1		1-00524-01			Pedestal	1	В
			2		percars_Se	at_Assy		rs_Seat_Assy		
			3		06-00584-01		•	edestal Marquee destal LED Clip		
			5		0-00056-01			ng_72_RGB	4	_
			6	IU	nderseat lar	np and		Seat Lamp	1	
			7	50	cket 00-00039-01			ower window	1	_
			8		0-00103-01		Pedestal D	iamondplate	1	
	9	(A)	9		0-00648-01		Supercars-Rea	ar Marquee Edg acket	e 1	
	$\begin{pmatrix} 4 \\ 5 \end{pmatrix}$			UNLESS	OTHERWISE SPECIFIED	:		AW THRI		1
				TOLERAN	ONS ARE IN INCHES ICES:	DRAWN	TITLE			/
А				FRACTIC ANGULA	NAL± R: MACH± BEND ± .CE DECIMAL ±	CHECKED ENG APPR.				A
				THREE PL	ACE DECIMAL ±	MFG APPR.	Su	percars_Pede	estal_Assy-3	52
	PROPRIETARY AND CONFIDENTIAL			TOLERAN		Q.A. COMMENTS:				
	THE INFORMATION CONTAINED IN THIS DRAWINOR THE SOLE PROPERTY OF <insert company="" here="" name="">, ANY</insert>			MATERIAL			SIZE	DWG. NO. Supercars_Pedesta	REV	
	REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF	ASSY	USED ON	FINISH			В		Assy-32	•
	<insert company="" here="" name=""> IS PROHIBITED.</insert>	APPLICA	TION	DON	OT SCALE DRAWING		SCA	LE: 1:10 WEIGHT:	SHEET 1 OF	1
	8 7 6 5	4		I	3	I	2	I	1	

	8		7	6		5	4		3	
D	8		7	6		5	4	4	22	
С	ITEM NO.	PART NUMBER	D	ESCRIPTION	QTY.	(9) (8) (7)				
B	1 2 3 4 5 6 7 8 9 10	600-00609-01ASSY Steering_Assy 603-00517-01 813-00006-01 702-00032-00 702-00031-00 702-00003-00 702-00003-00 702-00002-00 Dash_screw-lock-flat- 500	Das Supercars Keypad- Large Gr S Large Orang blue view white view	button -small oval	1 1 1 1 1 1 1 1 1 1 6	6 (14) (13)	12	11		5
A	11 12 13 14 15 16 17 18	Midway- HappSteeringWheel Dash_screw-lock-1000 603-00521-01 Torx832-500 606-00553-01 604-00013-01-2 606-00553-01-R5 BoostAssy	SC32 Shifte Happ	ering Wheel Cap er Plate Decal (5 Mil) -4 Speed Shifter er Plate Decal (5 Mil)	1 3 1 6 1 1 1 1				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	D: DRAWN CHECKED ENG APPR. MFG APPR. Q.A.
	19 20 21 22 8	SpeedoAssy 600-00649-01 Bulb and Holder 2-1-14-00-00-000		- Keypad Edge glow School Keypad 6	1 1 2 1	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <insert company="" here="" name="">. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <insert company="" here="" name=""> IS PROHIBITED.</insert></insert>	NEXT ASSY APPLIC	USED ON CATION	INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL FINISH DO NOT SCALE DRAWING 3	COMMENTS:



Appendix A: Hard Drive Recovery

NOTICE: Fast and the Furious is shipped with a recovery compact disk. Hard drives have been known to occasionally fail for many reasons. Follow the procedure below to restore data on the hard drive if a disk failure should occur. Use extreme care when performing the following procedure and avoid rough handling of pc or CD. Please check the Troubleshooting Guide section of this document. Have the recovery CD ready before you begin.

following are some symptoms which may indicate a possible bad hard drive:

- Hard Drive Test reports "bad" or "missing" files. Please refer to Trouble Shooting section of the manual.
- The game fails to finish loading.
- A boot error is reported after game is power cycled or reset.
- The game is looking for a boot CD to be inserted.
- Erratic game or attract mode.

