

Acer Aspire A517-58M/A517-58GM
Bolide_RTU

Lifecycle Extension Guide

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Self-Repair

This chapter highlights the limited self-repair capabilities of the product.

Prior performing self-repair, familiarize yourself with the Safety Guidelines and Recommended Equipment sections first as described in the chapter "Disassembly Procedures".

Depending on model, the following key components are eligible for self-repair (if applicable)

- Battery pack
- HDD/SSD module
- WLAN module

If a particular key component is listed and thus would be eligible for self-repair, but is not described in the "Disassembly Procedures" section, then this component is either not present on the respective model, or it is present but embedded on the motherboard and therefore not eligible for self-repair.

⇒ NOTE:

Do not attempt to replace other components than those listed above

⇒ NOTE:

For replacement parts, always use only Acer certified components in order to safeguard quality, optimum system performance, stability and reliability of the product.

⇒ NOTE:

Any damage to the product that occur during self-repair, or which has occurred as a result of a careless or unsuccessful self-repair attempt, is not covered by the standard product warra

Machine Disassembly and Replacement

This chapter contains step-by-step procedures on how to disassemble the notebook computer for maintenance and troubleshooting.

Cable paths and positioning may not represent the actual model. During the removal and installation of the components, ensure all available cable channels and clips are used and that the cables are replaced in the same position.

The screws for the different components vary in size. During the disassembly process, group the screws with the corresponding components to avoid mismatch when putting back the components.

The product previews seen in the disassembly procedures may not represent the final product color or configuration.

Recommended Equipment

To disassemble the computer, the following tools are recommended:

- Wrist grounding strap and conductive mat for preventing electrostatic discharge
- Pick
- Metal or plastic spudger
- Phillips screwdriver
- TORX screwdriver
- Plastic tweezers
- Steel tweezers

Replacement Requirements

⇒ NOTE:

Cabling and components require adhesive to be applied during the replacement and reassembly process.

Pre-disassembly Instructions

Before proceeding with the disassembly procedure, make sure to do the following:

1. Turn off the power to the system and all peripherals.
2. Unplug the AC adapter and all power and signal cables from the system.
3. Place the system on a flat, stable surface.



Figure 3-1. Front View

Disassembly Process

The disassembly process is divided into the following sections:

- Main unit disassembly

The flowcharts provided in the succeeding disassembly sections illustrate the entire disassembly sequence. Observe the order of the sequence to avoid damage to any of the hardware components.

Table 3-1. Main Screw List

Screw	Quantity	Picture	Location
M2.5mm*L2.3mm_D7.5mm_T0.6mm_Black	8		LCD Hinge 8
M2.0mm*L2.5mm_D4.5mm_T0.5mm_Silver	3		Thermal Module 3
M2.0mm*L4.0mm_D4mm_T0.7mm_Black	9		MB to Cover 3, Fan 2, Battery to Cover 2, UB to Cover 2
M2.0mm*L2.3mm_D7.5mm_T0.6mm_Black	2		Touchpad 2
M2.0mm*L2.0mm_D5.0mm_T0.5mm_Black	3		MB left down 1, SSD to Cover 1, WLAN to MB 1
M2.5mm*L5.5mm_D4.5mm_T0.8mm_Black	17		D cover 11, C Cover Hinge 6

Main Unit Disassembly Flowchart

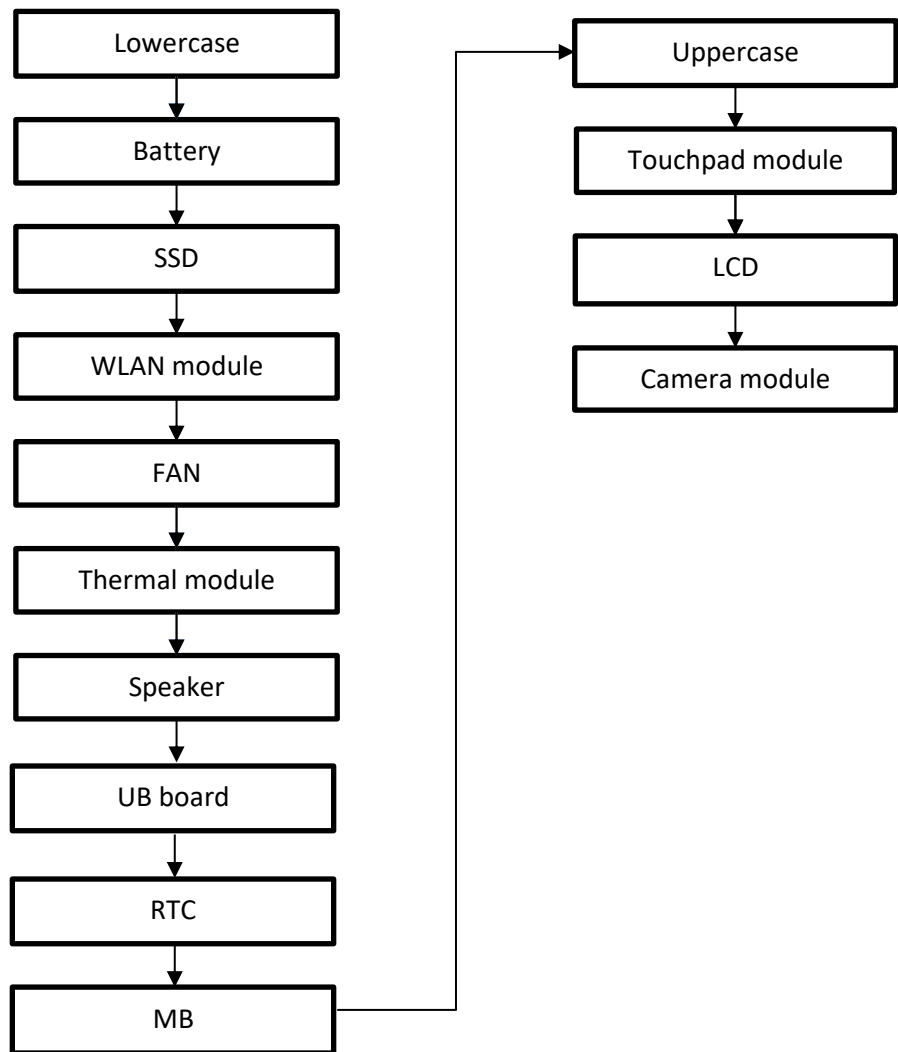


Figure 3-2. Main Unit Disassembly Flowchart

Removing the Lower case

- 1. Place the notebook on flat while lower case should be upwards. Use TORX screwdriver to remove 11 screws of lower case.

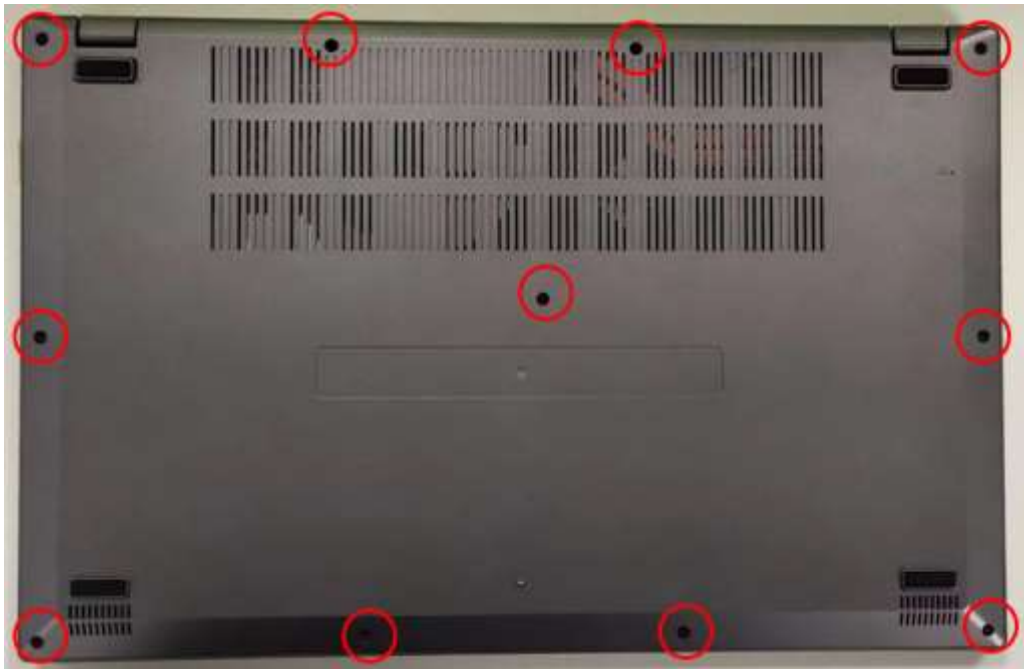


Figure 3-3. Lower case

Table 3-2. Lower case Screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Remove Lower case	M2.5mm*L5.5mm_D4.5mm_T0.8mm _Black	11		3.0±0.2 kgf • cm

1. Open the buckle with a pick as showed figure3-4, then remove the lower case from the bottom side as shown in picture.

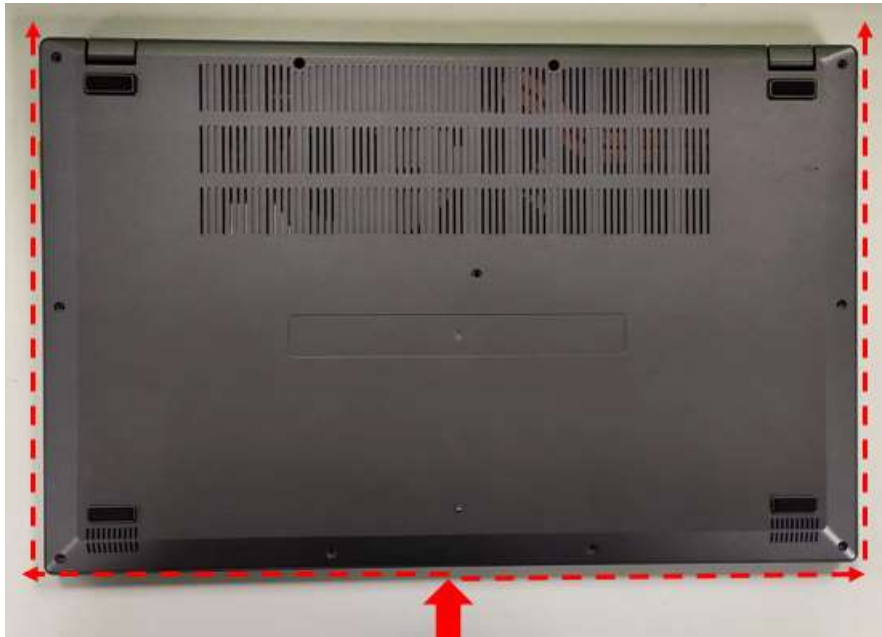


Figure 3-4. Lower case

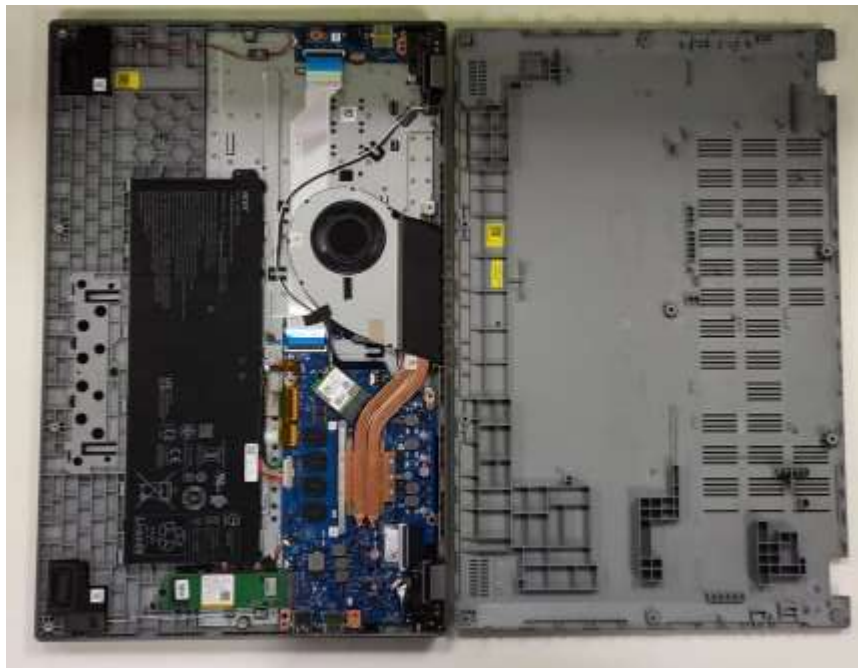


Figure 3-5. Lower case

Removing the Battery

1. Remove the acetate cloth from the battery



Figure 3-6. Battery

2. Disconnect the battery cable from the MB as shown in picture.

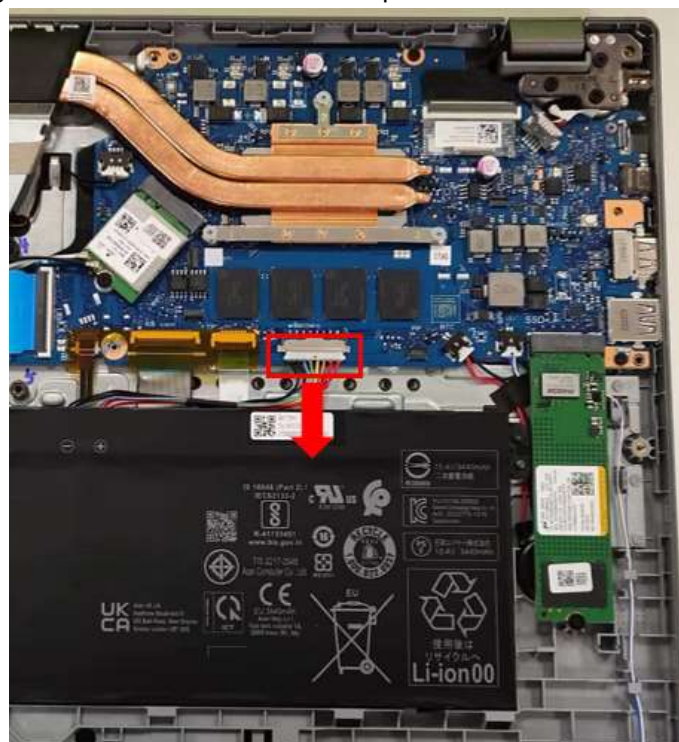


Figure 3-7. Battery

3. Remove two screws on the uppercase.

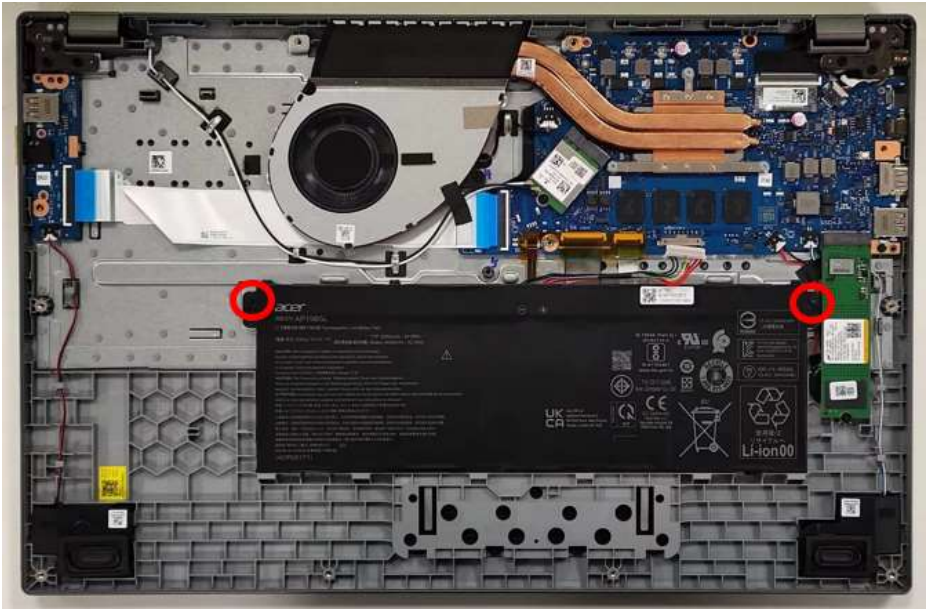


Figure 3-8. Battery
Table 3-3. Battery Screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Remove battery	M2.0mm*L4.0mm_D4mm_T0.7mm_ Black	2		2.1±0.1 kgf • cm

4. Remove the battery from the MB as shown in picture.



Figure 3-9. Battery

Removing the SSD

- 1. Remove 1 screw on the SSD.



Figure 3-10. SSD
Table 3-4. SSD Screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Remove SSD	M2.0mm*L2.0mm_D5.0mm_T0.5mm_ Black	1		2.1±0.1 kgf • cm

