



LIFEBOOK T731

and Compatible Models

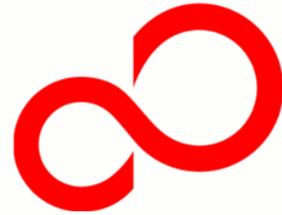
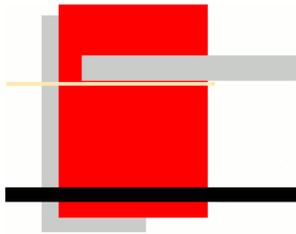
Authorized Service Provider Repair Guide

Make sure the LIFEBOOK is turned off before beginning this procedure

ESD guidelines were followed during the creation of the Authorized Service Provider Repair Guide. To learn more about ESD please refer to the Fujitsu America's Authorized Service Provider website.

Authorized Service Provider Repair Guides are created by

Lisa Brooks
Tony Fink



LIFEBOOK T731

Disassembly

ESD Precautions are required when working on this LIFEBOOK computer.
Make sure the LIFEBOOK is turned off before beginning this procedure.



1. Turn the LIFEBOOK over.



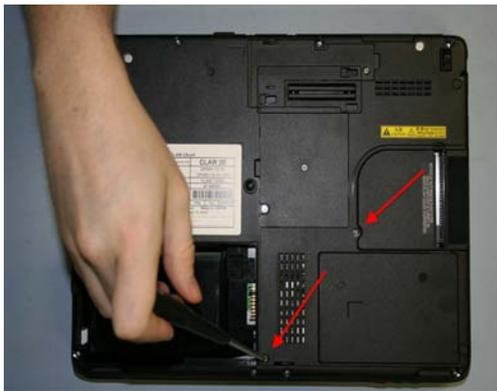
2. Remove the Battery.



3. Eject and remove the Optical Drive.



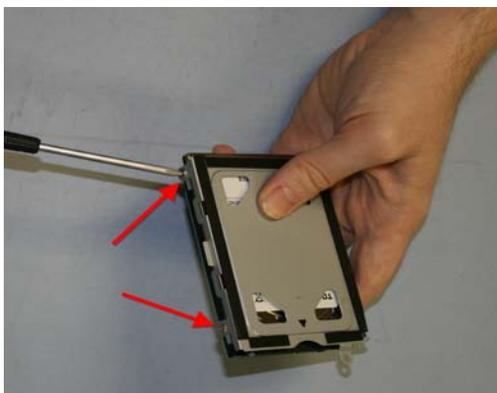
4. Remove the Dust filter.



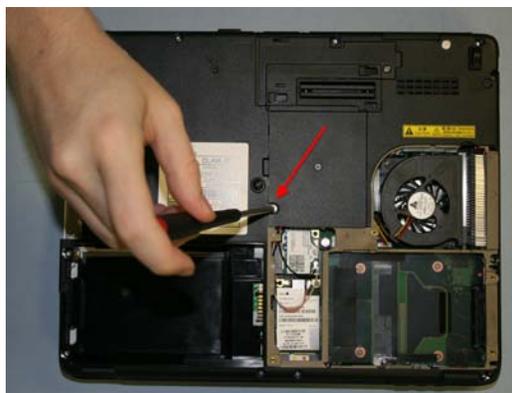
5. Remove 2 screws securing Hard Drive cover and remove the cover.



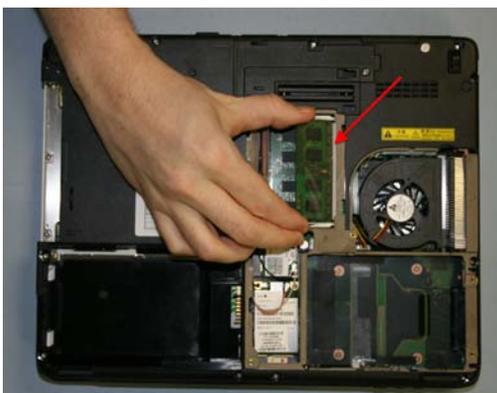
6. Remove 1 screw securing Hard Drive and remove the Hard Drive.



7. Remove 4 screws securing Hard Drive bracket (2 on each side).



8. Remove 1 screw securing memory cover and remove the cover.



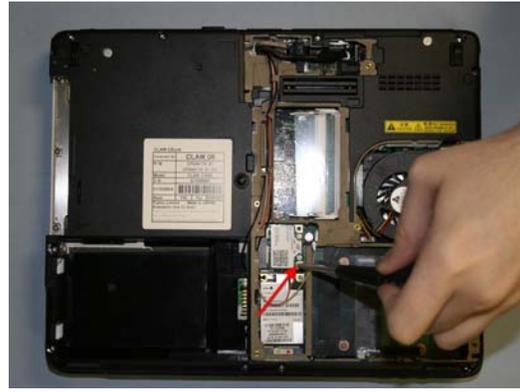
9. Release clips securing memory and remove the memory.



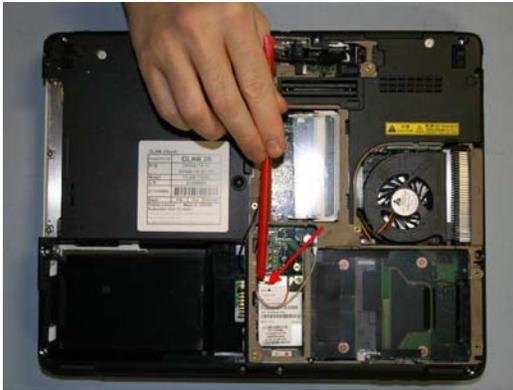
10. Remove 1 screw from the LCD cable cover and remove cover.



11. Disconnect cables from WLAN card.



12. Remove 1 screw securing WLAN card and remove card.



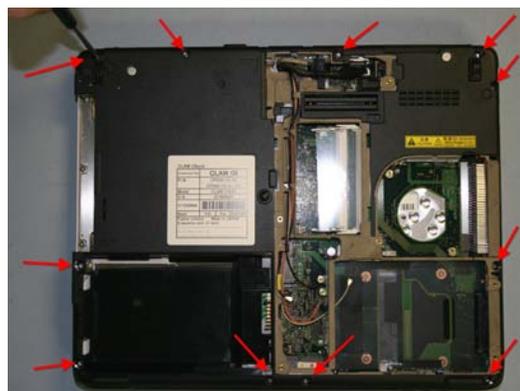
13. Disconnect Antennas from WWAN card.