Note: It is important that the USB cable from pc and power is connected to the I/O board before you proceed.

Hard Drive Recovery Procedure:

- 1. Open the control panel to access the pc.
- 2. Press the button on the CD drive to open CD tray.
- 3. Carefully insert the recovery disk into the tray.
- 4. Press the button on the CD drive to close the CD tray.
- 5. Turn OFF the pc by pressing the power button once.
- 6. Turn ON the pc by pressing the power button once.
- 7. Disk recovery process will begin automatically.
- 8. A message at the top of the screen will prompt you to remove the disk when process is over. Press the CD drive button to open tray. Remove the recovery disk and store safely.
- 9. Turn OFF the pc by pressing the power button once.
- 10. Turn ON the pc by pressing the power button once.

Note: Do not interrupt power or reset the game during the following process!

- 11. The game will begin to initialize and load. It will typically take about five minutes to complete.
- 12. The hard drive recovery process is complete when the game enters attract mode.
- 13. Proceed with control calibration and make necessary game adjustments. Please refer to Setup and Test section of this manual.

-- End of Procedure--

The

<u>AppendixB: Power Management Setting(BIOS)</u>

NOTE: Fast and Furious is shipped with the correct BIOS settings. Any changes made to the BIOS other than what is described below may adversely affect game functionality.

This BIOS setting allows the PC to automatically power up when AC power is detected. This eliminates the need to manually turn the PC ON after a power disruption.

Procedure:

- 1. Turn game OFF.
- 2. Connect a PS/2 or USB keyboard to the PC.
- 3. Hold the <u>DELETE</u> key while turning the PC ON.
- 4. On the **BIOS** menu screen, use the <u>DOWN</u> arrow to scroll down to **Power Management Setup**. Hit <u>ENTER</u> key once.
- 5. On the *Power Management Setup* menu, use the <u>DOWN</u> arrow to scroll down to *After AC Power Lost*.
- 6. Use the (+) button to change *After Power Lost* setting to: [*Power ON*].
- 7. Press ESC key to go back to main menu and select save and exit option..
- 8. Hit Enter to Save and Exit.
- 9. PC will reset and begin to load game.

Other BIOS settings to consider when replacing a PC:

1: Halt on Error = NO ERROR 2: BOOT Sequence = 1st: CD/DVD, 2nd HDD

<u>Please note that due to the PC power supply's safety feature which protects against damage due to power disruptions, it may be necessary to remove AC power from the game for a period of 5-10 seconds before the power supply becomes operational again.</u>

Copyright and License Notice:

The Fast and the Furious is a trademark and copyright of Universal Studios licensed by Universal Studios Licensing L.L.L.P. All rights reserved.

Parental Advisory

A note to parents: The Fast and the Furious is rated PG-13. Consult <u>www.filmratings.com</u> for further information.

Steering wheel force feedback technology is licensed from Atari Games Corporation, United States Patent #5,044,956.

Dodge and HEMI are trademarks of Daimler Chrysler Corporation. Dodge Viper SRT10, Dodge Challenger Concept and their trade dress are used under license by Raw Thrills, Inc. Daimler Chrysler Corporation 2007

Nissan: 350Z, and Skyline GTR and associated symbols emblems and designs are trademarks of Nissan Motor Co. Ltd. Used under license to Raw Thrills, Inc.

General Motors trademarks used under license to Raw Thrills, Inc.

Saleen, S7 and all vehicle model names and designs are registered trademarks of Saleen, Inc... Used under license to Raw Thrills, Inc.

Ford Oval and nameplates are registered trademarks owned and licensed by Ford Motor Company.



The Fast and the Furious Super Cars• Copyright 2010 • Raw Thrills Inc • All rights reserved.



Uses Bink Video. Copyright (C) 1997-2010 by RAD Game Tools, Inc.



Uses Granny Animation. Copyright (C) 1999-2010 by RAD Game Tools, Inc.