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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process specific code		File No	Version production date		Farewell (small)	Pages (small)	Site (large) Page (large)	
NS5xx (except -E)	Check the back cover	Establish	1	IE 2470	Reference 1	2021/7/14	1	5-1/16	1	3-1/31

B O M

NO.	Description	Parts Number	Q'TY 1	Torque	Remark
A back cover		BY S/O			

Quality Key Points/Precautions: 1.

Wear an electrostatic bracelet during operation

Tools/Supplies:

1. Static electricity bracelet

2.Soft protective film

3. Protective film cutting jig

Hold

do

explain

1. Take the back cover (Ax) and check the appearance according to the standard. Cut a soft protective film of appropriate size and stick it on the back cover.

Note: 1. Check that the logo on the back cover must be pressed correctly, no words may be dropped, no words may be offset, and the neutral logo must be pasted correctly.

2. Press the logo back and forth 3 to 5 times, and peel off the protective film on the logo in parallel.

3. Paste a small protective film on the logo, and finally apply a soft protective film

bright

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Written by:Song Zhiheng

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process specific code		File No	Version production date		Farewell (small)	Page (Small) Site (Large) Page (Large)		
NS5xx (except -E)	Lala glue	Establish	1	IE 2470	Reference 1	2021/7/14	1	5-2/16	1	3-2/31

BOM

NO.	Description	Parts Number	Q'TY 2.1	Torque	Remark
A	Lala glue	6-47-0019L-005/00A		FOR LCD:6-50/950-LXX46-XXX work (4.6)	
B	Lala glue	6-47-L1402-050	2.1	FOR LCD:6-50/950-LXX54-XXX work (5.4) Except LCD:6-50-LBB54-Y010/Z010/G010/Y011	
C	lala glue	6-47-L1402-050	2.1	For LCD 6-50-LBB50-Z010 6-50-LBB54-Z014/Z020 work	
D	Lala glue	6-47-0019L-006/00D	2.1	FOR LCD:6-50-LBB50-Z010 work	

Quality focus/precautions: 1.

Wear an electrostatic bracelet during operation

Tools/Supplies:

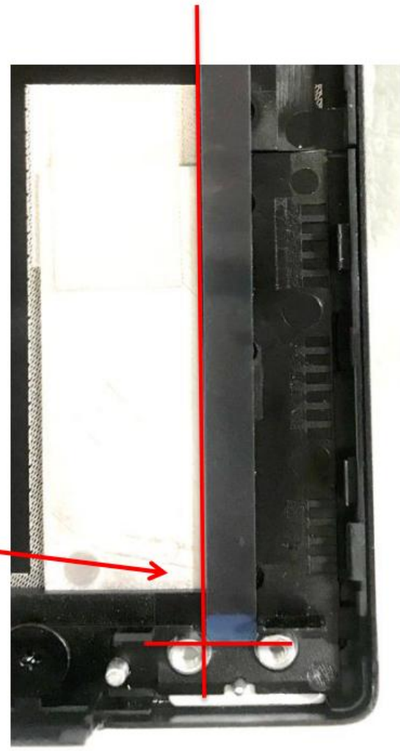
1. Static electricity bracelet

Hold

do

explain

bright



1. Stick the zip-up adhesive (A)*2 or (B)*2 or (C)*2 or (D)*2 on the back cover according to the marked line in the figure, and remove the zip-up adhesive backing.

Note: The rubber ears should be facing the Hinge.

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process specific code		File No	Version production date		Farewell (small)	Page (Small) Site (Large) Page (Large)		
NS5xx (except -E)	Lala glue	Establish	1	IE 2470	Reference 1	2021/7/14	1	5-3/16	1	3-3/31

	NO.	Description	Parts Number	Q'TY	Torque	Remark
B O M	A	Lala gum	6-47-L1402-050	4.2	FOR LCD:6-50-LBB54-Y010/G010/Y011/G011/V011/Z011/Z020	

Quality focus/precautions: 1.

Wear an electrostatic bracelet during operation

Tools/Supplies:

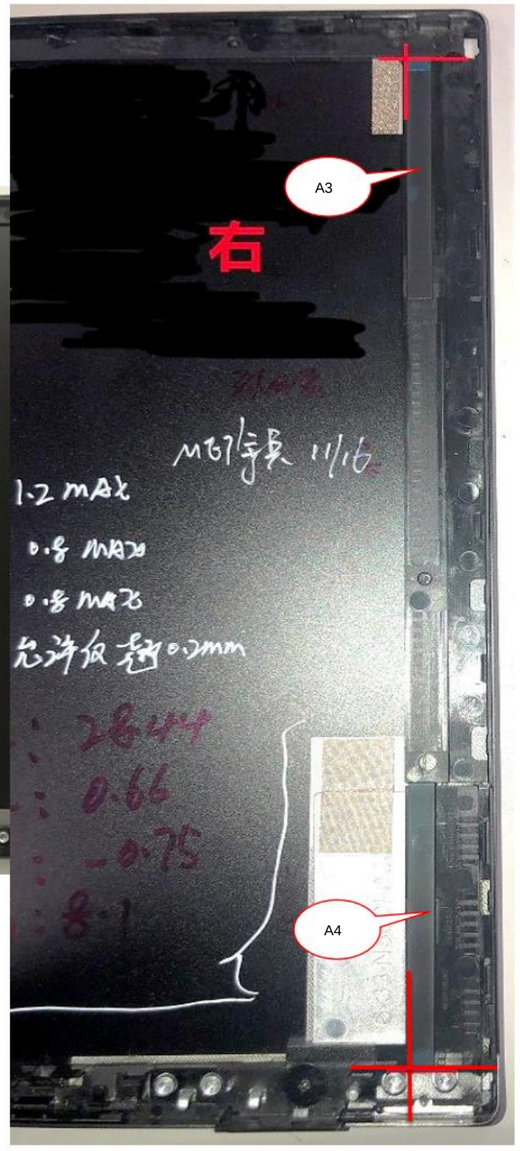
1. Static electricity bracelet

Hold

do

explain

bright



1. Stick the zip-up adhesive (A)*4 on the back cover according to the marked line in the figure, and remove the zip-up adhesive backing.

Note: Lala rubber ears facing outwards

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process specific code		File number version production date		Farewell (small)	Page (Small) Site (Large) Page (Large)	
NS5xx (except -E)	Stick Rubber	Establish	1	IE-2470	Reference 1 2021/7/14	1	5-4/16	2	2-1/31

BOM

NO.	Description	Parts Number	Q'TY 2	Torque	Remark
A	Rubber	6-47-NS501-040	2	FOR LCD:6-50/950-LXX46-XXX work (4.6)	
B	Rubber	6-47-NS501-031		FOR LCD:6-50/950-LXX54-XXX work (5.4)	
C	Rubber	6-47-NL501-011	2	FOR LCD:6-50-LBB54-Z013 work	
D	sponge	6-47-NS501-050	2	FOR LCD:6-50/950-LXX46-XXX work (4.6)	
And	Sponge	6-47-NS5P1-010-HM	2	FOR LCD:6-950/50-LBB46-Z020-XXÿ4.6ÿ	
F	Rubber	6-47-NL401-051	2	FOR LCD:6-50-LBB54-Z012/Work	

Quality focus/precautions: 1.

Wear an electrostatic bracelet during operation

Tools/Supplies:

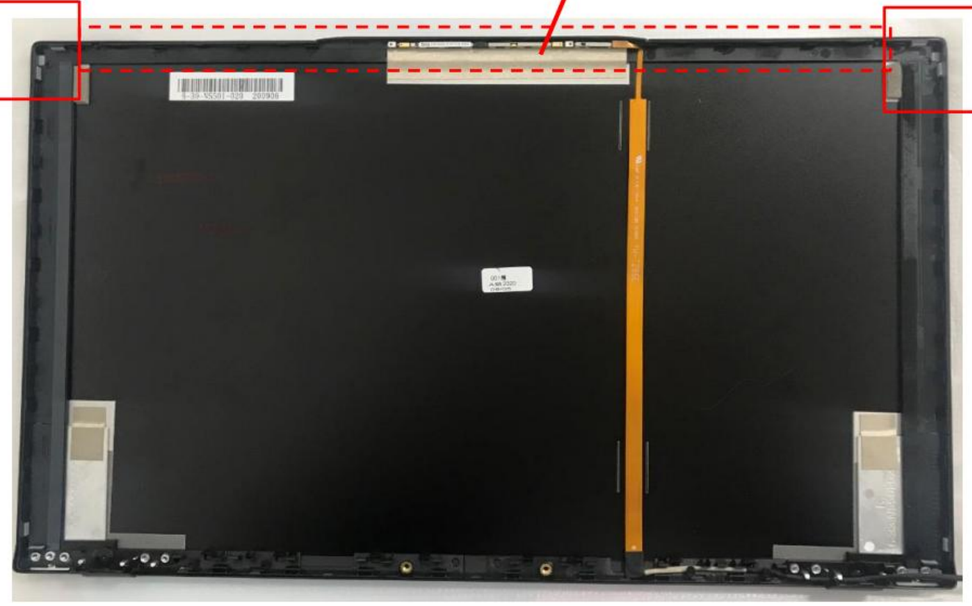
1. Static electricity bracelet

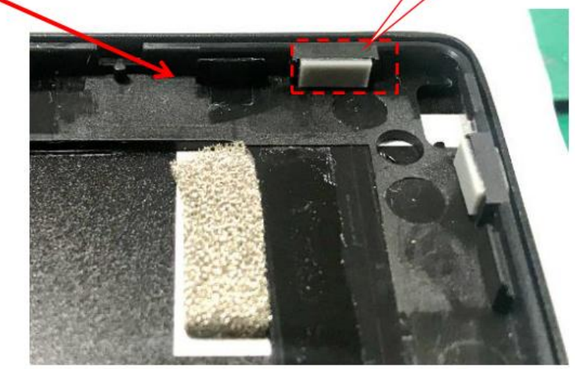
Hold

do

explain

bright





1 As shown in the figure, attach Rubber (A)*2 or (B)*2 or (C)*2 to the position shown in the back cover or (F*2) ---for manual attachment of the LCD.

2 As shown in the figure, attach sponge (D)*2 or (E)*2 to the position shown on the back cover.

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process specific code		File No	Version production date		Farewell (small)	Page (Small) Site (Large) Page (Large)		
NS5xx (except -E)	Stick Rubber	Establish	1	IE-2470	Reference 1	2021/7/14	1	5-5/16	2	2-2/31

BOM

NO.	Description	Parts Number	Q'TY 2	Torque	Remark
A Rubber		6-47-NS501-031			
B	Rubber	6-47-NL501-011	2		FOR LCD:6-50-LBB50-Z010/6-50-LBB54-Z013
C Rubber		6-47-NS701-010	2		FOR LCD:6-50-LBB54-V011
D Rubber		6-47-NL501-011	2		FOR LCD:6-50-LBB50-Z010
E Rubber		6-47-NS501-031	2		FOR LCD:6-50-LBB46-Z020

Quality focus/precautions: 1.

Wear an electrostatic bracelet during operation

Tools/Supplies:

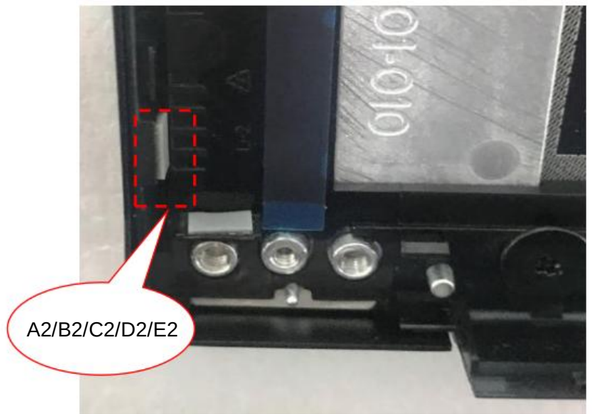
1. Static electricity bracelet

Hold

do

explain

bright



1 As shown in the figure, attach Rubber (A)*2 or (B)*2 or (C)*2 or (D)*2 or (E)*2 to the position shown on the back cover --- for manual attachment of the LCD.

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process type	code	File No	Version	production date	Site type (small)	Page number (small)	Site type (large)	Page number (large)
NS5xx (except -E)	Install CCD	Establish	1	IE-2470	Reference 1	2021/7/14	2	2-1/16	3	1-1/31

BOM

NO.	Description	Parts Number	Q'TY 1	Torque	Remark
A1 CCD		6-88-NS50C-5110			S/O 1. Wear an electrostatic bracelet during
A2 CCD		6-88-NS50C-5101/5102	1		operation
B1 CCD cable		6-43-NS50T-011/021/010	1		By S/O By S/O
B2 CCD cable		6-43-NS5PT-010	1		By S/O
C sponge		6-47-NS501-050	1	FOR LCD:6-50/950-LXX46-XXX work (4.6)	
D sponge		6-47-NS5P1-010-HM	1	FOR LCD:6-950/50-LBB46-Z020-XXÿ4.6ÿ	

Quality focus/precautions: By

Tools/Supplies:

1. Static electricity bracelet

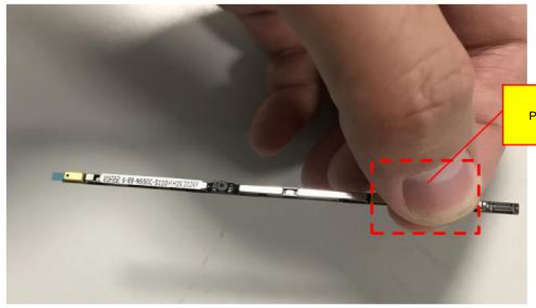
2. Cable management stick

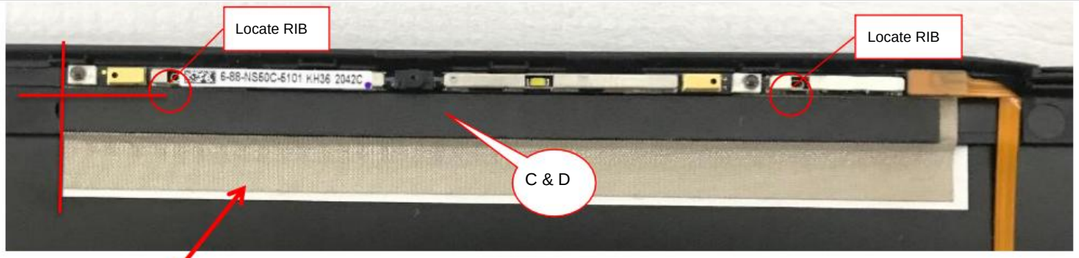
Hold

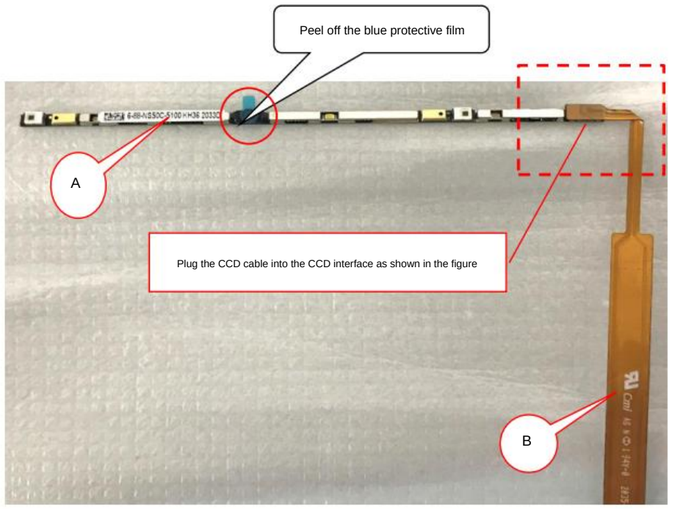
do

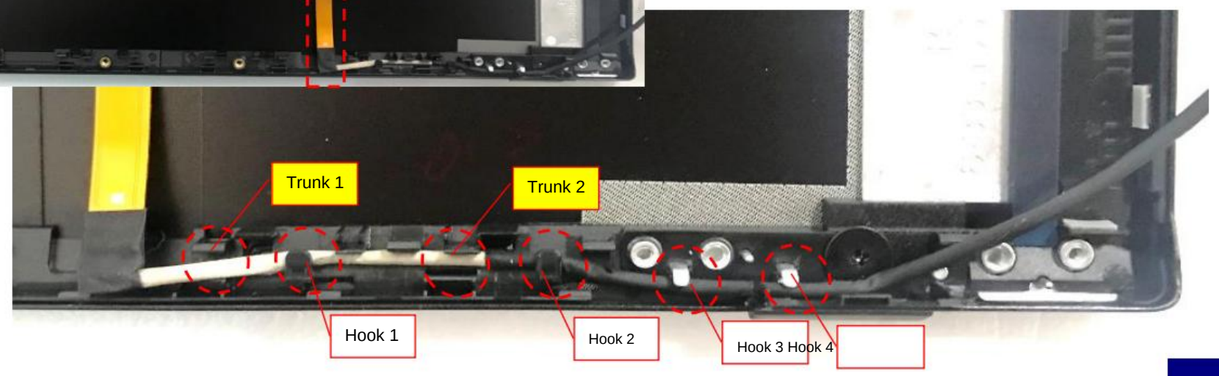
explain

bright









1 Take the CCD as shown in the figure, take the CCD cable (B) and plug it into the CCD interface

2. Take the processed CCD, tear off the adhesive on the body, align and position the RIB, and install it on the back cover as shown in the picture.

3. Tear off the adhesive on the CCD cable and stick the CCD cable inside the MARK line on the back cover.

4 As shown in the figure, the CCD cable passes through the cable trough 1-hook 1-cable trough 2-hook 2-hook 3-hook 4

5 As shown in the figure, attach the sponge (C) and the position of the back cover as shown

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The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code file number version production date					Farewell (small)	Page (Small) Site (Large) Page (Large)		
NS5xx (except -E)	Check LCD	Establish	1	IE-2470	Reference 1	2021/7/14	2	2-2/16	4	1-1/31

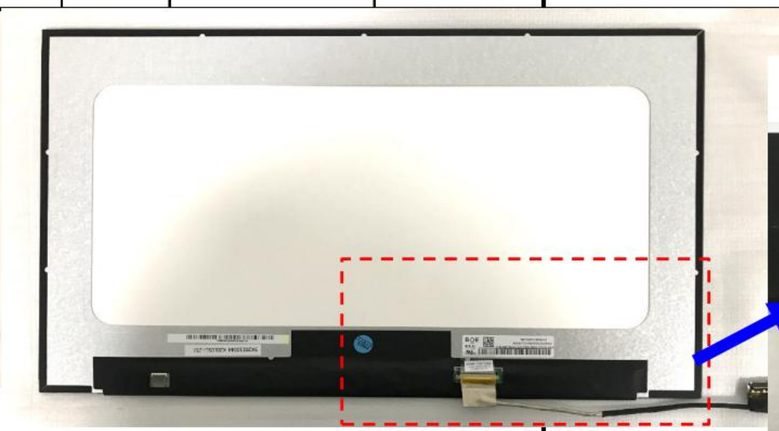
BOM

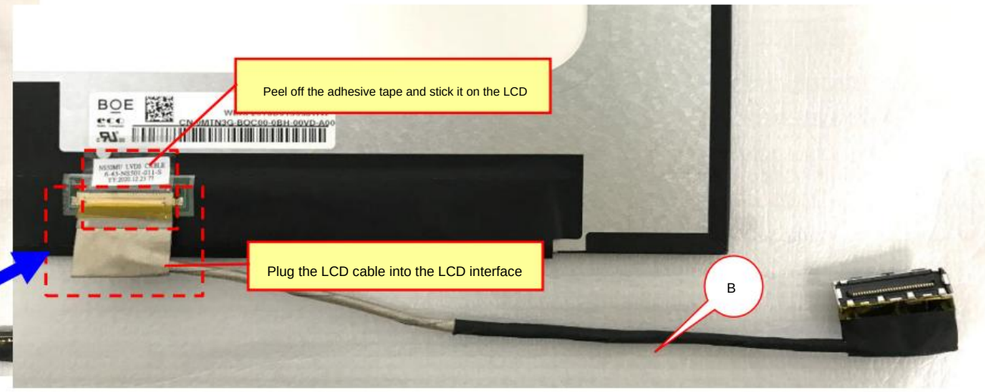
NO.	Description	Parts Number	Q'TY 1 1	Torque	Remark Quality Key
A LCD		BY S/O	1		
B1 LCD cable		6-43-NS501-011-S			By S/O
B2 LCD cable		6-43-NS501-011-1N			MIDERN
C Mylar		6-40-M55J2-030	1		Customer Import other now Customer BY M/O

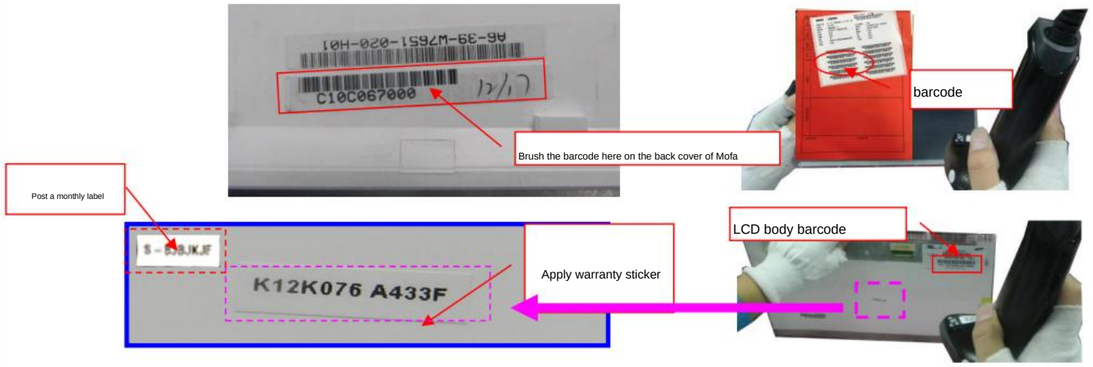
Points/Notes: 1. Wear an electrostatic bracelet during work By S/O

Tools/Supplies:

1. Static electricity bracelet
2. Brushing the gun
3. Computer







1 Take the LCD (A) and check the appearance according to the standard

Note: A. Tear off the LCD protective film and check whether the LCD is cracked

2. Take out the process card, swipe the barcode, and place the process card on the pallet.

3. Brush the LCD barcode and LCD light and dark points to enter the system.

4. For the Mofa back cover, swipe the back cover barcode (Cxxxxxxxxx) into the system

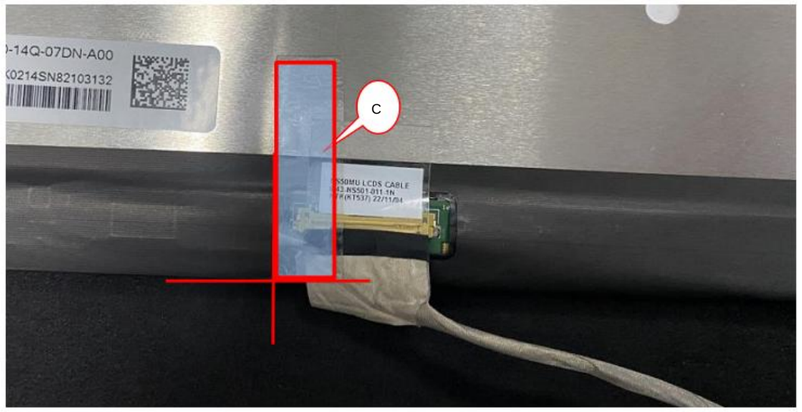
Note: When the Mofa back cover flows down with the thread, do not take it out from the non-woven bag. 5

Attach the LCD warranty sticker to the back of the LCD - the position is in the lower left corner

6. Attach the month mark to the back of the LCD - the position is to the lower left corner. Positive sticker

a. For customer Consign LCD, put "CONSIGN" sticker instead of monthly label

b. For trial production models, this monthly label does not need to be attached.