14. Remove 1 screw securing WWAN card and remove card.



15. Remove 2 screws securing Fan and remove Fan.



16. Remove 11 screws securing Lower Assembly.



17. Remove screw covers from right and left sides of LCD.



18. Remove screws from right and left sides of LCD and remove front Hinge cover.



19. Remove rear Hinge cover.



20. Remove 1 screw securing Rotation board.



21. Remove Rotation board and Keyboard from System board.



22. Disconnect Rotation board from Keyboard.



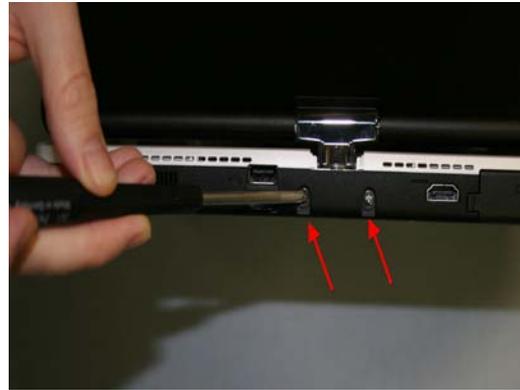
23. Lift up Bluetooth board and disconnect cable.



24. Disconnect USB cable from System board and USB board and remove cable.



25. Remove 2 screws securing Hinge.



26. Remove 2 screws from the rear securing the Hinge.



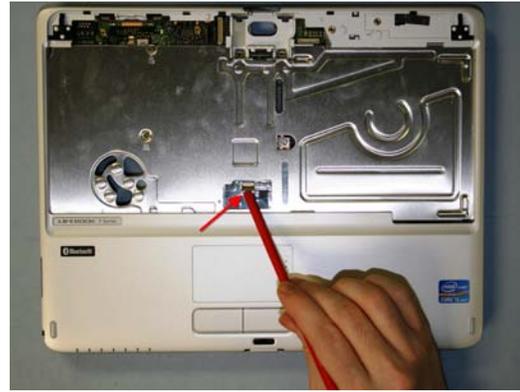
27. Unroute the Antennas.



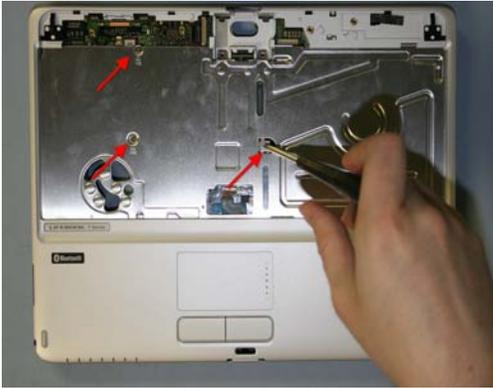
28. Disconnect LCD cables from the System board.



29. Remove LCD assembly from Lower assembly.



30. Disconnect Glidepoint cable from the System board.



31. Remove 3 screws securing the Upper cover.



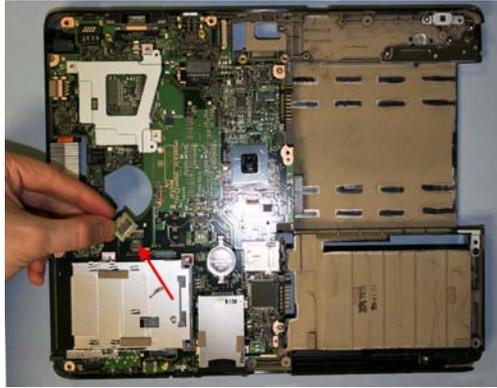
32. Remove Upper cover from the Lower assembly.



33. Remove 2 screws securing USB board and remove board.



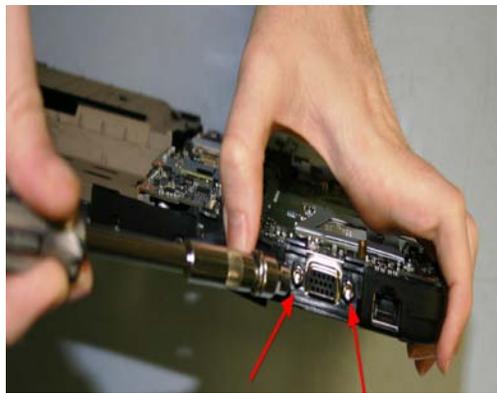
34. Remove 1 screw securing LED board and remove board.



35. Remove tape securing TPM chip and remove chip.



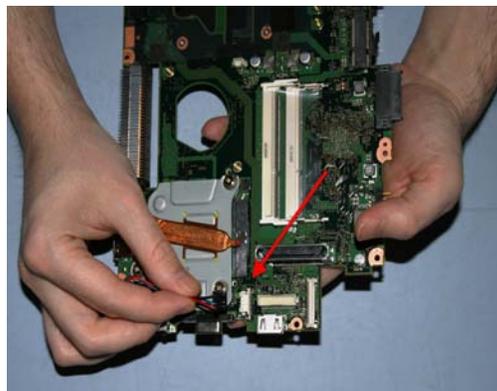
36. Remove 2 screws securing System board.



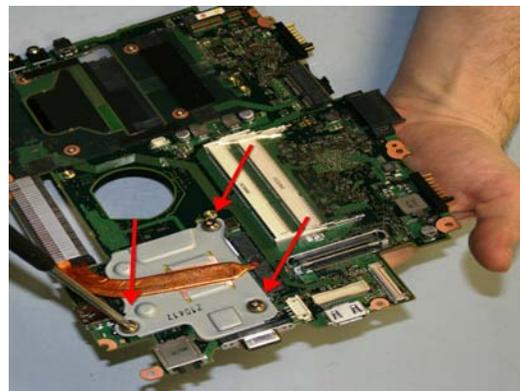
37. Remove 2 hex screws from VGA connector.



