







OPERATOR'S MANUAL

040-00032-01

You can get this game at www.magic-play.eu



OPERATION

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

TRANSPORTING

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

HANDLING COMPONENTS

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

DISCONNECT POWER

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

GROUNDING

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

ELECTRICAL SHOCKS

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

MONITOR

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

POWER SELECTOR

Before installing game, ensure the voltage on the PC is set properly. There is a 115/230 VAC selector switch that must be set for the correct voltage for your site. Verify the fluorescent lamp rating. The rating must match the line voltage at the installation site.

POWER CORD

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

SURGE SUPRESSOR

It is recommended that you plug your game's power cord into a surge suppressor to help protect from power surges that may damage sensitive electronic components.

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Service Manual

CONNECTORS

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

COMPUTER

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

Do not turn the PC power switch on or off. It should remain permanently in the ON position.

Cycle AC power on or off with the cabinet power switch.

A dongle has been inserted into one of the USB ports. This is required for game play.

Do not remove the dongle except for troubleshooting purposes.

FLUORESCENT LAMP

A dropped fluorescent lamp tube may break and implode. Shattered glass from the implosion can travel long distances and cause bodily injury. Use proper procedures when handling broken materials, as these items can contain hazardous material such as mercury or lead.

HAZARD TO EPILEPTICS

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

MANUAL

Keep this manual available and ready for use. If the game fails to function properly, turn off the machine and unplug the AC line cord. Contact your local distributor. Your warranty, when applicable, lasts 60 days from your purchase date. You may not reproduce this document or any of its contents without written authorization from Raw Thrills, Inc. .

SPECIFICATIONS

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

Product Specifications

Electrical Power

United States, International and Japan

Inrush AC Current: 7 Amps
Operating AC Current: 5 Amps

Voltage: 115 VAC

Temperature

50° F to 104° F

(10° C to 40° C)

Humidity

Must not exceed 95% relative humidity

Dimensions

Height: 81" (2.06 meters)

Width: 39" (.99 meters)

Depth: 55" (1.39 meters)

Carton Weight

405 lbs. (184 kg)

Setup

Unpack Materials

- 1. Place the shipping crates on a flat, stable surface.
- 2. Cut the banding straps and remove the cardboard lids.
- 3. Lift off the large cardboard containers surrounding the front pedestal and monitor assemblies and remove any shipping cleats.
- 4. Remove the coin door key from the coin return slot.
- 5. Open the top coin door.
- 6. Locate the keys for the back door and the cash box door.
- 7. Open the cash box door and remove the cash box.
- 8. Check for shipping damage to the following:
 - SnoCross player accessible areas such as the sled, control panel and dash.
 - Marquee and monitor
 - Cabinet decals
- 9. Check the AC line cord for visible signs of damage.

Pay particular attention to the plug and line cord insulation.

Check Electrical Settings

- 1. Verify the voltage in the nearest AC outlet.
- 2. Verify the AC outlet ground connection is present and working.
- 3. Open the back door of the monitor assembly.
- 4. Near the AC power transformer, verify the voltage selector switch is set to correct AC voltage.
- 5. Route the line cord so that the plug is near the AC outlet.
- 6. Replace the back door of the monitor assembly.

Game Power Up

- 1. Plug in line cord to AC outlet.
- 2. Turn the power switch to ON.
- 3. Check that no component is excessively hot or emitting foul odors.

If not, turn off AC power and disconnect line cord. Refer to the diagnostic section of this manual.

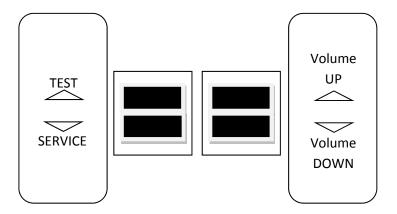
4. Once software loads, you will be asked to calibrate the controls.

If not, enter the service menu by pressing the TEST button located on the bracket inside the top coin door.

Diagnostics and Adjustments

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

But it is easiest to navigate with a Start, View & Snoball button



Service Panel TEST

enters diagnostic system.

 Either Service Panel TEST button or Start button

selects the highlighted option.

 Service Panel VOL DOWN button or SnoBall button

moves down through menu or setting choices.

 Service Panel VOL UP button or pressing View

moves up through menu or setting choices.

• Highlight and select Exit to return to previous screen.

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

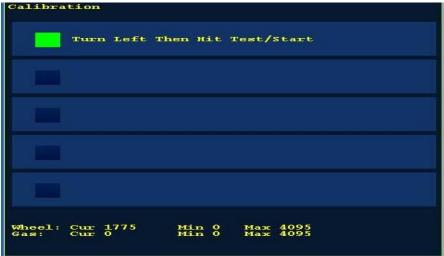
At the bottom of each screen there is a brief description of the menu option's function. A complete description is available here for all menu functions.

Instructions for completing your first calibration start on the next page.

INITIAL GAME SETUP

GAME CONTROLS CALIBRATION

- 1. If the calibration screen is not visible, press the TEST button to enter the Diagnostic System.
- 2. From the Main Menu, use Volume +/- to highlight Calibration.
- 3. Press a Start button to enter calibration.



- 4. Follow on-screen instructions. Re-try if calibration data is not valid.
- 5. Game will proceed to Location and Venue Name entry.
- 6. Enter information to be displayed when player scans the QR Code.
- 7. Game will enter Attract Mode. All game settings will be default values if no changes are made at this time.

GAME CONTROLS AND INTERFACE INSPECTION

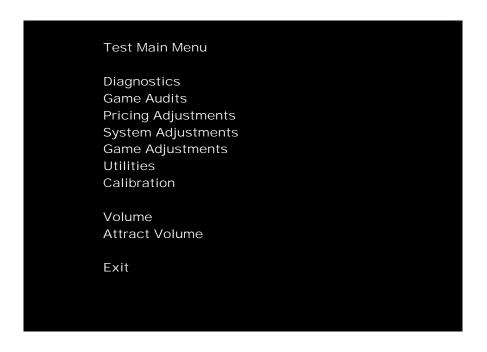
Other Tests

See the Diagnostic Section for further information.

- 1. Enter the Switch Test menu and verify all switches function.
- 2. Enter the Screen Test menu and verify that video is acceptable.
- 3. Enter the Sound Test menu and verify the audio works and is not distorted.
- 4. Enter the Coin Meter Test menu and verify the operation of the coin meter.
- 5. Enter the Cabinet Lamps Test menu and verify that all cabinet lights work correctly.
- 6. Enter the Watchdog Test menu, which reboots the game.
- 7. Upon a successful reboot, you are ready to make adjustments to pricing, volume and other functions found in the Adjustments, Audits and Diagnostics section.

Adjustments, Audits and Diagnostics

Main Menu



Menu Option	Description
Diagnostics	Verify all game functionality. Allows activation of all inputs and outputs, including linking and watchdog test.
Game Audits	View game earnings and gameplay statistics.
Pricing Adjustments	Setting for coinage unit, denomination and game pricing.
System Adjustments	System related changes such as networking, language, attract volume, Wheel power, blower and shaker force etc.
Game Adjustments	Game specific adjustments such as difficulty, bonus time, game entry.
Utilities	Clear Credits, Audits and reset player/game statistics. Check system software errors and download data to USB external storage device.

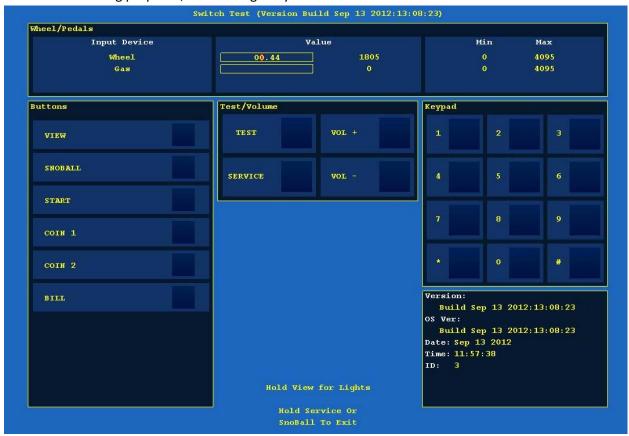
Calibration	Calibrate controls for maximum player control and game experience.	
Volume	Set volume during game only. Attract volume is adjusted independently.	
Attract Volume	Set attract/ standby mode volume only.	