2. Remove SSD from MB.

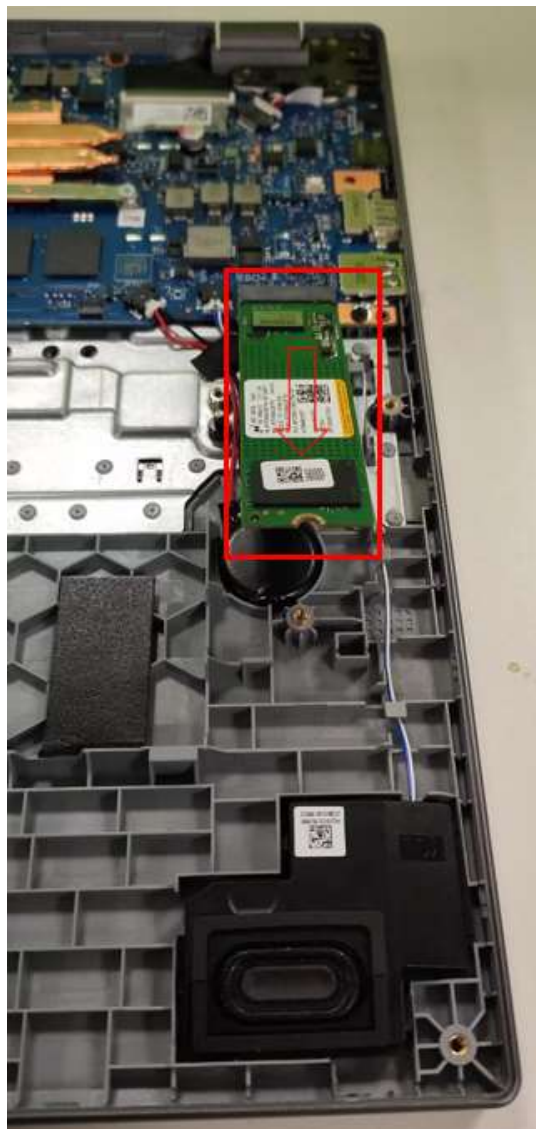


Figure 3-11. SSD

Removing the WLAN module

1. Remove the acetate cloth from the WLAN module

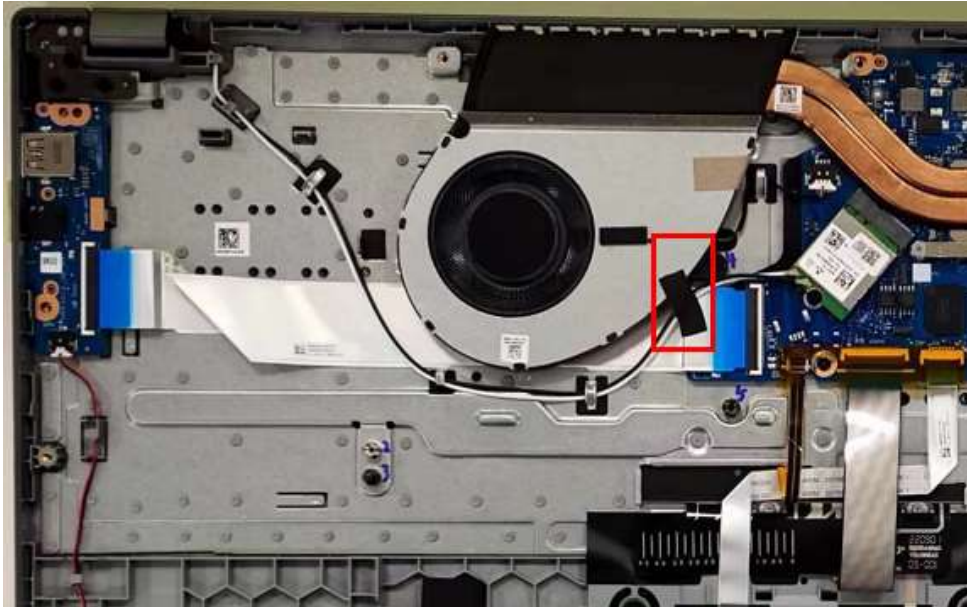


Figure 3-12. WLAN module

2. Disconnect the WLAN cable connectors on the WLAN module. Please notice the color and position.

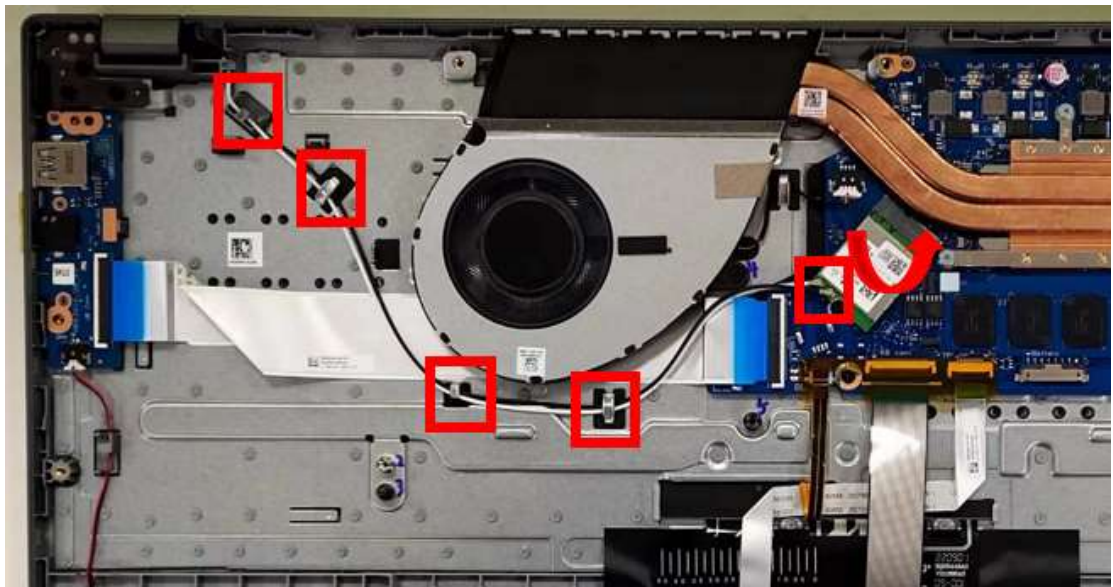


Figure 3-13. WLAN module

3. Remove 1 screw on the WLAN module.

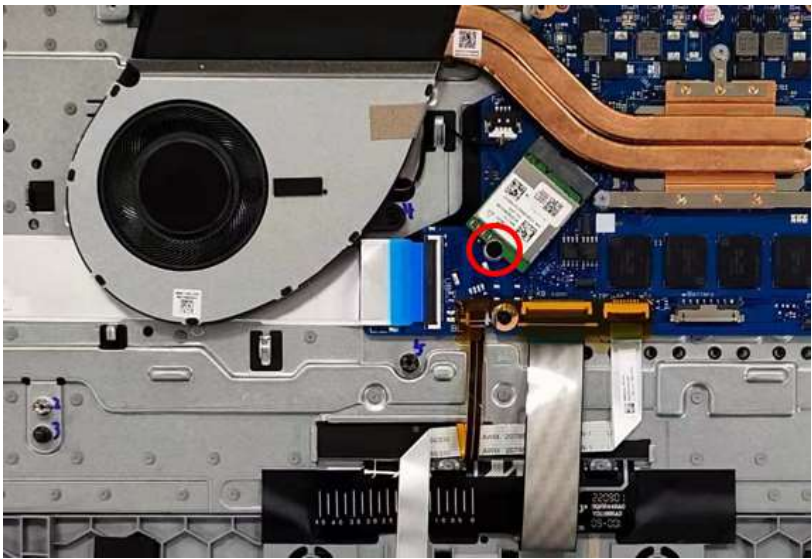


Figure 3-14. WLAN module

Table 3-5. WLAN Screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Remove WLAN	M2.0mm*L2.0mm_D5.0mm_T0.5mm_ Black	1		2.1±0.1 kgf • cm

4. Remove the WLAN module from the MB.

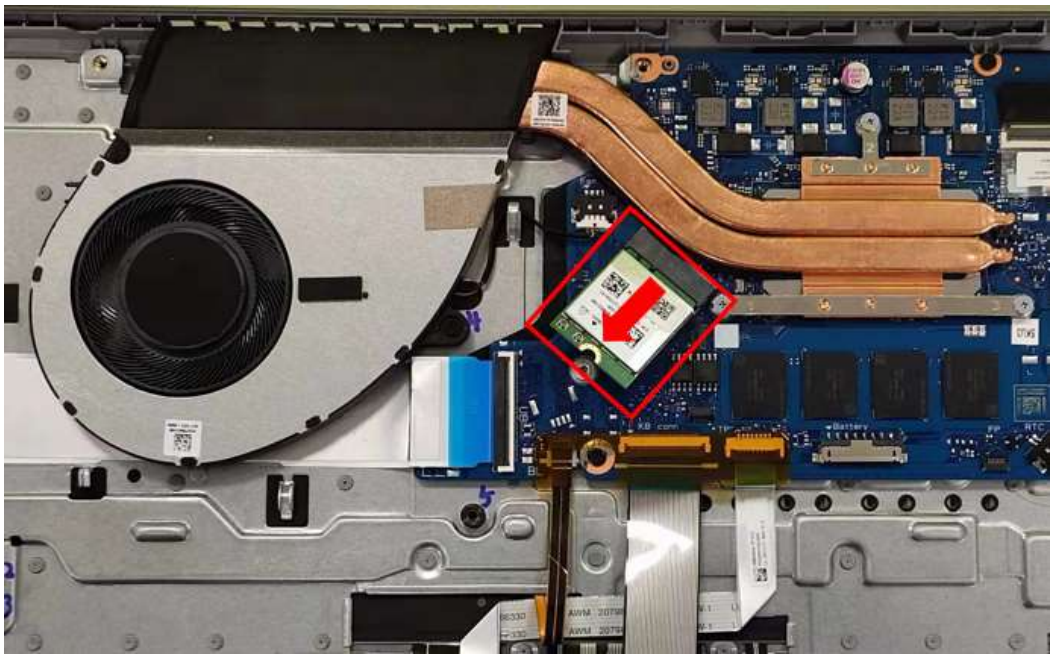


Figure 3-15. WLAN module

Removing the FAN

1. Disconnect the fan connector from the MB.

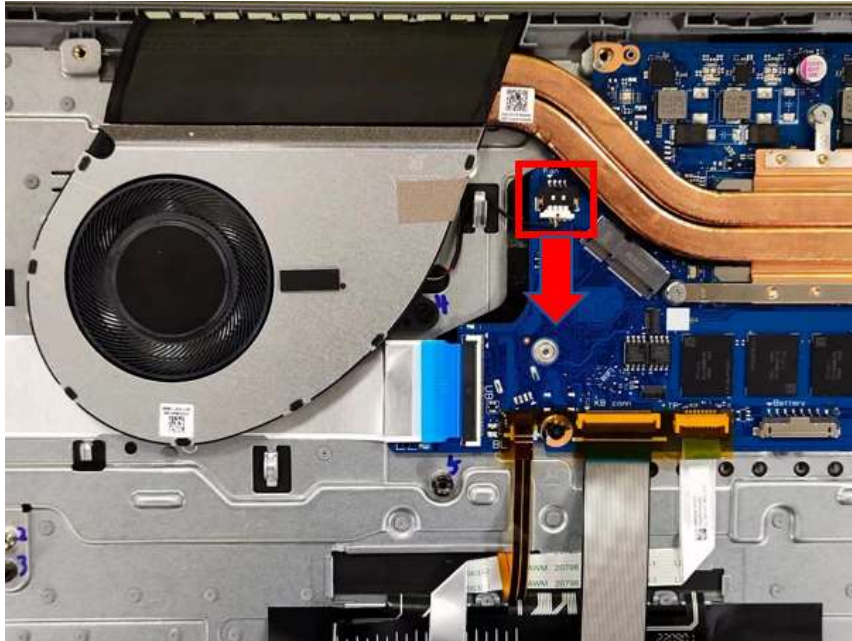


Figure 3-16. FAN

2. Remove 2 screws on the FAN.

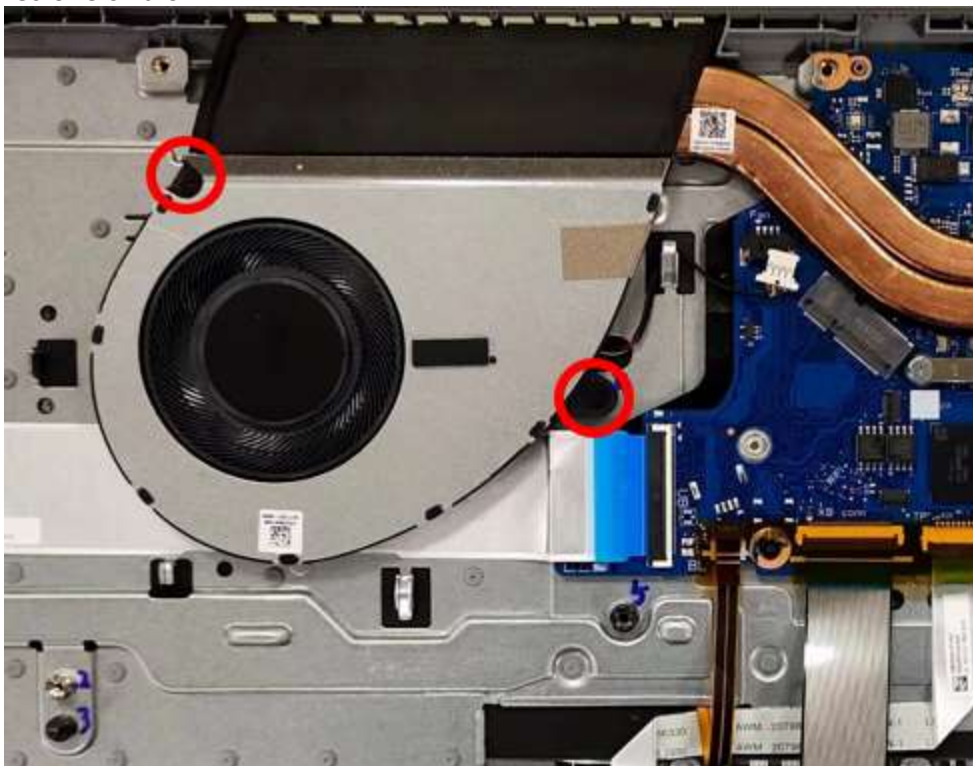


Figure 3-17. FAN

Table 3-6. FAN Screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Remove FAN	M2.0mm*L4.0mm_D4mm_T0.7mm_Black	2		2.1 ± 0.1 kgf • cm

- Remove the fan from the MB.

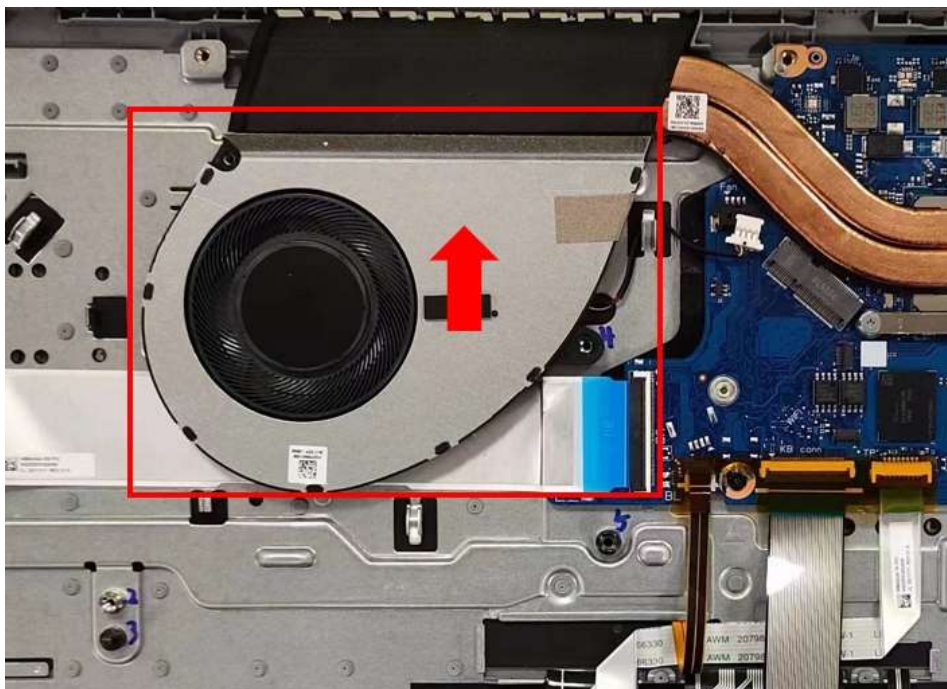


Figure 3-18. FAN

Removing the Thermal module

- 1. Remove 3 screws on the thermal module.

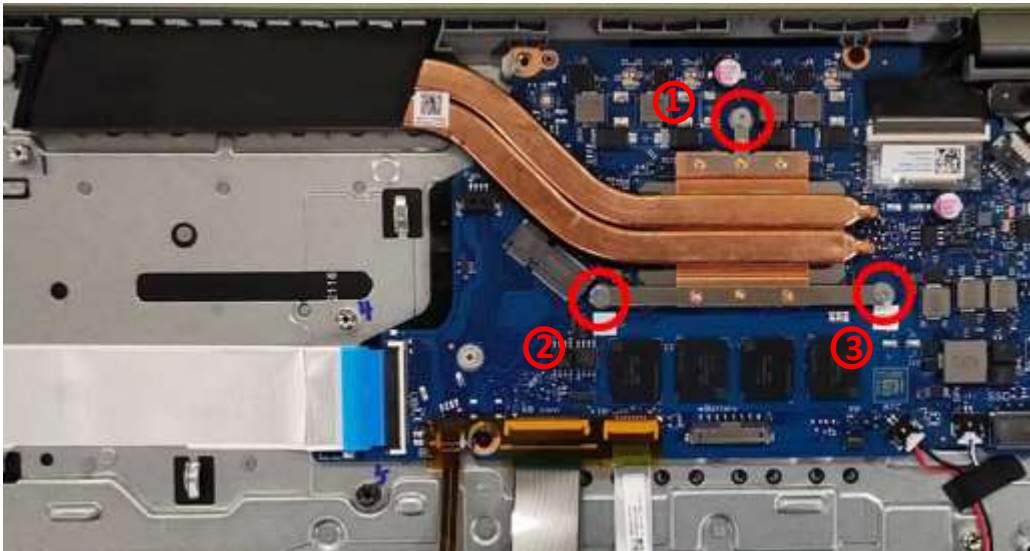


Figure 3-19. Thermal module

Table 3-7. Thermal module Screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Remove thermal module	M2.0mm*L2.5mm_D4.5mm_T0.5mm_Silver	3		2.1 ± 0.1 kgf • cm

- 2. Lift up the thermal module with both hands from the uppercase.

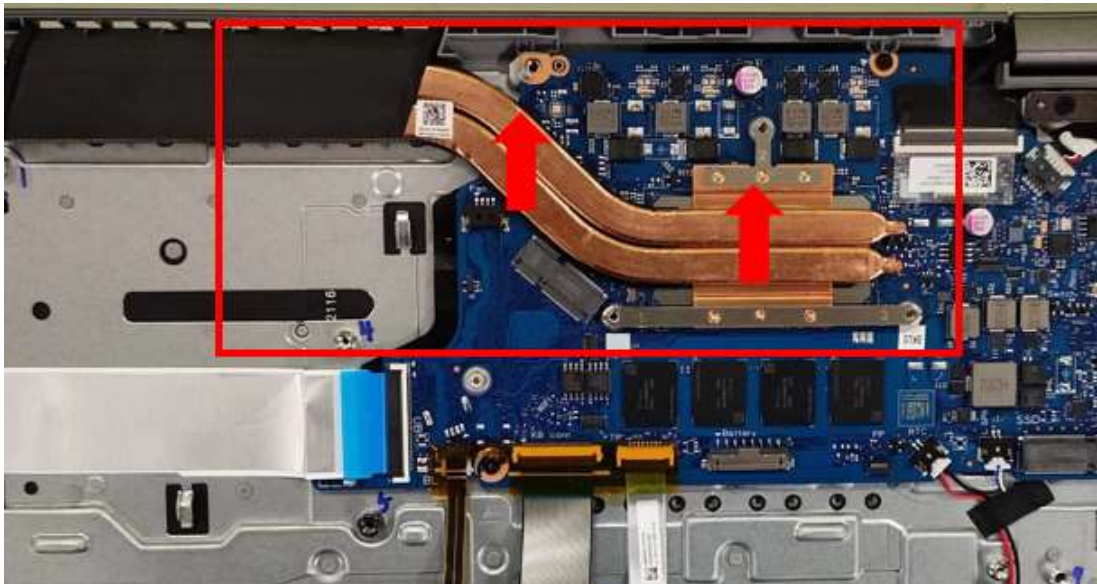


Figure 3-20. Thermal module

Removing the Speaker

1. Remove the acetate cloth from the right speaker.

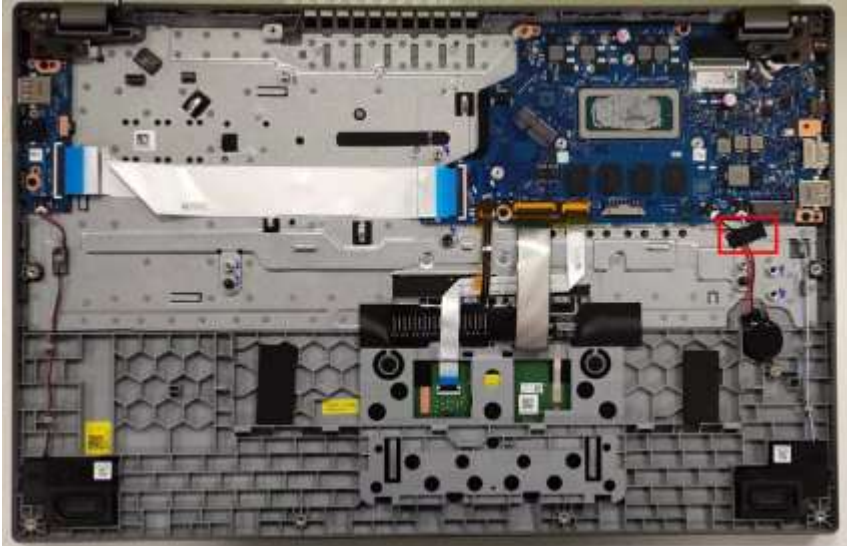


Figure 3-21. speaker

2. Disconnect the right and left speaker connector from the MB and UB board.

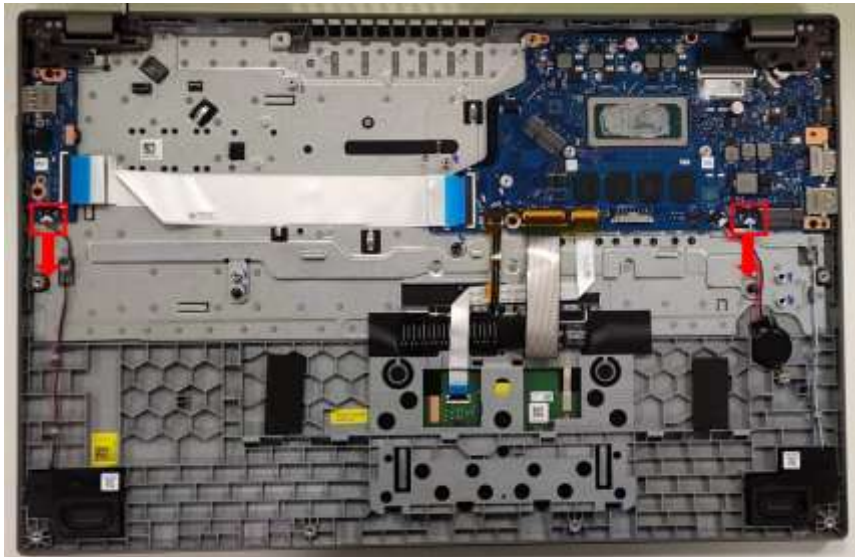


Figure 3-22. speaker

3. Remove the speaker and remove the wire from the wiring through.

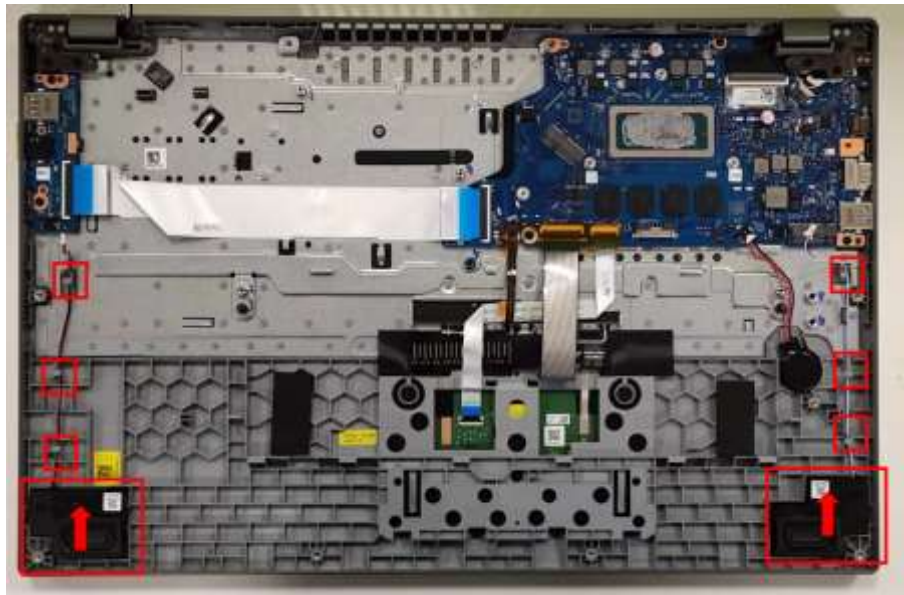


Figure 3-23. speaker

Removing the UB board

- 1. Disconnect the UB FFC connector on the MB and UB, then remove the UB FFC.