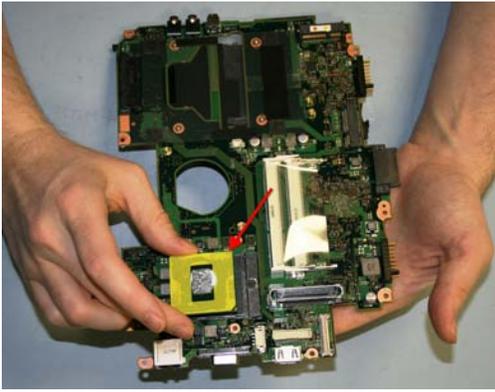
38. Remove the System board.



39. Disconnect the DC connector from the System board.



40. Remove 3 screws securing Heatsink and remove it from the System board.



41. Unlock the CPU and remove it from the System board.

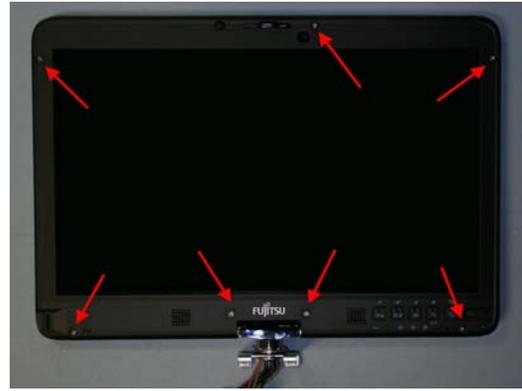


42. Photo of Lower Cover assembly.

LCD Assembly (Disassembly Procedures)



43. LCD Assembly.



44. Remove 7 screw covers and screws as shown.



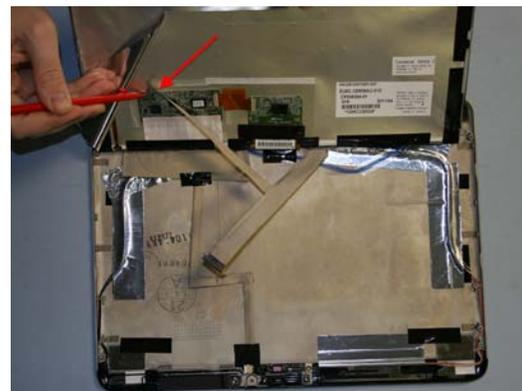
45. Use a plastic Pry Tool to remove the LCD front cover.



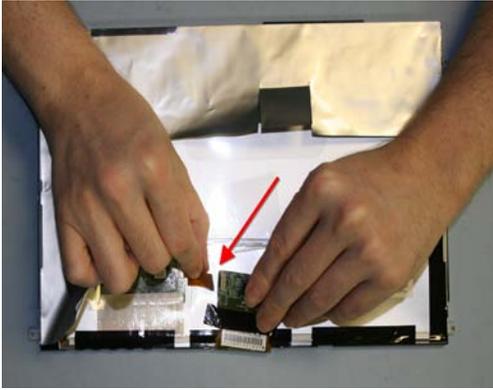
46. Remove 4 screws securing LCD.



47. Remove tape securing LCD cable and disconnect LCD cable.



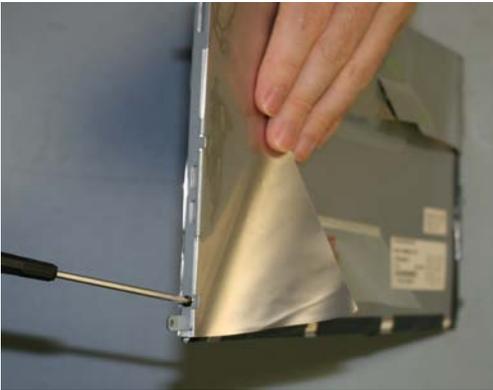
48. Remove tape securing Digitizer cable and remove Digitizer.



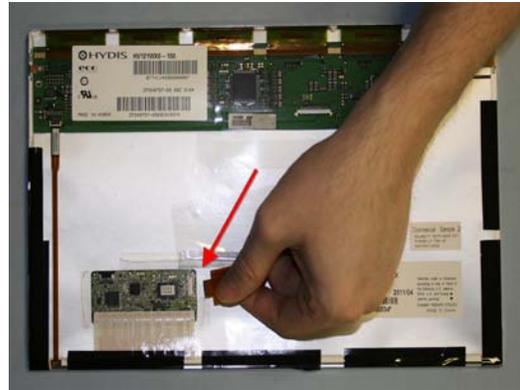
49. Disconnect Digitizer cable from Touch Screen.



50. Separate LCD from Touch Screen.



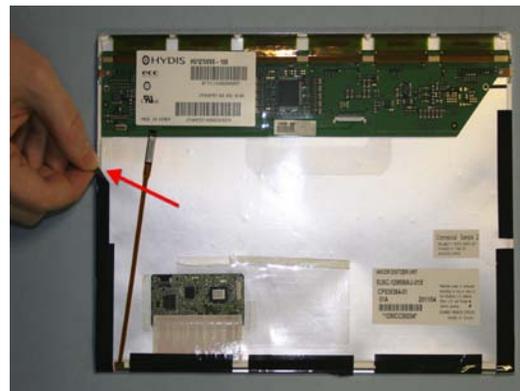
51. Remove 4 screws securing LCD bracket. (2 on the right and 2 on the left.)



52. Remove Digitizer cable from the Active Digitizer.



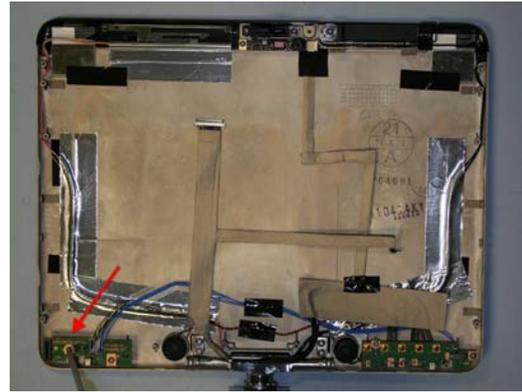
53. Disconnect Flex cable from LCD control board.



