MEGATOUCH

Foreseesons Monitor
Installation Instructions

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15" Foreseesons Monitor Replacement

CONTENTS:

QTY	PART NUMBER	DESCRIPTION
1	SB0016-01	TAPE KIT
1	EC9388-06	15" FORESEESONS MONITOR
1	MW0740-03	LCD MOUNTING BRACKET
2	MW0781-02	OVERBENT HINGE
3	HW8811	SHORT TIE WRAP
2	HW8825	LONG TIE WRAP
3	HW8859-01	ADHESIVE TIE-DOWN
1	HW9252-03	VELCRO
1	HW4367-02	HARD DRIVE MOUNTING SCREW
1	HW3150	KEPNUT
2	HW3799-03	GROUND WIRE SCREW
2	HW5150-03	WASHER
2	MW0980-01	HINGE SPACER
1	EC0093-01	12 VDC POWER CABLE
1	EC0097-01	OSD CABLE
1	EC0096-01	VGA CABLE

NOTE: This manual contains separate instructions for the two distinct cabinet types pictured in Figure 1. If your game has a raised lip at the top, as shown at left in the figure, refer to the instructions beginning on page 2. If no lip appears at the top of your game, as shown at right in the figure, refer to the instructions beginning on page 6. All Ion games feature a raised lip, while FORCE games vary.
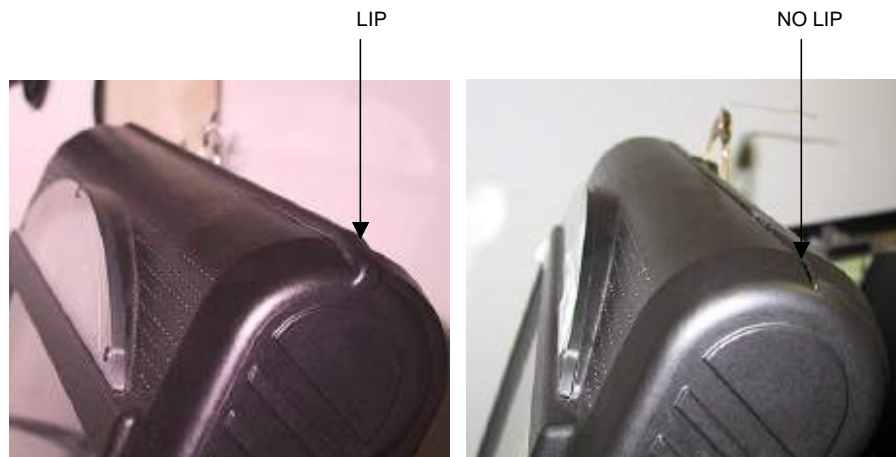
Cabinet Identification:

LIP   NO LIP

FIGURE 1 – COUNTERTOP CABINET COMPARISON

Cabinets with Lip:

NOTE: Existing monitors can be identified as either Foreseesons (FSN) or Samsung models by the manufacturer's sticker affixed to the back of the monitor.

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 in step 3, 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. A ground wire may also become unsecured in the process. See Figure 2.

4. ***Ion games only:*** Remove the nut, wire, mounting nut and center contact button from the dongle socket assembly located on the LCD mounting bracket.

   Force and Ion games: Carefully remove the tie wrap(s) securing the touchscreen controller wires to the monitor.

