

Payout audits- Displays tickets, tickets per game, points, points per game, min points per game, max points per game, bonus points, bonus points per game, min bonus points, max bonus points, jackpot tickets, jackpot tickets per game, and max jackpot tickets

Game audits- Displays jackpots, jackpot win percent, min game since jackpot, Average games since jackpot, max games since jackpot, fall deaths, stun deaths, black hole deaths, UFO deaths, spring uses, trampoline uses, jetpack uses, propeller uses, spring shoe uses, monsters killed, purple spiders killed, blue Cyclops killed, red three eyes killed, green 2 eyes killed, green three eyes killed, UFO killed, blue winged killed, winged three eyes killed, green three eyes tall, blue two eyes killed, original theme selected, space theme selected, jungle theme selected, and level select timeout

Easy map audits- Displays

Easy map 1 plays, deaths, average points, average bonus, bonus pickup percent
Easy map 2 plays, deaths, average points, average bonus, bonus pickup percent
Easy map 3 plays, deaths, average points, average bonus, bonus pickup percent
Easy map 4 plays, deaths, average points, average bonus, bonus pickup percent
Easy map 5 plays, deaths, average points, average bonus, bonus pickup percent
Easy map 6 plays, deaths, average points, average bonus, bonus pickup percent
Easy map 7 plays, deaths, average points, average bonus, bonus pickup percent
Easy map 8 plays, deaths, average points, average bonus, bonus pickup percent
Easy map 9 plays, deaths, average points, average bonus, bonus pickup percent
Easy map 10 plays, deaths, average points, average bonus, bonus pickup percent

Medium map 1 plays, deaths, average points, average bonus, bonus pickup percent
Medium map 2 plays, deaths, average points, average bonus, bonus pickup percent
Medium map 3 plays, deaths, average points, average bonus, bonus pickup percent
Medium map 4 plays, deaths, average points, average bonus, bonus pickup percent
Medium map 5 plays, deaths, average points, average bonus, bonus pickup percent
Medium map 6 plays, deaths, average points, average bonus, bonus pickup percent
Medium map 7 plays, deaths, average points, average bonus, bonus pickup percent
Medium map 8 plays, deaths, average points, average bonus, bonus pickup percent
Medium map 9 plays, deaths, average points, average bonus, bonus pickup percent
Medium map 10 plays, deaths, average points, average bonus, bonus pickup percent

Hard map 1 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Hard map 2 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Hard map 3 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Hard map 4 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Hard map 5 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Hard map 6 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Hard map 7 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Hard map 8 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Hard map 9 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Hard map 10 plays, deaths, average points, average bonus, bonus pickup percent jackpots

Extra Hard map 1 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Extra Hard map 2 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Extra Hard map 3 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Extra Hard map 4 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Extra Hard map 5 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Extra Hard map 6 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Extra Hard map 7 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Extra Hard map 8 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Extra Hard map 9 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Extra Hard map 10 plays, deaths, average points, average bonus, bonus pickup percent jackpots

Easy Hard map 1 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Easy Hard map 2 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Easy Hard map 3 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Easy Hard map 4 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Easy Hard map 5 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Easy Hard map 6 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Easy Hard map 7 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Easy Hard map 8 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Easy Hard map 9 plays, deaths, average points, average bonus, bonus pickup percent jackpots
Easy Hard map 10 plays, deaths, average points, average bonus, bonus pickup percent jackpot

