



Asus M3502QA Series Repair Manual

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

19
20
21
22
23
24
25
26
27
28
29
30
31
32

•

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[Next Page](#)

1
2
3
4
5

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Summary of Contents for Asus M3502QA Series

[Page 1](#) ASUS M3502QA series Repair Manual...

[Page 3](#) Service Overview • ASUS is not responsible for direct, indirect, intentional or unintentional damages resulting from improper installation and operation. • Carefully read through this Service Guide for a look at various components of the device before performing any service and repairs.

[Page 4](#) Pre-repair checklist • Read the entire manual before starting any service procedures and follow all instructions. • Back up the data on your device. • Place your device on a clean

and stable surface. • Turn off your device. • Disconnect all connected peripherals and cables.

[Page 5](#) ASUS M3502QA series Overview Top View Bottom View ❶ ❶ Array microphones ❷ Camera Shutter ❷ ❶ Audio speakers ❸ Camera ❸ ❹ Camera indicator ❹ ❷ Display panel ❸ Keyboard ❷ ❹ Touch pad ❸ Power Button ❸ ❸...

[Page 6](#) Components Top View LCD COVER MODULE KEYBOARD MODULE SSD PLATE ASSY WIFI CARD IO BOARD FP FFC TOUCHPAD MODULE LCD BEZEL OLED BKT SPEAKER MAIN BOARD HINGE CAP HINGE (Only OLED PANEL Need) TYPE A ABSORBER BOT 15.6" LCD Panel BATTERY THERMAL MODULE ASSY IO FFC...

[Page 7](#) Components Bottom View KEYBOARD MODULE LCD COVER MODULE SHIELDING COVER WIFI CARD THERMAL MODULE ASSY LCD BEZEL IO BOARD TYPE C BKT ASSY KB SPONGE ANTENNA MAIN ANTENNA AUX 15.6" LCD Panel MAIN BOARD OLED BKT BATTERY BOSS ACETATE TAPE BASE CASE TOUCHPAD MODULE TP CONDUCTIVE TAPE...

[Page 8](#) Repair Overview This chapter describes disassembly and assembly (Assemble document please look up from the last page), please follow the information provided in this section to perform the complete disassembly procedure. Precautions: Before you perform any service or repair on the notebook, please pay special attention to the cautions prevent any damages to the notebook. 1.

[Page 9](#) Appropriate Tools Please prepare and select the appropriate tools to disassemble/assemble for the ASUS M3502QA series notebook. Screwdriver Alcohol 95% Glove Dust-free Cloth Please accord to different screw specification to choose different screwdriver and head. Plastic Blade NB LCD MYLAR *4pcs) Use it to align panel position.

[Page 10](#) BOTTOM CASE Disassembly Notice Screws Spec Torque (kgf-cm) Step 1 : Use T6 Screwdriver to remove screws*10pcs. Step 2 : Use the non-conductive pry tool to pry the bottom case. M2.5*9.0L K W-NI T6 *6 2.0±0.2 M2.5*4.5L K W-NI T6 *4 2.0±0.2 Start To avoid the bottom case hook,...

[Page 11](#) DISCONNECT BATTERY CONNECTOR Disassembly Notice Please be sure to pull out adapter and disconnect the battery. Before disassembly battery connector, please be sure to pull out adapter and disconnect the battery more than ten seconds in order to IC damage. Step 1 : Use the non-conductive pry tool to push iron sheet.

[Page 12](#) Disassembly Notice Please be sure to pull out adapter and disconnect the battery. Step 1 : Remove the (red mark) screw*1pc. Screws Spec Torque (kgf-cm) Step 2 : Take away the SSD PLATE ASSY (with Thermal Pad). M2*3L K B-NI #1 NY Step 3 : Remove the M.2 card (SSD)*1pc.

[Page 13](#) Assembly Notice Please be sure to pull out adapter and disconnect the battery. When installing the SSD, please keep the SSD less than 15 degrees When installing the SSD, please follow the steps below. with motherboard, and then insert the SSD. Align and insert the new M.2 card into the module slot.

[Page 14](#) Disassembly Notice Please be sure to pull out adapter and disconnect the battery. Step 1 : Unlock and remove the RAM module. Assembly Notice Align and insert the new RAM module at 30° into the memory slot. Once properly inserted, push down the RAM module until it clicks in place. °...

[Page 15](#) BATTERY Disassembly Notice Please be sure to pull out adapter and disconnect the battery. Before disassembly battery connector, please be sure to pull out adapter and disconnect the battery more than ten seconds in order to IC damage. Step 1 : Remove the (red mark) screws*2pcs. Screws Spec Torque(kgf-cm)

[Page 16](#) WIFI CARD Disassembly Notice Please be sure to pull out adapter and disconnect the battery. Step 1 : Tear off the CABLE ACETATE on WIFI module. Screws Spec Torque (kgf-cm) Step 2 : Disconnect and remove the RF CABLES*2pcs in (yellow marks). M2*3L K B-NI #1 NY Step 3 : Remove the (red mark) screw*1pc.

[Page 17](#) SPEAKER Disassembly Notice Please be sure to pull out adapter and disconnect the battery. Step 1 : Disconnect the (red mark) connector*1pc. Step 2: Release the (yellow mark)

BOSS ACETATE TAPES*2pcs. Assembly Notice Step 3 : Remove the SPEAKER. Please follow the below illustrations to assemble the SPEAKER module. Disconnect the connector in red mark
Paste BOSS ACETATE TAPE...