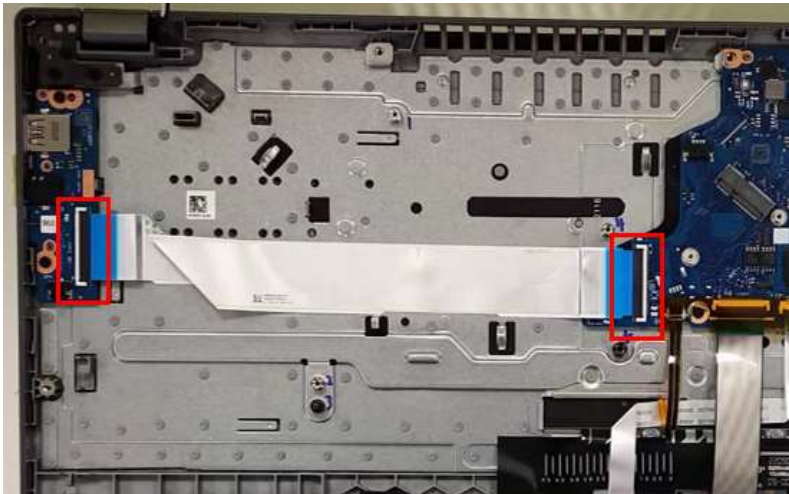


Figure 3-24. UB board

- 2. Remove 2 screws on the UB board then remove the UB.



Figure 3-25. UB board

Table 3-8. UB board screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Remove UB board	M2.0mm*L4.0mm_D4mm_T0.7mm_ Black	2		2.1 ± 0.1 kgf • cm

Removing the RTC

1. Disconnect the RTC connector on the MB, then remove the RTC.

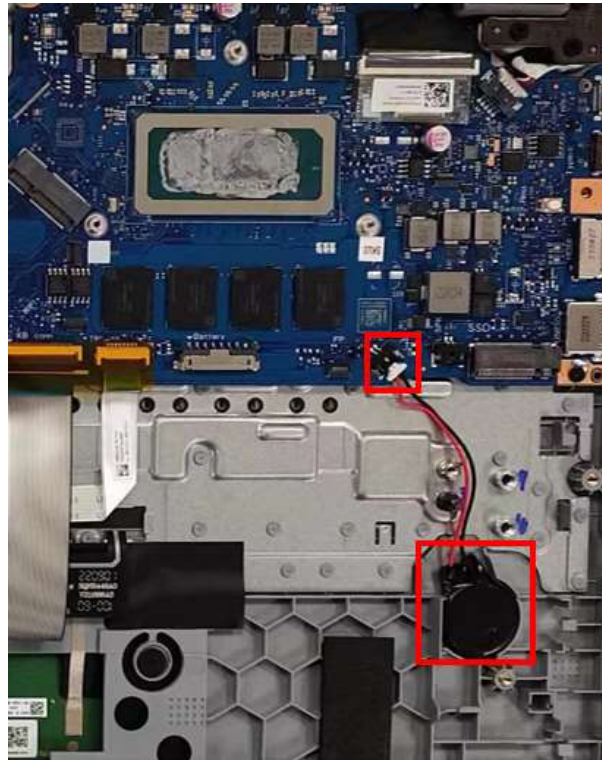


Figure 3-26. RTC Battery

Removing the MB

1. Remove the release paper from the KB FPC connector; lift the EDP cable by the mylar handle on the EDP cable connector.

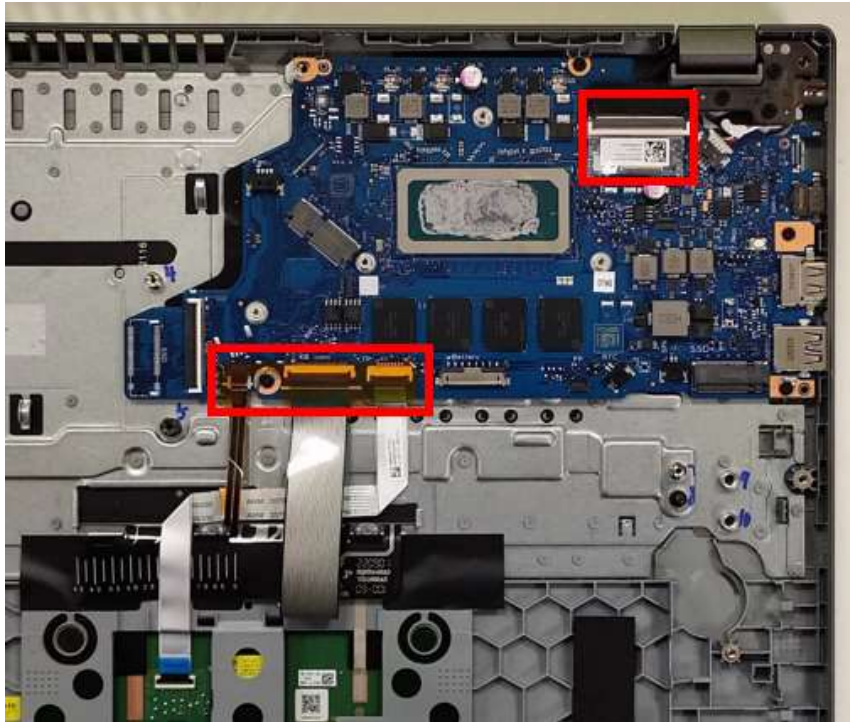


Figure 3-27. MB

2. Disconnect the KB FFC, DC-IN Cable, BL Cable, TP FFC, EDP-Cable from the MB.

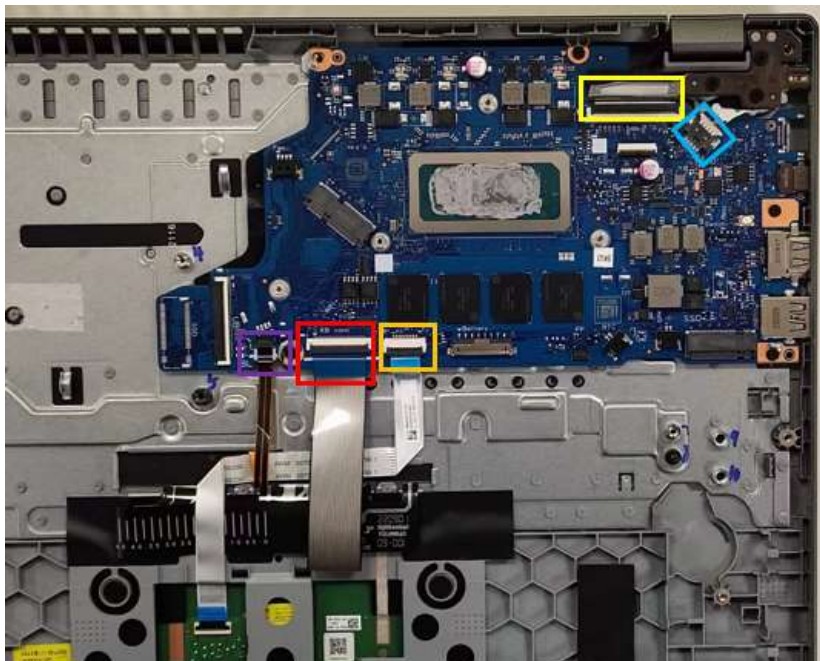


Figure 3-28. MB

3. Remove 3 screws from the MB

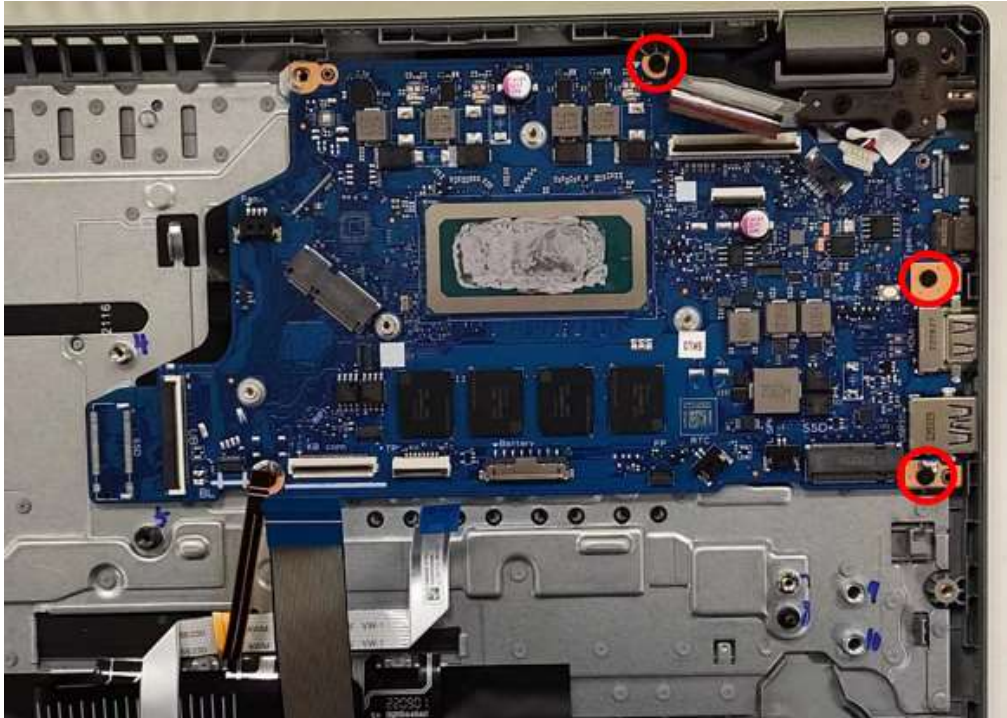


Figure 3-29. MB

Table 3-9. MB Screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Remove the MB	M2.0mm*L4.0mm_D4mm_T0.7mm_ Black	3		2.1 ± 0.1 kgf • cm

4. Remove 1 screw from the MB, then remove the MB from the uppercase



Figure 3-30. MB

Table 3-10. MB Screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Remove the MB	M2.0mm*L2.0mm_D5.0mm_T0.5mm_ Black	1		2.1±0.1 kgf • cm



Figure 3-31. MB TOP



Figure 3-32. MB BOTTOM

Removing the Uppercase

- 1. Remove 6 screws on the upper case.

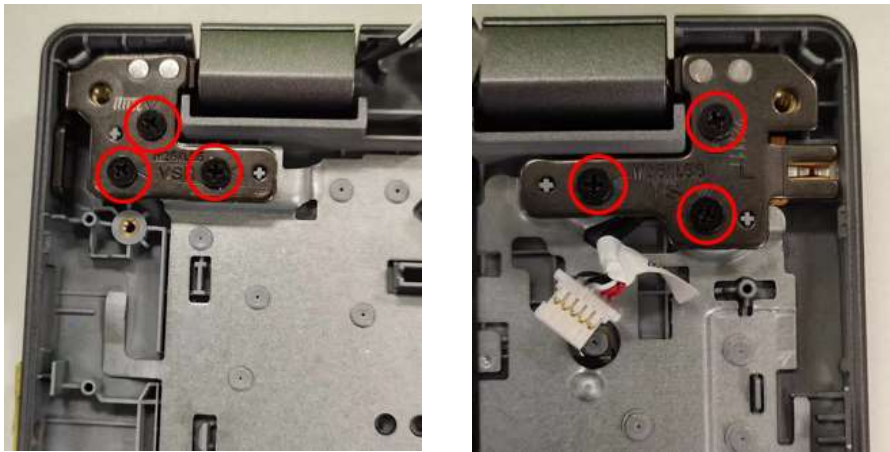


Figure 3-33. Uppercase

Table 3-11. Uppercase screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Remove uppercase	M2.5mm*L5.5mm_D4.5mm_T0.8mm_ Black	6		3.0±0.2 kgf • cm

- 2. Remove the uppercase.

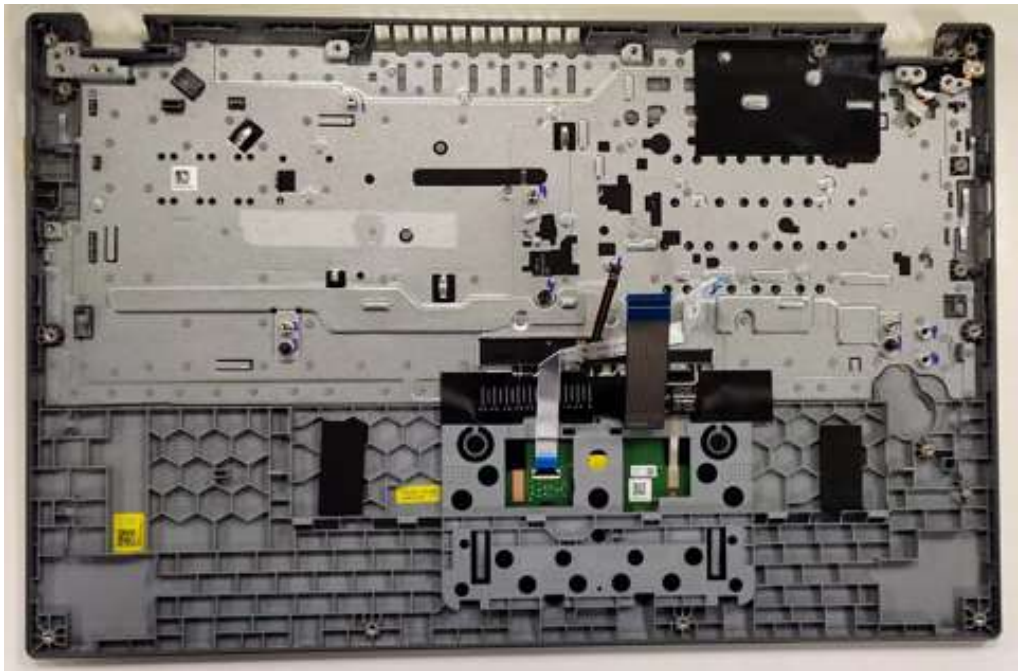


Figure 3-34. Uppercase

Removing DC-IN CABLE

1. Remove.DC-IN CABLE

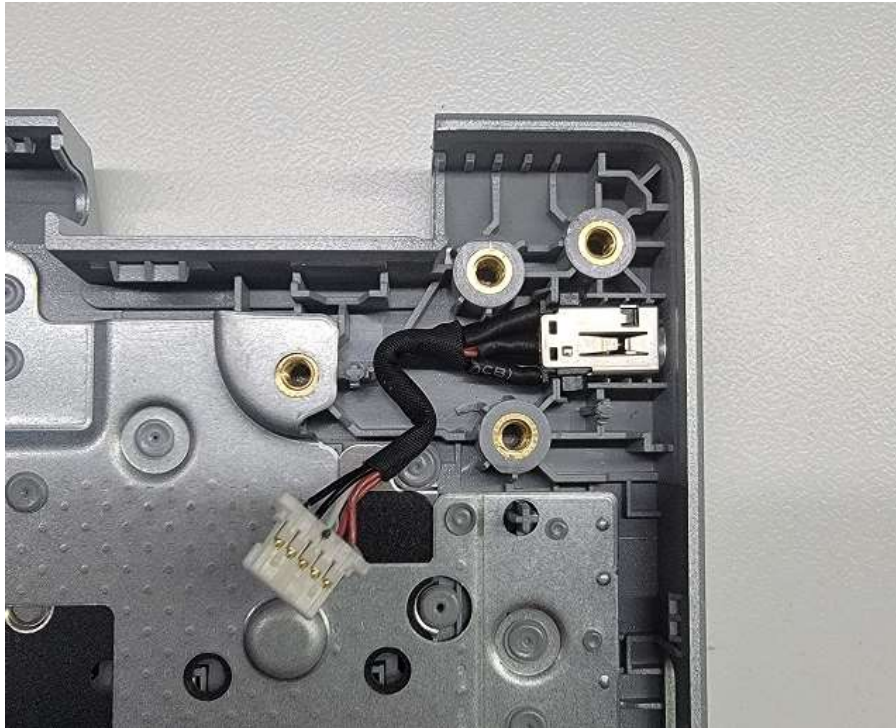


Figure 3-36. DC-IN CABLE

Removing the Touchpad module

1. Disconnect the TP-FFC and remove the mylar from the TP-Model.

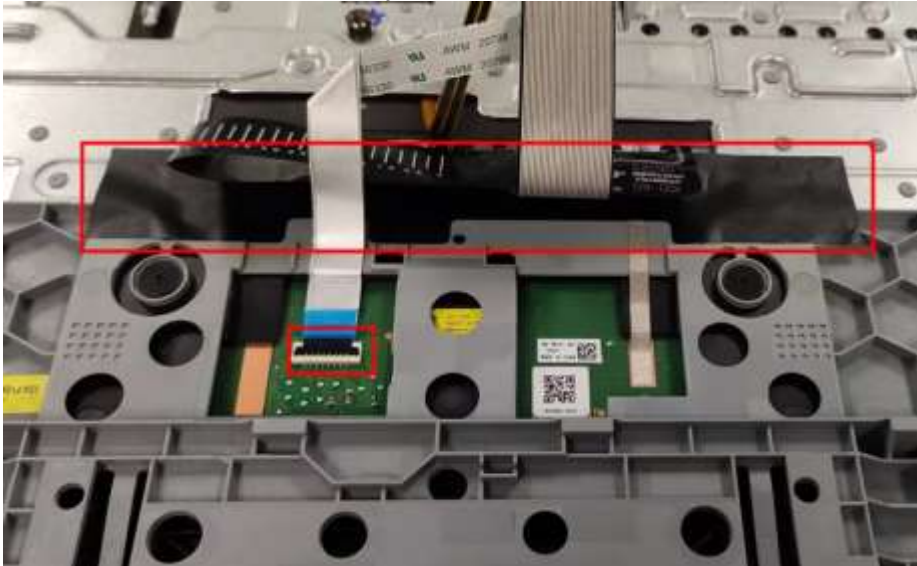


Figure 3-35. Touchpad

2. Remove the TP-Conductive cloth from TP-Model.



Figure 3-36. Touchpad

3. Remove 2 screws from the upper case.

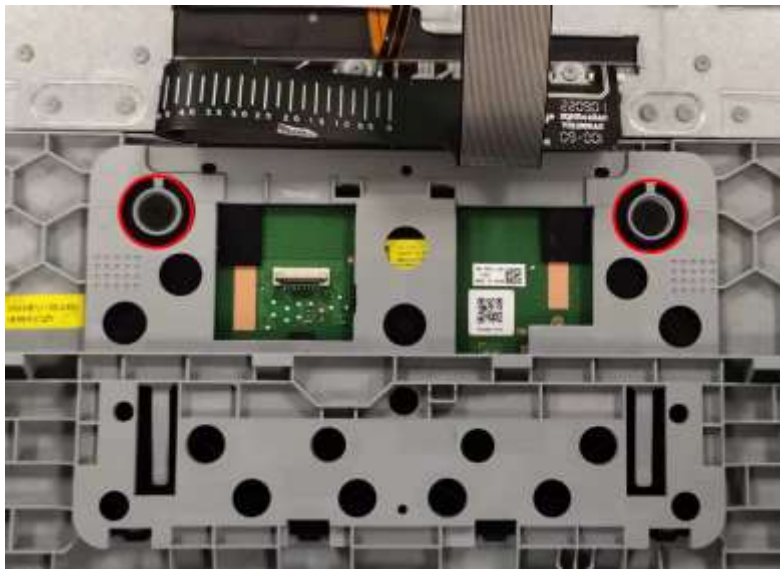


Figure 3-37. Touchpad module

Table 3-12. Touchpad screw

Step	Screw	Quantity	Screw Type	Torque/kgf • cm
Remove Touchpad module	M2.0mm*L2.3mm_D7.5mm_T0.6mm_ Black	2		2.1±0.1 kgf • cm