Resets menu- includes

Clear coins
Clear tickets
Reset audits
Reset adjustments
Factory reset
CRC check

Copy Audits to USB

View errors

Volume- Select 0 to 20

Attract volume Select 0 to 20

Attract music volume mode- On, on occasionally, or off

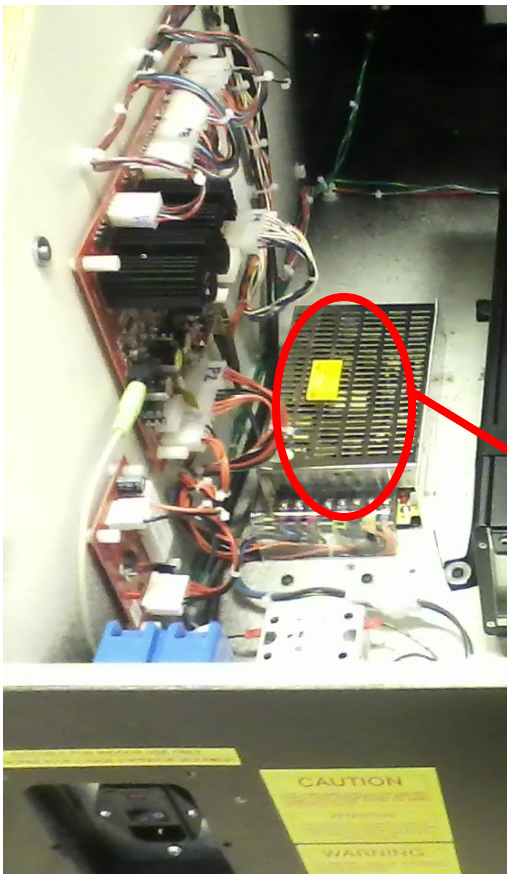
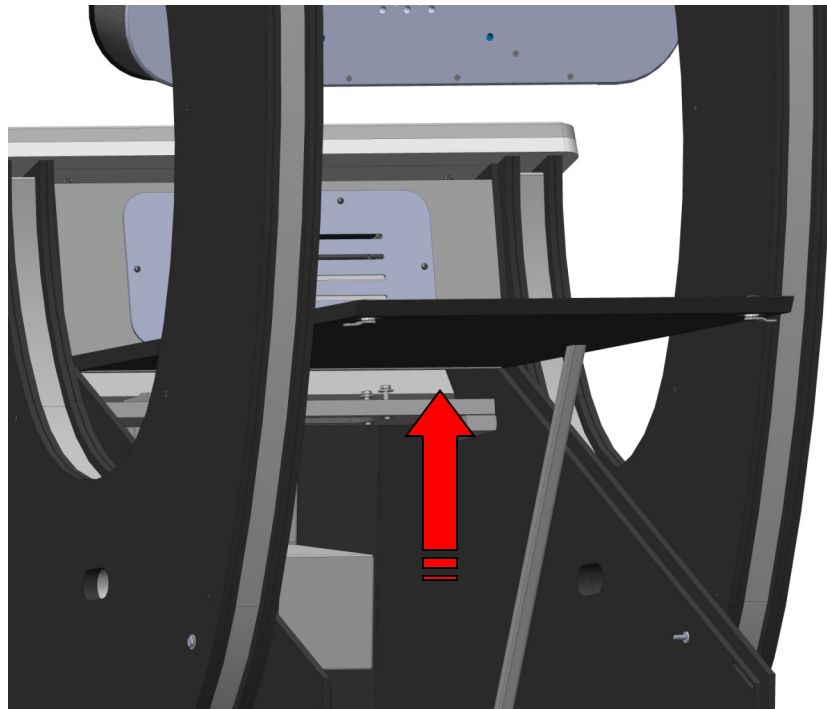
Jackpot terminology- Changes the jackpot display from “**jackpot**” to “**super bonus**” However has nothing to do with payout. This is only for aesthetics

Restoring Software

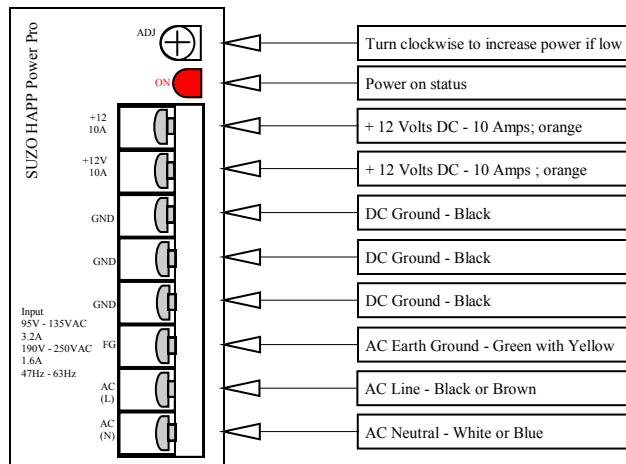
To use a restore disc you must access the PC and insert the DVD into the computer’s DVD drive. To access the pc follow the instructions under “PC Access and Removal”. You will need to do this with the power on. Press the “open” button located on the DVD drive. Insert the DVD disc into the DVD drive with the label side facing up. Now press the open button again to close the DVD drive’s door or slightly push in the drawer and it will close automatically. Turn off the game and wait 5 seconds. Turn the game back on and in a short time the screen will warn you that it is going to write over your hard drive. If you wish to not continue turn off the game now. It will count down and begin installing the software. This should be done if you experienced data corruption, replaced the hard drive, received updated software or told to do so by ICE technical representative.

