

ATTENTION:

OBSERVE PRECAUTIONS FOR HANDLING ESD-SENSITIVE DEVICES

Removal/Installation of Major Assemblies - Ion eVo/eVo Walleto/Elite Edge

15" Monitor Removal

1. Turn off and unplug the game.
2. Place something in front of the game to brace the bezel once the strain relief cord is undone, then unlock and open the CPU section.
3. Remove the screw and washer fastening the strain relief cord, then remove the remaining 5 screws fastening the LCD mounting bracket to the game. The key socket ground wire will also be removed in the process. See Figure 1.

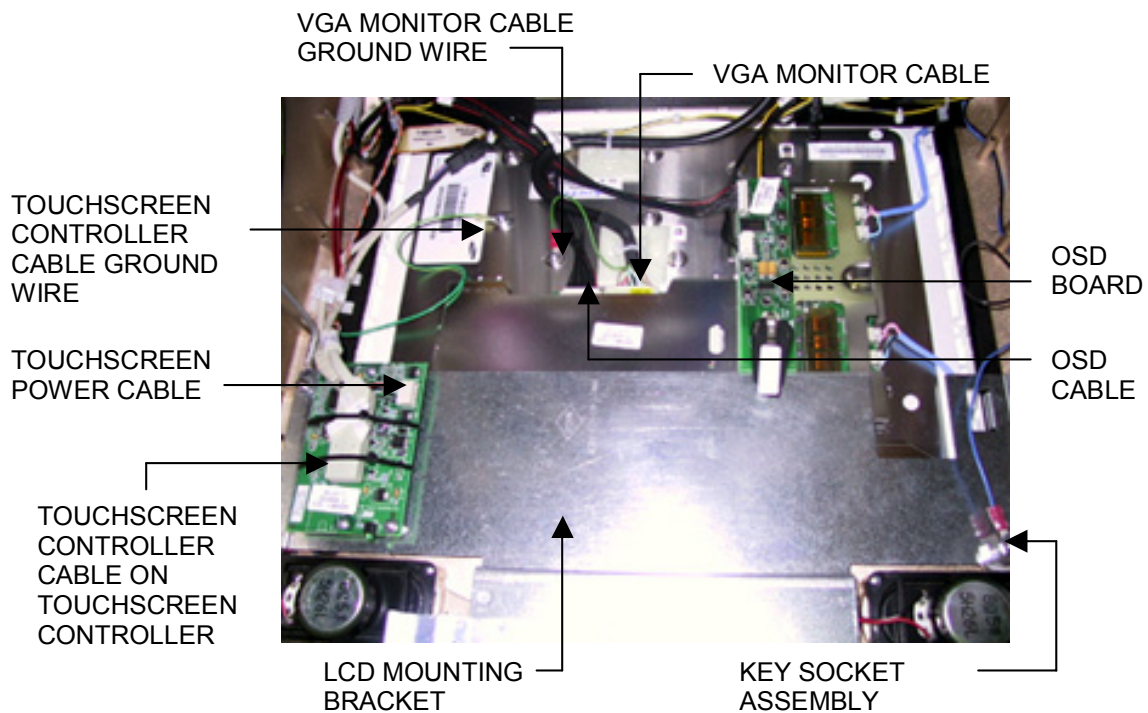


FIGURE 1 - CLOSE-UP OF CPU SECTION

4. Remove the nut, wire and bolt from the key socket assembly located on LCD mounting bracket, then remove the bracket. See Figure 1.
5. Carefully cut the tie wraps around the VGA monitor cable and remove the ground wire. Disconnect the cable from the monitor and the motherboard. See Figure 1. Unscrew the bracket on the underside of the I/O board to release the cable.
6. Remove the OSD cable from the twist clamp and disconnect it from the OSD board and the monitor. Then remove the OSD board from the Velcro attached to the back of the monitor and set it aside. See Figure 1.