Main Menu

Diagnostics

Switch Test

For troubleshooting purposes, this menu gives you visual feedback of all switch functions.



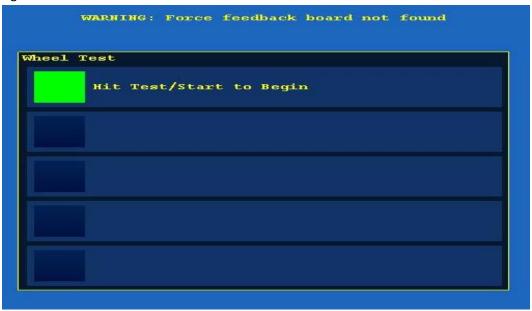
Ma	Main Menu			
	Dia	agnostics		
		Sound Test		

For troubleshooting purposes, this menu gives game sound feedback.

Menu Option	Description
Change Music	Change current music.
Change Effect	Change sound current sound effect.
Play 100Hz or 1kHz	Play low and high frequency to stimulate bass or full range speaker response.
Pan Center, Left, Right	Isolate sound into separate channel to verify correct speaker function.

Ma	ain N	Menu
	Dia	agnostics
•		Wheel Test

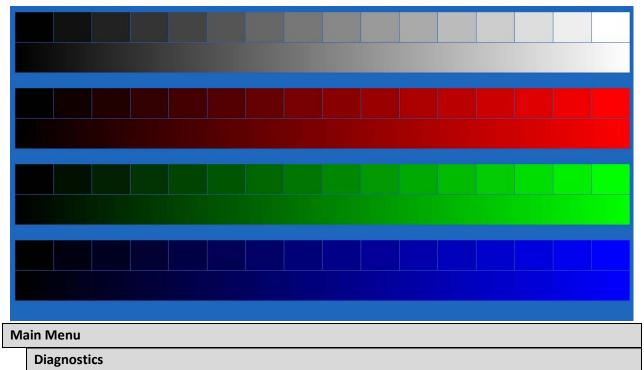
For troubleshooting purposes, this menu allows the wheel force feedback to be activated in left and right direction.



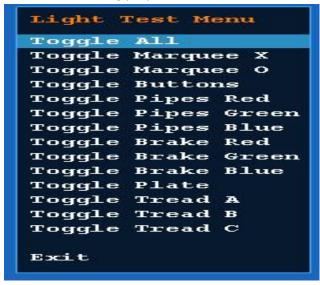
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Ma	Main Menu			
	Dia	agnostics		
		Monitor Test		

For troubleshooting purposes, this menu allows the diagnosis of the display to detect color or linearity issues.



For troubleshooting purposes, this menu allows the diagnosis of the game's controlled lighting features.



Light Test

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Main Menu Diagnostics Coin Meter Test

For troubleshooting purposes, this menu allows the activation of coin meter. Press Start or Test to advance coin meter.

Main Menu Diagnostics Watchdog Test

This menu allows the activation of the watchdog/reset system. Press Start or Test to start test. The game's watchdog system allows the machine to recover automatically from a crash or a failure to boot. The watchdog system is always active.

Main Menu Diagnostics Link System Test

This allows the operator to view and reset the link status of two or more games connected to a single network. Linking three or more games requires a network hub and must be purchased separately.



Main Menu Diagnostics Blower Test

Test the blower function at different speeds. This can also be used to determine desired blower instensity.

Ma	ain N	Menu
	Dia	agnostics
•		Shaker Test

Test the seat shaker function at different levels. This can also be used to determine desired shaker intensity for maximum player experience.

Ma	ain N	Menu
	Ga	me Audits
		General Audits 1

View general game statistics.

```
General Audits
Time Since Boot
                                2:00.55
Time Game On
Time Game Played
                           541:09:2.50
                         122:11:23.53
Time Per Game
Games Played
                                   3288
Games Started
                                   2442
Games Continued
Games Timed Out
                                      32
Free Games
                                             12.96%
Pin Games
                                              0.21%
Link Games
                                              0.21%
Boot Ups
Test Mode Entries
                                     471
                                      87
0
0
0
Maintenance Reboots
Watchdog Resets
No I/O Board Init
Unfinished Games
I/O Lost
I/O Recovered
                                       000000
.
Dongle Lost
Dongle Recovered
Prefs Repaired
Prefs Damaged
```

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Main Menu Game Audits General Audits 2

General Audits First Person Time 1:40.52 94:10:39.00 Dynamic Cam Time Total Coindrops 13011 Slot 0 Left 13011 Slot 1 Right o o Slot 2 DBV o Bonus Credits Current Credits o o Current Coins

Ma	in N	Menu
	Ga	me Audits
•		Courses



Main Menu Game Audits Courses Wins

Audits Menu	Track	Wins	Percent
General 1	MOSCOW	26	7.76%
General 2	ALASKA	23	5.94%
Courses	ANTARCTICA	72	16.90%
Course Wins	COLORADO	117	22.94%
Placings	WASHINGTON D.C.	82	13.90%
Vehicles	FRANCE	107	24.65%
Upgrades	CHINA	0	0.00%
Music			
Stunts			
Exit			
randa da k			

Ma	Main Menu				
	Ga	me Audits			
-		Placing			

udits Menu	Place	Count	Percent
eneral 1	1st Place	427	13.77%
eneral 2	2nd Place	1137	36.65%
ourses	3rd Place	1080	34.82%
ourse Wins	4th Place	389	12.54%
lacings	5th Place	8	0.26%
ehicles	6th Place	2	0.069
pgrades	7th Place	6	0.198
######################################	8th Place	15	0.489
usic	9th Place	2	0.069
tunts	10th Place	3	0.10
	11th Place	3	0.10
xit	12th Place	30	0.979
	Average Place	2.63	
	Max Win Streak	2	
	Max Lose Streak	4	
	Cur Win Streak	0	
	Cur Lose Streak	0	

Main Menu Game Audits Vehicles

Audits Menu	Vehicle	Count	Percent
General 1	Snowmobile1	562	18.02%
General 2	Snowmobile2	336	10.77%
Courses	Snowmobile3	638	20.46%
Course Wins	Snowmobile4	547	17.54%
Placings	Snowmobile5	408	13.08%
Vehicles	Snowmobile6	628	20.13%
Upgrades			
Music			
Stunts			
Exit			

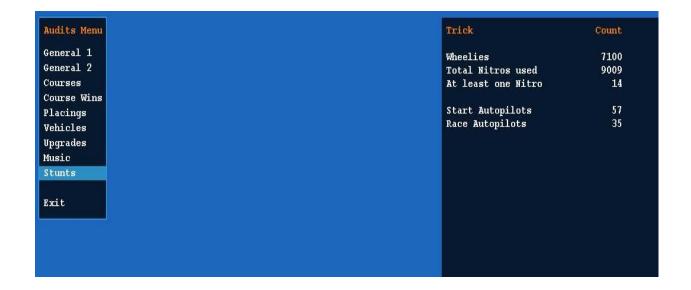
Ma	ain N	Menu Menu
	Ga	me Audits
•		Upgrades

Audits Menu	Upgrade	Count	Percent
General 1	Decal	652	
General 2	Handling	622	
Courses	Neon	538	
Course Wins	Bodykit	685	
Placings	Engine	623	
Vehicles	W 42 - A		
Jpgrades	Upgrade Users	6	
fusic	Upgrade Buy-Ins	0	
Stunts	Upgrade Credits	6	
stunts			1206 1200
2300 C	1 visit:	4	66.67%
Exit	2 - 4 visits:	2	33.33%
	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%