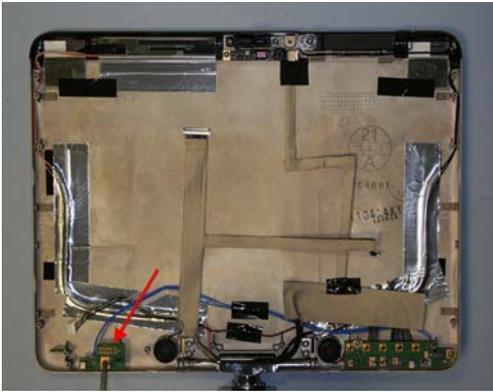
54. Remove tape securing Active Digitizer.



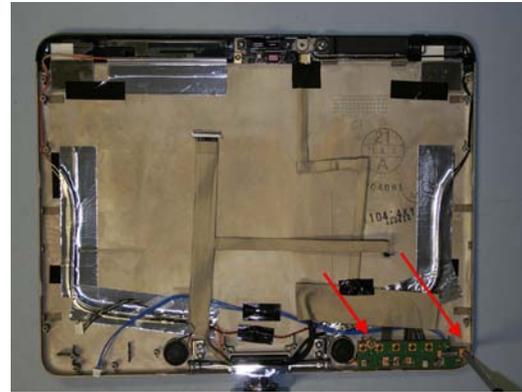
55. Remove Active Digitizer from LCD.



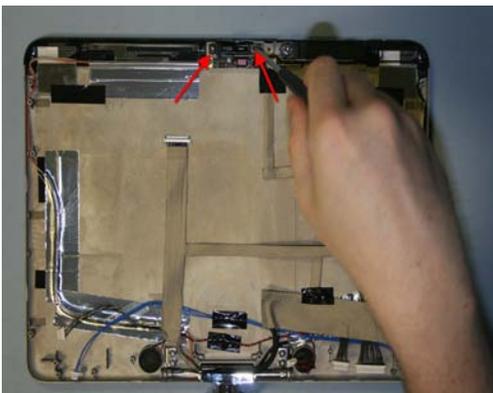
56. Remove 1 screw securing Fingerprint Sensor board and remove board.



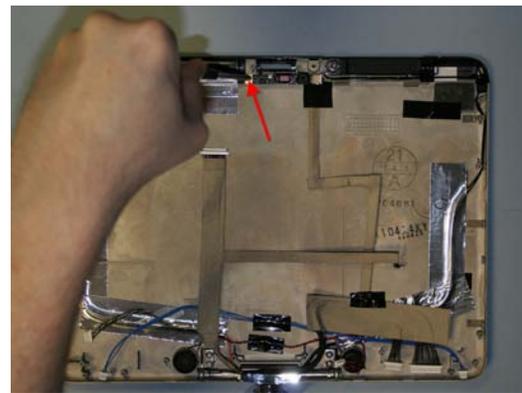
57. Remove 1 screw securing Microphone board and remove board.



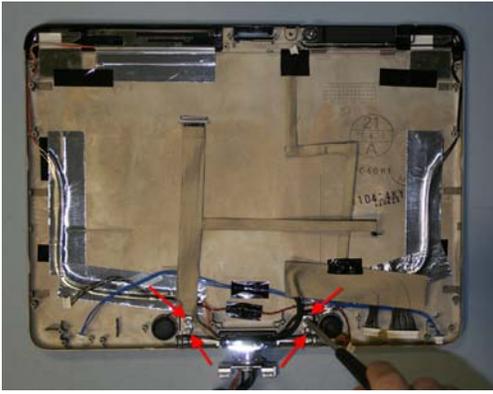
58. Remove 2 screws securing Application board and remove board.



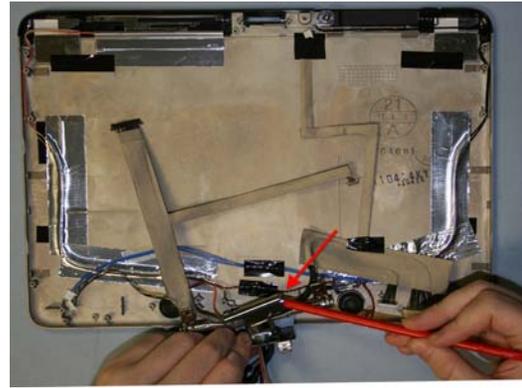
59. Remove 2 screws securing LCD latch and remove latch.



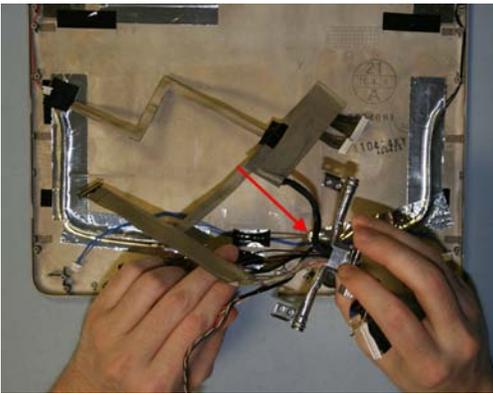
60. Remove 1 screw securing WebCam and remove WebCam.



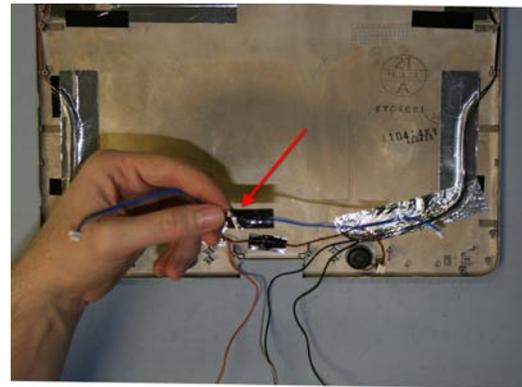
61. Remove 4 screws from Hinge.