Troubleshooting Information - Removal/Installation of Major Assemblies - Ion eVo/eVo Walleto/Elite Edge

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**Removal/Installation of Major Assemblies -
Ion eVo/eVo Walleto/Elite Edge (cont'd)**

7. Disconnect the LCD power connector (black and yellow wires). See Figure 2.

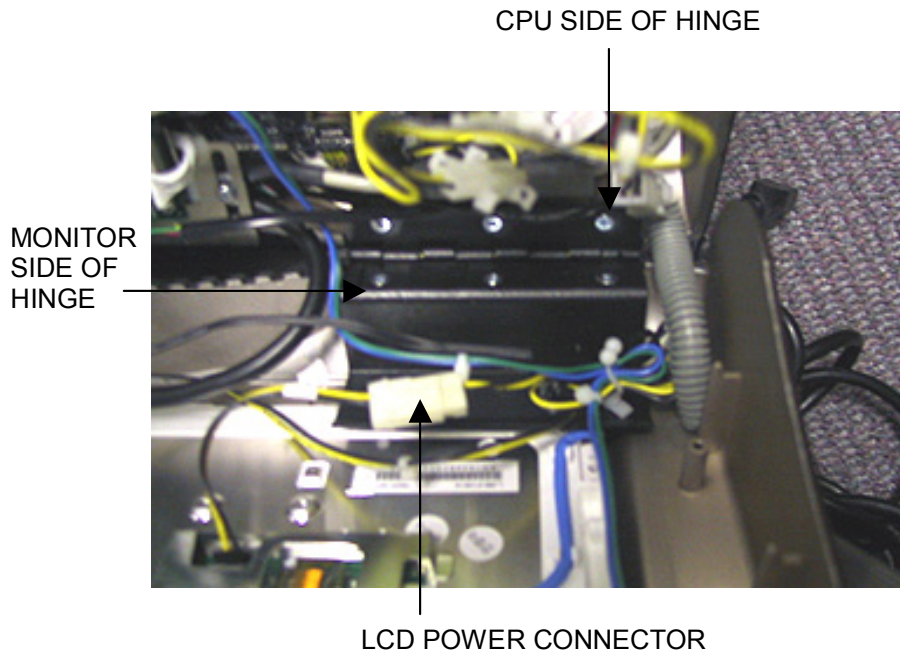


FIGURE 2 - CLOSE-UP OF MONITOR HINGE

8. Carefully cut the tie wrap around the touchscreen controller cable and disconnect the cable from the touchscreen controller. Also remove the ground wire. See Figure 1.
9. Disconnect the touchscreen power cable from the touchscreen controller (see Figure 1), then disconnect the Molex connector identified by the orange and gray wires.
10. Loosen the 6 screws (3 per hinge) on the monitor side of the hinges in order to raise the hinges and allow room to remove the monitor. See Figure 2.

NOTE: Elite Edge games may require you to remove the joystick in order to allow the necessary room for loosening of the hinge screws. To remove the joystick, carefully place the game on its side. Remove the 2 screws securing the protective bracket on the bottom of the game and remove the bracket. Disconnect the joystick connector and remove the joystick. Return the game to its upright position.

11. Slide the monitor out of the bezel.
12. If you will not be reusing the existing touchscreen, continue with installing the new monitor. If you will be reusing the touchscreen, note the orientation of the screen (i.e. the positioning of the ribbon cable and which side is the front) before removing it from the monitor. Then use dental floss to carefully cut the foam tape holding the screen to the monitor. Once the touchscreen is completely free from the monitor, remove any residual foam tape from the screen with denatured alcohol and clean the glass with the supplied alcohol wipe.

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Removal/Installation of Major Assemblies - Ion eVo/eVo Walleto/Elite Edge (cont'd)

15" Monitor Installation

1. If you will not be using the touchscreen from your original monitor, skip to step 3. If you will be using the original touchscreen, clean the glass on the new LCD monitor with the supplied alcohol wipe, then cut pieces of the supplied 1/2" foam tape long enough to cover each edge of the monitor without overlapping. After the tape is in place on the monitor, peel off the backing.
2. Carefully place the touchscreen over the monitor in the same manner it was attached to the old monitor, making sure the screen is properly and evenly aligned over the glass. Clean the front of the touchscreen with the supplied alcohol wipe once it is in place.
3. Carefully slide the new monitor into the bezel, making certain that the white edge of the monitor and the monitor wire connections are facing the bottom of the bezel. Ensure that the monitor is properly centered, then tighten the hinge screws. See Figure 2.