Power Supply Access

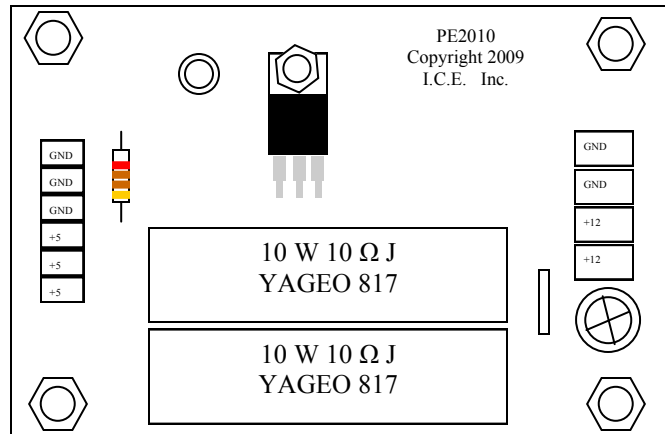
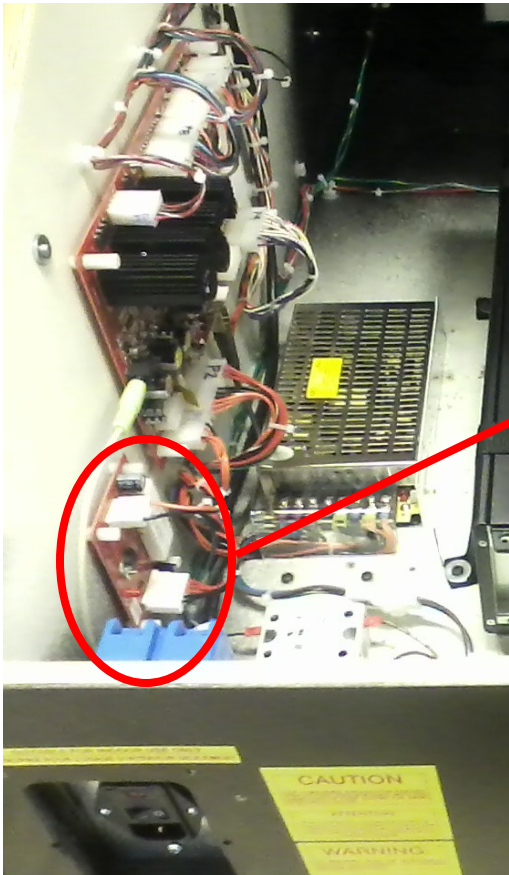
The power supply is accessed through the bottom back panel. Unlock the bottom locks and lift the panel up. Locate the panel door prop and raise it so that it will support the back access panel up. See picture below.



Located on the left side wall is a +5 volt power supply. This is ICE part number PE2010X. The +12 volt supply is on the floor of the cabinet and its ICE part number is IA2010.



PE2010 5 volt regulator power supply.

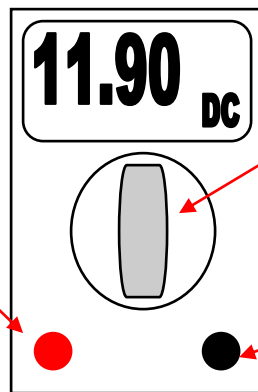


+5 volt regulator PCB. Incoming voltage is +12 volts of DC. Output is +5 DC regulated. If there is no +5 out check for +12 DC in or +12 out from PE2010X. If +12 is also missing, check 110v in to PE2010X power supply.

Checking DC Voltages

Volt test with the volt meter set to DC voltage. The +5 output can be adjusted by turning the adjustment screw of the power supply. Adjust to as close to +5 as possible. Increasing the +5 will also increase the +12. The voltage range can be plus or minus 5%.

Positive Probe:
Connect to +12V on power supply
(orange wire to power supply)