Main Menu							
	Ga	me Audits					
		Music					

	Antarctica Moscow	13:12:21.75
General 2	Moscow	
Courses		10:11:36.90
O COLLEGE CONTRACTOR C	DC	17:37:24.17
Course Wins	Colorado	14:08:24.79
Placings	France	13:27:6.95
Vehicles	China	13:47:44.64
Upgrades	Alaska	11:47:50.87
Music		
Stunts		
Exit		

Main Menu							
	Ga	me Audits					
•		Stunts					



Main Menu

Pricing Adjustments

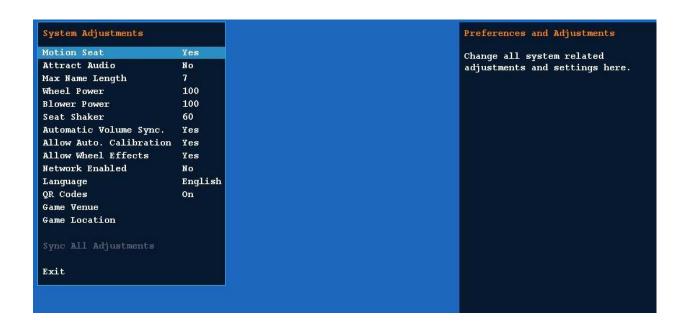


Settings, Defaults and Choices

Setting	Default	Choices
Freeplay	No	Yes/No
Money Unit	USD	Card Swipes, USD, AUD, CAD, EUR, GBP,DEM,FRF,JPY,NLG,ITL,CHF,DKK,MXN,RUR,KRW,CNY
Coin Value	0.25	0.01, 0.05, 0.10, 0.25, 0.50, 1.00, 2.00, 5.00, 10.00, 20.00, 50.00, 100.00, 500.00, 1000.00, 10000.00
Coins per Bill Pulse	1	1, 2, 3, 4, 5, 10, 20, 25, 50, 100
Coins Per Credit	4	1-10
Credits To Start	1	1-10
Credits To Continue	1	1-10
Bonus Credits	0	Options: 0-10
Credits For Bonus	5	1-20
Max Credits	30	10, 15, 20, 25, 30, 35, 40, 45, 50
First Place Free Race	Yes	Yes/No
Multiplay Win Free Race	No	Yes/No

Main Menu

System Adjustments



Settings, Defaults and Choices

Setting	Default	Choices
Motion Seat	Yes	Yes, No
Checkpoint Time Bonus	No	Yes, No
Max Name Length	7	3, 4, 5, 6, 7
Wheel Power	100	0-100
Blower Power	100	0-100
Seat Shaker	60	0-100
Automatic Volume Sync	Yes	Yes, No
Allow Auto Calibration	Yes	Yes, No
Allow Wheel Effects	Yes	Yes, No
Network Enabled	No	Yes, No
Language	English	English, Russian, Chinese, Japanese
QR Codes	On	On, Off
Game Venue	None	Enter Venue Name to be displayed.
Game Location	None	Enter Location Name to be displayed.

Main Menu Game Adjustments



Settings, Defaults and Choices

Setting	Default	Choices
Start Time Bonus	80	30-120
Checkpoint Time Bonus	30	10-100
Game Difficulty	5	1-10
Speed Measurements	MPH	MPH, KPH
Plays For Score Reset	10000	1000-20000
Autopilot Available	Yes	Yes, No
Girls(Racer/ Crowds)	Yes	Yes, No
Name Entry	On	On, Off

Main Menu
Utilities

CRC Check

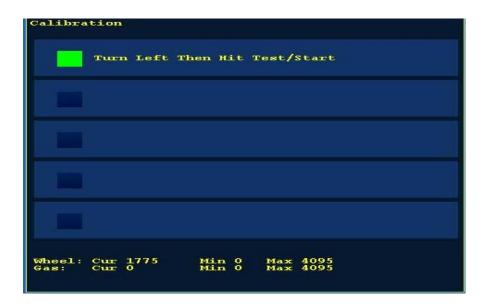
Clear Credits
Clear Audits
Reset High Scores
Reset Player Stats
Default Adjustments
Reset Link System Config.
Factory Restore

Sync All Adjustments

View Errors
View Messages
Copy Audits and Log to USB
Copy High Scores to USB

Main Menu

Calibration



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Main	Menu

Game Volume

Adjust game volume during play mode only. Attract volume is adjusted separately. Automatic Volume Synch allows for all linked units to be adjusted simultaneously.

Main Menu

Attract Volume

Adjust attract or standby volume only.

Maintenance

Hard Drive Recovery

Symptoms requiring hard drive recovery include

- File Test reports bad or missing files.
- Game fails to finish loading during startup.
- After resetting the AC power, an error is reported.
- You are prompted to insert a boot DVD.
- Erratic Game or Attract Mode.
- Garbled characters
- Bad audit files

To identify corrupt files, press Test, choose System Test Menu and run the CRC Check.

The only way to repair corrupt files is to recover the hard drive, as detailed below.

COMPUTER

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

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

- 1. With game and PC on, verify that the RIO board has power. If not, see Troubleshooting.
- 2. Open the Coin door.
- 3. Open the PC DVD-ROM tray by reaching back to the PC and pressing the Open/Close button on the drive bay.
- 4. Insert the first of two restore DVDs (labeled Disc 1) into the tray.
- 5. Close the tray by pressing the Open/Close button again.
- 6. Turn cabinet power switch to OFF. Wait 30 seconds.
- 7. Turn cabinet power switch to ON.
- 8. Recovery begins automatically when PC boots up.
- 9. If recovery does not begin, check to ensure disc is inserted correctly and is not damaged.
- 10. Initial software loading may take several minutes. Check progress periodically. Do not interrupt power or reset the game during recovery.
- 11. When software has been loaded, a message indicates that restore is complete. When instructed to remove disc, open DVD-ROM drive tray and remove disc.
- 12. Turn cabinet power switch off.
- 13. After 30 seconds, turn cabinet power switch on.
- 14. Game will reboot and enter calibration mode.
- 15. Re-calibrate controls.

BIOS Settings/Power Management

NOTICE

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

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

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

- 1. Turn cabinet power switch off.
- 2. Open rear of cabinet.
- 3. Connect a USB keyboard to the PC.
- 4. While holding the F10 key on the keyboard down, turn cabinet power switch on.
- 5. When the BIOS menu screen appears, make the following adjustments.

(SETTINGS BELOW ARE SPECIFIC TO HP6005 PC. PLEASE CHECK RAWTHRILLS.COM FOR LATEST INFORMATION ON BIOS SETTINGS AND OTHER TECHNICAL UPDATES)