5. Carefully remove the tie wraps around the VGA monitor cable, then disconnect the cable from the monitor and remove the ground wire (a second ground wire may also be secured in the same location). See Figure 2.
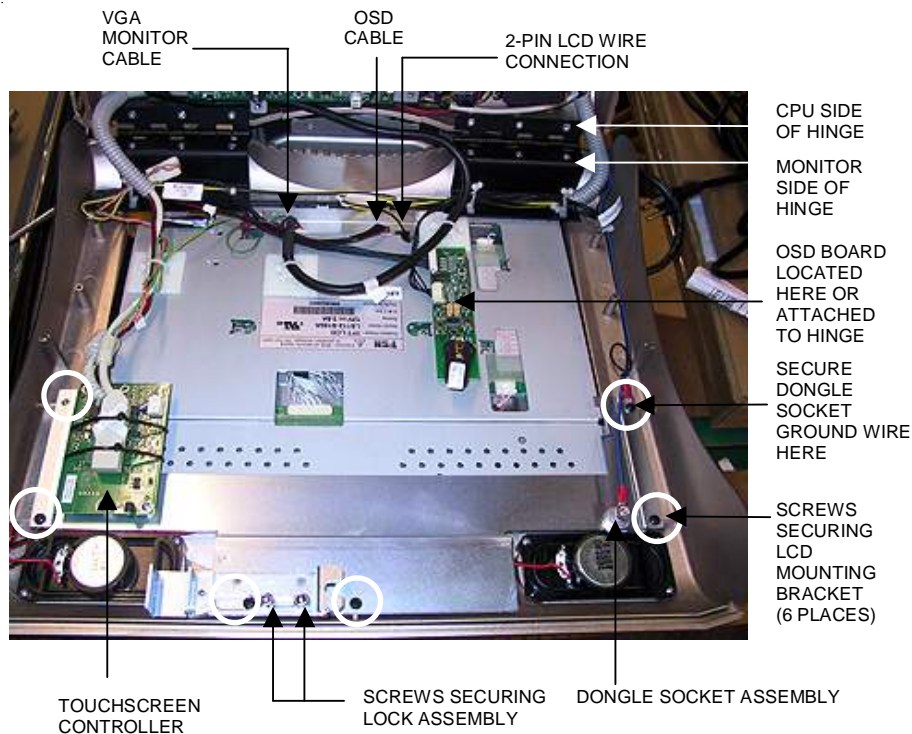

FIGURE 2 – FORESEESONS MONITOR IN ION COUNTERTOP GAME

6. Disconnect the OSD board cable from the monitor and if applicable, remove it from the twist clamps on the hinges. Then remove the OSD board from the Velcro attached to either the hinge or the back of the monitor and set it aside. See Figure 2.

7. Disconnect the 2-pin LCD wire connection from the monitor. See Figures 2 and 3.

8. Remove the touchscreen controller ground wire. It will be located below the hard drive if the controller is secured to the hard drive mounting plate. If the controller is mounted to the LCD mounting bracket, it will be located on the reverse side of the monitor. Refer to Figures 3 and 4.

9. Remove any wires connected to the touchscreen controller from wire ties, clamps and/or the corrugated loom alongside the bezel edge. See Figure 4.

10. Remove the screw(s) fastening the touchscreen controller to either the mounting plate over the hard drive or the LCD mounting bracket, then set the controller aside.

NOTE: Compare your existing LCD mounting bracket to the LCD mounting bracket sent with the kit. If they are identical, the supplied bracket is not required and you may skip to step 12.

11. Remove any foam tape secured to the LCD mounting bracket. Then, remove the lock assembly from the LCD mounting bracket, taking note of the assembly position and movement.

   Ion games only: Remove the 3 plastic standoffs from the old bracket for use with the supplied bracket.