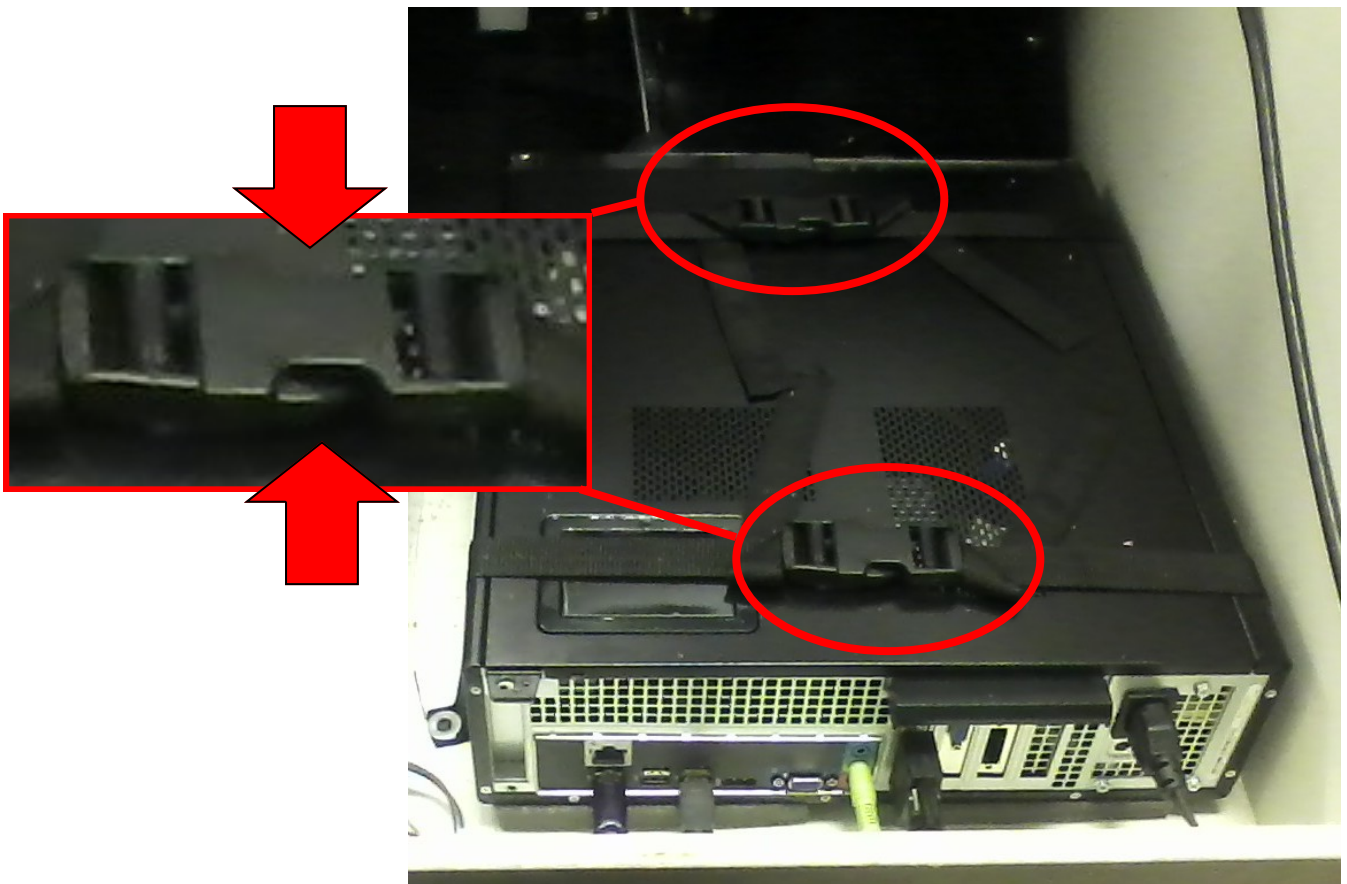
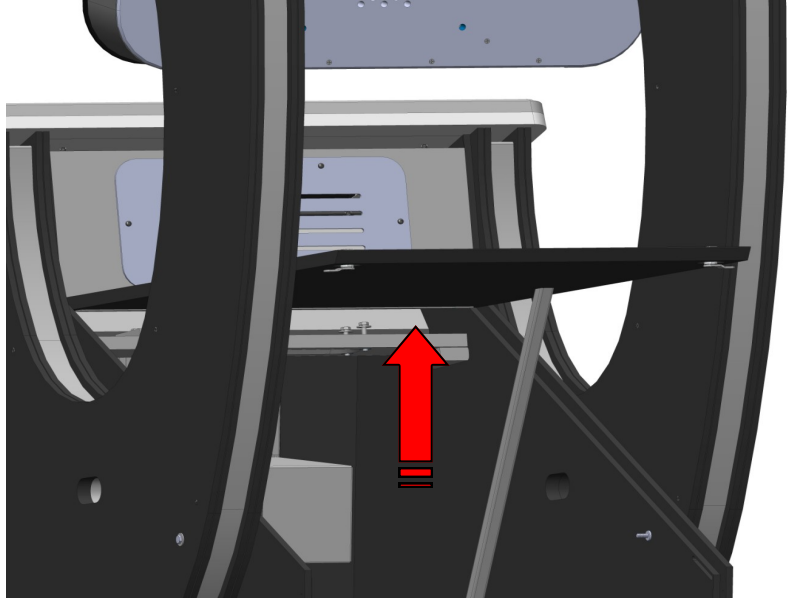


Turn to DC voltage check

Ground Probe:
Connect to GND on power supply
(Black wire to power supply)