7 Take the LCD cable (B) and insert it into the LCD interface (the LCD cable must be inserted all the way)

8. Tear off the adhesive tape on the cable tie and stick it on the LCD.

9 Attach 1pcs mylar (C) on the back at the position shown in the picture above

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The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code	file number	version	production date		Farewell (small)	Page (Small)	Site (Large)	Page (Large)
NS5xx (except -E)	Install LCD on the back cover	Establish	1	IE-2470 Part 1		2021/7/14	3	2-1/16	5	1-1/31

B O M

NO.	Description	Parts Number	Q'TY	Torque Remark

quality points/notes: 1. Wear an electrostatic bracelet during operation

Tools/Supplies:

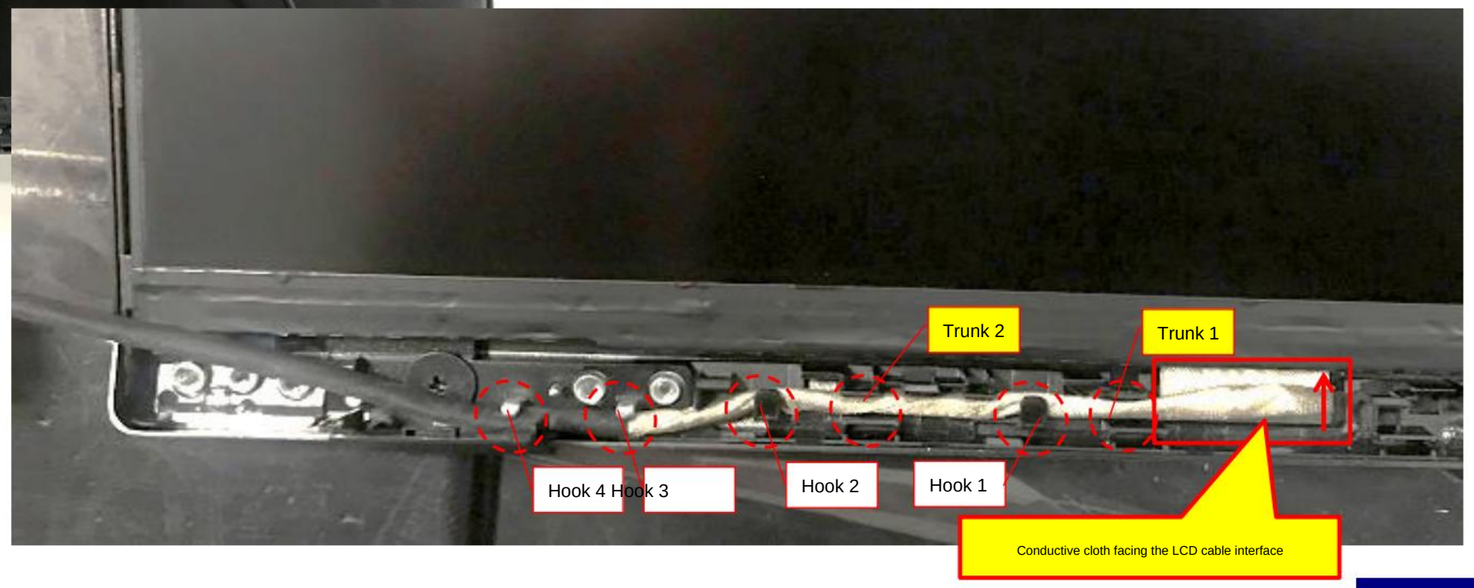
1. Static electricity bracelet

2. Cable management stick

Hold

do

explain



1 Install the LCD on the back cover along the upper left corner of the back cover as shown in the figure

2 Press the adhesive position on the back cover to make the LCD and back cover stick better

3. As shown in the figure, arrange the LCD cable through the cable trough 1-hook 1-cable trough 2-hook 2-hook 3-hook 4

bright

Note: For LCD cable 6-43-NS501-011-1N/S: Fold the LCD cable interface conductive cloth in half according to the arrow in the figure.

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The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code	file number	version	production date		Site (small)	Page (small)	Site (large)	Page (large)	
NS5xx (except -E)	Install Hinge on the back cover	Establish	1		IE-2470 Part 1	2021/7/14	3	2-2/16	6	1-1/31	

B O M	NO.	Description	Parts Number	Q'TY 1	Torque	Remark quality
	A Hinge-L		6-33-NS501-0L1			
	B Hinge-R		6-33-NS501-0R1	1		
	C screw		6-35-B6120-3RD	4	1.5±0.2	
	D Sponge		6-47-0019A-00H	1		BY M/O

focus/notes: Tools/consumables:

1. Wear an electrostatic bracelet during work 1. Electrostatic bracelet

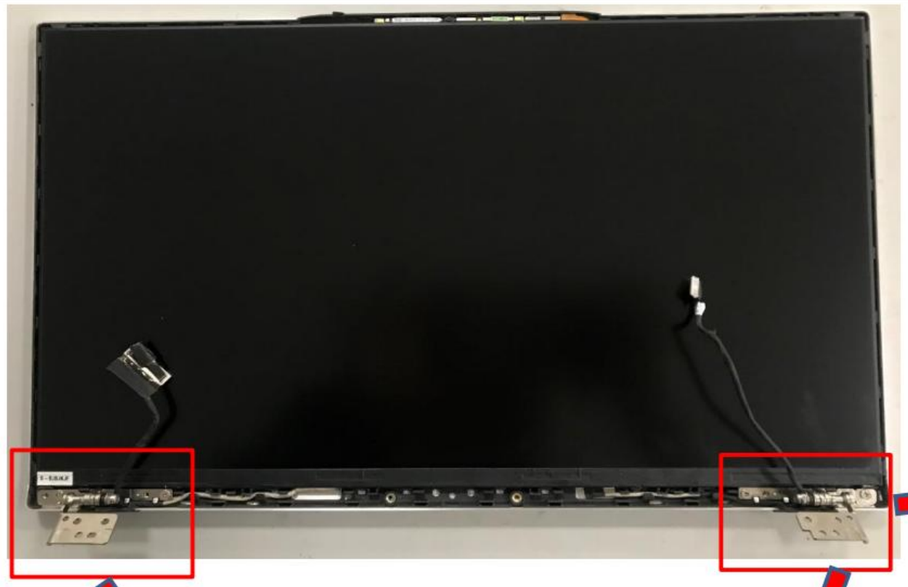
2. The hanging height of the fixture (i.e.: pallet ÿ height of the lowest point of the fixture) ÿ 38 cm 2. Electric driver, self-supplied screw machine

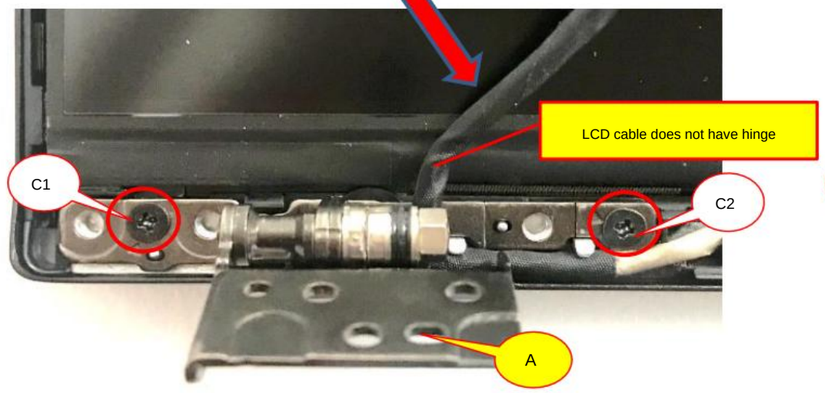
3. Lock the screws in order, and be careful not to slip or miss the lock.

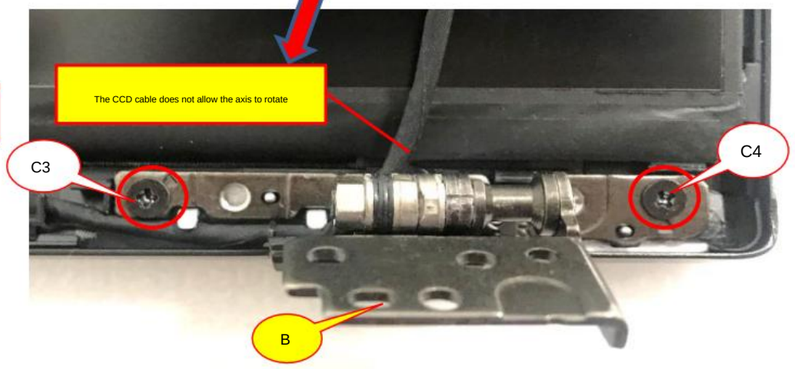
Hold

do

explain







1 Take Hinge-L (A) & Hinge-R (B) and align the positioning posts and install them on the back cover

2. Take a total of 4 screws (C1~C4) to lock the Hinge on the back cover (the one with a triangle symbol on the body)

Note: LCD & CCD cables are not free of hinges

bright

3 Paste Sponge (D)*1 as shown in the picture

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process type	code	File number version	production date		Farewell (small)	Page (Small) Site (Large)	Page (Large)	
NS5xx (except -E)	Install HINGE CAP on the back cover	Establish	1	IE-2470	Reference 1	2021/7/14	4	3-1/16	7	1-1/31

BOM

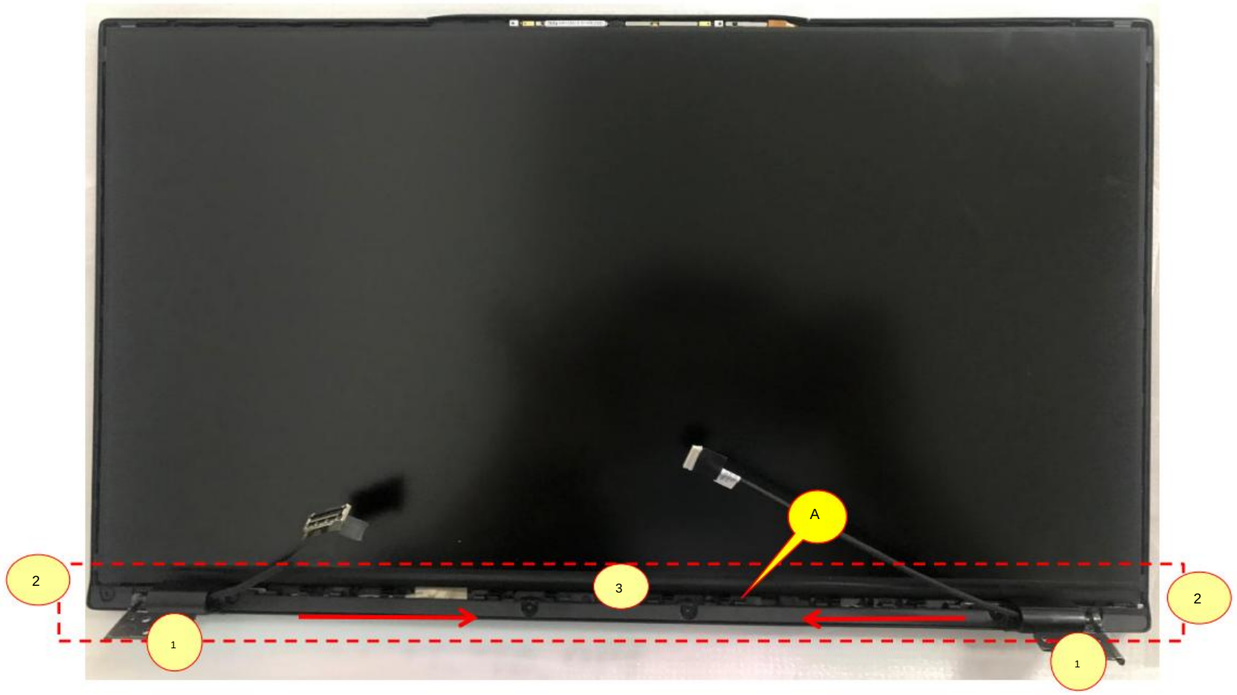
NO.	Description	Parts Number	Q'TY 1 2	Torque	Remark quality focus
A	HINGE CAP	6-42-NS501-102			
B	screw	6-35-82125-4R5/-1		2.5±0.2	

notes: Tools/consumables:

1. Wear an electrostatic bracelet during work 1. Electrostatic bracelet
2. The hanging height of the fixture (i.e.: pallet ÿ height of the lowest point of the fixture) ÿ 38 cm 2. Electric driver, self-supplied screw machine
3. Lock the screws in order, and be careful not to slip or miss the lock.

Hold

do



explain

1 Take HINGE CAP (A) and check the appearance according to the standard

2 Install the HINGE CAP on the back cover and engage the hooks shown in the Hinge icon on both sides.

3 Follow the sequence shown in the figure and press HINGE CAP manually

4 Take out the screws (B)*2 and lock the HINGE GAP as shown in the figure

5 Pull all the wires at the left hinge back and forth 2 to 3 times, and check that the front and rear covers are combined with the left hinge so that no wires are caught.

bright

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process type	code	File number version	production date		Farewell (small)	Page (Small) Site (Large) Page (Large)		
NS5xx (except -E)	Card front frame	Establish	1	IE-2470	Reference 1	2021/7/14	4	3-2/16	8	1-1/31

BOM

NO.	Description	Parts Number	Q'TY 1 1	Torque	Remark quality points/notes: 1. Wear an electrostatic bracelet during work	Tools/Supplies: 1. Static electricity bracelet
A	Front frame B1	BY S/O				
CCD LENS	B2 CCD LENS	6-42-NS501-050				
		6-42-NS501-060	1			

Hold do explain bright

1 Take the front frame (A) and check the appearance according to the standard

Note: If the front frame comes with its own adhesive, remove the adhesive.

2 Tear off the LCD protective film and install the front frame (A) on the back cover

3 Follow the sequence shown in the figure and press the front frame manually

4 Put back the LCD protective film

5 Take the CCD Lens (B) and install it on the front frame with the tail facing right

Note: The small blue Mylar on the CCD Lens cannot be removed.

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Written by:Song Zhiheng

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process type	code	File number version	production date	Farewell (small)	Page (Small)	Site (Large)	Page (Large)
NS5xx (except -E)	Install HINGE CAP on the back cover	Establish	1	IE-2470	Reference 1 2021/7/14	4	3-3/16	9	1-1/31

BOM

NO.	Description	Parts Number	Q'TY 5	Torque	Remark quality focus
A screw		6-35-82125-4R5/-1		2.5±0.2	

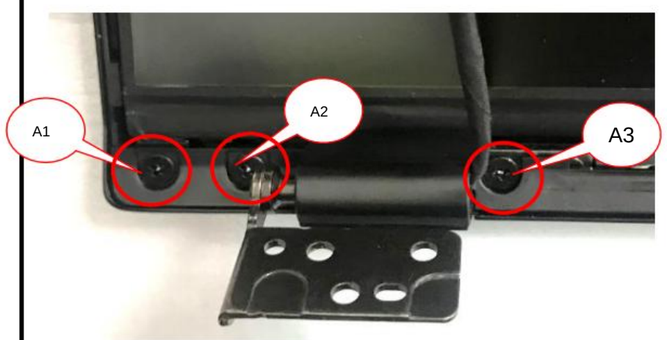
notes: Tools/consumables:

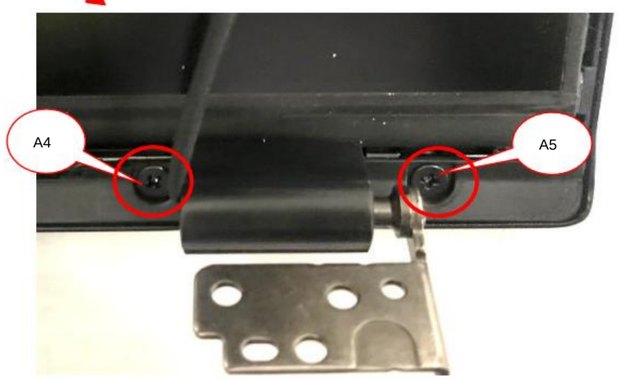
1. Wear an electrostatic bracelet during work 1. Electrostatic bracelet
2. The hanging height of the fixture (i.e.: pallet ÿ height of the lowest point of the fixture) ÿ 38 cm 2. Electric driver, self-supplied screw machine
3. Lock the screws in order, and be careful not to slip or miss the lock.

Hold

do

explain





1 Take out the screws (A)*5 and lock the HINGE GAP as shown in the figure

bright

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process specific code		File number version production date			Farewell (small)	Page (Small) Site (Large) Page (Large)	
NS5xx (except -E)	Post Mylar	Establish	1	IE-2470	Reference 1	2021/7/14	5	3-1/16	10	1-1/31

BOM

NO.	Description	Parts Number	Q'TY	Torque	Remark
A Mylar		6-40-NS501-050/051	7.2		

Quality focus/precautions: 1.

Wear an electrostatic bracelet during operation

Tools/Supplies:

1. Static electricity bracelet

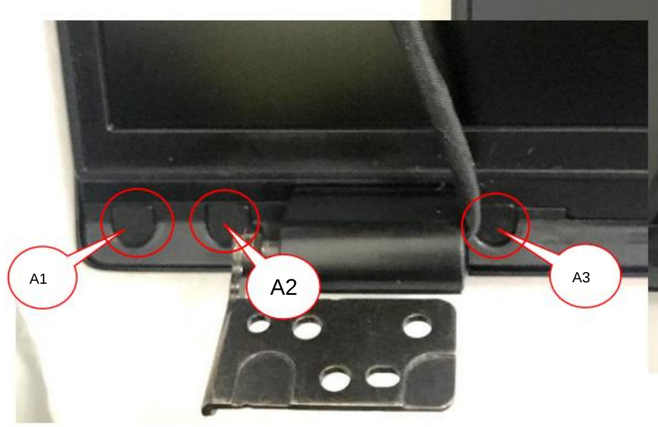
2. Plastic tweezers

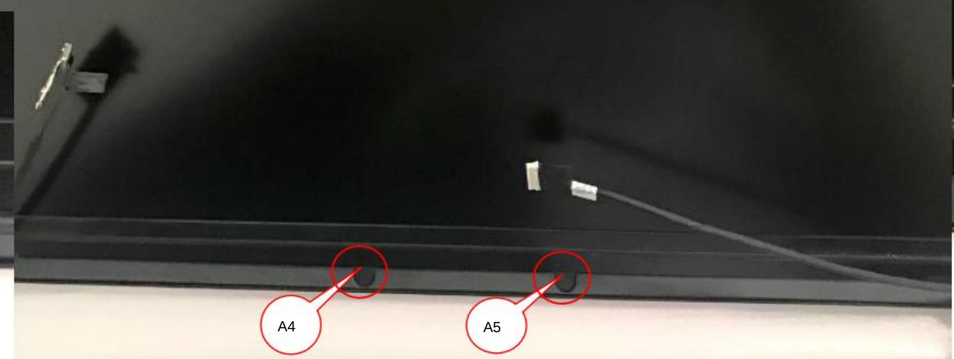
Hold

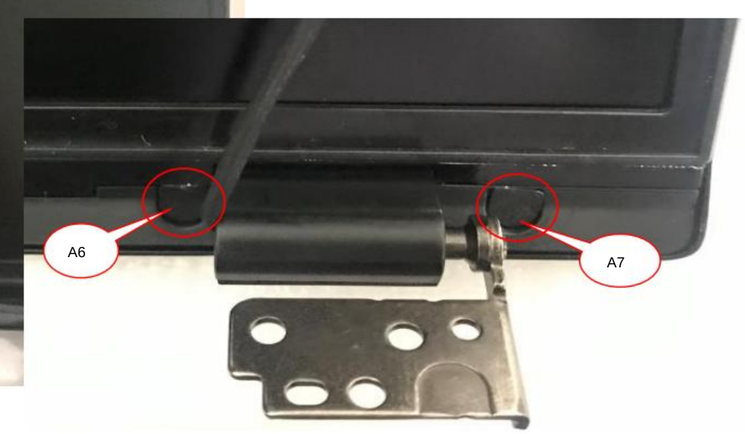
do

explain

bright







1. Take Mylar (A)*7 and stick it on the front frame as shown in the picture with plastic tweezers.

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The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process specific code		File number version production date		Farewell (small)	Page (Small) Site (Large) Page (Large)		
NS5xx (except -E)	Processing TP	Establish	1	IE-2470	Reference 1 2021/7/14	5	3-2/16	11	1-1/31

BOM

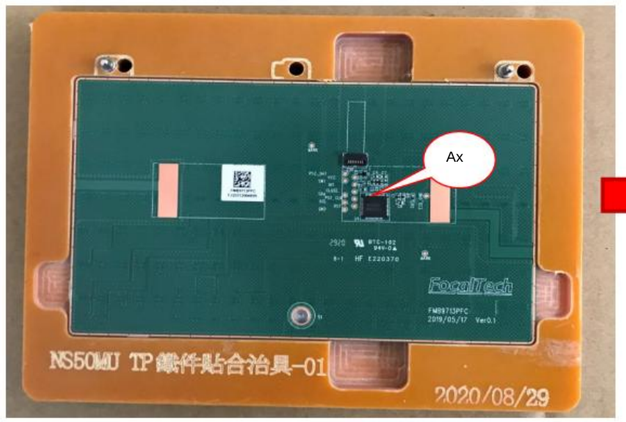
NO.	Description	Parts Number	Q'TY 1	Torque	Remark
A1 T/P		6-49-NL4C3-011			FP
A2 T/P		6-49-NL403-011			operation W/O FP
A3 CLICK	PAD ELAN	6-49-NS503-010/011			10s W/ FP
A4 CLICK	PAD ELAN	6-49-V15K3-011	1 1 1		W/O FP BY
B	Click PAD BKT	6-33-NS502-011/012/013	1		M/O

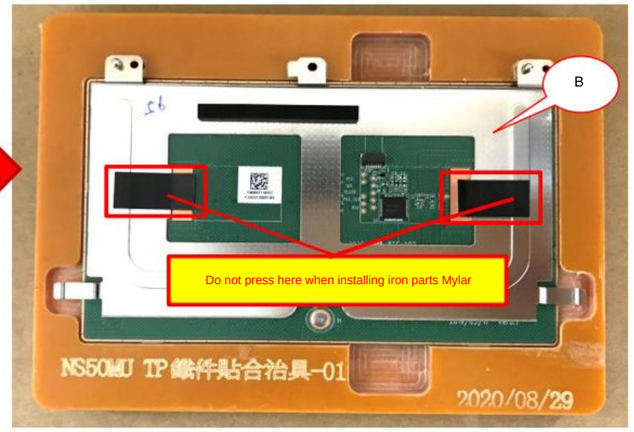
Quality focus/precautions: W/
1. Wear an electrostatic bracelet during
2. Pressing time:
3. Fixture pressure: 5.9-6.9kgf/cm³

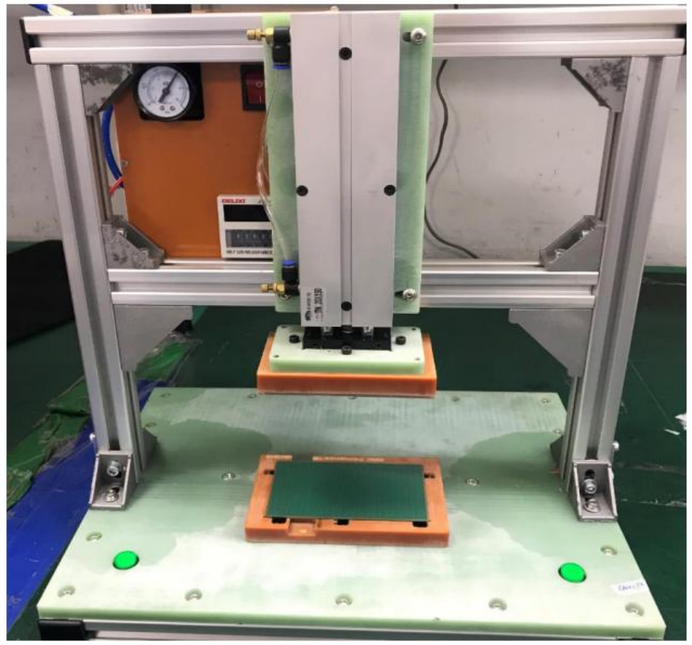
Tools/Supplies:
1. Static electricity bracelet
2.NS50MU TP iron fitting fixture/01
3.NS50MU TP iron assembly jig
4.Click PAD iron parts laminating machine

Hold

do







explain

1. Take TP (Ax) as shown in the figure and place it in the iron fitting jig.

Remarks: Laminating jig number: NS50MU TP iron fitting jig/01

2 Take Click PAD BKT (B), tear off its release paper, and place it in the iron attachment jig as shown in the picture.

3 Place the processed Click PAD in the iron pressing jig for pressing

Remarks: Pressing fixture number: NS50MU TP iron parts pressing fixture

bright

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process specific code		File number version production date		Farewell (small)	Page (Small) Site (Large) Page (Large)	
NS5xx (except -E)	Check the upper cover	Establish	1	IE-2470	Reference 1 2021/7/14	5	3-3/16	12	1-1/31

BOM	NO.	Description	Parts Number	Q'TY 1	Torque	Remark
	A	Upper cover	BY S/O			

Quality focus/precautions: 1.