4. Remove the touchpad module from the upper case.

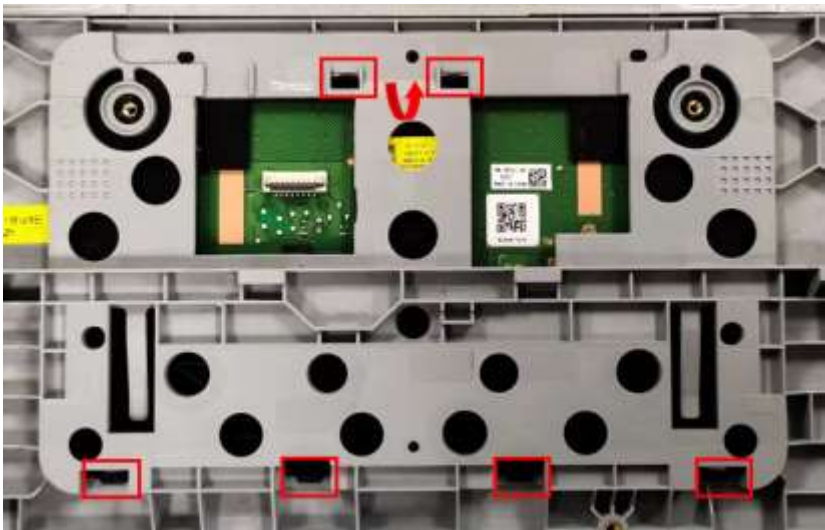
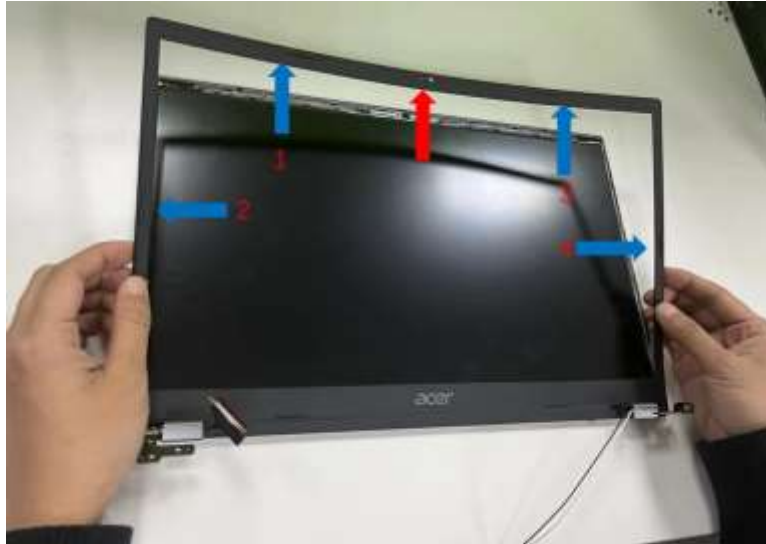


Figure 3-38. Touchpad module

Removing the LCD

1. Open the bezel in sequence as below, then remove the bezel from the LCD cover. Open the LCD ASSY with a spudger.

Open the up, left and right side of bezel at first, follow the sequence 1~4.



Open the down side from the inner middle, follow the direction of the arrow until the hinge cap (vertical line).



Open the hooks at left and right bottom corners, force toward the hinge cap and then remove the bezel.



Figure 3-39. LCD bezel

2. Pull the easy-pull-glue out of the LCD cover.



NOTE:

During the pulling, it is necessary to apply even force and smoothness, and the force is not too strong until the glue is pulled away from the LCD cover.



Figure 3-40. LCD

3. Flip the LCD panel from the top. Do not to pick up the LCD panel directly from the LCD cover.



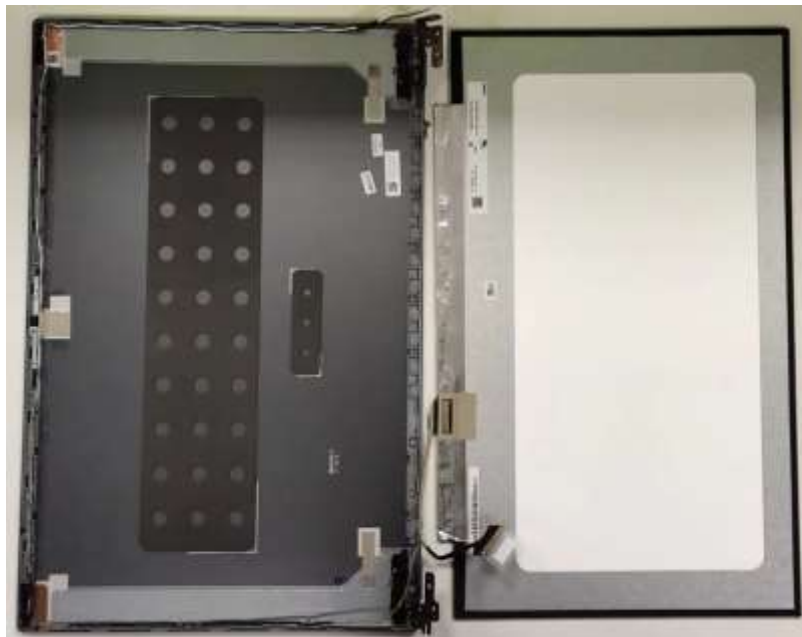
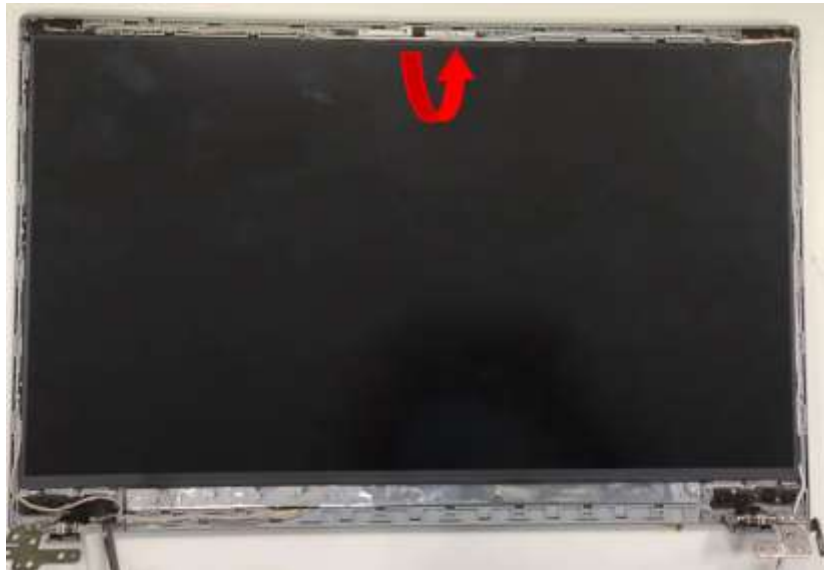


Figure 3-41. LCD panel

4. Peel off the conductive cloth on the LCD gently.

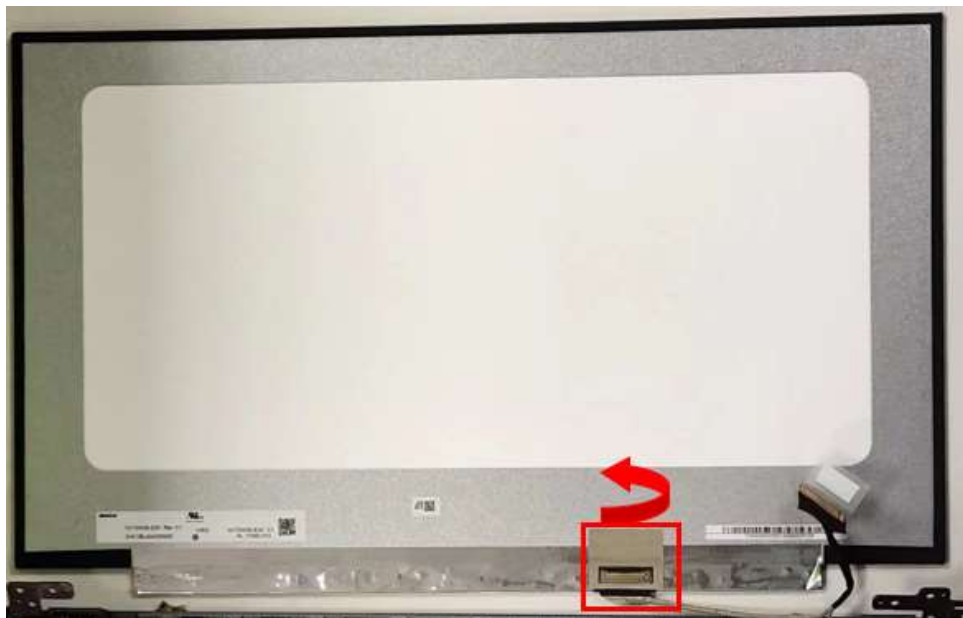


Figure 3-42. LCD panel

5. Open the latch then remove the LCD panel.



Figure 3-43. LCD panel

6. Disconnect the camera connectors.

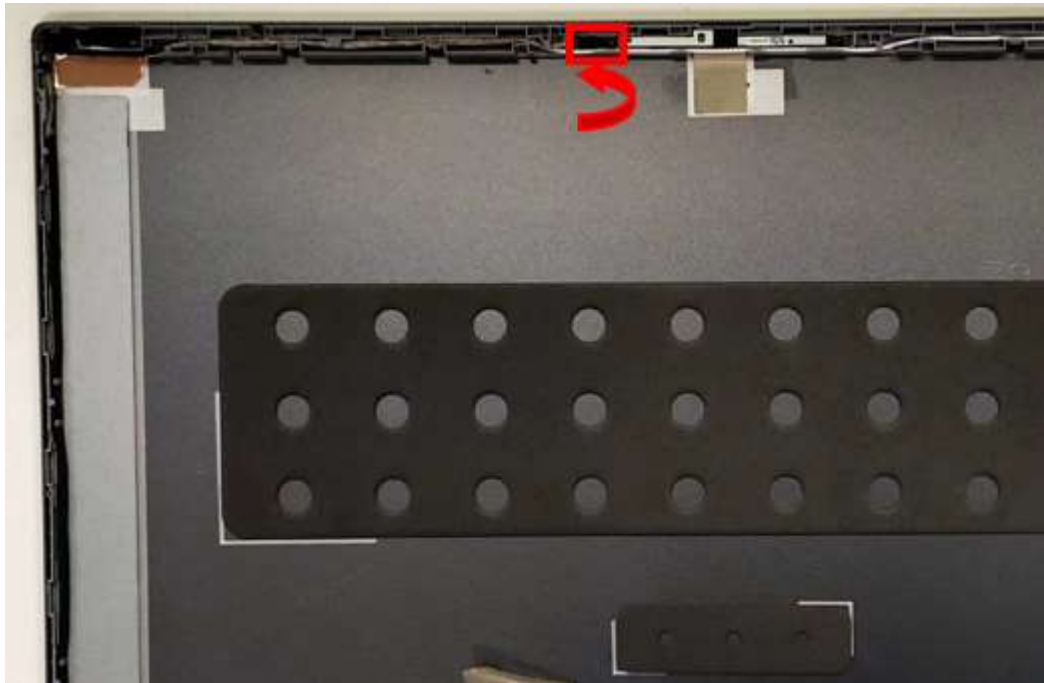
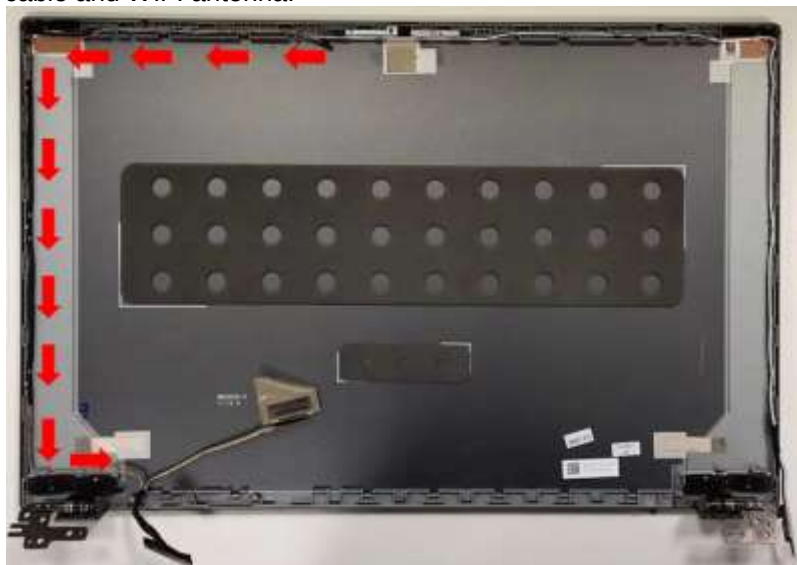


Figure 3-44. CAM

7. Remove EDP-cable and WIFI antenna.



EDP-Cable



WIFI antenna

Figure 3-45. LCD cable

Removing the Camera module

- 1. Remove the CAM-Model.

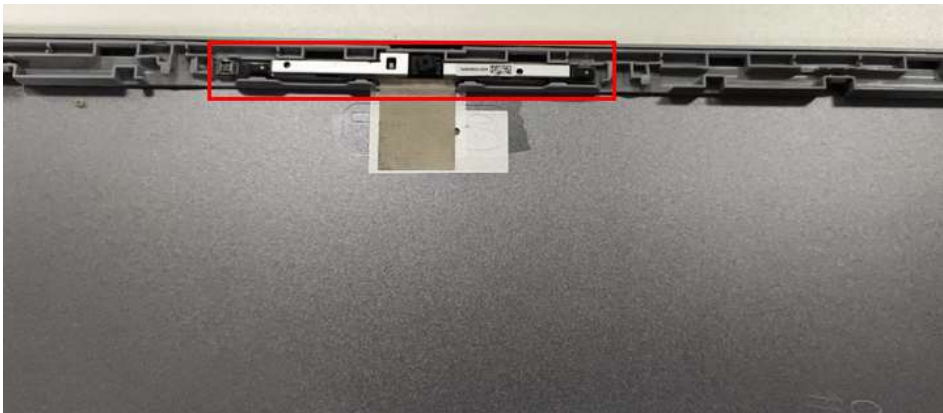


Figure 3-46. Camera module

- 2. Remove 8 screws from the Hinge bracket.



Figure 3-47. Hinge bracket

Table 3-13. Hinge Bracket Screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Remove Hinge Bracket	M2.5mm*L2.3mm_D7.5mm_T0.6 mm_Black	8		2.1±0.1 kgf • cm



Figure 3-48. Hinge

Assemble the Camera module

- 1. Assemble the hinge



Figure 3-49. Hinge

- 2. Replace 8 screws to the hinge bracket.



Figure 3-50. Hinge bracket

Table 3-14. Hinge Bracket Screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Replace Hinge Bracket	M2.5mm*L2.3mm_D7.5mm_T0.6 mm_Black	8		2.1±0.1 kgf • cm

3. Assembling the camera module to the LCD cove and attaching conductive cloth.

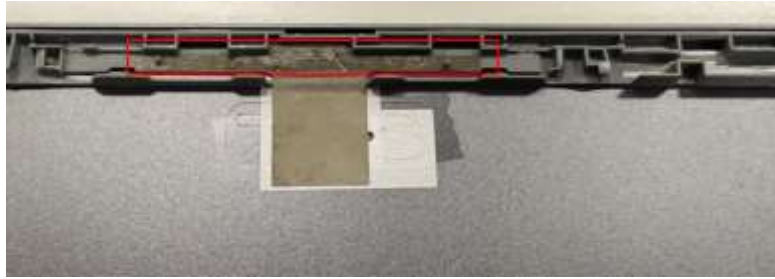


Figure 3-51. Camera module

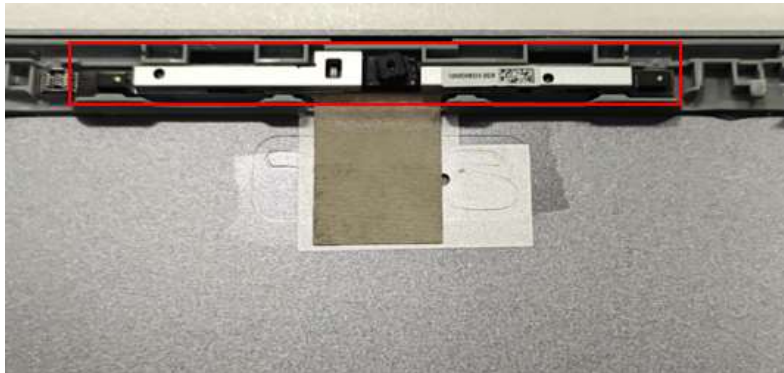


Figure 3-52. Camera module

Assemble the LCD

1. Take two easy-pull glues and assemble them according to the LCD cover mark line.



Figure 3-53. LCD panel

2. Assemble the WIFI antenna to the LCD cover mark hook.



Figure 3-54. LCD panel

3. Clear up the WIFI antenna to the LCD cover mark hook.



Figure 3-55. LCD panel

4. Connector the EDP-CABLE and paste the conductive cloth on the LCD.

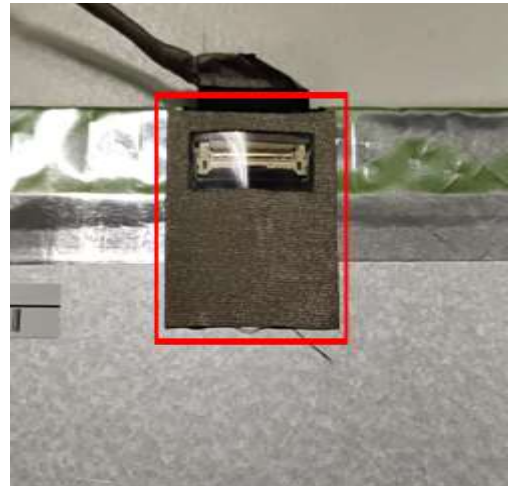
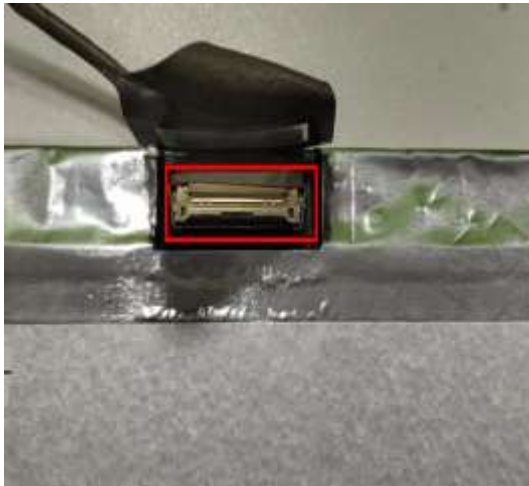
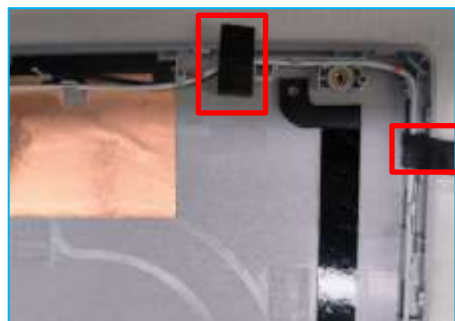


Figure 3-56. LCD panel

5. Take four Mylar to the LCD cover



6. Peel off the easy-pull-glue film, paste the LCD panel to LCD cover.

⇒NOTE:

After assembling the LCD panel, please press the LCD panel more than 15 seconds.