Computer Removal

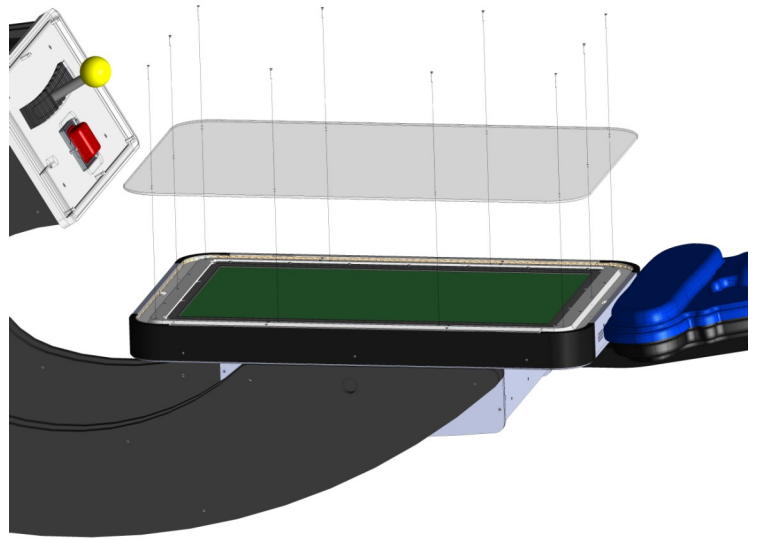
The computer is accessed through the bottom back panel. Unlock the bottom locks and lift the panel up. Locate the panel door prop and raise it so that it will support the back access panel up. There are two straps which hold the computer to the cabinet floor. Press both buttons shown with the arrows below to release each strap. Disconnect the computer connections before removing.



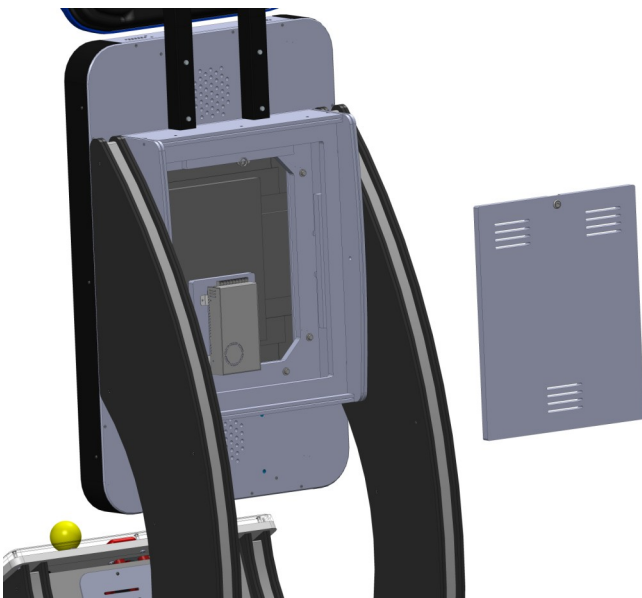
Monitor Replacement

It is recommended to have a second person assist in the removal of the monitor.

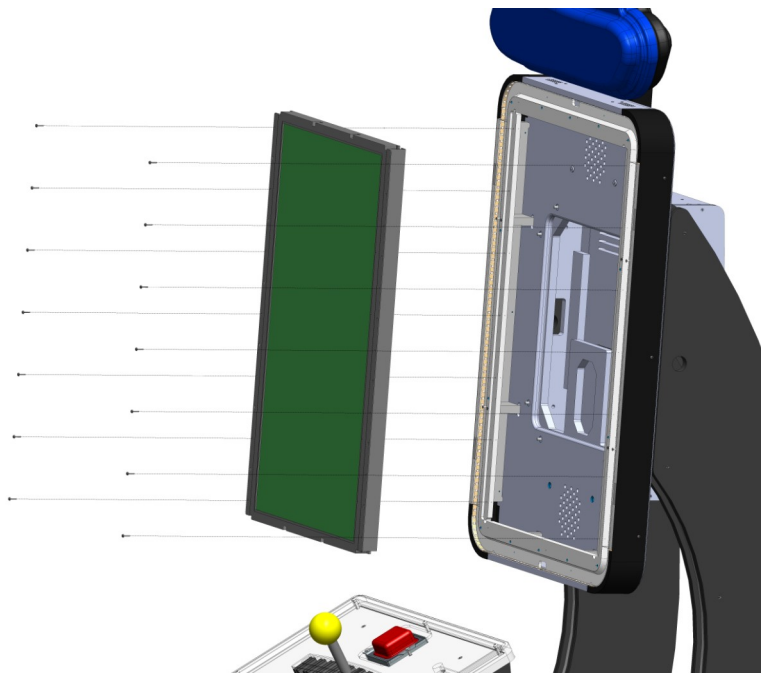
Begin by laying the game on its back. Remove the front glass by removing the 10 screws shown. Lift the game upright again.



Remove the back cover and disconnect the DC power from the +24 volt power supply and the DVI video cable to the monitor.