12. **If you are replacing an existing Foreseesons monitor:** 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
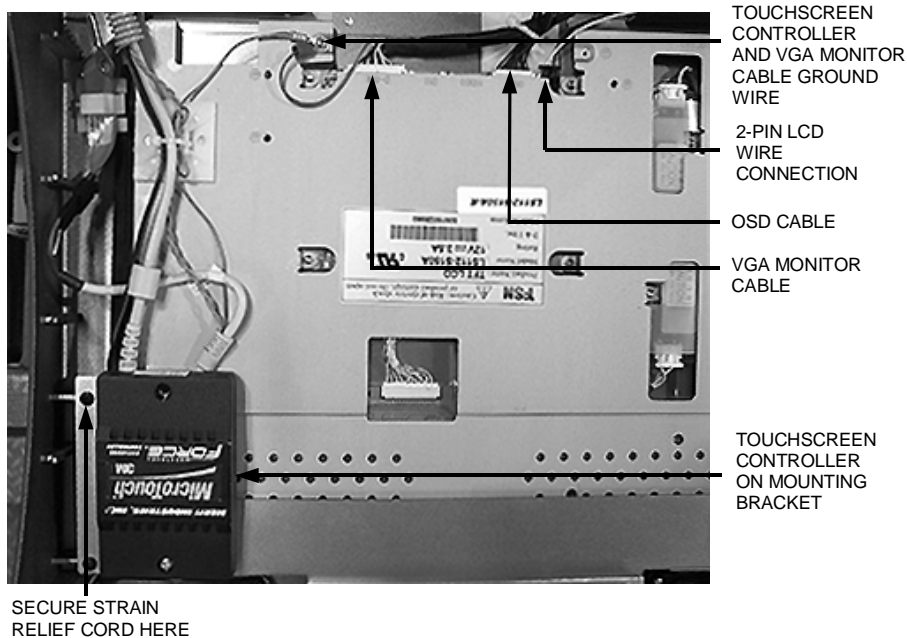

FIGURE 3 – FORESEESONS MONITOR IN FORCE COUNTERTOP GAME

remove the monitor. Be careful to keep the hinge spacers in place beneath the hinges.

If you are replacing an existing Samsung or Kortek monitor: Free the hinges from the CPU section and bezel of the game by removing all 12 screws found on the 2 hinges (6 screws per hinge). Also, remove any foam tape that may appear on the hinges. The foam will not be reused.

13. Carefully remove the monitor from the bezel.

14. Note the orientation of the touchscreen (i.e., the positioning of the ribbon cable and which side is the front) and carefully remove it from the monitor. Use dental floss to carefully cut the foam tape holding the touchscreen in place. Once the touchscreen is completely free from the monitor, remove any residual foam tape from the screen with denatured alcohol.

Monitor Installation

15. 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 gaps and also without overlapping. After the tape is in place on the monitor, peel off the backing.

16. 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.

17. 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.

NOTE: If your existing LCD mounting bracket was identical to the supplied LCD mounting bracket, skip to step 19.

18. Install the lock assembly into the supplied LCD mounting bracket.

   Ion games only: Install the plastic standoffs into the supplied LCD mounting bracket.

19. *FORCE games only:* Use the supplied screw and kepnut to mount the controller to the LCD mounting bracket which contains the lock assembly. Use the screw hole on the bracket that is closer to the edge of the bezel for mounting. See Figure 3.

   Ion games only: Install the touchscreen controller to the standoffs on the LCD mounting bracket using the 3 screws removed with the controller in step 10.

20. Fasten the LCD mounting bracket and touchscreen controller to the bezel with the 6 existing screws.

21. **If you replaced a Foreseesons monitor:** Tighten the 3 screws per hinge that were loosened during removal of your old monitor. Make sure the spacers beneath the hinges are aligned correctly as you tighten the screws. With the existing spacers in place, you will not need the spacers provided in the kit.

   If you replaced a Samsung or Kortek monitor: Place the provided hinge spacers underneath the existing hinges, between the monitor side of the hinge and the front bezel of the game. Secure the hinges and spacers to the front bezel using 3 screws per hinge. Use the 6 remaining screws to secure the 2 hinges – with front bezel attached – to the CPU section of the game. See Figure 2.

22. Fasten the strain relief cord under the LCD mounting bracket screw designated in Figure 3.

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Ion games only: Fasten the dongle socket ground wire to the LCD mounting bracket screw designated in Figure 2. Then replace the dongle socket assembly by replacing the center contact button, mounting nut, wire and nut over the LCD mounting bracket.

