



Asus A7V Service Manual

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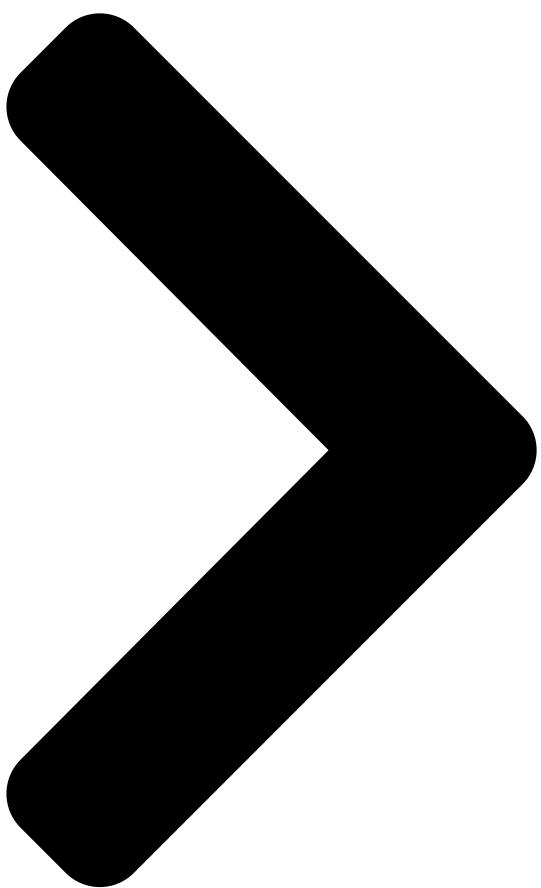
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Disassembly Procedure

Please follow the information provided in this section to perform the complete disassembly procedure of the notebook. Be sure to use proper tools described before.

A

SUS A7V Series Notebook consists of various modules. This chapter describes the procedures for the complete notebook disassembly. In addition, in between procedures, the detailed disassembly procedure of individual modules will be provided for your service needs.



The disassembly procedure consists of the following steps:

- Battery Module
- HDD Module
- Wireless LAN Module
- TV Tuner Module
- Second Memory Module
- CPU Module
- ODD Module
- Keyboard
- Main Memory Module
- Top Case Module
- LCD Module
- Bottom Case Module
- Motherboard Module

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Disassembly procedure

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[Notebook Asus VX7 User Manual](#)

(118 pages)

[Notebook Asus PU451J E-Manual](#)

Notebook pc (140 pages)

Summary of Contents for Asus A7V

Page 1 Be sure to use proper tools described before. SUS A7V Series Notebook consists of various modules. This chapter describes the procedures for the complete notebook disassembly. In addition, in between procedures, the detailed disassembly procedure of individual modules will be provided for your service needs.

Page 2: Battery Module

Disassembly procedure Battery Module B A T T E R Y The illustration below shows how to remove the battery module. Turn over the notebook. Unlock the battery lock (No.1). Slide the

battery lock (No.2) and pull the battery pack out. 2 - 2...

[Page 3: Hdd Module](#)

Disassembly procedure HDD Module H D D M O D U L E The illustrations below show how to remove the HDD module from the notebook. Removing HDD Module H D D M O D U L E Remove 2 screws [M2 * 4(L)] here. And lift the cover away. R E M O V A L Pull out the hard drive and lift the hard drive away.

[Page 4: Wireless Lan Module](#)

Disassembly procedure Wireless LAN Module W I R E L E S S The illustration below shows how to remove the Wireless LAN module. L A N Remove 2 screws [M2 * 4(L)] and remove the Mini-PCI Cover away. MINI-PCI TV TUNER Disconnect the main Antenna and open the two latches to pop the MINI PCI MODULE up then pull it out.

[Page 5](#) Second Memory Module M E M O R Y The A7V Series Notebook has two expansion SO-DIMM slots for you to upgrade the total M O D U L E memory up to 2GB with two DDR2-533 1024 MB SO-DIMM RAM modules, here introduce you the second memory slot.

[Page 6: Cpu Module](#)

Disassembly procedure 2. Remove the Memory module by opening the latches which will pop the module up to a 45° angle and then pulling out the module. 3. If there is an existing memory, remove it by opening the latches(No. 2), which will pop the module up to a 45°...

[Page 7](#) Disassembly procedure Turn the non-removable screw 180 degrees counter-clockwise to loosen the CPU. Squeeze the vacuum handling pump and use it to lift the CPU away. Unlock Don't touch the die above the CPU. Remove the CPU away. Remove CPU thermal pad from CPU die with a pair of tweezers. triangle Remove 2 screws [M2 * 3(L)] and disconnect the fan cable &...