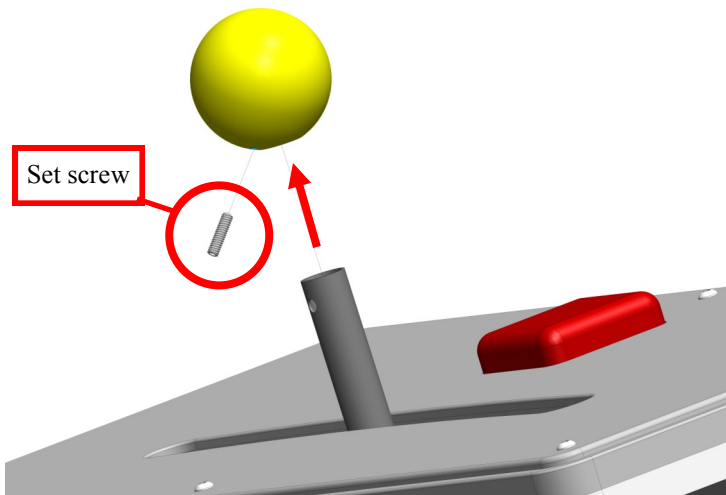


Remove the 14 screws holding the monitor to the cabinet. With a second person, push slightly from the back while someone from the front catches the monitor at the bottom as it slides out.



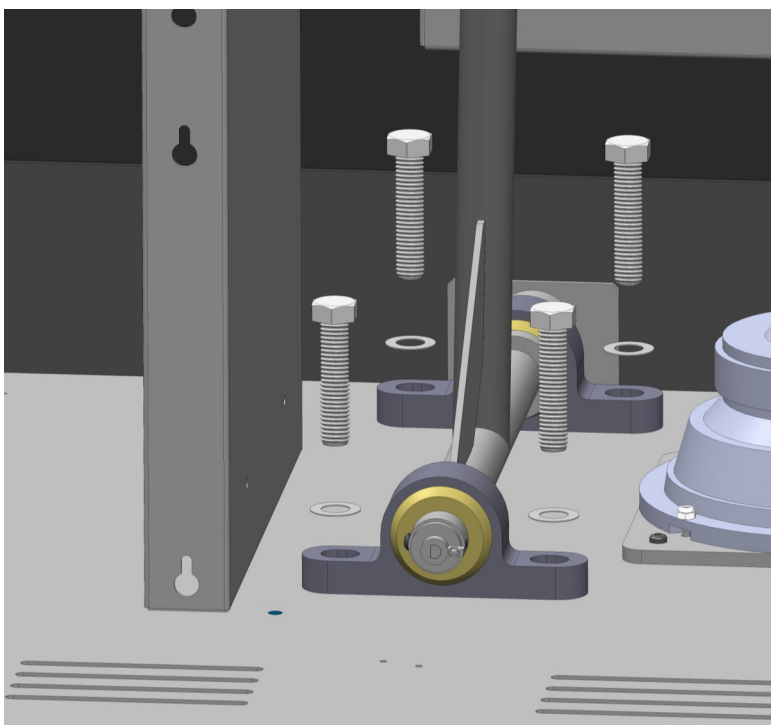
Player rod removal

Remove the top ball by removing the set screw and lifting the ball up.

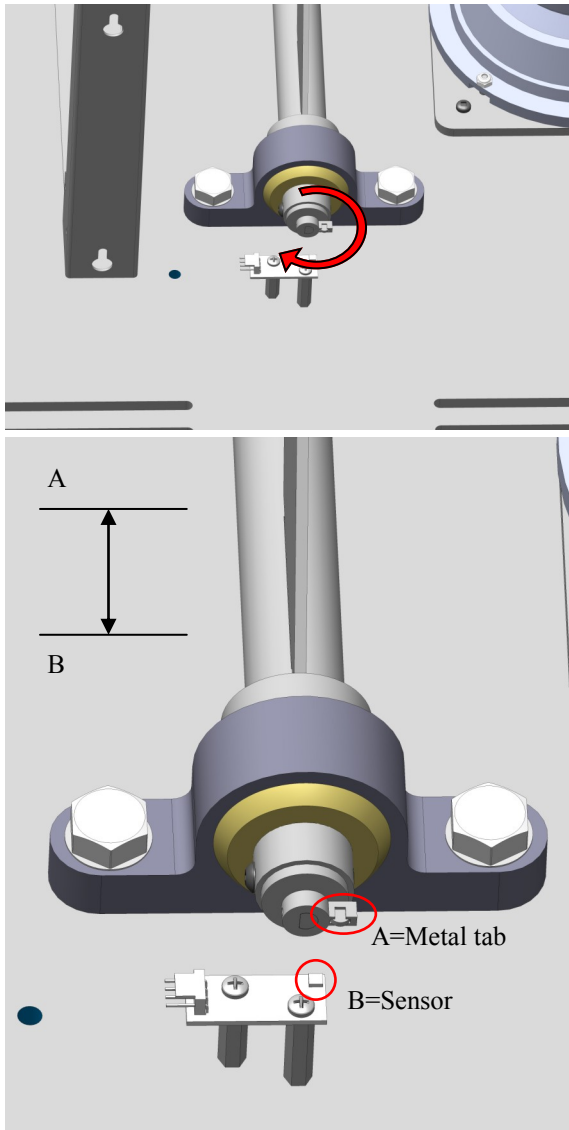


Unlock the bottom locks and lift the panel up. Locate the panel door prop and raise it so that it will support the back access panel up.