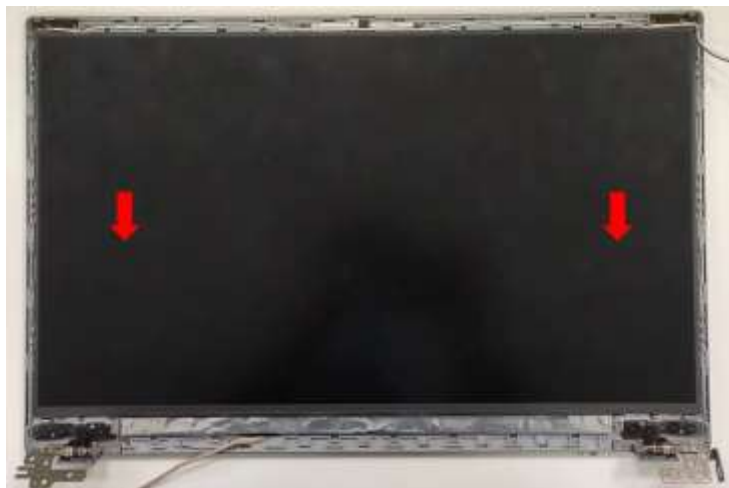


Figure 3-57. LCD panel

7. Connector the EDP-CABLE to the camera module.



Figure 3-58. LCD panel

8. Clear up the EDP-CABLE and the WIFI antenna,



Figure 3-59. EDP-CABLE



Figure 3-60. WIFI antenna

9. Assemble the LCD bezel to the LCD cover.



Figure 3-61. LCD bezel

Assemble the Touchpad module

1. Assemble the touch pad module to the upper case.

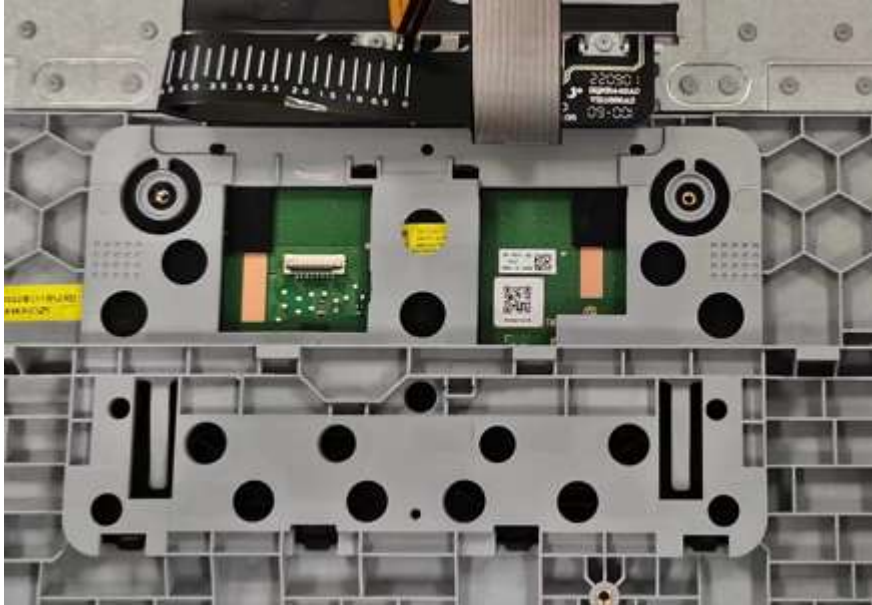


Figure 3-62. Touch pad module

2. Replace 2 screws to the upper case

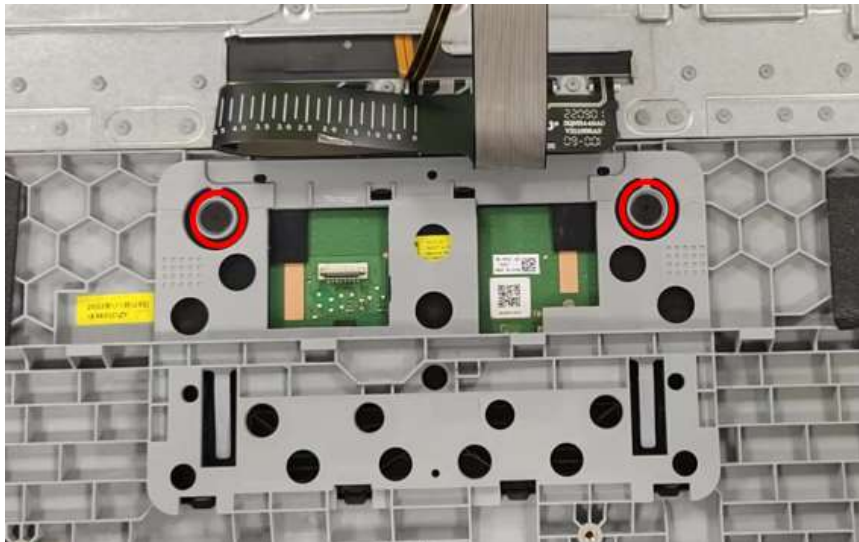


Figure 3-63. Touch pad module

Table 3-15. Touchpad Screw

Step	Screw	Quantity	Screw Type	Torque/kgfcm
Assemble Touch pad	M2.0mm*L2.3mm_D7.5mm_T0.6mm_Black	2		2.1±0.1kgf • cm

3. Attach the TP-Conductive cloth to TP-Model.

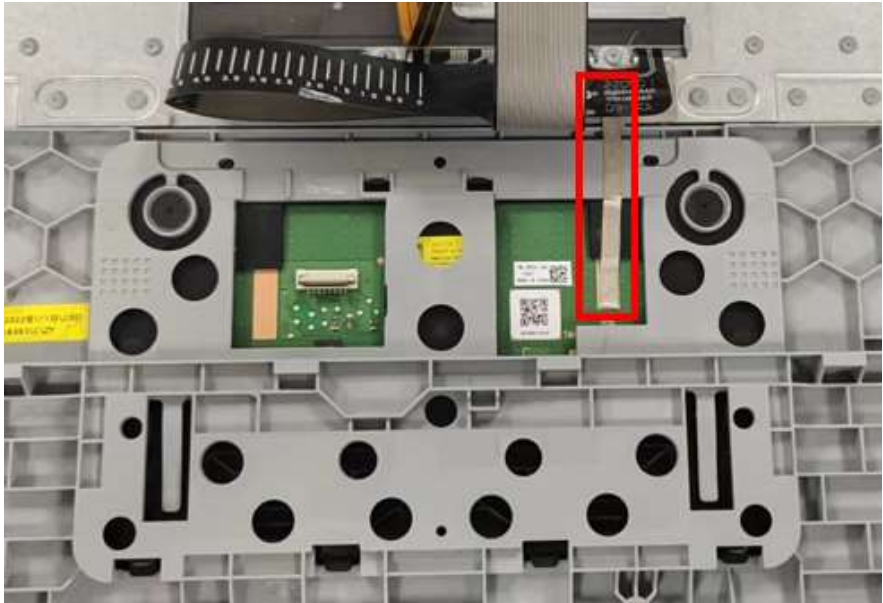


Figure 3-64. Touch pad module

4. Attach the sharding-mylar to the TP-Model.

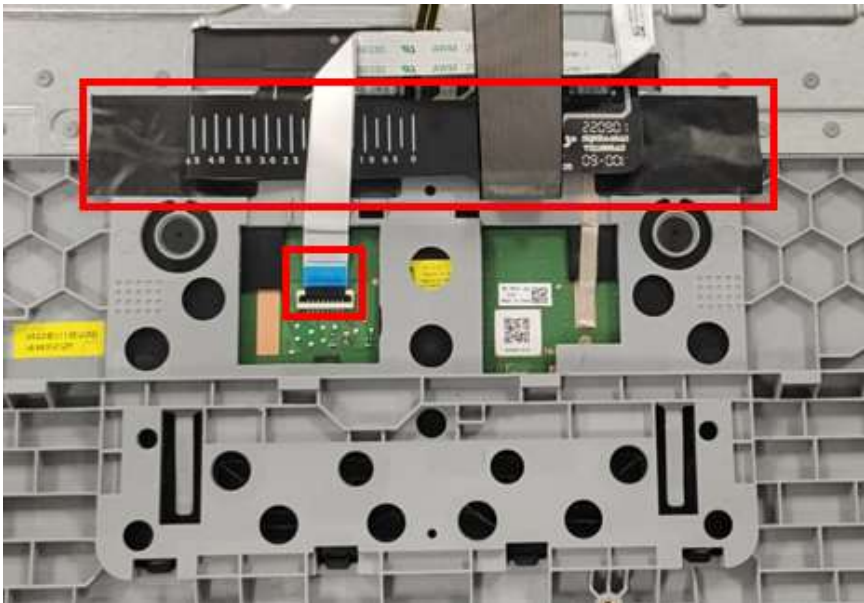


Figure 3-65. Touch pad module

Assemble the Uppercase

- 1. Assemble DC-IN cable and replace 6 screws on the upper case.

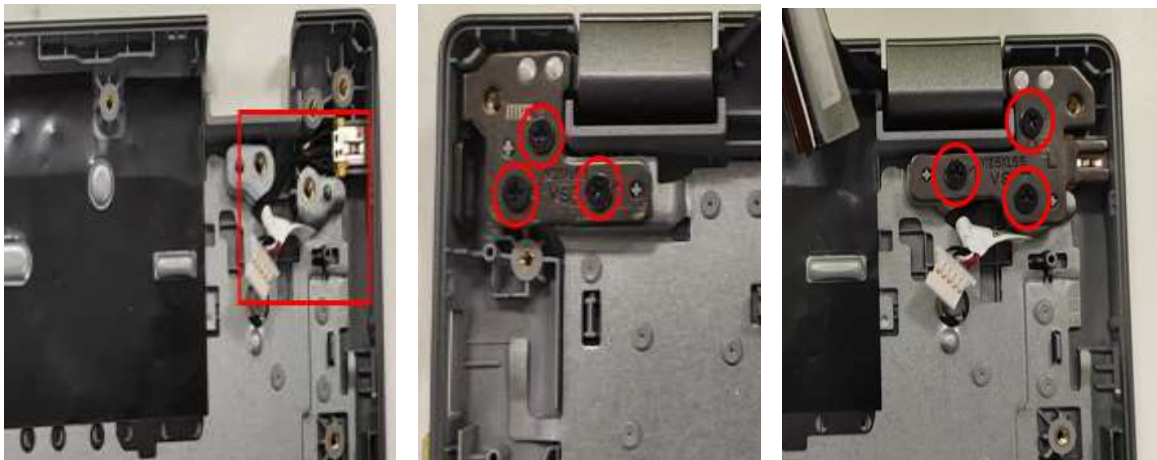


Figure 3-66. Uppercase

Table 3-16. Uppercase screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Assemble uppcase	M2.5mm*L5.5mm_D4.5mm_T0.8mm_ Black	6		3.0±0.2 kgf • cm

Assemble the MB

1. Replace the MB to the upper case from right side. Note that all cables cannot be under the MB.



Figure 3-67. MB

2. Replace 1 screw to the MB



Figure 3-68. MB
Table 3-17. MB Screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Asswmble the MB	M2.0mm*L2.0mm_D5.0mm_T0.5mm_ Black	1		2.1±0.1 kgf • cm

3. Replace 3 screws to the MB



Figure 3-69. MB

Table 3-18. MB Screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Assemble the MB	M2.0mm*L4.0mm_D4mm_T0.7mm_ Black	3		2.1 ± 0.1 kgf • cm

4. Connect the KB FFC, TP FFC, BL, EDP-Cable, DC-IN cable to the MB.



Figure 3-70. MB

5. Replace the release paper to the KB FFC and TP FFC connector.



Figure 3-71. MB

Assemble the UB board

1. Replace 2 screws on the UB board after assemble the UB board.

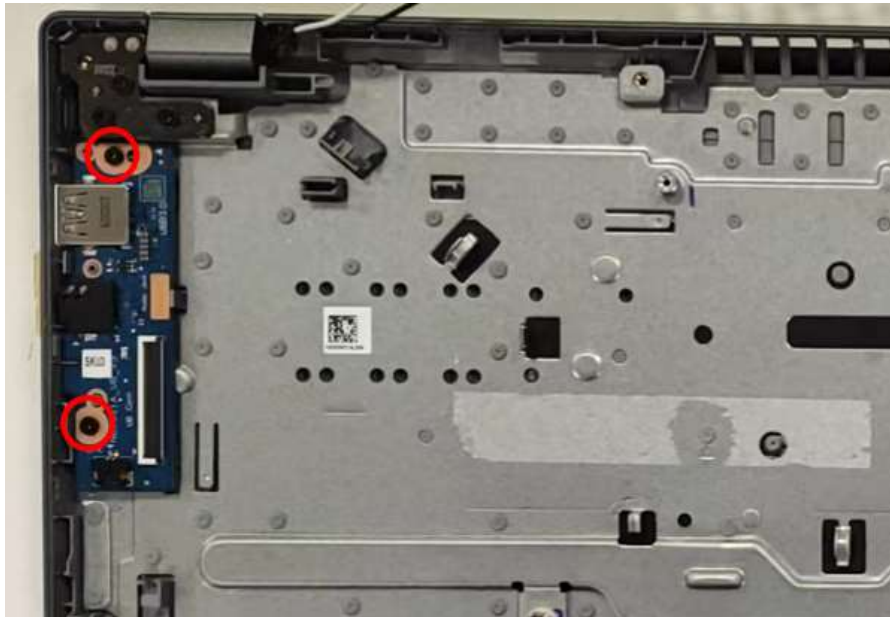


Figure 3-72. UB board

Table 3-19. UB board screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Assemble UB board	M2.0mm*L4.0mm_D4mm_T0.7mm_Black	2		2.1±0.1 kgf • cm

2. Connect the IO FFC connector on the MB and UB.

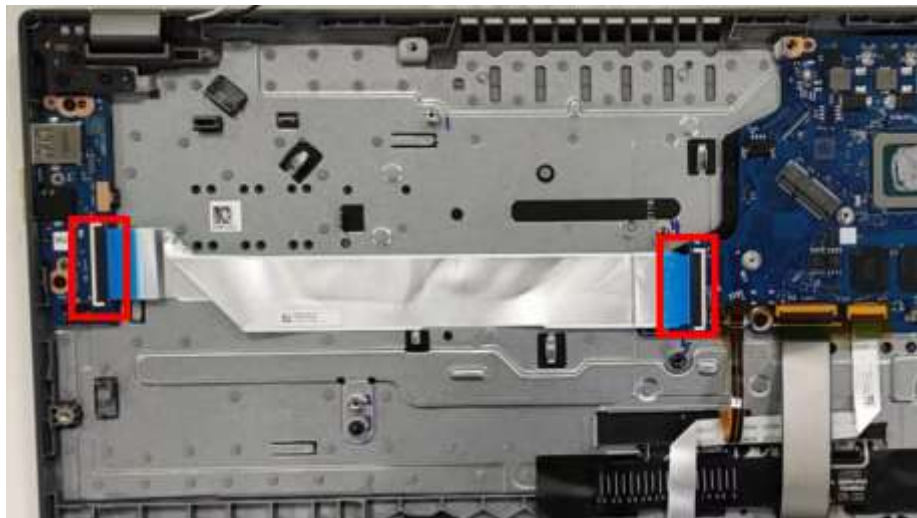


Figure 3-73. UB board

Replace the Thermal module

- 1. Assemble the thermal module with both hands from the uppcase.

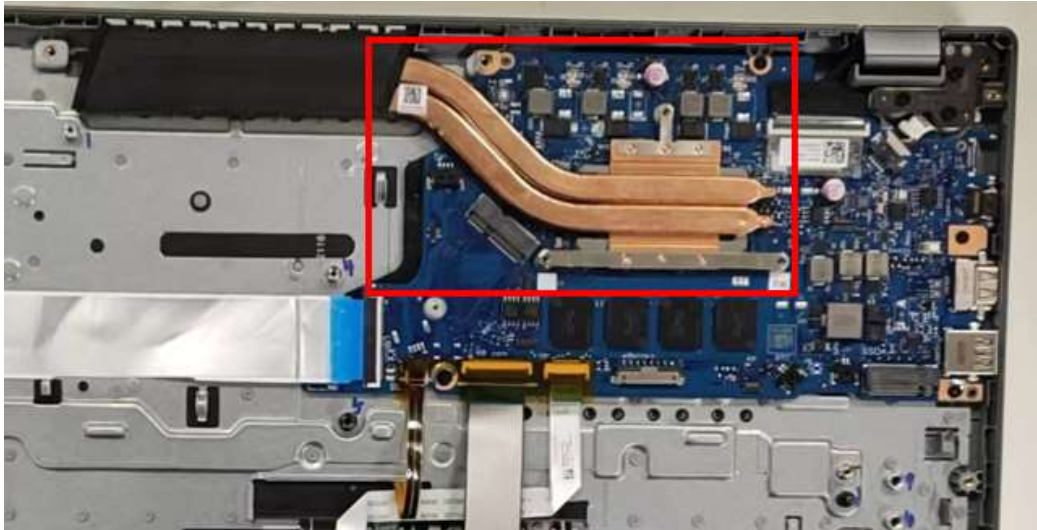


Figure 3-74. Thermal module

- 2. Replace 3 screws on the thermal module.