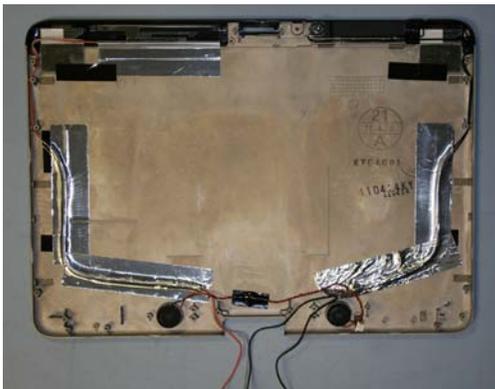
62. Gently remove the Hinge cap.



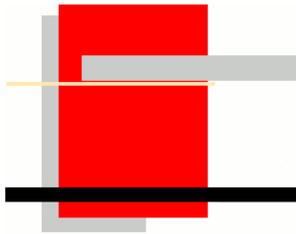
63. Unroute cables while removing Hinge from LCD assembly.



64. Remove microphone cable.



65. Photo of LCD back cover



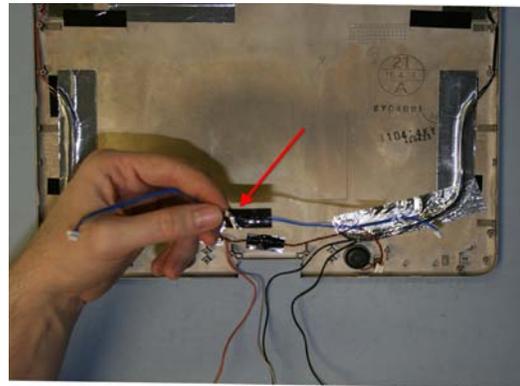
LIFEBOOK T731

Assembly

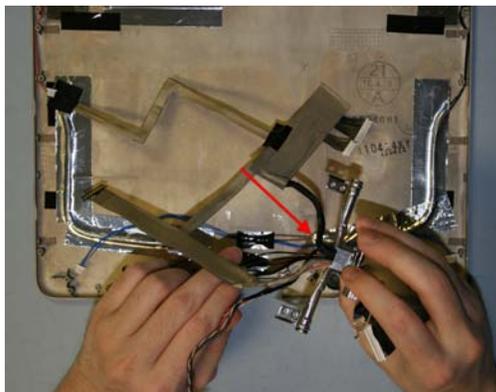
ESD Precautions are required when working on this LIFEBOOK computer.
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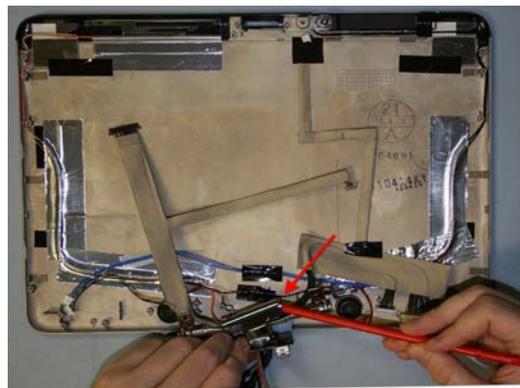
1. Photo of LCD back cover.



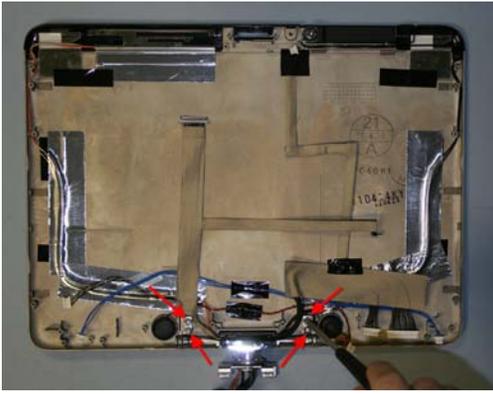
2. Replace Microphone cable.



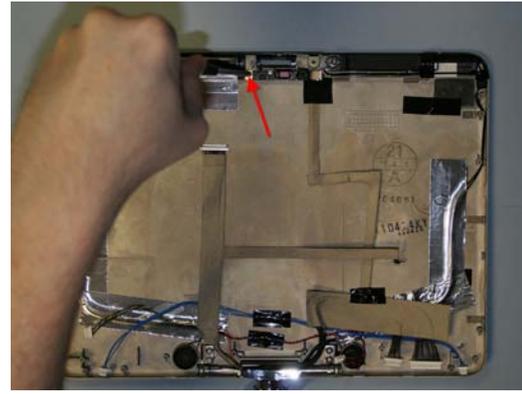
3. Route LCD cables through center of Hinge.



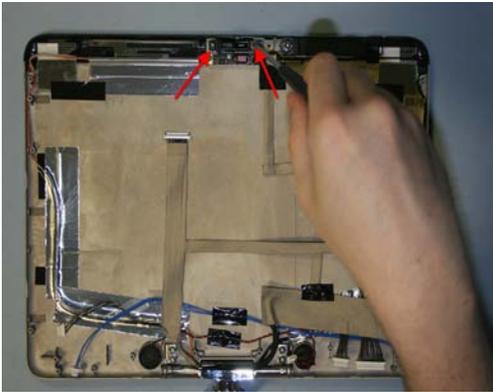
4. Replace Hinge cap.



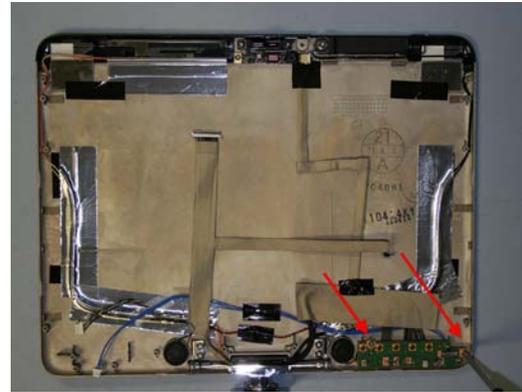
5. Secure hinge to the LCD back cover with 4 screws.



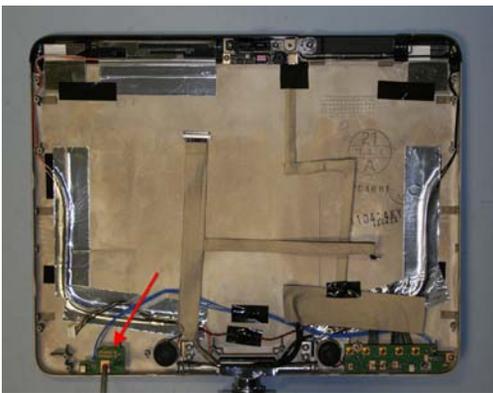
6. Replace WebCam and secure with 1 screw.