Remove the four bolts and washers to remove rod assembly.



Service - Player Controls



Hall Effect Sensor

The hall effect sensor measures the magnetic strength between the metal tab and the sensor. As the play rod turns the rod back and fourth, the distance between the metal tab and sensor increases and decreases. The sensor reads this field and compares it to the calibration table to determine if you are moving left or right. If you are unable to move the character left or right, perform a calibration by following the directions on page 8 under diagnostics.

Also check for the presents of +5 volts DC on pin 1 (red wire) of the hall effect sensor itself.

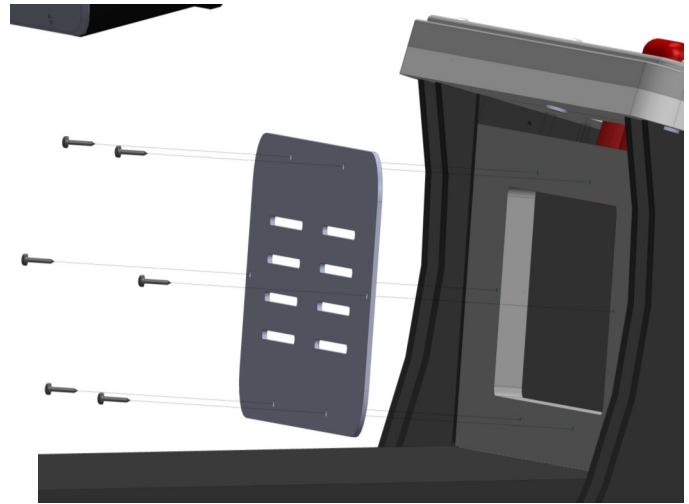
Pin 2 is the output and should have voltage that changes depending on the position of the player rod.



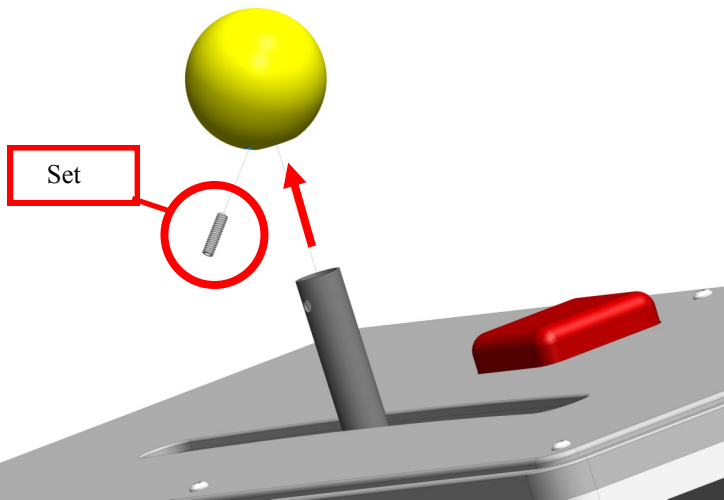
Control Panel LED Access

To gain access to the wiring of the control panel LED's you need to remove the small grill located at the back of the control panel.