Wear an electrostatic bracelet during operation

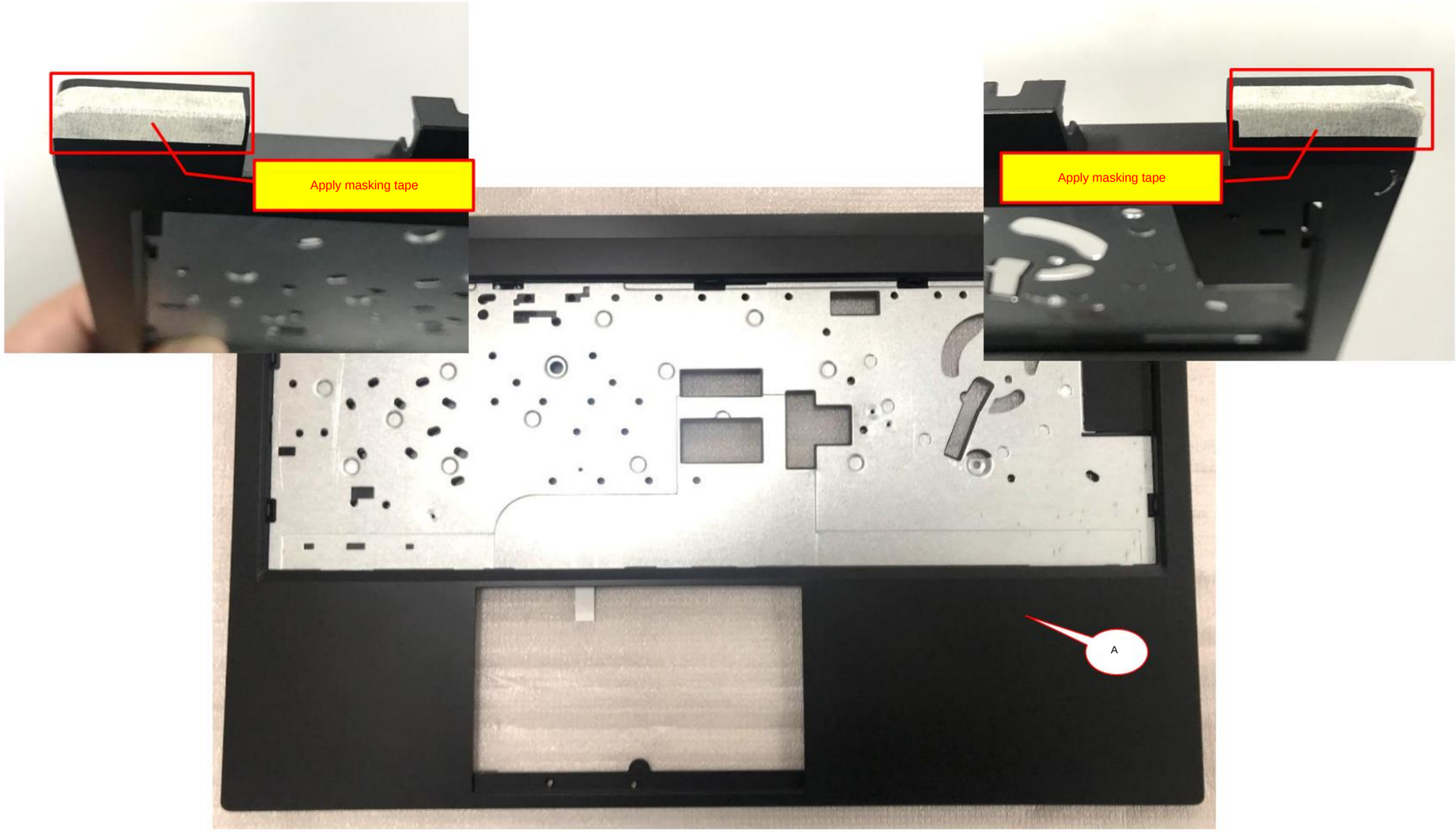
Tools/Supplies:

1. Static electricity bracelet

Hold

do

explain



A Take out the upper cover from the raw material outer box (A) and check the appearance according to the standard

bright

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The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process specific code		File number version production date		Farewell (small)	Page (Small) Site (Large) Page (Large)		
NS5xx (except -E)	Install T/P	Establish	1	IE-2470	Reference 1 2021/7/14	6	4-1/16	13	1-1/31

BOM

NO.	Description	Parts Number	Q'TY 3	Torque	Remark
A screw		6-35-B1120-2RA/-1		1.5±0.2	W/ FP

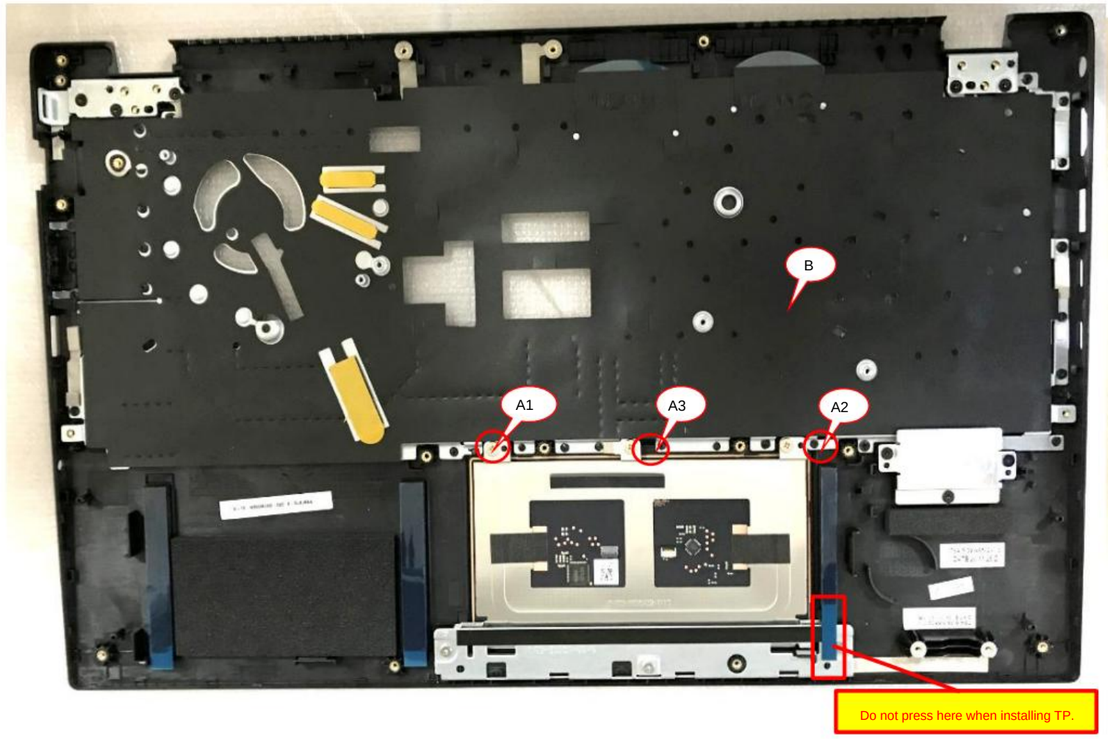
Quality Focus/Notes: Tools/Supplies:

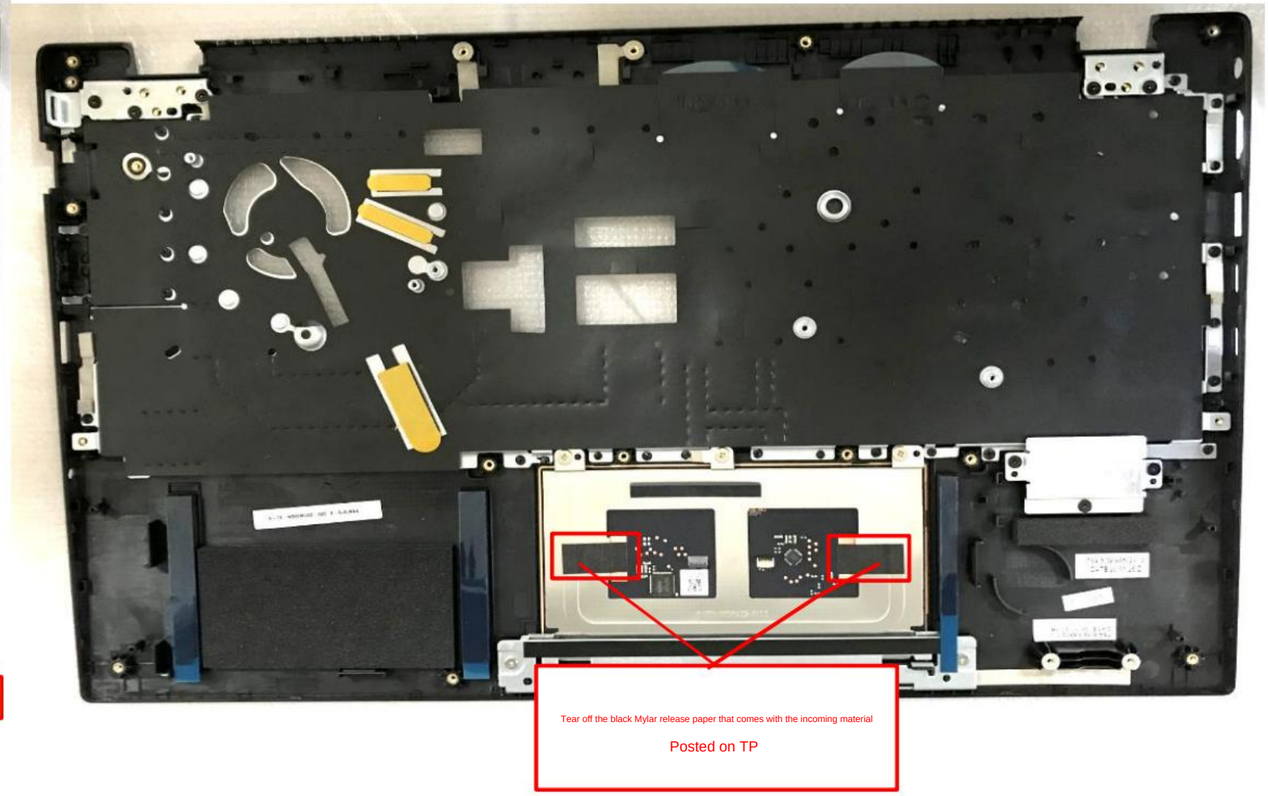
1. Wear an electrostatic bracelet during work 1. Electrostatic bracelet

2. The hanging height of the fixture (i.e.: pallet ÿ height of the lowest point of the fixture) ÿ 38 cm 2. Electric driver, self-supplied screw machine

3. Lock the screws in order, and be careful not to slip or miss the lock.

Hold do explain bright





1 Take the processed TP and assemble it with the upper cover as shown in the figure

2. Take the screws (A)*3 and fasten the TP to the upper cover in the order shown in the picture.

3. Peel off the black Mylar release paper that comes with the incoming material and stick it on the TP.

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process specific code		File number version production date		Farewell (small)	Page (Small) Site (Large) Page (Large)		
NS5xx (except -E)	Processing TP Mylar	Establish	1	IE-2470	Reference 1 2021/7/14	6	4-2/16	14	2-1/31

BOM

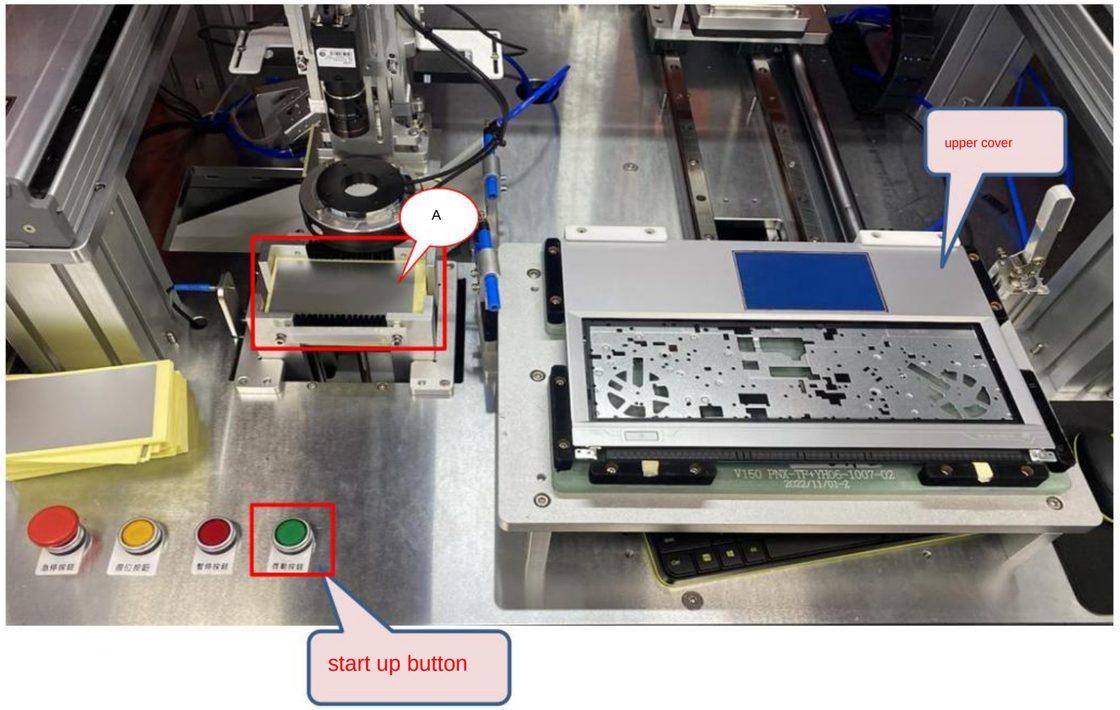
NO.	Description	Parts Number	Q'TY 1	Torque	Remark
A1	TP MYLAR	BY S/O			

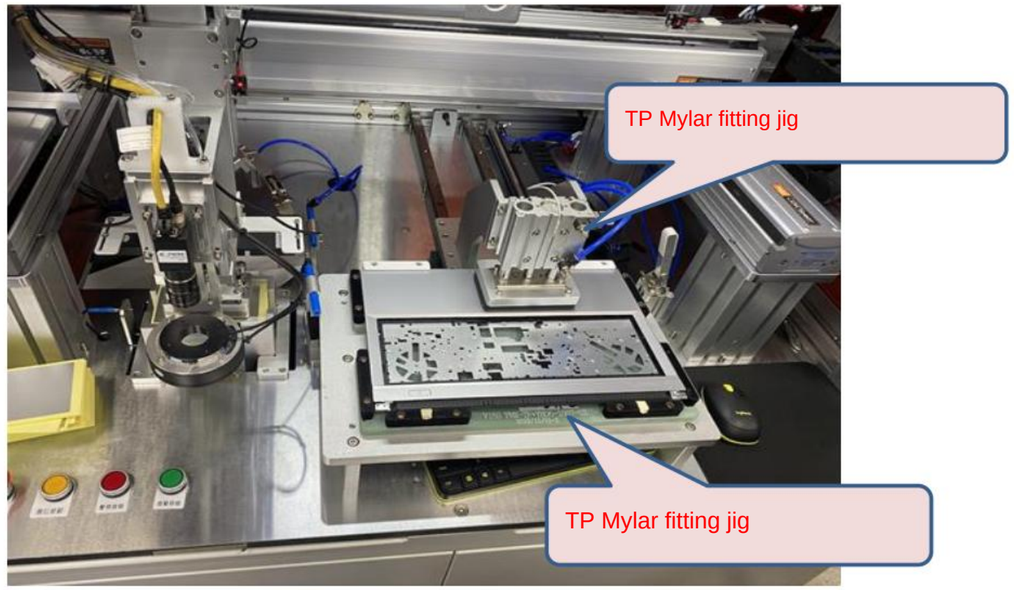
Quality focus/precautions: 1.
Wear an electrostatic bracelet during
operation 2. Pressure range: 5.9~6.9Mpa
3. Pressing time: 5S

Tools/Supplies:
1. Static electricity bracelet
2. Name of pressing fixture:

Hold

do





explain

1. Take TP Mylar (A) and put it into the location shown in the device icon.

2 Take the TP Mylar laminating jig and put it into the equipment

3 Press the green start button to start the device

4 Wait for the device to automatically attach TP Mylar and laminate TP Mylar

5 Remove the upper cover and check whether the TP Mylar is centered, skewed, etc.

bright

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The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process specific code		File number version production date		Farewell (small)	Page (Small) Site (Large) Page (Large)	
NS5xx (except -E)	Processing TP Mylar	Establish	1	IE-2470	Reference 1 2021/7/14	6	4-3/16	14	2-2/31

BOM	NO.	Description	Parts Number	Q'TY 1	Torque	Remark
	A TP MYLAR		BY S/O			

Quality focus/precautions: 1. Wear an electrostatic bracelet during operation 2. Fixture pressing time: 5s 3. Fixture pressure: 5.9~6.9kgf/cm³

Tools/Supplies:
1. Static electricity bracelet
2.NS50MU TP Mylar laminating fixture

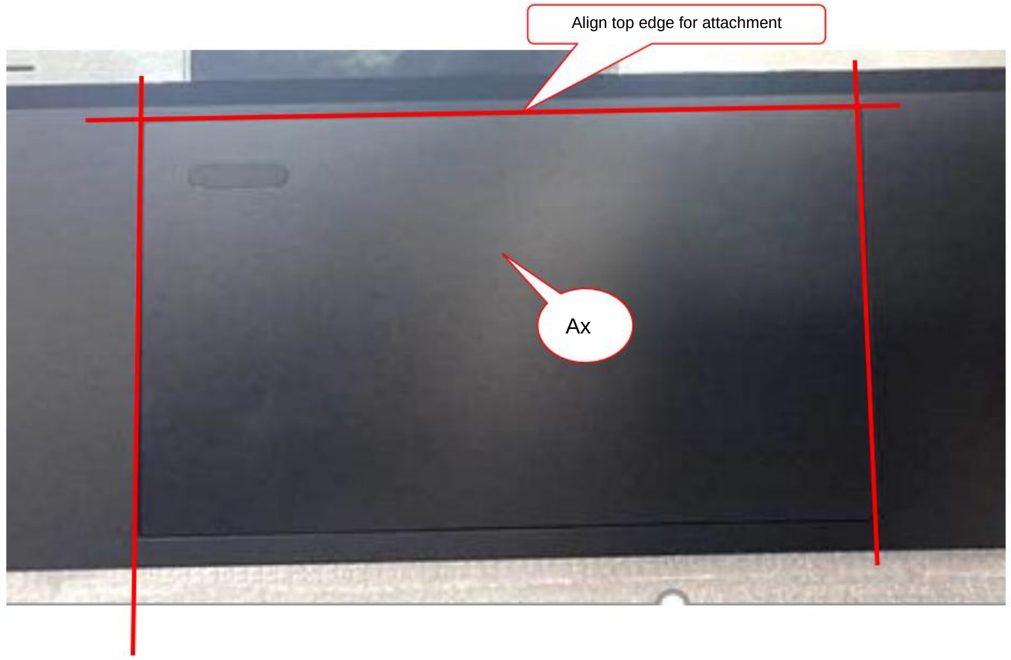
Hold

do

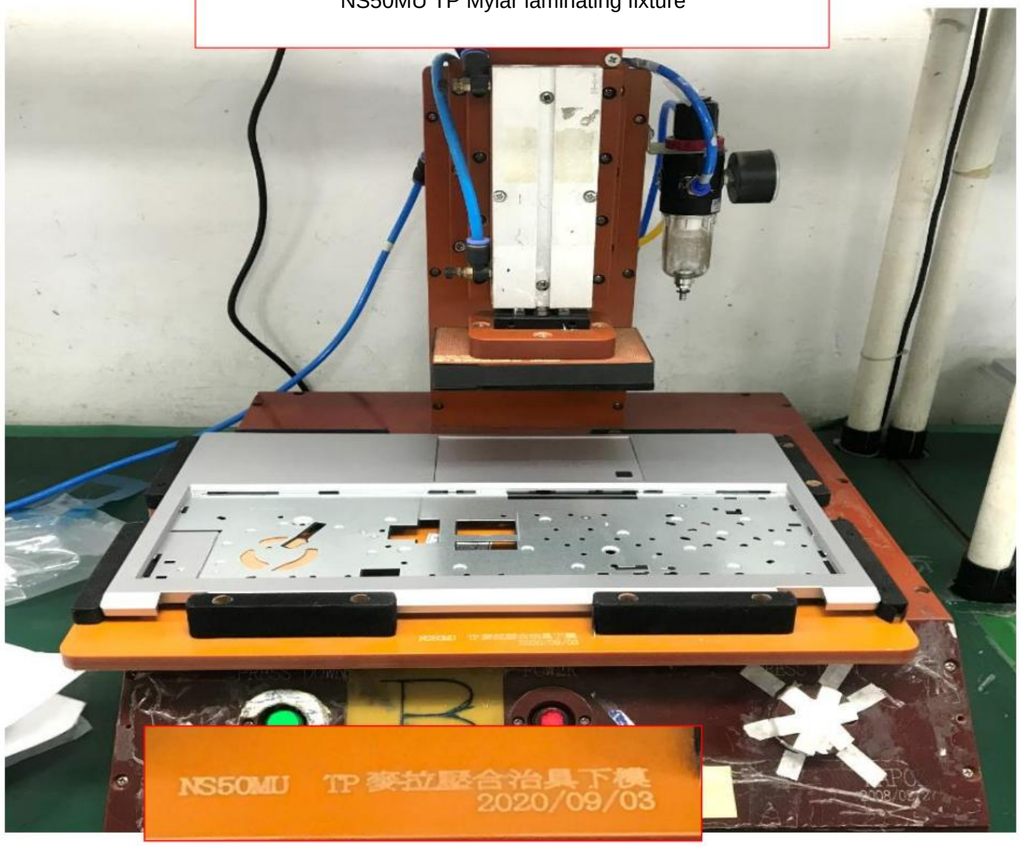
explain

bright

For work when taking out fingerprints



NS50MU TP Mylar laminating fixture



1. Take TP mylar (Ax) and extend the upper edge and stick it to the position shown in the picture.

2 Place the cover in the TP laminating jig

3 Press the start button to press

Note: When taking out fingerprints, TP Mylar needs to be attached manually.

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process specific code		File number version	production date		Farewell (small)	Page (Small) Site (Large)	Page (Large)	
NS5xx (except -E)	ÿCLICK SWITCH BKT	Establish	1	IE-2470	Reference 1	2021/7/14	6	4-4/16	15	1-1/31

BOM

NO.	Description	Parts Number	Q'TY 1 3	Torque	Remark
A	CLICK SWITCH BKT 6-33-NS502-031/013				
B	screw	6-35-B1120-3RD		1.5±0.2	

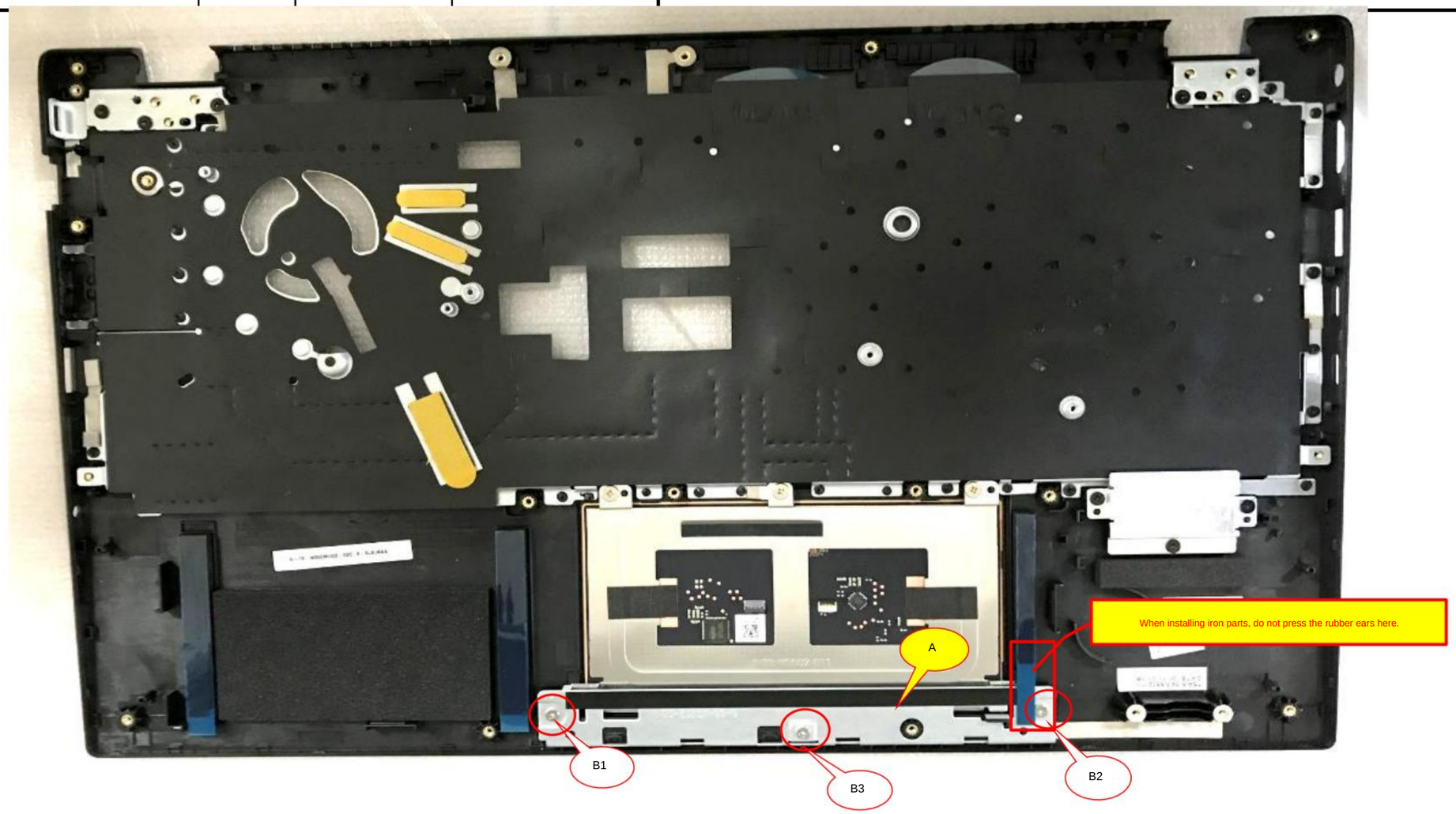
Quality Focus/Notes: Tools/Supplies:

1. Wear an electrostatic bracelet during work 1. Electrostatic bracelet
2. The hanging height of the fixture (i.e.: pallet ÿ height of the lowest point of the fixture) ÿ 38 cm 2. Electric driver, self-supplied screw machine
3. Lock the screws in order, and be careful not to slip or miss the lock.