[Page 8](#) Disassembly procedure ODD Module O D D M O D U L E The illustration below shows how to remove the ODD module. 1. Remove the rubber and remove 2 screws [M2 * 4(L)] from the bottom case. 2. Put the screw driver here and push the ODD drive out from the NB. 2 - 8...

[Page 9](#) Disassembly procedure Keyboard K E Y B O A R D D I The illustration below shows how to remove the keyboard S A S S E M B L Y Removing Keyboard K / B Push the 3 latches in with a pair of tweezers or a single-slotted R E M O V A L screwdriver and lift the keyboard up.

[Page 10](#) Main Memory Module M E M O R Y The A7V Series Notebook has two expansion SO-DIMM slots for you to upgrade the total M O D U L E memory up to 2GB with two DDR2-533 1024 MB SO-DIMM RAM modules, here introduce you the main memory slot.

[Page 11](#) Disassembly procedure Top Case Module T O P C A S E The illustrations below show how to disassemble and remove the top case module of the M O D U L E notebook. The module contains the top case itself and touch pad module. Removing Top Case Module T O P C A S E...

[Page 12](#) Disassembly procedure Remove 2 screw [M2 * 6(L)] and carefully remove the hinge cover on the both side. Remove 2 screws [M2.5 * 8(L)] to loosen the hinge. 2 - 12...

[Page 13](#) Disassembly procedure Remove 4 screws [M2.5 * 8(L)] on the Bottom case. Separate LCD Module from the Top case module. 2 - 13...

[Page 14](#) Disassembly procedure Remove 8 screws [M2 * 4(L)] on the top case. 10. Disconnect the speaker cable & Touch pad FPC & Audio FPC & Launch BD FPC from the motherboard. Launch BD Speaker cable Touchpad Audio FPC 11. Turn over the NB and remove 1 screws [M2 * 8(L)] &...

[Page 15](#) Disassembly procedure 12. Remove 3 screws [M2 * 3(L)] on the bottom case. 13. Remove 8 screws [M2 * 4(L)] on the bottom case. 14. Now you can separate the Top case from the Bottom case. 2 - 15...

[Page 16](#) Disassembly procedure Removing Touch Pad Module T O U C H P A D Remove 6 screws [M2 * 3(L)] and disconnect the Touch pad board FPC with M O D U L E tweezers then

take away the Touch pad bracket from the top case. R E M O V E Separate the Touch pad board from the Touch pad bracket.

[Page 17](#) Disassembly procedure Removing Audio board module A U D I O B O A R D M O D U L E Remove 2 yellow mylar and disconnect the FPC. R E M O V E Remove 2 screws [M2 * 4(L)] and take away the Launch BD. module. Removing Speaker module S P E A K E R M O D U L E...

[Page 18: Lcd Module](#)

Disassembly procedure LCD Module L C D The illustrations below show how to remove and disassemble the LCD module. The M O D U L E module contains LCD panel, inverter board, LCD hinge bracket, hinge cover, LCD front cover, and LCD back cover. Please do not disassemble the individual parts.

[Page 19](#) Disassembly procedure Remove 2 screws [M2.5 * 5(L)] and disconnect the coaxial cable & LCD cable then remove the inverter board. Remove 2 screws [M2.5 * 8(L)] and remove the LCD bottom bracket from the LCD cover. Remove 2 screws [M2 * 5(L)] and remove the LCD module from the LCD back covert.

[Page 20](#) Disassembly procedure Remove 4 screws [M2* 3(L)] & 4 screws on the other side. Remove 1 yellow tape and disconnect the coaxial cable from LCD. Remove 1 yellow tape and remove CCD module then disconnect the CCD cable. 2 - 20...

[Page 21](#) Disassembly procedure Remove 2 screws [M2.5 * 5(L)] and remove the Top LCD bracket from the LCD cover. 10. Remove 1 screw [M2.5 * 5(L)] & 2 screws [M2.5 * 8(L)] on the both side. 11. Remove the LCD Hinges from LCD back cover on both sides. M2.5* 5L M2.5* 5L M2.5* 8L...

[Page 22](#) Disassembly procedure Bottom Case Module B O T T O M The illustrations below show how to disassemble and remove the bottom case module of the notebook. The module contains the bottom case itself, speaker sets and Motherboard. C A S E M O D U L E Removing Motherboard M O T H E R B O A R D...

[Page 23](#) Disassembly procedure Remove the motherboard from the bottom case. Remove 1 screw [M2 * 4(L)] and remove DC-IN bracket. Remove 1 screw [M2 * 4(L)] and remove the bracket then disconnect the cable and remove the Bluetooth board. 2 - 23...

[Page 24](#) Disassembly procedure Motherboard Module M O T H E R B O A R D Removing Memory Module M O D U L E Remove 4 tapes and remove 2 screws [M2 * 4(W)] and disconnect the cable then take away the modem module. Remove 3 screws [M2 * 4(W)] and take away the VGA thermal module.