

Chapter 1. Disassembly & Assembly Guide[1-1. Work Flow](#)[1-2. Screws](#)**1-3. Disassembly & Assembly**

<Main Section >

[*MS-1-D. Disassembly](#)[*MS-1-A. Assembly](#)

<Palmrest Block>

[*P-1-D. Disassembly](#)[*P-1-A. Assembly](#)

<Mother Board Block>

[*M-1-D. Disassembly](#)[*M-1-A. Assembly](#)

<Drive Block>

[*D-1-D. Disassembly](#)[*D-1-A. Assembly](#)

<LCD Section>

[*L-1-D. Disassembly](#)[*L-1-A. Assembly](#)**1-4. [Check Work](#)**

* Note that the external view may partially vary.

Chapter 1. Disassembly & Assembly Guide

1-1. Work Flow

→ ... Removal

Main Section



Battery Pack/
Dummy Express/
Cover (Dock)/
Memory



Palmrest



Bracket (Kensington)/
Bracket (UI)
HDD/Holder (HDD)/
Optical Disc Drive/



Harness (RJ45)/
Antenna (WLAN MIMO)/
Wireless LAN Card /
Card (WLAN/WIMAX COMBO)
LCD Section



Bluetooth Module/
Holder (SSD)/
SSD/FPC-197/
ANL-96 Board/
IFX-546 Board/Card (Mini)
Plate (GND WAN)/
FPC-201/Reserve Battery/
IFX-545 Board/
Mother Board



Expresscard Connector (Frame)/
Cover (I Link)/
Others

Palmrest Block



FPC-199/Palm Mold/
Felica Module/
Button (TP FP/TP NFP)/
Cushion (ODD Big)/
Plate (VRAM)/Loudspeaker (1.6CM) /
Holder (Cushion)/Cover (ODD)/
Button (POW)/Holder (BATT)/
SWX-331 Board/SWX-330 Board/
Keyboard/
Others

Drive Block



Bezel (ODD)/
Bracket (ODD Rear)/
Bracket (ODD Front)

LCD Section



Cover (Hinge)/
Bezel/Magnet/LCD/Hinge/
Antenna (WLAN/WIMAX AUX)/
Antenna (WWAN Main / AUX)/
Camera Module/
Antenna (WLAN/WIMAX Main)/
Others

Mother Board Block



Fan/
Harness (DC Jack)/
Sheet (CPU2)/
Adhesive Parts

Chapter 1. Disassembly & Assembly Guide

1-2. Screws

⚠ [MA]

1st/2nd Model



B1



B2

B3

B4

B5

B6

B7

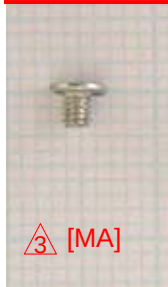
B8

B9

B10

B11

3rd Model



⚠ [MA]

B1

Chapter 1. Disassembly & Assembly Guide

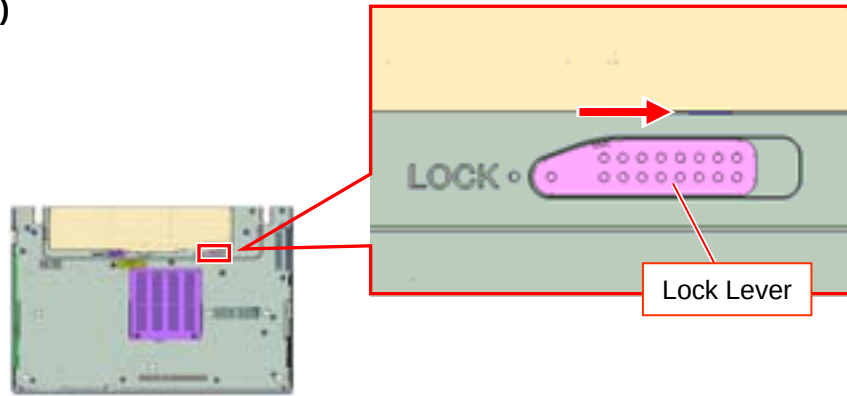
1-3. Disassembly & Assembly

- Main Section -

MS-1 Main Section Disassembly

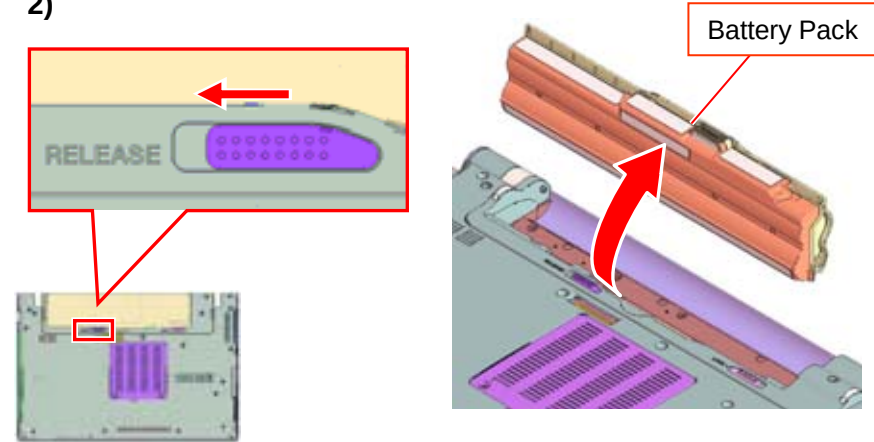
Battery Pack

1)



Slide the lock lever to the right side to release the lock.

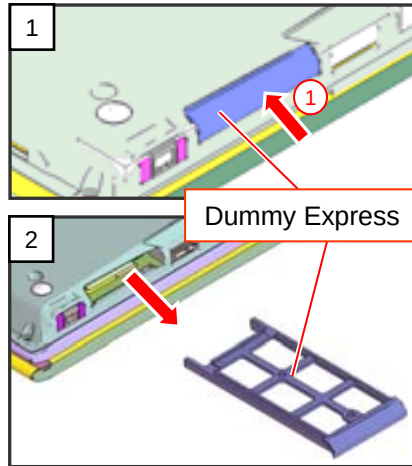
2)



With the release lever slid to the left side, remove the Battery Pack by lifting it from the front side.

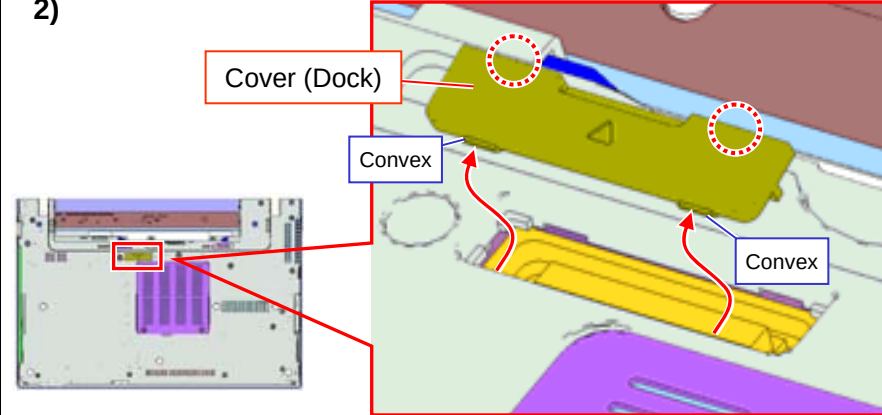
Dummy Express, Cover (Dock)

1)



Push the Dummy Express in the direction of the arrow 1, and the Dummy Express pops up. Then remove the Dummy Express.

2)

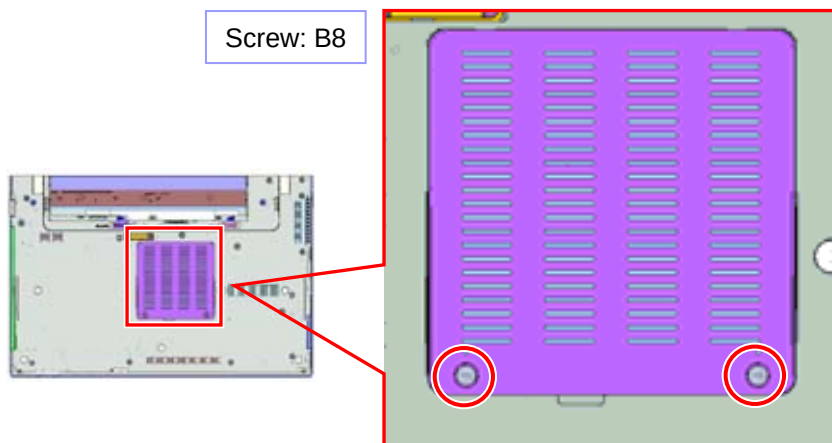


1. Raise the toward you and disengage the two detents.
2. While releasing the two convex parts in the direction of the arrow, remove the Cover.

Memory

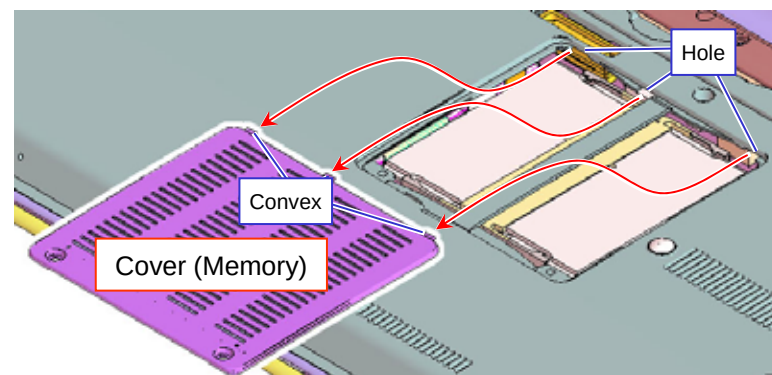
1)

Screw: B8



Remove the two screws.

2)



Release the three convex parts from the three holes and remove the Cover.

3)

Memory

Tab

Connector

Tab

Memory x 2 Model

Memory

Widen the two tabs simultaneously toward the outside to release the lock, and remove the Memory diagonally upward.

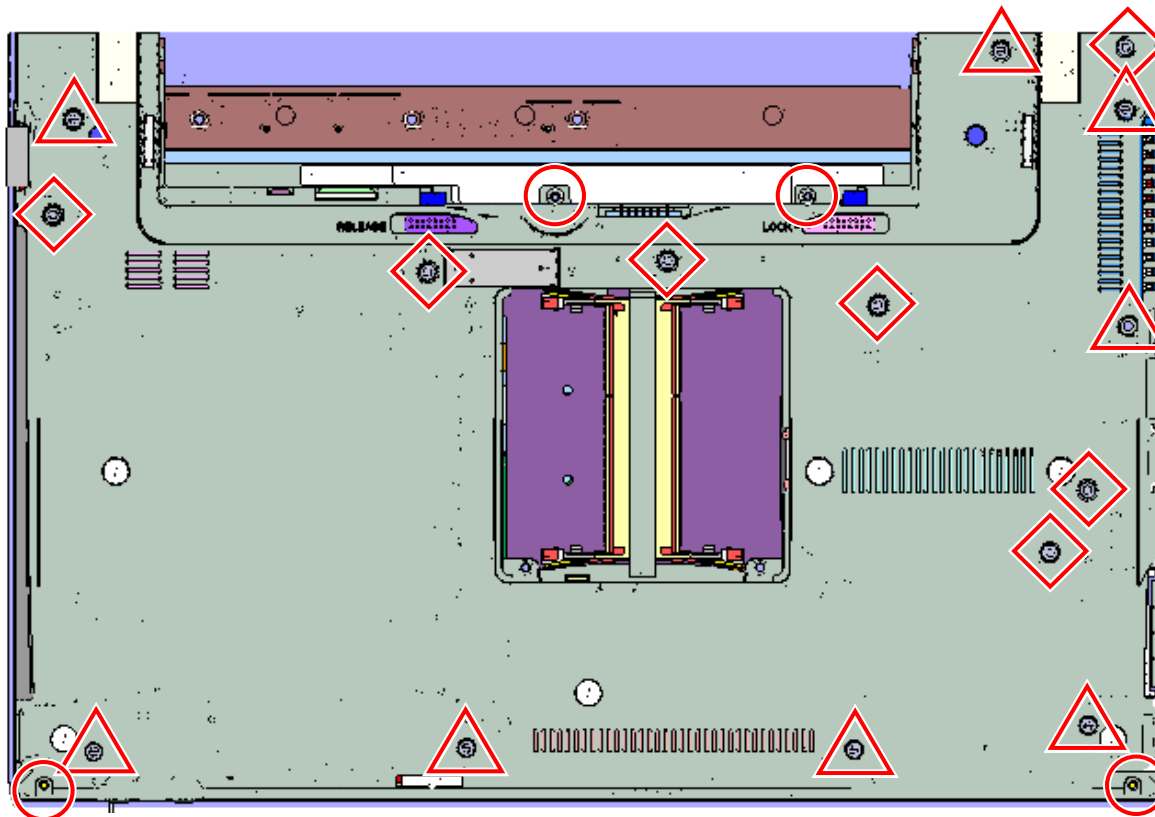
<Memory x 2Model>

Remove the other Memory in the same way.

Palmrest -1

1)

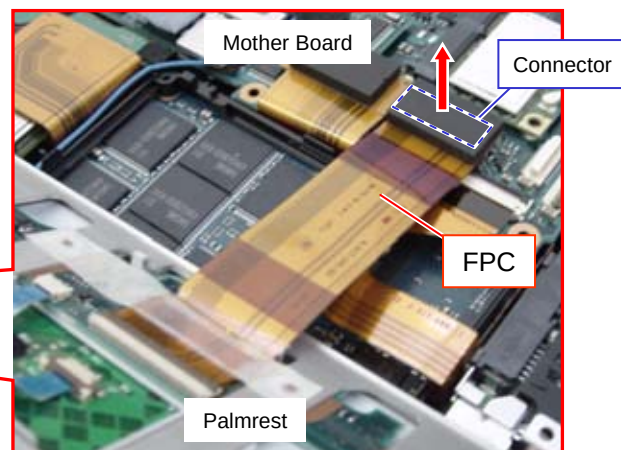
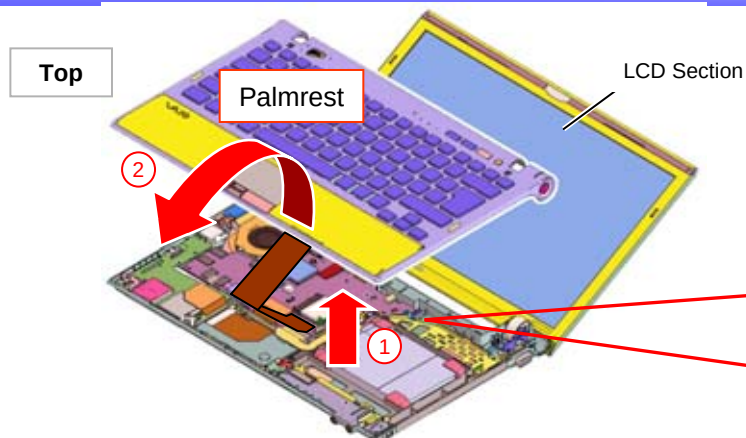
Screw: ○ =B2 / △ =B8 / ◇ =B5



Remove the 19 screws.

Palmrest -2

2)



1. Open the LCD Section, lift the Palmrest (arrow 1), and turn the Palmrest toward you (arrow 2).

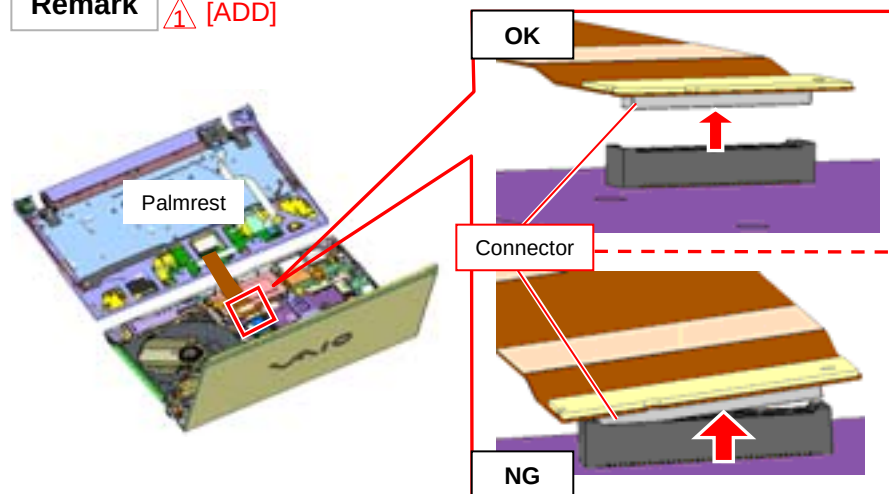
2. Disconnect the FPC coming from the Palmrest from the Mother Board **vertically**, and remove the Palmrest.



* Before removing the Palmrest, be sure to disconnect the connector vertically.

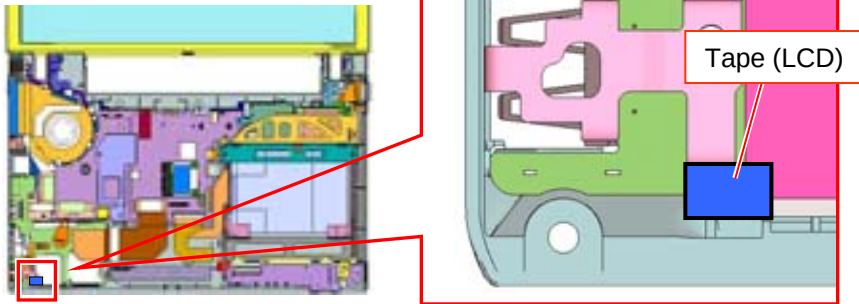
* If you lift up the Palmrest in the state that the connector of the FPC nearly comes off, FPC will be damaged. (Refer to the Remark.) ⚠ [COR]

Remark ⚠ [ADD]



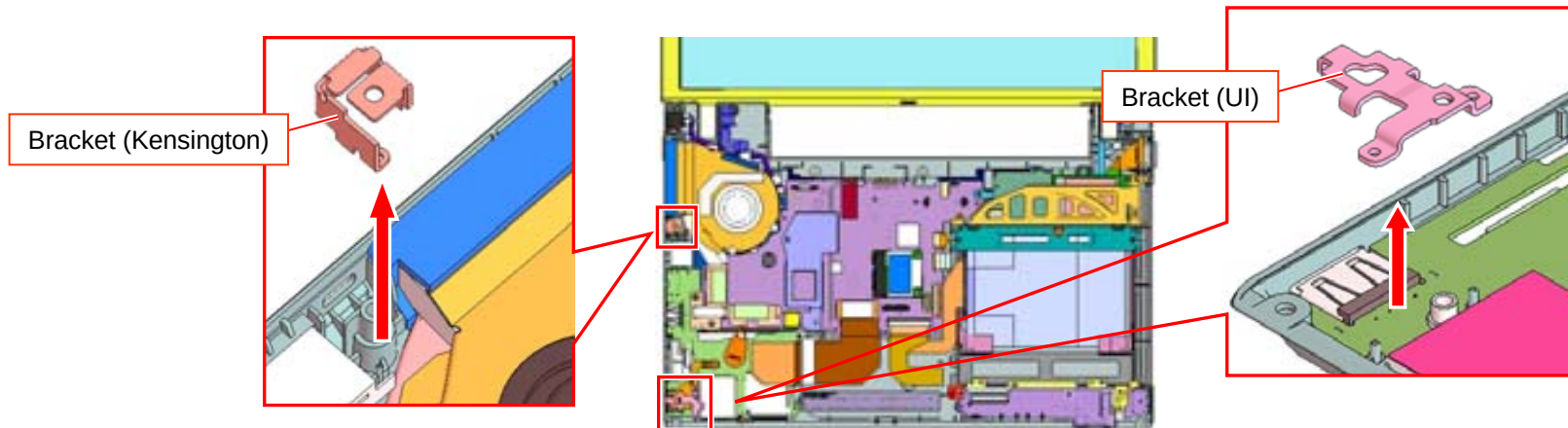
Bracket (Kensington), Bracket (UI)

1)



Peel off the Tape (one place).

2)

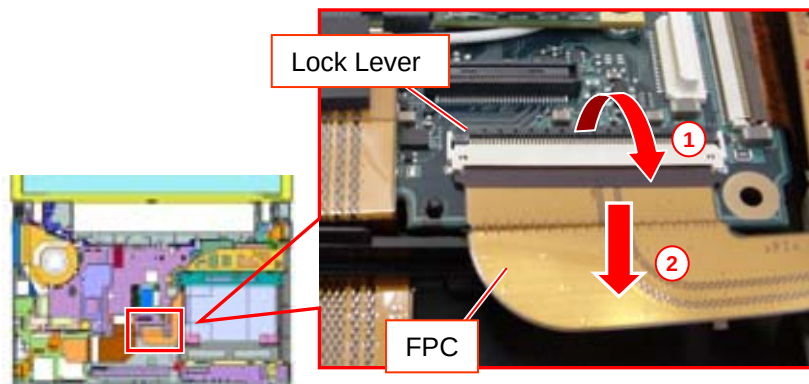


Remove the Brackets (two places).

HDD

HDD Model

1)

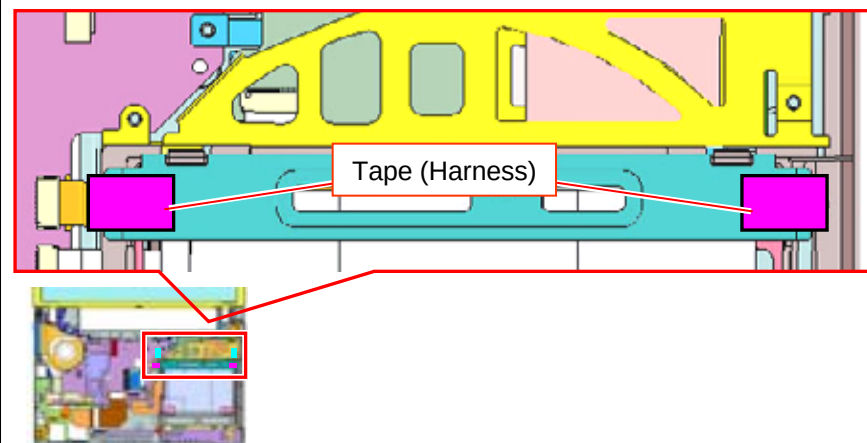


Raise the lock lever (one place) to release the lock (arrow 1), and disconnect the FPC (one place) (arrow 2).

2) ⚠ [MA]

1st / 2nd Model

⚠ [MA]



Peel off the Tapes (two places).