Hold

do

explain



1 Take CLICK SWITCH BKT (A) and install it at the position shown in the upper cover

2. Take the screws (B)*3 and lock the iron parts on the upper cover in the order shown in the picture.

bright

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code	file number	version	production date			Farewell (small)	Page (Small)	Site (Large)	Page (Large)
NS5xx (except -E)	The upper cover is combined with the LCD part	Establish	1		IE-2470 Part 1		2021/7/14	7	2-1/16	16	1-1/31

B O M

NO.	Description A	Parts Number	Q'TY 4	Torque	Remark
screw		6-35-82125-6RA/-1		2.5±0.2	
B1	Upper cover	6-78-NS50MU02-01x/02x	1		BY SO
B2	Upper cover	6-78-NS50MU02-01x/02x-xx	1		BY SO
B3	Upper cover	6-78-NS50MU02-010/011/020/021/-xx	1		BY SO
B4	Upper cover	6-78-NS51MU02-010/011/020/021-xx	1		BY SO
B5	Upper cover	6-78-NS50PU02-010/011/020/-xx	1		BY SO
B6	Upper cover	6-78-NS51PUHM2-010	1		BY SO
B7	Upper cover	6-78-NS50AU02-001	1		BY SO

quality points/notes: 1. Wear an electrostatic bracelet during work 2. Fixture hanging height (i.e.: pallet ÿ height of the lowest point of the fixture) ÿ38 cm 2. Electric screwdriver, self-supplied screw machine 3. Lock the screws in order, be careful not to slip or miss the lock 3. Soft protective film

Tools/Supplies:

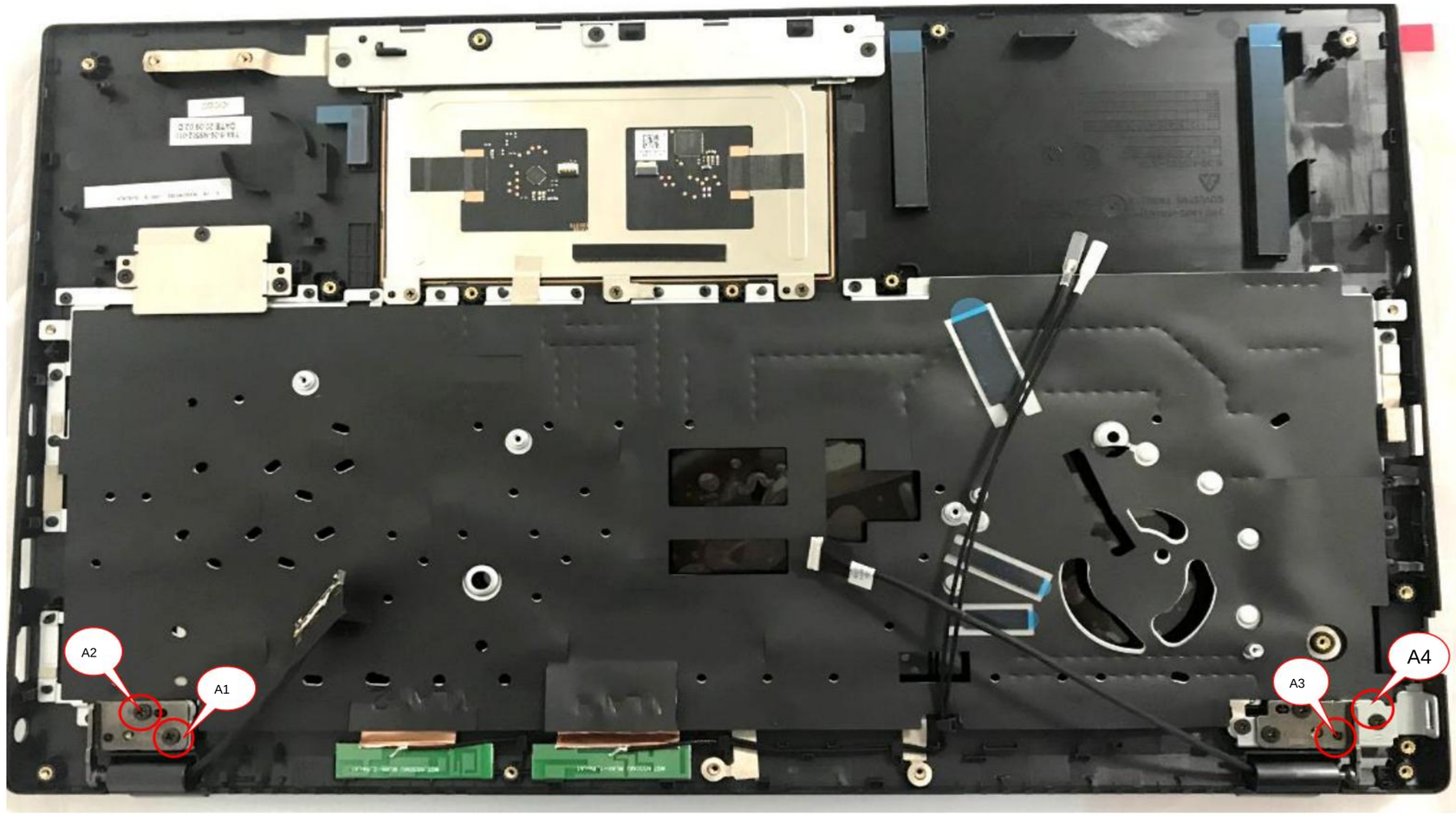
1. Static electricity bracelet

4. Protective film cutting jig

Hold

do

explain



1 Take the upper cover (Bx), remove the packaging bag, check the appearance, cut a suitable size of soft protective film and stick it on the upper cover

2. Take the upper cover (B) and combine it with the LCD part. Take 4 screws (A1~A4) to lock the Hinge (the one with the triangle symbol on the body)

Note: The upper cover screw holes and Hinge screw holes must be aligned

bright

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The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code	file number	version	production date			Farewell (small)	Page (Small)	Site (Large)	Page (Large)
NS5xx (except -E)	Install HALL SENSOR small card	Establish	1		IE-2470 Part 1		2021/7/14	7	2-2/16	17	1-1/31

BOM

NO.	Description	Parts Number	Q'TY 1 1	Torque	Remark
A1	HALL SENSOR small card 6-77-NS501-D02/D03				
A2	HALL SENSOR small card 6-77-NS5A1-D01				
B	LID TO MB cable	6-43-NS500-031/-1			
C	screw	6-35-1-B1120-4RC/-1	1 1	1.5±0.2	

quality focus/notes: Tools/consumables:

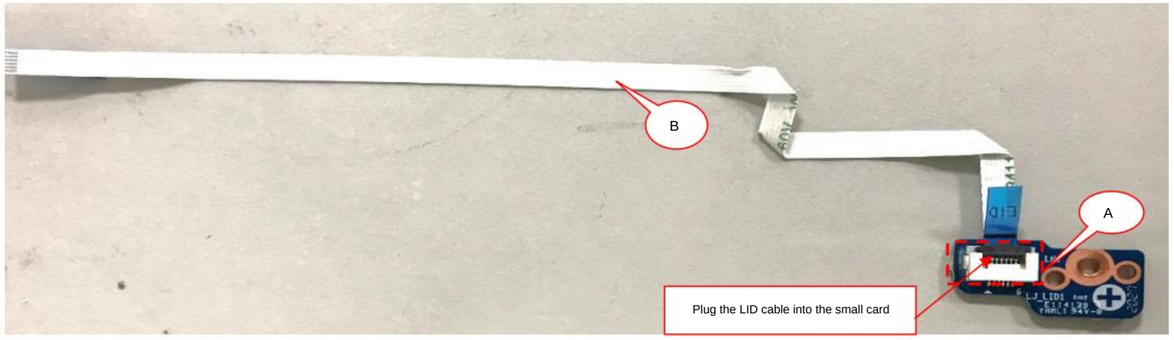
1. Wear an electrostatic bracelet during work 1. Electrostatic bracelet
2. The hanging height of the fixture (i.e.: pallet ÿ height of the lowest point of the fixture) ÿ 38 cm 2. Electric driver, self-supplied screw machine
3. Lock the screws in order, and be careful not to slip or miss the lock.

Hold

do

explain

bright



1. Take the HALL SENSOR small card (A), open the HALL SENSOR small card interface baffle, take the cable (B) with the word LID on one end and insert it into the corresponding interface of the small card, and snap the baffle to fix the cable.

2. Take the processed HALL SENSOR small card and install it on the upper cover as shown in the picture, and take out the screw (C)*1 to lock it.

3. Tear off the adhesive tape of the cable and stick it on the upper cover.

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The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code file number version production date					Site (small) Page (small) Site (large) Page (large)			
NS5xx (except -E)	Install Wlan antenna	Establish	1	IE-2470 Part 1		2021/7/14	8	3-1/16	18	2-1/31

BOM

NO.	Description A	Parts Number	Q'TY 1 1	Torque	Remark
Wlan-1 antenna B Wlan-2		6-23-7NS50-010			
antenna		6-23-7NS50-020			

quality points/notes: 1. Wear an electrostatic bracelet during work

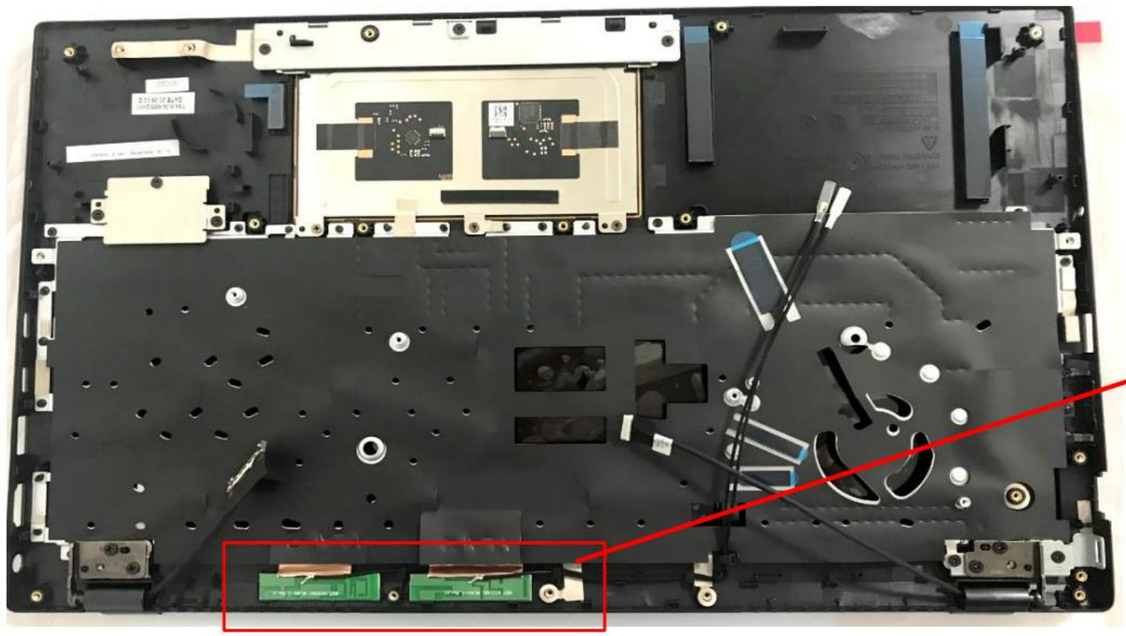
Tools/Supplies:

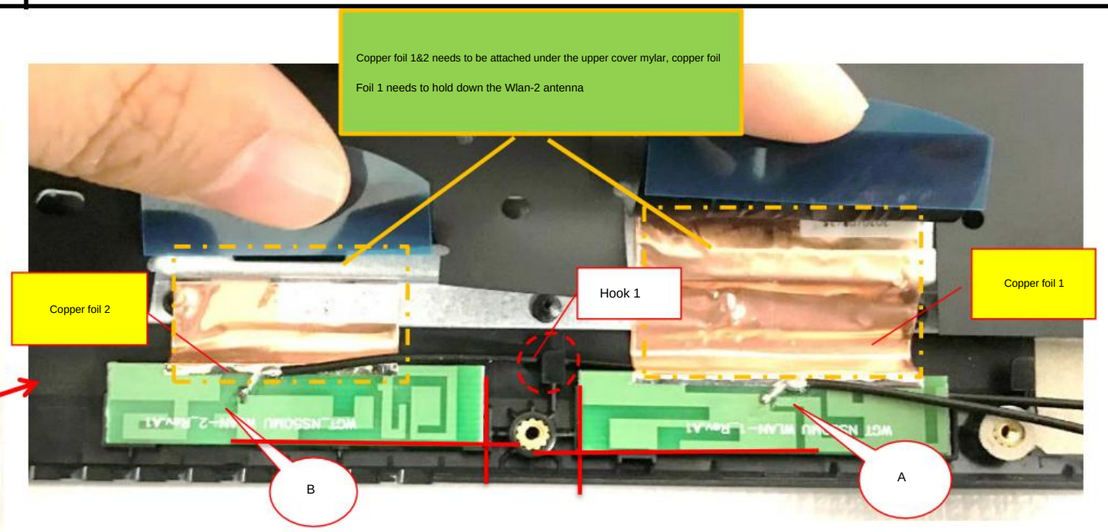
1. Static electricity bracelet

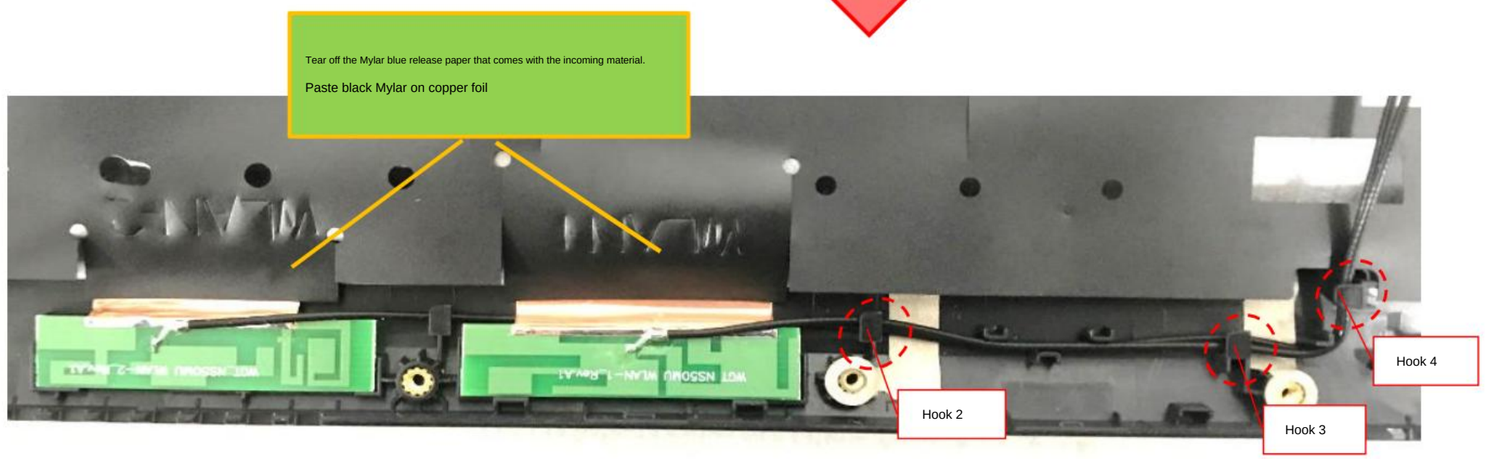
2. Cable management stick

This site has 2 pages in total, this is page 1

Hold do explain bright







1. Tear off the adhesive on the Wlan-2 antenna (B) body and install it on the upper cover as shown.

2 Peel off the adhesive backing of copper foil 2 and stick copper foil 2 vertically on the upper cover

3 As shown in Figure 1, check Wlan-2 antenna hook 1

4. Tear off the adhesive on the Wlan-1 antenna (A) body, as shown on the upper cover.

5. Peel off the adhesive backing of copper foil 1 and stick copper foil 1 vertically on the upper cover.

Note 1. Copper foil 1&2 need to be attached under the mylar on the upper cover, and copper foil 1 needs to press the Wlan-2 antenna

2. Tear off the blue Mylar release paper that comes with the incoming material, and stick the black Mylar on the copper foil.

6 As shown in the figure, the WLAN-1&Wlan-2 antenna passes through hook 2-hook 3-hook 4

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The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code file number version production date					Site (small) Page (small) Site (large) Page (large)			
NS5xx (except -E)	Install Wlan antenna	Establish	1	IE-2470 Part 1		2021/7/14	8	3-2/16	18	2-2/31

BOM	NO.	Description A	Parts Number	Q'TY 1 1	Torque	Remark
	Wlan-1 antenna B Wlan-2		6-23-7NS5P-010			
	antenna		6-23-7NS50-020			

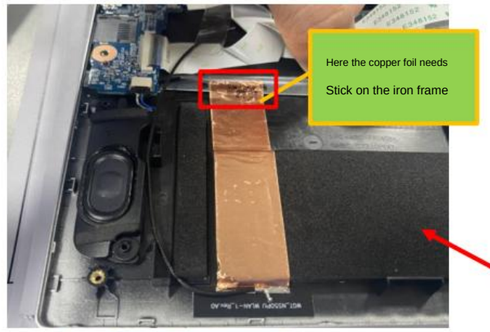
Hold points/notes: 1. Wear an electrostatic bracelet during work

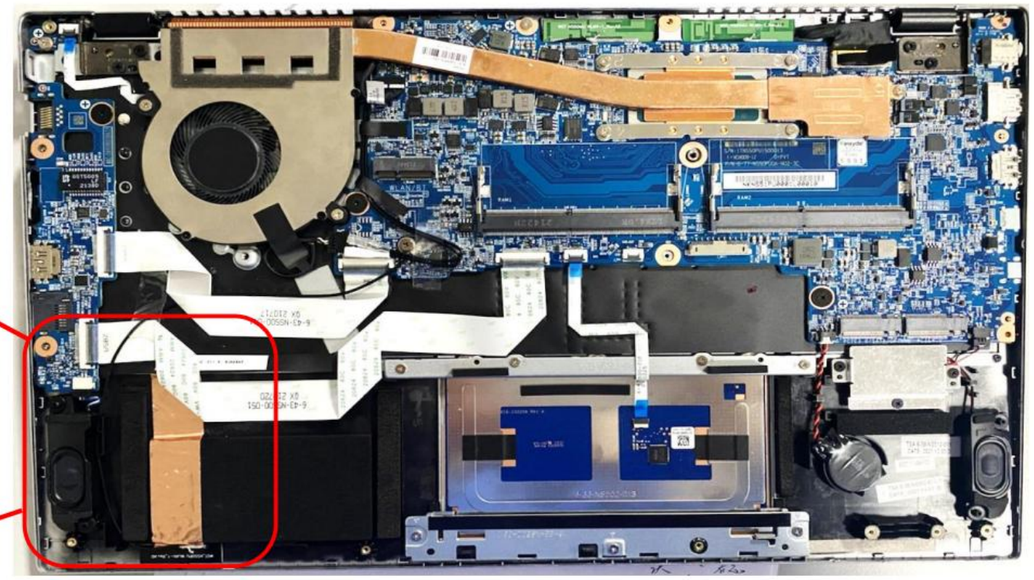
Tools/Supplies:

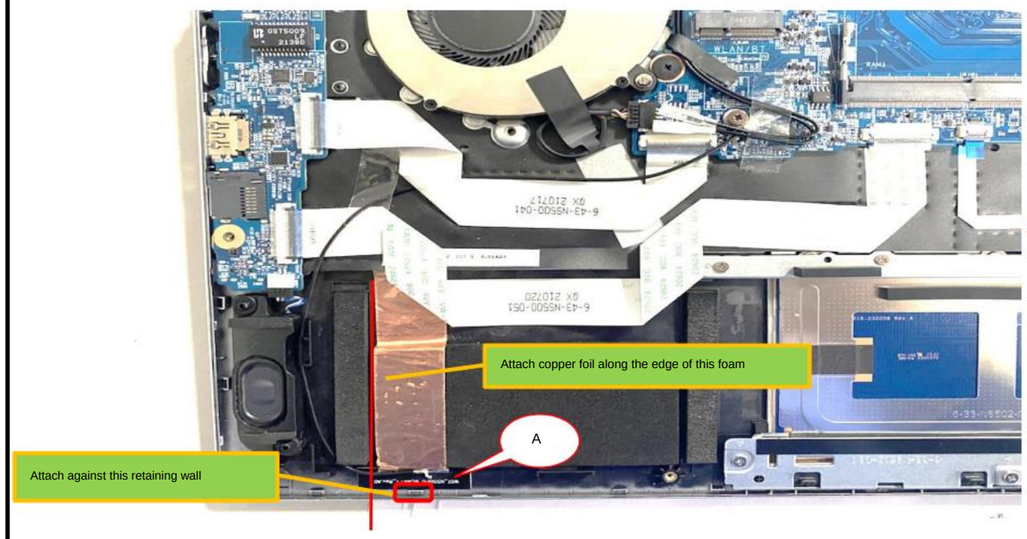
1. Static electricity bracelet

2. Cable management stick

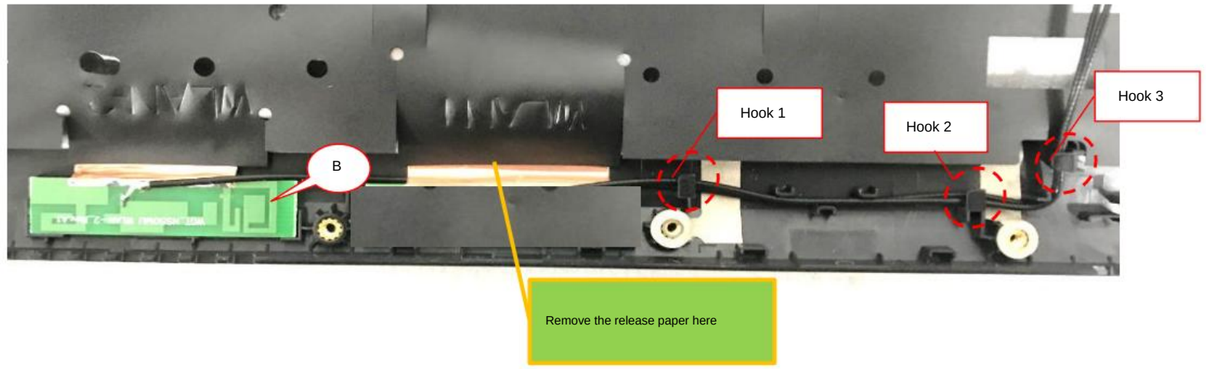
do







explain



1. Tear off the adhesive on the Wlan-2 antenna (B) body and install it on the upper cover as shown.

2 Peel off the adhesive backing of copper foil 2 and stick copper foil 2 vertically on the upper cover

3 As shown in the figure, the Wlan-2 antenna passes through hook 1-hook 2-hook 3

4. Tear off the adhesive on the Wlan-1 antenna (A) body, as shown on the upper cover.

Pay attention to tear off the Mylar blue release paper that comes with the incoming material, and stick the black Mylar on the copper foil.

