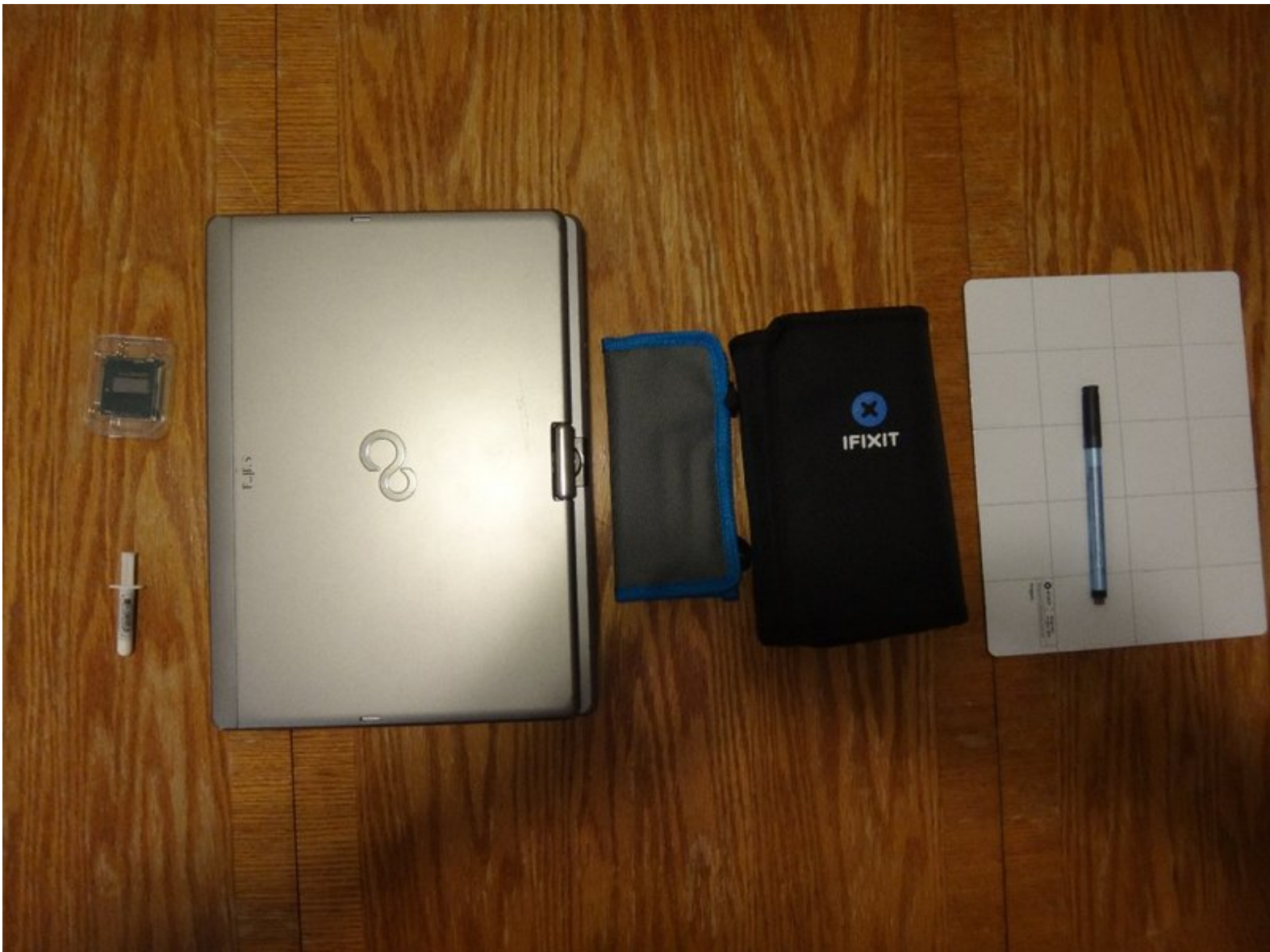




Fujitsu Lifebook T734 CPU Replacement

Steps to remove and replace a processor in the Lifebook T734.