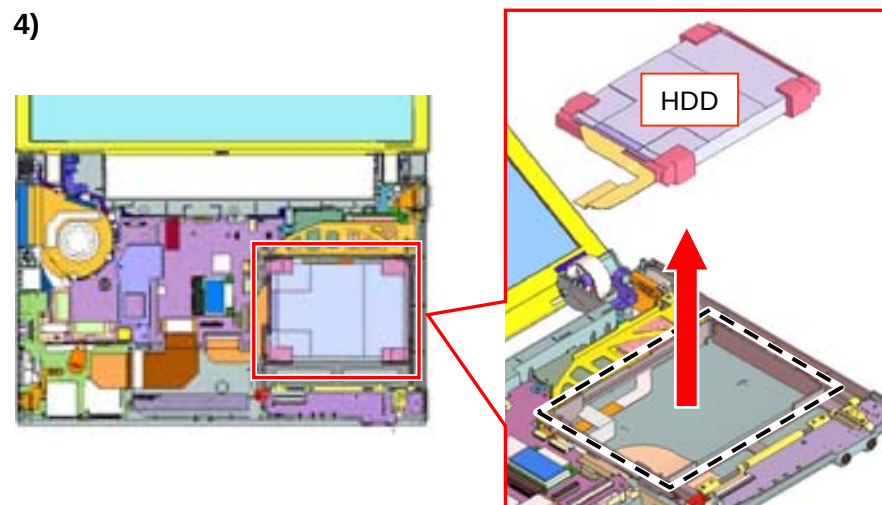
3)

Screw: B3



Remove the two screws and remove the Plate.

4)

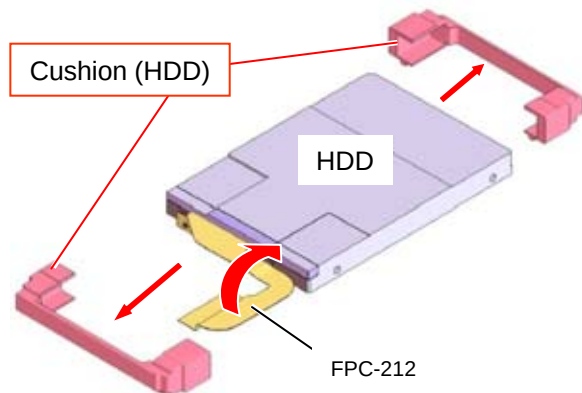


Remove the HDD.

Parts of the HDD

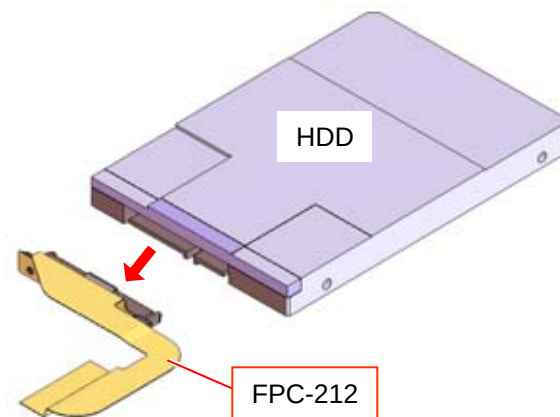
HDD Model

1)



Keep the FPC (one place) up, and remove the Cushions (two places).

2)



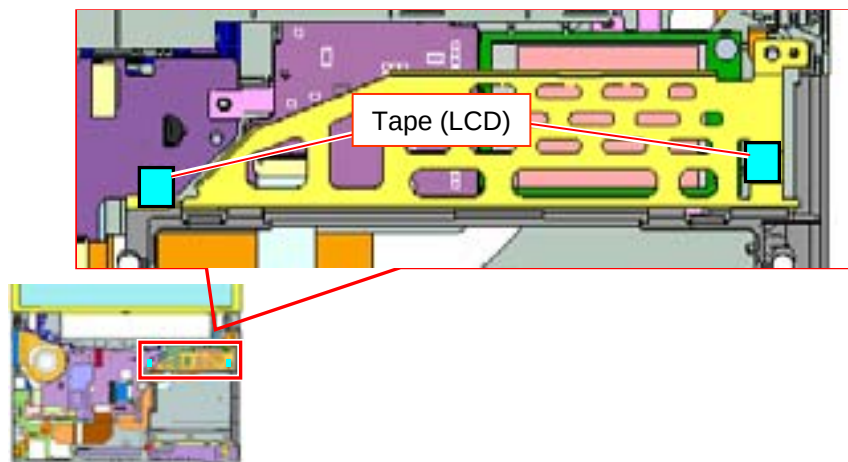
Disconnect the FPC (one place).

Holder (HDD) -1

HDD / No-HDD, No-ODD Model

⚠ [MA]

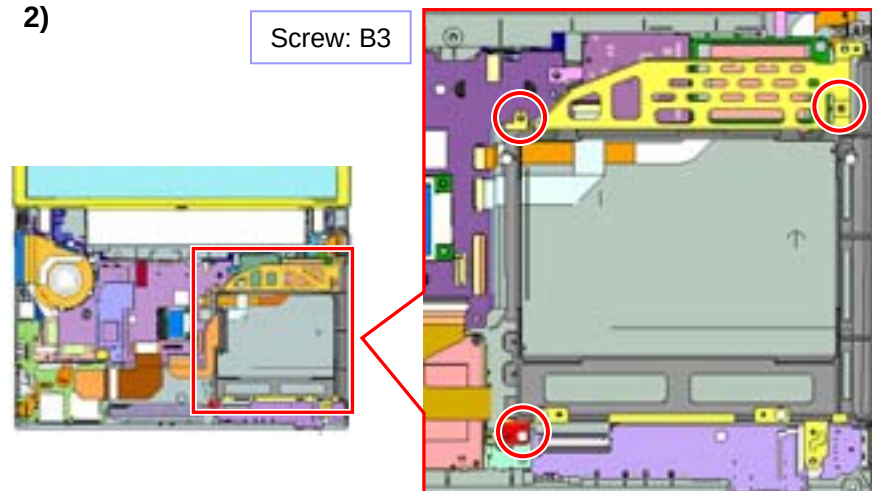
1) ⚠ [MA]



Peel off the Tapes (two places).

2)

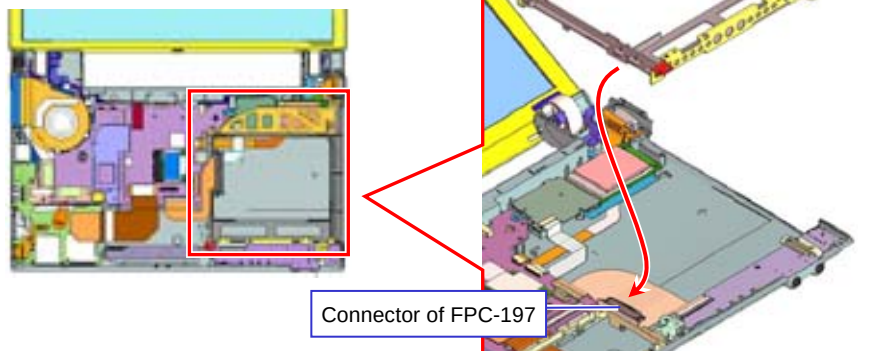
Screw: B3



Remove the three screws.

3)

Holder (HDD)



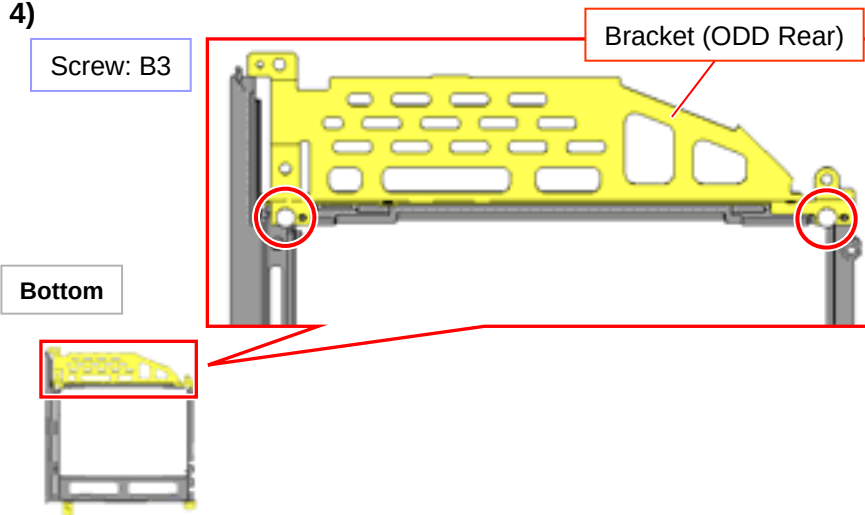
Connector of FPC-197

Remove the connector (one place) and remove the Holder.

4)

Screw: B3

Bracket (ODD Rear)



Bottom

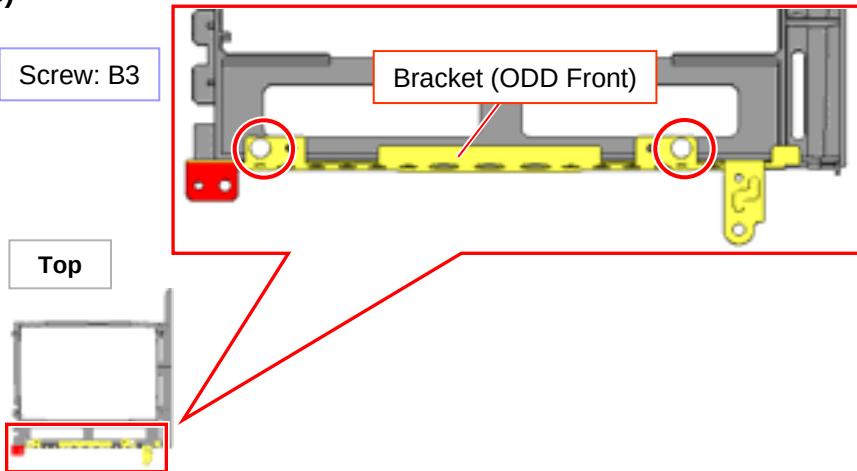
Remove the two screws and remove the Bracket.

Holder (HDD) -2

HDD / No-HDD, No-ODD Model

⚠ [MA]

5)

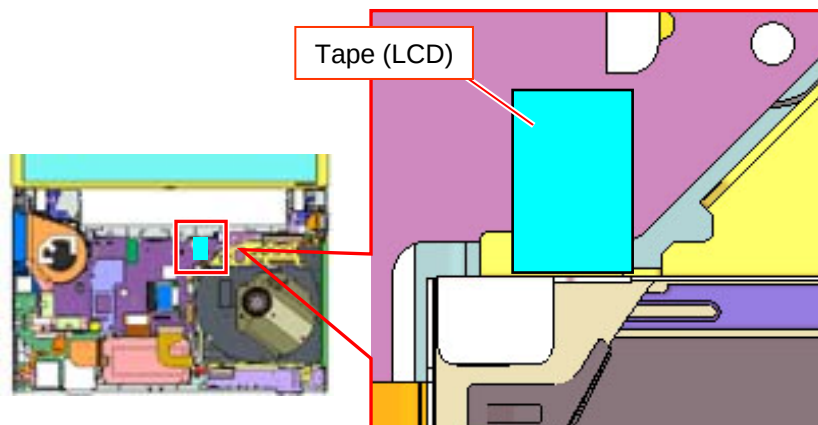


Remove the two screws and remove the Bracket.

Optical Disc Drive

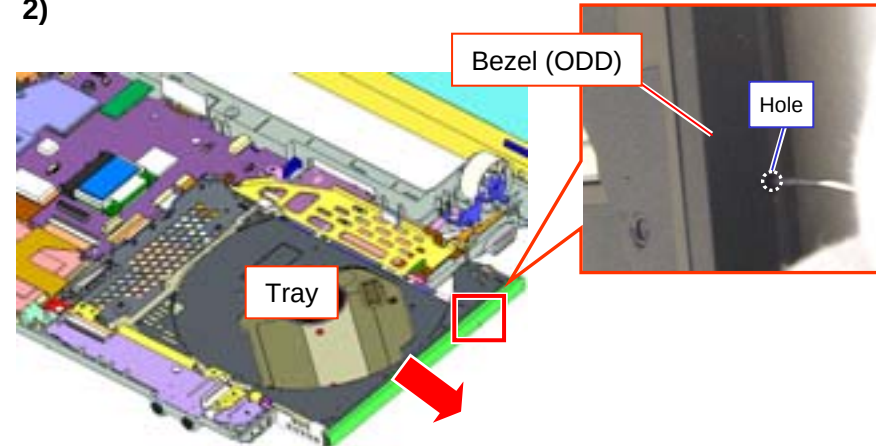
ODD Model

1)



Peel off the Tape (one place).

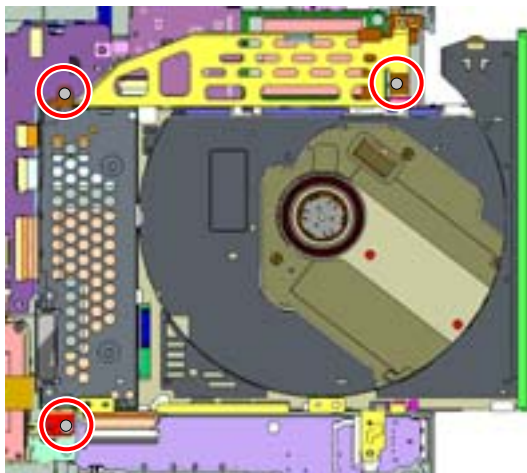
2)



Insert a thin tool into the hole of the Bezel, and eject the Tray.

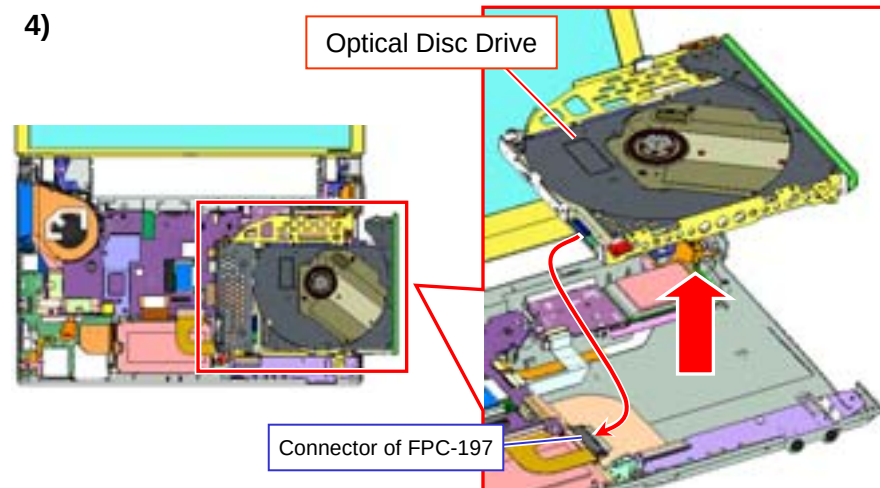
3)

Screw: B3



Remove the three screws.

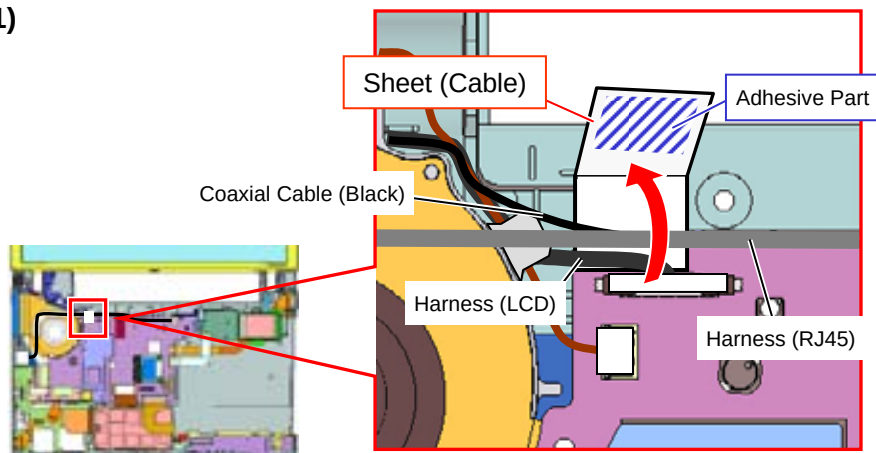
4)



Remove the connector (one place) and remove the Optical Disc Drive.

Harness (RJ45)

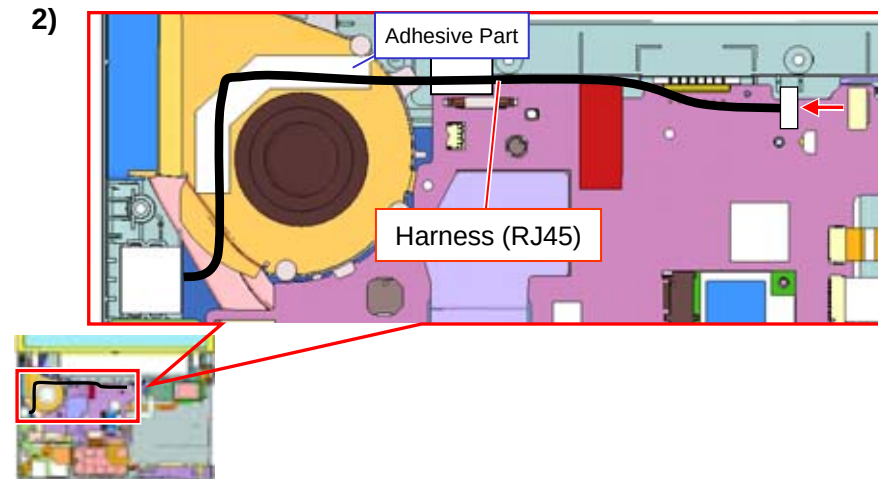
1)



Peel off the Sheet (one place) in the direction of the arrow.

* The Harnesses and coaxial cable are fixed by this Sheet.

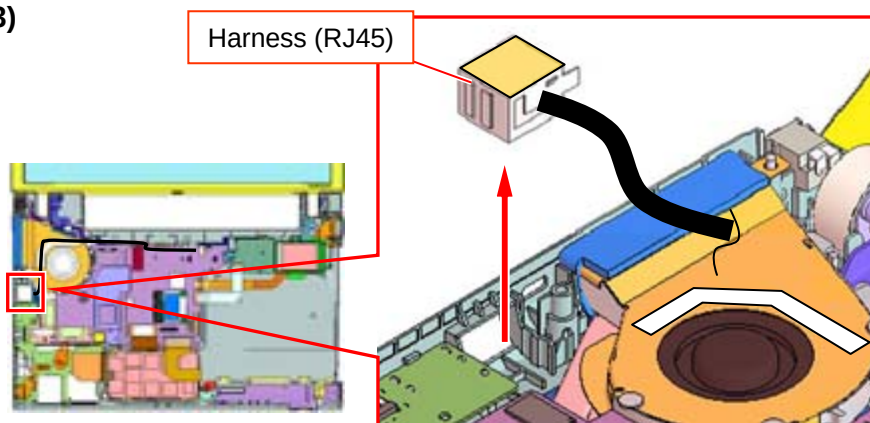
2)



Disconnect the Harness (one place) and release it.

*It is secured with a piece of adhesive tape.

3)

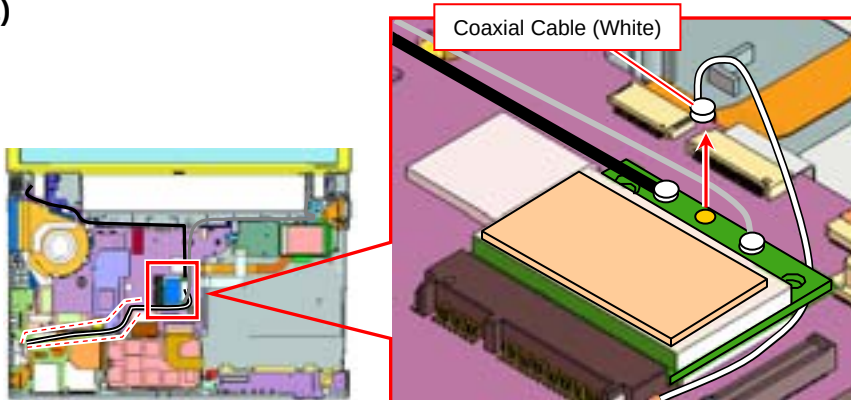


Remove the Harness vertically.

Antenna (WLAN MIMO)

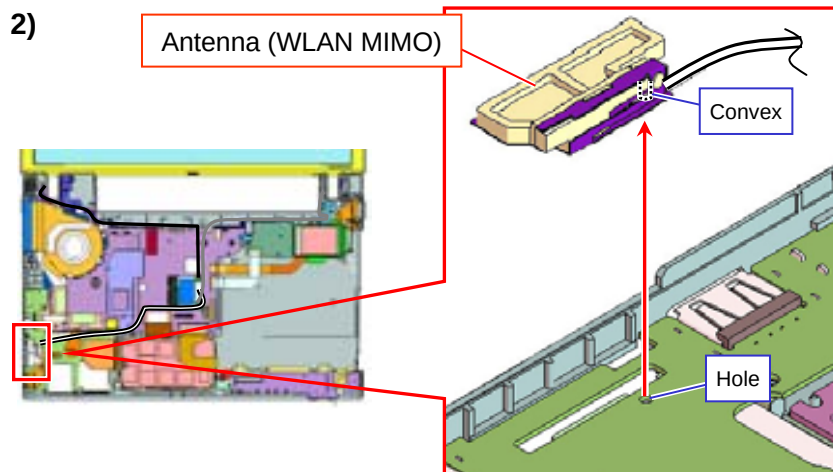
WLAN 3rd Model

1)



Disconnect the coaxial cable (white) vertically and release it.

2)

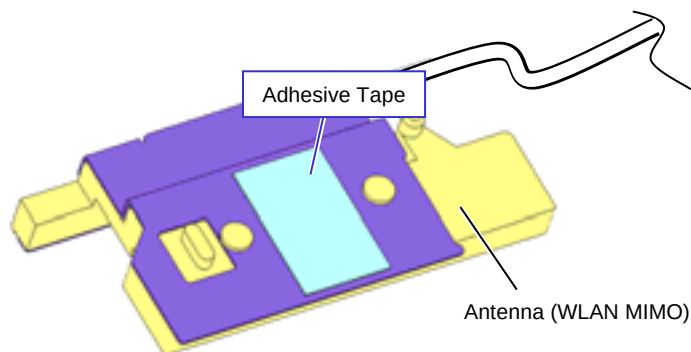


Release the convex part (one place) from the hole (one place), and remove the Antenna.

