Mad Wave Motion Theater



USER MANUAL

Version 2.0–April 2006



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Dear valued customer,
Congratulations and thank you for purchasing a <i>Mad Wave Motion Theater</i> from TRIOTECH AMUSEMENT. We are certain you will not be disappointed with your purchasing decision. Your 2-seat motion theater is coin-operated and does not require any attendance. It features a 5.1 Digital sound system, a bright 1500 LUMENS projector for the 55" screen and a dual-actuator motion platform, which features the most realistic simulation available in coin-op. The built-in LED display and marquee header are sure to attract a crowd.
You can also offer your players a selection of 10 Motion Rides by purchasing additional ride films. Contact your distributor today for more information on these rides!
Sincerely, TRIOTECH

ATTENTION ALL GUESTS READ IMPORTANT SAFETY INFORMATION AND FOLLOW INSTRUCTIONS OF ATTENDANTS

RIDE DESCRIPTION: MODERATE

A movie ride with intense back and forth and side to side movement of the seats.

MOTION THEATER

Do not ride if you have any of the following coditions:













For your safety, you should be in good health to ride.
Only you know your physical conditions or limitations.
If you suspect your health could be at risk for any reason, or you could aggravate a pre-existing condition of any kind, DO NOT RIDE!

RIDE RULES

- Secure all loose articles (glasses, cameras, cell phones, hats, wallets, keys, etc.) or leave them with a non-rider
- Cameras and video equipment are not permitted on the ride
- Smoking is not permitted on the ride
- Chewing gum, candy, food and drinks are not permitted on the ride

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Installation 1 _ 1

Mad Wave Motion Theater Installation



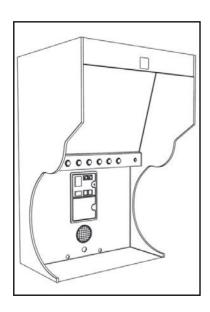
CAUTION

Mad Wave Motion Theater requires a dedicated 15 amp circuit or the machine may experience sporadic technical difficulties. Your Mad Wave Motion Theater should not be plugged in with other deluxe or motion based cabinets.

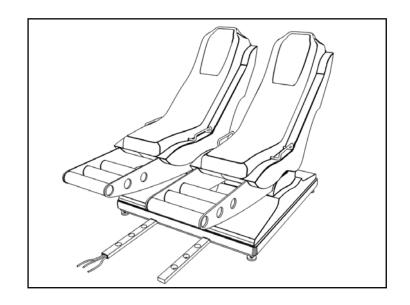
Determine Optimum Location

The game location must be free of exposure to direct sunlight, high humidity, dust, salt mist, high heat, or extreme cold. If installed in an unusually hot location, allow additional clearance between ventilation slots in the game and any structure or object that would tend to restrict air circulation.

Madwave Motion Theater Ships in two (2) crates



CRATE 1 INCLUDES MAIN CABI-NET AND MARQUEE HEADER



<u>CRATE 2</u> MOTION SEAT MODULE

Assembling main cabinet

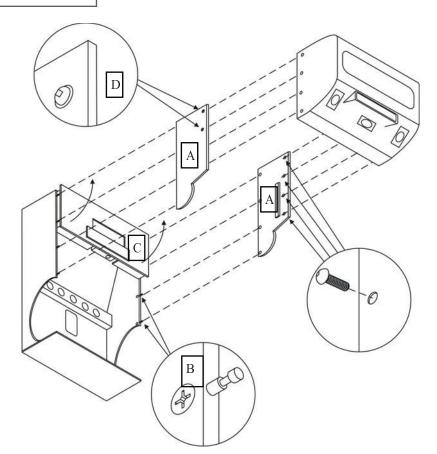
Installation

1-2



You will need the following hardware: 8 bolts (1/4"-20 X 1/2") and washers 4 bolts (1/4"-20 X 1 1/4") 3 persons will be needed for this operation

- 1. Insert one of the two side panels (A) on side of cabinet.
- 2. Rotate insert (B) clockwise with Philips screwdriver.
- 3. Repeat step 1 with remaining panel.
- 4. Unfold the projector panel (C) until it sits on top of the two plastic supports (you may have to slightly open the two side panels to let the projector support fit between the two panels until it reaches its upright position)
- 5. Install 2 bolts (1/4"-20 X1 1/4") and washers on each side of the cabinet (D) to hold the projector panel in the upright position.

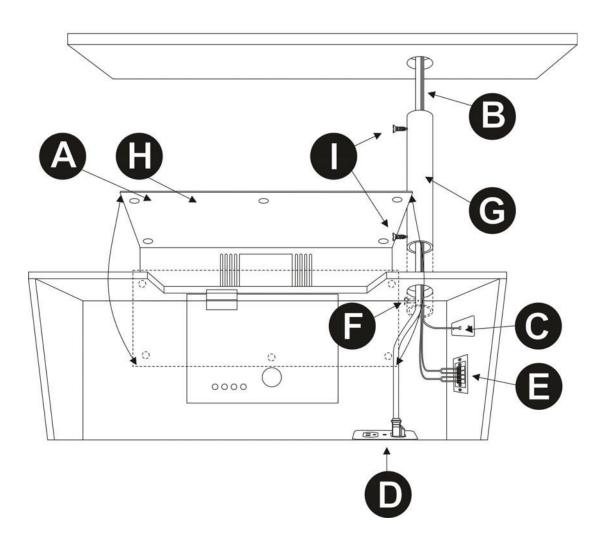


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Installation

Header Wiring

- Remove projector cover plate
- В. Slide wires from header into plactic tube.
- C. Connect the Phone cable to the outlet.
- Connect the two 120V cords to the outlet. D.
- Connect the Speaker wire to the connectors (Make sure the number on the E. wire match with those beside the connector plate).
- F. G.
- Unscrew Screw.
 Pull plastic tube out.
 Close projector cover plate H.
- Position tube so both screws are positioned inside wood panels and screw both screws to prevent tube from sliding.



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Seat Assembly

Installation

1-4

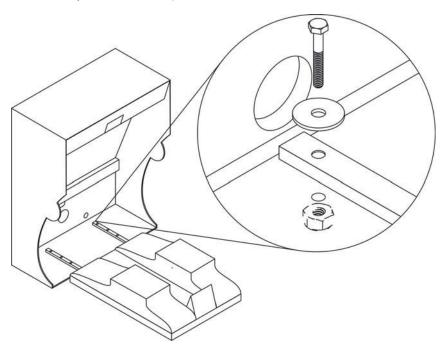


You will need the following hardware: 6 bolts and washers (½" - 13 X 2 ½")



CAREFUL NOT TO DAMAGE THE ATTACHED WIRES WHILE HANDLING THE SEAT MODULE

- 1. Remove seat platform from CRATE 2
- 2. Insert wires through the hole while positioning the seat module.
- 3. Attach seat module to the theater cabinet with the 6 bolts (1/2-13"x21/2") and washers.



Stabilize Unit

The movement of the seats produces force on the machine that can cause the entire game to move. Before operating the theater, make sure all levellers are down and resting firmly on the floor.

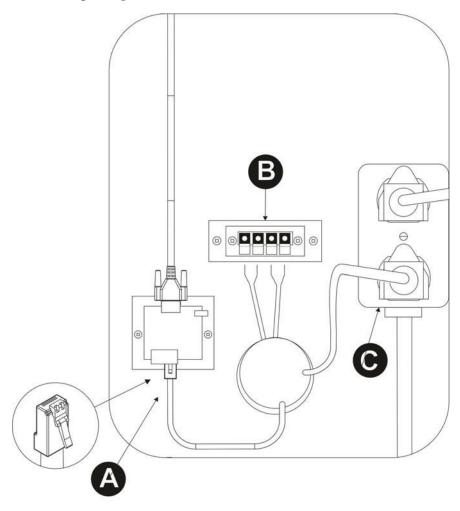
Installation

1-5

Seat wiring

- -Proceed to rear cabinet
- -Open the lower rear door (key on hook in coin mech door)
- -Take wires from the opening and connect as follows:
 - A. Connect the RG-45 cables to the terminal block;
 - B. Connect the speaker wire to the terminal; (Be sure to match the numbers that are on the speaker wires to the numbers indicated below the terminal block)
 - C. Connect the power cord from the seat.

From the back service door re-route the main power cord to the outside of the machine through the circular opening beside the door.