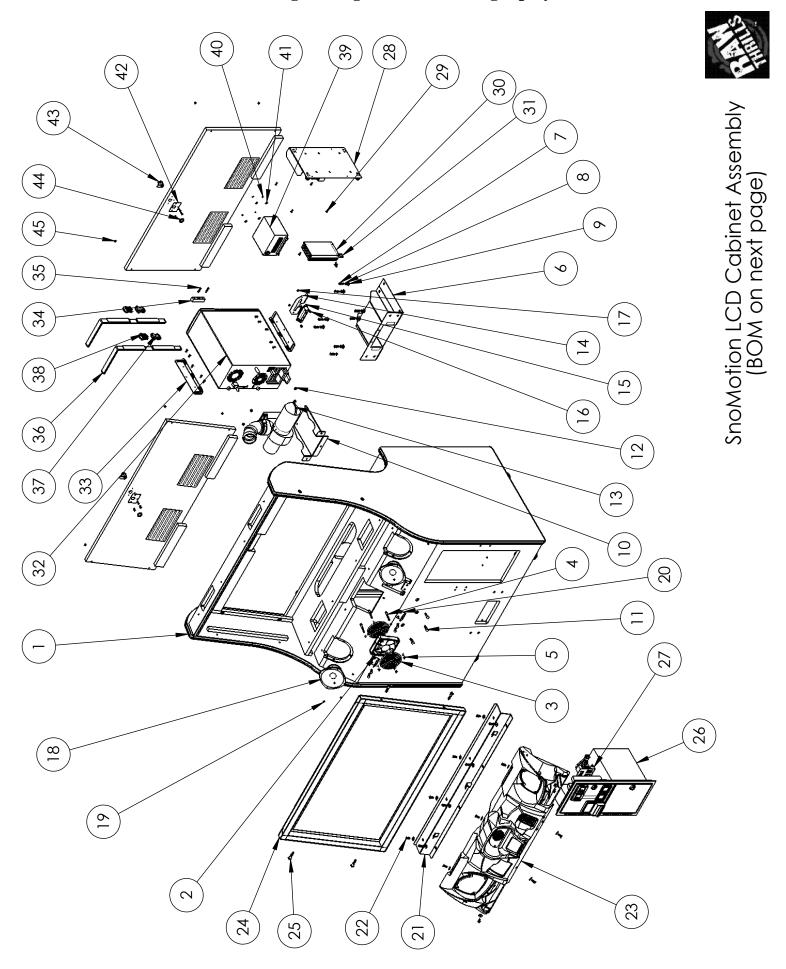
STORAGE => Storage Options => SATA Emulation : "Native Mode IDE"

ADVANCED => Power On Options => After Power Loss: "On"

- 6. Follow instructions on screen to save and exit.
- 7. PC will reset and load the game.

MECHANICAL ILLUSTRATIONS AND ELECTRICAL SYSTEM DIAGRAM

				_							ww.magic-play.cu
QTY.	1	1	_	1	∞	8	∞	2	2	2	g K
DESCRIPTION	SnoMotion LCD Cabinet Assembly	SnoBike T-Base Assembly	SnoMotion Snowmobile Assembly	SX 42" Marquee Assembly	Alloy STL Pin-in-Torx Button Socket Cap Screw 1/4"-20 Thread, 1" Length, Black	Split Lock Washer, 1/4" Screw	Flat Washer, 1/4" Screw, Black	Alloy STL Pin-in-Torx Button Socket Cap Screw 10-32 Thread, 1" Length, Black	Split Lock Washer, #10 Screw	Flat Washer, #10 Screw, Black	Shown: 600-00982-01 - Rubber Swivel Guard TP Torx Button Head Machine Screws (10-32 x 1.25"), Black Flat Washers, #10 Screw, Black
PART NUMBER	\sim	SnoBike T-Base Assembly	SnoMotión Snowmobile Assembly	SX42 Marquee Assembly	96075A223 (McMaster-Carr)	LW (.25 in)	FW (.25 in)	96075A195 (McMaster-Carr)	LW (.190 in)	FW (.190 in)	wn: -00982-01 - Rubber orx Button Head Mc Washers, #10 Screv
ITEM NO.	_	2	n	4	2	9		∞	6	10	Not Shown: (1) 600-009 (10) TP Torx (10) Flat Wo
	\bigcirc										
	6		771						<u>.</u>		
	9	7		4							



You can get this game at www.magic-play.eu

SnoMotion LCD Cabinet Assembly BOM

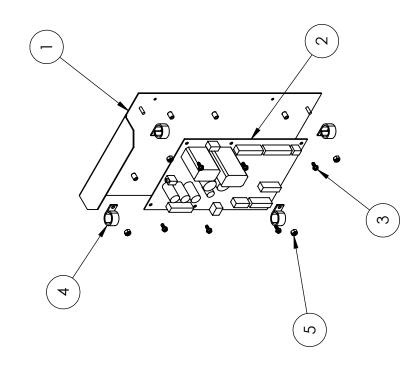
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	601-00590-01	SX Motion - 42" LCD Cabinet	1
2	820-00012-00	Cooling Fan(standard size): 12VDC, 3W, 80CFM	1
3	800-00001-00	120mm Wire Fan Guard	2
4	91772A206 (McMaster-Carr)	18-8 SS Pan Head Phillips Machine Screw 8-32 Thread, 2-1/4" Length	4
5	90631A009 (McMaster-Carr)	Znc-Pltd Grade 2 STL Nylon-Insert Hex Locknut 8-32 Thread Size, 11/32" Width, 15/64" Height	4
6	600-00500-01	SB2 - Inner Tunnel Support Bracket	1
7	92865A542 (McMaster-Carr)	Grade 5 Zinc-Plated Steel Hex Head Cap Screw 1/4"-20 Thread, 1" Long, Fully Threaded	16
8	LW (.25 in)	Split Lock Washer, 1/4" Screw, Black	8
9	FW (.25 in)	Flat Washer, 1/4" Screw, Black	23
10	600-00963-01	Mounting Shelf - Blower Assembly	1
11	93548A544 (McMaster-Carr)	Grade 2 Round Head Square Neck Bolt Zinc-Plated Steel, 1/4"-20 Thread, 1-1/4" Length, Black	3
12	90675A029 (McMaster-Carr)	Znc-Pltd Stl Machine Screw Nut W/Tooth Washer 1/4"-20 Thrd Sz, 7/16" Nut Width, 3/16" Nut Height	7
13	Blower Mounting Assembly	Blower Mounting Assembly	1
14	600-00254-01	Blind Mate Bracket - Female	1
15	213974-1	Blind Mate Housing (Female): 5mm (.197") Centerline, 600 V, 14 A max. (AMP)	1
16	90316A194 (McMaster-Carr)	18-8 SS Hex Washer Head Slotted Machine Screw 8-32 Thread, 1/2" Length	2
17	90675A009 (McMaster-Carr)	Znc-Pltd Stl Machine Screw Nut W/Tooth Washer 8-32 Thread Sz, 11/32" Nut Width, 1/8" Nut Height	2
18	2-1-10-00-00-000	Full Range Speaker: 5.25", 8 Ohm	2
19	90316A197 (McMaster-Carr)	18-8 SS Hex Washer Head Slotted Machine Screw 8-32 Thread, 3/4" Length	6
20	600-00961-01	Mounting Bracket - Bottom Dash	2
21	600-00957-01	Mounting Channel - Dash	1
22	96075A219 (McMaster-Carr)	Alloy STL Pin-in-Torx Button Socket Cap Screw 1/4"-20 Thread, 3/4" Length	11
23	SnoMotion Dash Assembly	SnoMotion Dash Assembly	1
24	SnoMotion LCD Assembly	SnoMotion LCD Assembly	1
25	BB142045UHD (Stafast)	Joint Connector Bolt: 1/4"-20 Thread, 1-3/4" Length, Hex Drive 4 mm, Black	4
26	800-00005-01	Mid-Width Coin Door Vault (Happ)	1
27	810-00053-01	Test Service Button Assembly	1
28	RIO Hardware Assembly	RIO Hardware Assembly	1
29	90054A197 (McMaster-Carr)	Znc-Pltd STL Hex Washer Head Sheet Mtl Screw Slotted, NO. 8 Size, 3/4" Length	25
30	2-1-02-00-00-021	U-San UP-52 Power Supply: 12V/9A	1
31	600-00121-01	Bracket - Power Supply Mounting	1
32	HP6005	(or approved equivalent PC)	1
33	600-00901-01	Bracket - PC Strap Mounting	2
34	601-00580-01	PC Wood Cleat	1
35	91675A333 (McMaster-Carr)	Hex Washer Head Screw for Sheet Metal 410 Stainless Steel, NO. 8 Size, 1-1/4" Length	2
36	87425K76 (McMaster-Carr)	PC Mounting Nylon Strip: 0.075" Thick, 1" Width, Black (56" Length)	2
37	29705T86 (McMaster-Carr) - female	Plastic Buckle for Webbing NO Sew Squeeze-Release for 1" Wide Webbing (Female)	2
38	29705T86 (McMaster-Carr) - male	Plastic Buckle for Webbing NO Sew Squeeze-Release for 1" Wide Webbing (Male)	2
39	2-1-02-00-00-017	APS Power Supply (90-AP-188)	1
40	96075A123 (McMaster-Carr)	Alloy STL Pin-in-Torx Button Socket Cap Screw 6-32 Thread, 1" Length, Black	4
41	FW (.138 in)	Flat Washer, #6 Screw, Black	4
42	600-00043-01	Lock Retainer	2
43	150-0001-00	Standard Door Lock	2
44	Hex Nut for Standard Lock Assembly	Hex Nut for 7/8" L Standard Lock	2
45	96075A203 (McMaster-Carr)	Alloy STL Pin-in-Torx Button Socket Cap Screw 10-32 Thread, 1-1/2" Length, Black	8