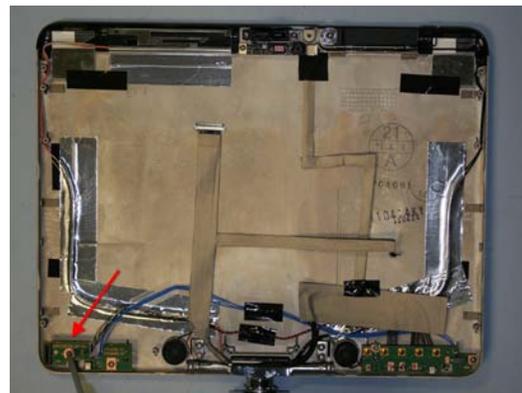
7. Replace LCD latch and secure with 2 screws.



8. Replace Application board and secure with 2 screws.



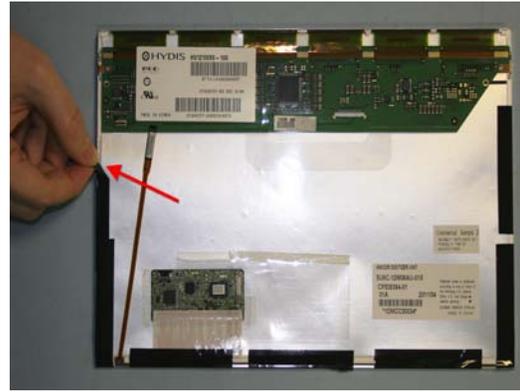
9. Replace Microphone board and secure with 1 screw.



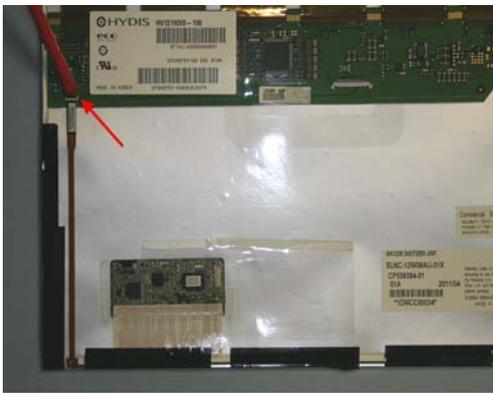
10. Replace Fingerprint Sensor board and secure with 1 screw.



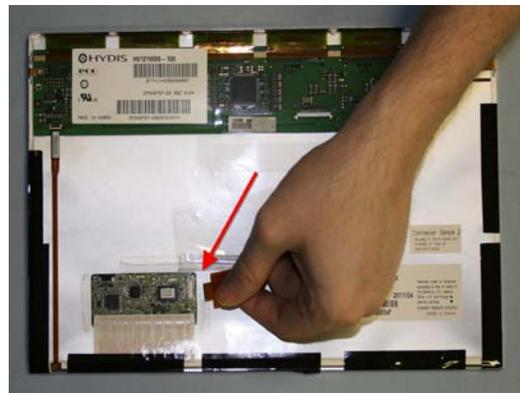
11. Replace Active Digitizer to LCD.



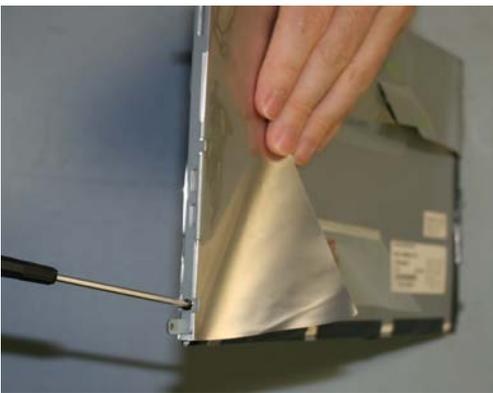
12. Replace tape to secure Active Digitizer.



13. Connect Flex cable to the LCD control board.



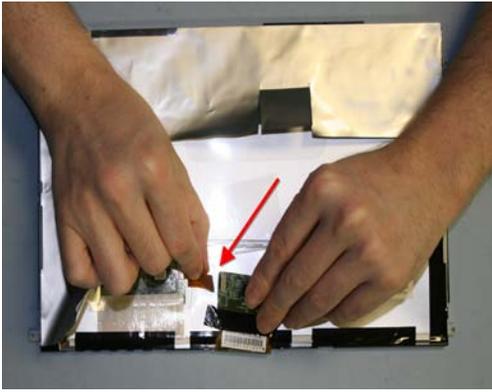
14. Connect Digitizer cable to the Active Digitizer.



15. Replace LCD bracket and secure with 4 screws (2 on the right and 2 on the left).



16. Reassembly LCD and Touch Screen.



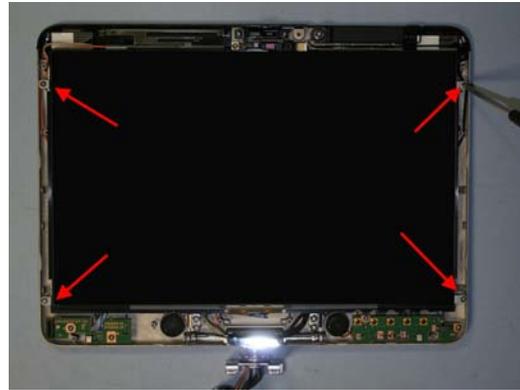
17. Connect Digitizer cable to Touch Screen.



18. Replace Digitizer and connect cable.



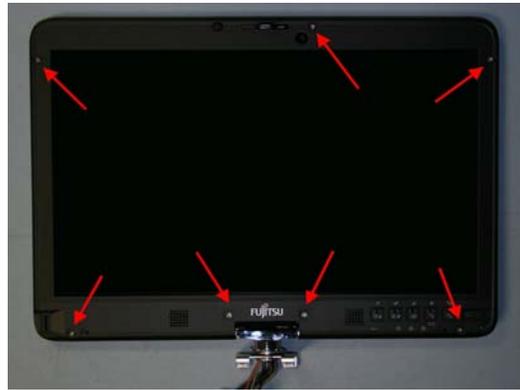
19. Connect the LCD cable.