Written By: Daniel Grohol

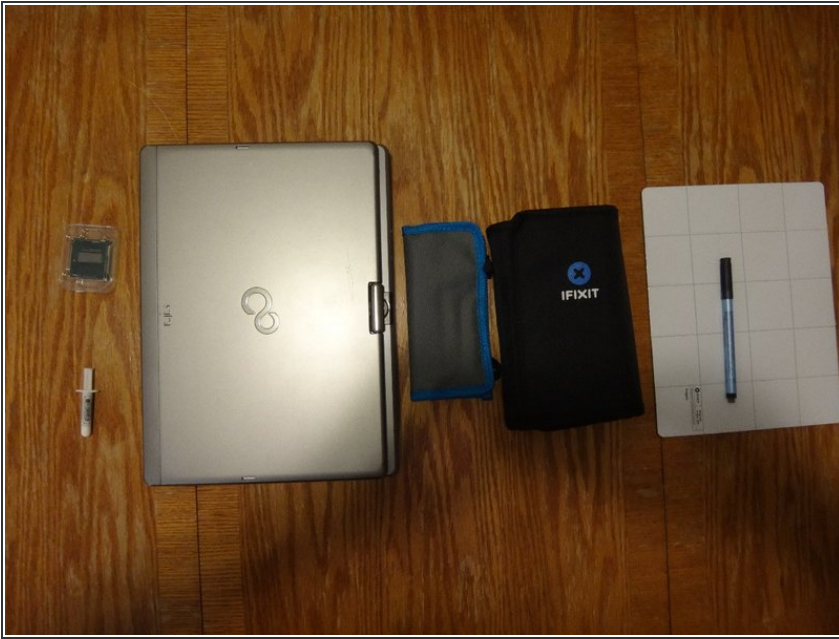




TOOLS:

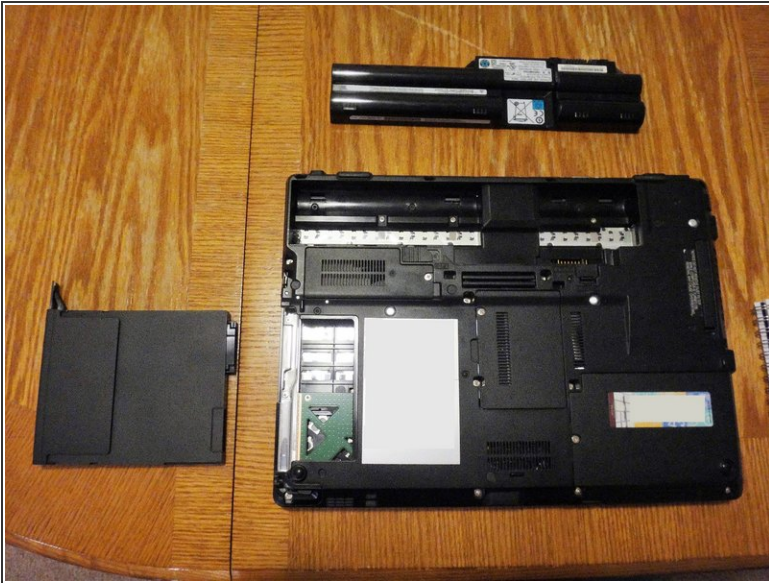
- [64 Bit Driver Kit](#) (1)
-

Step 1 — Preparation



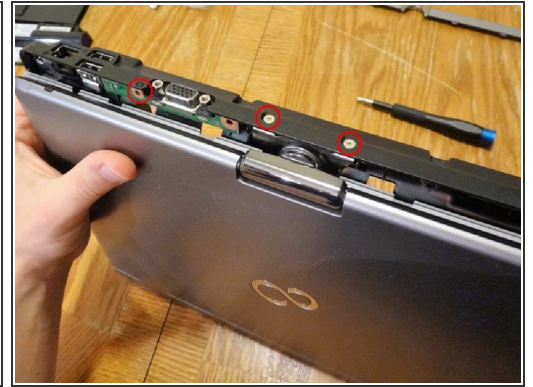
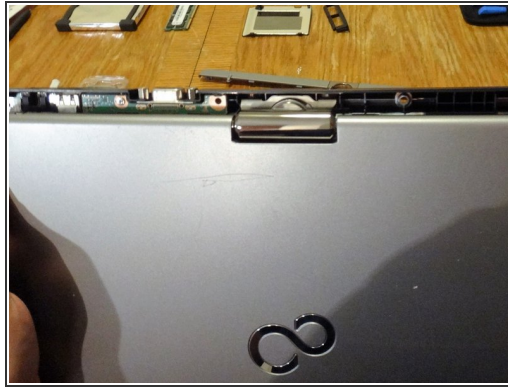
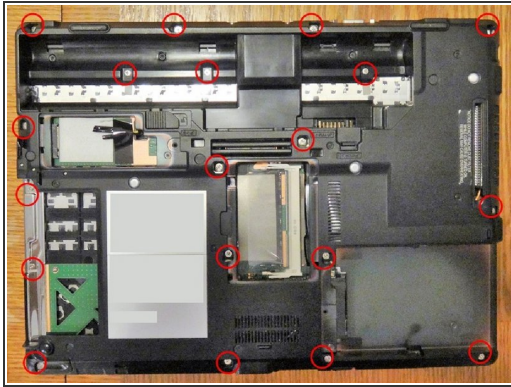
- ⚠ Fujitsu screws are very easy to strip
- use only high-quality screwdriver
- Great collection of other T734 information:
[http://forum.tabletpcreview.com/threads/...](http://forum.tabletpcreview.com/threads/)