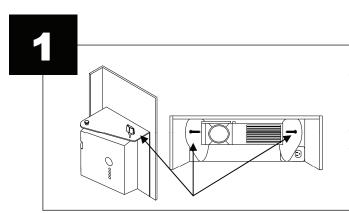


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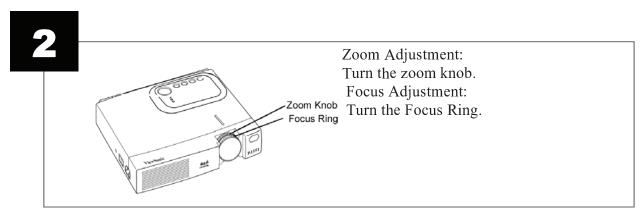
Projector adjustment Viewsonic PJ-501

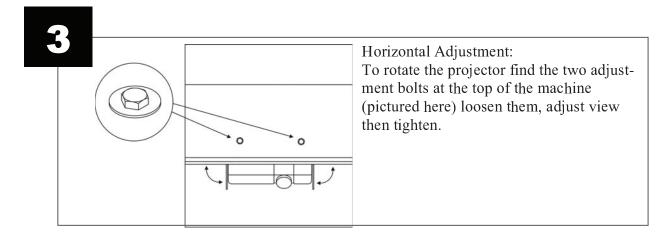
Installation

1-6



Projection is pre-adjusted at the factory but minor adjustments may be required.
(1) Vertical adjustment (Tilt) To center the image horizontally on the screen, loosen the large knob on both sides of the projector and tighten it when it is adjusted properly.



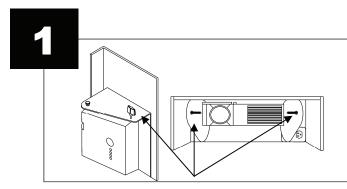


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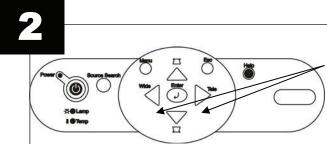
Installation

1–7

Projector adjustment Epson PowerLite S3

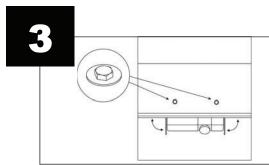


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(1) Vertical adjustment (Tilt) To center the image horizontally on the screen, loosen the large knob on both sides of the projector and tighten it when it is adjusted properly.



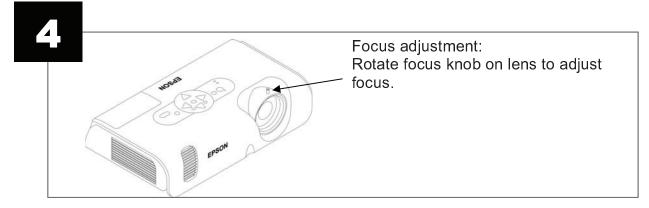
Zoom Adjustment:

Hit the WIDE and TELE buttons to adjust to the proper size.



Horizontal Adjustment:

To rotate the projector, find the two adjustment bolts at the top of the machine (pictured here) loosen them, adjust view then tighten.



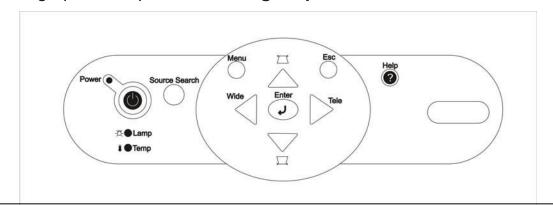
Projector adjustment Epson PowerLite S3 Continued

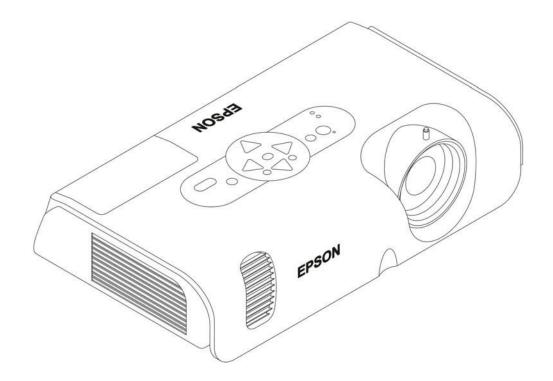
Installation

1-7

Factory projector adjustments Projector

- 1. Invert image: press Menu-projector-rear/ceiling
- 2. Image shape: press **Menu-setting-keystone**, and set to –22
- 3. Brightness: press **Menu-setting-brightness control-low**
- 4. Image color: press menu-image-color mode-presentation
- 5. Image position: press menu-signal-position





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Configuration 2

Part 2: Configuration

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Dollar Bill Validator Information	2-3

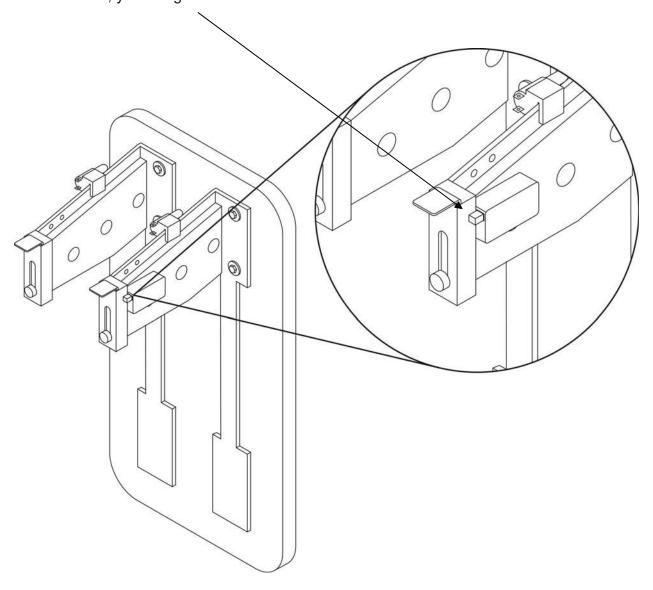
Configuration

2-1

Operator Setting Continued

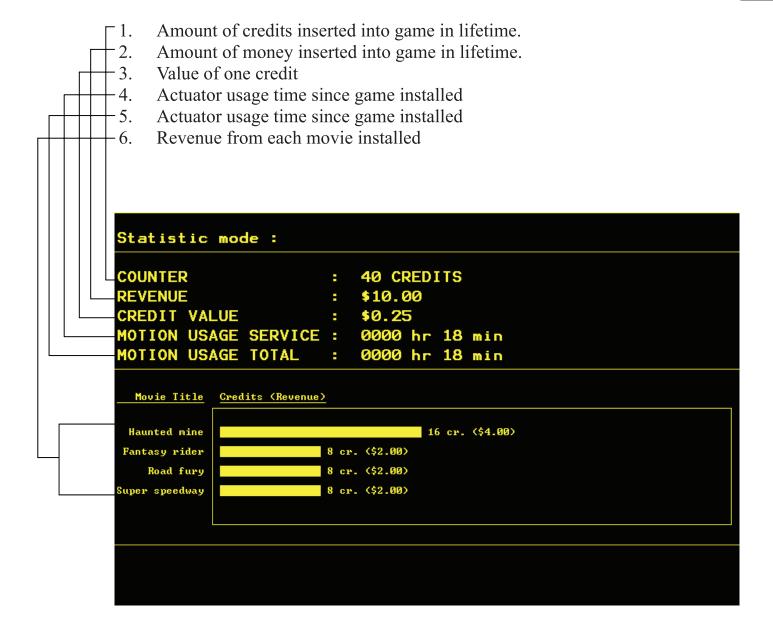
Factory setting is set at 12 coins per ride

To access the operator settings interface, open the coin mechanical door and push the small micro switch on the inside door as shown below (while in attract mode only). If you push the micro switch once, you will get the Statistic mode.



Operator Setting Configuration Continued 2_1

To access the statistic mode screen, press the micro switch once (or toggle micro switch until you reach this screen).



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Configuration

2-1

Operator Setting Continued

Use the large dash selection buttons 1 through 6 to change configurations. To change any of the options, press the appropriate button until the desired setting is reached. To return to a previous setting, keep toggling the button until it reaches the end of the settings; then it will restart the settings from the beginning.

Audio adjustments

Configuration

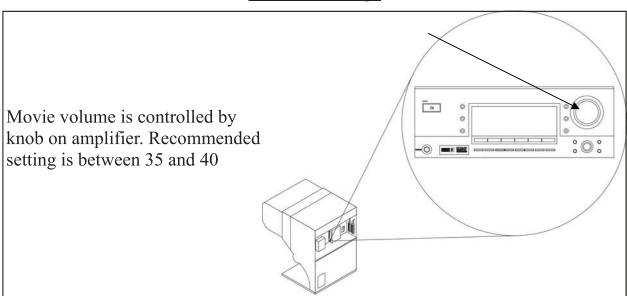
2-2



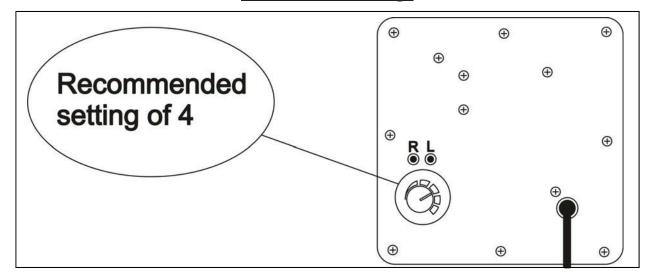
CAUTION

If the movie volume is not set high enough, it will dramatically reduce the experience! Sound level must be set loud to get the maximum effect.