٠.	PART NUMBER	DESCRIPTION	QTY.
	600-00719-01	SX - Blower Bracket	-
	604-00022-01	Johnson Blower	-
	90316A194 (McMaster- Carr)	18-8 SS Hex Washer Head Slotted Machine Screw 8-32 Thread, 1/2" Length	4
	603-00591-01	SX - Blow Tube	-
	600-00975-01	Foam Filter Bag	-
	800-00038-01	3 inch hose clamp	2

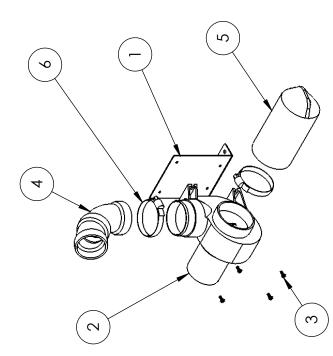
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Blower Mounting Assembly



QTY.	-	-	9	4	4
DESCRIPTION	RIO - Mounting Plate Chassis	RIO PCB	18-8 SS Hex Washer Head Slotted Machine Screw 8-32 Thread, 3/8" Length	Cable Clamp 3/4", Screw Mount	18-8 Stainless Steel Nylon-Insert Hex Locknut 8-32 Thread Size, 11/32" Width, 15/64" Height
PART NUMBER	600-00513-01	500-00040-01	90316A192	7572K16 (McMaster-Carr)	91831A009
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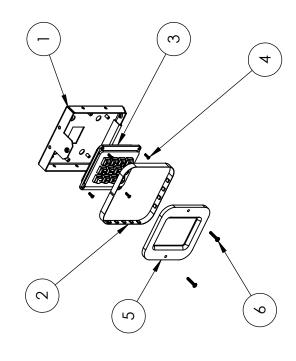


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QTY.	-	1	3	2	10	-	2	4	4	80	-	-
DESCRIPTION	Control Panel Dash Plastic	SnoMotion Keypad Assy	Alloy STL Pin-in-Torx Button Socket Cap Screw 8-32 Thread, 1/2" Length, Black	SX - Dash Speaker Grille (2)	Tamper-Resistant Screw for Sheet Metal Pin- in-Torx, 18-8 SS, Button Head, NO.8 Size, 1/2" L, Black	SX - Hood Scoop Grille	SX - 36CM ROB LED "Great Wall" Rope	LED Clip (Short)	LED Clip	Alloy STL Pin-in-Torx Button Socket Cap Screw 6-32 Thread, 1/2" Length, Black	Control Panel Center Decal	Control Panel Side Decal
PART NUMBER	603-00590-01	SnoMotion Keypad Assy	96075A139 (McMaster-Carr)	600-00912-01	95638A194	600-00717-01	500-00116-01	600-00633-01	600-00570-01	96075A115 (McMaster-Carr)	606-00756-01	606-00757-01
ITEM NO.	_	2	ဧ	4	5	9	7	∞	6	10	=	12



SnoMotion Dash Assembly



ITEM NO. PART NUMBER		DESCRIPTION	QTY.
600-00948-01)]	Keypad Mounting Bracket	_
500-00074-01		SX - 45CM RGB LED Weatherproof Strip Tape	1
2-1-14-00-00-000	000	Keypad (pay phone style)	1
91771A108 (McMaster-Carr)	arr)	18-8 SS Flat Head Phillips Machine Screw 4- 40 Thread, 3/8" Length	4
603-00557-01		SX - Keypad Glow	_
91772A151 (McMaster-Carr)	arr)	18-8 SS Pan Head Phillips Machine Screw 6- 32 Thread, 3/4" Length	2



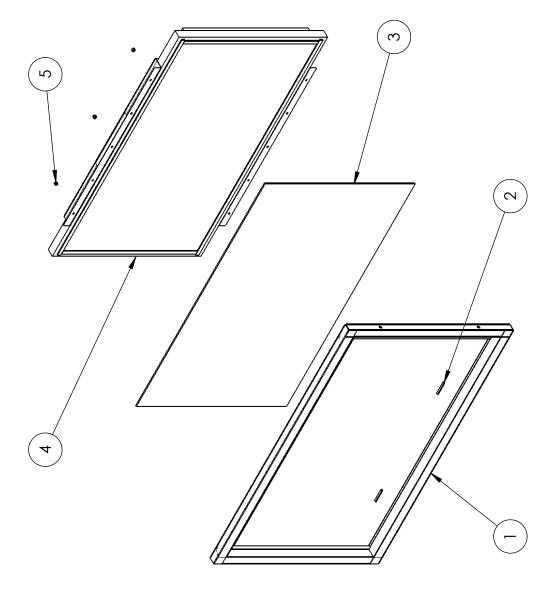
SnoMotion Keypad Assy

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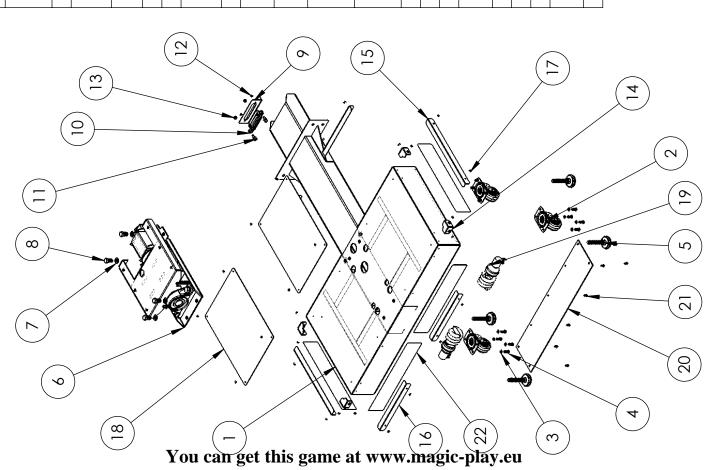
IEM NO.	PART NUMBER	DESCRIPTION	QTY.
_	601-00037-01	42" LCD Frame Assy	_
2	Foam Tape	Black: 1/4"W x 1/8"T x 2"L	2
3	600-00073-01	42" LCD Display Glass (Tempered)	-
4	809-00004-01	42" HD Monitor	-
5	90631A411 (McMaster-Carr)	Znc-Pltd Grade 2 STL Nylon-Insert Hex Locknut 10-32 Thread Size, 3/8" Width, 15/64" Height	9