*The piece of adhesive tape is attached on the back side of the Antenna.

Remark

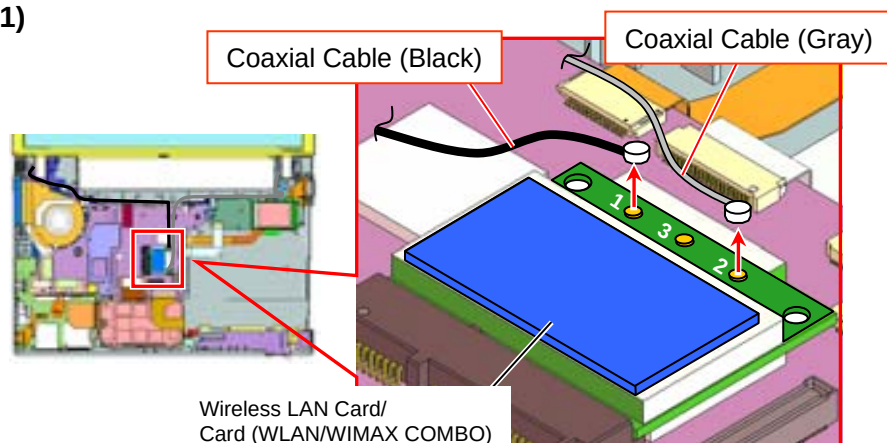
Bottom



Position of Adhesive Tape

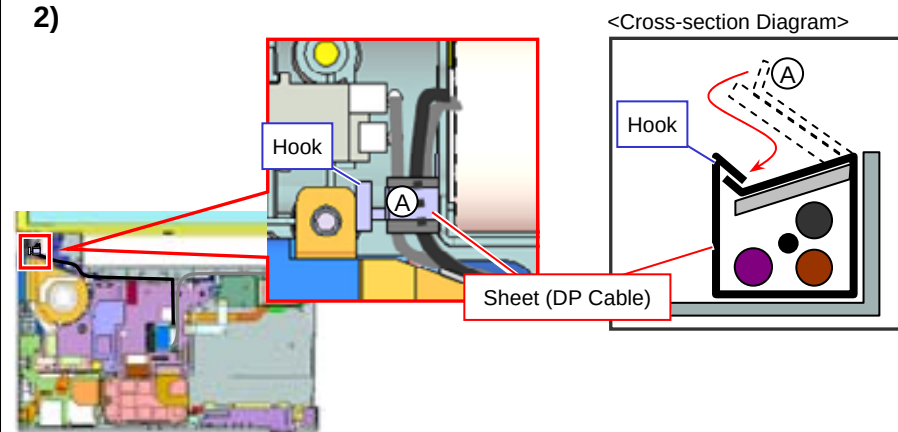
Wireless LAN Card / Card (WLAN/WIMAX COMBO) -1

1)



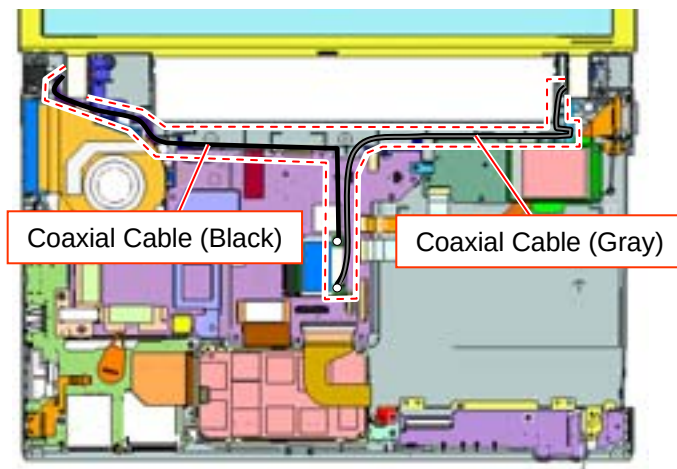
Disconnect the coaxial cables (two places) vertically.

2)



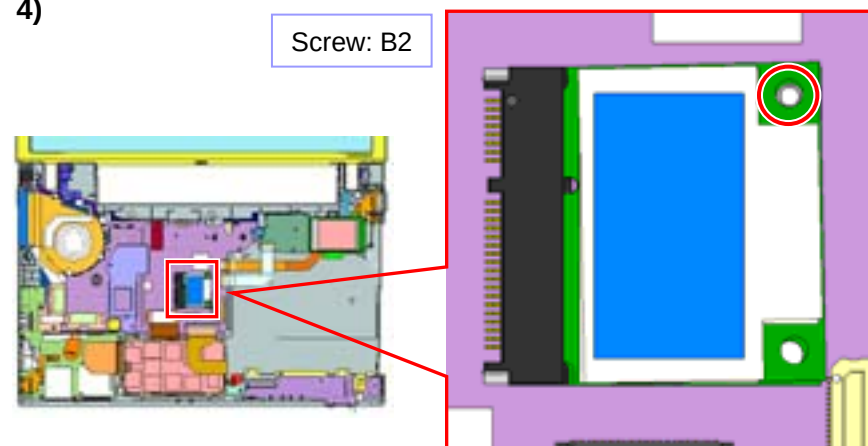
Release the A part from the hook to release the lock of the Sheet.

3)



Release the two coaxial cables.

4)

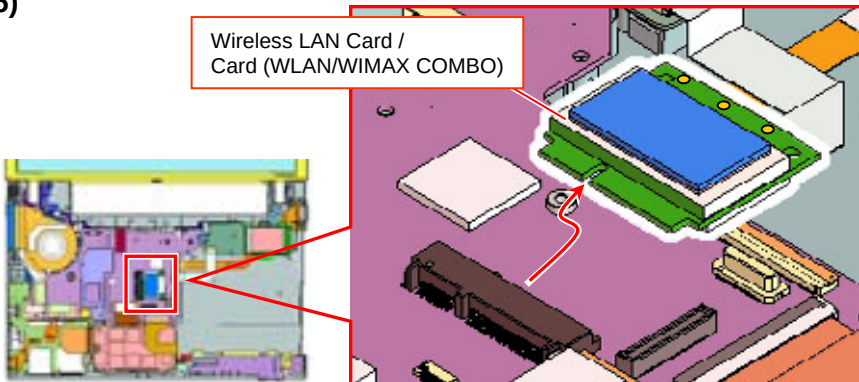


Remove the screw.

Wireless LAN Card / Card (WLAN/WIMAX COMBO) -2

5)

Wireless LAN Card /
Card (WLAN/WIMAX COMBO)



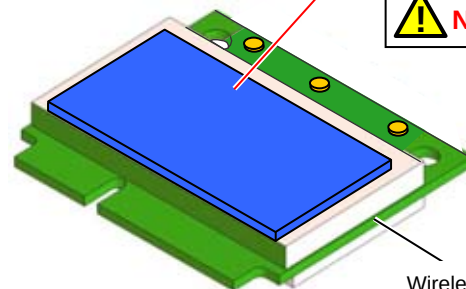
Remove the Wireless LAN Card / Card.

Remark

Thermal Sheet (WLAN 1 / WLAN 2)



Non-reusable



Wireless LAN Card /
Card (WLAN/WIMAX COMBO)

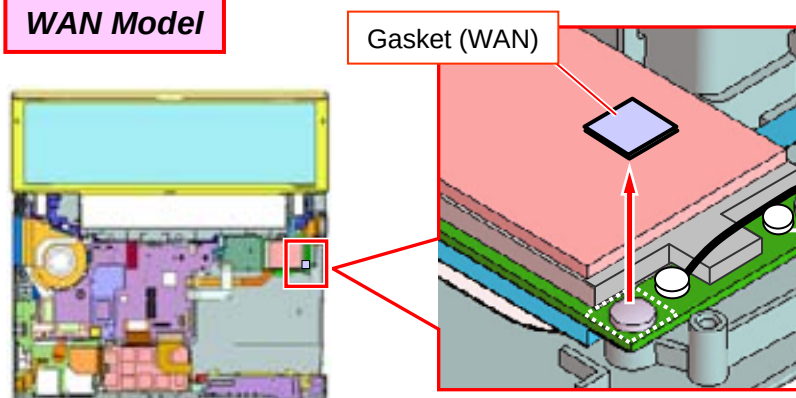
The Thermal Sheet (one place) is attached.

* Normal KB Model---Thermal Sheet (WLAN 1) /
Backlight KB Model---Thermal Sheet (WLAN 2)

LCD Section -1

1)

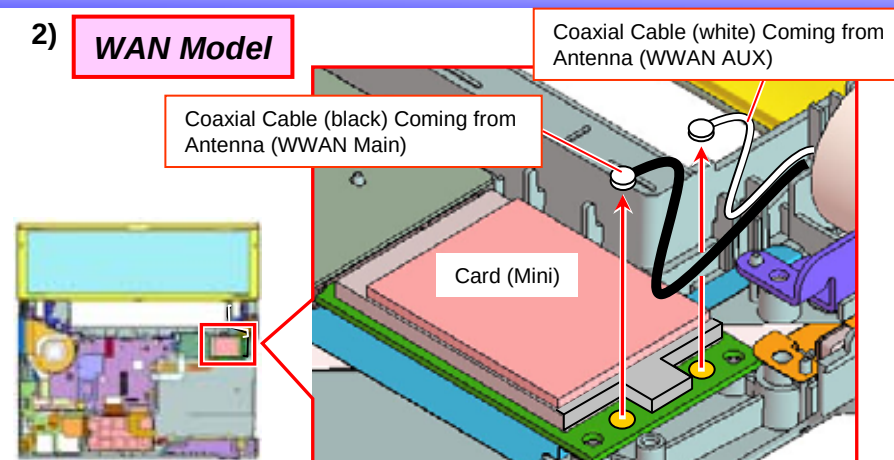
WAN Model



Peel off the Gasket (one place).

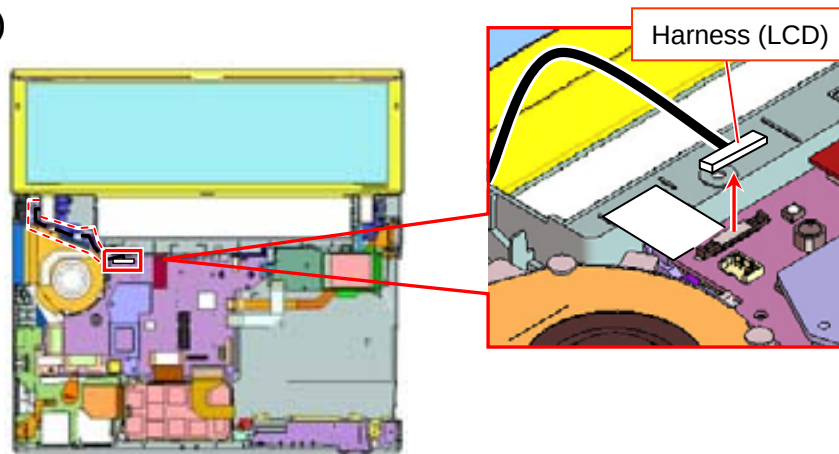
2)

WAN Model



Disconnect the coaxial cables (two places) vertically and release them.

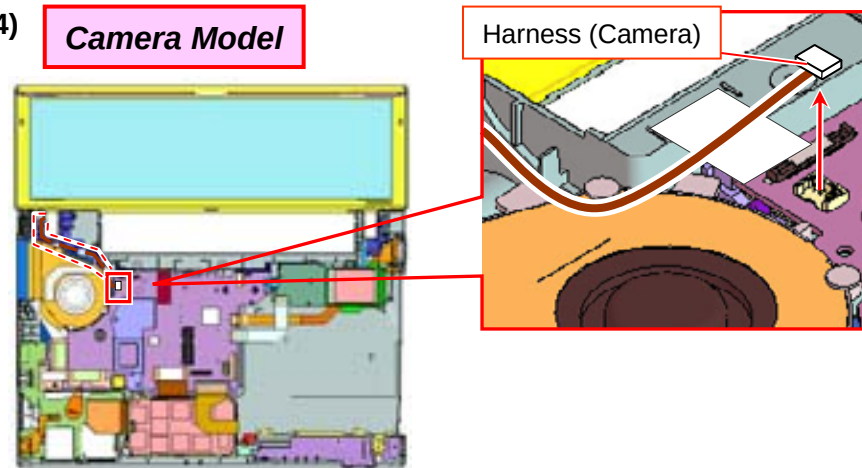
3)



Disconnect the Harness (one place) vertically and release it.

4)

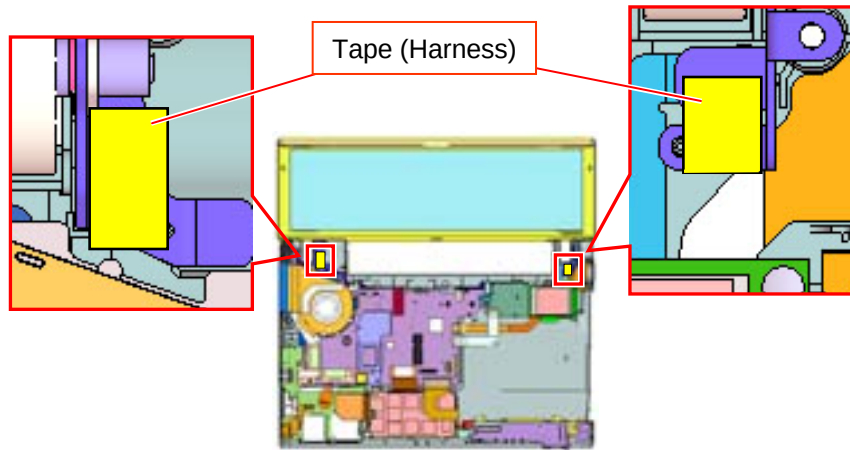
Camera Model



Disconnect the Harness (one place) vertically and release it.

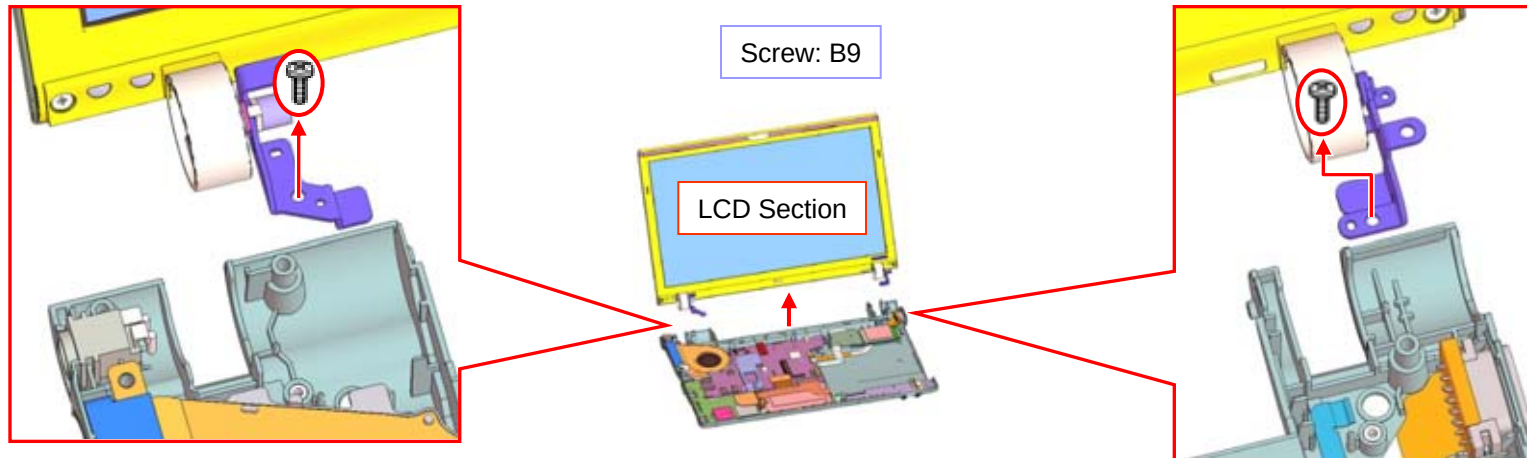
LCD Section -2

5)



Peel off the Tapes (two places).

6)

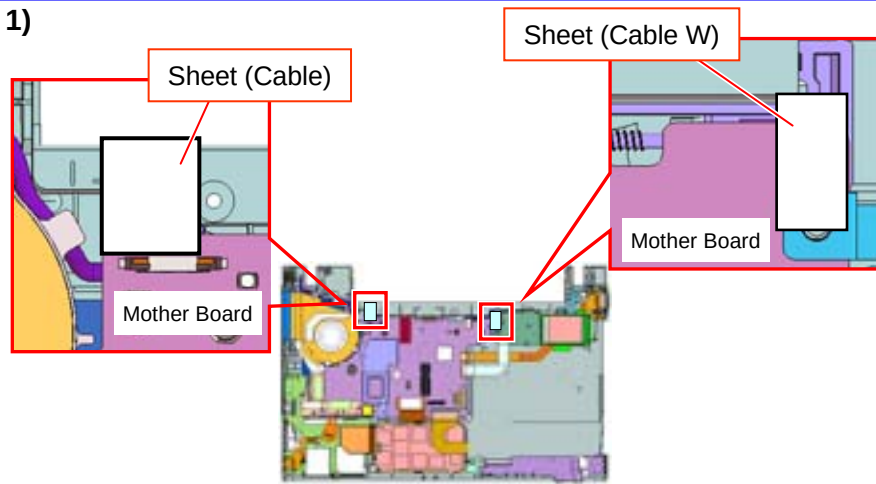


Remove the two screws and remove the LCD Section.

* When doing this step, be sure to hold the LCD Section.

Sheet (Cable)

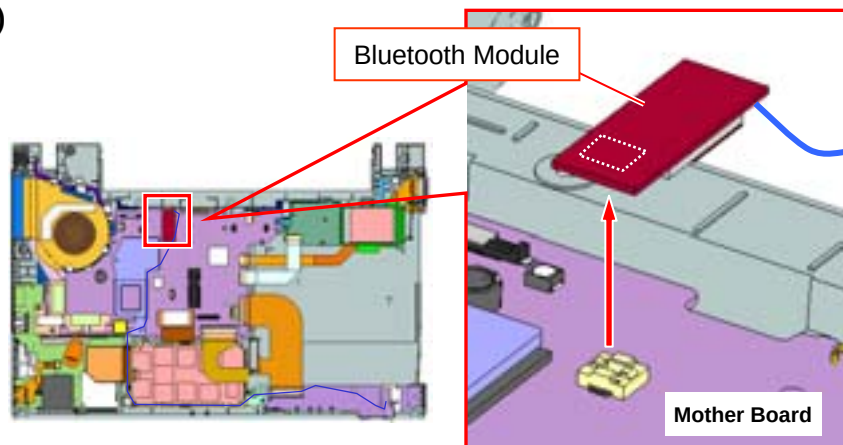
1)



Peel off the Sheets (two places).

Bluetooth Module -1

1)

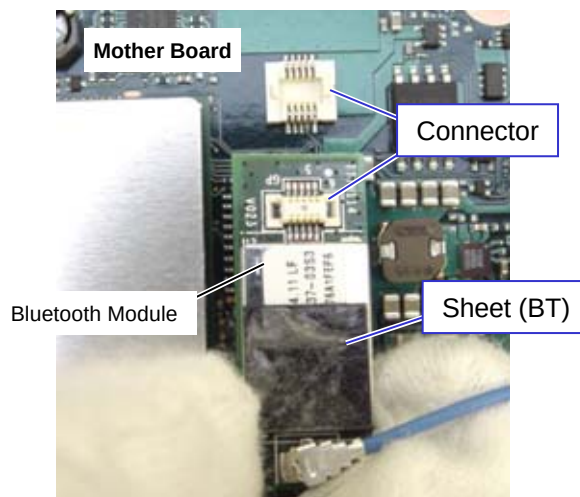


Remove the Bluetooth Module.

* There is a connector on the bottom of it.

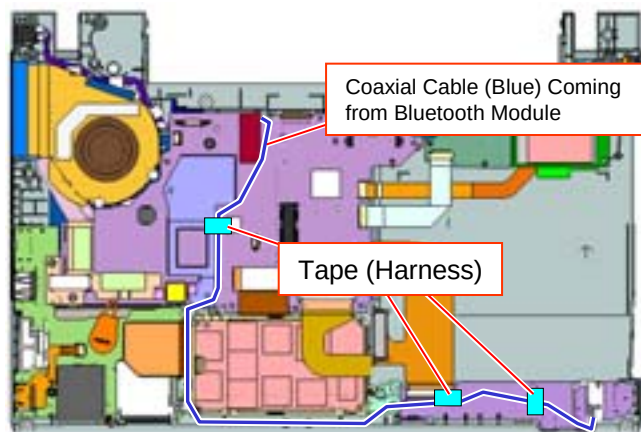
* It is secured with a piece of adhesive sheet.

Remark



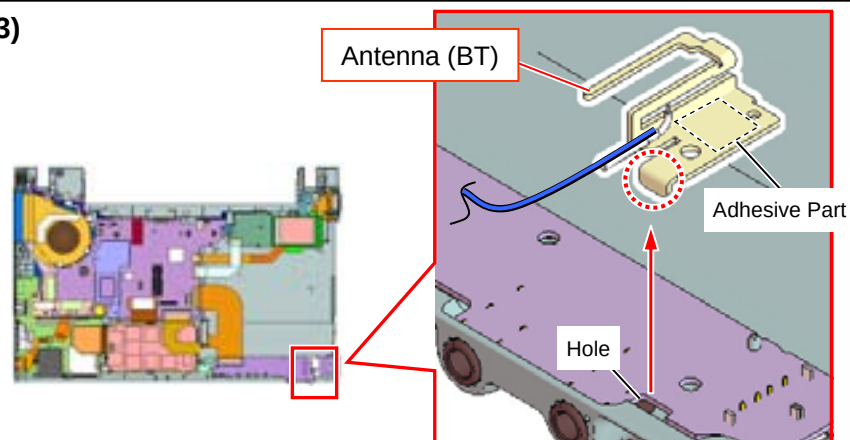
Position of the Connector and the Sheet

2)



Peel off the Tapes (three places), and release the coaxial cable (blue).