Sound settings



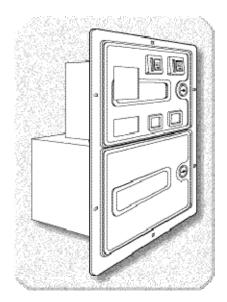
Subwoofer settings



Configuration

Dollar bill validator information

THE MAD WAVE MOTION THEATER does not ship equipped with a DBV, however it is pre-wired to accept one and we suggest the installation of one of the models recommended below. This game uses the Happ Controls Over Under Wide Bill Validator, part number 40-2000-00. This door accepts Mars upstacker bill validator with compact fitted Bezel (up to 7" deep)



Accepts both bills and coins

Fitted with full metal cash box enclosure

Fitted with two \$.25 U.S. Coin

FACTORY SUGGESTED PRICING PER RIDE IS \$3.00

Upstacker Bill validator fits these Models amongst others

MARS AE-2651-U3E MARS AE-2651-U5E

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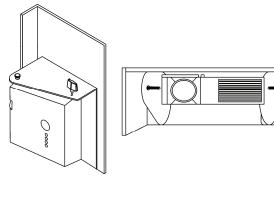
Maintenand 3

Replacing projector lamp Epson PowerLite S3

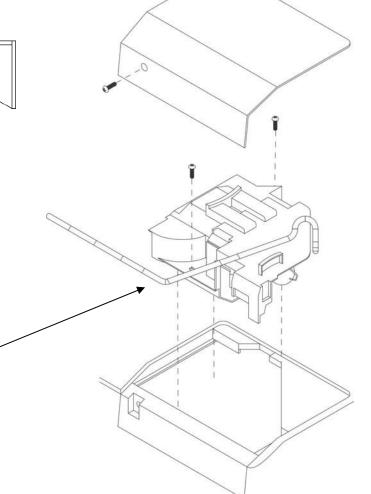
Before replacing the lamp, you need to remove the projector.

Remove the projector and disconnect the video and power cable.

Remove projector lamp cover, unscrew 2 holding screws from lamp and pull lamp out.



When inserting new lamp, make sure to re-install the light sensor cable behind lamp.



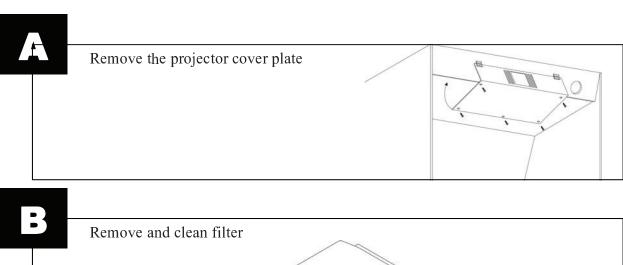
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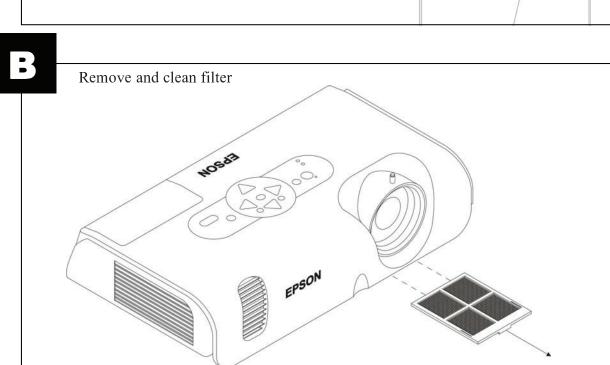
Maintenance

Cleaning projector air filter Epson PowerLite S3

Maintenance

The air filter should be cleaned as described below at intervals of approximately 3 months. If a message appears asking you to clean filter, turn projector off and clean filter.







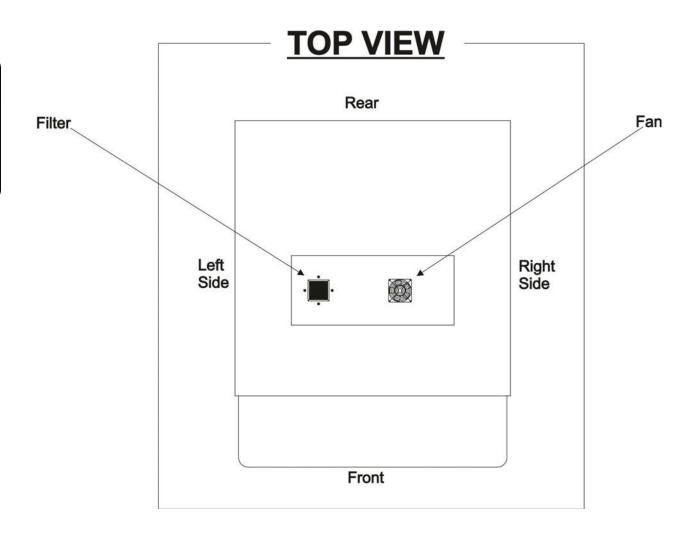
- Replace the air filter if contamination cannot be removed, or if it is damaged.
- Do not use the projector with the air filter removed.
- When the air filter is clogged, the power supply is switched OFF automatically to prevent overheating.

Maintemance

Cleaning the projector area filter Epson Powerlite S3

- -Reach top of Game
- -Slide out the filter and clean in soapy water
- -Insert back in place





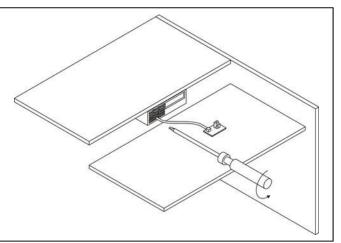
Clean filter minimum once a month

Maintemance

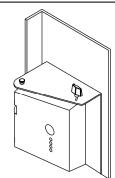
Before replacing the lamp, you need to remove the projector.

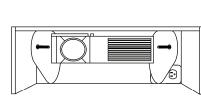
A

Remove the light sensor through the projector's fan outlet (use screwdriver to remove the sensor between the plastic pieces).



Remove the projector and disconnect the video and power cable.





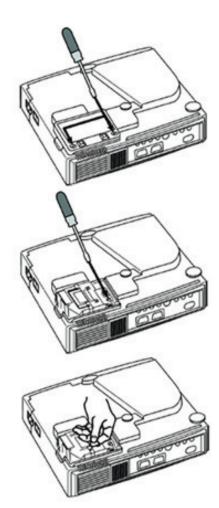
Replacing projector lamp **Viewsonic PJ-501 Continued**

Replacing the Lamp

Maintemance

When the indicator shows that there is zero (0) hours of lamp life remaining, the unit will automatically shut off within 10 minutes. If you see this message, you should replace the lamp. However, you may replace the lamp anytime after the first warning message appears, at approximately 300 hours of remaining lamp life.

- 1. Switch the projector OFF, remove the power cord from the power outlet, and wait at least 45 minutes for the unit to cool.
- 2.Prepare a new lamp. Check that the projector has cooled sufficiently, and gently turn it upside down.
- 3. Loosen the two screws as shown in the diagram, and remove the lamp cover.
- 4.Loosen the one screw, and gently remove the lamp while holding the grips. Touching the inside of the lamp case may result in uneven coloring.
- 5.Install the new lamp and tighten the one screw firmly.
- 6.Make sure that the lamp assembly is seated properly before replacing the other screw.
- 7. Replace the lamp cover in position and tighten the two screws firmly.
- 8. Gently turn the projector right-side up.





CAUTION!

Ensure that screws are properly tightened. Screws not fully tightened may result in injury or accidents.

Replacing projector lamp Viewsonic PJ-501 Continued





CAUTION:

The lamp may explode if handled at high temperatures.

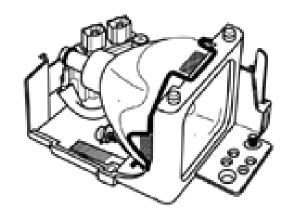
HIGH VOLTAGE - HIGH TEMPERATURE - HIGH PRESSURE

- -Dispose of the used lamp according to local regulations.
- -Since the lamp is made of glass, do not drop the unit and do not scratch the glass.
- -Do not reuse the old lamp. This could cause the lamp to explode.
- -Do not use the projector with the lamp's front glass covering removed.
- -If there is a possibility that the lamp has exploded (you heard an explosive sound), disconnect the power plug from the power outlet and ask your dealer to replace the lamp. The lamp is protected by a glass cover, but in rare cases, the reflector and the inside of the projector could be damaged by broken or shattered glass. Broken pieces of glass could cause injury

Lamp

The estimated lamp life is 4000 hours. Before replacing the lamp, turn the Power Switch OFF, remove the power cord from the power outlet, and wait approximately 45 minutes until the lamp has cooled.

NOTE: The LAMP indicator is also red when the lamp unit reaches a high temperature. Before replacing the lamp, switch the POWER OFF, wait approximately 20 minutes, and switch the POWER ON again. If the LAMP indicator is still red replace the lamp.