5 As shown in Figure Wlan-2 antenna

bright

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Written by:Song Zhiheng

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code	file number	version	production date			Farewell (small)	Page (Small)	Site (Large)	Page (Large)
NS5xx (except -E)	Manage CCD cables	Establish	1		IE-2470 Part 1		2021/7/14	8	3-3/16	19	1-1/31

BOM

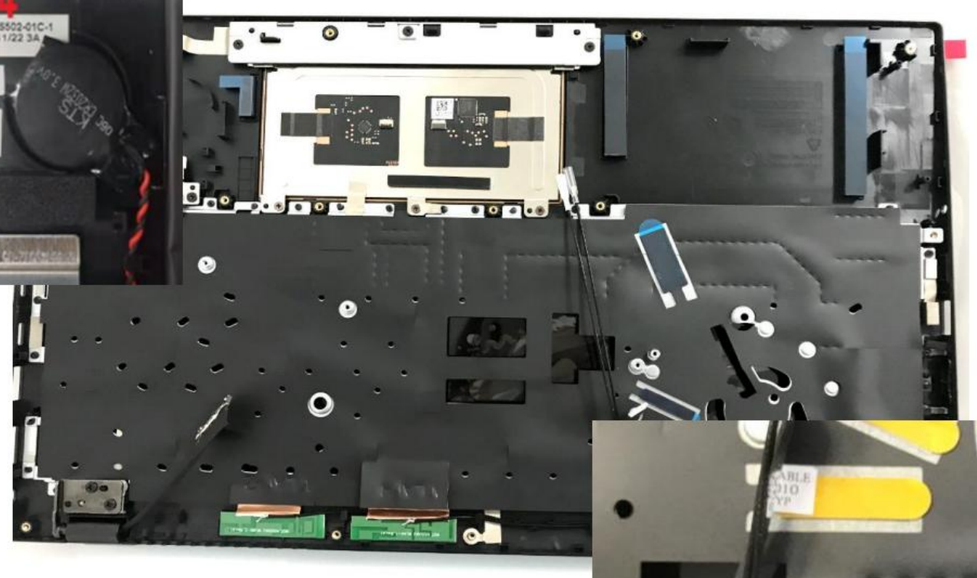
NO.	Description A	Parts Number	Q'TY 1	Torque	Remark
	Mylar B washer	6-40-W25P3-010			
		6-37-02000-601	1		BY THE WAY

quality points/notes: 1. Wear an electrostatic bracelet during work

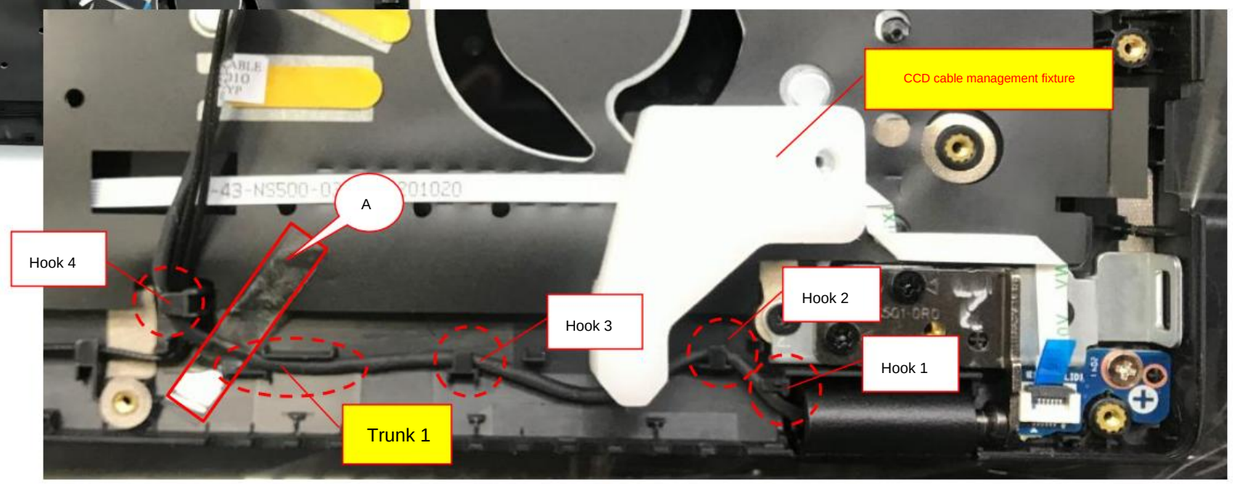
Tools/Supplies:

1. Static electricity bracelet
2. Cable management stick
3. CCD cable management fixture: NS50-QT01-1003-01

Hold do explain bright



NS5xx CCD cable management fixture



1 Use the jig to arrange the CCD cable & 3G-1 antenna through hook 1-hook 2-hook 3-cable trough 1-hook 4

2 As shown in the figure, attach Mylar (A) to fix the CCD cable

3. Attach Washer (B) to the position shown on the upper cover as shown in the picture.

Note: There is no washer attached to the lower cover 6-39-NS503-013/014.

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code	file number version	production date			Site (small) Page (small)	Site (large) Page (large)		
NS5xx (except -E)	Locking the motherboard	Establish	1	IE-2470 Part 1		2021/7/14	9	2-1/16	20	1-1/31

B O M

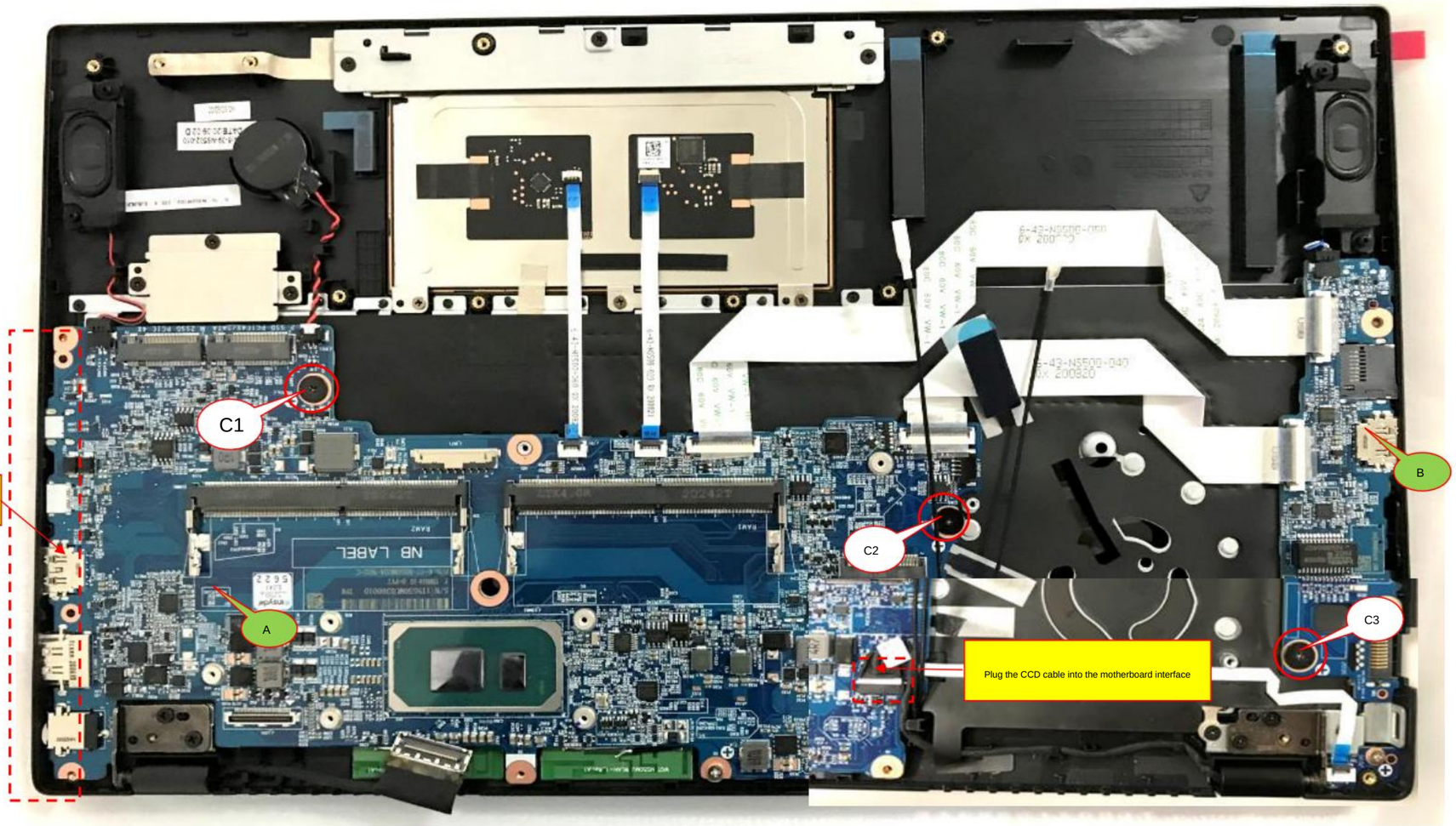
NO.	Description	Parts Number	Q'TY 1 1	Torque	Remark
A	Mainboard B1	6-77-NS5xxxx-xxx-xx			
	MULTI BOARD B2 MULTI BOARD C	6-77-NS507-D03			
	Screws	6-77-NS5A7-D01	1		
		6-35-B6120-2RE	3	2.0±0.2	

quality focus/notes: Tools/consumables:

1. Wear an electrostatic bracelet during work 1. Electrostatic bracelet
2. The hanging height of the fixture (i.e.: pallet ÿ height of the lowest point of the fixture) ÿ 38 cm 2. Electric driver, self-supplied screw machine
3. Lock the screws in order, and be careful not to slip or miss the lock.

Hold

do



explain

1 Take out the motherboard (Ax) and check the motherboard material number and version

2 Install the motherboard on the upper cover

Note: When installing the motherboard, do not press the LCD cable, CCD cable, or Wlan antenna.

3 Take out the screws (C)*2 to fix the motherboard to the upper cover

4 Take the MULTI card and install it on the upper cover as shown in the picture, and secure it with screw (C)*1

bright

5 Plug the CCD cable into the motherboard interface

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

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model		Process code	file number	version	production date			Farewell (small)	Page (Small)	Site (Large)	Page (Large)
NS5xx (except -E)	Install TOP SUPPORT BKT	Establish	1		IE-2470 Part 1		2021/7/14	9	2-2/16	21	1-1/31

BOM

NO.	Description	Parts Number	Q'TY 4	Torque	Remark
A screw		6-35-1-B1120-3RD/-1		1.5±0.2	
B	TOP SUPPORT BKTÿ	6-33-NS502-041	1		

This page is for 36W battery operations

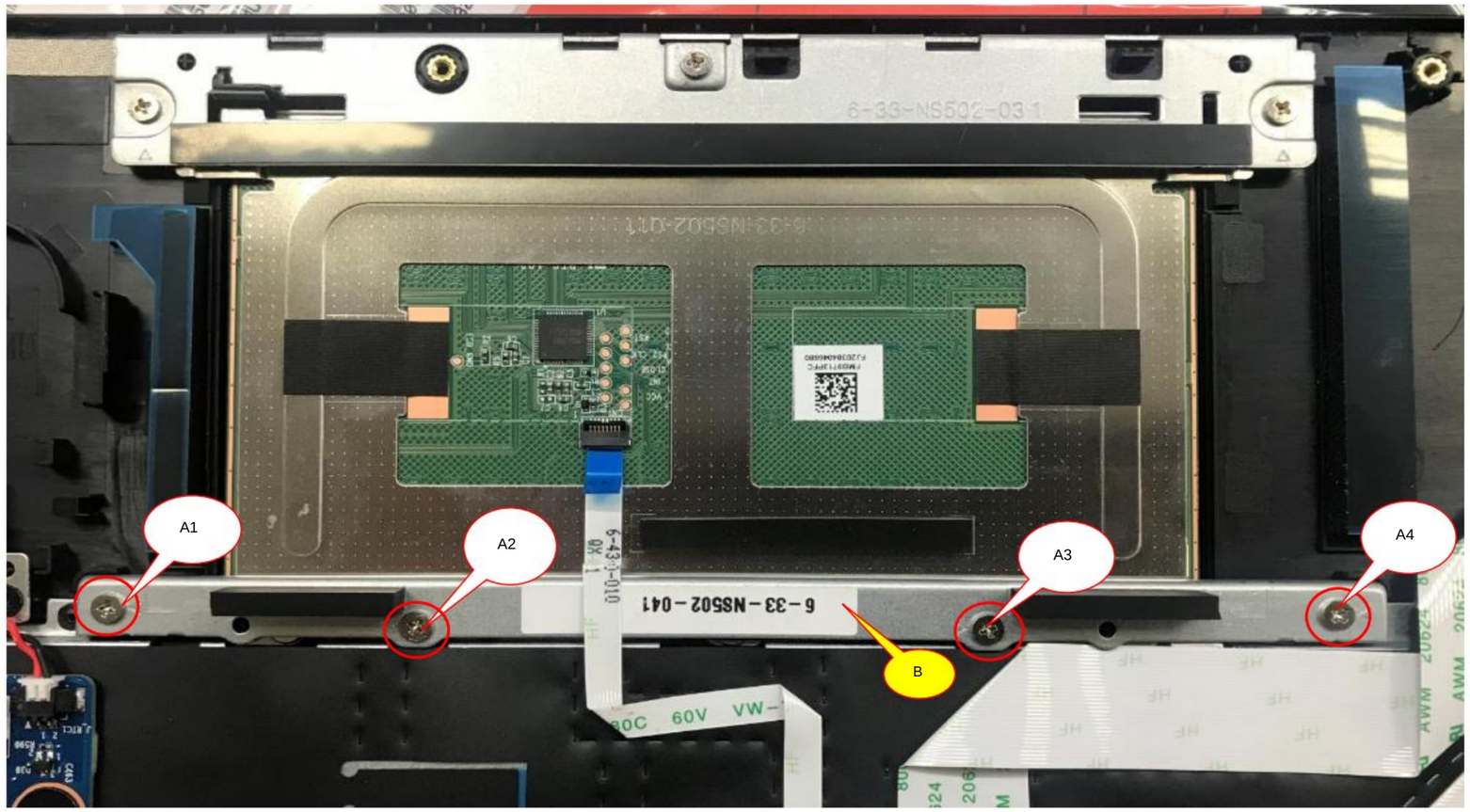
quality focus/notes: Tools/consumables:

1. Wear an electrostatic bracelet during work 1. Electrostatic bracelet
2. The hanging height of the fixture (i.e.: pallet ÿ height of the lowest point of the fixture) ÿ 38 cm 2. Electric driver, self-supplied screw machine
3. Lock the screws in order, and be careful not to slip or miss the lock.

Hold

do

explain



1 Take the iron piece (B) and install it at the position shown in the picture, and tighten the screws (A)*4 to fix it

bright

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code file number version production date					Site (small) Page (small) Site (large) Page (large)			
NS5xx (except -E)	Plug in the cable	Establish	1	IE-2470 Part 1		2021/7/14	10	2-1/16	22	1-1/31

BOM

NO.	Description A USB1	Parts Number	Q'TY 1	Torque	Remark
TO MB cable 6-43-NS500-041/-1 B USB1 TO MB cable 6-43-NS500-051/-1 C Screw					
6-35-1-B1120-4RC/-1			1		
			1	1.5±0.2	

quality points/notes: 1. Wear an electrostatic bracelet during work

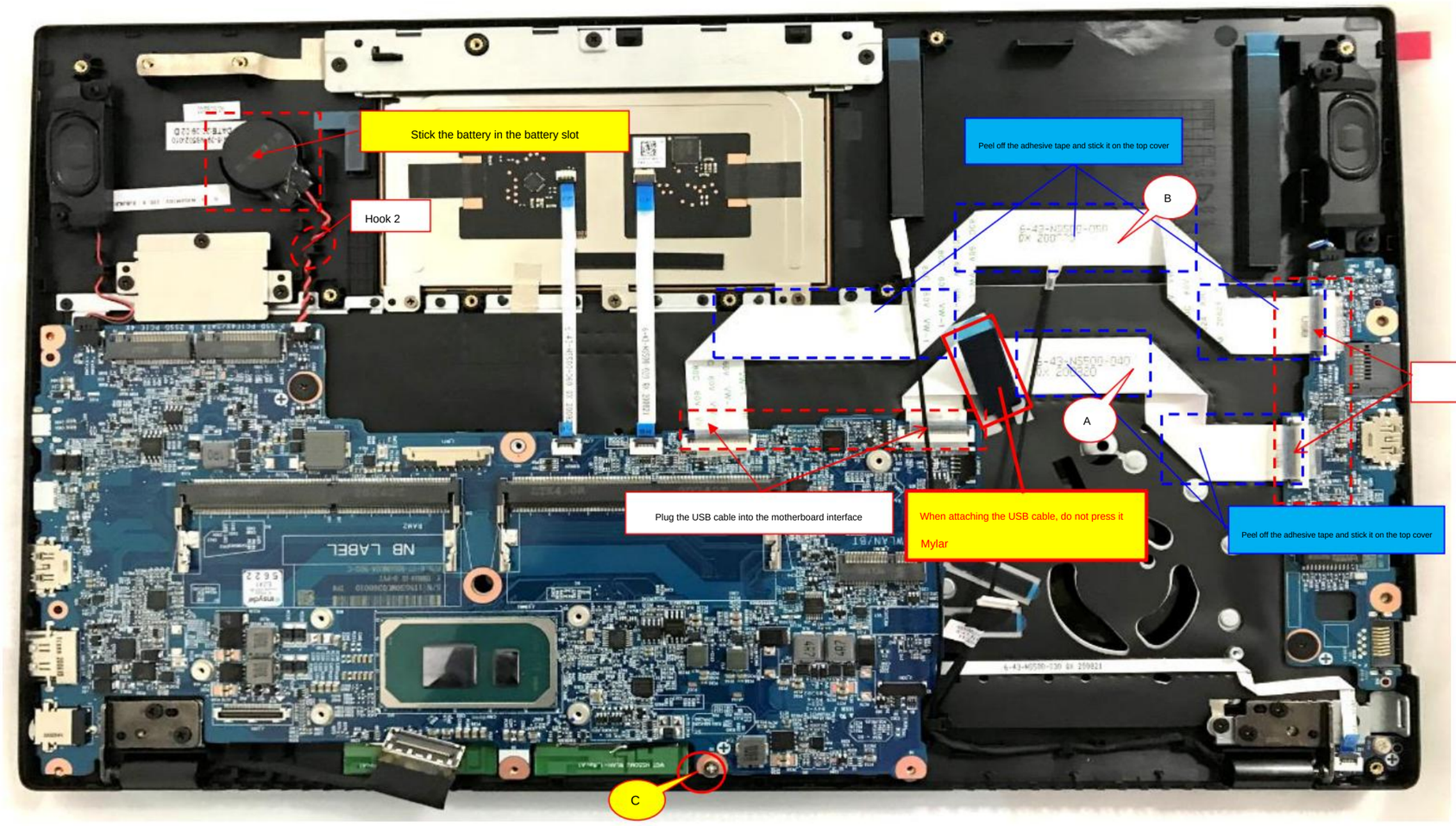
Tools/Supplies:

1. Static electricity bracelet

Hold

do

explain



1. Take the USB cable (A) & (B) and insert the USB cable into the small card interface. Tear off the mylar adhesive tape to fix the cable.

2. Tear off the adhesive on the bottom of the USB cable, stick it on the upper cover, insert the USB cable into the MB interface, and remove the mylar adhesive on the cable to secure the cable.

3. Organize the battery cable hook 2 as shown in the figure, remove the COMS battery backing tape and stick it in the battery slot.

4. Take the screw (C)*1 to fix the motherboard to the upper cover.

bright

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code file number version production date				Site (small) Page (small) Site (large) Page (large)			
NS5xx (except -E)	Plug in the cable	Establish	1	IE-2470 Part 1		2021/7/14	10	2-2/16	23	2-1/31

BOM

NO.	Description A1	Parts Number	Q'TY 1	Torque	Remark
Click cable	A2 Click cable	6-43-NS500-010/-1			
B FP cable		6-43-NS500-020/-1	1		
		6-43-NS500-060/-1	1		W/FP

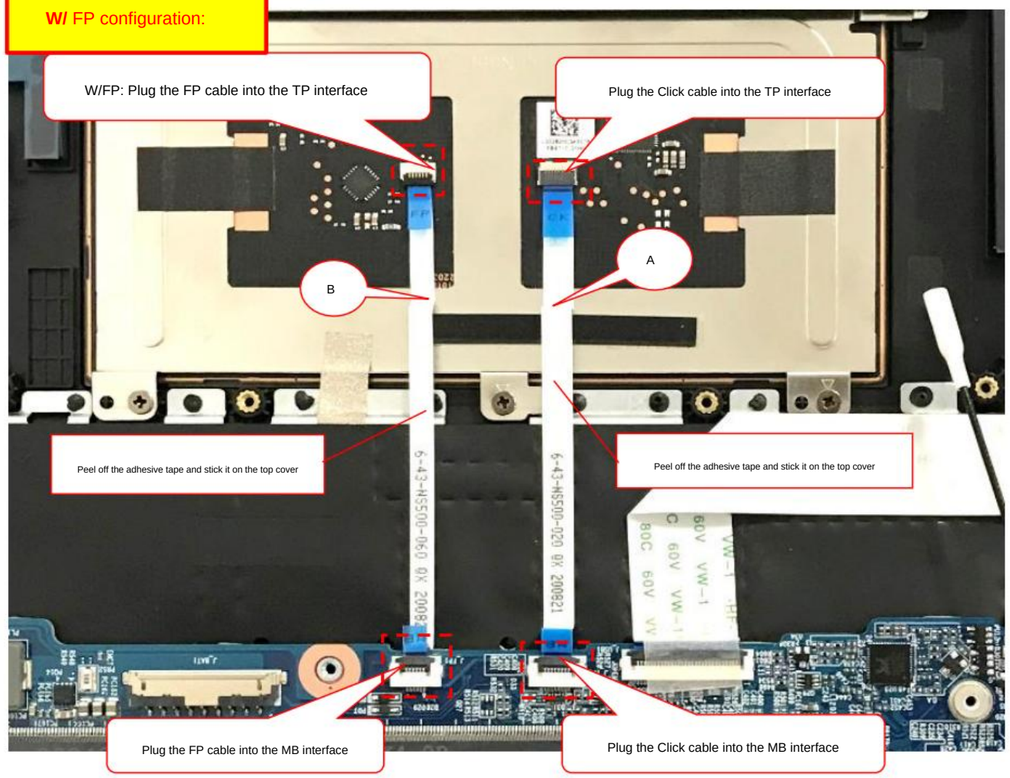
quality focus/notes: WO/FP 1. Wear an electrostatic bracelet W/FP during operation

Tools/Supplies:

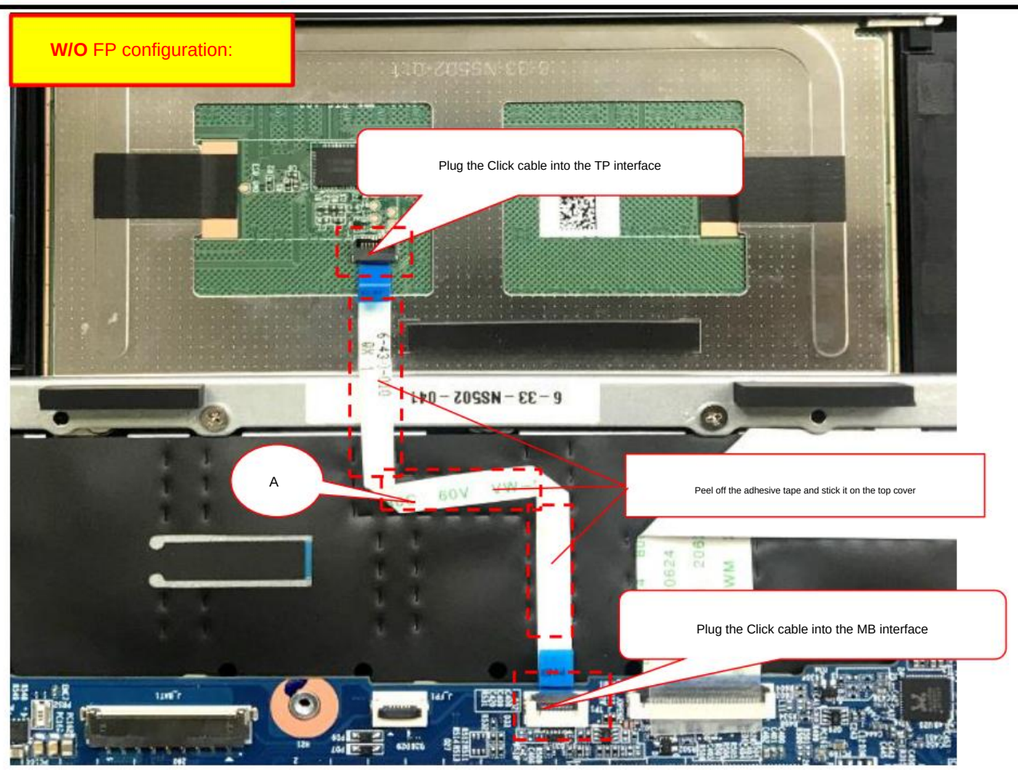
1. Static electricity bracelet

Hold do

W/ FP configuration:



W/O FP configuration:



explain

1. Open the interface baffle on the T/P, insert the Click cable (A) with the word CK on the interface, snap the baffle to fix the cable, peel off the adhesive at the bottom of the Click cable, and stick it to the upper cover

2 Plug the Click cable into the MB interface

3 W/FP---Open the interface baffle on the T/P, insert the FP cable (B) with the word FP on the interface, snap the baffle to fix the cable, peel off the adhesive on the bottom of the FP cable, and stick on top

bright

4 W/FP---Plug the FP cable into the motherboard interface

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code file number version production date					Farewell (small)	Page (Small) Site (Large) Page (Large)		
NS5xx (except -E)	ÿFAN + HEAT SINK	Establish	1	IE-2470	Reference 1	2021/7/14	11	3-1/16	23	2-2/31

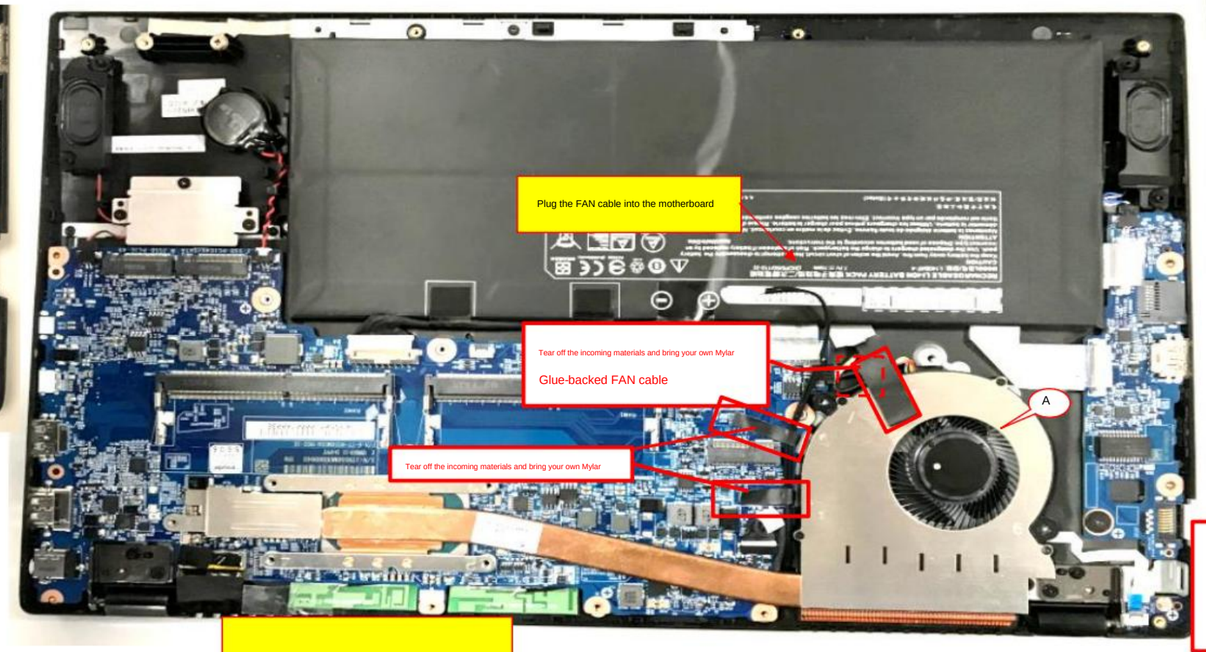
BOM

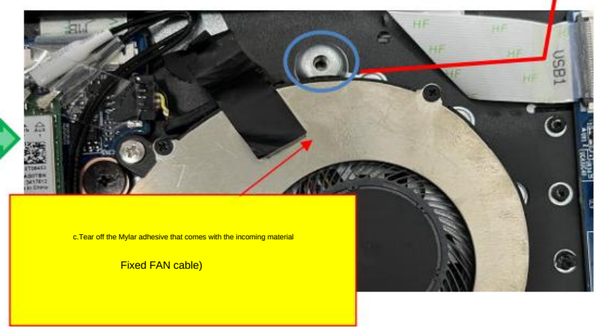
NO.	Description A1 FAN	Parts Number	Q'TY 1	Torque	Remark quality points/notes: 1. Wear an electrostatic bracelet during work
	+ HEATSINK 6-31-NS502-102/103/-1/-1A A2 FAN + HEATSINK 6-31-NS5PN-101				
			1		

Tools/Supplies:

1. Static electricity bracelet

Hold do explain bright





1 Install FAN + HEATSINK (A) on the top cover as shown in the picture

Note: When installing FAN + HEATSINK, do not press the Mylar & Wlan antenna shown in the picture.