3)

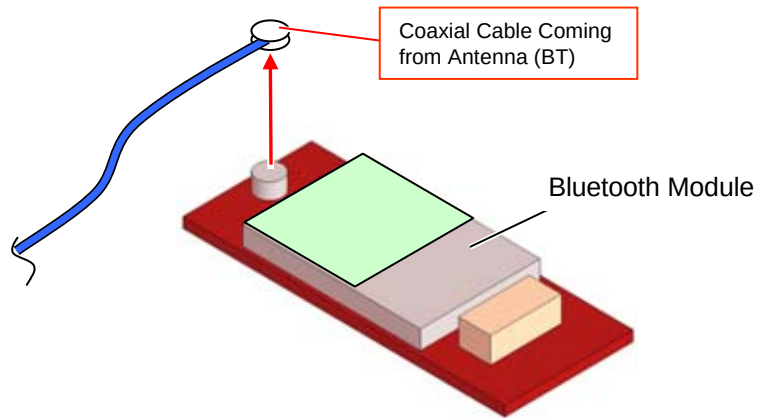


Release the detent from the hole, and remove the Antenna.

* It is secured with a piece of adhesive tape.

Bluetooth Module -2

4)

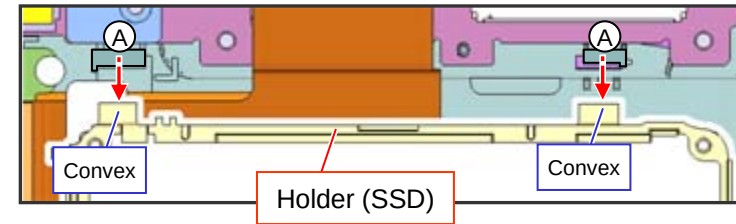
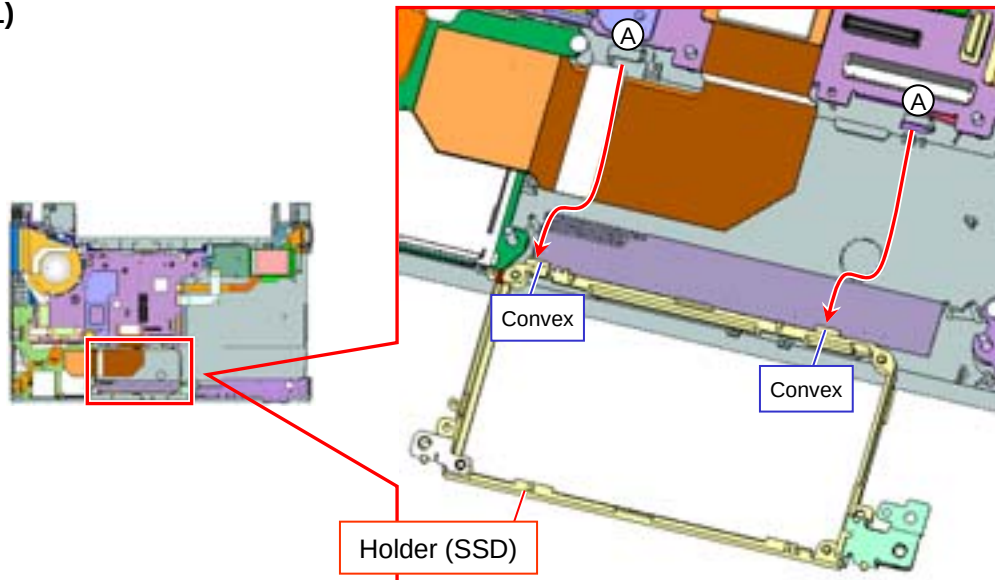


Disconnect the coaxial cable vertically.

Holder (SSD)

No-SSD Model

1)



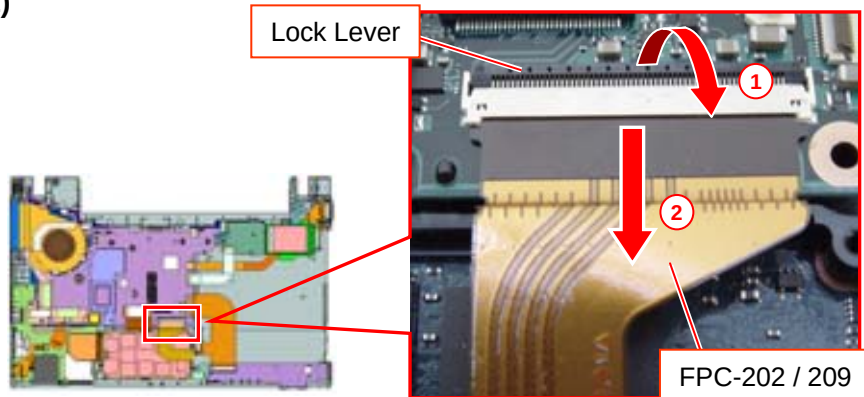
Remove the Holder while releasing the convex parts (two places) from the A parts (two places).

SSD -1

1st (SSD) / 2nd/3rd (SSD (SA)) Model

⚠ [MA] ⚠ [MA]

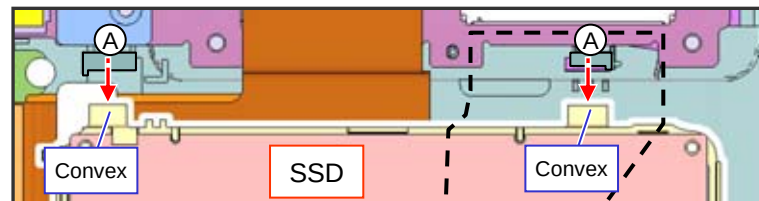
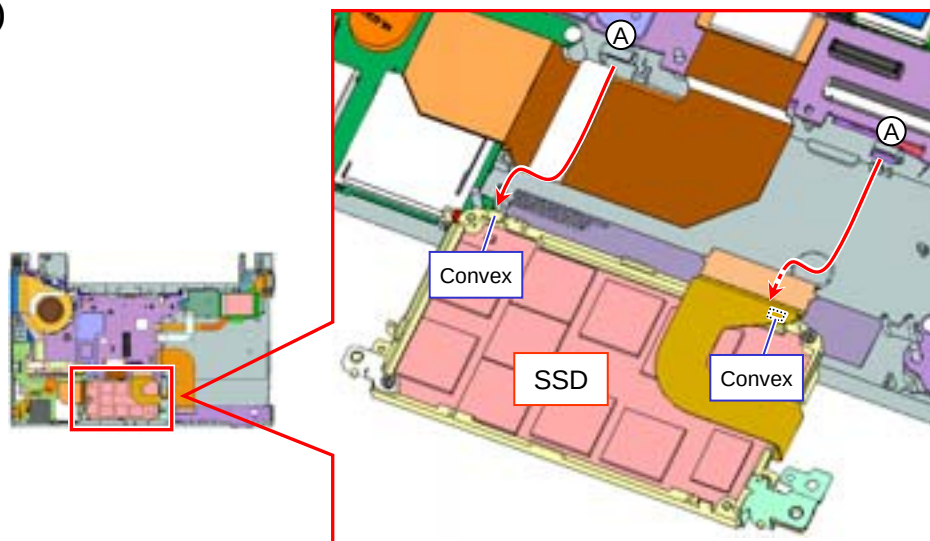
1)



Raise the lock lever (one place) to release the lock (arrow 1), and disconnect the FPC (one place) (arrow 2).

* FPC-202 --- SSD x 1Model/FPC-209 --- SSD x 2Model

2)

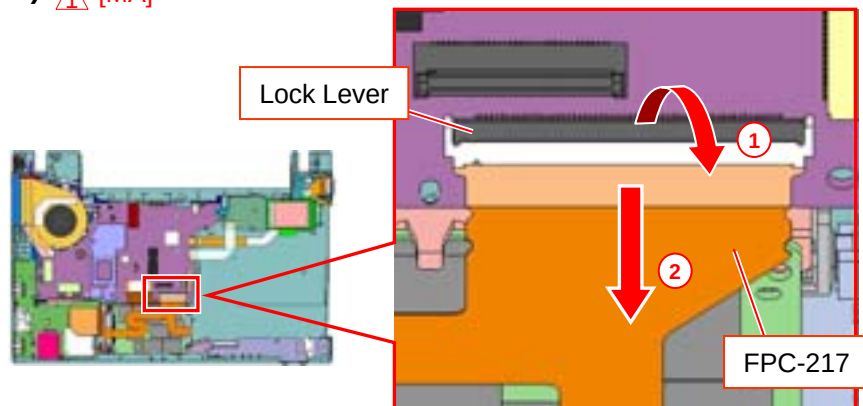


Release the convex parts (two places) from the A parts (two places) and remove the SSD.

SSD-2

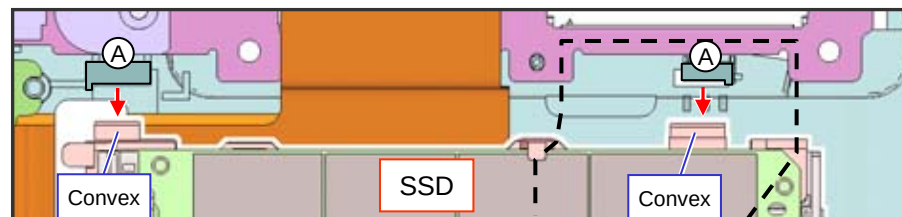
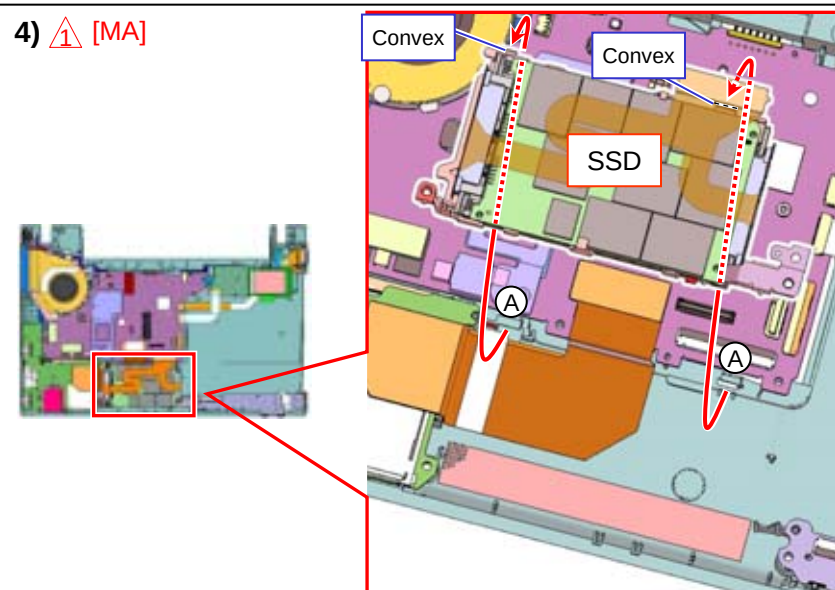
SSD x 2 (TO) Model

3) ⚠ [MA]



Raise the lock lever (one place) to release the lock (arrow 1), and disconnect the FPC (one place) (arrow 2).

4) ⚠ [MA]



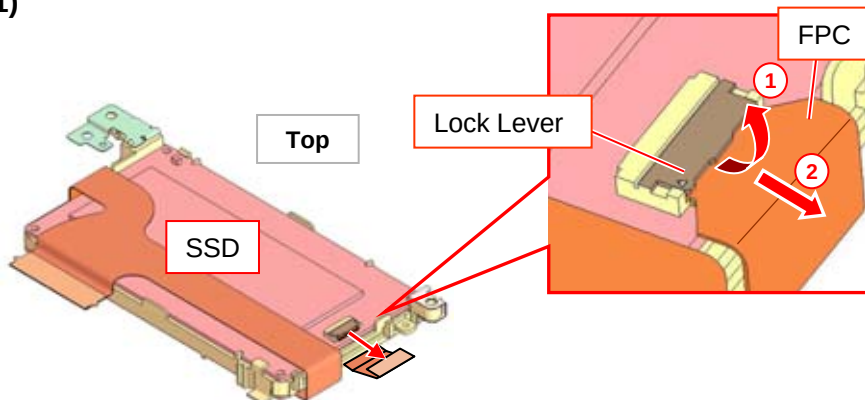
Release the convex parts (two places) from the A parts (two places) and remove the SSD.

Parts of the SSD -1

1st (SSDx2) / 2nd/3rd (SSD x 2(SA)) Model

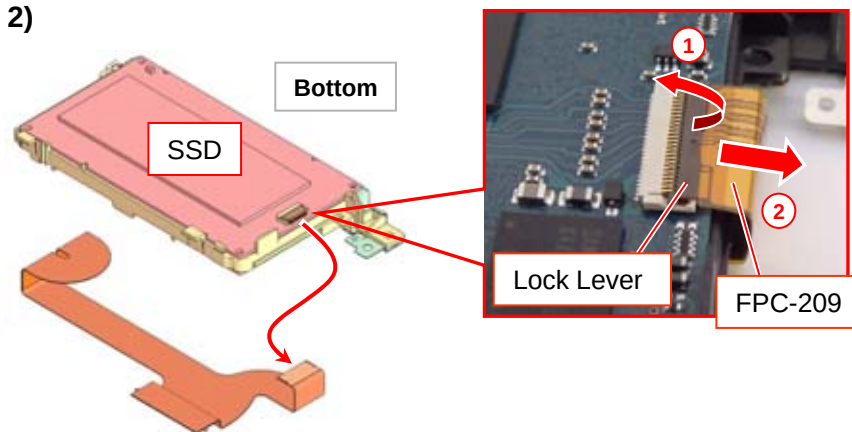
⚠ [MA] ⚠ [MA]

1)



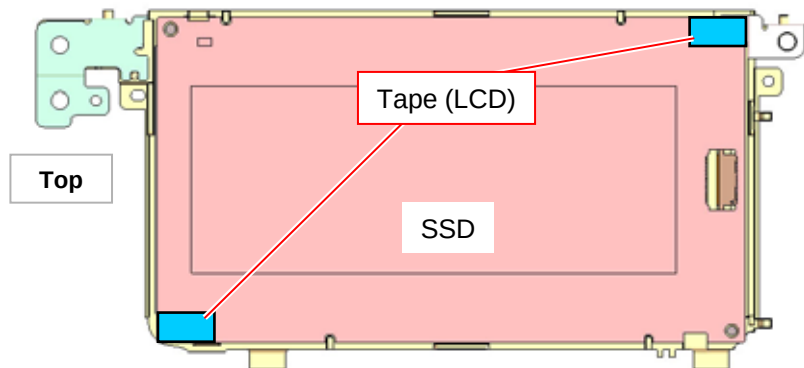
Raise the lock lever (one place) to release the lock (arrow 1), and disconnect the FPC (one place) (arrow 2).

2)



1. Turn over the SSD.
2. Raise the lock lever (one place) to release the lock (arrow 1), and disconnect the FPC (one place) (arrow 2).

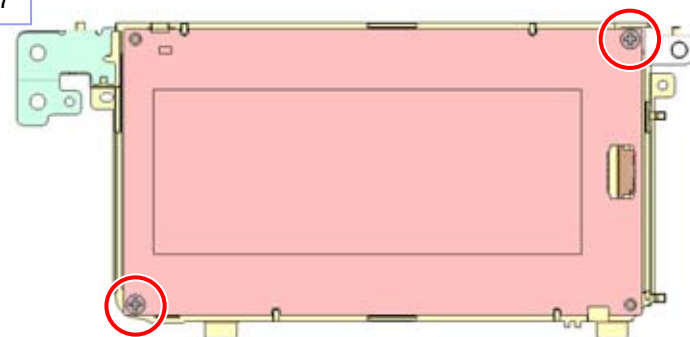
3)



Peel off the Tapes (two places).

4)

Screw: B7



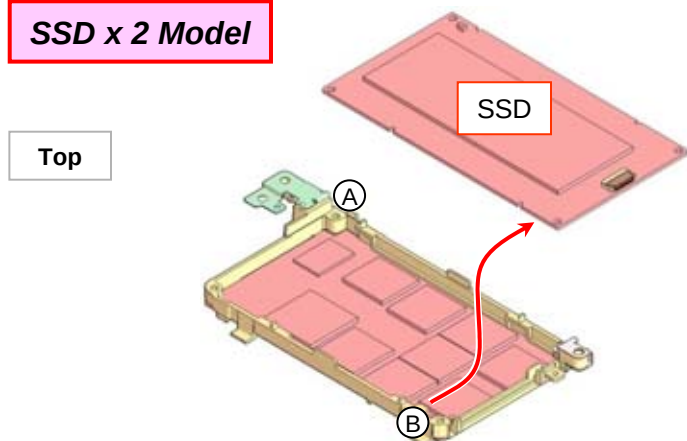
Remove the two screws.

Parts of the SSD -2

1st (SSD) / 2nd/3rd (SSD (SA)) Model

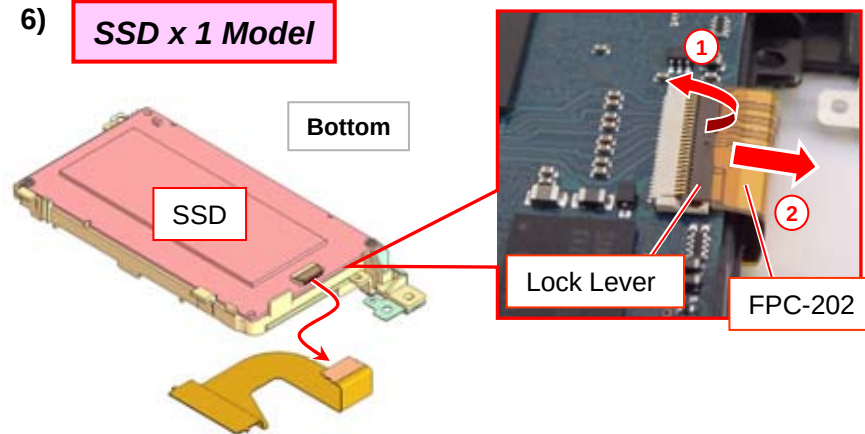
⚠ [MA] ⚠ [MA]

5) SSD x 2 Model



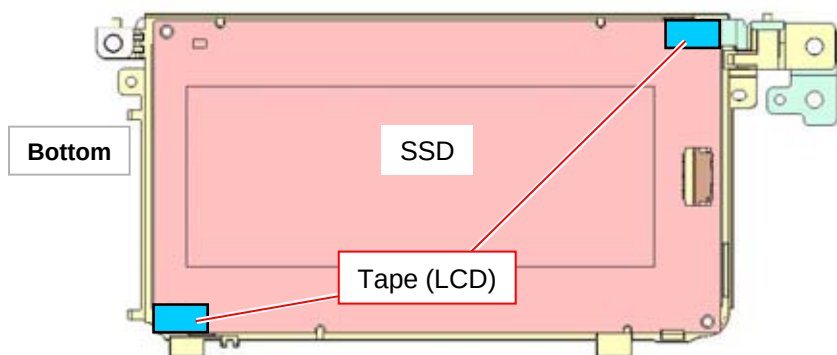
Release the SSD from the detent A (one place) and remove the SSD in the direction of the arrow while releasing the SSD from the detent B (one place).

6) SSD x 1 Model



Raise the lock lever (one place) to release the lock (arrow 1), and disconnect the FPC (one place) (arrow 2).

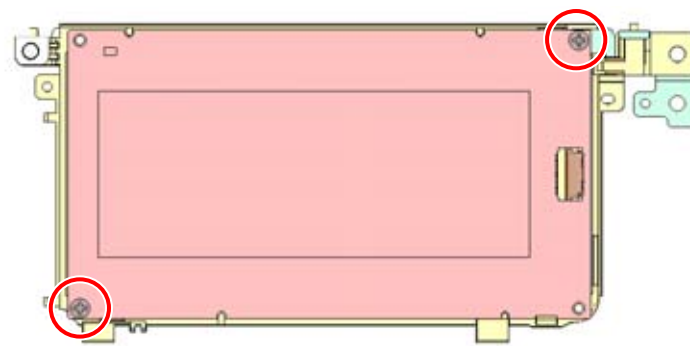
7)



Peel off the Tapes (two places).

8)

Screw: B7



Remove the two screws.

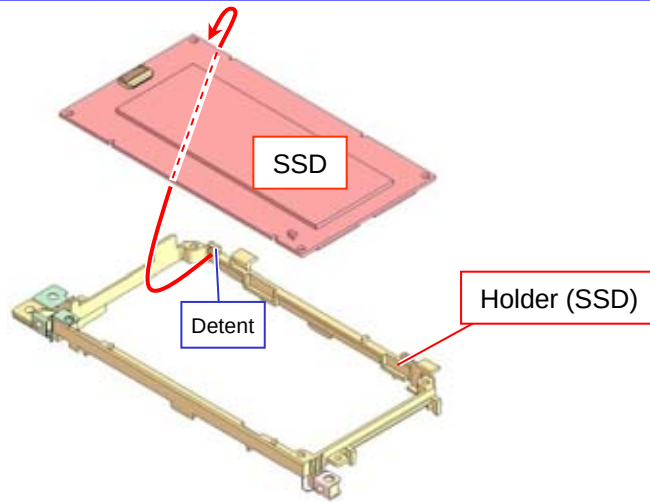
Parts of the SSD -3

1st (SSD) / 2nd/3rd (SSD (SA)) Model

⚠ [MA] ⚠ [MA]

9)

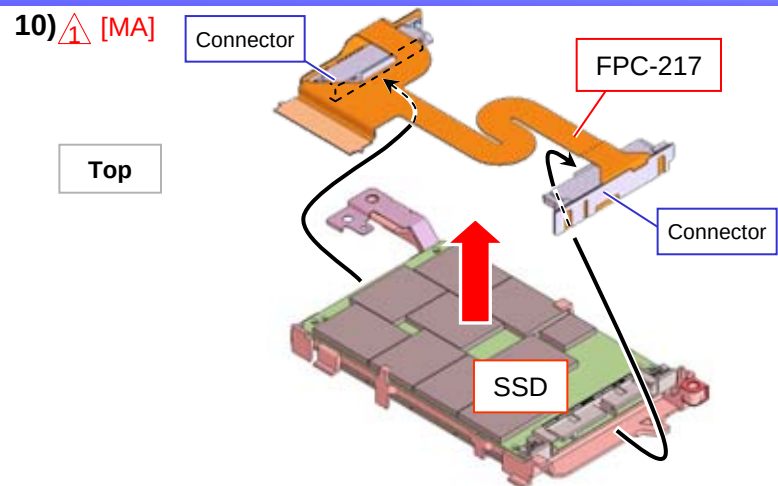
Bottom



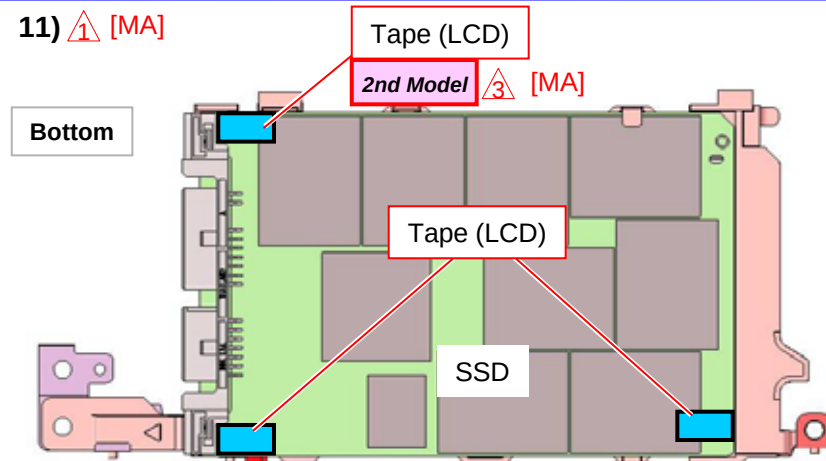
Remove the SSD in the direction of the arrow while releasing the SSD from the detent (one place).