NOTE: If you removed the joystick on your Elite Edge, carefully return the game to its side and reconnect the joystick to the connector in the game. Place the protective bracket in its previous position, sliding it under the lazy Susan and making sure the cutouts are placed around the installed screws. Make sure all wires are secured inside the bracket, then reinstall the 2 screws securing the bracket. Return the game to its upright position.

4. Install the supplied LCD mounting bracket and fasten it to the game with the 6 screws. One screw (and washer) will fasten the strain relief cord, while another will secure the blue ground wire for the key socket. See Figure 1.
5. Replace the key socket assembly by securing the bolt, green wire and nut over the LCD mounting bracket. See Figure 1.
6. Connect the touchscreen controller cable to the touchscreen controller and secure it with a tie wrap. Also restore the touchscreen controller cable ground wire. See Figure 1.
7. Connect the touchscreen power cable to the touchscreen controller (see Figure 1) and reconnect the Molex connector (orange and gray wires).
8. Connect the LCD power connector (black and yellow wires). See Figure 2.
9. Reattach the OSD board to the Velcro on the back of the monitor, then connect the new OSD cable to both the OSD board and the monitor. See Figure 1. Secure the cable in the twist clamp.
10. Connect the new VGA cable to both the monitor and the motherboard. Run the cable beneath the I/O board mounting plate and secure it in place with the bracket and 2 screws. See Figure 3. Also replace the ground wire.

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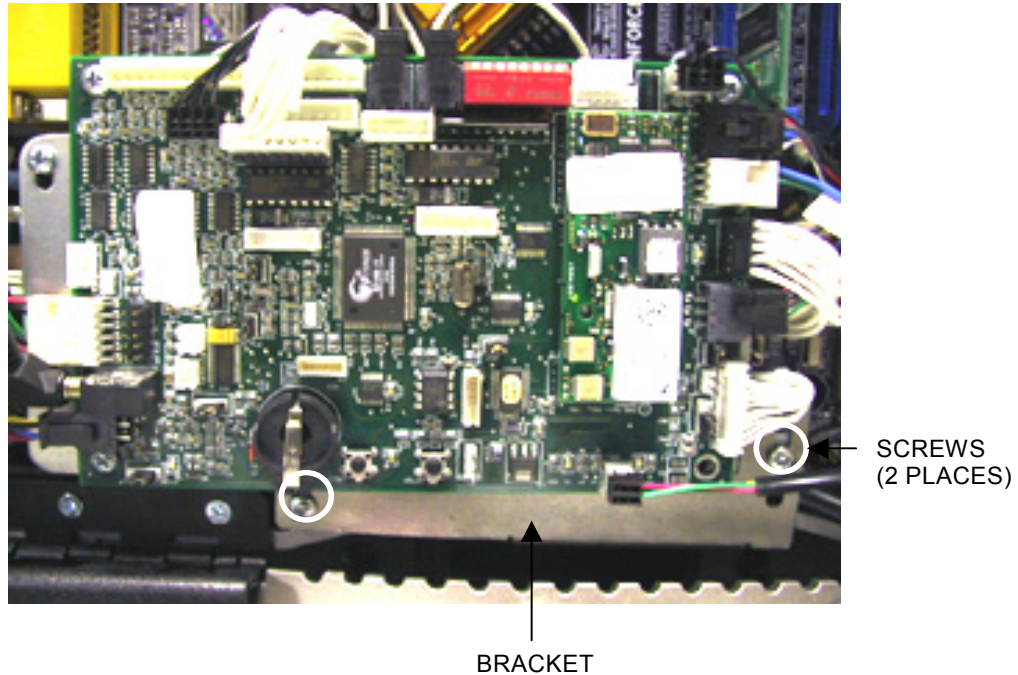


FIGURE 3 - BRACKET AND SCREWS SECURING VGA MONITOR IN PLACE

11. Tie wrap the VGA monitor cable and the OSD cable.
12. Close and lock the CPU section.
13. Plug in and turn on the game.