Replacing projector lamp Viewsonic PJ-501 Continued

After replacing the lamp, it is important that you reset the lamp timer. When the lamp has been replaced after the "THE POWER WILL TURN OFF AFTER 0hr." message is displayed, complete the following steps within 10 minutes of switching power ON. The power will be turned off automatically after 10 minutes.

Switch POWER ON.

From the OPTION menu select LAMP TIME with the description of "Adjusting the Projected Image".

Press the RESET button and hold for approximately 3 seconds. The DEFAULT and CANCEL options will display.

Press the Up arrow button to select the DEFAULT. The remaining lamp life is now reset to 2000 hours.

IMPORTANT: Do not reset the lamp timer without replacing the lamp. The message functions will not operate properly if the lamp timer is not reset correctly.

Cleaning the Lens

Gently wipe the lens with lens cleaning paper. Do not touch the lens with your hands.



Make sure the lens is cool before cleaning.

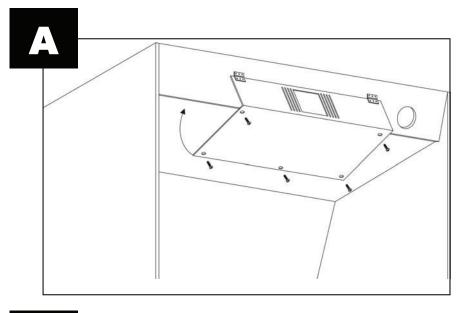
Do not use detergents or chemicals other than those noted above. Do not use benzene or thinners.

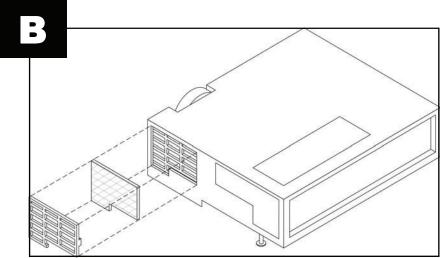
Do not use chemical sprays.

Use a soft cloth or lens paper only.

The air filter should be cleaned as described below at intervals of approximately 250 hours. When the filter is used for approximately 200 hours, the message "CLEAN THE AIR FILTER" appears when the projector is switched on.

- A. Remove the projector cover plate
- B. Remove filter and clean
- C. Reset filter timer (page 24)





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Maintenance 3-5

Reseting projector air filter Timer Viewsonic PJ-501

Reset filter timer

Do not reset the filter time without cleaning the filter. The message functions will not operate properly if the filter time is not reset correctly.

- 1. Take the remote control from inside the cabinet
- 2. Press MENU on the remote control
- 3. Select OPTION
- 4. Select FILTER TIMER
- 5. Hold the RESET button on the remote control for 5 seconds
- 6. Select RESET
- 7. Check that the filter timer is back to 0

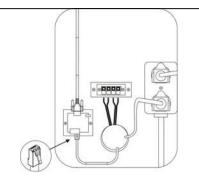


- Replace the air filter if contamination cannot be removed, or if it is damaged.
- Do not use the projector with the air filter removed.
- When the air filter is clogged, the power supply is switched OFF automatically to prevent overheating.

Replacing an actuator

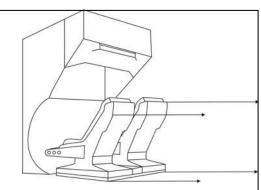
A

Unplug all cables from the seat module through the small door opening in the back of the main cabinet.



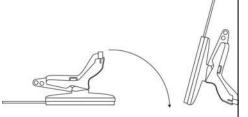
B

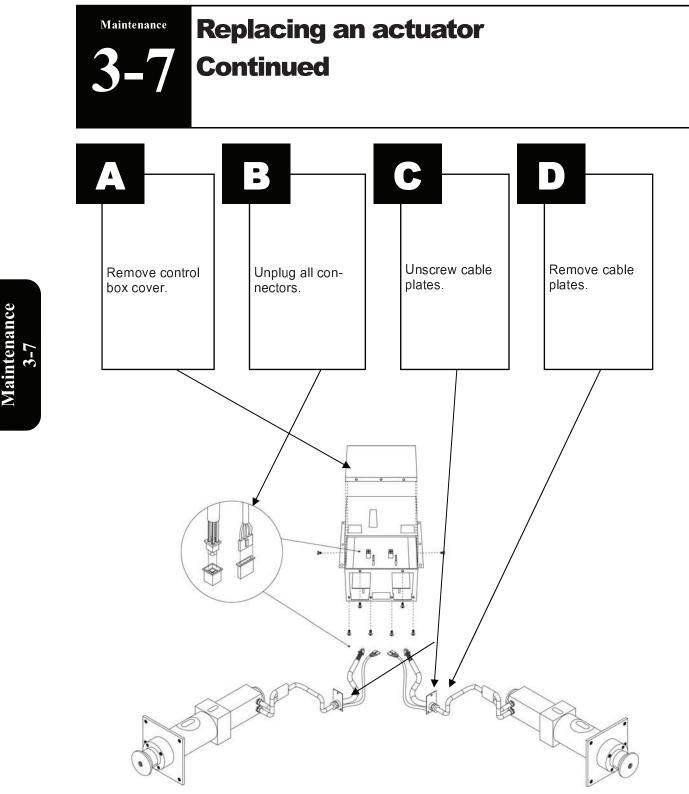
Unbolt the seat module from the main cabinet Slide the seat module a foot away from the main cabin (being careful not to damage the seat cables)



C

Lift the seat module using the 2" 1x2 metal tubes as handles until the back of the seats touches the floors (fig C)





Replacing an actuator Continued

Maintenance

Remove the bolts using 7/16" socket with bolts #1 , ½" socket with bolts #2 and 5/32 hex key with bolts #3

NOTE: The left and right plates are not the same. Do not mix them if you are removing the two actuators.

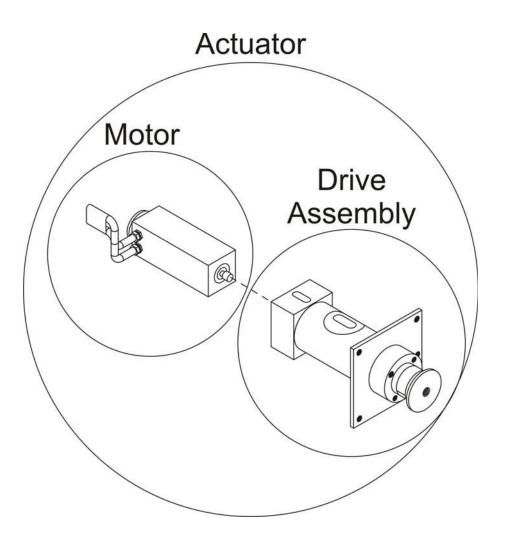
Maintenance 3-7

IMPORTANT: When reinstalling the plates, slide them toward the outside of the machine.

Replacing a drive assembly

Remove drive assembly from motor. Shipping a drive assembly is the cheapest way to get the actuator repaired as you save on shipping (weight).

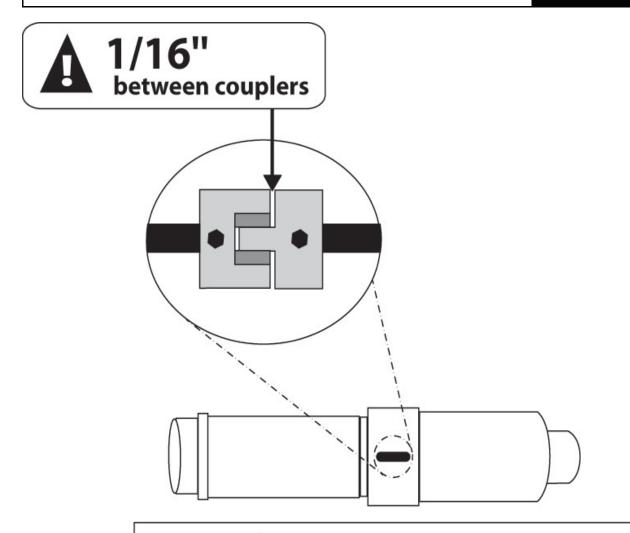
Maintenance 3-8



Replacing a drive assembly Continued

Maintenance

3-8





If positioned too close the heat and pressure will damage the bearings. You can ajust spacing by repositionning the coupler on the motor with the set screew.

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roubleshooting

Diagnostic screen and error codes

Choose one of the following options

A

If your serial number ends with the last 3 digits between 001 and 241 (example MT-03-04-<u>018</u>), go to page 34.

B

If your serial number ends with the last 3 digits 242 or above (example MT-05-04-<u>596</u>), go to page 35.