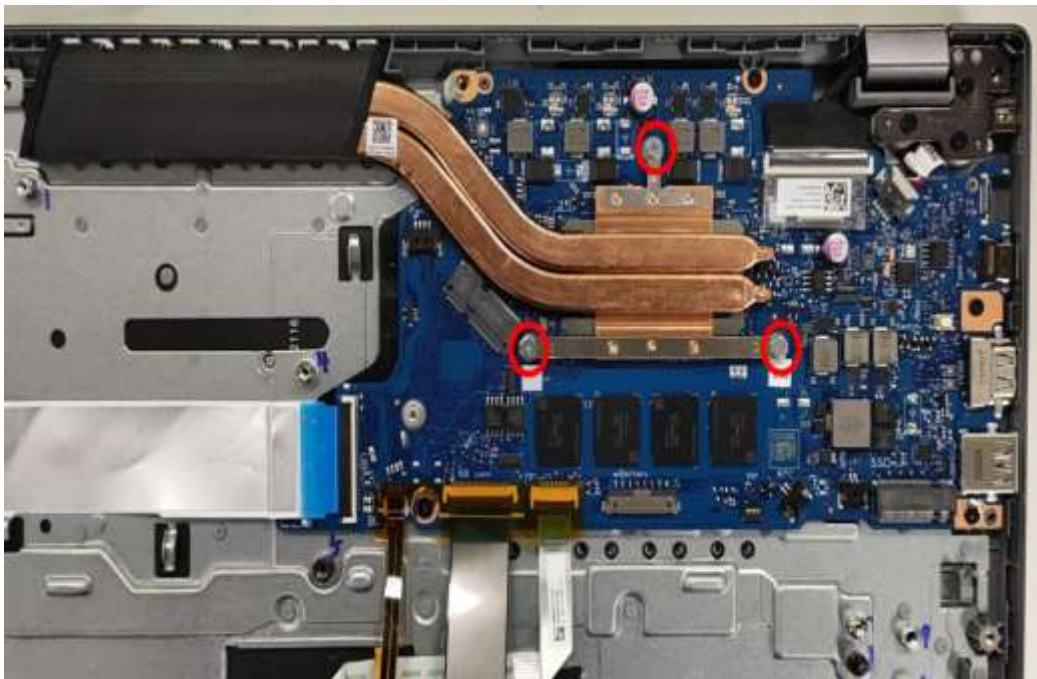


Figure 3-75. Thermal module

Table 3-20. Thermal module Screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Assemble thermal module	M2.0mm*L2.5mm_D4.5mm_T0.5mm_ Silver	3		2.1±0.1 kgf • cm

Replace the FAN

1. Assemble the fan.



NOTE:

The new fan needs to be affixed to the FAN SINGLE-SIDED CONDUCTIVE CLOTH.



Figure 3-76. FAN

2. Connector the fan to the MB.

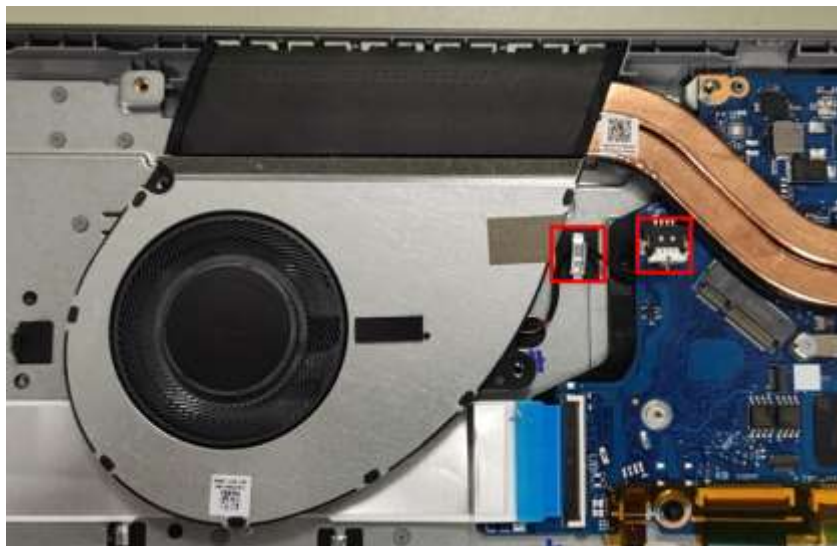


Figure 3-76. FAN

3. Replace 2 screws on the FAN

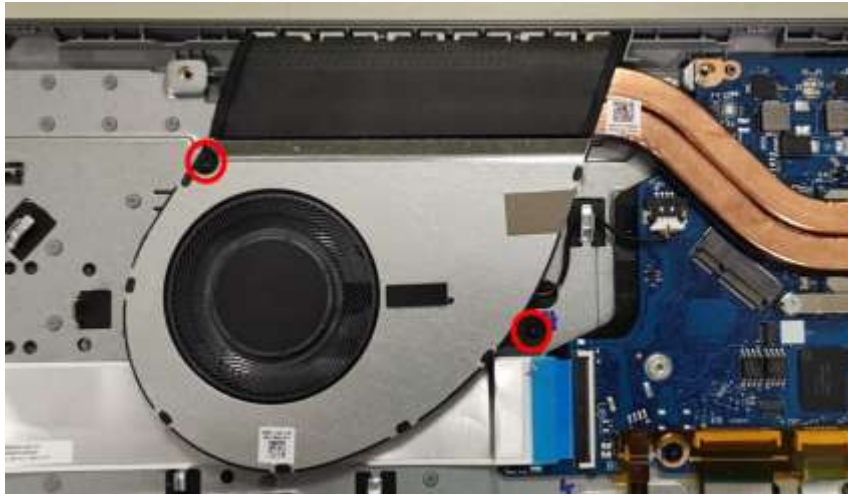


Figure 3-77. FAN

Table 3-21. FAN Screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Assemble FAN	M2.0mm*L4.0mm_D4mm_T0. 7mm_ Black	2		2.1 ± 0.1 kgf • cm

Replace the WLAN module

- 1. Assemble the WLAN module.



Figure 3-78. WLAN module

- 2. Replace 1 screw on the WLAN module.



Figure 3-79. WLAN module

Table 3-22. WLAN Screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Assemble WLAN	M2.0mm*L2.0mm_D5.0mm_T0.5mm_ Black	1		2.1±0.1 kgf • cm

- 3. Connect the WLAN cable connectors on the WLAN module.



Figure 3-80. WLAN module

4. Attach acetate cloth to the WLAN cable



Figure 3-81. WLAN module

Replace the speaker

1. Assemble 2 speakers left and right.

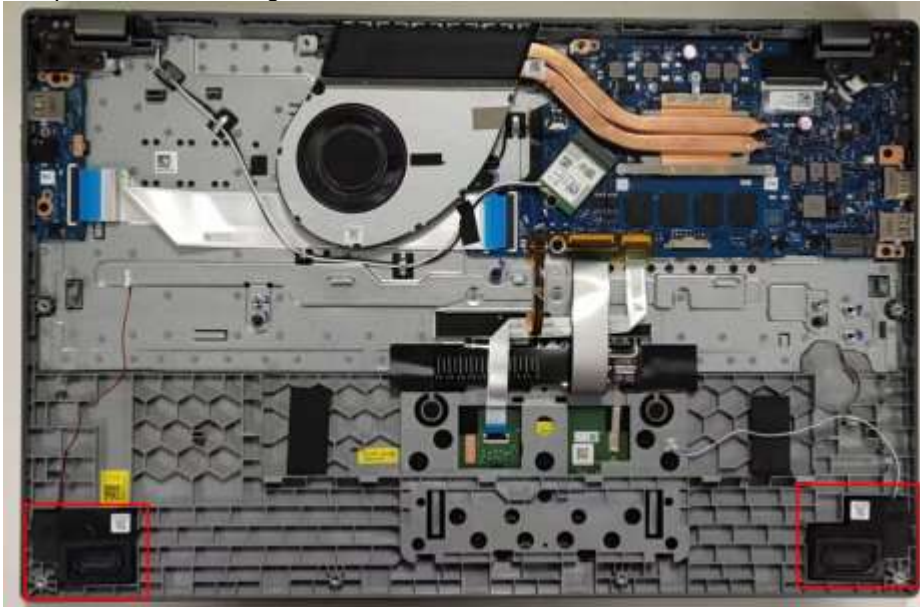


Figure 3-82. Speaker

2. Group the horn wires into the wiring trough and insert horn connector.

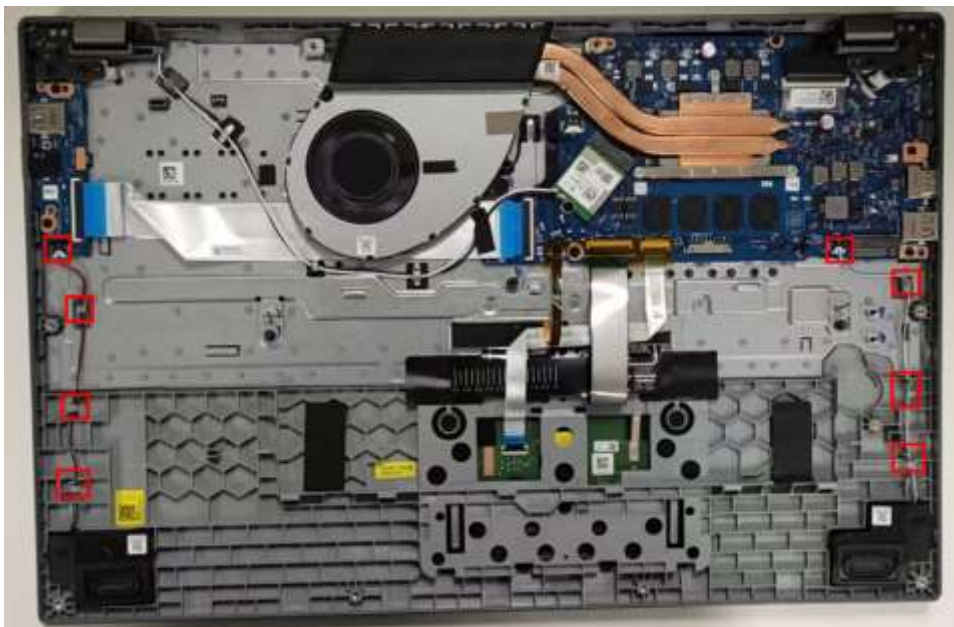


Figure 3-83. Speaker

Replace the RTC

1. Assemble the RTC.

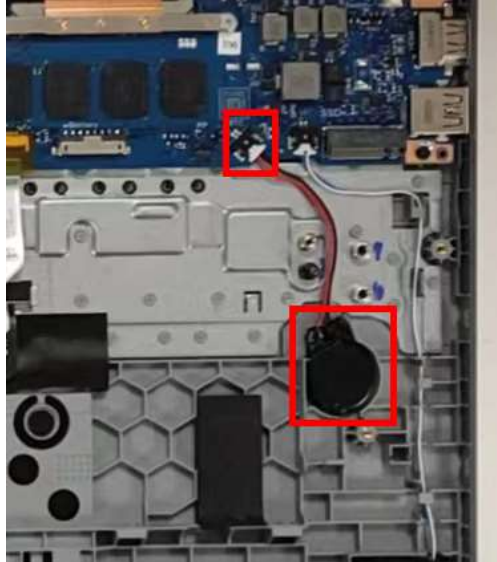


Figure 3-84. The RTC

2. Attach acetate cloth to the RTC cable and the right speaker cable.

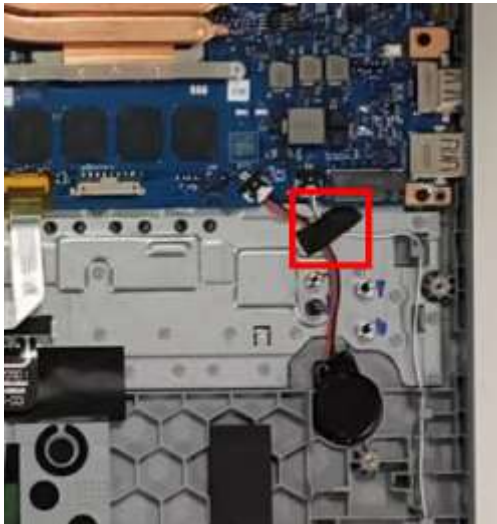


Figure 3-85. The RTC

Replace the SSD

- 1. Assemble the SSD.

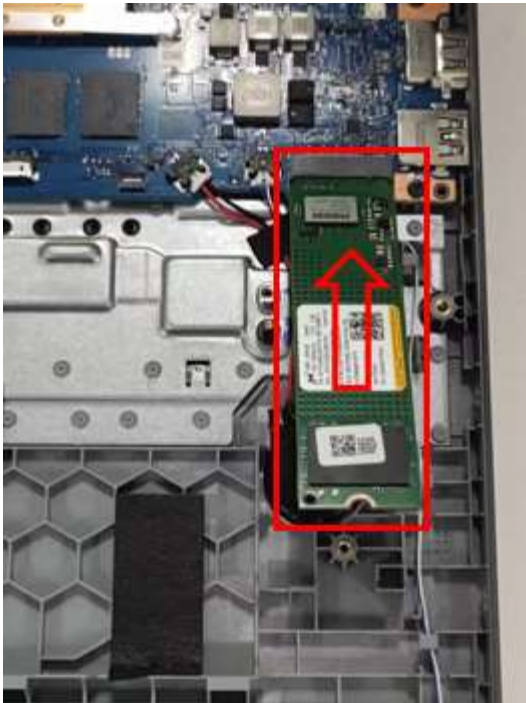


Figure 3-86. SSD

- 2. Replace 1 screw to SSD.



Figure 3-87. SSD

Table 3-23. SSD Screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Assemble SSD	M2.0mm*L2.0mm_D5.0mm_T0.5mm_ Black	1		2.1±0.1 kgf • cm

Replace the Battery

1. Replace the battery to the MB as shown in picture.



Figure 3-88. Battery

2. Replace the acetate cloth to the battery



Figure 3-89. Battery

3. Replace two screws on the uppercase.



Figure 3-90. Battery

Table 3-24. Battery Screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Replace battery	M2.0mm*L4.0mm_D4mm_T0.7mm_ Black	2		2.1±0.1 kgf • cm

4. Connect the battery cable from the MB as shown in picture.



Figure 3-91. Battery

Replace the Lower case

- 1. Use TORX screwdriver to assemble 11 screws to the lowercase.

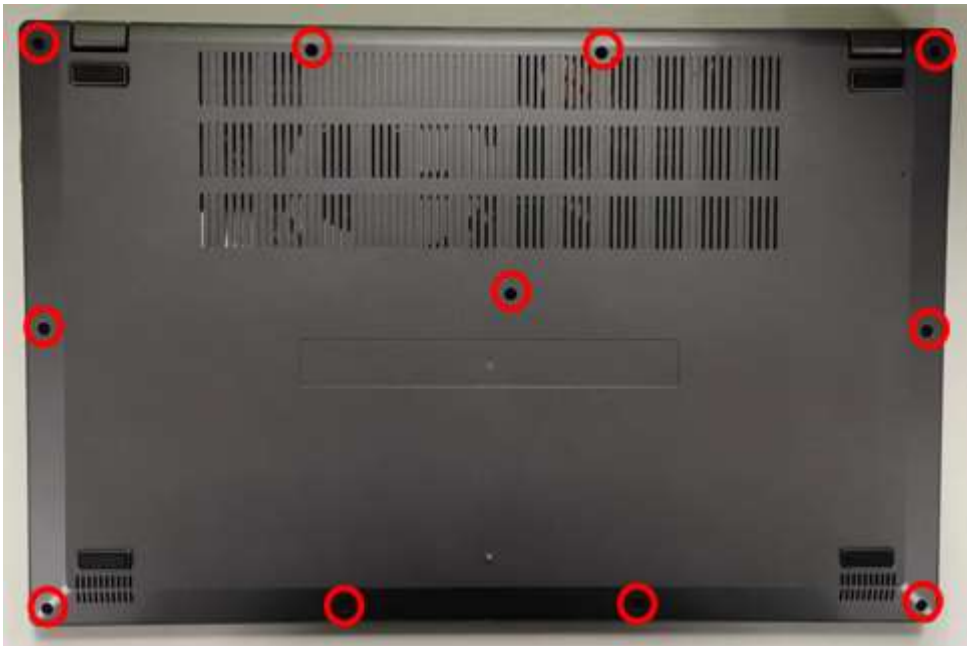
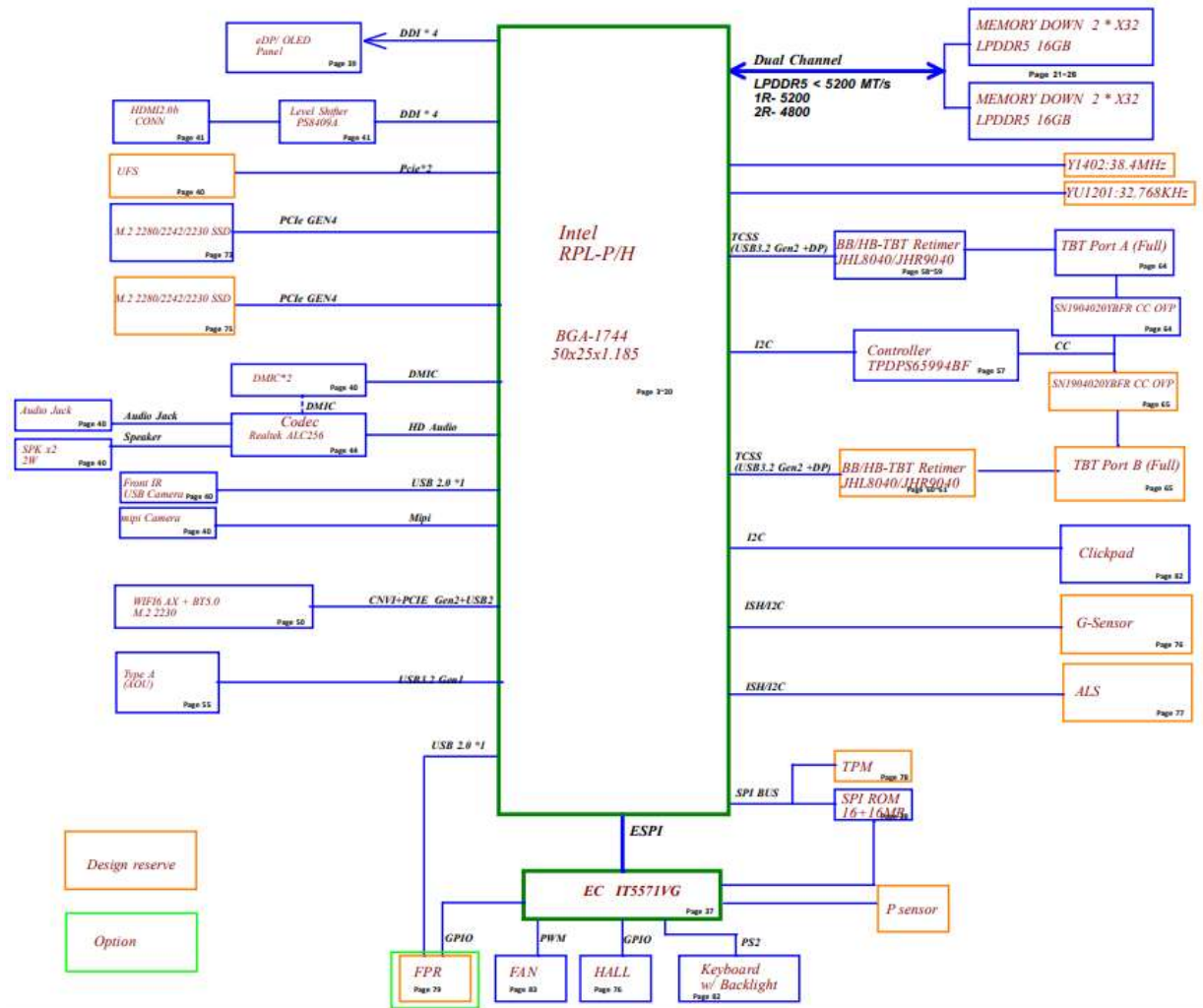


Figure 3-92. Lower case
Table 3-25. Lower case Screw

Step	Screw	Quantity	Screw Type	Torque/ kgf • cm
Replace Lower case	M2.5mm*L5.5mm_D4.5mm_T0.8mm _Black	11		3.0±0.2 kgf • cm

Electronic boards diagrams



Troubleshooting

Introduction

This chapter shows you how to deal with common system problems. Read it before calling a technician if a problem occurs. Solutions to more serious problems require opening up the computer. Do not attempt to open the computer yourself; contact your dealer or authorized service center for assistance..

Introduction tips

This computer incorporates an advanced design that delivers on-screen error message reports to help you solve problems.

If the system reports an error message or an error symptom occurs, see "Error messages" below. If the problem cannot be resolved, contact your dealer.

Error messages

If you receive an error message, note the message and take the corrective action. The following table lists the error messages in the alphabetical order together with the recommended course of action.