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**Removal/Installation of Major Assemblies -
Ion eVo/eVo Walleto/Elite Edge/Megatouch Entertainer**

17" Monitor Removal

1. Turn off and unplug the game.
2. Unlock and open the CPU section.
3. *Very carefully* cut the tie wraps securing the touchscreen controller cable to the touchscreen controller. Then, disconnect the cable from the touchscreen controller. See Figure 4.
4. Release the touchscreen controller ribbon cable from the cable clamp.
5. Cut the tie wrap securing the touchscreen controller cables and speaker wires on the back of the monitor (see Figure 4).
6. Cut the tie wrap securing the orange and gray wires and ground wire from the touchscreen controller and the OSD cable. See Figure 4.
7. Remove the touchscreen controller cable, the orange and gray wires (from the touchscreen controller) and the OSD board cable from the cable twist lock. See Figure 4.

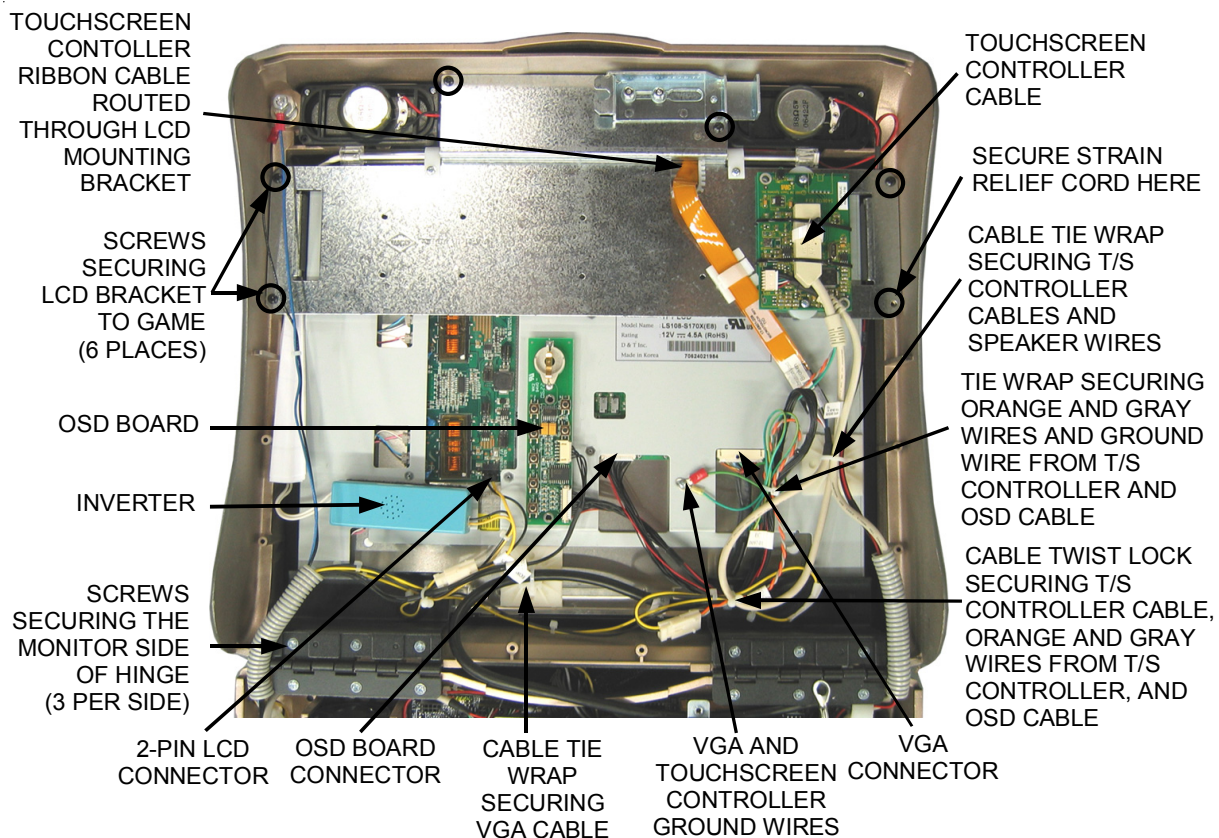


FIGURE 4 – FORESEESON MONITOR IN 17" ION COUNTERTOP GAME

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Removal/Installation of Major Assemblies - Ion eVo/eVo Wallette/Elite Edge/Megatouch Entertainer (cont'd)