4-1-1

Diagnostic screen and error codes Continued

Motic	on Theater Diagnosti	c Mode : [S	eat 51:co	om3	
General	status (com3) : Synchronizing				
actuator	· 2 (left) status : Unknowned	7			
actuator	3 (right) status : Unknowned]	
	2 (left) error : OK				
]		
actuatoi	3 (right) error : OK				
	Motion err	or. Press a	ny select	ion button to r	etry.
					ver. 2.01 Mar 31 2004 14:00:2
•	SYNCRONIZED	No problem rep		is actuator	
•	<u>SYNCRONIZING</u> <u>NOT RESPONDING</u>	Move to box be Goto page 43	low		
•	Software (overweight)			Go to page 3	
•	Software (travel)			Go to page 3	
•	<u>Software (overpos)</u> Software (fail hall)			Go to page 3 Go to page 3	
•	Software (fail encoder			Go to page 3	
•	Software (Timeout)			Go to page 3	
•	Command OverRun			Go to page 3	
•	<u>Software</u>			Go to page 4	
	-				

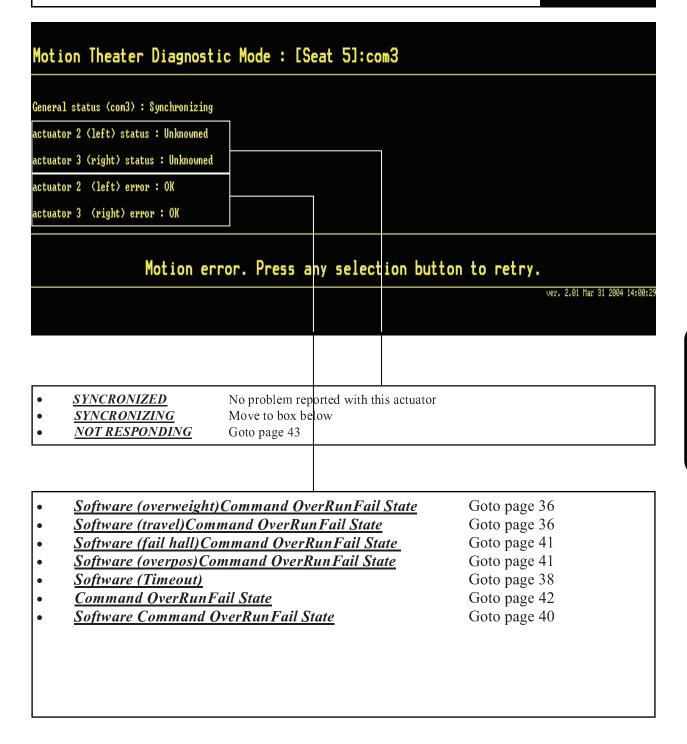
Technical Support 1-888-465-4634

roubleshooting

Diagnostic screen and error codes Continued

Troubleshooting

4-1-1



4-1-1

Diagnostic screen and error codes Continued

Software (Travel)

Software (overweight)

Software (overweight) Command OverRun Fail State

Software (OverPos)

Software (Travel) Command OverRun Fail State

Cause

- Mechanical fault

-Unplug Motion Theater.

-Lift speaker bars on sets to check if they move freely.

MOVES FREELY

-Re-seat actuator on side the error appeared (diagnostic screen). Do not tighten center

bolt too hard.

If no change, replace whole actuator.

DOES NOT MOVE FREELY

-Replace DRIVE ASSEMBLY

Diagnostic screen and error codes Continued

Troubleshooting

4-1-1

Software (Fail Hall)

Software (Fail encoder)

- Electrical fault

Cause

-Replace whole ACTUATOR on side error appears. Section 3-3.

4-1-1

Diagnostic screen and error codes Continued

Software (Timeout)

Cause

- Actuators have not received data from computer for more than one minute

A

- -Unplug machine
- -Wait 6 minutes
- -Re-plug machine

B

- -Get mouse and keyboard
- -Press ESC on keyboard
- -Double Click MOTION THEATER icon on computer desktop.

Diagnostic screen and error codes Continued

Troubleshooting

4-1-1

Command OverRun

- Same side Actuators are installed on Motion Theater

I have not replaced an actuator.

Call Tech Support @ 1-888-465-4634

I just replaced an actuator.

-Remove actuator you just installed.
-Open actuator.

Call Technical Support 1-888-465-4634

4-1-1

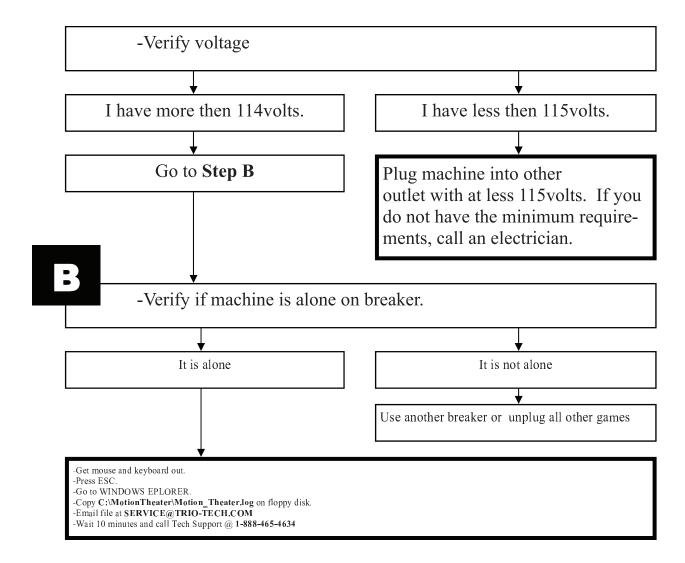
Diagnostic screen and error codes Continued

Software

Software Command OverRun Fail State

Cause

- Machine is sharing breaker with other devices.
- Machine is not receiving at least 115 volts.



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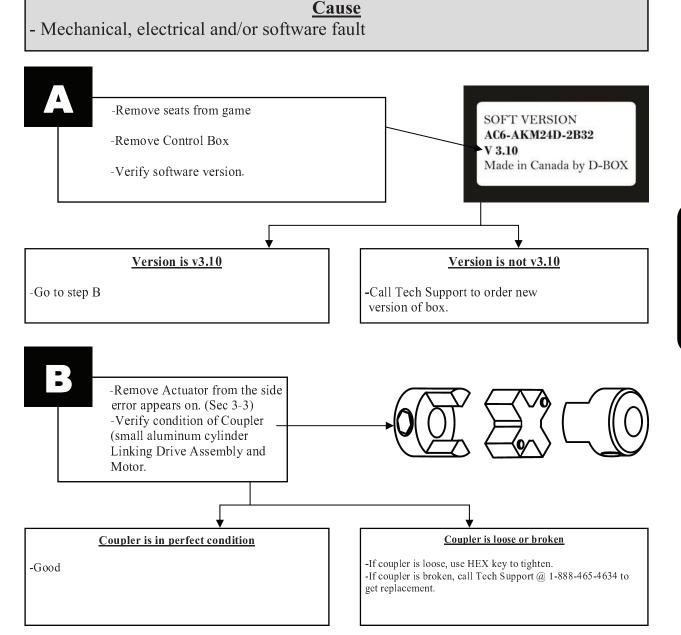
Diagnostic screen and error codes Continued

Troubleshooting

4-1-1

Software (overPos) Command OverRun Fail State

Software (fail hall) Command OverRun Fail State



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Troubleshooting

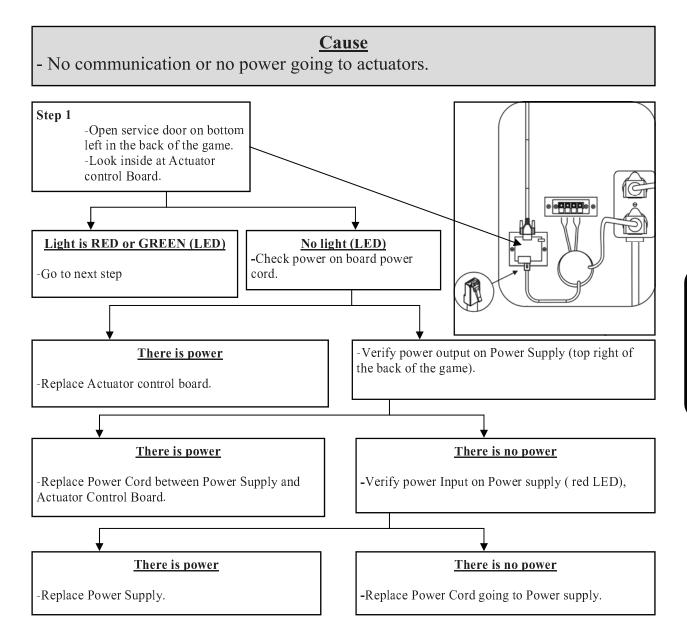
Diagnostic screen and error codes Continued

Command OverRun Fail State

- When error appears as is, without the word **software**, no problem is detected on **this** actuator.