20. Replace 4 securing the LCD.



21. Replace LCD front cover.

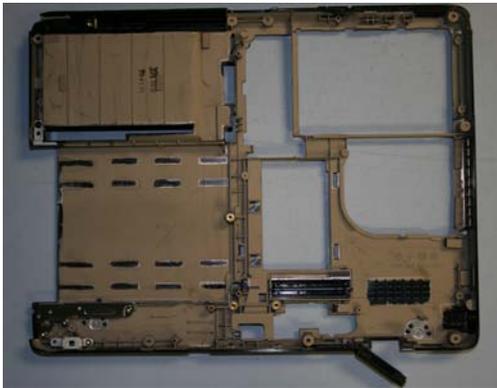


22. Secure LCD with 7 screws and 7 screw covers.

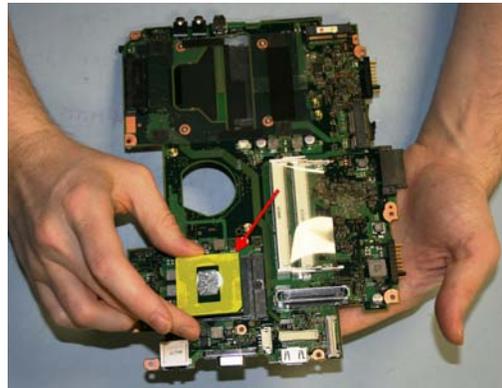


23. Photo of Lower Cover assembly.

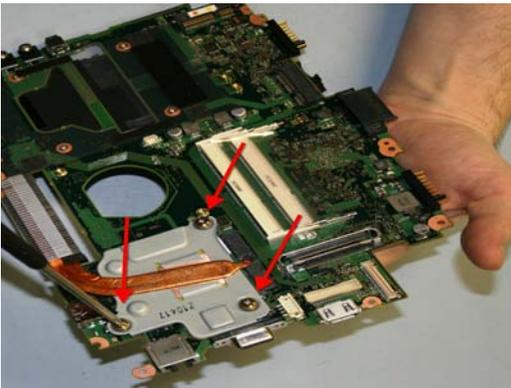
(Begin Lower Assembly)



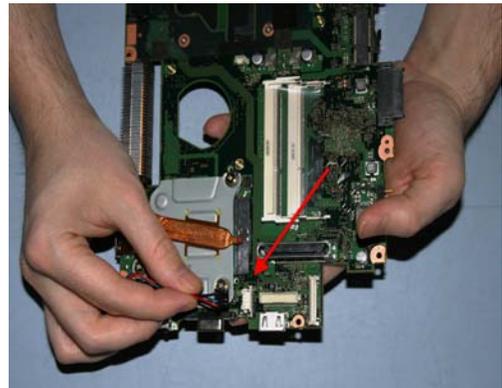
24. Photo of the Lower Cover assembly.



25. Replace and lock the CPU to secure.



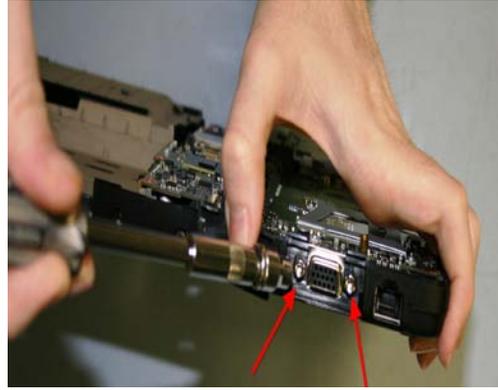
26. Replace Heatsink and secure with 3 screws.



27. Connect the DC connector.



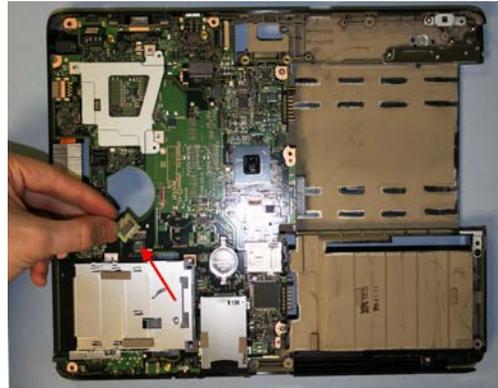
28. Replace the System board.



29. Replace VGA connector and secure with 2 hex screws.



30. Replace 2 screws to secure the System board.



31. Replace TPM chip and secure with tape.



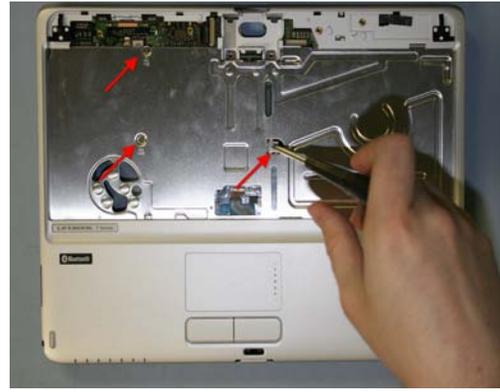
32. Replace LED board and secure with 1 screw.



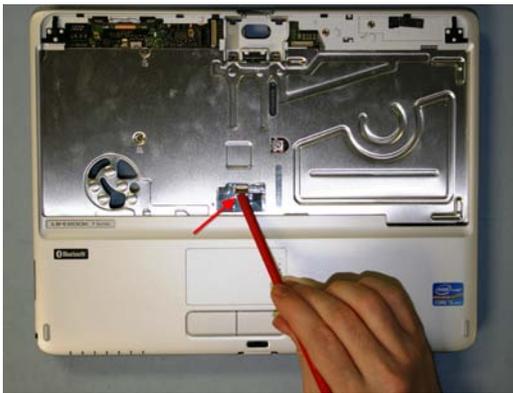
33. Replace USB board and secure with 2 screws.