8. Carefully remove the 2 screws securing the touchscreen controller to the LCD mounting bracket. Carefully remove the controller and the nylon spacers underneath (if applicable). Set the controller aside.
9. Disconnect the 2-pin LCD connector, the OSD connector and the VGA connector from the back of the monitor. See Figure 4.
10. Remove the screw and washer securing the VGA and touchscreen controller ground wires to the back of the monitor. See Figure 4.
11. Remove the OSD board and inverter from the Velcro attached to the back side of the monitor and set them aside. See Figure 4.
12. Place something in front of the game to brace the bezel once the strain relief cord is undone, then remove the screw and washer securing the strain relief cord. See Figure 4.
13. Remove the remaining 5 screws fastening the LCD mounting bracket to the game. See Figure 4.
14. Route the touchscreen controller cable through the hole in the LCD mounting bracket and set the LCD mounting bracket aside.
15. Loosen the 6 screws on the monitor side of the hinges (3 screws per hinge) in order to raise the hinges and allow enough room to remove the monitor. Be careful to keep the hinge spacers in place beneath the hinges.
16. Carefully remove the monitor from the bezel.
17. If you will be reusing the existing touchscreen, note the orientation of the screen (i.e. the positioning of the ribbon cable and which side is the front) before removing it from the LCD monitor. Then, use dental floss to carefully cut the foam tape holding the touchscreen to the monitor until you are able to completely remove the screen. You will need to place the touchscreen on a stable surface until it is installed on the new monitor. Then remove any residual foam tape from the reverse side of the screen with denatured alcohol.

17" Monitor Installation

18. Clean the glass on the new monitor with the supplied alcohol wipe, then cut pieces of the supplied 1/2" foam tape long enough to cover each edge of the monitor without overlapping. After the tape is in place on the monitor, peel off the backing.
19. Carefully place the supplied or existing touchscreen over the monitor in the same manner it was attached to the old monitor, making sure the screen is properly and evenly aligned over the glass. Clean the front of the touchscreen with the supplied alcohol wipe once it is in place.
20. Carefully place the new monitor into the bezel so that the monitor connections are nearest to the hinges. Make sure the monitor is properly centered.

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Removal/Installation of Major Assemblies - Ion eVo/eVo Walleto/Elite Edge/Megatouch Entertainer (cont'd)

21. Route the touchscreen controller cable through the hole in the LCD mounting bracket (Figure 4).
22. Fasten the strain relief cord under the LCD mounting bracket screw designated in Figure 4. Replace the remaining 5 screws securing the mounting bracket to the bezel. See Figure 4.
23. Tighten the 3 screws per hinge that were loosened during removal of your old monitor. See Figure 4. Make sure the spacers beneath the hinges are aligned correctly as you tighten the screws.
24. Carefully attach the cable to the touchscreen controller, making sure that the cable's pins are correctly aligned. Secure the cable in place using the 2 provided black tie wraps.
25. Install the 2 existing nylon spacers on the standoffs where the touchscreen controller will be mounted (see Figure 4). If your touchscreen controller did not have nylon spacers, install the 2 provided spacers. Then, secure the touchscreen controller to the standoffs on the LCD mounting bracket using the existing screws.
26. Secure the ribbon cable from the touchscreen controller in the cable clamp on the LCD mounting bracket. See Figure 4.
27. Add the "loop" side of the provided Velcro (the mating side of the Velcro attached to the OSD board and inverter) to the back of the monitor in the same locations as the old monitor. Replace the OSD board and inverter on the Velcro.
28. Connect the 2-pin LCD connector to the back of the monitor. See Figure 4.
29. Connect the OSD connector to the monitor. See Figure 4.
30. Connect the VGA monitor connector to the monitor. See Figure 4.
31. Replace the screw and washer securing the VGA and touchscreen controller ground wires to the back of the monitor. See Figure 4.
32. Replace the touchscreen controller cable, the orange and gray wires (from the touchscreen controller) and the OSD board cable in the cable twist lock as shown in Figure 4.
33. Adhere the provided cable tie wraps to the back of the monitor in the same locations as the old monitor.
34. Thread the provided tie wrap through the adhesive cable tie wraps just installed and secure the touchscreen controller wires and OSD cable wires in the cable tie wrap shown in Figure 4. Secure VGA cable in the other cable tie wrap in the same fashion.
35. Dress the remaining wires using the supplied tie wrap.
36. Close and lock the CPU section.
37. Plug in and turn on the game.