4-1-1

Not Responding

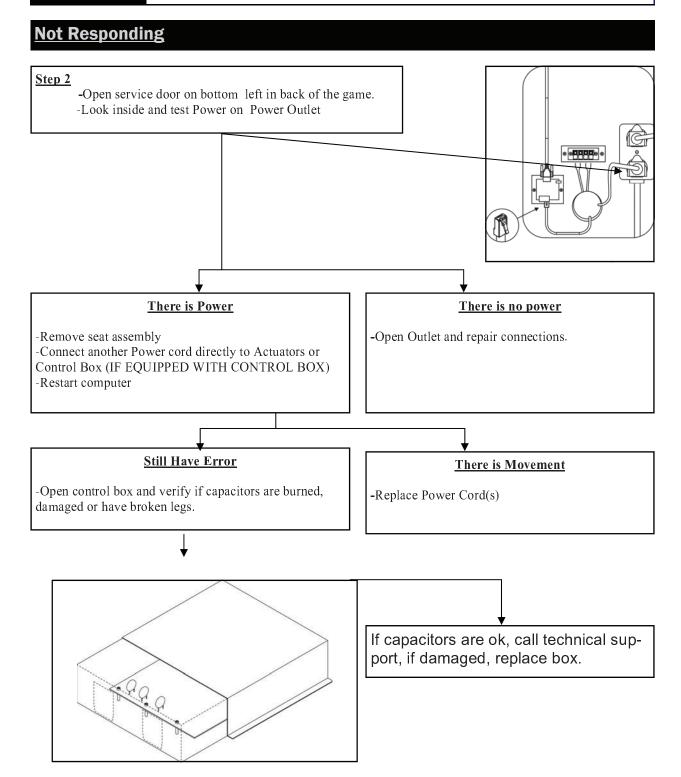


Continued next page

Technical Support 1-888-465-4634

4-1-1

Diagnostic screen and error codes Continued



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roubleshooting 711

Motion stops and restarts during ride

4-1-2

Cause

- One or more Actuator is faulty, but does not generate an error in the Diagnostic Screen.
- -Get mouse and keyboard out.
- -Press ESC.
- -Go to WINDOWS EXPLORER.
- -Copy C:\MotionTheater\Motion_Theater.log on floppy disk.
- -Email file at **SERVICE@TRIO-TECH.COM**
- -Wait 10 minutes and call Tech Support @ 1-888-465-4634

Troubleshootii 4-1-2

4-1-3

Motion is not synchronized

Cause

- Wrong version of the USB to Serial converter (computer cable)

-Replace computer with version that does not use such a cable (new cables are not compatible).

Game plays without motion

Cause

- Wrong version of the USB to Serial converter (computer cable)

-Replace computer with version that does not use such a cable (new cables are not compatible).

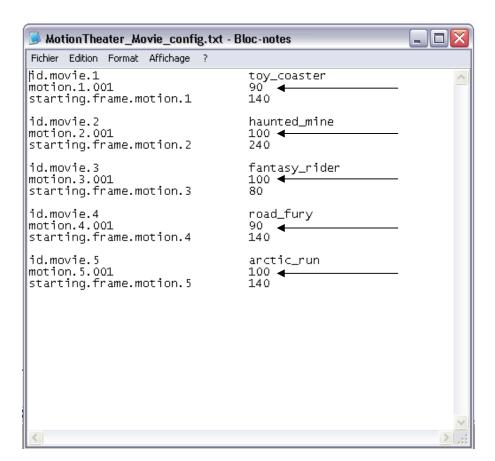
One seat rises when starting and other does not

Cause

- One or more Actuator is faulty, but does not generate an error in the Diagnostic Screen.
- -Take mouse and keyboard out.
- -Press ESC.
- -Go to WINDOWS EPLORER.
- -Copy **C:\MotionTheater\Motion_Theater.log** on floppy disk.
- -Email file to **SERVICE@TRIO-TECH.COM**
- -Wait 10 minutes and call Tech Support @ 1-888-465-4634

Cause

- All games have the same motion strength
- -Get mouse and keyboard
- -Open WINDOWS EXPLORER
- -Access c:\MotionTheater\MotionTheater_Movie_config.txt
- -Open file
- -Modify the motion volume for the rides you think are too strong.
- -Set motion between 70 and 100



Video (picture, image and projector)

	SECTION	PAGE
Video (Picture, image and projector) Table of contents	4-2	51
No image	4-2-1	52
Blue or purple screen	4-2-2	53
Message on screen	4-2-3	54
Projector remote control does not respond	4-2-4	55

Froubleshooting

4-2-2

Blue or purple screen

Projector ballast is defective Cause

-Replace projector



Message on screen

Troubleshooting

Cause

- Computer problem
- Projector control board problem
- Projector filter needs cleaning
- Projector lamp timer to reset
- Wrong input selected on projector



REASON

-Computer uses USB to SERIAL cable

SOLUTION

-USB to SERIAL cable not connected



<u>REASON</u>

-Regular filter cleaning

SOLUTION

-Clean air filter on side of projector and reset timer



REASON

Projector control board (behind projector) is not detecting projector **SOLUTION**

-Check light sensor on projector control board, insert in grill. If inserted, replace



REASON

Wrong input source on projector

SOLUTION

-Using remote control, set input to RGB or press INPUT on projector



-Lamp has reached the end of its expected life.

SOLUTION

-Purchase spare lamp and replace when yours fails

-Reset lamp timer using menu button on remote control

Projector remote control does not respond

Cause

- Batteries are dead
- Remote control is defective
- -Replace batteries
- -Replace remote control



Buttons do not respond

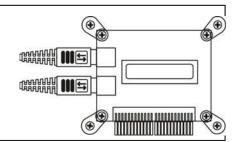
Troubleshooting

Cause

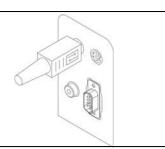
- Bad connection in wiring
- Bad connection to computer

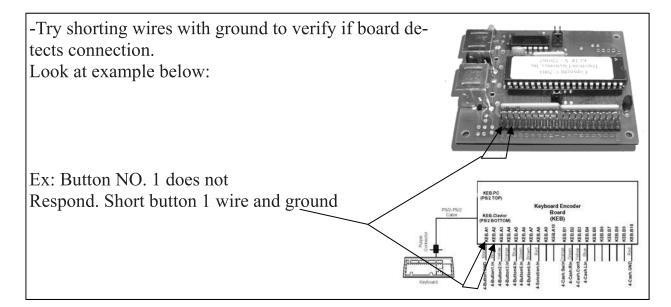
Restart computer after each step below

-Ensure keyboard encoder board wires are pushed in tight. (use knife)



-Make sure PS2 extension that runs between keyboard encoder board and computer is on tight. (turn computer off, reseat cable and restart computer)





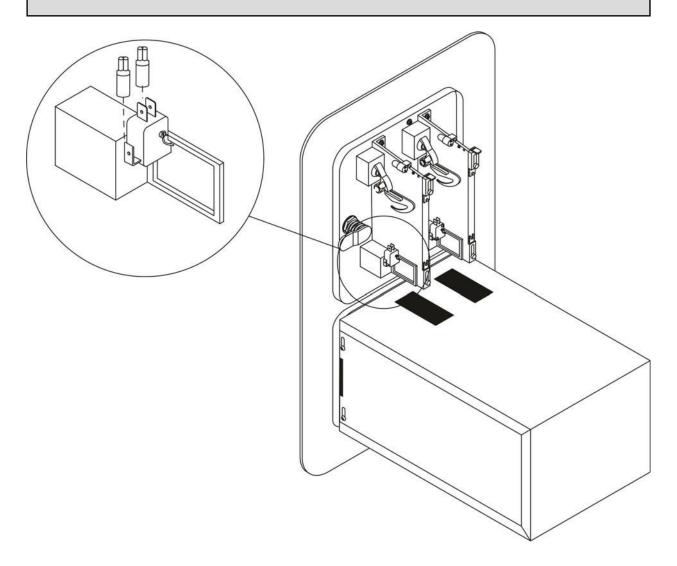
Technical Support 1-888-465-4634

4-4

Coin door (credits not recognized)

Cause

Connectors or wires came loose



- -Verify that red connectors are pushed in tight.
- -Verify that wires in connectors are secure.
- -Verify that problem does not come from keyboard encoder board. (section 3)

roubleshootir 4-4

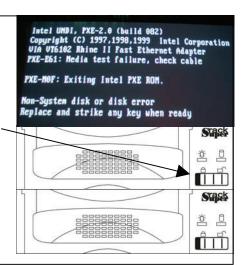
Computer error codes

Cause

- Hard drive not ON
- USB to SERIAL connector (cable in back is not connected)
- Actuator problem

-If you get this error at boot-up, Check ON/OFF switch on outside of hard drive case. Button should be to the left and green light should be on.

-If light is on and same error appears, remove hard drive from tray and connect it directly on IDE cable inside computer.



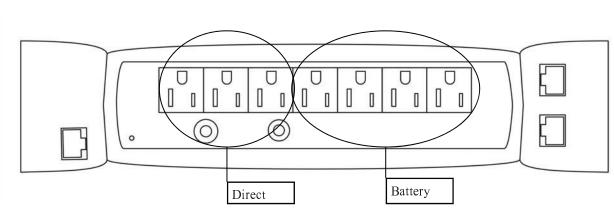
-If this error appears, call technical support at 1-888-465-4634



-If this screen appears, refer to section 4 -1 page 33.