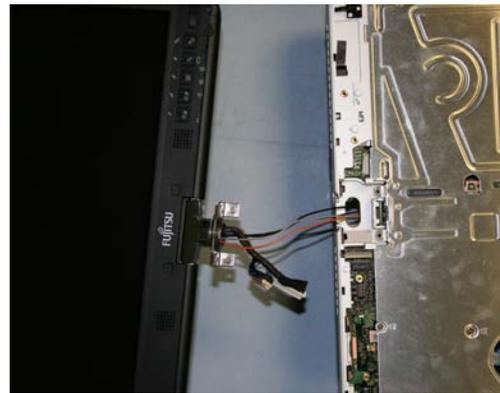
34. Replace Upper cover to the Lower assembly.



35. Secure Upper cover with 3 screws.



36. Connect Glidepoint cable to the System board.



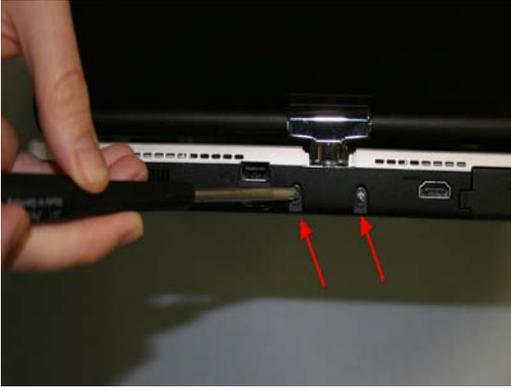
37. Replace LCD assembly to the Lower assembly.



38. Connect LCD cables to the System board.



39. Route Antennas.



40. Secure the rear Hinge with 2 screws.



41. Replace Hinge and secure with 2 screws.



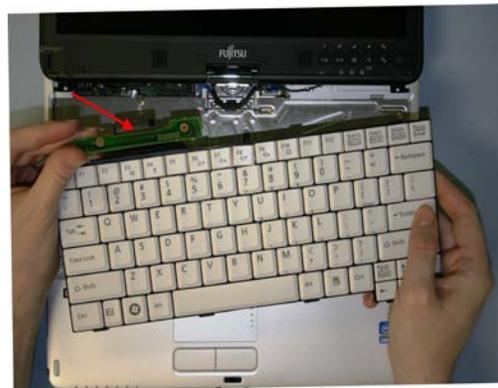
42. Connect USB cable to System board and USB board.



43. Replace Bluetooth board and connect Bluetooth cable.



44. Connect Rotation board to Keyboard.



45. Connect Rotation board and Keyboard to System board.



46. Replace Rotation board and secure with 1 screw.



47. Replace rear Hinge cover.



48. Replace Hinge cover and secure screws on the right and left sides of the LCD.



49. Replace screw covers on the right and left sides of the LCD.



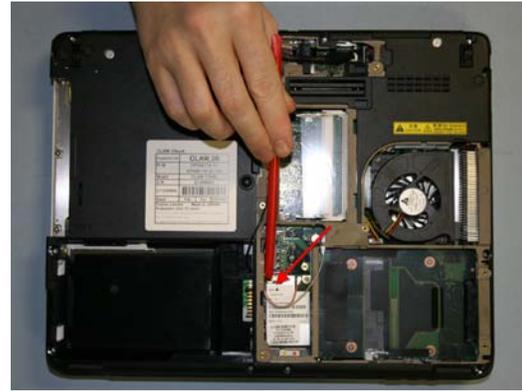
50. Replace 11 screws securing the Lower assembly.



51. Replace Fan and secure with 2 screws.



52. Replace WWAN card and secure with 1 screw.



53. Connect Antennas to the WWAN card.



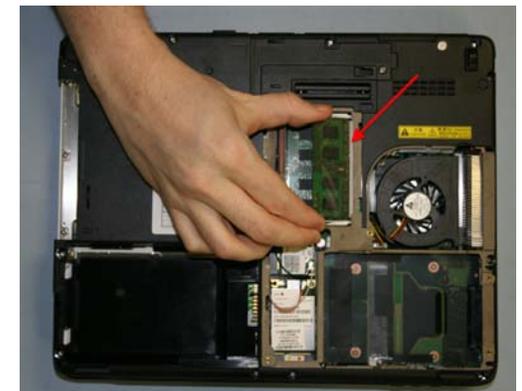
54. Replace WLAN card and secure with 1 screw.



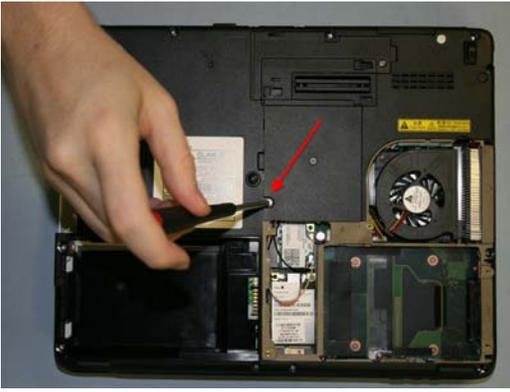
55. Connect cables to the WLAN card.



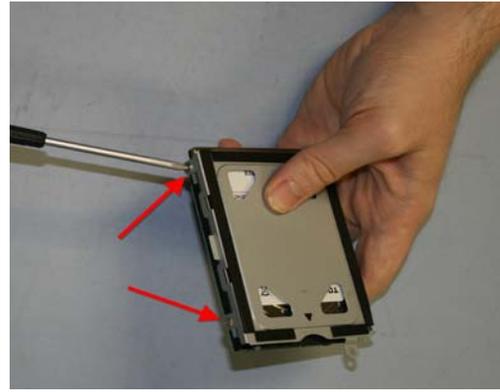
56. Replace LCD cable cover and secure with 1 screw.



57. Replace Memory module.



58. Replace Memory cover and secure with 1 screw.



59. Replace Hard Drive bracket and secure with 4 screws.



60. Replace Hard Drive and secure the Hard Drive with 1 screw.



61. Replace Hard Drive cover and secure with 1 screw.



62. Replace the Dust filter.



63. Replace the Optical Drive.



64. Replace the Battery.



65. Assembly complete.