Parts of the SSD -4

SSD x 2 (TO) Model

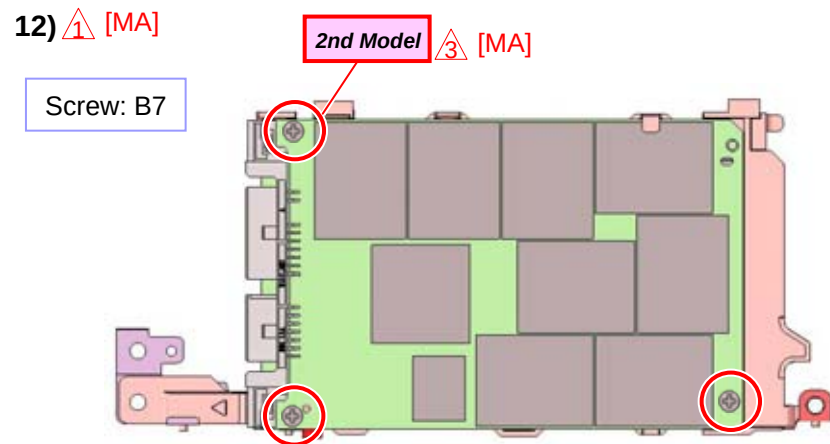


Disconnect the two connectors, and remove the FPC (one place).



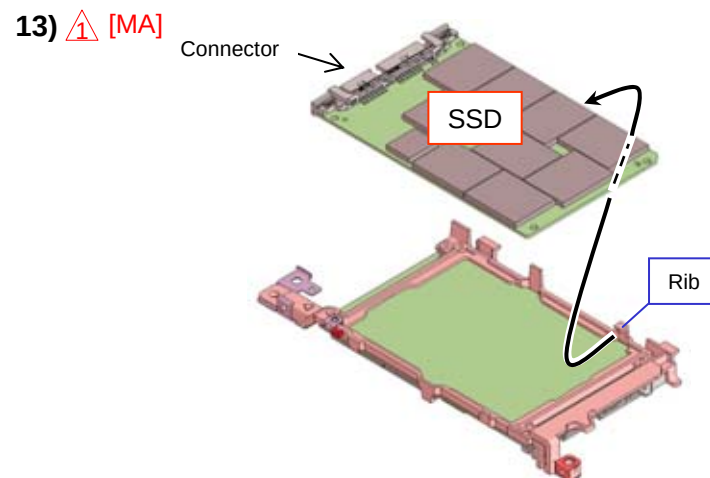
Peel off the Tapes.

*2nd Model --- Three Places / 3rd Model --- Two Places



Remove the screws.

*2nd Model --- Three Places / 3rd Model --- Two Places



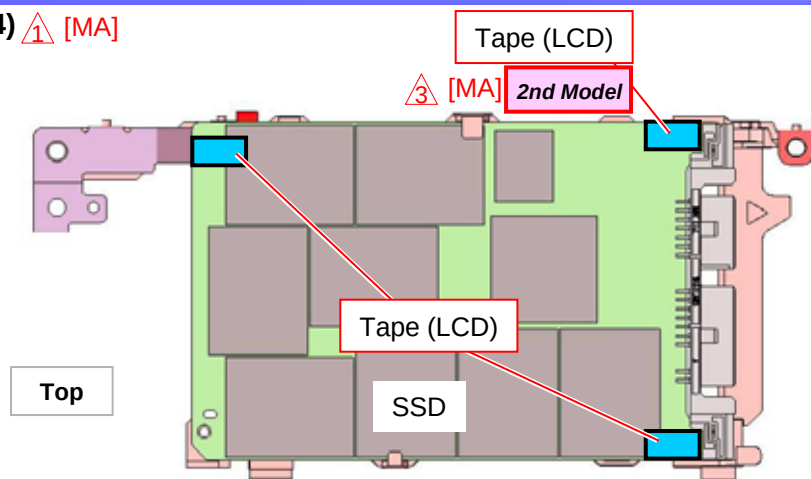
Remove the SSD from the rib (one place) in the direction of the arrow.

Z1 Series

Parts of the SSD -5

SSD x 2 (TO) Model

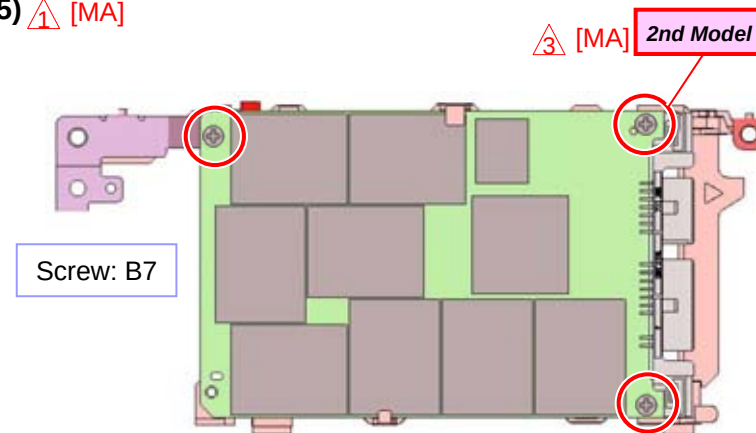
14) ⚠ [MA]



Peel off the Tapes.

*2nd Model --- Three Places / 3rd Model --- Two Places

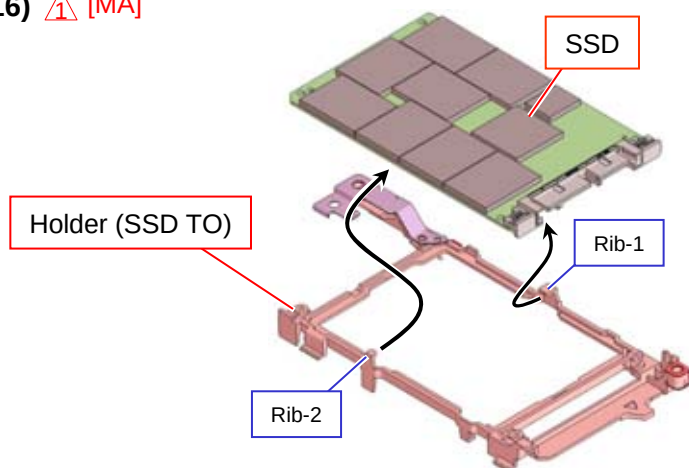
15) ⚠ [MA]



Remove the screws.

*2nd Model --- Three Places / 3rd Model --- Two Places

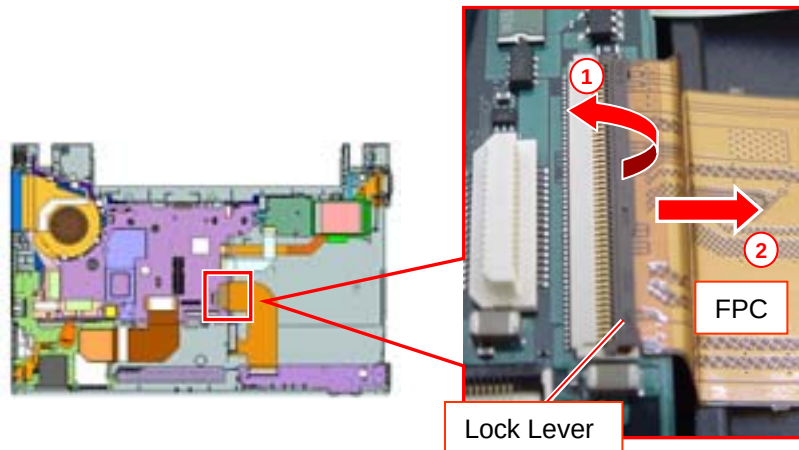
16) ⚠ [MA]



Release the SSD from the two ribs in order by bending the ribs respectively and remove the SSD.

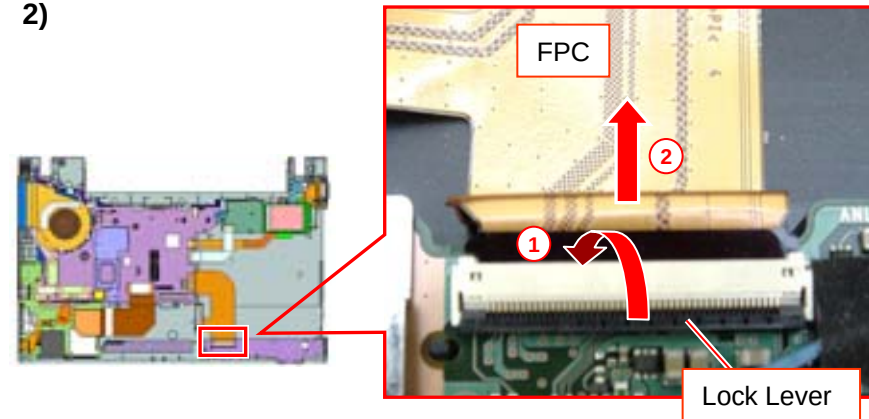
FPC-197

1)



Raise the lock lever (one place) to release the lock (arrow 1), and disconnect the FPC (one place) (arrow 2).

2)

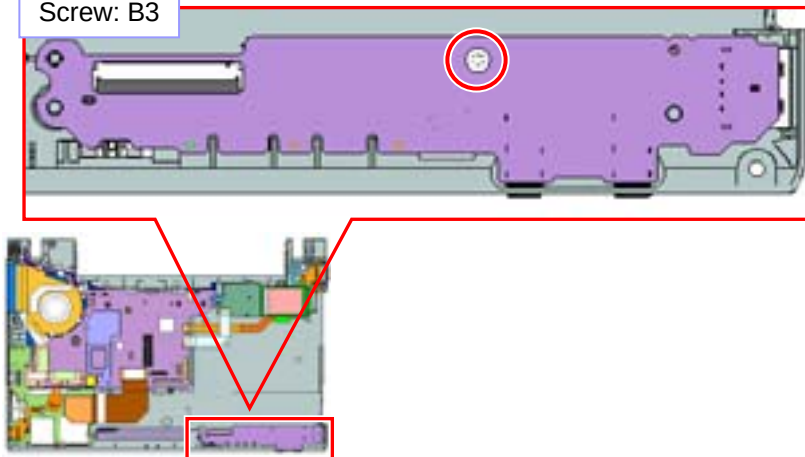


Raise the lock lever (one place) to release the lock (arrow 1), and disconnect the FPC (one place) (arrow 2).

ANL-96 Board

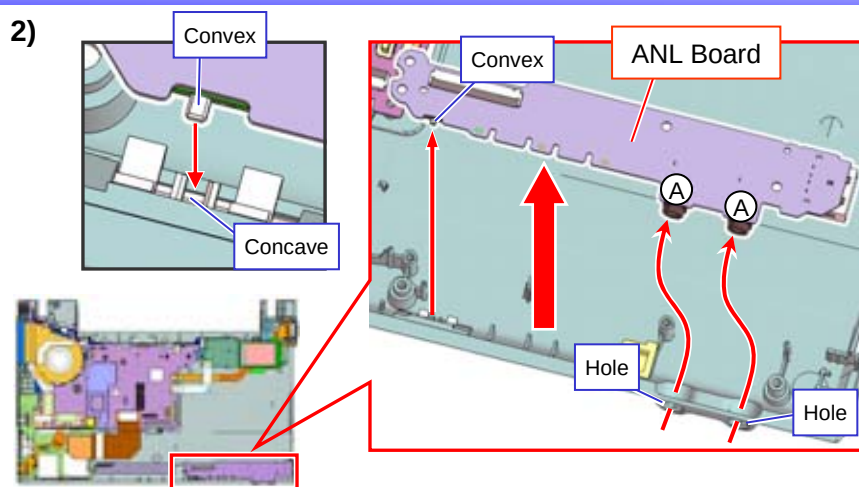
1)

Screw: B3



Remove the screw.

2)

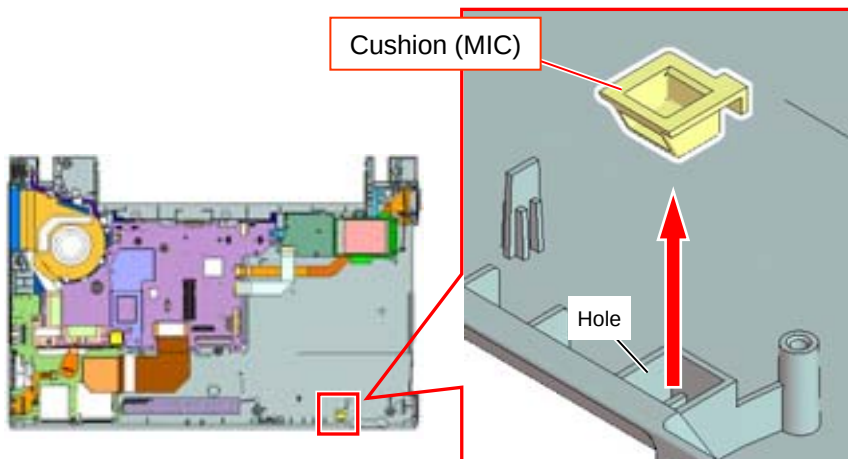


Release the A parts (two places) from the holes (two places), and remove the ANL Board.

* Release the convex part from the concave part.

3)

Cushion (MIC)

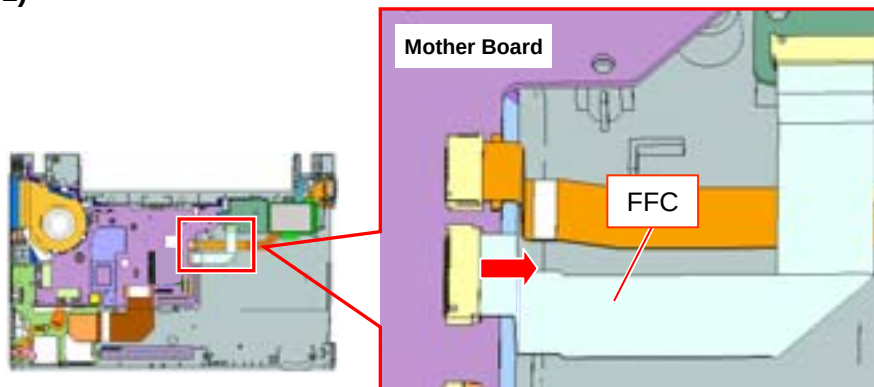


Remove the Cushion (one place) from the hole.

IFX-546 Board, Card (Mini)

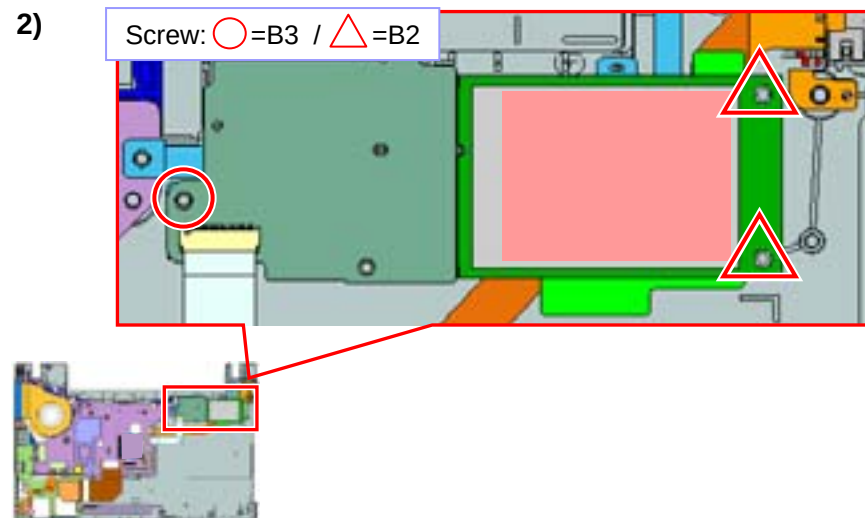
WAN Model

1)



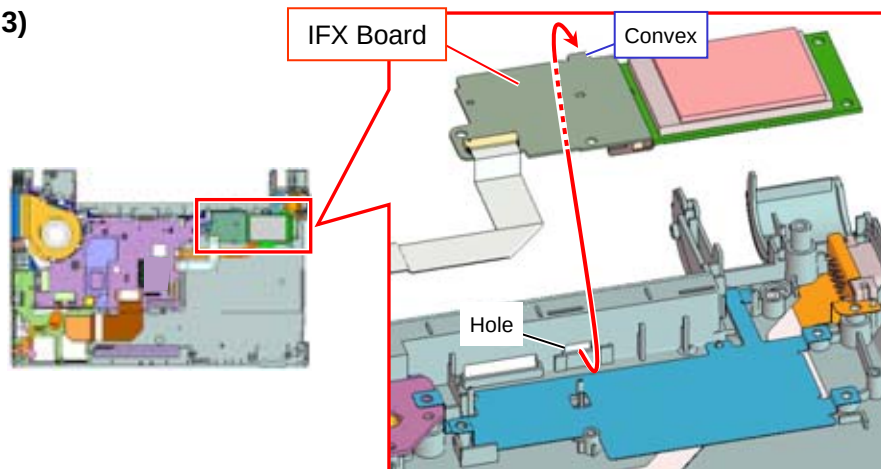
Disconnect the FFC (one place).

2)



Remove the three screws.

3)

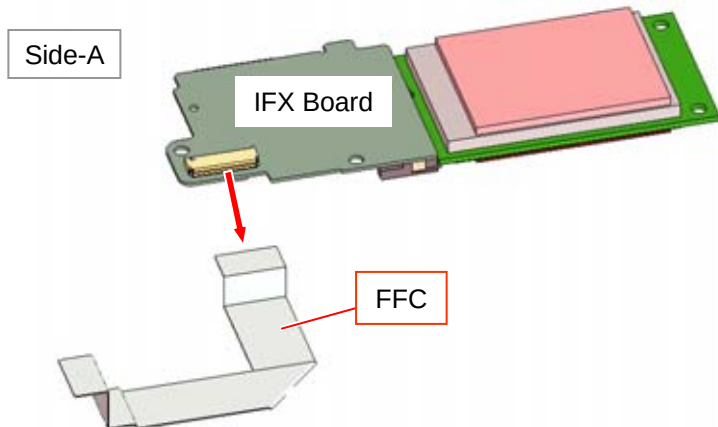


Remove the IFX Board while releasing the convex part from the hole.

Parts of the IFX-546 Board, Card (Mini)

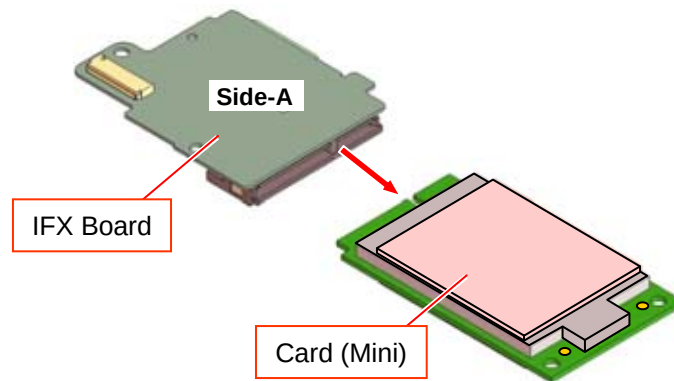
WAN Model

1)



Disconnect the FFC (one place).

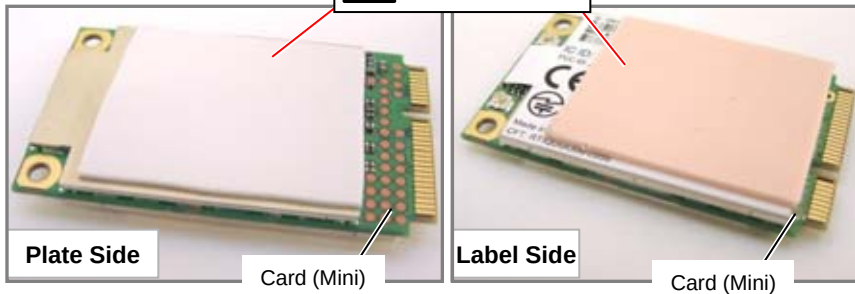
2)



Remove the Card.

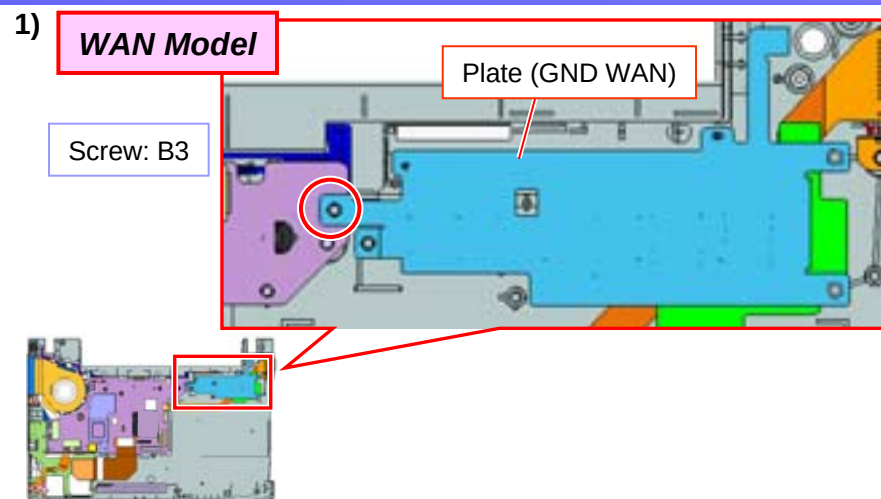
Remark

Thermal Sheet (WAN A)

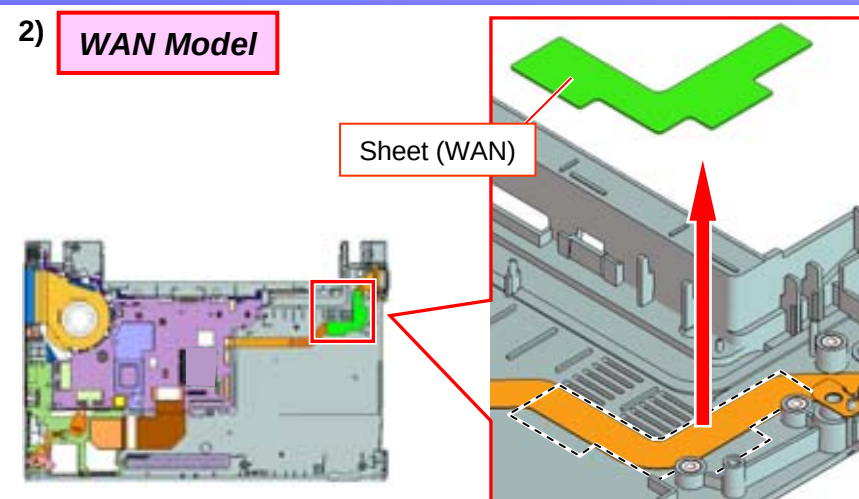
 **Non-reusable**


The Thermal Sheets (two places) are attached.