Battery backup



-The battery backup has 7 outlets. 4 are battery-powered and 3 are direct.

-If <u>START</u> bar appears during game play, battery did not shut down computer properly.

-Unplug game from wall and wait 15 minutes before replugging. Problem will be solved.



-If battery keeps on beeping, unplug game from wall and wait 15 minutes before replugging. Problem will be solved.

-If battery does not turn on, replace battery.

Troubleshooting Led sign 4_7

Trouble

- Some lights not functioning
- Lines not lighting
- Message changes
- Does not store message in memory
- Customizing message
- Does not power on

Some lights not functioning -Replace SIGN
Lines not lighting -Replace SIGN
Message changes Call Triotech 1.888.465.4634 for update

-Replace SIGN	Does not store message in memory
---------------	----------------------------------

Customizing message
<u>Customizing message</u>
-Call Triotech 1.888.465.4634 for update
-Call Tholeen 1.888.403.4034 for update

	Does not power ON	
-Replace SIGN	-	

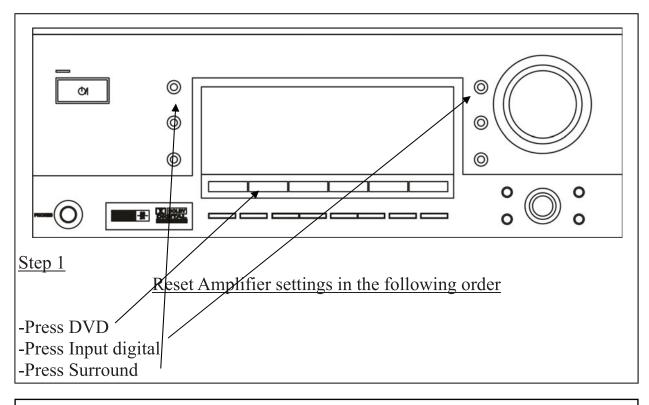
Technical Support 1-888-465-4634

4-8

Audio sound

Trouble

- No sound to 1 or more surround speakers.
- No sound at all



No sound to 1 or more surround speakers

If no sound, disconnect all surround speakers and test them one at the time. If one or more do not work, replace it (them).

No sound at all

If no sound, check power. If you have power, reset settings and restart computer. Replace coaxial cable linking computer and amplifier If all else fails, replace amplifier.

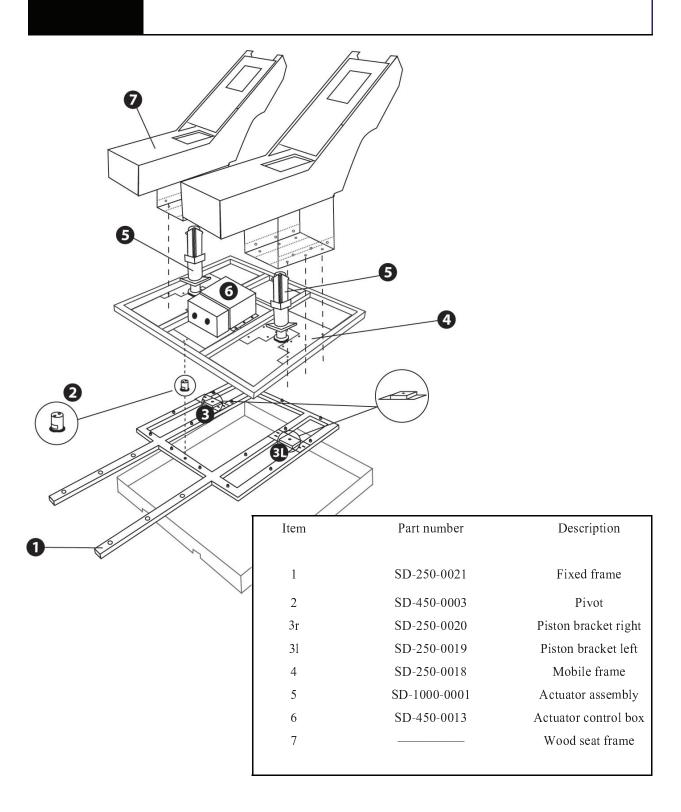
Madwave Motion Theater User Manual

Parts 5

Part 5 : Parts List

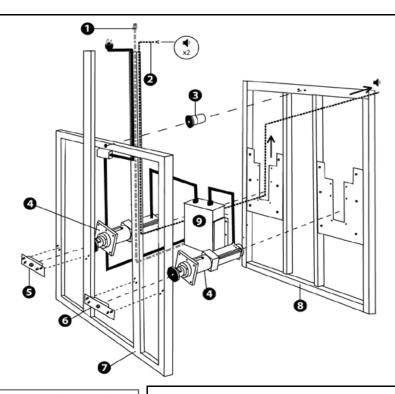
Seat assembly parts	5-1
Seat assembly parts	5-2
Seat fiberglass parts	5-3
Header parts	5-4
General parts	5-5

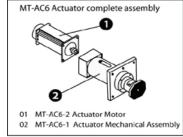
Seat assembly



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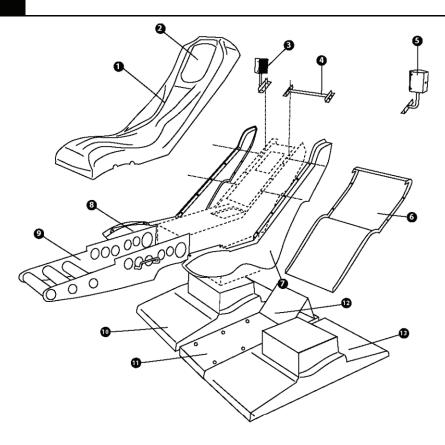




Item	Part No.	Description
1	SD-150-0019	RJ45 cable
2	SD-150-0022	18 Ga speaker wire
3	SD-450-0003	Pivot
4	SD-1000-0001	Actuator Conplete assembly
5	SD-250-0020	Piston bracket right
6	SD-250-0019	Piston bracket left
7	SD-250-0021	Fixed frame
8	SD-250-0018	Mobile frame
9	SD-450-0013	Actuator contol box

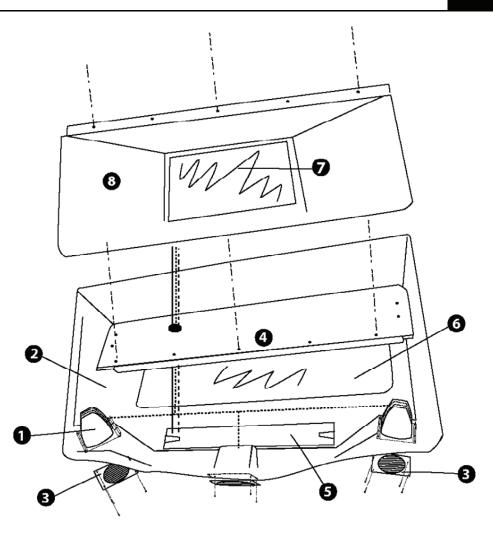
5-3

Seat assembly (fibreglass)



Item	Part No.	Description
01	SD-250-0010	Fiberglass seat
02	SD-500-0003	Head Custom
03	SD-250-0024	Right Speaker support
04	SD-250-0010	Holder Bar
05	SD-250-0023	Left Speaker support
06	SD-350-0006	Fiberglass back
07	SD-350-0004	Fiberglass right side
08	SD-350-0003	Fiberglass left side
09	SD-250-0025	Foot Rest
10	SD-350-0001	Right Fiberglass base
11	SD-400-0002	Center floor plastic
12	SD-250-0011	No Step Plate
13	SD-350-0002	Left Fiberglass base

Parts



ltem	Part No.	Description
01	SD-700-0020	Speakers
02	SD-350-0007	Header
03	SD-250-0026	Speaker grill
04	SD-550-0003	Neon Light 4'
05	SD-550-0002	LED Sign
06	SD-400-0005	Front Plastic
07	SD-600-0002	Mirror
08	SD-400-0004	Mirror holder

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THEATER				
	PART NUMBER	NAME		
MECANICAL				
MECANICAL	SD-450-0002	ACTUATOR AV 1.15 LEFT		
	SD-450-0002	ACTUATOR AV 1.15 RIGHT		
	SD-1000-0001	ACTUATOR AC 6		
	SD-450-0004	DRIVE ASSEMBLY AV 1.15		
	SD-450-0005	DRIVE ASSEMBLY AC 6		
		PIVOT BRACKET		
	SD-900-0004	ACTUATOR COUPLER		

	COMPUTER	
	SD-300-0002	COMPUTER
	SD-300-0008	MAXTOR HARD DRIVE 40GB
	SD-300-0017	SEAGATE HARD DRIVE 80GB
COMPUTER	SD-300-0007	COMPUTER VIA MOTHERBOARD
	SD-300-0018	MEMORY CARD 256 MEG SDRAM
	SD-300-0022	CD-ROM DRIVE
	SD-300-0024	COMPUTER POWER SUPPLY MINI AT
	SD-300-0014	FLOPPY READER