2. Remove the Mylar adhesive that comes with the incoming material and fix the Wlan antenna as shown in the figure.

3 Insert the FAN cable into the position shown on the motherboard and arrange the cable according to the steps shown in the picture

4. Tear off the Mylar adhesive that comes with the incoming material to fix the FAN cable.

Note: The new lower cover 6-39-NS503-014 must be used with HEATSINK: 6-31-NS502-103/-1

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code	file number	version	production date			Site (small) Page (small)	Site (large) Page (large)		
NS5xx (except -E)	ÿFAN + HEATSINK	Establish	1		IE-2470 Part 1		2021/7/14	11	3-2/16	24	2-1/31

BOM

NO.	Description A	Parts Number	Q'TY 7	Torque	Remark
screw		6-35-B1120-4RC/-1		1.5±0.2	

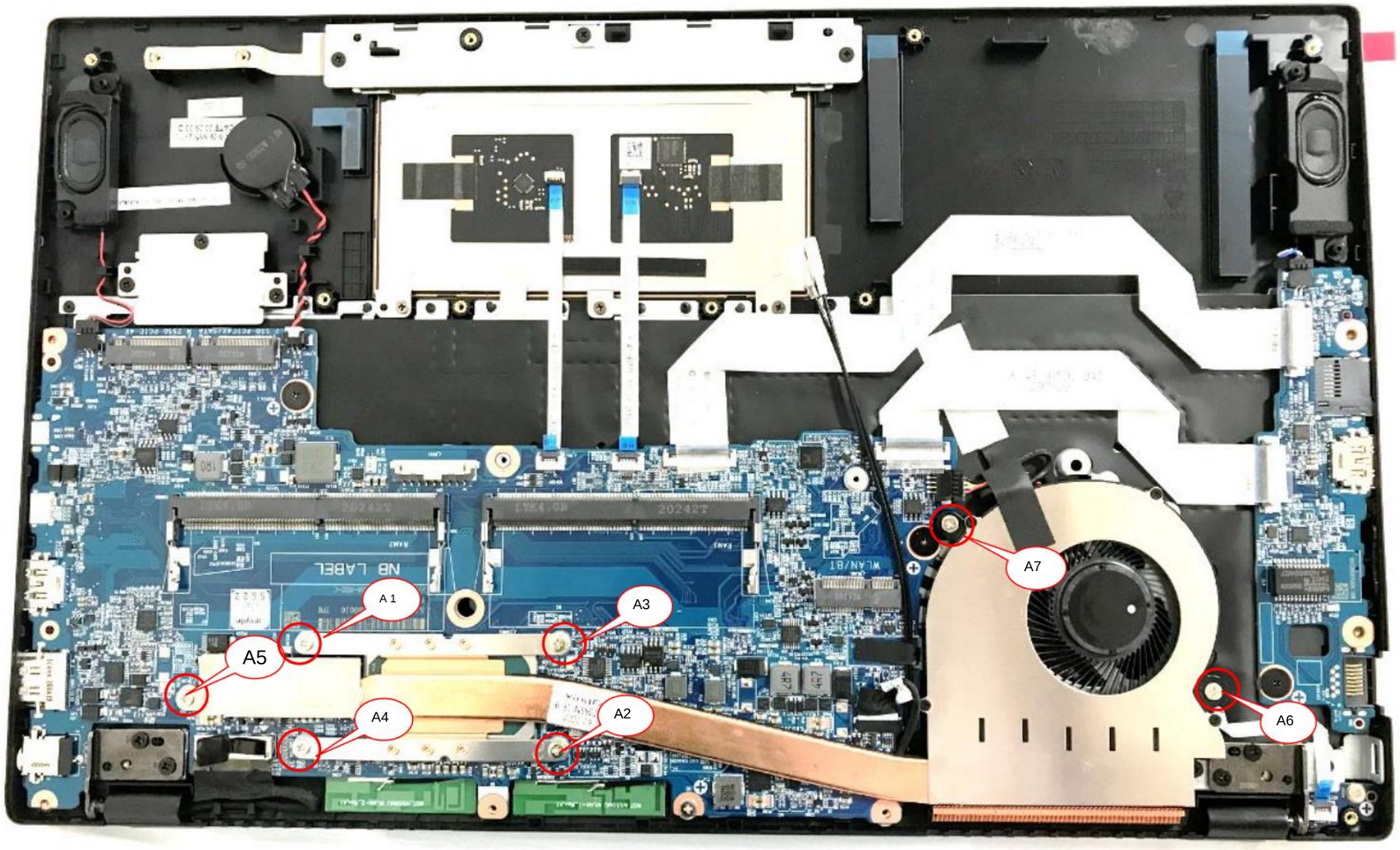
quality focus/notes: Tools/consumables:

1. Wear an electrostatic bracelet during work 1. Electrostatic bracelet
2. The hanging height of the fixture (i.e.: pallet ÿ height of the lowest point of the fixture) ÿ 38 cm 2. Electric driver, self-supplied screw machine
3. Lock the screws in order, and be careful not to slip or miss the lock.

Hold

do

explain



1 Take out the screws (A)*7 and lock the HEATSINK in order

bright

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The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code file number version production date					Site (small) Page (small)	Site (large) Page (large)		
NS5xx (except -E)	ÿFAN + HEATSINK	Establish	1	IE-2470 Part 1		2021/7/14	11	3-3/16	24	2-2/31

B O M

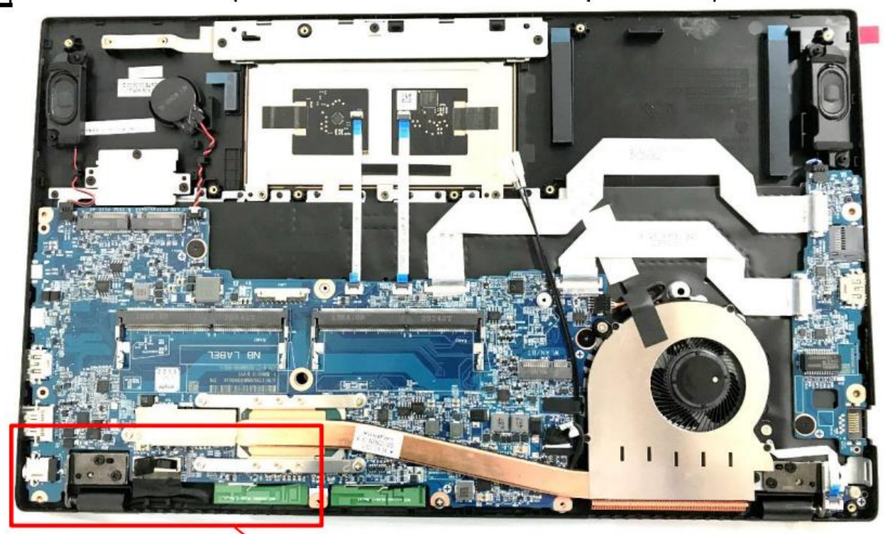
NO.	Description A	Parts Number	Q'TY 2	an	Remark quality focus/notes: **Torque** 1. Wear	Tools/Supplies:
Mylar		6-40-M55J2-030		electrostatic bracelet FOR NS5XPU/AU/-xx during operation.		1. Static electricity bracelet

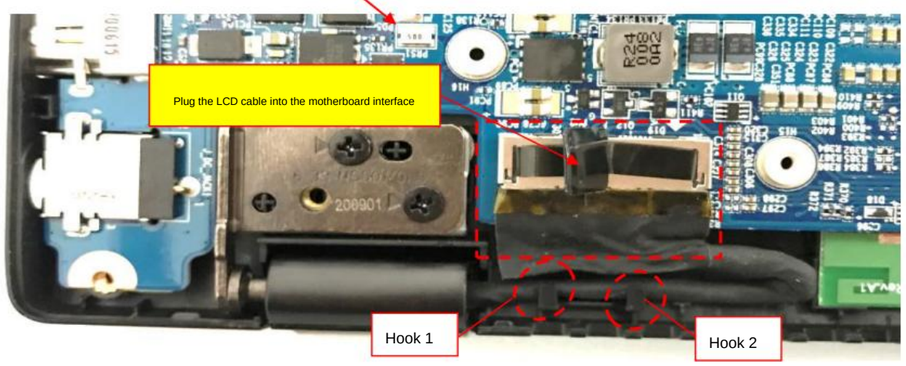
Hold

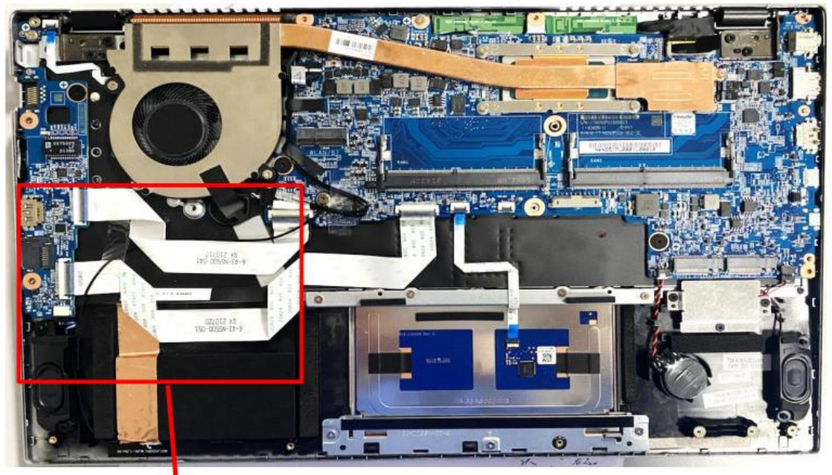
do

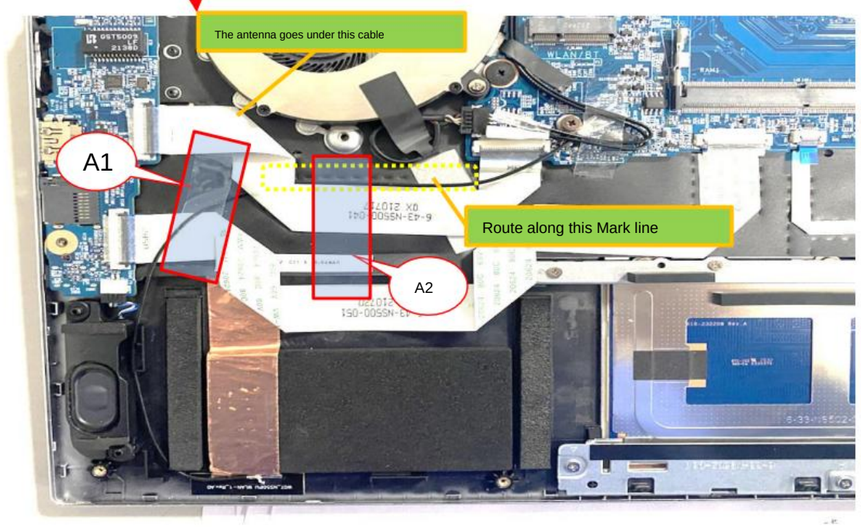
explain

bright









1. As shown in the figure, pass the LCD cable through hook 1-hook 2, and insert the LCD cable into the motherboard interface.

2 Take the WLAN-1 antenna as shown in Figure and fix it with Mylar (A)*2

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code	file number	version	production date			Farewell (small)	Page (Small)	Site (Large)	Page (Large)
NS5xx (except -E)	Install Wlan card	Establish	1		IE-2470	Reference 1	2021/7/14	12	3-1/16	25	2-1/31

BOM

NO.	Description A1	Parts Number	Q'TY 1	Torque	Remark quality focus/notes:
WLAN card		6-88/998-N15CF-4210/-W			BY S/O 1. Wear an electrostatic bracelet during work 1. Electrostatic bracelet
A2 WLAN card		6-88-NV40F-4210			BY S/O 2. Fixture hanging height (i.e.: pallet ÿ height of the lowest point of the fixture) ÿ38 cm 2. Electric driver,
A3 WLAN card		6-88/988-N24GF-4200/-HL			BY S/O 3. Lock the screws in order, be careful not to slip or miss the lock.
A4 WLAN card		6-988-NV40F/L140F-4210-HL			BY S/O
A5 WLAN card		6-88/988-X270F-4210/-HL	1 1 1 1		BY S/O
A6 WLAN card		6-88-NL5RF-7000	1		BY S/O
B screw C Mylar		6-35-Z9120-3R2	1	1.5±0.2	Standard configuration
		6-40-M55J2-030	1		

Tools/Supplies:

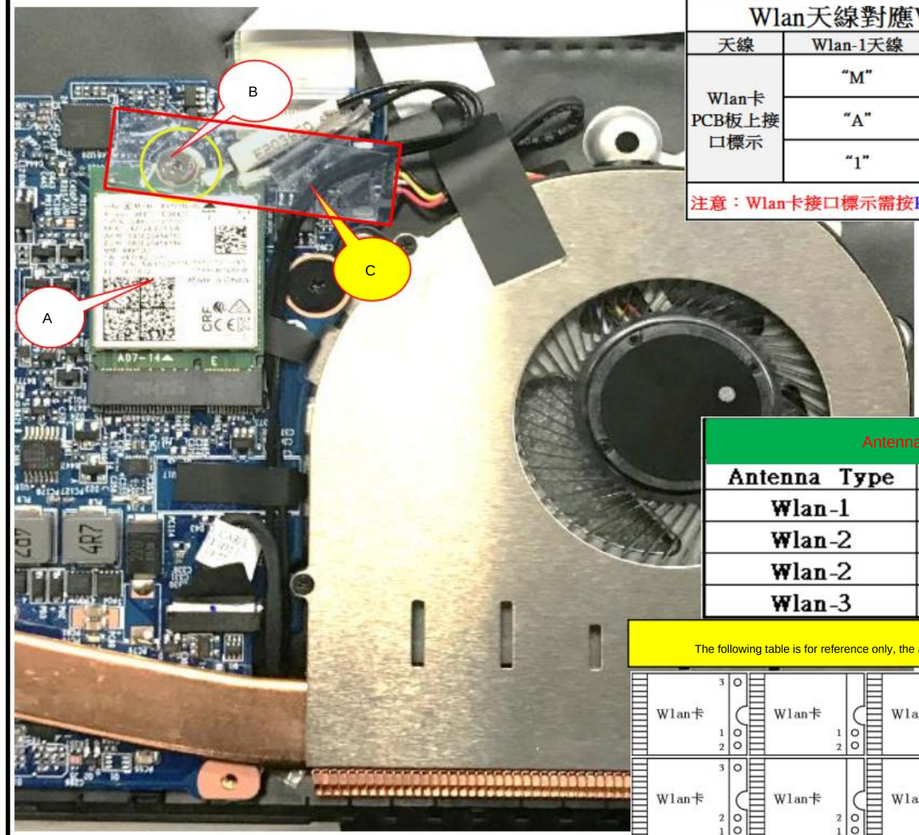
self-supplied screw machine

Hold

do

explain

bright

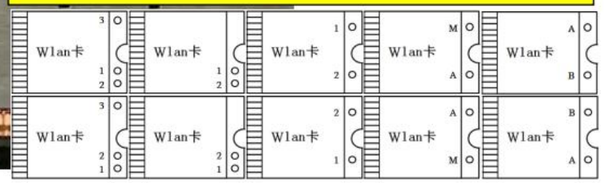


Wlan天線對應Wlan卡接口區分方式			
天線	Wlan-1天線	Wlan-2天線	Wlan-3天線
Wlan卡PCB板上接口標示	"M"	"A"	
	"A"	"B"	
	"1"	"2"	"3"

注意：Wlan卡接口標示需按PCB板上的印刷字樣為主來區分！！！

Antenna distinction method		
Antenna Type	線材顏色	套筒顏色
Wlan-1	黑色	透明
Wlan-2	灰色	透明
Wlan-2	黑色	白色
Wlan-3	白色	透明

The following table is for reference only, the actual product is based on the actual product.



The following steps 1, 2, 3, and 4 are for when the Wlan card is issued:

1 Take the WLAN card (A)

NOTE: For Customer Consign Wlan . Apply "CONSIGN" sticker

2 Install the Wlan card on the interface, take the screw (B)* and lock it on the stud

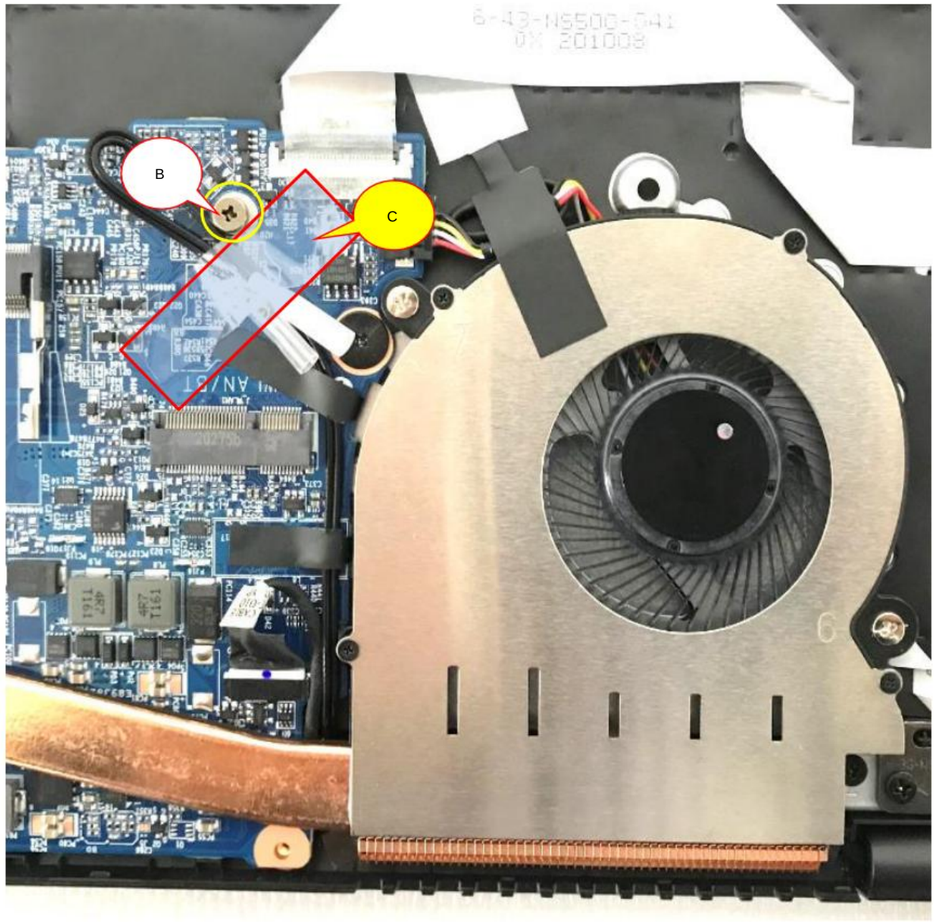
3 Insert Wlan-1&wlan-2 antennas on the wlan card. Notes: 1.

See the picture above for the wiring sequence of the Wlan card.

2. See picture 4 for the color distinction of the Wlan

antennas. Arrange the Wlan antenna as shown in the picture, and attach Mylar (C) to the Wlan antenna and Wlan on the antenna head

1



The following steps 5 and 6 are for when the Wlan card is not available:

5 Take the screw (B)* and lock it on the stud

6. As shown in the figure, stick the Wlan antenna to the position shown on the motherboard and stick Mylar (C) on it.

2

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Written by:Song Zhiheng

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code	file number	version	production date			Farewell (small)	Page (Small) Site (Large)	Page (Large)	
NS5xx (except -E)	Install Wlan card	Establish	1		IE-2470	Reference 1	2021/7/14	12	3-2/16	25	2-2/31

BOM

NO.	Description A1	Parts Number	Q'TY 1	Torque	Remark quality focus/notes:
WLAN card		6-88/998-N15CF-4210/-W			BY S/O
A2 WLAN card		6-88-NV40F-4210			BY S/O
A3 WLAN card		6-88/988-N24GF-4200/-HL			BY S/O
A4 WLAN card		6-988-NV40F/L140F-4210-HL			BY S/O
A5 WLAN card		6-88-X270F-4210	1 1 1 1		BY S/O
A6 WLAN card		6-88-NL5RF-7000	1		BY S/O
B screw C Mylar		6-35-Z9120-3R2	1	1.5±0.2	Standard configuration
		6-40-M55J2-030	1		

BY S/O 1. Wear an electrostatic bracelet during work 1. Electrostatic bracelet

BY S/O 2. Fixture hanging height (i.e.: pallet ÿ height of the lowest point of the fixture) ÿ38 cm 2. Electric driver, self-supplied screw machine

BY S/O 3. Lock the screws in order, and be careful not to slip or miss the lock.