Table 1-1. Error Messages Error Messages

Error Messages	Corrective Action
CMOS battery bad	Contact your dealer or an authorized service center.
CMOS checksum error	Contact your dealer or an authorized service center
Disk boot failure	Insert a system (bootable) disk, then press Enter to reboot.
Equipment configuration error	Press F2 (during POST) to enter BIOS utility, then press Exit in the BIOS utility to reboot
Hard disk 0 error	Contact your dealer or an authorized service center
Hard disk 0 extended type error	Contact your dealer or an authorized service center
I/O parity error	Contact your dealer or an authorized service center
Keyboard error or no keyboard connected	Contact your dealer or an authorized service center.
Keyboard interface error	Contact your dealer or an authorized service center
Memory size mismatch	Press F2 (during POST) to enter BIOS utility, then press Exit in the BIOS utility to reboot

If you still encounter problems after going through the corrective measures, please contact your dealer or an authorized service center for assistance.

FRU (Field Replaceable Unit) List

This chapter provides users with a FRU (Field Replaceable Unit) listing in global configurations for the Snow. Refer to this chapter whenever ordering for parts to repair or for RMA (Return Merchandise Authorization).

⇒ NOTE:

WHEN ORDERING FRU PARTS, check the most up-to-date information available on the regional web or channel. Part number changes will not be noted on the printed Service Guide. For ACER AUTHORIZED SERVICE PROVIDERS, the Acer office may have a DIFFERENT part number code from those given in the FRU list of this printed Service Guide. Users MUST use the local FRU list provided by the regional Acer office to order FRU parts for repair and service of customer machines.

⇒ NOTE:

To scrap or to return the defective parts, users should follow the local government ordinance or regulations on how to dispose it properly, or follow the rules set by the regional Acer office on how to return it.

Exploded Diagrams

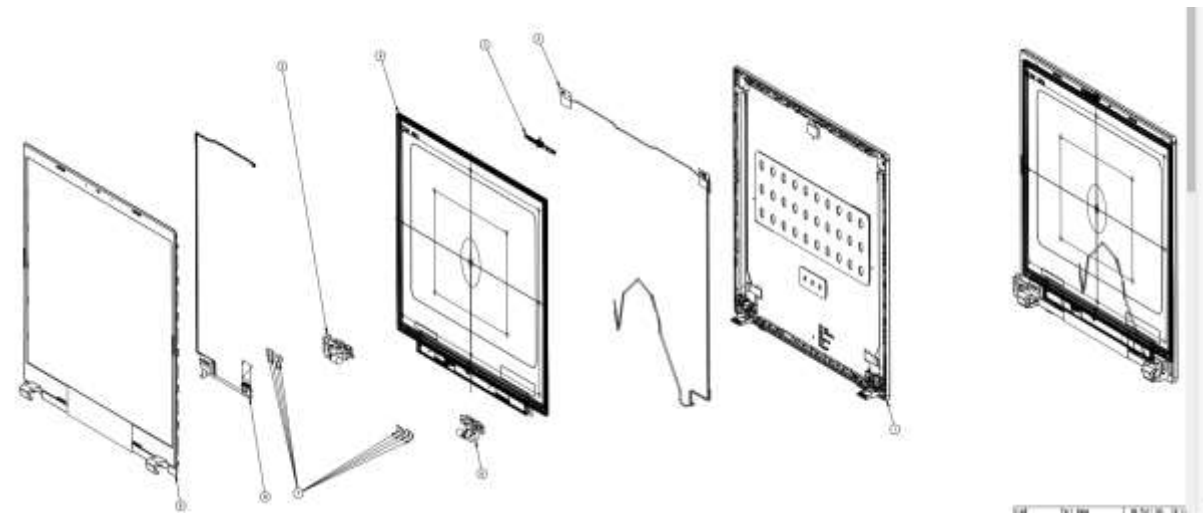


Figure6-1. Exploded Diagram-part1

Table 6-1. Exploded Diagram

Item	Description	Item	Description
1	LCD Cover	5	L-hinge
2	Antenna	6	R-hinge
3	Camera	7	Screw
4	Panel	8	EDP cable
9	LCD bezel		

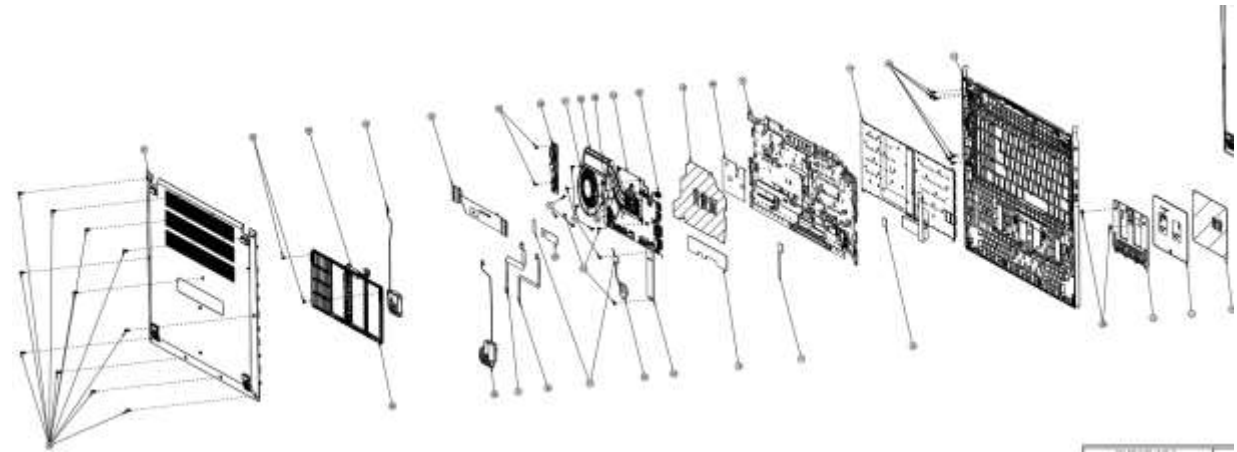


Figure6-2. Exploded Diagram-part2

Table 6-2. Exploded Diagram

Item	Description	Item	Description
10	TP mylar	27	Fix cable Tape
11	TP	28	UB
12	TP bracket	29	KB CONN Mylar
13	C COVER	30	FP FFC
14	Keyboard	31	TP FFC
15	KB Mylar	32	UB FFC
16	KB bracket	33	L-Speaker
17	TP Conductive	34	R-Speaker
18	MB Mylar	35	Battery
19	TP Shading Mylar	36	Battery Tape
20	Thermal Module	37	D Cover
21	FAN	38	FAN Conductive
22	DC_in		
23	MB		
24	SSD		
25	RTC		
26	WIFI Module		

FRU List

Table 6-3. FRU list

CATEGORY	Pictures	Acer Description	AcerPN	ODM PN
ADAPTER		Adapter DELTA ADP-65WW BA 65W Type C Wallmount 5V/3A_9V/3A_12V/3A_15V/3A_20V_3.25A Black US TYPE	KP.06 501.0 25	HQ61 2112 8900 7
		Adapter Chicony Power W065RP25P 65W Type C Wallmount 5V/3A_9V/3A_12V/3A_15V/3A_20V_3.25A Black US TYPE	KP.06 50H.0 20	HQ61 2112 6100 7
		Adapter LITE-ON PA-1650-58AD 65W Type C Brick 5V/3A_9V/3A_12V/3A_15V/3A_20V/5A Black Meet CoC-Tier2 & IEC 62368	KP.06 503.0 20	HQ61 2106 9000 7
		Adapter LITE-ON PA-1650-58AD 65W Type C Brick 5V/3A_9V/3A_12V/3A_15V/3A_20V/5A Black Meet CoC-Tier2 & IEC 62368	KP.10 001.0 01	HQ61 2112 8600 7
BATTERY		Battery LGES Typ.50Wh 4470mAh 3S1P AP18C8K 248x84.4x5.5(mm) AP18C 11.25V 65W Polymer	KT.00 30G.0 20	HQ60 3352 0700 7
		Battery PANASONIC Typ.55Wh 3550mAh 4S1P AP19B5L 248x84.4x5.5(mm) AP19B 15.4V 70W Polymer	KT.00 405.0 10	HQ61 2301 4200 7
		Battery CosMx Typ.53Wh 3S1P AP20CBL 248x84.4x5.5(mm) AP20C 11.55V 65W Li-Ion TI BQ40Z555 FW5.09	KT.00 30B.0 04	HQ61 2312 CW0 07
POWER CORD		POWER CORD 1M BLACK 250 V_CN	27.K0 JN8.0 01	HQ61 2801 2600 0
		POWER CORD 1M BLACK 250 V_ITALIAN	27.K0 JN8.0 02	HQ61 2801 2700 0
		POWER CORD 1M BLACK 250 V_SWISS	27.K0 JN8.0 03	HQ61 2801 2800 0
		POWER CORD 1M BLACK 250 V_ISRAEL	27.K0 JN8.0 04	HQ61 2801 2900 0
		POWER CORD 1M BLACK 250 V_Australian	27.K0 JN8.0	HQ61 2801

			05	3000 0
		POWER CORD 1M BLACK 250 V_UK	27.K0 JN8.0 06	HQ61 2801 3100 0
		POWER CORD 1M BLACK 250 V_Japan	27.K0 JN8.0 07	HQ61 2801 3200 0
		POWER CORD 1M BLACK 250 V_South Africa	27.K0 JN8.0 08	HQ61 2801 3300 0
		POWER CORD 1M BLACK 250 V_Argentina	27.K0 JN8.0 09	HQ61 2801 3400 0
		POWER CORD 1M BLACK 250 V_Brazil	27.K0 JN8.0 10	HQ61 2801 3500 0
		POWER CORD 1M BLACK 250 V_Taiwan	27.K0 JN8.0 11	HQ61 2801 3600 0
		POWER CORD 1M BLACK 250 V_Korea	27.K0 JN8.0 12	HQ61 2801 3700 0
		POWER CORD 1M BLACK 250 V_US	27.K0 JN8.0 13	HQ61 2801 3800 0
CABLE		FFC CABLE I/O	50.KH MN8.0 01	HQ22 0210 2G00 0
		FFC CABLE I/O	50.KH MN8.0 01	HQ22 0210 2H00 0
CABLE		FFC CABLE TOUCHPAD	50.KH MN8.0 02	HQ22 0210 2J00 0
		FFC CABLE TOUCHPAD	50.KH MN8.0 02	HQ22 0210 2K00 0
CABLE		FFC CABLE FINGERPRINT	50.KH MN8.0 04	HQ22 0210 2L00 0

		FFC CABLE FINGERPRINT	50.KH MN8.0 04	HQ22 0210 2M00 0
CABLE		CABLE DC-IN	50.KH MN8.0 03	HQ11 9014 7000 0
		CABLE DC-IN	50.KH MN8.0 03	HQ11 9014 7100 0
CABLE		ANTENNA MAIN/AUX	50.KH MN8.0 05	HQ26 0060 0001 7
WiFi Module		Wireless LAN MEDIATEK Wi-Fi 6E BT5.2 MT7922A Mediatek 2x2 M.2 2230 PCIe	KE.W F60M. 001	HQ14 3030 0000 7
BOARD		BOARD I/O	55.KH MN8.0 01	HQ31 6000 01NB 0
POINT DEVICE		TOUCHPAD MODULE GRAY ELAN NC.24611.06Z	56.KH NN8.0 01	HQ31 6000 01NA 7
		TOUCHPAD MODULE GRAY SYNAPTICS NC.24611.070	56.KH NN8.0 02	HQ31 6000 01NC 7
		TOUCHPAD MODULE BLACK AM ELAN NC.24611.07W	56.KH MN8.0	HQ31 6000

			01	01ND7
		TOUCHPAD MODULE BLACK AM SYNAPTICS NC.24611.08P	56.KH MN8.0 02	HQ31 6000 01NE7
CASE/COVER/BRACKET ASSEMBLY		LCD COVER GRAY	61.KH MN8.0 01	HQ20 7072 CA007
CASE/COVER/BRACKET ASSEMBLY		BEZEL	62.KH MN8.0 01	HQ20 7162 87000
LCD PANEL		LED LCD Panel CMI 17.3" FHD IPS None Glare N173HCE-E3C C1 250nit NTSC 72% 60Hz 25ms 1000:1 (eDP, Value IPS,,narrow border)	KL.17 30D.0 12	HQ20 1074 3H007
		LED LCD Panel BOE 17.3" FHD IPS None Glare NV173FHM-N49 V8.0 250nit NTSC 45% 60Hz 25ms 800:1 (Narrow border)	KL.17 30E.0 07	HQ20 1074 24007
CASE/COVER/BRACKET ASSEMBLY		CABLE LCD 30PIN	50.KH MN8.0 06	HQ21 3117 D8000
		CABLE LCD 30PIN	50.KH MN8.0 06	HQ21 3117 D9000
CASE/COVER/BRACKET ASSEMBLY		HINGE L	33.KH MN8.0 01	HQ22 5002 6P000
		HINGE L	33.KH MN8.0 01	HQ22 5002 6R000
		HINGE R	33.KH MN8.0 02	HQ22 5002 6Q000
		HINGE R	33.KH MN8.0 02	HQ22 5002 6T000
Camera Module		Camera CHICONY HD Camera C7FMH12 GC1009 RTS5855 1L3B059G1(BG) SPG18P4HM4H-1 TNR	KS.0H D06.0 35	HQ20 2089 62007

		Camera Tech-Front HD Camera YHVC-1 OV9734 SPCA2112N 1L3B059F1(BG) SPG18P4HM4H-1 TNR	KS.0H D0Q.0 20	HQ20 2089 6100 7
		Camera CHICONY FHD FF CKFKF31-1 OV2740 SPCA2093N 1L4C066F2 (w/BG) ZTS6735 USB 3.2T TNR	KS.FH D06.0 07	HQ20 2085 6700 7
		Camera Tech-Front FHD Camera YHVA-1 OV2740(COB) RTS5856W 1L4C066F2(BG) ZTS6735 TNR	KS.FH D0Q.0 05	HQ20 2090 0600 7
CASE/COVER/BRACKET ASSEMBLY		LOWER CASE GRAY	33.KH MN8.0 03	HQ20 7313 6K00 0
KB ASSEMBLY		KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 102KS Gray US International Acer legend White BL, indicator LED, Power ICON NK.I171S.04Y;NK.I1717.0KI	6B.KH MN8.0 01	HQ31 6000 01NH 7
		KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 102KS Gray Arabic Acer legend White BL, indicator LED, Power ICON NK.I171S.04Q;NK.I1717.0KA	6B.KH MN8.0 02	HQ31 6000 01NJ 7
		KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 102KS Gray Traditional Chinese Acer legend White BL, indicator LED, Power ICON NK.I171S.04R;NK.I1717.0KB	6B.KH MN8.0 03	HQ31 6000 01NK 7
		KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 102KS Gray Greek Acer legend White BL, indicator LED, Power ICON NK.I171S.04S;NK.I1717.0KC	6B.KH MN8.0 04	HQ31 6000 01NL 7
		KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 102KS Gray Korean Acer legend White BL, indicator LED, Power ICON NK.I171S.04T;NK.I1717.0KD	6B.KH MN8.0 05	HQ31 6000 01N M7
		KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 102KS Gray Russian Acer legend White BL, indicator LED, Power ICON NK.I171S.04U;NK.I1717.0KE	6B.KH MN8.0 06	HQ31 6000 01NN 7
		KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 102KS Gray Ukrainian Acer legend White BL, indicator LED, Power ICON NK.I171S.04V;NK.I1717.0KF	6B.KH MN8.0 07	HQ31 6000 01NP 7
		KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 102KS Gray Persian Acer legend White BL, indicator LED, Power ICON NK.I171S.04W;NK.I1717.0KG	6B.KH MN8.0 08	HQ31 6000 01NQ 7
		KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 102KS Gray Thailand Acer legend White BL, indicator LED, Power ICON NK.I171S.04X;NK.I1717.0KH	6B.KH MN8.0 09	HQ31 6000 01NR 7
		KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 102KS Gray US International w/ Hebrew Acer legend White BL, indicator LED, Power ICON	6B.KH MN8.0 10	HQ31 6000 01NS 7

	NK.I171S.04Z;NK.I1717.0KJ		
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 102KS Gray US International w/ Canadian French Acer legend White BL, indicator LED, Power ICON NK.I171S.050;NK.I1717.0KK	6B.KH MN8.0 11	HQ31 6000 01NT 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 102KS Gray US International w/ Bulgaria Acer legend White BL, indicator LED, Power ICON NK.I171S.051;NK.I1717.0KL	6B.KH MN8.0 12	HQ31 6000 01NU 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 103KS Gray UK Acer legend White BL, indicator LED, Power ICON NK.I171S.05K;NK.I1717.0L4	6B.KH MN8.0 13	HQ31 6000 01NV 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 103KS Gray Sweden Acer legend White BL, indicator LED, Power ICON NK.I171S.05H;NK.I1717.0L1	6B.KH MN8.0 14	HQ31 6000 01N W7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 103KS Gray French Acer legend White BL, indicator LED, Power ICON NK.I171S.058;NK.I1717.0KS	6B.KH MN8.0 15	HQ31 6000 01NX 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 103KS Gray Portuguese Acer legend White BL, indicator LED, Power ICON NK.I171S.05E;NK.I1717.0KY	6B.KH MN8.0 16	HQ31 6000 01NY 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 103KS Gray SLO/CRO Acer legend White BL, indicator LED, Power ICON NK.I171S.05F;NK.I1717.0KZ	6B.KH MN8.0 17	HQ31 6000 01NZ 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 103KS Gray Brazilian Portuguese Acer legend White BL, indicator LED, Power ICON NK.I171S.054;NK.I1717.0KO	6B.KH MN8.0 18	HQ31 6000 01P0 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 103KS Gray Swiss/G Acer legend White BL, indicator LED, Power ICON NK.I171S.05I;NK.I1717.0L2	6B.KH MN8.0 19	HQ31 6000 01P1 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 103KS Gray Danish Acer legend White BL, indicator LED, Power ICON NK.I171S.056;NK.I1717.0KQ	6B.KH MN8.0 20	HQ31 6000 01P2 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 103KS Gray Italian Acer legend White BL, indicator LED, Power ICON NK.I171S.05B;NK.I1717.0KV	6B.KH MN8.0 21	HQ31 6000 01P3 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 103KS Gray Belgium Acer legend White BL, indicator LED, Power ICON NK.I171S.053;NK.I1717.0KN	6B.KH MN8.0 22	HQ31 6000 01P4 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 103KS Gray German Acer legend White BL, indicator LED, Power ICON NK.I171S.059;NK.I1717.0KT	6B.KH MN8.0 23	HQ31 6000 01P5 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard	6B.KH MN8.0	HQ31 6000

	103KS Gray Norwegian Acer legend White BL, indicator LED, Power ICON NK.I171S.05D;NK.I1717.0KX	24	01P6 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 103KS Gray Hungarian Acer legend White BL, indicator LED, Power ICON NK.I171S.05A;NK.I1717.0KU	6B.KH MN8.0 25	HQ31 6000 01P7 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 103KS Gray Spanish Acer legend White BL, indicator LED, Power ICON NK.I171S.05G;NK.I1717.0L0	6B.KH MN8.0 26	HQ31 6000 01P8 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 103KS Gray ALA-Spanish Acer legend White BL, indicator LED, Power ICON NK.I171S.052;NK.I1717.0KM	6B.KH MN8.0 27	HQ31 6000 01P9 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 103KS Gray Turkish Acer legend White BL, indicator LED, Power ICON NK.I171S.05J;NK.I1717.0L3	6B.KH MN8.0 28	HQ31 6000 01PA 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 103KS Gray Nordic Acer legend White BL, indicator LED, Power ICON NK.I171S.05C;NK.I1717.0KW	6B.KH MN8.0 29	HQ31 6000 01PB 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 103KS Gray FR/Arabic Acer legend White BL, indicator LED, Power ICON NK.I171S.057;NK.I1717.0KR	6B.KH MN8.0 30	HQ31 6000 01PC 7
	KEYBOARD ASSY Gray BL W/ UPPER CASE Keyboard SUNREX QV07P_A10EWL QV07P Internal 17 Standard 103KS Gray CZ/SK Acer legend White BL, indicator LED, Power ICON NK.I171S.055;NK.I1717.0KP	6B.KH MN8.0 31	HQ31 6000 01PD 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 102KS Black US International Acer legend White BL, indicator LED, Power ICON NK.I171S.034;NK.I1717.0HL	6B.KH MN8.0 32	HQ31 6000 01PE 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 102KS Black Arabic Acer legend White BL, indicator LED, Power ICON NK.I171S.02W;NK.I1717.0HC	6B.KH MN8.0 33	HQ31 6000 01PF 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 102KS Black Traditional Chinese Acer legend White BL, indicator LED, Power ICON NK.I171S.02X;NK.I1717.0HD	6B.KH MN8.0 34	HQ31 6000 01PG 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 102KS Black Greek Acer legend White BL, indicator LED, Power ICON NK.I171S.02Y;NK.I1717.0HE	6B.KH MN8.0 35	HQ31 6000 01PH 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 102KS Black Korean Acer legend White BL, indicator LED, Power ICON NK.I171S.02Z;NK.I1717.0HF	6B.KH MN8.0 36	HQ31 6000 01PJ 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 102KS Black Russian Acer legend White BL, indicator LED, Power ICON NK.I171S.030;NK.I1717.0HG	6B.KH MN8.0 37	HQ31 6000 01PK 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE	6B.KH	HQ31

	Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 102KS Black Thailand Acer legend White BL, indicator LED, Power ICON NK.I171S.033;NK.I1717.0HK	MN8.0 38	6000 01PL 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 102KS Black US International w/ Hebrew Acer legend White BL, indicator LED, Power ICON NK.I171S.035;NK.I1717.0HM	6B.KH MN8.0 39	HQ31 6000 01PM 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 102KS Black Ukrainian Acer legend White BL, indicator LED, Power ICON NK.I171S.031;NK.I1717.0HH	6B.KH MN8.0 40	HQ31 6000 01PN 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 102KS Black Persian Acer legend White BL, indicator LED, Power ICON NK.I171S.032;NK.I1717.0HJ	6B.KH MN8.0 41	HQ31 6000 01PP 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 102KS Black US International w/ Bulgaria Acer legend White BL, indicator LED, Power ICON NK.I171S.037;NK.I1717.0HP	6B.KH MN8.0 42	HQ31 6000 01PQ 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 102KS Black US International w/ Canadian French Acer legend White BL, indicator LED, Power ICON NK.I171S.036;NK.I1717.0HN	6B.KH MN8.0 43	HQ31 6000 01PR 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black ALA-Spanish Acer legend White BL, indicator LED, Power ICON NK.I171S.038;NK.I1717.0HQ	6B.KH MN8.0 44	HQ31 6000 01PS 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black Belgium Acer legend White BL, indicator LED, Power ICON NK.I171S.039;NK.I1717.0HR	6B.KH MN8.0 45	HQ31 6000 01PT 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black Brazilian Portuguese Acer legend White BL, indicator LED, Power ICON NK.I171S.03A;NK.I1717.0HS	6B.KH MN8.0 46	HQ31 6000 01PU 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black CZ/SK Acer legend White BL, indicator LED, Power ICON NK.I171S.03B;NK.I1717.0HT	6B.KH MN8.0 47	HQ31 6000 01PV 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black Danish Acer legend White BL, indicator LED, Power ICON NK.I171S.03C;NK.I1717.0HU	6B.KH MN8.0 48	HQ31 6000 01P W7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black FR/Arabic Acer legend White BL, indicator LED, Power ICON NK.I171S.03D;NK.I1717.0HV	6B.KH MN8.0 49	HQ31 6000 01PX 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black French Acer legend White BL, indicator LED, Power ICON NK.I171S.03E;NK.I1717.0HW	6B.KH MN8.0 50	HQ31 6000 01PY 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE	6B.KH	HQ31

	Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black German Acer legend White BL, indicator LED, Power ICON NK.I171S.03F;NK.I1717.0HX	MN8.0 51	6000 01PZ 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black Hungarian Acer legend White BL, indicator LED, Power ICON NK.I171S.03G;NK.I1717.0HY	6B.KH MN8.0 52	HQ31 6000 01Q0 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black Italian Acer legend White BL, indicator LED, Power ICON NK.I171S.03H;NK.I1717.0HZ	6B.KH MN8.0 53	HQ31 6000 01Q1 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black Nordic Acer legend White BL, indicator LED, Power ICON NK.I171S.03I;NK.I1717.0J0	6B.KH MN8.0 54	HQ31 6000 01Q2 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black Norwegian Acer legend White BL, indicator LED, Power ICON NK.I171S.03J;NK.I1717.0J1	6B.KH MN8.0 55	HQ31 6000 01Q3 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black Portuguese Acer legend White BL, indicator LED, Power ICON NK.I171S.03K;NK.I1717.0J2	6B.KH MN8.0 56	HQ31 6000 01Q4 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black SLO/CRO Acer legend White BL, indicator LED, Power ICON NK.I171S.03L;NK.I1717.0J3	6B.KH MN8.0 57	HQ31 6000 01Q5 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black Spanish Acer legend White BL, indicator LED, Power ICON NK.I171S.03M;NK.I1717.0J4	6B.KH MN8.0 58	HQ31 6000 01Q6 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black Sweden Acer legend White BL, indicator LED, Power ICON NK.I171S.03N;NK.I1717.0J5	6B.KH MN8.0 59	HQ31 6000 01Q7 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black Swiss/G Acer legend White BL, indicator LED, Power ICON NK.I171S.03O;NK.I1717.0J6	6B.KH MN8.0 60	HQ31 6000 01Q8 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black Turkish Acer legend White BL, indicator LED, Power ICON NK.I171S.03P;NK.I1717.0J7	6B.KH MN8.0 61	HQ31 6000 01Q9 7
	KEYBOARD ASSY BLACK BL W/ UPPER CASE Keyboard SUNREX QV07P_A10BWL QV07P Internal 17 Standard 103KS Black UK Acer legend White BL, indicator LED, Power ICON NK.I171S.03Q;NK.I1717.0J8	6B.KH MN8.0 62	HQ31 6000 01QA 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 102KS Black US International Acer legend White BL, indicator LED, Power ICON NK.I171S.040;NK.I1717.0JJ	6B.KH LN8.0 01	HQ31 6000 01QB 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 102KS Black Arabic Acer legend White BL, indicator LED, Power ICON NK.I171S.03SNK.I1717.0JA	6B.KH LN8.0 02	HQ31 6000 01QC 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE	6B.KH	HQ31

	Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 102KS Black Traditional Chinese Acer legend White BL, indicator LED, Power ICON NK.I171S.03TNK.I1717.0JB	LN8.0 03	6000 01QD 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 102KS Black Greek Acer legend White BL, indicator LED, Power ICON NK.I171S.03UNK.I1717.0JC	6B.KH LN8.0 04	HQ31 6000 01QE 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 102KS Black Korean Acer legend White BL, indicator LED, Power ICON NK.I171S.03VNK.I1717.0JD	6B.KH LN8.0 05	HQ31 6000 01QF 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 102KS Black Russian Acer legend White BL, indicator LED, Power ICON NK.I171S.03WNK.I1717.0JE	6B.KH LN8.0 06	HQ31 6000 01Q G7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 102KS Black Ukrainian Acer legend White BL, indicator LED, Power ICON NK.I171S.03XNK.I1717.0JF	6B.KH LN8.0 07	HQ31 6000 01QH 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 102KS Black Persian Acer legend White BL, indicator LED, Power ICON NK.I171S.03YNK.I1717.0JG	6B.KH LN8.0 08	HQ31 6000 01QJ 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 102KS Black Thailand Acer legend White BL, indicator LED, Power ICON NK.I171S.03ZNK.I1717.0JH	6B.KH LN8.0 09	HQ31 6000 01QK 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 102KS Black US International w/ Hebrew Acer legend White BL, indicator LED, Power ICON NK.I171S.041NK.I1717.0JK	6B.KH LN8.0 10	HQ31 6000 01QL 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 102KS Black US International w/ Canadian French Acer legend White BL, indicator LED, Power ICON NK.I171S.042NK.I1717.0JL	6B.KH LN8.0 11	HQ31 6000 01Q M7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 102KS Black US International w/ Bulgaria Acer legend White BL, indicator LED, Power ICON NK.I171S.043NK.I1717.0JM	6B.KH LN8.0 12	HQ31 6000 01QN 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 103KS Black UK Acer legend White BL, indicator LED, Power ICON NK.I171S.04MNK.I1717.0K6	6B.KH LN8.0 13	HQ31 6000 01QP 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 103KS Black Sweden Acer legend White BL, indicator LED, Power ICON NK.I171S.04JNK.I1717.0K3	6B.KH LN8.0 14	HQ31 6000 01Q Q7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 103KS Black French Acer legend White BL, indicator LED, Power ICON NK.I171S.04ANK.I1717.0JU	6B.KH LN8.0 15	HQ31 6000 01QR 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17	6B.KH LN8.0	HQ31 6000

	Standard 103KS Black Portuguese Acer legend White BL, indicator LED, Power ICON NK.I171S.04GNK.I1717.0K0	16	01QS 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 103KS Black SLO/CRO Acer legend White BL, indicator LED, Power ICON NK.I171S.04HNK.I1717.0K1	6B.KH LN8.0 17	HQ31 6000 01QT 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 103KS Black Brazilian Portuguese Acer legend White BL, indicator LED, Power ICON NK.I171S.046NK.I1717.0JQ	6B.KH LN8.0 18	HQ31 6000 01QU 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 103KS Black Swiss/G Acer legend White BL, indicator LED, Power ICON NK.I171S.04KNK.I1717.0K4	6B.KH LN8.0 19	HQ31 6000 01QV 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 103KS Black Danish Acer legend White BL, indicator LED, Power ICON NK.I171S.048NK.I1717.0JS	6B.KH LN8.0 20	HQ31 6000 01Q W7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 103KS Black Italian Acer legend White BL, indicator LED, Power ICON NK.I171S.04DNK.I1717.0JX	6B.KH LN8.0 21	HQ31 6000 01QX 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 103KS Black Belgium Acer legend White BL, indicator LED, Power ICON NK.I171S.045NK.I1717.0JP	6B.KH LN8.0 22	HQ31 6000 01QY 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 103KS Black German Acer legend White BL, indicator LED, Power ICON NK.I171S.04BNK.I1717.0JV	6B.KH LN8.0 23	HQ31 6000 01QZ 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 103KS Black Norwegian Acer legend White BL, indicator LED, Power ICON NK.I171S.04FNK.I1717.0JZ	6B.KH LN8.0 24	HQ31 6000 01R0 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 103KS Black Hungarian Acer legend White BL, indicator LED, Power ICON NK.I171S.04CNK.I1717.0JW	6B.KH LN8.0 25	HQ31 6000 01R1 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 103KS Black Spanish Acer legend White BL, indicator LED, Power ICON NK.I171S.04INK.I1717.0K2	6B.KH LN8.0 26	HQ31 6000 01R2 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 103KS Black ALA-Spanish Acer legend White BL, indicator LED, Power ICON NK.I171S.044NK.I1717.0JN	6B.KH LN8.0 27	HQ31 6000 01R3 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 103KS Black Turkish Acer legend White BL, indicator LED, Power ICON NK.I171S.04LNK.I1717.0K5	6B.KH LN8.0 28	HQ31 6000 01R4 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 103KS Black Nordic Acer legend White BL, indicator LED, Power ICON NK.I171S.04ENK.I1717.0JY	6B.KH LN8.0 29	HQ31 6000 01R5 7
	KEYBOARD ASSY BLACK NBL W/ UPPER CASE	6B.KH	HQ31

		Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 103KS Black FR/Arabic Acer legend White BL, indicator LED, Power ICON NK.I171S.049NK.I1717.0JT	LN8.0 30	6000 01R6 7
		KEYBOARD ASSY BLACK NBL W/ UPPER CASE Keyboard SUNREX QV07T_A10B QV07T Internal 17 Standard 103KS Black CZ/SK Acer legend White BL, indicator LED, Power ICON NK.I171S.047NK.I1717.0JR	6B.KH LN8.0 31	HQ31 6000 01R7 7
MAINBOARD		Mainboard A517-58M Intel Ci51335U 8GB UMA	NB.K HL11. 001	HQ31 6000 01NF 7
		Mainboard A517-58M Intel Ci51335U 16GB UMA	NB.K HL11. 002	HQ31 6000 01NG 7
FAN SINK/SPEAK/EARPHONE/RTC		THERMAL MODULE	24.KH MN8.0 01	HQ23 3107 6Q00 7
		THERMAL MODULE	24.KH MN8.0 01	HQ23 3107 6P00 7
FAN SINK/SPEAK/EARPHONE/RTC		FAN 108 mm*76 mm*6.5 mm_3500 rpm_2.5 W	23.KD DN8.0 01	HQ23 3004 3100 7
		FAN 108 mm*76 mm*6.5 mm_3500 rpm_2.5 W	23.KD DN8.0 01	HQ23 3004 3000 7
FAN SINK/SPEAK/EARPHONE/RTC		SPEAKER L	23.KH MN8.0 01	HQ20 3313 9400 0
		SPEAKER L	23.KH MN8.0 01	HQ20 3313 9200 0
FAN SINK/SPEAK/EARPHONE/RTC		SPEAKER R	23.KH MN8.0 02	HQ20 3313 9500 0
		SPEAKER R	23.KH MN8.0 02	HQ20 3313 9300 0
HDD		Flash Disk MICRON SSD NAND 1024GB Micron 2450 1024GB MTFDKBA1T0TFK-1BC15ABYY LF+HF	KN.01 K04.0 05	HQ23 7313 1100 7
		Flash Disk WD SSD NAND 1024GB SN740 SDDQNQD-1T00-1014 LF+HF	KN.01 K0D.0 08	HQ23 7314 9J00 7
		Flash Disk APACER SSD NAND 128GB 3D TLC AP128GPB44801-07 LF+HF	KN.12 801.0	HQ23 7314

			03	DB00 7
		Flash Disk KINGSTON SSD NAND 128GB OM8PGP4128P-AA LF+HF	KN.12 807.0 38	HQ23 7314 9Y00 7
		Flash Disk MICRON SSD NAND 256GB Micron 2450 256GB MTFDKBA256TFK-1BC15ABYY LF+HF	KN.25 604.0 44	HQ23 7314 2500 7
		Flash Disk KINGSTON SSD NAND 256GB OM8SEP4256Q-AA LF+HF	KN.25 607.0 29	HQ23 7314 9K00 7
		Flash Disk KINGSTON SSD NAND 512GB OM8SEP4512Q-AA LF+HF	KN.51 207.0 13	HQ23 7314 9L00 7
		Flash Disk WD SSD NAND 512GB SN740 SDDQNQD- 512G-1014 LF+HF	KN.51 20D.0 52	HQ23 7314 9H00 7
MISCELLA NEOUS		CONDUCTIVE TOUCHPAD 53 *15 *0.1 MM	47.KH MN8.0 01	HQ21 9425 5J00 0
		CONDUCTIVE TOUCHPAD 53 *15 *0.1 MM	47.KH MN8.0 01	HQ21 9425 5K00 0
MISCELLA NEOUS		TP SHADING SPONGE_140MM*22MM*0.3MM	47.KD DN8.0 06	HQ22 2042 2X00 0
		TP SHADING SPONGE_140MM*22MM*0.3MM	47.KD DN8.0 06	HQ22 2042 2Y00 0
MISCELLA NEOUS		INSULATING TAPE_20 MM*8 MM*0.1 MM	47.KD DN8.0 07	HQ22 2329 8R00 0
		INSULATING TAPE_20 MM*8 MM*0.1 MM	47.KD DN8.0 07	HQ22 2329 8T00 0
MISCELLA NEOUS		INSULATING TAPE 57*12 *0.1 MM	47.KD DN8.0 11	HQ22 2329 CT00 0
		INSULATING TAPE 57*12 *0.1 MM	47.KD DN8.0 11	HQ22 2329 CU00 0

MISCELLA NEOUS		FAN SINGLE-SIDED CONDUCTIVE CLOTH_30 MM*10 MM*0.1 MM	47.KD DN8.0 03	HQ21 9425 6D00 0
		FAN SINGLE-SIDED CONDUCTIVE CLOTH_30 MM*10 MM*0.1 MM	47.KD DN8.0 03	HQ21 9425 6E00 0
MISCELLA NEOUS		CONDUCTIVE CLOTH_36 mm*12.5 mm*0.05 mm_Acetate	47.K0 JN8.0 05	HQ22 2328 5600 0
		CONDUCTIVE CLOTH_36 mm*12.5 mm*0.05 mm_Acetate	47.KD DN8.0 10	HQ22 2329 BM00 0
SCREW		SCREW_M2.5MM*L5.5MM_D4.5MM_T0.8MM_BLACK	86.KD JN8.0 01	HQ22 1116 D300 0
		SCREW_M2.5MM*L5.5MM_D4.5MM_T0.8MM_BLACK	86.KD JN8.0 01	HQ22 1116 D400 0
SCREW		SCREW M2.0mm*L2.3mm_D7.5mm_T0.6mm	86.K0 JN8.0 01	HQ22 1111 0700 0
		SCREW M2.0mm*L2.3mm_D7.5mm_T0.6mm	86.K0 JN8.0 01	HQ22 1110 7800 0
SCREW		SCREW M2.0*L2.0*D5.0*T0.6NYLOK_BLACK_ZN	86.K0 JN8.0 06	HQ22 1110 7200 0

		SCREW M2.0*L2.0*D5.0*T0.6NYLOK_BLACK_ZN	86.K0 JN8.0 06	HQ22 1110 9800 0
SCREW		SCREW M2.0*L2.5*D4.5*T0.5NYLOK_SILVER	86.K0 JN8.0 03	HQ22 1111 3300 0
		SCREW M2.0*L2.5*D4.5*T0.5NYLOK_SILVER	86.K0 JN8.0 03	HQ22 1110 5700 0
SCREW		SCREW_M2.0X4.0-C*4.7 MM_0.7 MM_4 MM_BLACK	86.KD DN8.0 02	HQ22 1107 8300 0
SCREW		SCREW_CM2.5*2.3 MM_0.5 MM_7.5 MM_NYLOR_BLACK_NICKEL	86.VM 5N8.0 01	HQ22 1105 5600 0

Software Update

Please visit <http://go.acer.com/?id=17883>

System BIOS & Driver Updates

Visit <http://www.acer.com/support> to discover the available system BIOS and Drivers for this product. After selecting the desired country/language, either enter the model name or product serial number, or select the product from the list of suggested models in order to get access to product-specific software and documentation.

To update the system BIOS

- Download the desired system BIOS version from the website
- Unzip the downloaded file to your computer
- Double-click the extracted file in order to initiate the update process
- The update process itself is fully automated and its progress is visualized by means of a progress indicator
- A visual notification is shown when the update is complete

⇒ NOTE

Upgrading the system BIOS incorrectly, or intermittence of the system BIOS update process could harm the product.

⇒ NOTE

System BIOS upgrades or downgrades, if not performed by an Acer Service Center or authorized Service Partner, are at own risk.

To update Drivers

Run Windows Update in order to get the latest drivers from Acer

- Select the Start  button
- Go to Settings  > Update & Security  > Windows Update 
- Drivers will automatically be listed on the screen. Press Download to start the download of the respective driver
- Installation of the driver will start automatically once the download is completed

Software Recovery

This product has embedded software recovery tools which can be used to either perform a partial or full software recovery, but also to create a Factory Default recovery media. For more information about the software recovery options, how to perform a software recovery or creating a Factory Default recovery media, please refer to the chapter "Recovery" which is available in the User Manual of the product.

⇒ NOTE

In the event of not being able to create a Factory Default recovery media, it is possible to obtain a copy of the recovery media through Acer Customer Service (<http://www.acer.com/support>)

This is not a free of charge service.

Personal Data Removal

Removing your personal data There are three options to choose from:

- Option 1: Select Start  > Settings  > Update & Security  > Recovery. Under Reset this PC, select Get started. Open Recovery settings.
- Option 2: Restart your PC to get to the sign-in screen, then press and hold down the Shift key while you select the Power  icon > Restart in the lower-right corner of the screen. After your computer restarts, select Troubleshoot > Reset this PC
- >Option 3: Select Start  :, then press and hold down the Shift key while you select the Power  icon > Restart to restart your computer into Recovery Mode. After your computer restarts, select Troubleshoot > Reset this PC.