[Page 18](#) FAN and MAIN BOARD (with THERMAL MODULE) Disassembly Notice Please be sure to pull out adapter and disconnect the battery. Step 1 : Tear off (orange mark) TYPE A ABSORBER*1pc. Screws Spec Torque (kgf-cm) Step 2 : Disconnect (yellow mark) connectors*7pcs. M2*4L (K) B-NI #1 2.0±0.2 Step 3 : Remove (red, green and blue mark) screws*17pcs.

[Page 19](#) THERMAL MODULE Disassembly Notice Please be sure to pull out adapter and disconnect the battery. Step 1 : Please follow the reverse screws numbers to remove screws*4pcs. Screws Spec Torque (kgf-cm) Step 2 : Remove the THERMAL MODULE and (orange mark) TYPE-C BRACKET from MB. M2*4L D4.6 (K) W-NI NY 2.0±0.2 Recommend that the force point is at green block, and pull up thermal module to take it out.

[Page 20](#) MAIN BOARD Mainboard connector placement EDP CABLE PW BUTTON BKY HDMI TYPE C USB type A AUDIO IO FFC SPEAKER Assembly Notice Paste CABLE ACETATE*1pc on K/B BL FFC. TP FFC KB BL FFC KB FFC BATTERY Back...

[Page 21](#) MAIN BOARD Materials on mainboard K3402ZA(00)TYPE A ABSORBER TOP K3402ZA(00) MEMORY ABSORBER Back...

[Page 22](#) USB BOARD Disassembly Notice Please be sure to pull out adapter and disconnect the battery. Step 1 : Disconnect the (yellow mark) connector then remove IO FFC. Screws Spec Torque (kgf-cm) Step 2 : Remove the screw*1pc then remove USB BOARD. M2*3L K B-NI #1 NY 2.0±0.2 Step 3 : Lift up and separate the Keyboard module.

[Page 23](#) KEYBOARD MODULE Disassembly Notice Please be sure to pull out adapter and disconnect the battery. Step 1 : Disconnect and remove the (orange mark) FP FFC. Torque (kgf-cm) Screws Spec Step 2 : Disconnect and remove the (yellow mark) TP FFC. Step 3 : Lift up (red mark) KB FFC and TP CONDUCTIVE TAPE.

[Page 24](#) KEYBOARD MODULE & TOUCHPAD MODULE Assembly Notice Please be sure to pull out adapter and disconnect the battery. Please follow the below notice when assembling the Keyboard module & Touchpad module. If FFC is damage during disassembly, please replace new one. Please paste the new TP CONDUCTIVE TAPE*1pc if you need to change the Here are some samples of FFC damage: touchpad module and keyboard module.

[Page 25](#) LCD BEZEL Disassembly Notice Please be sure to pull out adapter and disconnect the battery. Step 1 : Use the plastic blade to insert holes at both ends of the hinge cap then pry open. Step 2 : Remove the hinge cap. Step 3-1~3-3, Start from the middle area of each side of bezel, Step 3 : Remove LCD BEZEL.

[Page 26](#) LCD PANEL Disassembly Notice Please be sure to pull out adapter and disconnect the battery. Step 1 : Release the (yellow mark) tape then remove (red & green mark) screws*10pcs. Screws Spec Torque (kgf-cm) Step 2 : Remove hinges*2pcs. M2.5*2.5L K B-ZN #1 NY Step 3 : Pull out LCD adhesives*2pcs.

[Page 27](#) LCD PANEL & OLCD BKT Disassembly Notice Please be sure to pull out adapter and disconnect the battery. Step 1 : Pull the (red mark) adhesive(*4pcs) up about 30 degree slowly. Step 2 : Separate the Panel and OLCD BKT carefully. Don't pull out the tape in vertical direction!
□...

[Page 28](#) LCD COVER Disassembly Notice Please be sure to pull out adapter and disconnect the battery. Step 1 : Disconnect and remove CAMERA. Step 2 : Remove MIC RUBBER*2pcs. Step 3 : Remove ACETATE TAPE and EDP CABLE. Disconnect Release ACETATE TAPE MIC RUBBE Back...

[Page 29](#) LCD COVER Assembly Notice Please be sure to pull out adapter and disconnect the battery. Please follow the red marks to tidy up the EDP CABLE as illustrated. Remember to paste the ACETATE tape that comes with the LCD cover to fix the EDP cable as illustrated.

[Page 30](#) LCD MODULE Assembly Notice Please be sure to pull out adapter and disconnect the

battery. OLED PANEL, before assembling the LCD module, please note the alignment rubber of the OLED BKT, and LCD COVER as illustrated. Back...

[Page 31](#) LCD PANEL & OLCD BKT Assembly Notice Please be sure to pull out adapter and disconnect the battery. Please choose the new corresponding ADHESIVE with the Panel when assembling the LCD module. When reuse the LCD PANEL: (The following is an operation example) Please use the fingertip to clean the residual glue on PANEL or BEZEL.

[Page 32](#) LCD PANEL and LCD Cover Assembly Notice Please be sure to pull out adapter and disconnect the battery. Please note the EDP connector when assembling: When reuse the LCD COVER: Please paste new LCD ADHESIVE *2pcs. (*Notes: New LCD COVER already contains LCD ADHESIVE *2pcs for FHD IPS PANEL only) LCD ADHESIVE When assembly the LCD PANEL: (The following is an operation example)