Tools/Supplies:

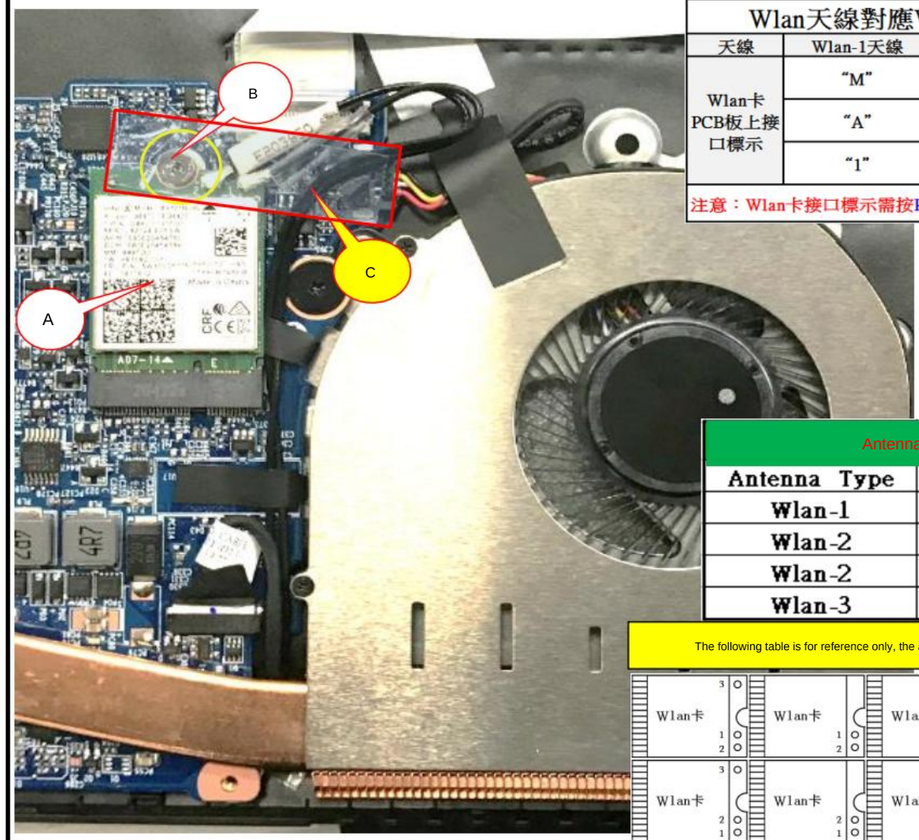
For NS50PU/AU

Hold

do

explain

bright



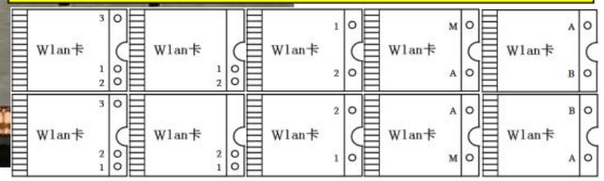
Wlan天線對應Wlan卡接口區分方式			
天線	Wlan-1天線	Wlan-2天線	Wlan-3天線
Wlan卡PCB板上接口標示	"M"	"A"	
	"A"	"B"	
	"1"	"2"	"3"

注意：Wlan卡接口標示需按PCB板上的印刷字樣為主來區分！！！

Antenna distinction method

Antenna Type	線材顏色	套筒顏色
Wlan-1	黑色	透明
Wlan-2	灰色	透明
Wlan-2	黑色	白色
Wlan-3	白色	透明

The following table is for reference only, the actual product is based on the actual product.



The following steps 1, 2, 3, and 4 are for when the Wlan card is issued:

1 Take the WLAN card (A)

NOTE: For Customer Consign Wlan Apply "CONSIGN" sticker

2 Install the Wlan card on the interface, take the screw (B)* and lock it on the stud

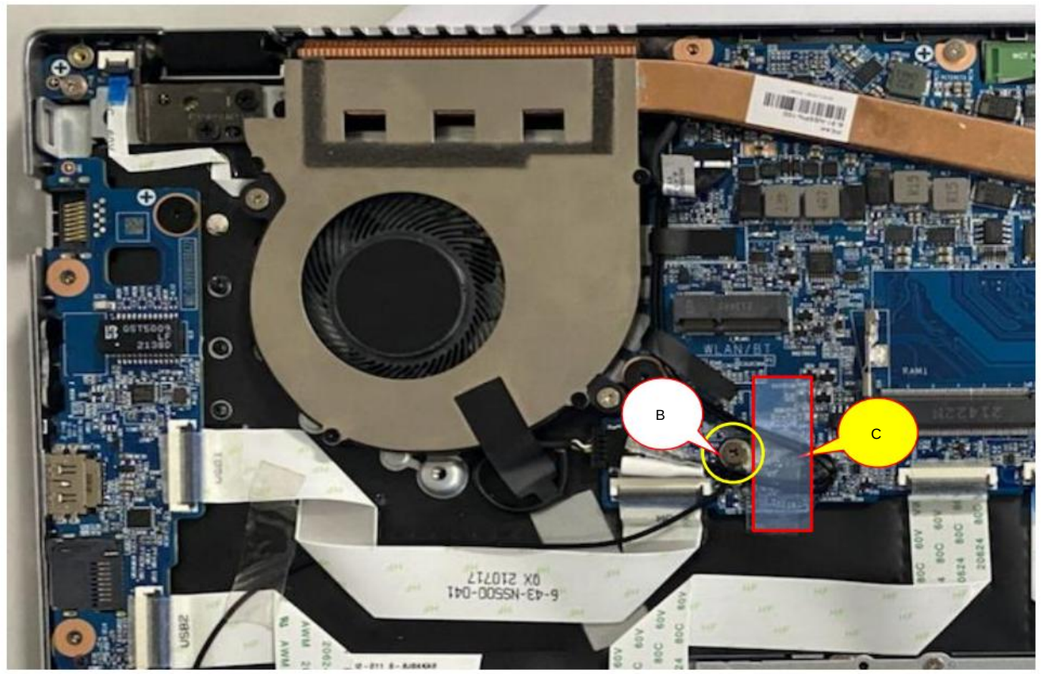
3 Insert Wlan-1&wlan-2 antennas on the wlan card. Notes: 1.

See the picture above for the wiring sequence of the Wlan card.

2. See picture 4 for the color distinction of the Wlan

antennas. Arrange the Wlan antenna as shown in the picture, and attach Mylar (C) to the Wlan antenna and Wlan on the antenna head

1



The following steps 5 and 6 are for when the Wlan card is not available:

5 Take the screw (B)* and lock it on the stud

6. As shown in the figure, stick the Wlan antenna to the position shown on the motherboard and stick Mylar (C) on it.

2

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code file number version production date					Site (small) Page (small) Site (large) Page (large)			
NS5xx (except -E)	Install SPK	Establish	1	IE-2470 Part 1		2021/7/14	12	3-3/16	26	2-1/31

BOM

NO.	Description A SPK-	Parts Number	Q'TY 1	Torque	Remark
L B SPK-R		6-23-5NS5P-0L0/5NS50-0L1			
		6-23-5N130-0R2-1/5NS5P-0R0	1		

quality points/notes: 1. Wear an electrostatic bracelet during work

Tools/Supplies:

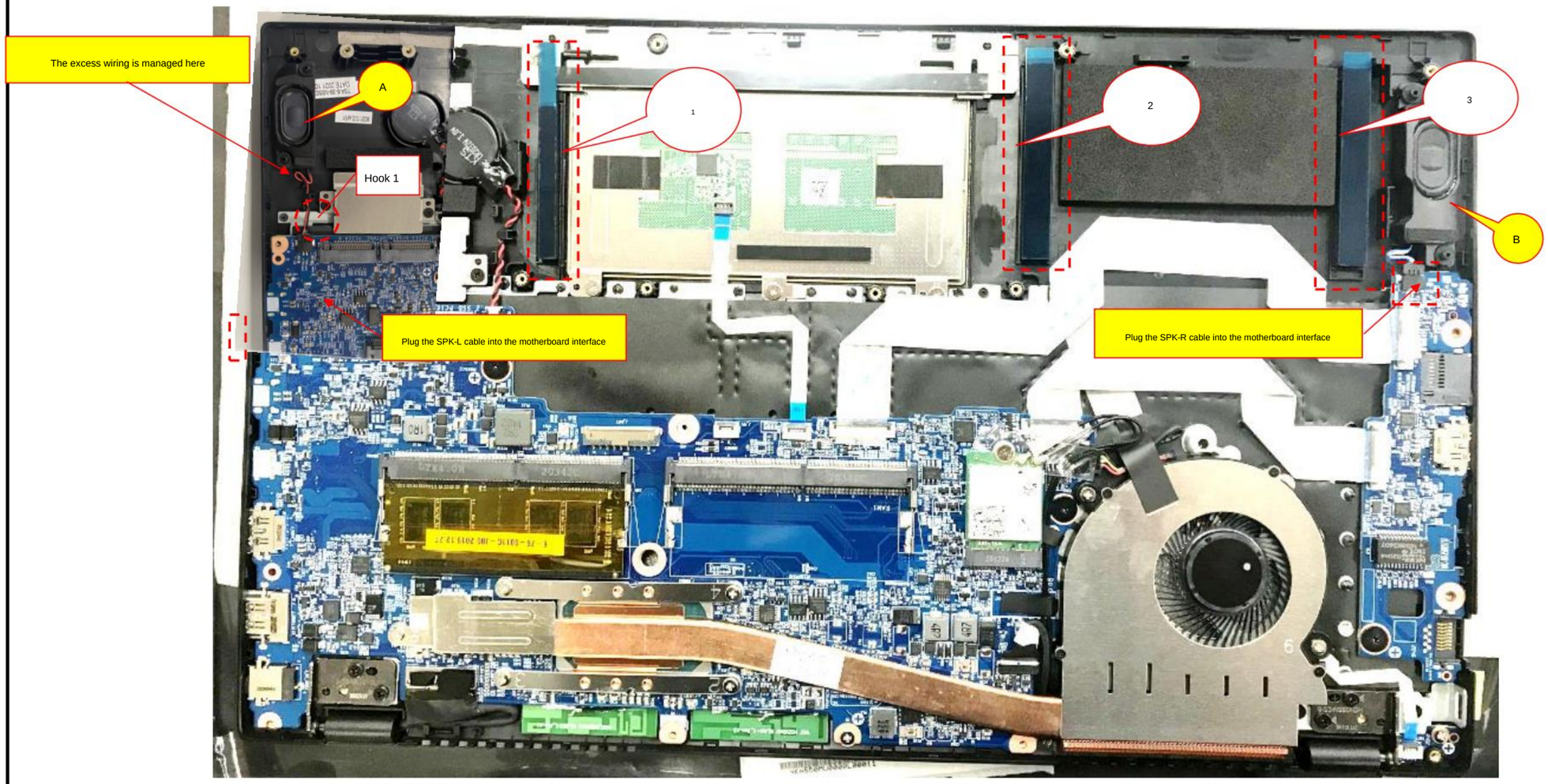
1. Static electricity bracelet

Hold

do

explain

bright



1 Take SPK-L (A) & SPK-R (B) and align them with the positioning posts and install them at the positions shown in the upper cover.

2. As shown in the figure, arrange the SPK-L cable through the hook 1, and arrange the excess cable in the position shown in the picture.

3 Plug the SPK-L & R cables into the motherboard interface

4. Remove the adhesive tape 1, 2 and 3 shown in the picture.

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code file number version production date					Site (small) Page (small) Site (large) Page (large)			
NS5xx (except -E)	Flash the motherboard	Establish	1	IE-2470 Part 1		2021/7/14	13	2-1/16	26	2-2/31

BOM

NO.	Description	Parts Number	Q'TY 1	Torque	Remark quality
A RAM		BY SO			

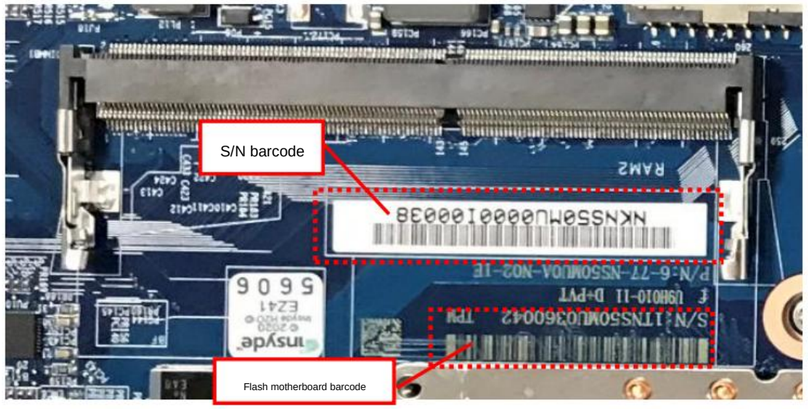
points/notes: 1. Wear an electrostatic bracelet during work

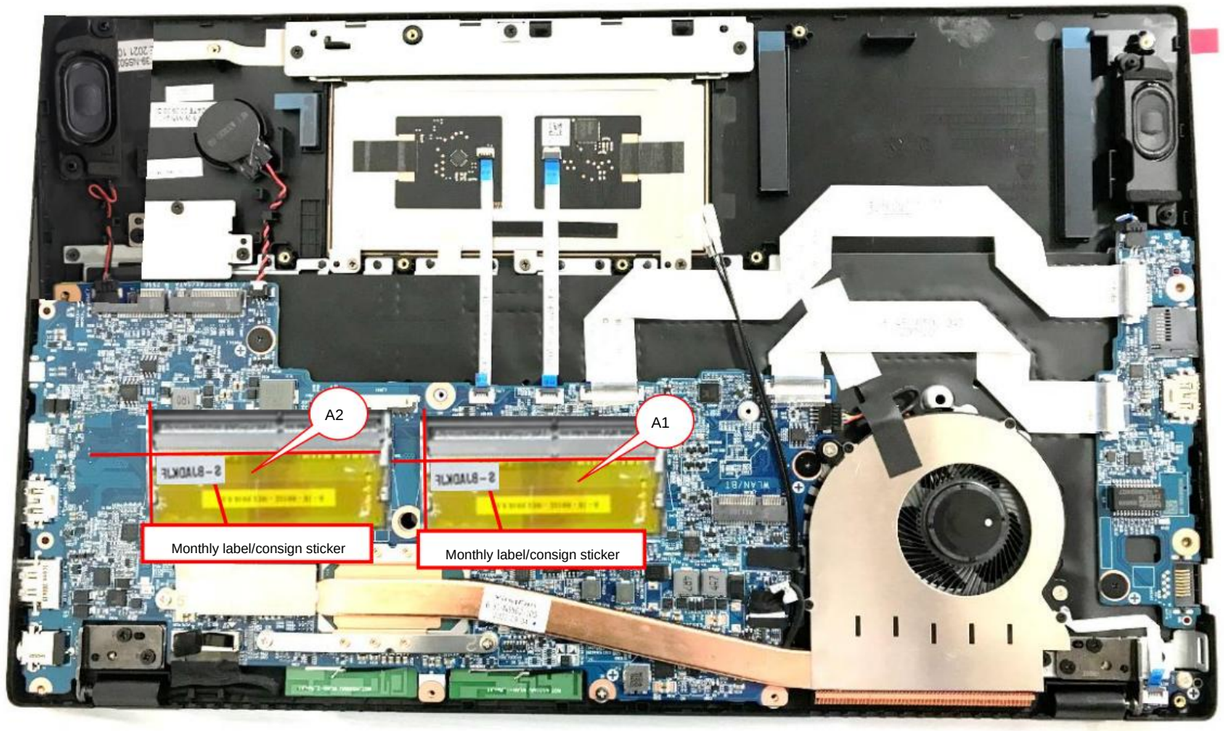
Tools/Supplies:

1. Static electricity bracelet
2. Brushing the gun
3. Computer

Hold

do





explain

1. Flash the machine & motherboard barcode into the system

2. Paste the barcode on the motherboard. The font direction of the barcode is consistent with the direction of the mainboard material number of the laser engraving strip on the motherboard.

3. Install RAM (A)----(Install the right card slot RAM1 first, then install the left card slot RAM2)

When 4 pins come out of the RAM: stick a monthly mark on the RAM ------The direction of the monthly mark is consistent with the font direction of the incoming material label

bright

5. For customers to Consign RAM, put a “Consign sticker” on the RAM to replace the monthly label.

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code	file number	version	production date			Farewell (small)	Page (Small)	Site (Large)	Page (Large)
NS5xx (except -E)	Install M.2 SSD	Establish	1		IE-2470	Reference 1	2021/7/14	13	2-2/16	27	2-1/31

BOM

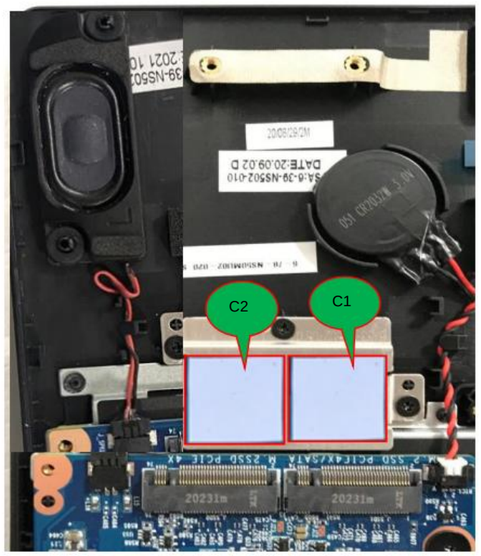
NO.	Description	Parts Number	Q'TY 1	Torque	Remark
The SSD		By S/O	or 2 1		
B SSD screw		6-35-Z9120-3R2	or 2 1	1.5±0.2	W/ SSD
C Thermal Pad		6-48-L1402-010	or 2		

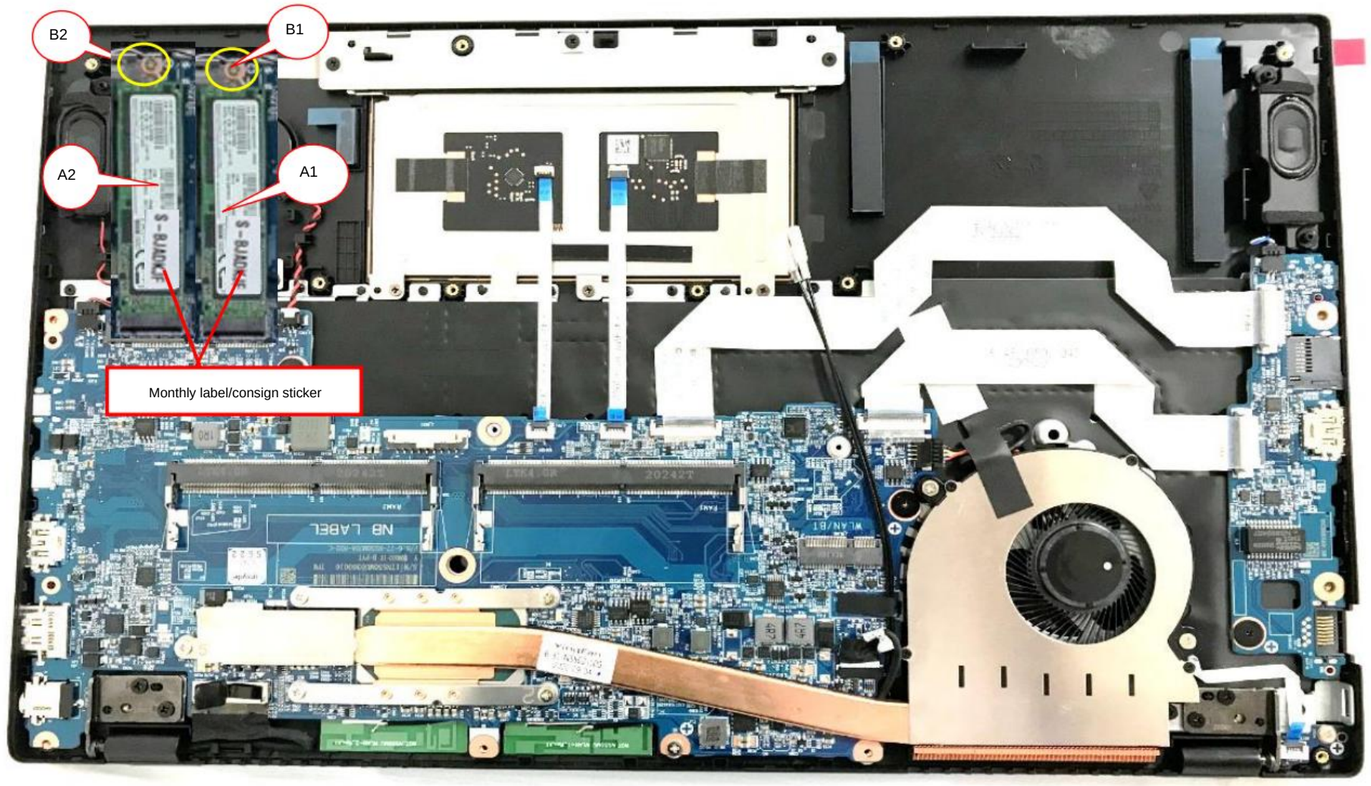
Quality Focus/Notes: Tools/Supplies:

1. Wear an electrostatic bracelet during work 1. Electrostatic bracelet
2. The hanging height of the fixture (ie: pallet ÿ height of the lowest point of the fixture) ÿ 38 cm 2. Electric driver, self-supplied screw machine
3. Lock the screws in order, and be careful not to slip or miss the lock.

Hold

do





explain

When using 1 SSD (except SATA SSD):

1 Attach THERMAL PAD (C2) to the position shown in the picture in slot 2 of the motherboard

2. Take the SSD card (A2) and put the monthly label on the SSD card. Note: For the customer's Consign SSD card, put the "Consign sticker" instead of the monthly label.

3Insert the SSD card into the card slot 2 interface and secure it with the screw (B2)

When a SATA SSD is produced: 4. Paste THERMAL PAD (C1) on the motherboard card slot 1 as shown in the figure 5. Take the SSD card (A1) and paste the monthly mark on the SSD card. Note: For customers to Consign SSD cards, paste the "Consign sticker" ", replace the monthly mark 6 , insert the SSD card into the card slot 1 interface, and take out the screw (B1) to

bright

lock it. Note : SATA SSD can get the word SATA in the BOM or first article description according to the material number.

When targeting 2 SSDs:

7 Paste THERMAL PAD (C)*2 in the white frame of the motherboard

8. Take 2 SSD cards (A) and paste the monthly label on the SSD card.

Note: For customers to Consign SSD cards, paste the "Consign sticker" to replace the monthly label.

9 Insert the SSD card into the interface and take out the screw (B)*2 to secure it. Note: For W/SSD*2, the SSD with OS installed in the GEN4*4 slot/If the highest specification of the model is GEN3*4, then Installed in GEN3*4 card slot.