Step 2 — The Removables



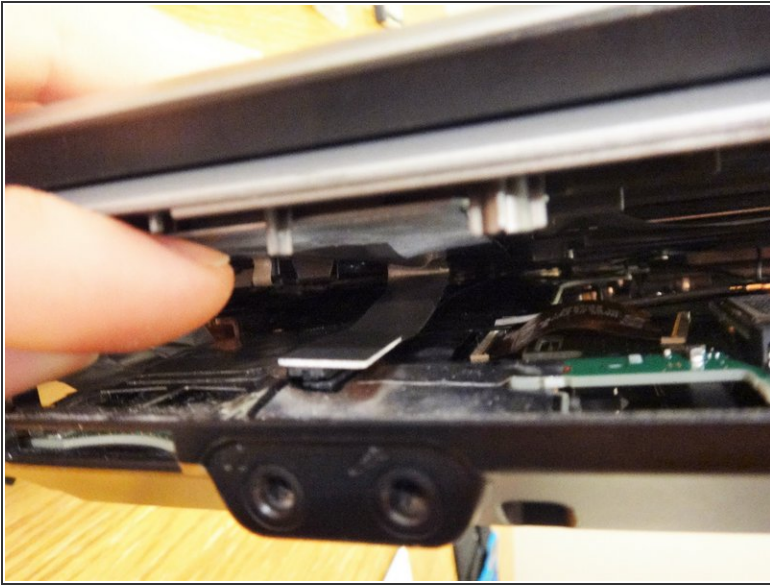
- First remove the battery... a little tricky. Slide and press at the same time,
- Next let's slide out the ultrabay-ish CD drive. There's a little latch on the side of the CD drive. Pull it and it should slide out. (Take out your CD drive security screw if it is installed...)
- Unscrew and remove: Pen, WWAN cover, cooling insert, Hard drive cage, Ram cover and ram. Lay all in a safe space for the upcoming challenge.

Step 3 — Remove the screws



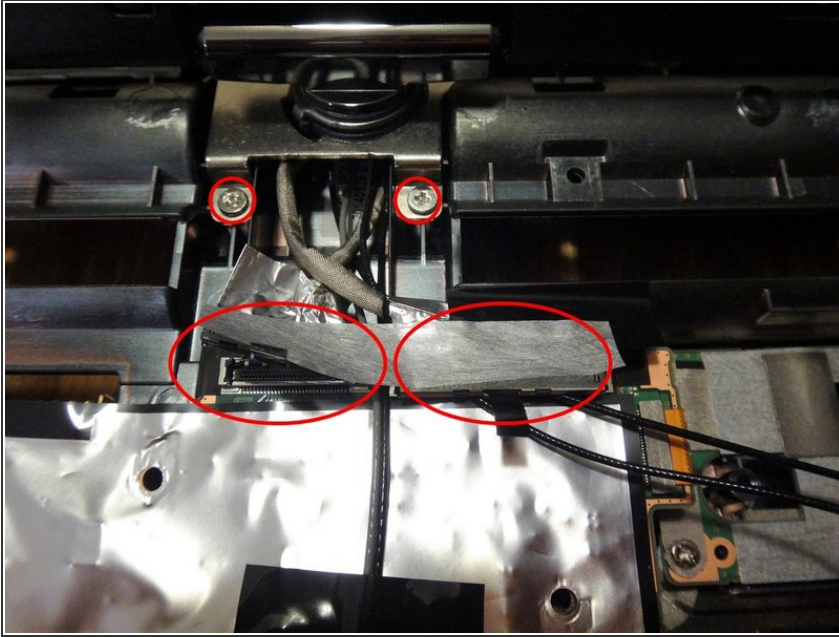
- Remove the 19 screws from the back panel.
- Be sure to get the hidden screws where the CD drive was.
- Now remove the back plastic guard. This is right behind the screen. Some careful spugging and the plastic should pop off.
- Next remove the 3 screws uncovered by the rear guard.