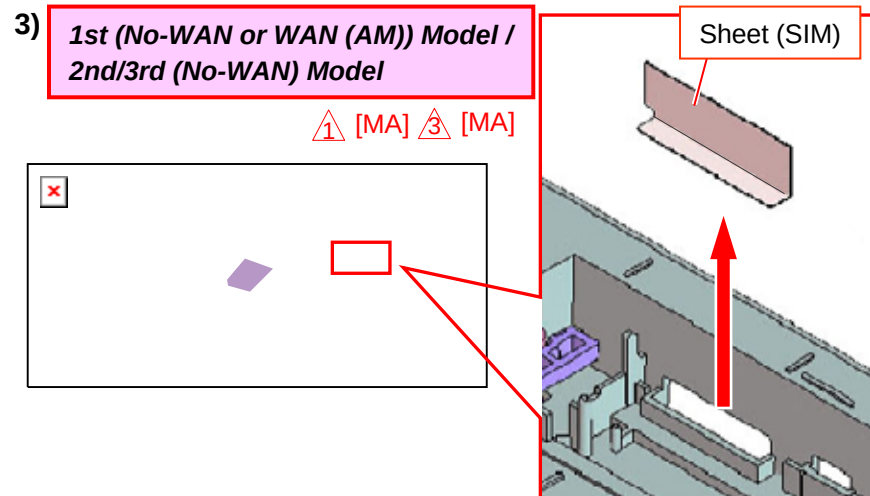
Plate (GND WAN), Sheet (WAN / SIM)



Remove the one screw and remove the Plate.



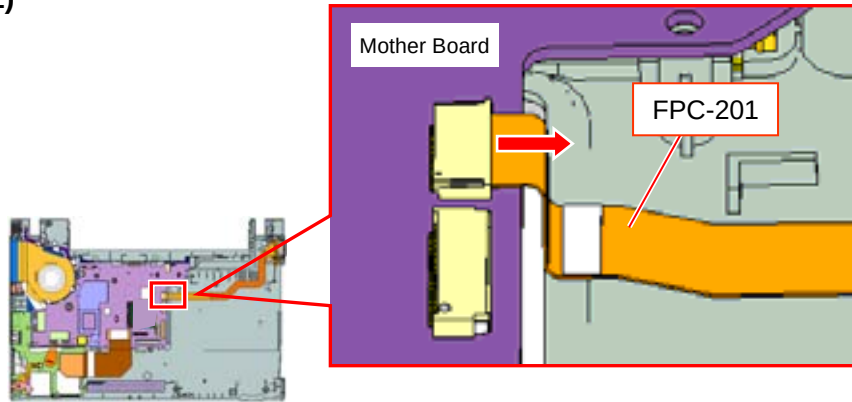
Peel off the Sheet (one place).



Peel off the Sheet (one place).

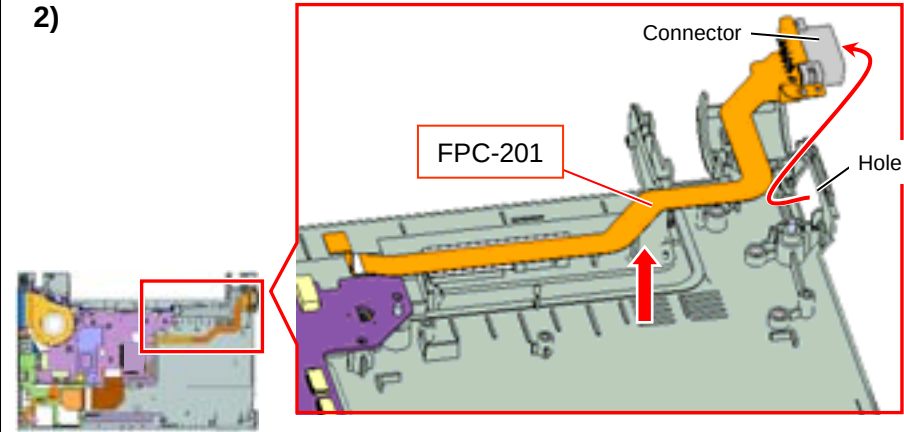
FPC-201

1)



Disconnect the FPC.

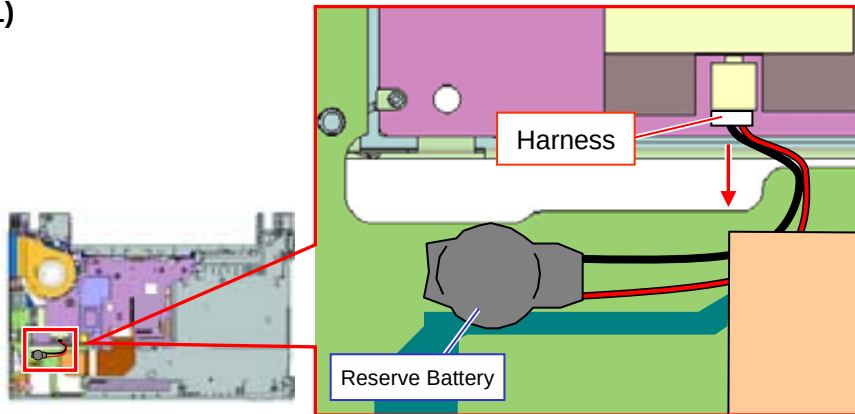
2)



Remove the FPC while releasing the connector part from the hole.

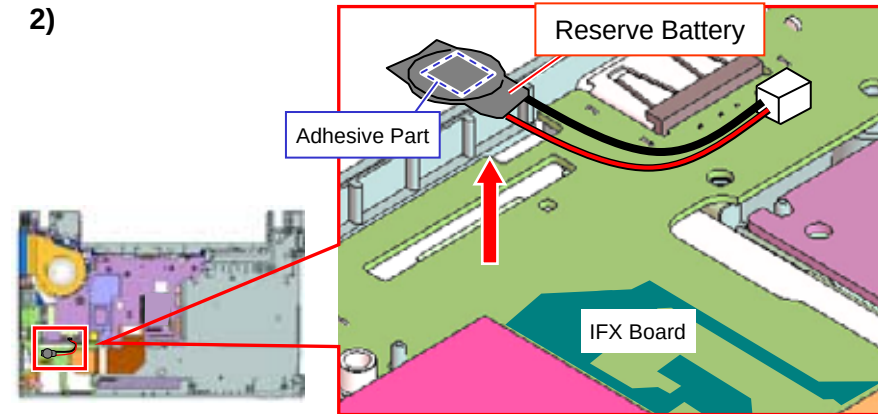
Reserve Battery

1)



Disconnect the Harness (one place).

2)

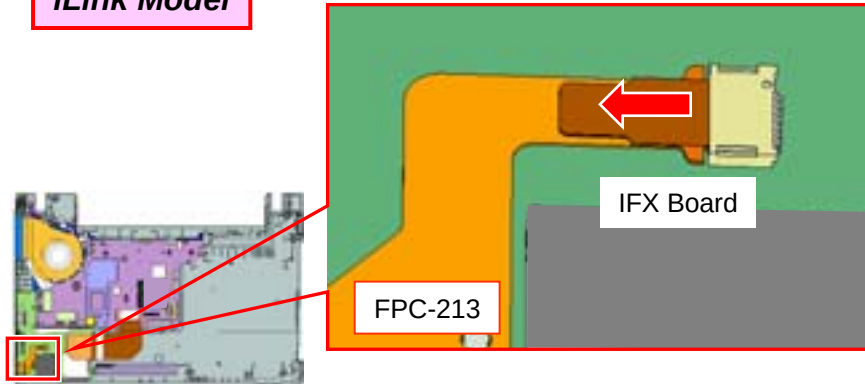


Remove the Reserve Battery.

**It is secured with a piece of adhesive tape.*

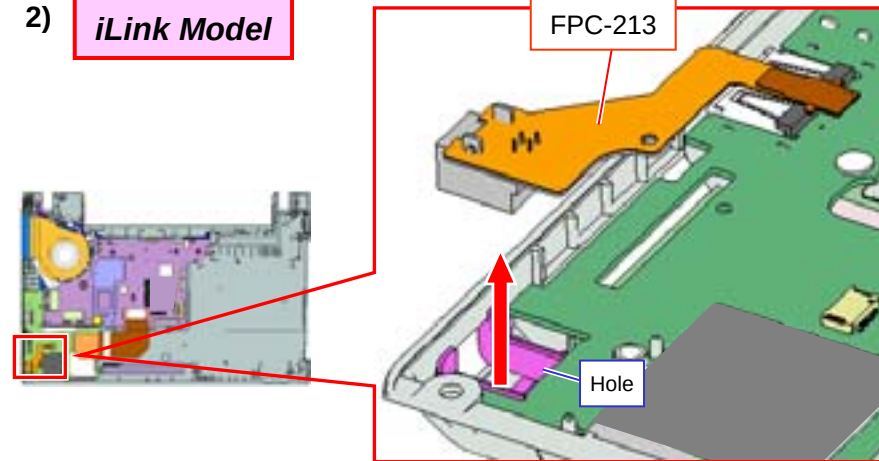
IFX-545 Board -1

1) iLink Model



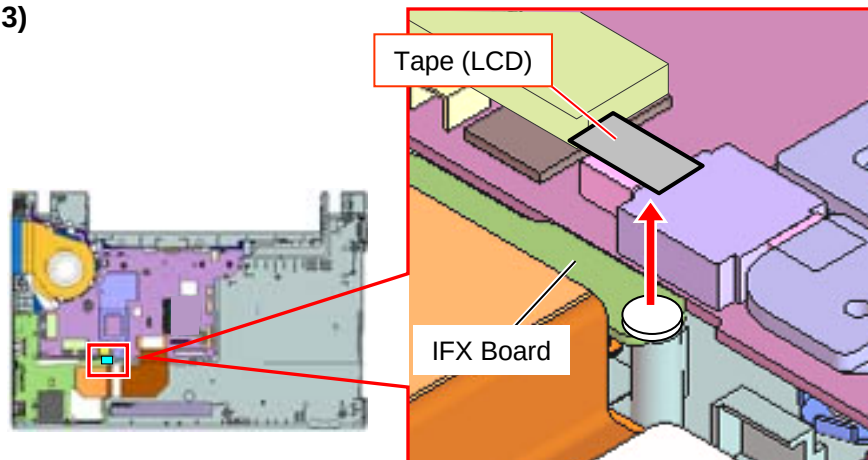
Disconnect the FPC (one place).

2) iLink Model



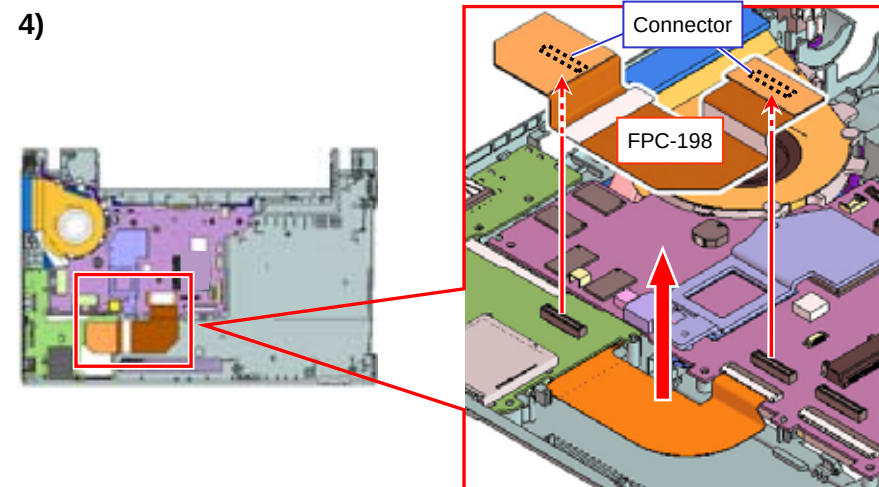
Remove the FPC (one place).

3)



Peel off the Tape (one place).

4)

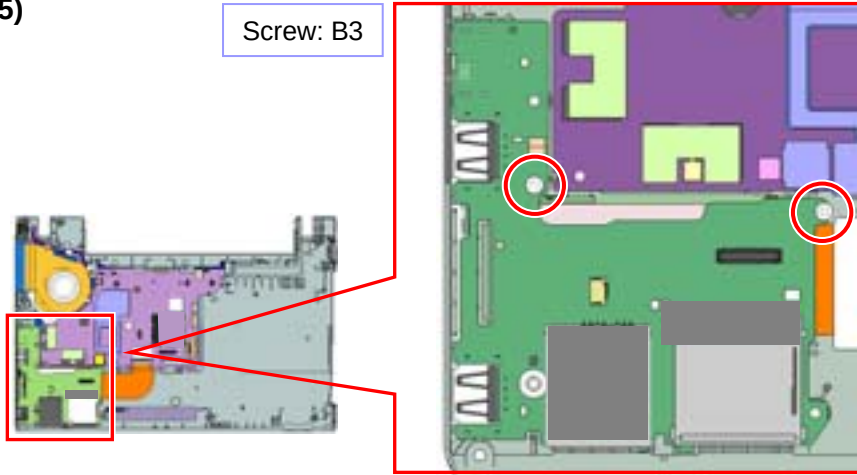


Disconnect the connectors (two places) vertically, and remove the FPC.

IFX-545 Board -2

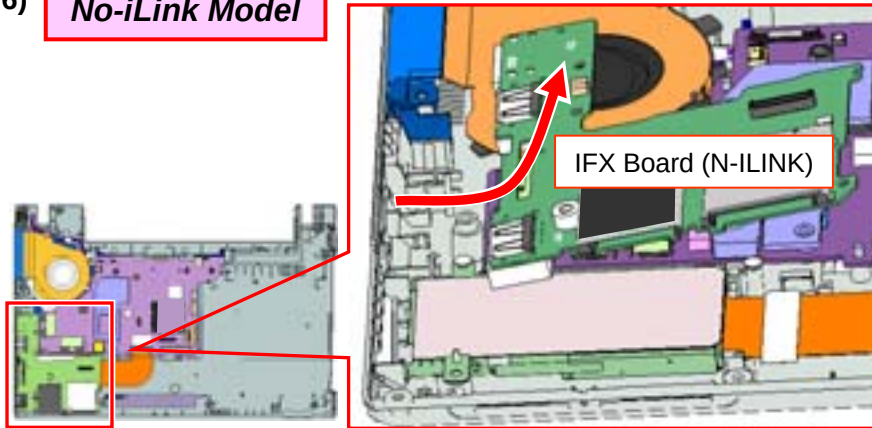
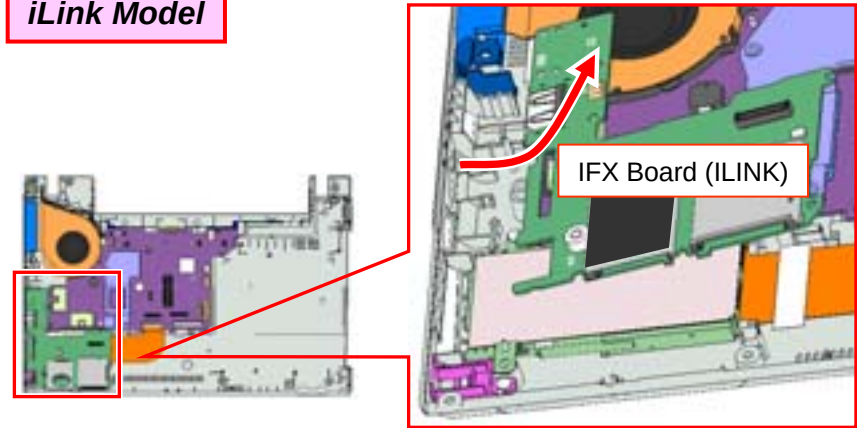
5)

Screw: B3



Remove the two screws.

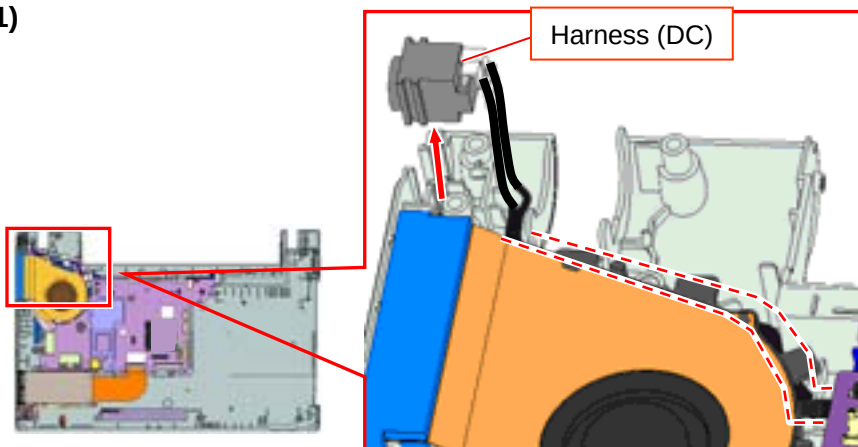
6)

No-iLink Model**iLink Model**

Remove the IFX Board in the direction of the arrow.

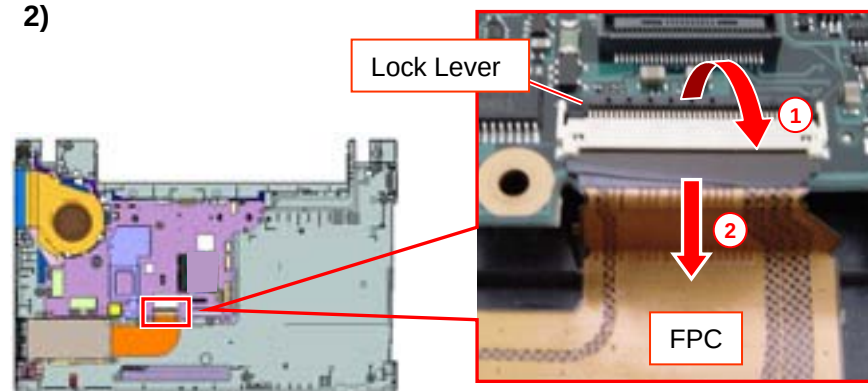
Mother Board -1

1)



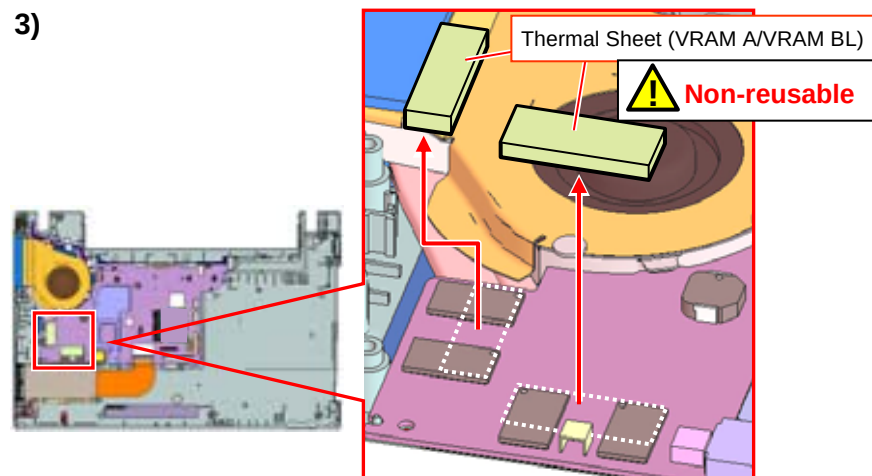
Lift the Harness to release it.

2)



Raise the lock lever (one place) to release the lock (arrow 1), and disconnect the FPC (one place) (arrow 2).

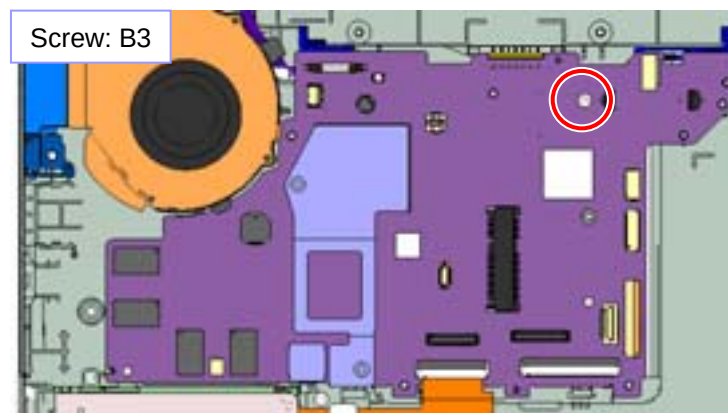
3)



Peel off the Thermal Sheets (two places).

*Normal KB Model --- Thermal Sheet (VRAM A) /
Backlight KB Model --- Thermal Sheet (VRAM BL)

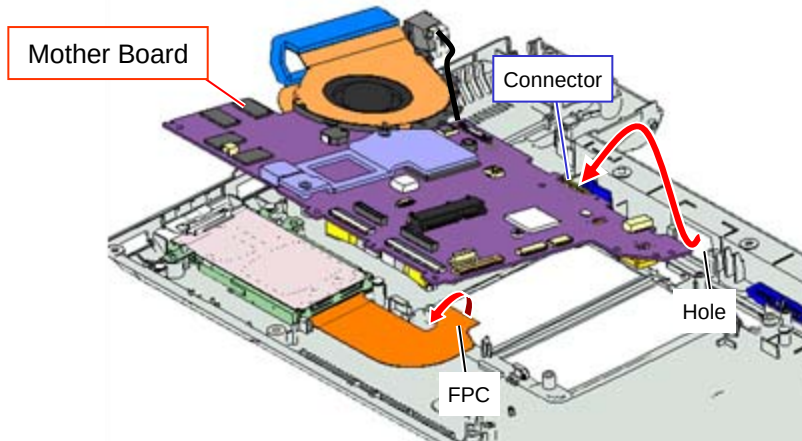
4)



Remove the screw.