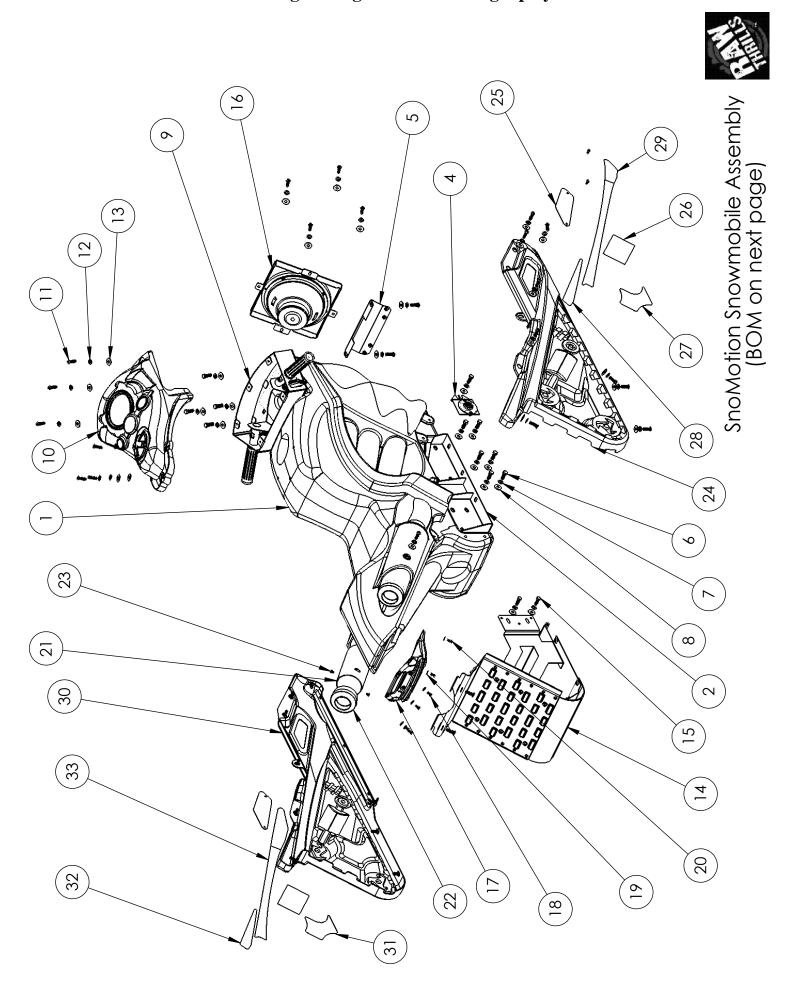




SnoBike T-Base Assembly

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QTY.	_	ю	12	12	4	_	4	4	_	-	2	2	2	4	2	4	28	2	2	1	6	4
DESCRIPTION	SX Motion - T-Base Welded Platform	Faultless Swivel Plate Caster (Series 100) - 2.5" Wheel Diameter, 1 1/8" Tread Width, Plain Bearing	Split Lock Washer, 1/4" Screw	Grade 5 Zinc-Plated Steel Hex Head Cap Screw 1/4"-20 Thread, 3/4" Long, Fully Threaded	Leg Leveler #1/2-13 Thread, 4"Long, Fully Threaded	SX Pivot Assy	Split Lock Washer, 1/2" Screw	Grade 5 Zinc-Plated Steel Hex Head Cap Screw 1/2"-13 Thread, 1" Long, Fully Threaded	Blind Mate Bracket - Male	Blind Mate Housing (Male): 5mm (.197") Centerline, 600 V, 14 A max. (AMP)	Pin & Socket Hardware Kit, High Durability Drawer Connector, M4 Thread (AMP)	Class 6 Znc-Pltd Steel Hex Nut W/Tooth Washer M4 Screw Sz, .7mm Pitch, 7mm Width, 3.2mm Height	Znc-Pltd Stl Machine Screw Nut W/Tooth Washer 1/4"-20 Thrd Sz, 7/16" Nut Width, 3/16" Nut Height	T-Base Corner Guard	SX Motion - T-Base Edge Bracket Long	SX Motion - T-Base Edge Bracket Short	Alloy STL Pin-in-Torx Button Socket Cap Screw 8-32 Thread, 1/2" Length, Black	Tread Plate - Platform	Pedestal Seat Lamp	T-Base Plexi	18-8 SS Hex Washer Head Slotted Machine Screw 8-32 Thread, 1/2" Length	T-Base Caution Decal (small)
PART NUMBER	608-00157-01	Faultless-127-2 12R	LW (.25 in)	92865A540	49-3043-00 (Happ)	50-2664-22 (Happ)	LW (.50)	92865A712	600-00253-01	213973-1	213283-2	93825A120	90675A029 (McMaster-Carr)	603-00019-01	600-01007-01	900-01006-01	96075A139 (McMaster-Carr)	600-00984-01	820-00005-00	600-00020-01	90316A194 (McMaster-Carr)	606-00783-01
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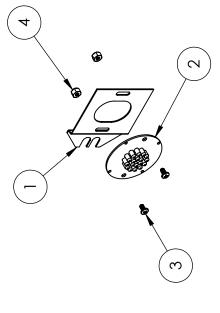


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SnoMotion Snowmobile Assembly BOM

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	
1	603-00602-01	Rotomolded Snowmobile	1	
2	602-00002-00	Bike Mounting Bracket - Right	1	
3	602-00001-00	Bike Mounting Bracket - Left	1	
4	SnoMotion Puck Light Assembly	SnoMotion Puck Light Assembly	2	
5	600-00942-01	Front Vacform Bracket	1	
6	92865A583 (McMaster-Carr)	Grade 5 Zinc-Plated Steel Hex Head Cap Screw 5/16"-18 Thread, 1" Long, Fully Threaded	18	
7	LW (.313 in)	Split Lock Washer, 5/16" Screw	18	
8	FW (.313 in)	Flat Washer, 5/16" Screw	18	
9	96-1301-00	SnoMotion Handlebar Assembly	1	
10	SnoMotion Fairing Assembly	SnoMotion Fairing Assembly	1	
11	96075A223 (McMaster-Carr)	Alloy STL Pin-in-Torx Button Socket Cap Screw 1/4"-20 Thread, 1" Length, Black	32	
12	LW (.25 in)	Split Lock Washer, 1/4" Screw	38	
13	FW (.25 in)	Flat Washer, 1/4" Screw, Black	38	
14	SnoMotion Track Light Assembly	SnoMotion Track Light Assembly	1	
15	92865A542 (McMaster-Carr) Grade 5 Zinc-Plated Steel Hex Head Cap Screw 1/4"-20 Thre Long, Fully Threaded			
16	SnoMotion Radiator Woofer Assembly	SnoMotion Radiator Woofer Assembly	1	
17	SnoMotion Tailglow Assembly	SnoMotion Tailglow Assembly	1	
18	96075A139 (McMaster-Carr)	Alloy STL Pin-in-Torx Button Socket Cap Screw 8-32 Thread, 1/2" Length, Black	4	
19	FW (.164)	Flat Washer, #8 Screw, Black	6	
20	TP-Torx-SMS-8x.50	Tamper-Resistant Screw for Sheet Metal Pin-in-Torx, 18-8 SS, Button Head, NO.8 Size, 1/2" L, Black	6	
21	608-00154-01	SnoMotion Tailpipe	2	
22	Exhaust Tip Assembly	Exhaust Tip Assembly	2	
23	TP-Torx-FH-MS-6-32x.375	18-8 SS Tamper-Resist Flat Head Machine Screw Pin-in-Torx, 6-32 Thread, 3/8" Length, Black	4	
24	603-00587-01	SnoMotion Cover Skirt Plastic - Right	1	
25	600-00941-01	Side Skirt Grille	2	
26	606-00764-01	Shock Decal	2	
27	606-00765-01	Right Mech Decal	1	
28	606-00762-01	Right Accent Decal	1	
29	606-00760-01	Right Frame Decal	1	
30	603-00588-01	SnoMotion Cover Skirt Plastic - Left	1	
31	606-00766-01	Left Mech Decal	1	
32	606-00763-01	Left Accent Decal	1	
33	606-00761-01	Left Frame Decal	1	

TEM NO.	PART NUMBER	DESCRIPTION	QTY.
_	10-85600-009	Radiator - 8" Woofer	-
2	601-00592-01	8" Woofer Panel - Spacer	_
က	96075A139 (McMaster- Carr)	Alloy STL Pin-in-Torx Button Socket Cap Screw 8-32 Thread, 1/2" Length, Black	4
4	2-1-18-00-00-000	8" Woofer, 4 Ohm, Poly-Mica Cone	-
5	90316A196 (McMaster- Carr)	18-8 SS Hex Washer Head Slotted Machine Screw 8-32 Thread, 5/8" Length	4