23. Connect the 2-pin LCD wire connection to the reverse side of the monitor. See Figures 2 and 3. If your existing cable is not compatible with the new monitor, use the supplied cable.

24. Attach the supplied strip of Velcro to the back of the new monitor or hinge (wherever your old OSD board was mounted) then attach the OSD board to the Velcro. See Figure 2.

25. Connect the OSD cable to the monitor and secure it with the twist clamps. See Figures 2 and 3. If your existing cable is not compatible with the new monitor, use the supplied cable.

26. Connect the VGA monitor cable to the monitor, then secure the cable in place with adhesive tie-downs and tie wraps. See Figures 2 and 3. If your existing cable is not compatible with the new monitor, use the supplied cable.

27. Use an adhesive tie-down and tie wrap to secure the touchscreen controller wires, then secure the touchscreen controller and VGA monitor cable ground wires to the reverse side of the monitor with the supplied screw(s) and washer(s). See Figures 2 and 3.

28. Close and lock the CPU section.

29. Plug in and turn on the game. Perform a touchscreen calibration and ensure that the screen is properly aligned. Make any adjustments with the OSD board.
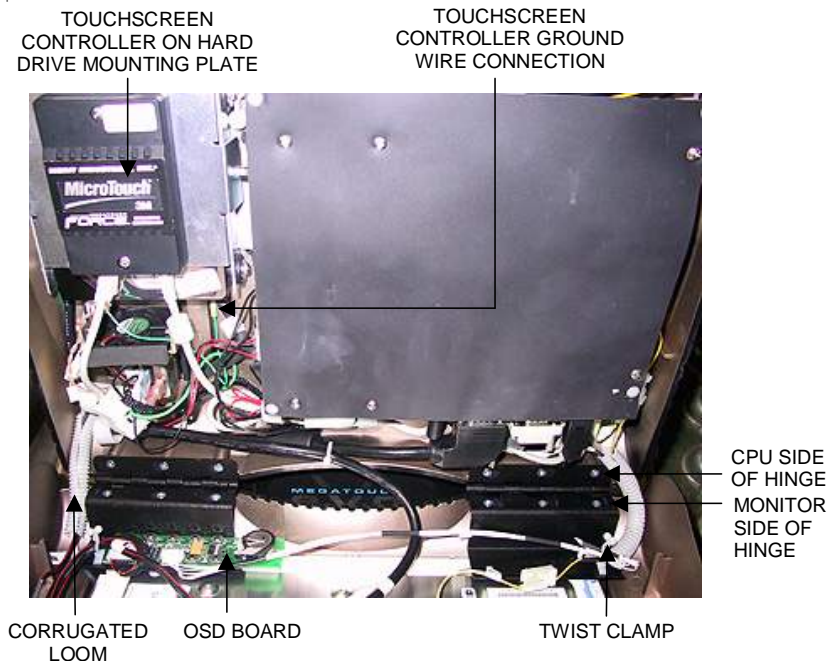

FIGURE 4 – CPU SECTION OF FORCE COUNTERTOP GAME

Cabinets with No Lip:

NOTE: Existing monitors can be identified as either Foreseesons (FSN) or Samsung models by the manufacturer's sticker affixed to the back of the monitor.

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 in step 3, 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 and set the bracket aside.

NOTE: If your touchscreen controller is mounted to the LCD bracket, remove the tie wrap(s) securing the touchscreen controller wires to the monitor.

4. Carefully remove the tie wrap(s) around the VGA monitor cable, then disconnect the cable from the monitor and remove the ground wire (a second ground wire may also be secured in the same location). See Figure 3.

5. Disconnect the OSD cable from the monitor and remove it from the twist clamps on the hinges. Then remove the OSD board from the Velcro attached to either the hinge or the back of the monitor and set it aside. See Figures 3 and 4.