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code	file number	version	production date		Site (small)	Page (small)	Site (large)	Page (large)
NS5xx (except -E)	Install battery	Establish	1		IE-2470 Part 1	2021/7/14	14	4-1/16	27	2-2/31

BOM

NO.	Description	Parts Number	Q'TY 1 3	Torque	Remark quality
A Battery	B Lala	6-87-L140S-32B02/32B03			
glue		6-47-0019L-010			work

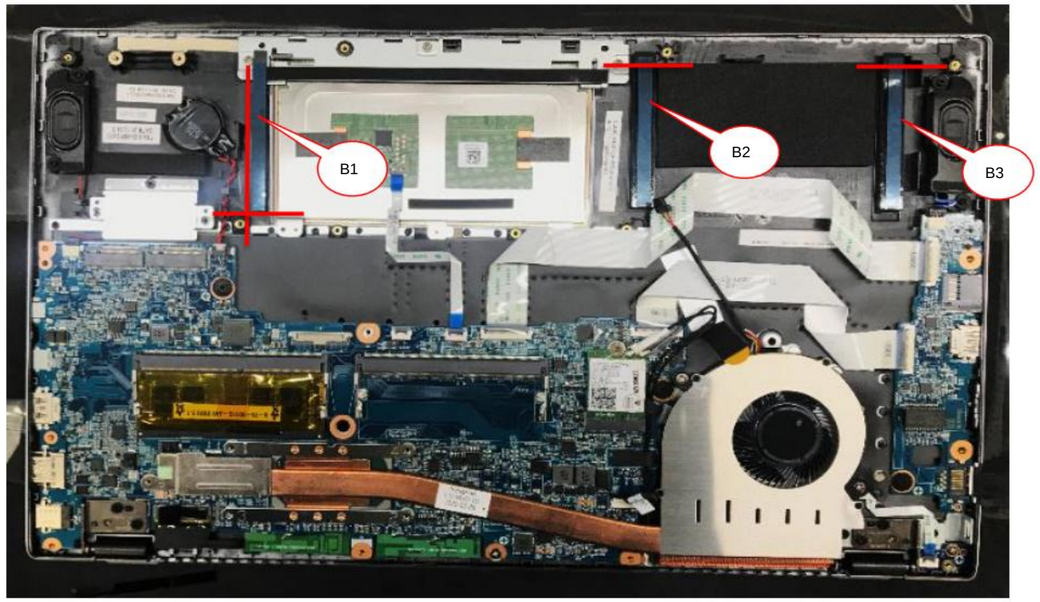
This page is for 36W battery operations

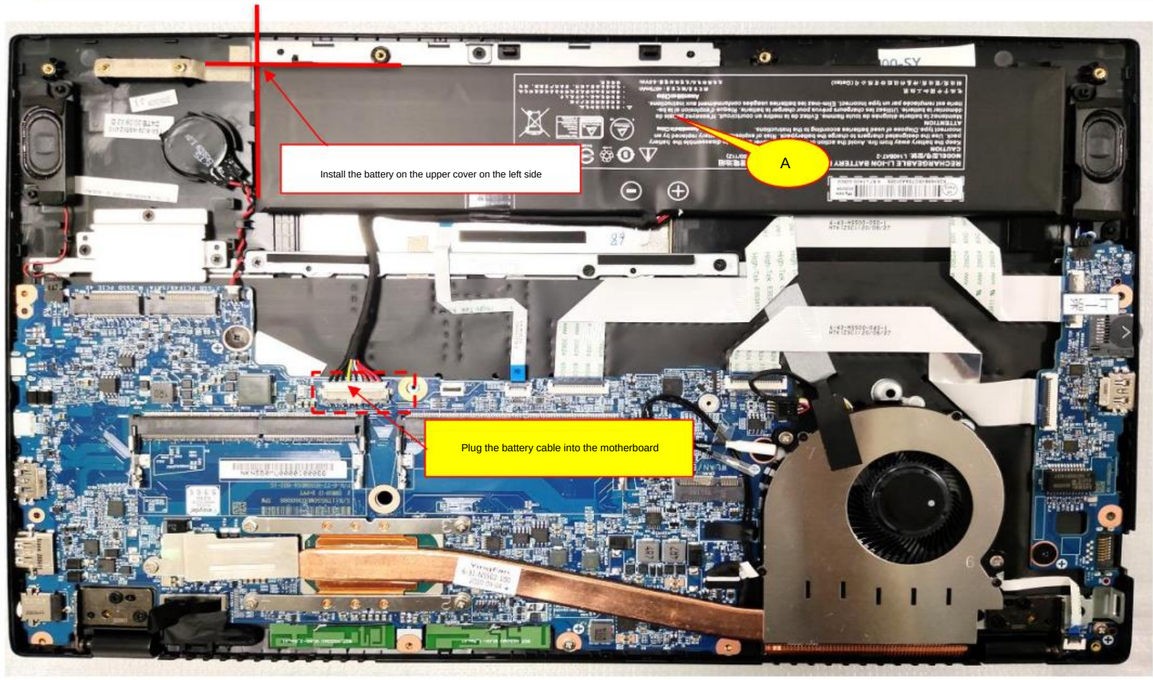
focus/notes: 1. Wear an electrostatic bracelet BY MO during

Tools/Supplies:

1. Static electricity bracelet

Hold do





explain

1. As shown in the picture, apply the pull-up adhesive (B)*3 to the upper cover and remove the backing adhesive (for new upper covers: 6-39-NS502-013/-xx & 6-39-NS512-011/-xx do not need to be applied Attached)

2 Plug the battery cable into the motherboard interface

3 Install the battery (A) on the top cover as shown in the picture

bright

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code file number version production date					Site (small) Page (small) Site (large) Page (large)			
NS5xx (except -E)	Install battery	Establish	1	IE-2470 Part 1		2021/7/14	14	4-2/16	28	2-1/31

BOM

NO.	Description	Parts Number	Q'TY 1 3	Torque	Remark quality
A Battery	B Lala	6-87-L140S-72B01/72B02			
glue		6-47-0019L-010			operation

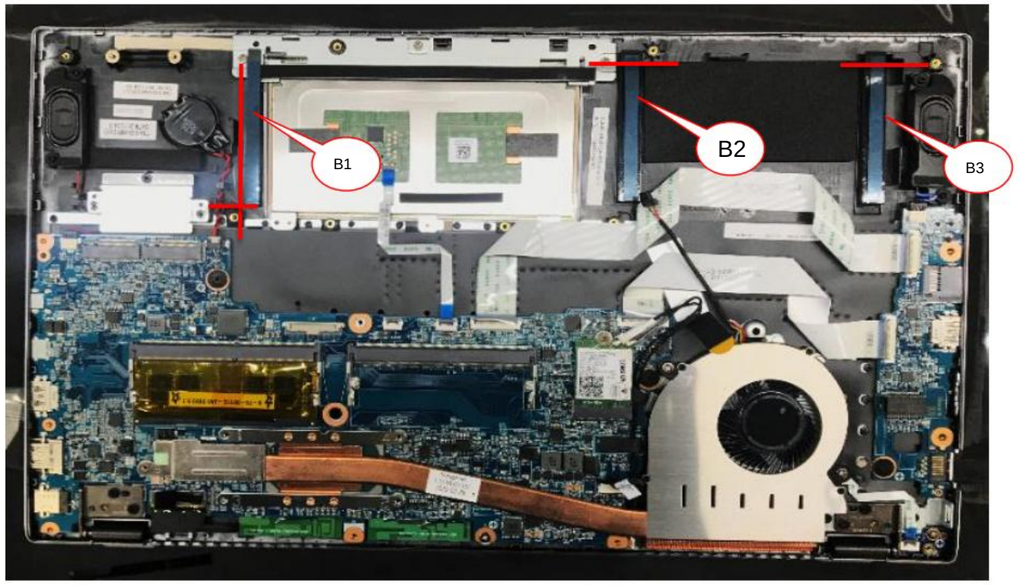
focus/notes: 1. Wear an electrostatic bracelet BY MO during

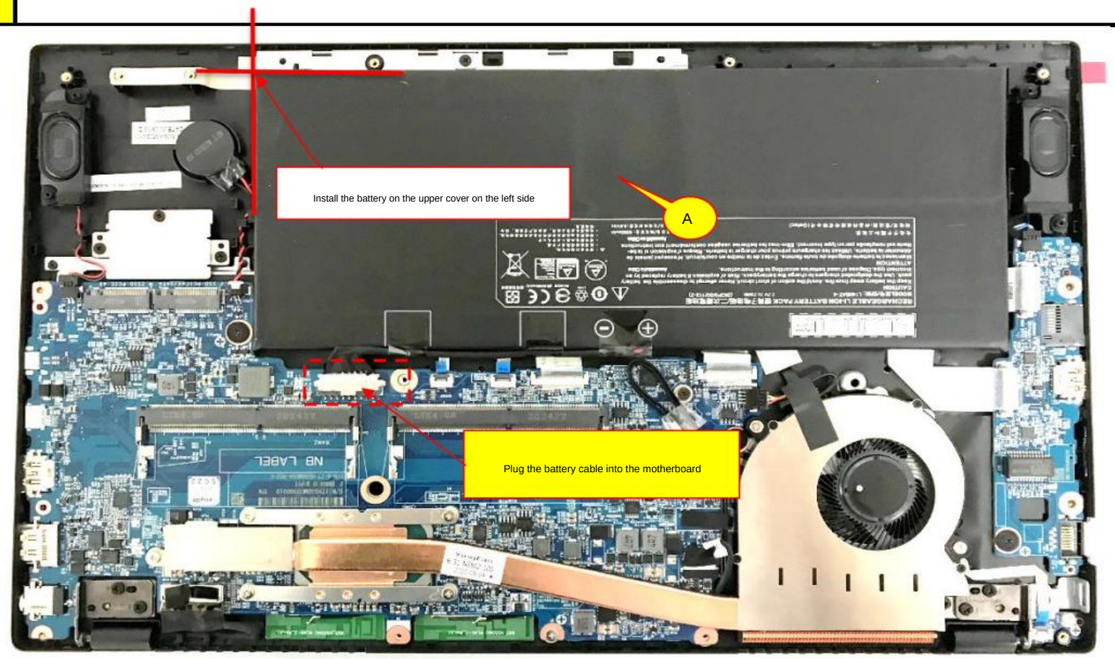
Tools/Supplies:

1. Static electricity bracelet

This page is for 73W battery operations

Hold





do

explain

1. As shown in the picture, apply the pull-up adhesive (B)*3 to the upper cover and remove the backing adhesive (for new upper covers: 6-39-NS502-013/-xx & 6-39-ns512-011/-xx do not need to be applied Attached)

2 Plug the battery cable into the motherboard interface

3 Install the battery (A) on the top cover as shown in the picture

bright

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code file number version production date					Site (small) Page (small) Site (large) Page (large)			
NS5xx (except -E)	Install battery	Establish	1	IE-2470 Part 1		2021/7/14	14	4-3/16	28	2-2/31

BOM

NO.	Description	Parts Number	Q'TY	Torque	Remark quality

focus/notes: 1. Wear an electrostatic bracelet during operation
2. Pressing time: 10s 3. Pressure: 0.3-0.4 Mpa

Tools/Supplies:
1. Static electricity bracelet
2.NS50 battery assembly jig: NS50MU-YH04-1002-01

Hold

do

explain

1 Take the machine and place it in the jig as shown in the figure, start the jig to press the battery, the pressing time is: 10s

2 After pressing is completed, take out the machine

bright

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code file number version production date					Site (small) Page (small) Site (large) Page (large)			
NS5xx (except -E)	Fixture lower case	Establish	1	IE-2470 Part 1		2021/7/14	14	4-4/16	29	2-1/31

NO.	Description A	Parts Number	Q'TY 1	Torque	Remark quality
	Jig lower cover B Jig	6-39-xxxxxx			
	lower cover screws	6-35-1-B1120-4RC-1	0.3	2.0±0.2	

focus/notes: Tools/consumables:

1. Wear an electrostatic bracelet during work 1. Electrostatic bracelet

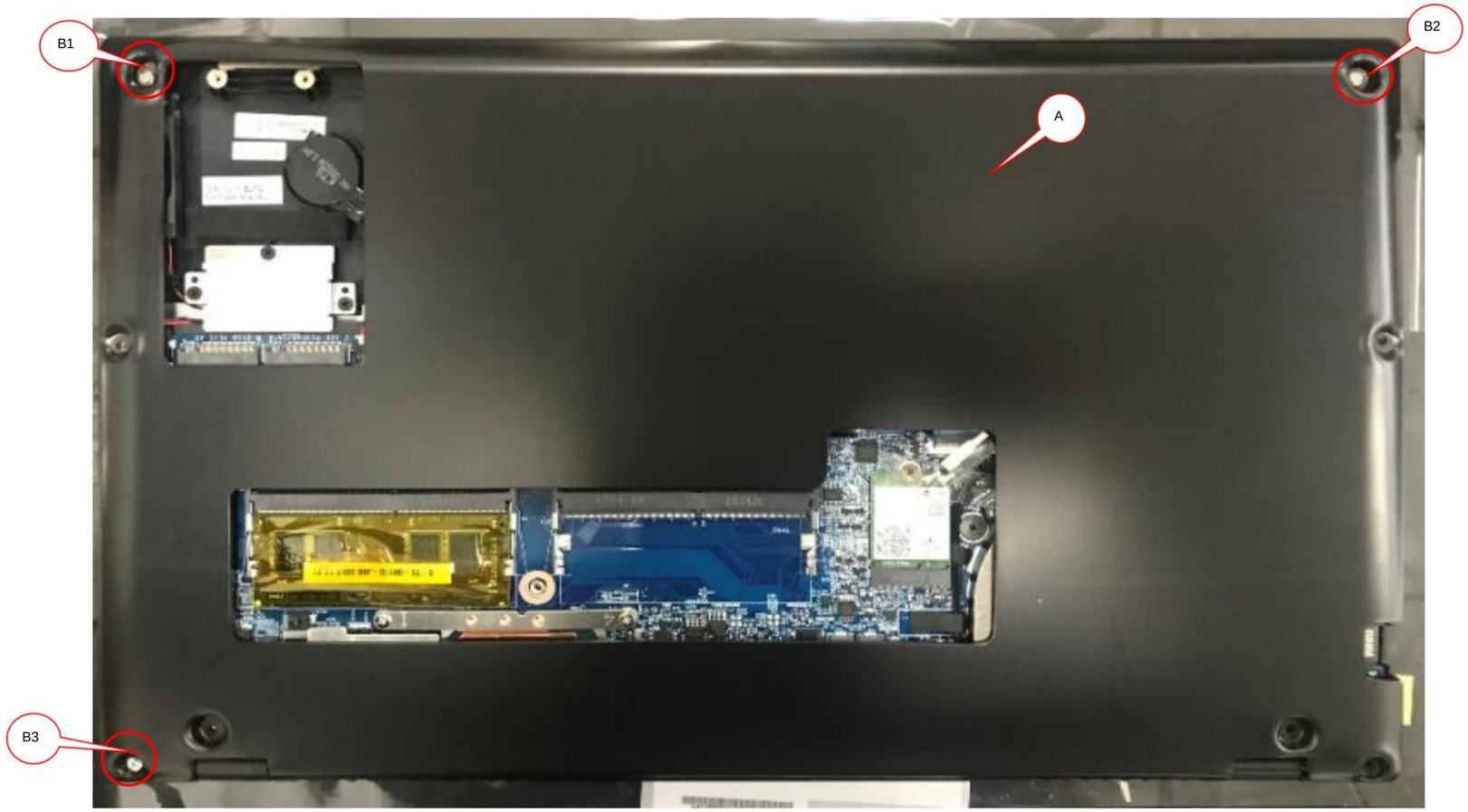
2. The hanging height of the fixture (i.e.: pallet ÿ height of the lowest point of the fixture) ÿ 38 cm 2. Electric driver, self-supplied screw machine

3. Lock the screws in order, and be careful not to slip or miss the lock.

Hold

do

explain



1 Take the lower cover (A) of the fixture and install it on the machine

2. Take a total of 3 fixture screws (B1~B3) to lock the lower cover.

bright

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process specific code		File number version production date			Farewell (small)	Page (Small) Site (Large) Page (Large)		
NS5xx (except -E)	Plug in the cable	Establish	1	IE-2470	Reference 1	2021/7/14	15	3-1/16	29	2-2/31

B O M

NO.	Description	Parts Number	Q'TY	Torque	Remark

Quality focus/precautions: 1.

Wear an electrostatic bracelet during operation

Tools/Supplies:

1. Static electricity bracelet

Hold

do

explain

1 Turn over the machine

2 Plug the LID cable into the motherboard interface

bright

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process type	Code file number	version production date			Farewell (small)	Page (Small) Site (Large) Page (Large)		
NS5xx (except -E)	K/B processing	Establish	1	IE-2470	Reference 1	2021/7/14	15	3-2/16	30	2-1/31

BOM	NO.	Description	Parts Number	Q'TY	Torque	Remark quality points/notes: for non-illuminated keyboards
	A Mylar		6-40-NS502-041	1		

1. Wear an electrostatic bracelet during work

Tools/Supplies:

1. Static electricity bracelet

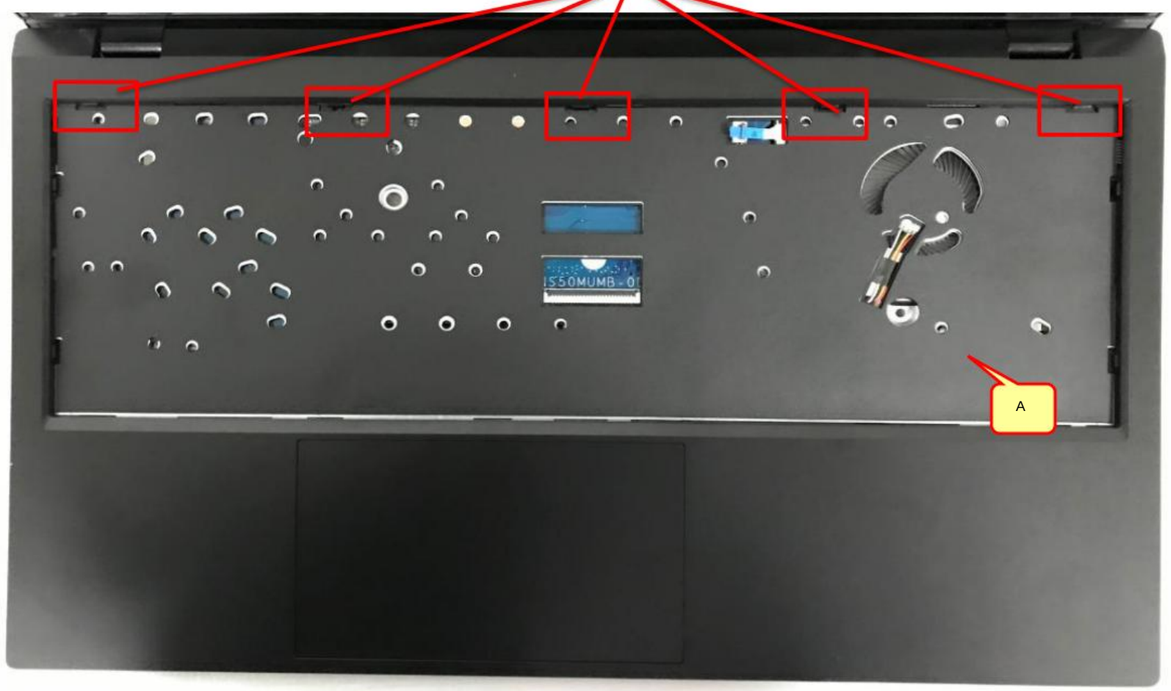
Hold

do

explain

For work when the keyboard is not illuminated

Align the 5 holes and attach MYLAR (C)



The following steps are for working with a non-illuminated keyboard

1 As shown in the picture, paste K/B Mylar(D) in the K/B frame of the upper cover

Be careful not to climb walls when attaching K/B Mylar

bright

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code	file number	version	production date			Site (small) Page (small)	Site (large) Page (large)		
NS5xx (except -E)	Install K/B	Establish	1		IE-2470 Part 1		2021/7/14	15	3-3/16	30	2-2/31

BOM

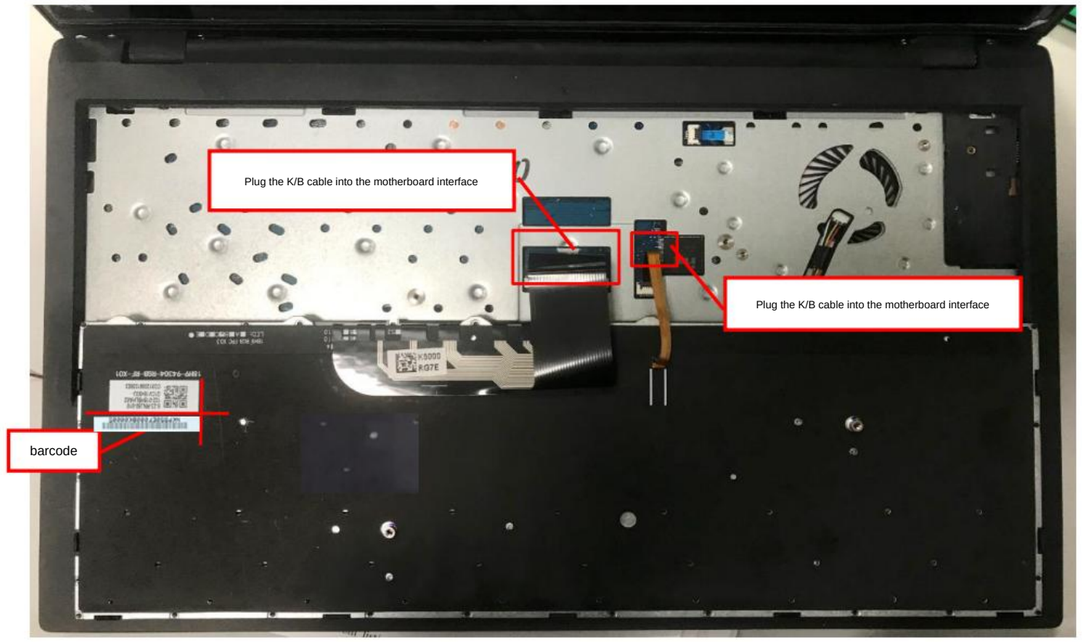
NO.	Description	Parts Number	Q'TY	Torque	Remark

quality points/notes: 1. Wear an electrostatic bracelet during work

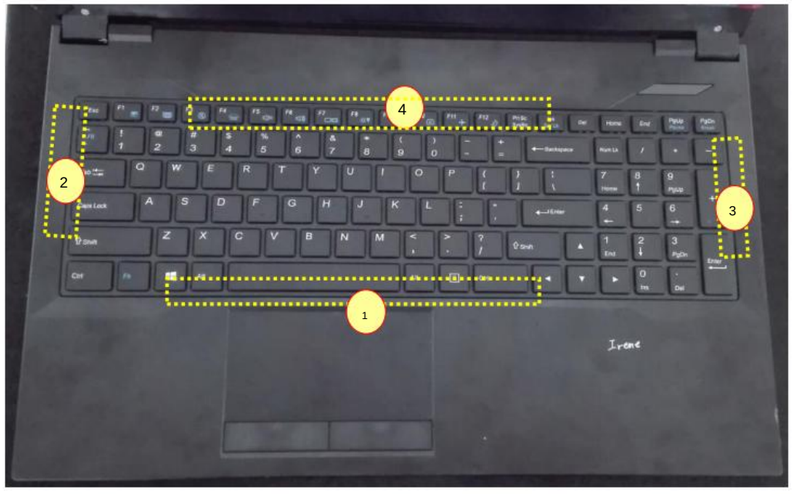
Tools/Supplies:

1. Static electricity bracelet

Hold do



explain



The following steps 1, 2, and 3 work when K/B appears

1 Take K/B and paste the barcode on K/B

Note that the direction of the barcode is consistent with the font direction of the incoming material label. The barcode cannot cover the incoming material label.

2 Plug the keyboard cable into the motherboard

Pay attention to plug in the large cable first, then the small cable——when targeting the illuminated keyboard

3. Snap the keyboard onto the upper cover and make sure the hook is fully engaged.

Note 1. First snap the bottom edge of the keyboard into the upper cover, then snap it into both sides and the top

2. Before engaging the keyboard, check that the K/B cable is not wrinkled

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The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code file number version production date					Site (small) Page (small) Site (large) Page (large)			
NS5xx (except -E)	General inspection	Establish	1	IE-2470 Part 1		2021/7/14	16	2-1/16	31	2-1/31

B O M

NO.	Description	Parts Number	Q'TY	Torque	Remark quality

points/notes: 1. Wear an electrostatic bracelet during work

Tools/Supplies:

1. Static electricity bracelet

Hold

do

explain

1. Check that the screws on the lower cover of the fixture are not leaked or scratched.

2 Check that the battery must be locked

3 Check that there is no gap in the lower part of the machine

4. Check that there are no gaps or scratches on the hinge side of the machine.

5 Check the USB interface: the inside of the USB 2.0 interface is black, and the inside of the USB 3.0 interface is blue.

bright

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KAPOK Standard Operation PROCEDURE Operation Instructions Job Name

The limited period of the SOP on this page is: 2023/7/27~~2023/10/27

model		Process code file number version production date					Site (small) Page (small) Site (large) Page (large)			
NS5xx (except -E)	General inspection	Establish	1	IE-2470 Part 1		2021/7/14	16	2-2/16	31	2-2/31

BOM

NO.	Description	Parts Number	Q'TY	Torque	Remark

quality points/notes: 1. Wear an electrostatic bracelet during operation 2. Increase the illumination value: 800~1200lm/ÿ

Tools/Supplies:

1. Static electricity bracelet
2. Thick and thin rules

Hold

do

explain

one

1. First check whether the startup screen is complete

Whether the Hinge rotation interferes with the whole operation, etc. (refer to Test 1)--You need to plug in the power cord when turning on the computer.

row activation

two

2. Secondly check the power-on button and APK

Whether the buttons are flexible, shut down, switch

The machine keys cannot be disabled and printing must be completed.

Complete, no missing prints (Reference 2)

three

3. Tear off the protective film again, and the front frame

There should be no scratches/dirty/residual glue, etc.

(Reference 3)

Four

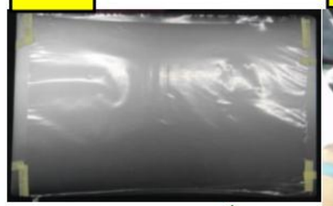
4. Check the T/P button space on the upper cover again

The gap/step difference cannot exceed the standard and must have merit

Yes, no scratches/dirty/residual glue

Wait (Reference 4)

five



5. Check again that the back cover is not scratched

/Dirty/residual glue, if printing Logo needs to be finished

Complete, no missing prints, etc. (Reference 5)

six

6. Check the front, rear and sides again.

There are scratches/dirty/residual glue, four major items

Gaps/breaks/impacts after assembly are not allowed

Exceeding the standard (Reference 6)

seven

7. Check again that there are no scratches on the left and right sides.

Damage/dirty/residual glue, after the four major parts are combined

The gap/discrepancy cannot exceed the standard (Reference 7)

eight

8. Shake the machine again and the screws cannot be heard.

Encountering noises inside the machine (Reference 8)

Nine

9. With the opening upward, stand the machine 90 degrees, thick

Thin gauge inspection, GAPÿ5mm is OK (reference

Nine)

ten

10. If K/B does not come out, check

K/B Lock is complete (Reference 10)

eleven

11.Finally check whether the process card information is correct

correct

Note: 1. To activate the power, plug in the AC and wait for 6 seconds, press the power button on the AC to turn on the phone, and pull out the AC after turning on the phone. 2: The gap between the LCD and the front cover should not exceed 0.8mm below, and no single point protrudes on both sides; 3 : For defective machines, record the defective phenomena in the process card

Test the AUTO LOCK function (see Figure 9 for details)

Note: With the opening upward, stand the machine 90 degrees and check with the thickness gauge. GAPÿ5mm is OK.

1. For new models after 1500PCS, first piece measurement

2. For new models within 1500 PCS, first make a visual inspection. If the visual inspection GAP is too large, use a thickness gauge to measure it.

bright

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