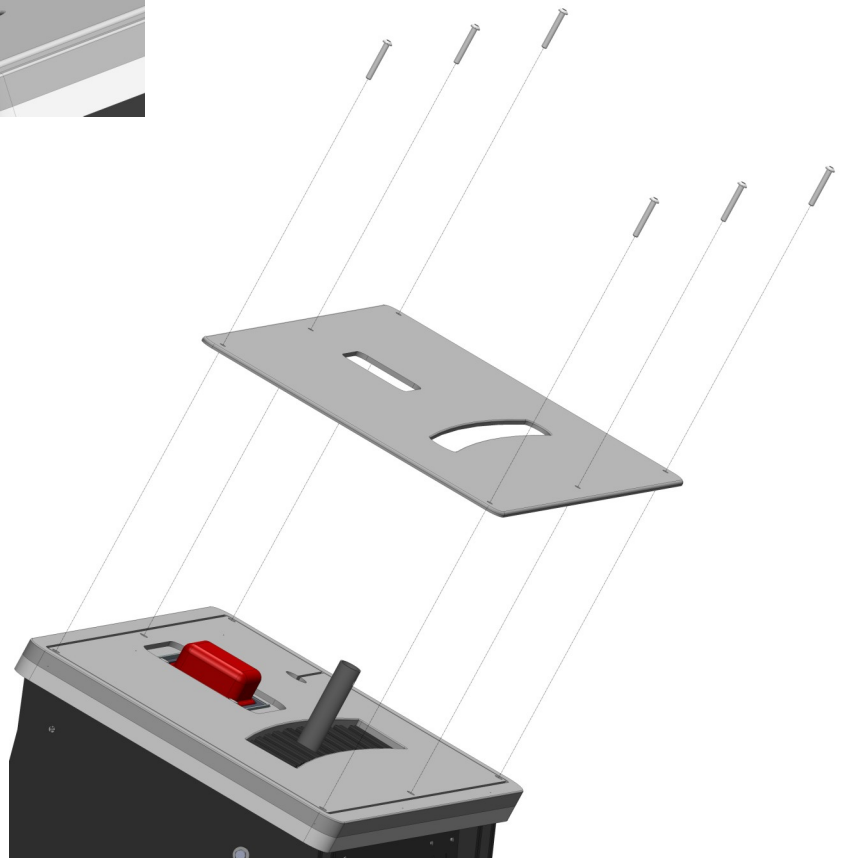
There is six screws holding the back grill to the control panel. Remove them to remove the access panel.



Remove the top ball by removing the set screw and lifting the ball up.



Remove the six bolts that hold the control panel's top to the cabinet. You can now access the LEDs in the control panel.



Spares: Electrical

BX2000DJX -	Main computer
DJ2090X -	Restore disk
BX2034X -	I/O Board
DJ3024X -	Joystick ball
DJ7127X -	Marquee assembly
CX8384X -	Ballast Workhorse 5
HH5005 -	Ticket Dispenser
IA2010 -	+12 Power supply
MON42LCD -	42" LCD monitor
PE2010X -	+5 volt regulator supply
DJ2039 -	Hall effect sensor
FP2007 -	Speaker
DJ2007 -	Speaker
E00724DJAX -	135 count RGB color LED
E00724DJA -	108 count RGB color LED
CG2027 -	Power cord
2111 -	Computer power relay
E00732 -	Start button red LED board.
BX2006X -	Start button assembly
XFE25.002080 -	USB cable.
E00474 -	DVI cable.
E00233 -	Audio cable.
E00139-36w PL-L -	PLL bulbs, 36w.
MON42/47ORCH -	A/D board
MON42/47PS -	Power supply for monitor
DJ2014	Dongle
TX2007X	Power mod

Graphics:

DJ7000	Cabinet left side.
DJ7001	Cabinet right side.
DJ7002	Ticket Door decal
DJ7004	Front cabinet logos
DJ7012	Control Panel
DJ7027	Marquee Vacuum Formed decal.
201	Chrome T-molding
211	Black T-molding
5014	#45 lock
BX3004	Pillow block
BX3008	Square button

*** Refer to wiring diagram for harness part numbers ***



WARRANTY POLICY

I.C.E. Inc warrants all components in new machines to be free of defects in materials and workmanship for the period listed below:

- 180 days on Main PCB's, Computers & Motors
- 1 year on all LCD monitor panels
- 90 days on all other electronic and mechanical components
- 30 days on all I.C.E. repairs and parts purchases

I.C.E. Inc shall not be obligated to furnish a warranty request under the following conditions:

- Equipment or parts have failed through normal wear and tear
- Equipment has been subjected to unwarranted stress, abuse or neglect
- Equipment has been damaged as a result of arbitrary repair/modification

Products will only be covered under warranty by obtaining an I.C.E. authorized RMA #. To obtain an RMA # please provide I.C.E. tech support with the game serial # or original I.C.E. invoice # and a detailed description of the failure or fault symptoms.

I.C.E. Inc will assume no liability whatsoever for costs associated with labor or travel time to replace defective parts. All defective warranty covered components will be replaced with new or factory refurbished components equal to OEM specifications.

I.C.E. Inc will cover domestic UPS ground, or comparable shipping costs during the warranty period. International or expedited shipments are available for an additional charge. To obtain credit defective parts must be returned to I.C.E. Inc, at the customer's expense, within 30 days. After 30 days a 15% re-stocking fee will apply to all returns.

ICE distributors are independent, privately owned and operated. In their judgment, they may sell parts and/or accessories other than those manufactured by I.C.E. Inc. We cannot be responsible for the quality, suitability or safety of any non-I.C.E. part or modification (including labor) that is performed by such a distributor.

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