6. Disconnect the 2-pin LCD connector from the monitor. See Figure 3.

7. Remove the touchscreen controller ground wire.

NOTE: The ground wire will be located below the hard drive if the touchscreen controller is secured to the hard drive mounting plate. If the touchscreen controller is mounted to the LCD mounting bracket, the ground wire will be located on the reverse side of the monitor. See Figures 3 and 4.

8. Remove any wires connected to the touchscreen controller from wire ties, clamps and/or the corrugated loom alongside the bezel edge. See Figure 4.

9. Remove the screw(s) fastening the touchscreen controller to either the mounting plate over the hard drive or the LCD mounting bracket, then set the controller aside.

NOTE: Compare your existing LCD mounting bracket to the LCD mounting bracket sent with the kit. If they are identical, the supplied bracket is not required and you may skip to step 11.

10. Remove the lock assembly from the LCD mounting bracket, taking note of the assembly position and movement.

11. **If you are replacing an existing Foreseesons monitor:** 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. See Figure 4.

   If you are replacing an existing Samsung or Kortek monitor: Free the hinges from the CPU section and bezel of the game by removing all 12 screws found on the 2 hinges (6 screws per hinge). Also remove the twist clamps from the hinges. See Figure 4.

12. Carefully remove the monitor.

13. Note the orientation of the touchscreen (i.e., the positioning of the ribbon cable and which side is the front) and carefully remove it from the monitor. Use dental floss to cut the foam tape holding the touchscreen in place. Once the touchscreen is completely free from the monitor, remove any residual foam tape from the screen with denatured alcohol.

Monitor Installation

14. 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.

15. 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.

16. 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.

NOTE: If your existing LCD mounting bracket was identical to the supplied LCD mounting bracket, skip to step 18.

17. Install the lock assembly into the supplied LCD mounting bracket.

18. Use the supplied screw and kepnut to mount the controller to the LCD mounting bracket which contains the lock assembly. Use the screw hole on the bracket that is closer to the edge of the bezel for mounting. See Figure 3.

19. Install the LCD mounting bracket and fasten it to the bezel in 5 of the 6 provided screw locations. The remaining screw location will be used to fasten the strain relief cord in step 22.

20. **If you replaced a Foreseesons monitor:** Tighten the 3 screws per hinge that were loosened during removal of your old monitor.

    If you replaced a Samsung or Kortek monitor: Secure the 2 supplied hinges to the front bezel of the game using 3 screws per hinge. Next, use the 6 remaining screws to secure the 2 hinges – with front bezel attached – to the CPU section of the game. Insert the existing twist clamps into the outer, unused holes on the side of the hinge closest to the monitor.

21. Use the supplied adhesive tie-downs, tie wraps and/or the wire clamps in the game to secure the touchscreen controller wires. See Figure 3.

22. Fasten the strain relief cord to the remaining screw location on the LCD mounting bracket. See Figure 3.

23. Connect the 2-pin LCD wire connection to the monitor. If your existing cable is not compatible with the new monitor, use the supplied cable. See Figure 3.

24. Attach the supplied strip of Velcro to the back of the new monitor or hinge (wherever your old OSD board was mounted), then attach the OSD board to the Velcro. See Figure 2.

25. Connect the OSD cable to the monitor (see Figure 3) and secure it with the twist clamps on the hinges. If your existing cable is not compatible with the new monitor, use the supplied cable.

26. Connect the VGA monitor cable to the monitor, then secure the cable in place with adhesive tie-downs and tie wraps. See Figure 3. If your existing cable is not compatible with the new monitor, use the supplied cable.

27. Use an adhesive tie-down and tie wrap to secure the touchscreen controller wires, then secure the touchscreen controller and VGA monitor cable ground wires to the reverse side of the monitor with the supplied screw(s) and washer(s). See Figure 3.

28. Close and lock the CPU section.

29. Plug in and turn on the game. Perform a touchscreen calibration and ensure that the screen is properly aligned. Make any adjustments with the OSD board.

FORESEESONS MONITOR INSTALLATION INSTRUCTIONS
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