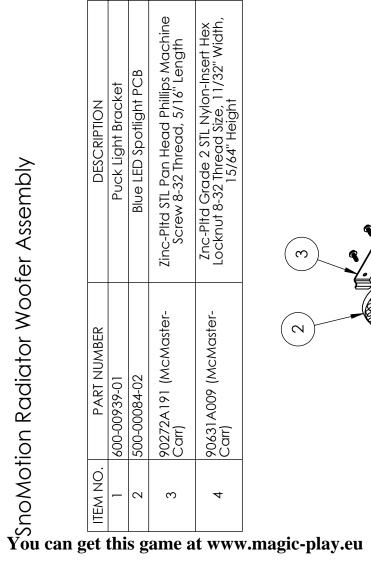
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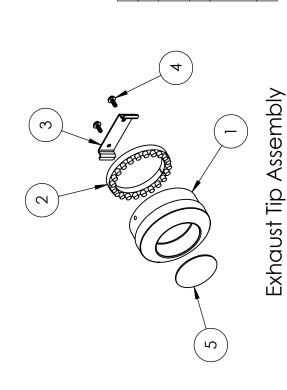
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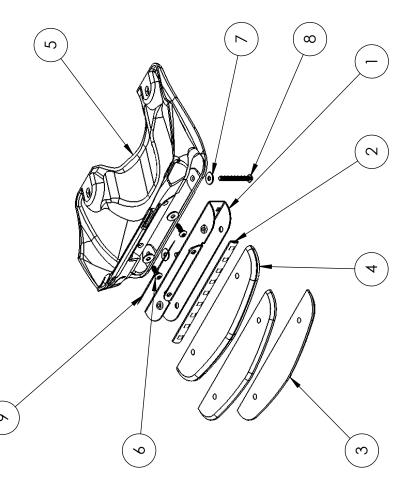




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DESCRIPTION	SnoMotion Track Plate	5-Hole Tread Plastic	4-Hole Tread Plastic	SX - 24CM Blue LED "Great Wall" Rope	Alloy STL Pin-in-Torx Button Socket Cap Screw 8-32 Thread, 1/2" Length, Black	SnoMotion - Tread Light Mount Panel	Alloy STL Pin-in-Torx Button Socket Cap Screw 1/4"-20 Thread, 1.75" Length, Black	Split Lock Washer, 1/4" Screw	Track Frame Weldment	Track Plate Decal	Alloy STL Pin-in-Torx Button Socket Cap Screw 1/4"-20 Thread, 3/4" Length	SnoMotion Track Light Assembly
PART NUMBER	600-00937-01	603-00543-01	603-00544-01	500-00071-01	96075A139 (McMaster- Carr)	601-00595-01	TP-Torx-MS25-20x1.75	LW (.25 in)	600-00936-01	606-00614-01	96075A219 (McMaster- Carr)	
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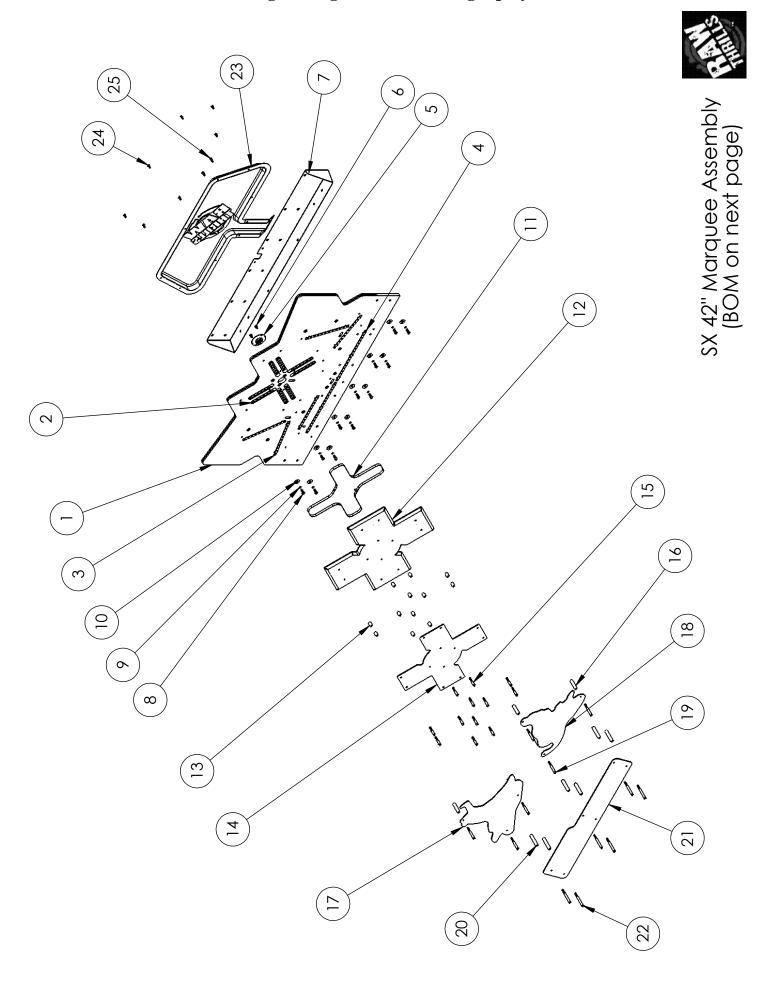
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DESCRIPTION	SnoMotion Fairing	Blue X-Button/Gold sw/6V LED	Small Oval Button/White w "VIEW"/Gold sw/6V LED	Small Oval Button/Red w "SnoBall"/Gold sw/6V LED	Fairing Speedo Decal	Fairing Button Decal	Fairing Right Decal	Fairing Left Decal	SnoMotion Fairing Assembly
PART NUMBER	603-00605-01	702-00036-00	702-00040-00	702-00039-00	606-00758-01	606-00759-01	606-00772-01	606-00771-01	Suc
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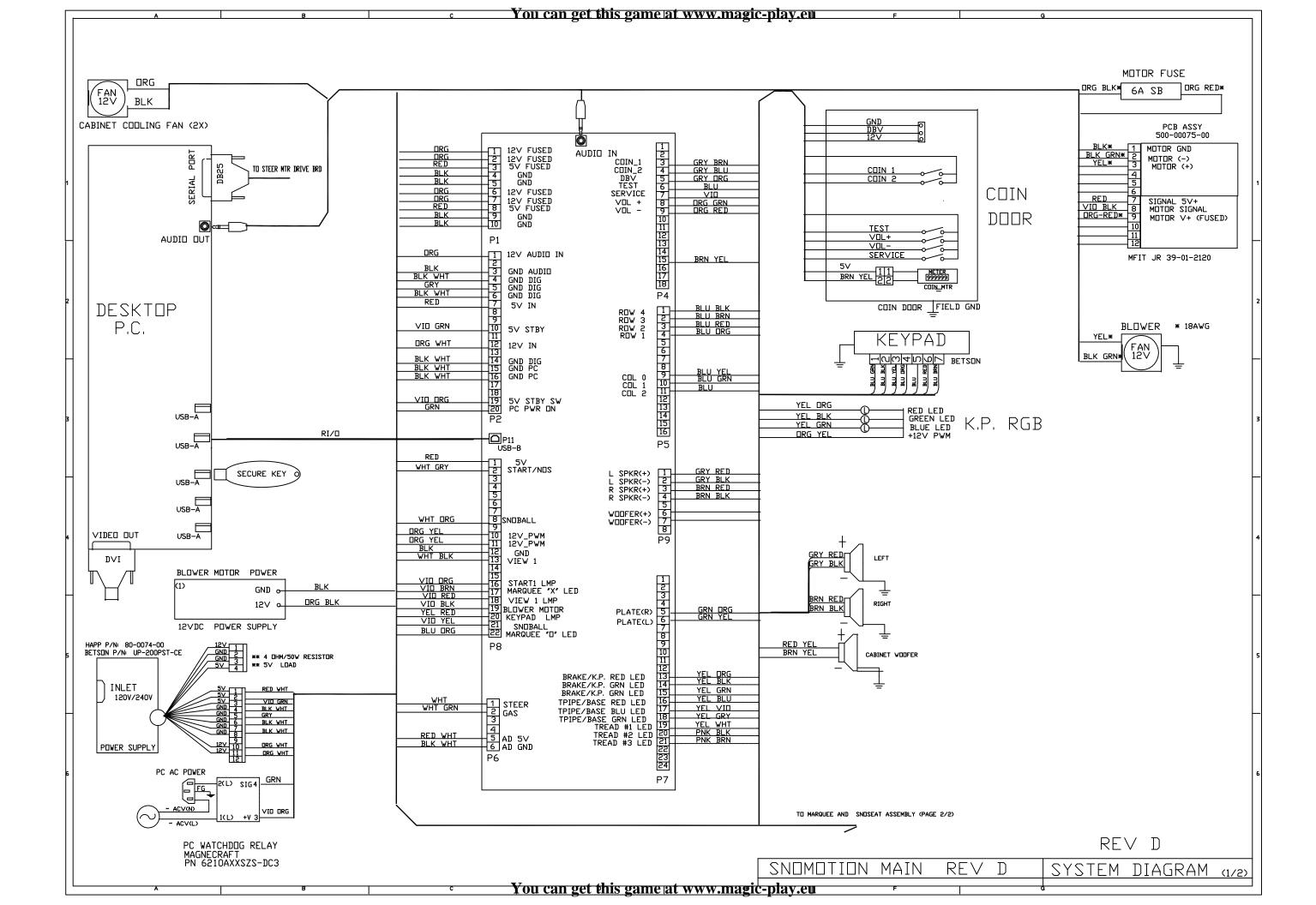
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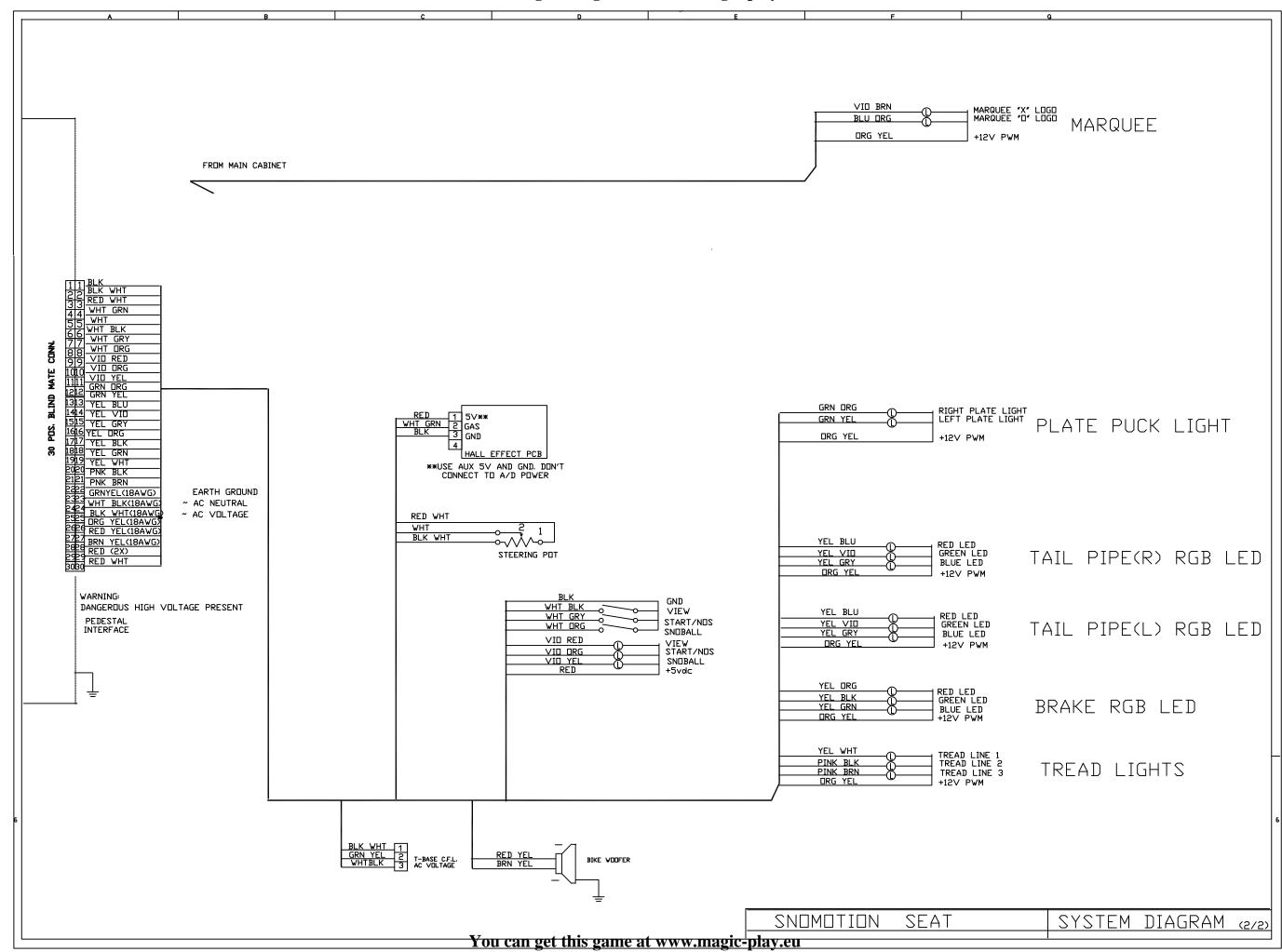