Step 4 — Remove Keyboard



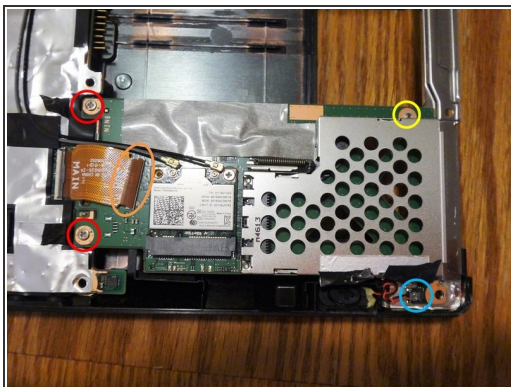
- Carefully pry up keyboard. Watch out for the keyboard/touchpad connector. After lifting the front of the keyboard off about 1/2 inches reach in and disconnect the cable.
 - ⚠ Make sure to remove screw shown in step 6 before removal of keyboard.
- Lift out keyboard/touchpad
- ⓘ Be careful when moving the screen without the back two screws in. Excess force may crack bottom cover.

Step 5 — Remove display assembly



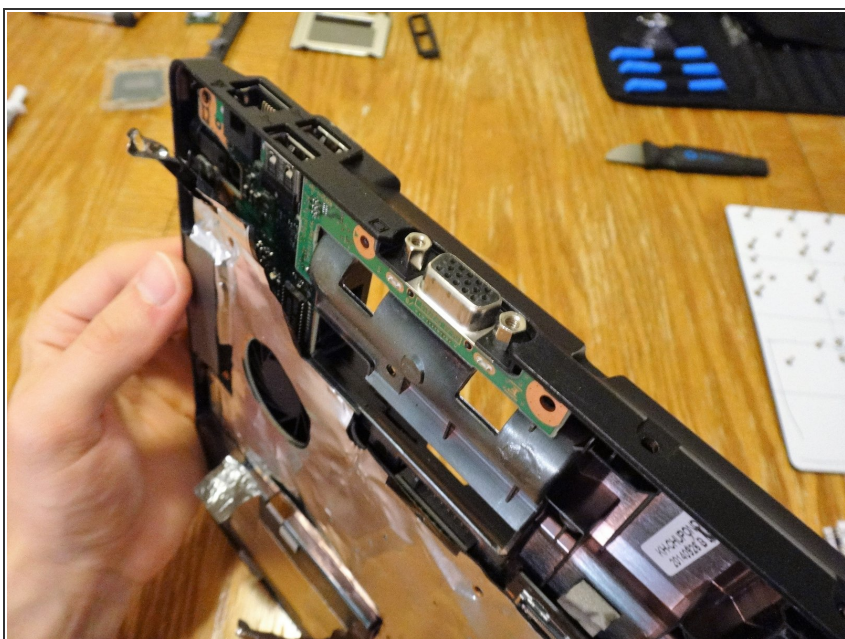
- Remove both display connectors. Be careful to flip up the latch before pulling on the cable.
 - Remove the WWAN and Wifi antennae cables.
 - Remove 2 screws holding the display assembly into the rear cover.
 - Remove display assembly and set aside.
 - Be sure to remove the ribbon cable connecting to the main board.
- ⚠ Connector delicate. May find removing the WWAN board helpful in removing cable.