Mother Board -2

5)



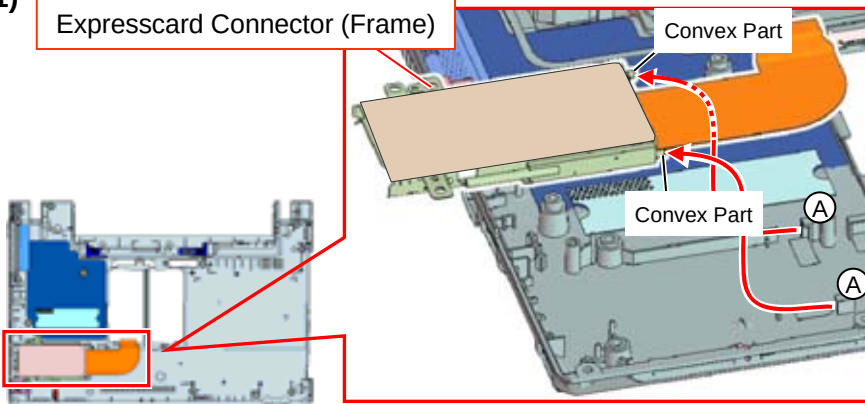
Remove the Mother Board while releasing the connector from the hole.

* While turning FPC (one place) toward the front side, remove it.

Expresscard Connector (Frame)

1)

Expresscard Connector (Frame)

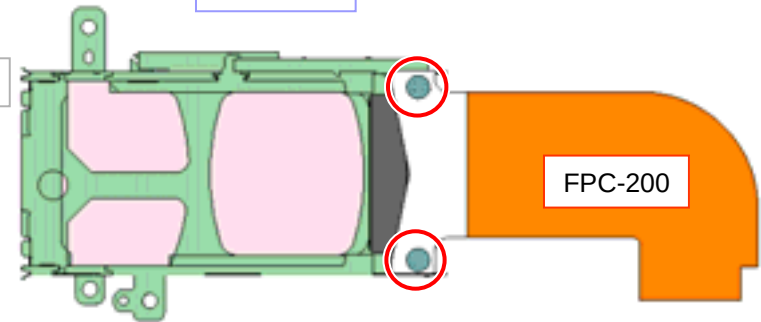


Remove the Expresscard Connector while releasing the convex parts (two places) from the A parts (two places).

2)

Screw: B2

Bottom



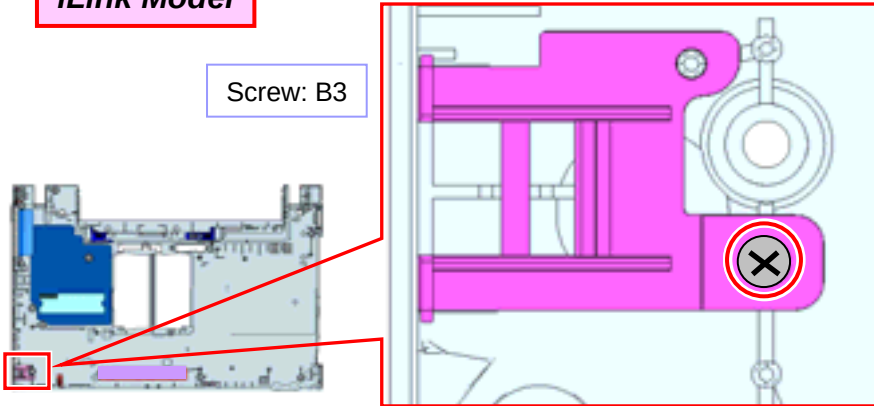
Remove the two screws and remove the FPC.

Cover (I Link)

1)

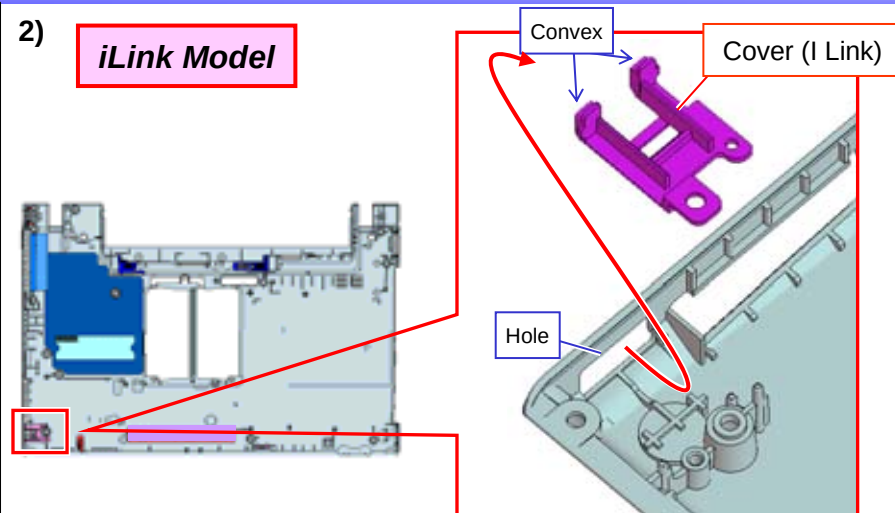
iLink Model

Screw: B3



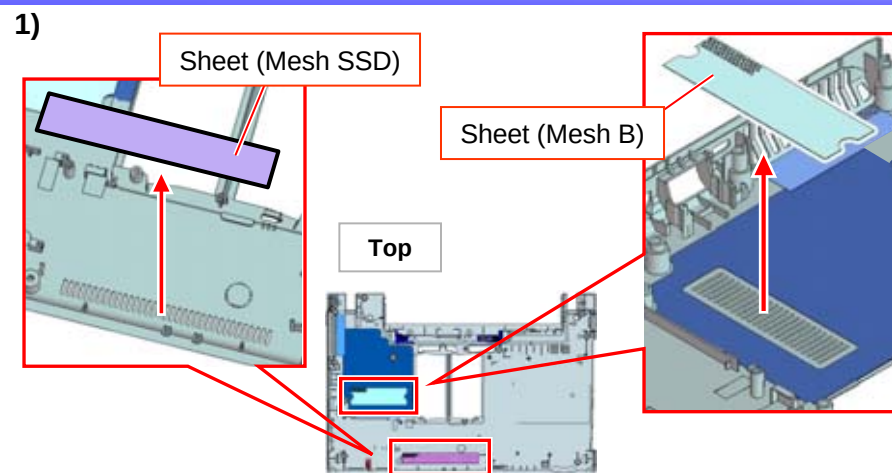
Remove the screw.

2)

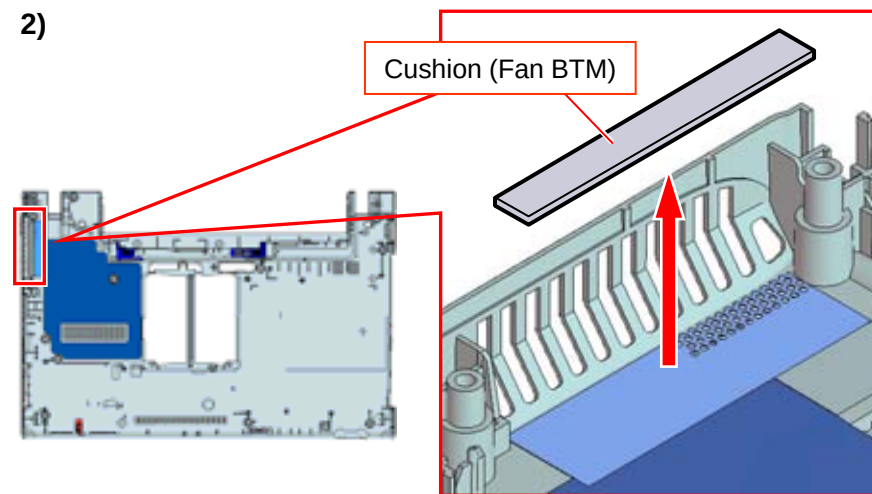
iLink Model

Release the convex parts (two places) from the hole (one place), and remove the Cover.

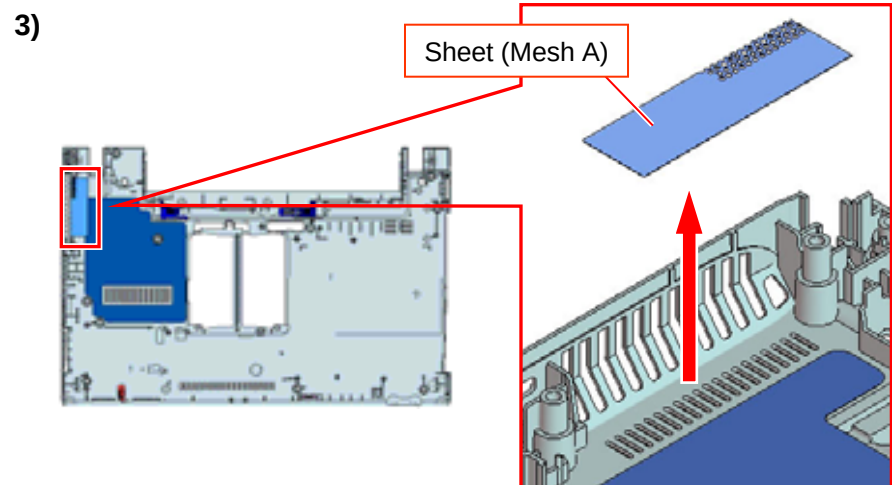
Parts of the Housing (Bottom) -1



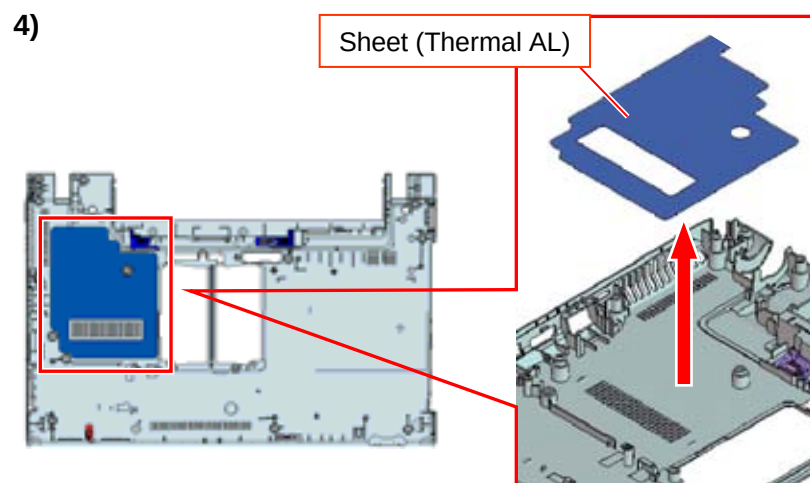
Peel off the Sheets (two places).



Peel off the Cushion (one place).



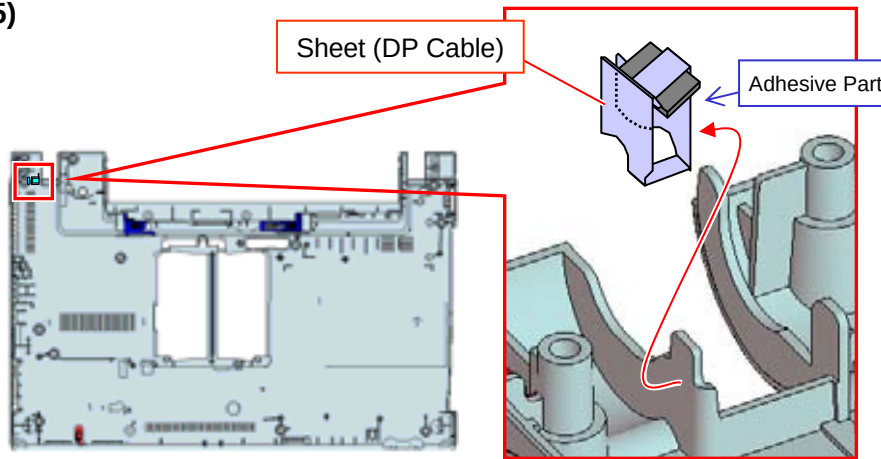
Peel off the Sheet (one place).



Peel off the Sheet (one place).

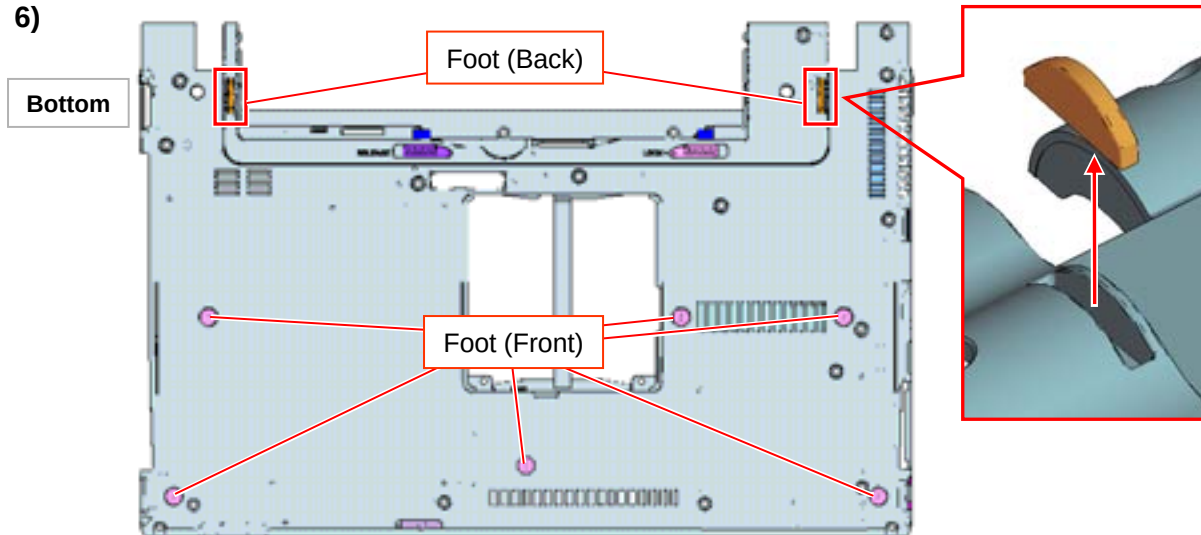
Parts of the Housing (Bottom) -2

5)



Peel off the Sheet (one place).

6)



Peel off the Feet (eight places).

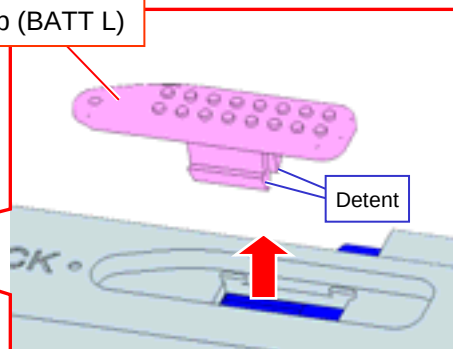
Parts of the Housing (Bottom) -3

7)

Knob (BATT L)

Bottom

Detent



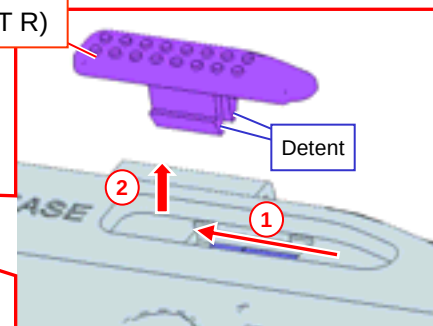
Disengage the detents (two places) and remove the Knob (one place).

8)

Knob (BATT R)

Bottom

Detent

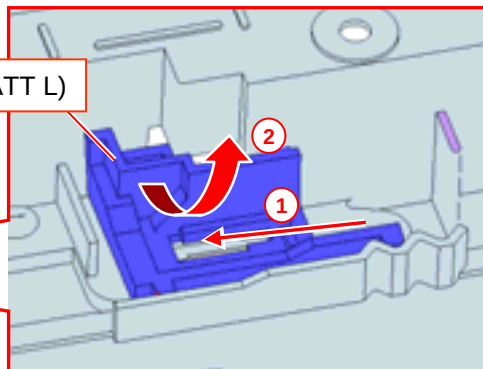
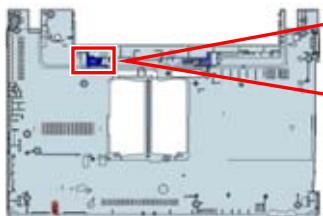


Slide the Knob (one place) to the left side, disengage the detents (two places) and remove the Knob (one place).

9)

Latch (BATT L)

Top

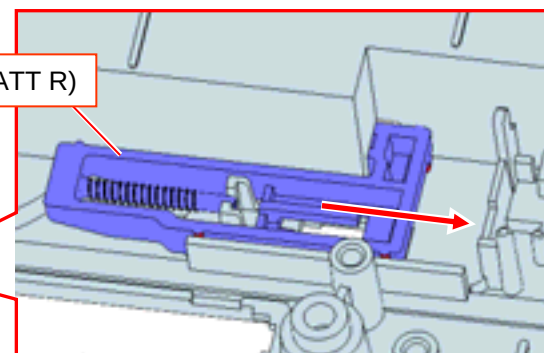


Slide the Latch (one place) to the left side, and remove it from the front side of it.

10)

Latch (BATT R)

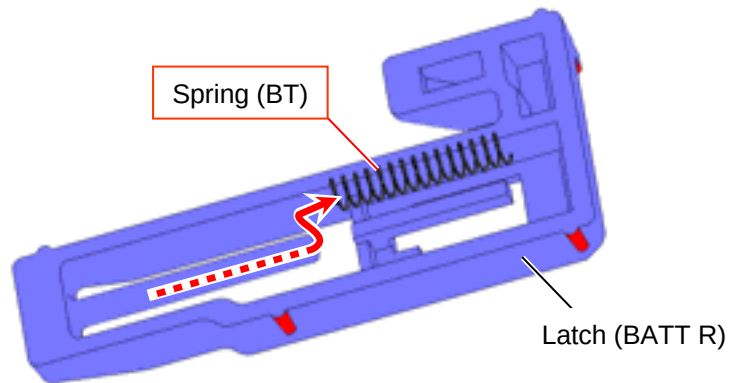
Top



Slide the Latch (one place) to the right side, and lift it to remove.

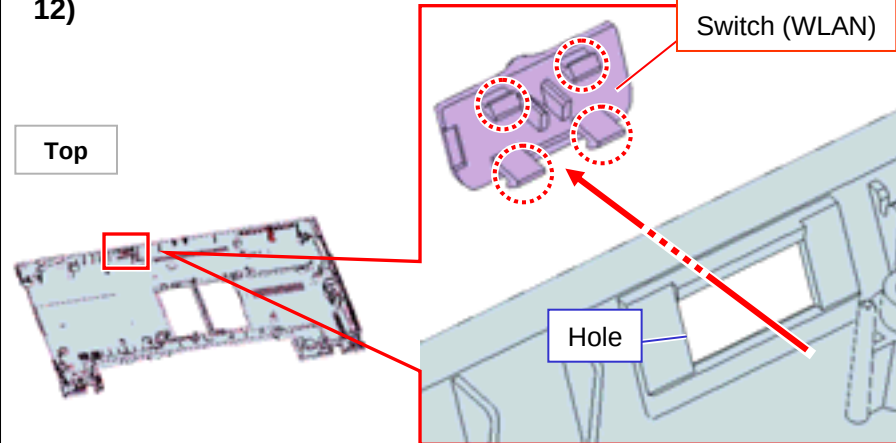
Parts of the Housing (Bottom) -4

11)



Remove the Spring.

12)



Disengage the detents (four places) and remove the Switch from the hole.

Update History

[ADD]---Addition [DEL]---Deletion [CHG]---Change [COR]---Correction [MA]---Model Addition

Date		Contents	Version No.
2010.05.12		[MA] [ADD] Remark [COR] Point	2.00
2010.09.08		[MA] (Page 8, 23, 25, 26, 27, 28, 29, 34)	3.00

Chapter 1. Disassembly & Assembly Guide

1-3. Disassembly & Assembly

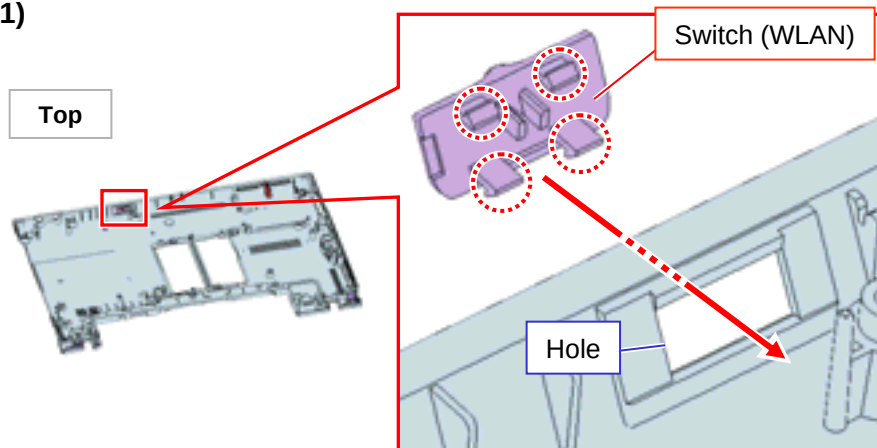
- Main Section -

MS-1 Main Section Assembly

Note: For the attached articles, check the position attached to the parts before replacing, and attach them to the same position.