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SX 42" Marquee Assembly BOM

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	601-00601-01	SX - 42" Marquee Back Board	1
2	500-00093-01	10CM White LED Strip Tape	8
3	500-00115-01	20CM White LED Weatherproof Strip Tape	5
4	500-00112-01	30CM White LED Weatherproof Strip Tape	2
5	500-00064-01	White LED PCB - Black Face	1
6	90316A829 (McMaster-Carr)	18-8 SS Hex Washer Head Slotted Machine Screw 10-32 Thread, 1/2" Length	2
7	600-00950-01	SX-42 Marquee Board Bracket	1
8	96075A219 (McMaster-Carr)	Alloy STL Pin-in-Torx Button Socket Cap Screw 1/4"-20 Thread, 3/4" Length	12
9	LW (.25 in)	Split Lock Washer, 1/4" Screw	12
10	FW (.25 in)	Flat Washer, 1/4" Screw, Black	12
11	500-00091-01	130CM Blue LED Strip Tape	1
12	603-00581-01	SX - Marquee Acrylic "X"	1
13	600-00997-01	0.75" SLEEVE	12
14	606-00744-01	SX - Marquee Center PETG	1
15	BH-Socket-MS-10-32x1.75	18-8 SS Button Head Socket Cap Screw 10-32 Thread, 1-3/4" Length, Black	12
16	600-00954-01	2" SLEEVE	6
17	606-00746-01	SX - Snowmobile Left PETG	1
18	606-00747-01	SX - Snowmobile Right PETG	1
19	BH-Socket-MS-10-32x2.50	18-8 SS Button Head Socket Cap Screw 10-32 Thread, 2-1/2" Length, Black	6
20	600-01001-01	2.50" SLEEVE	6
21	606-00745-01	SX - Marquee Snocross PETG	1
22	BH-Socket-MS-10-32x3	18-8 SS Button Head Socket Cap Screw 10-32 Thread, 3" Length, Black	6
23	603-00598-01	SX - Marquee Back Cover	1
24	96075A187 (McMaster-Carr)	Alloy STL Pin-in-Torx Button Socket Cap Screw 10-32 Thread, 1/2" Length, Black	7
25	96075A191 (McMaster-Carr)	Alloy STL Pin-in-Torx Button Socket Cap Screw 10-32 Thread, 3/4" Length, Black	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

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