Step 6 — Remove cables and daughter boards



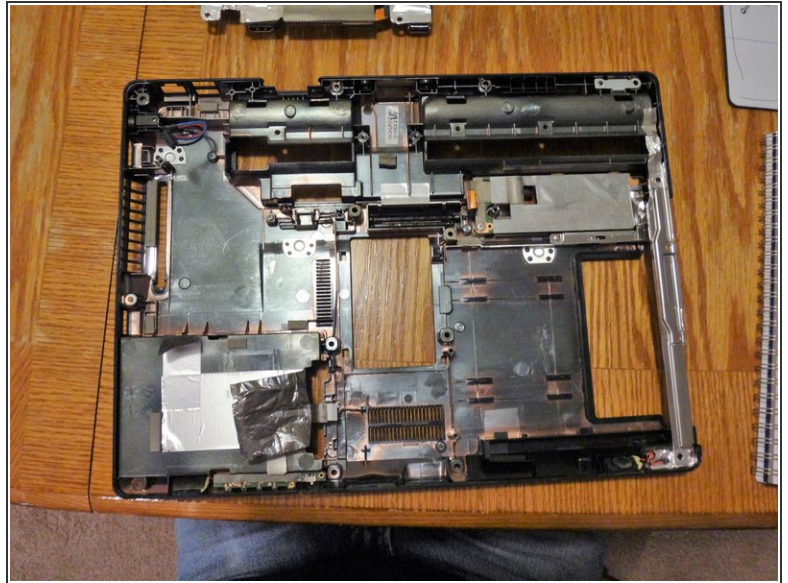
- Remove this screw before removing Keyboard and top cover... Oops
- Remove this cable
- Remove this cable. Tiny wire for tiny speakers...
- Remove these screws and remove the expresscard board.
 - ⓘ You don't have to remove this board, but it's so darn easy and helps I think.
- Carefully lift up the tape around the hard drive cable. Remove cable and tape as required.

Step 7 — Remove VGA board



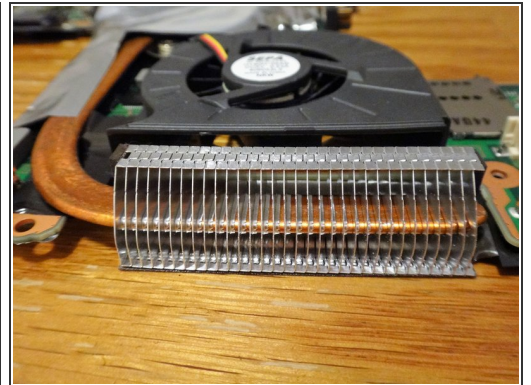
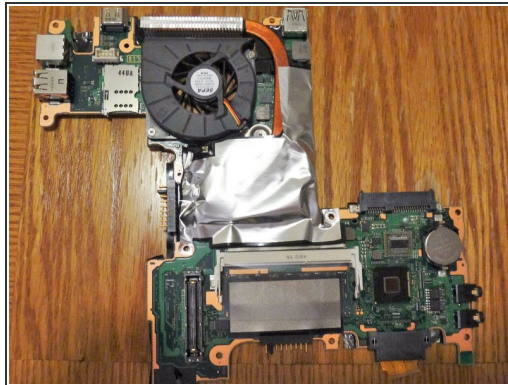
- Remove the 2 hex standoffs on either side of the VGA port.
- Disconnect/Snap off the VGA connector/board from the main board.

Step 8 — Remove motherboard



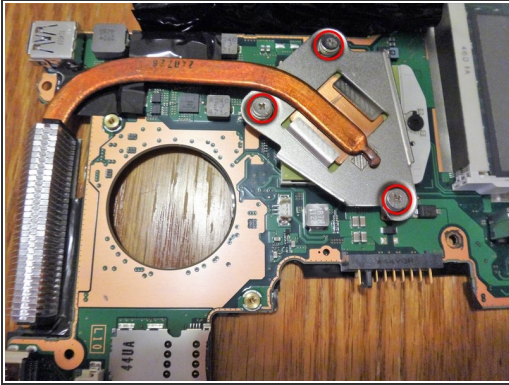
- Motherboard is now free. *Mostly*
- The power connected is attached under the motherboard. After loosening the board, lift it up enough to remove the power cable.

Step 9 — Motherboard and fan



- Photos showing the motherboard
- Cool fan grills. Oh, make sure to disconnect the power cable and undo the 2 screws holding the fan down.

Step 10 — Remove and replace the CPU



- Loosen the 3 screws holding the head sink onto the cpu socket. Common practice is to remove and replace the thermal paste.
- You can install any [G3 socket](#) no more than 37 watt cpu.
- ⓘ With a i7-4712MQ after 7 min of adia 64 stress test I saw max temperature of 85 C with no cpu throttling.

To reassemble your device, follow these instructions in reverse order.