	ELEC	TRONICS
	SD-150-0098	12V POWER SUPPLY
	SD-900-0018	PROJECTOR AIR FILTER
	SD-700-0002	PROJECTOR
	SD-700-0042	PROJECTOR REMOTE CONTROL
ELECTRONICS	SD-300-0004	PROJECTOR CONTROL BOARD
	SD-900-0014	PROJECTOR LAMP PJ-501
	SD-900-0016	PROJECTOR LAMP PJ-550
	SD-300-0001	KEYBOARD ENCODER BOARD
	SD-150-0024	ACTUATOR CONTROL BOARD
	SD-300-0003	UPS BATTERY BACKUP
	SD-950-0001	AMPLIFIER
	SD-700-0003	SUBWOOFER SPEAKER
	SD-700-0020	SURROUND SPEAKER
	SD-550-0002	PROLITE LCD PANEL
	SD-150-0019	ACTUATOR RJ45 SHIELDED NETWORK CABL

		MISC
	SD-150-0030	BLUE SELECTION BUTTON
	SD-150-0029	RED BUTTON
	SD-350-0005	FIBERGLASS SEAT
	SD-150-0099	CHERRY SWITCH
	SD-500-0003	HEAD CUSHION
MISC	SD-250-0019	ACTUATOR BRACKET LEFT
	SD-250-0020	ACTUATOR BRACKET RIGHT
	SD-250-0017	AMPLIFIER MOUNTING PLATE
	SD-650-0001	SIDE DECALS
	SD-250-0023	SPEAKER HOLDING BAR (LEFT)
	SD-250-0024	SPEAKER HOLDING BAR (RIGHT)

Madwave Motion Theater User Manual

Table of content

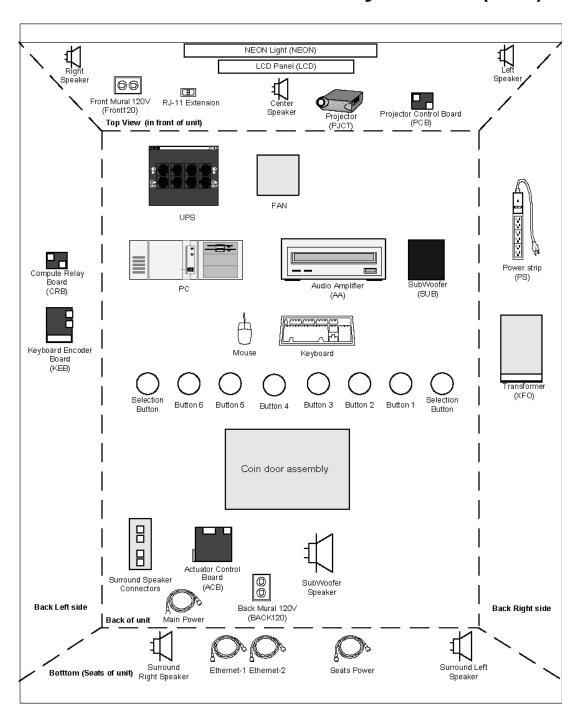
Schematics 6

Part 6 : Schematics

Electrical (back of game)	6-1
Computer	6-2
Audio / video	6-3
Electrical	6-4

Electrical (back of game)

MWMT Electrical Schematics: Physical view (back)



chema

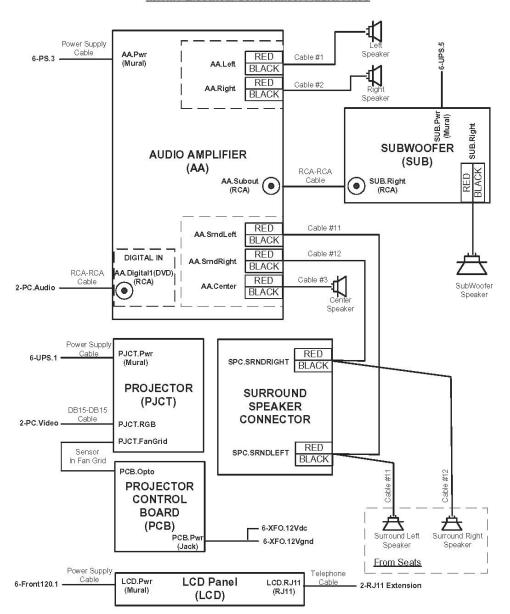
Schematics Computer

MWMT Electrical Schematics: PC CRB.W1 - 6-XFO.12Vdc Compute Relay Board (CRB) 6-XFO.12Vgnd Relay CRB.W2 Power Supply Cable DB15-DB15 Cable PC.RedCon PC.Pwr (Mural) PC.Video (DB15) 3-Projector.RGB RCA-RCA Cable PC.Audio (RCA) - 3-AA.Digital1(DVD) PC DB9-RJ11 Converter Telephone ___ Cable PC.Keyboard (PS/2) PC.Mouse (PS/2) PC.Serial1 (DB9) RJ-11 Extension USB Cable USB Cable DB9-DB9 Cable Keyboard Encoder Board PS/2-PS/2 Cable KEB.Clavier (PS/2 BOTTOM) (KEB) KEB.B5 KEB.B6 KEB.B7 KEB.B8 KEB.B9 KEB.A7 KEB.B1 KEB.B4 4-Button.GND Black 4-Button2.In Yellow 4-Button3.In Trange 4-Cash.SwIn_Green 4-Cash.Cong Yellow 4-Cash.Lin_Blue 4-Cash.GND Red

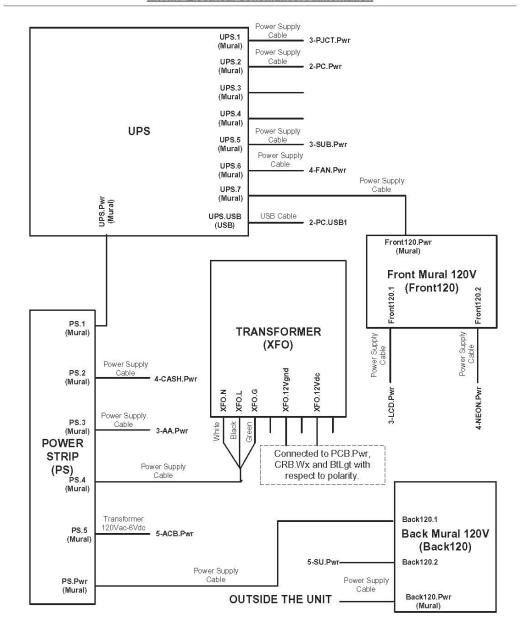
Keyboard

Audio / Video

MWMT Electrical Schematics: Audio/Video



MWMT Electrical Schematics: Alimentation



Technical Support

109 Des Industries Lavaltrie, Quebec Canada J5T 3R2

1-888-IN-LINE-4

Fax: 450.586.0299 www.trio-tech.com info@trio-tech.com

LIMITED WARRANTY

- With the exception of drive assemblies and projector bulbs (parts causing motion of the seats), Triotech warrants to the buyer, for a period of (1) one year starting on the day of product delivery, all parts against any manufacturer's defect. During this warranty period, Triotech agrees to replace defective parts. Installation costs onsite are at the charge of the buyer.
- Triotech warrants to the buyer, for a period of (3) three months starting on the day of product delivery, all parts and labor against any manufacturer's defect of drive assemblies (parts causing motion of the seats) and projector bulb. During this warranty period, Triotech agrees to replace defective parts. Installation costs onsite are at the charge of the buyer.
- Ground Freight costs for replacement parts are at the charge of Triotech, if Air freight is requested it will be at the charge of the buyer. The buyer agrees to send back defective parts to Triotech within (30) thirty days and freight costs will be at his charge.
- The warranty is limited to manufacturer's defects.
- As for parts or components not manufactured by Triotech, the only valid warranty is that of the manufacturer's.
- Triotech assumes no liabilities for any loss of revenue, damage or inconvenience of any type resulting from a defect of any part of the system and will not assume the temporary replacement of the system during the period of repair.
- Triotech is not liable of any late delivery of the system.
- Any apparent defect or non-delivery of a part of the system shall be notified in writing within 5 days of delivery.
- Defective parts covered by the warranty will be replaced at Triotech's discretion either by new or rebuilt parts with the same or with a replacement model of the same parts. Warranty on replacement parts ends on the same date as the original part warranty.
- No warranty is valid if the defect is the result of a misusage, or contrary to the norms of instruction or user manuals, or the result of improper maintenance.
- Using spare parts that do not fit specifications will void the warranty. Removing serial numbers and/or bar codes from product or component will void the warranty.
- Triotech is only liable to the replacement, in a reasonable delay, of the defective parts.
- No warranty is granted on the productivity of the system sold or on the result of its use.