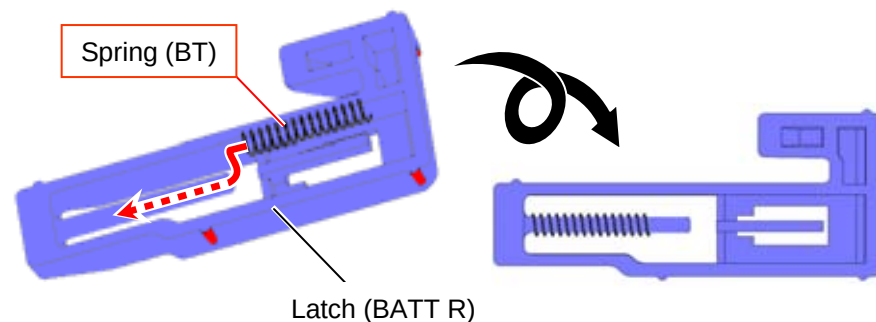
Parts of the Housing (Bottom) -1

1)



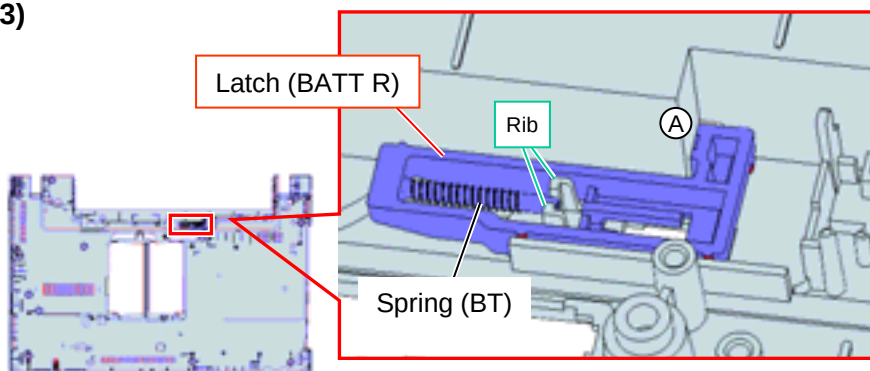
Fit the detents (four places) into the hole, and install the Switch by engaging the four detents.

2)



Install the Spring.

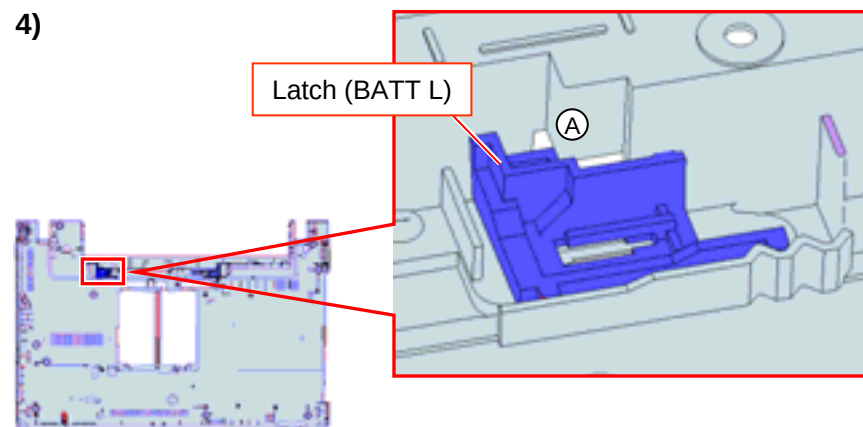
3)



Install the Latch (one place) by fitting it to the shape of the installation position while fitting the Latch under the A part.

* Install it so that the Spring is placed on the left side of the ribs (two places).

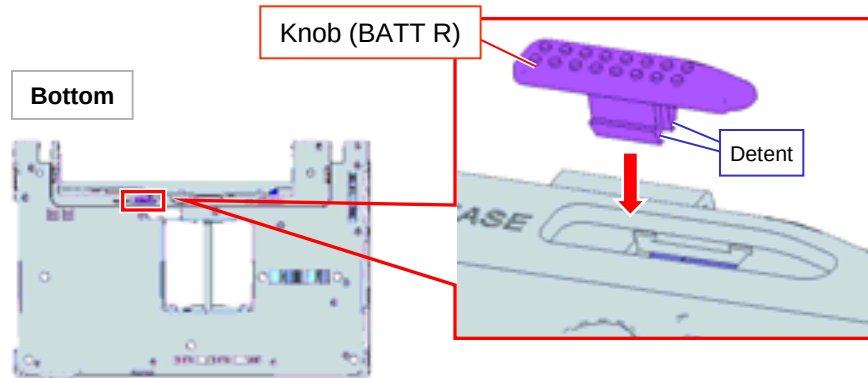
4)



Install the Latch (one place) while fitting it under the A part.

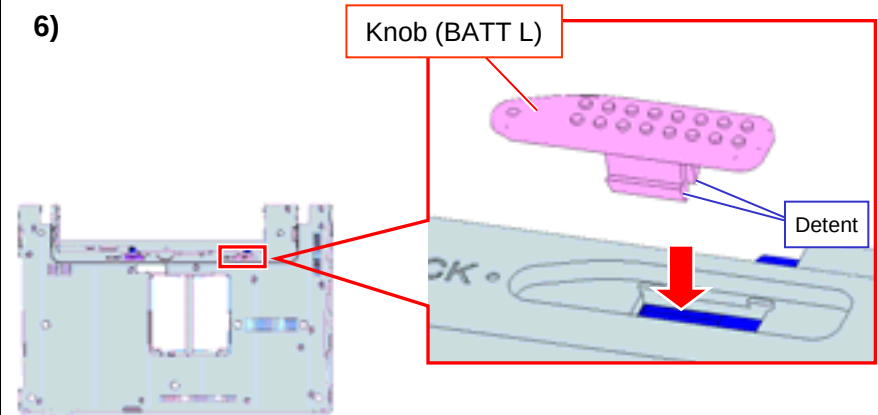
Parts of the Housing (Bottom) -2

5)



Install the Knob (one place), and engage the detents (two places).

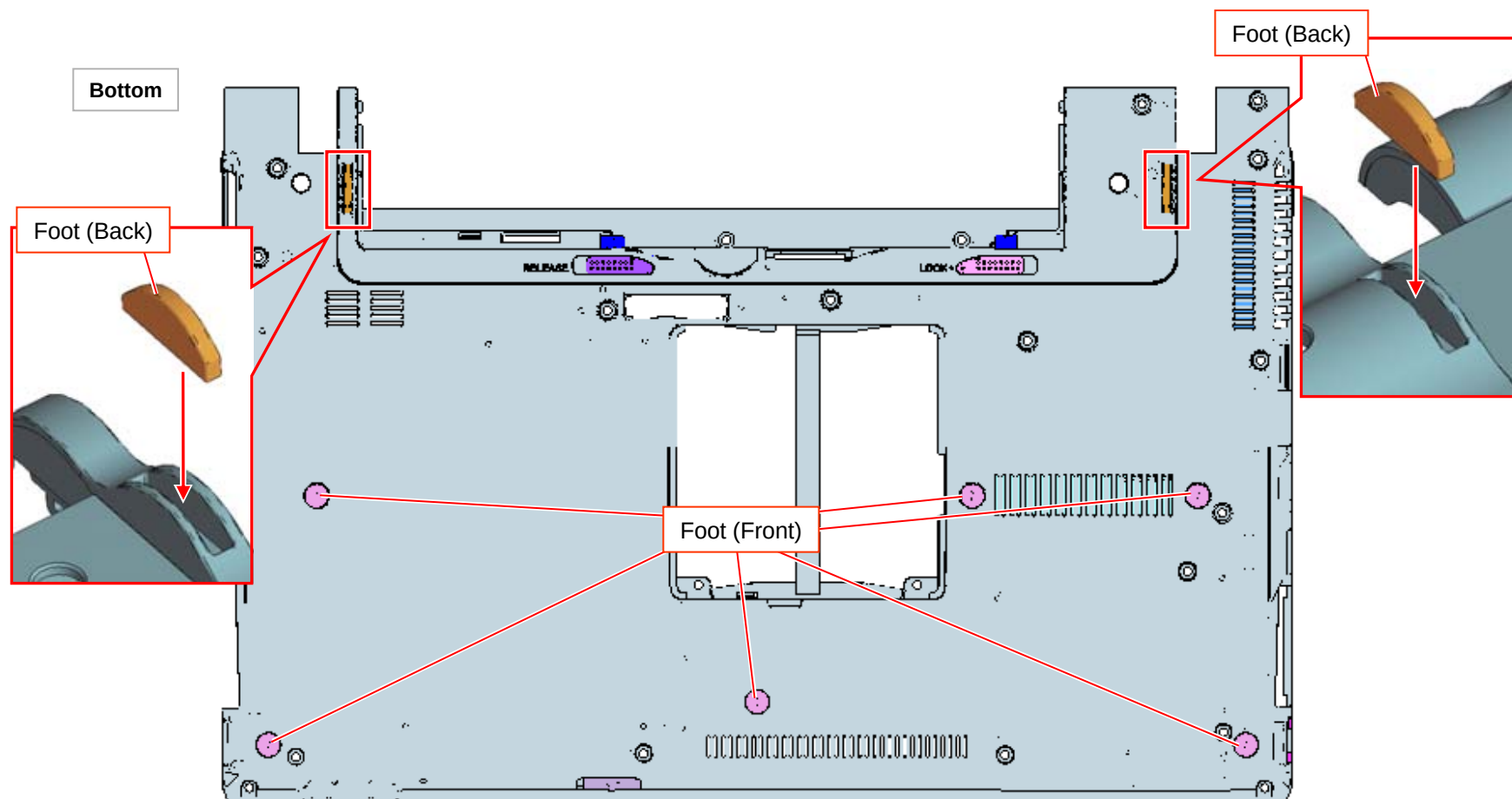
6)



Install the Knob (one place), and engage the detents (two places).

Parts of the Housing (Bottom) -3

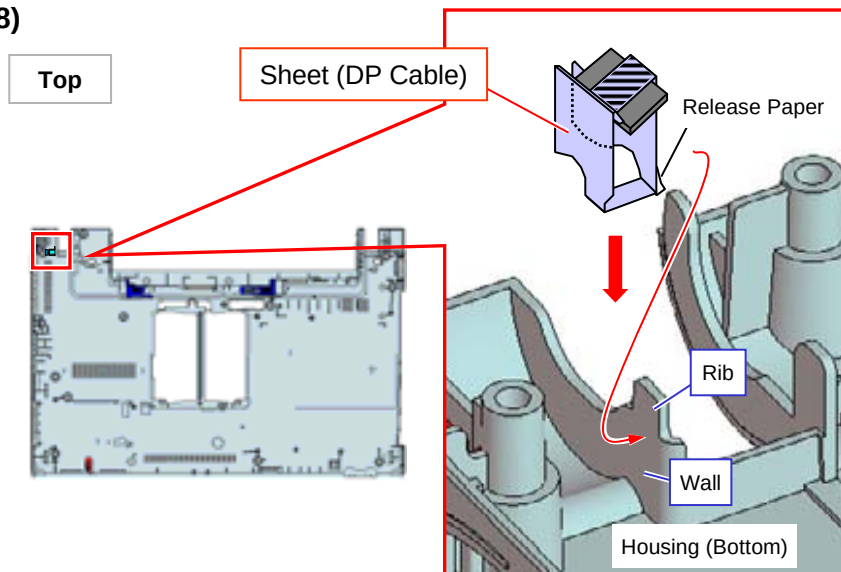
7)



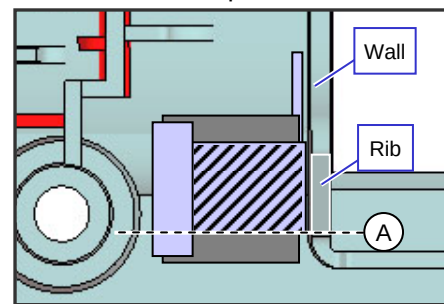
Attach the Feet (eight places).

Parts of the Housing (Bottom) -4

8)



<View from the Top>

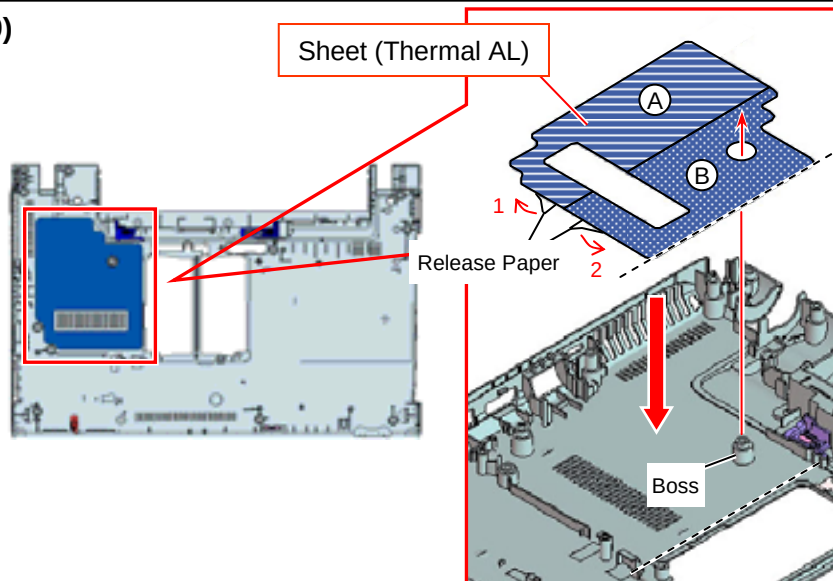


Attach the Sheet (one place) according to the following procedure.

1. Peel off a piece of release paper.
2. Fit the adhesive part to the wall, apply the bottom of the Sheet to the Housing (Bottom) and attach the Sheet.

* Make sure that the shaded area does not protrude from the A side.

9)

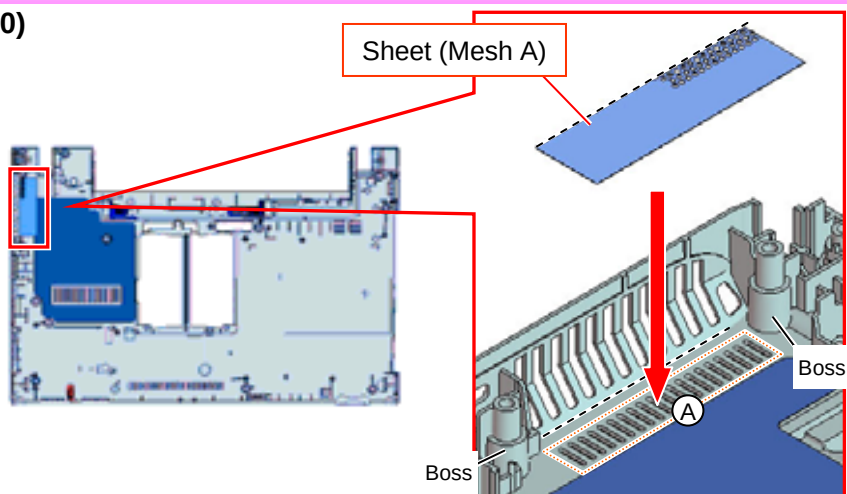


Attach the Sheet (one place) while aligning it with the boss (one place) and fitting it to the shape of the installation position according to the following procedure.

1. Peel off a piece of release paper from bottom of the A part and attach the A part.
2. Raise the B part and peel off a piece of release paper from the bottom of the B part and attach the B part.

Parts of the Housing (Bottom) -5

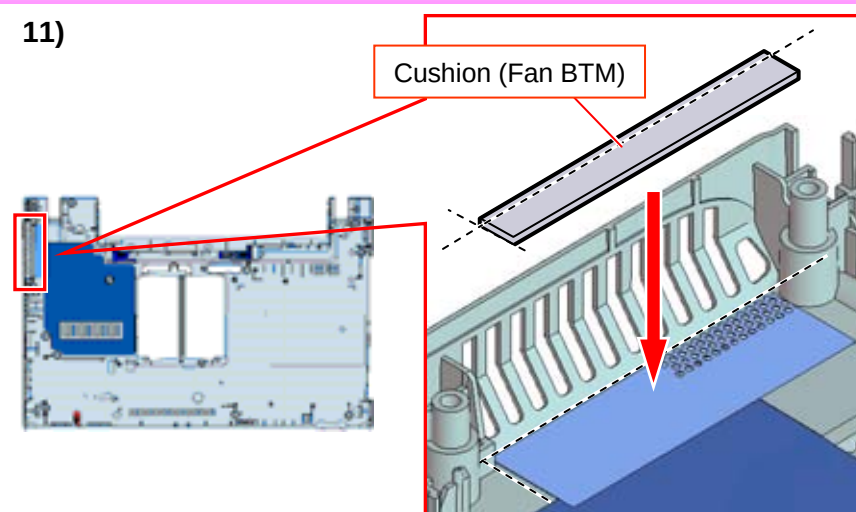
10)



Attach the Sheet (one place) between the boss (two places).

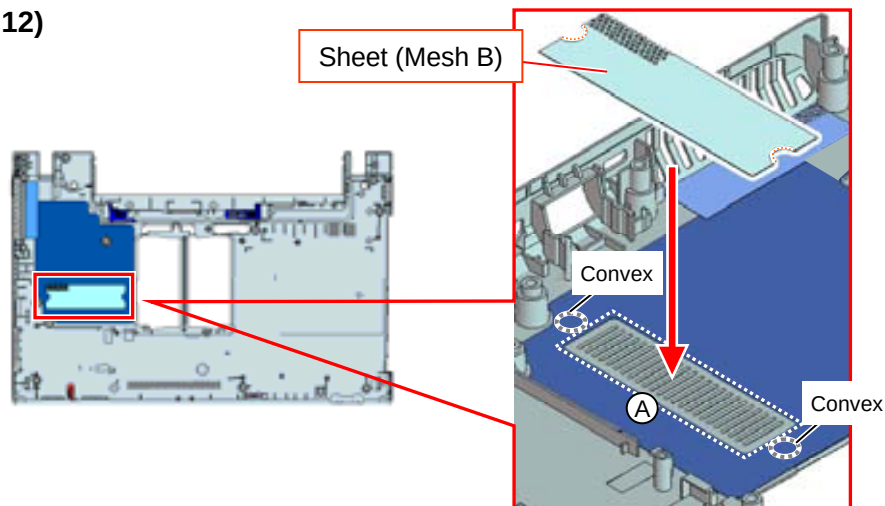
* Attach it by covering the A part.

11)



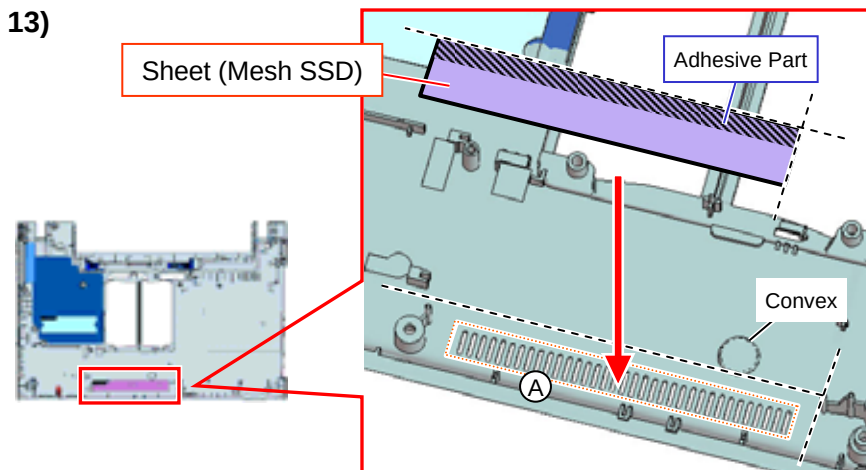
Attach the Cushion (one place).

12)



Attach the Sheet (one place) while aligning the shape of it with the two convex parts.

13)

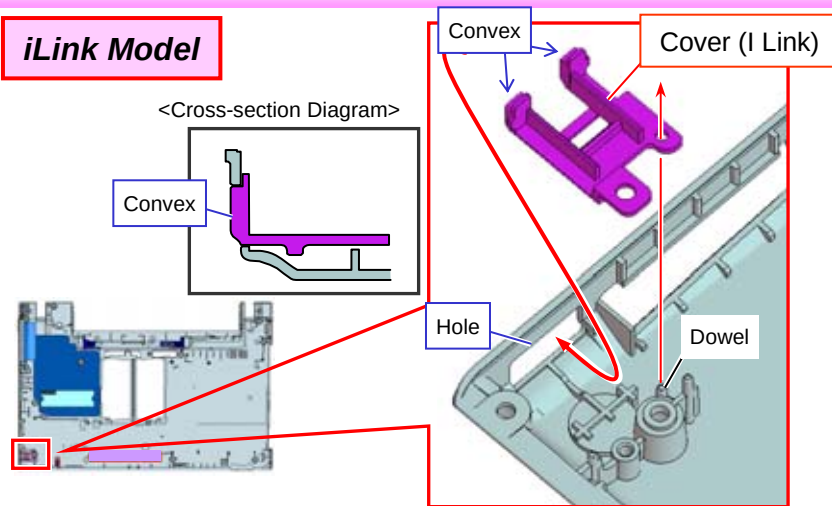


Attach the Sheet (one place) by covering the A part.

* Place the adhesive part toward the side of the convex.

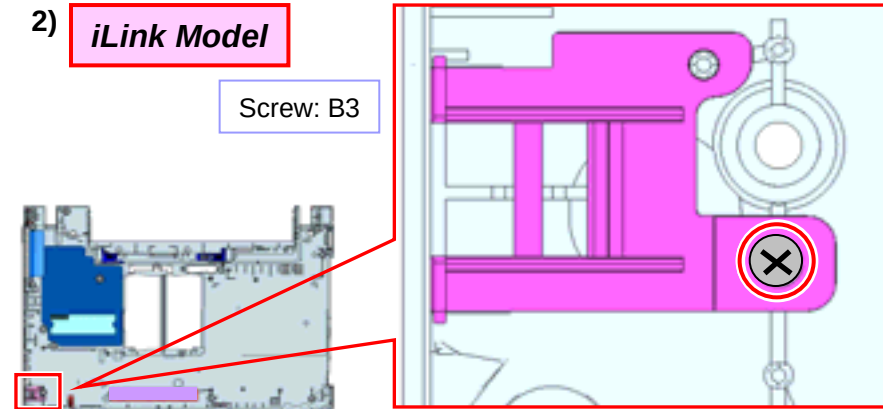
Cover (I Link)

1)

iLink Model

Fit the convex parts (two places) into the hole (one place), and install the Cover while aligning it with the dowel (one place).

2)

iLink Model

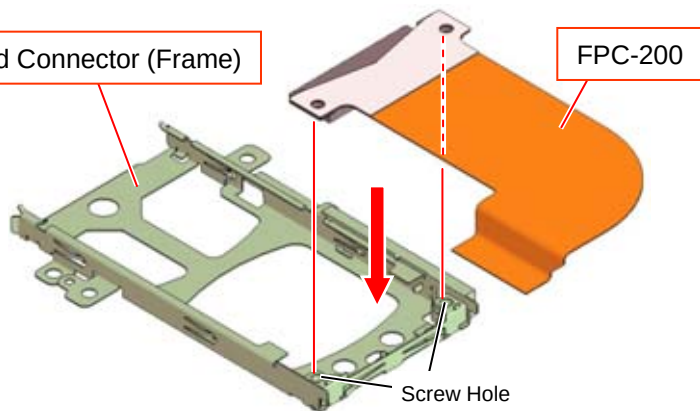
Tighten the screw.

Expresscard Connector (Frame) -1

1)

Expresscard Connector (Frame)

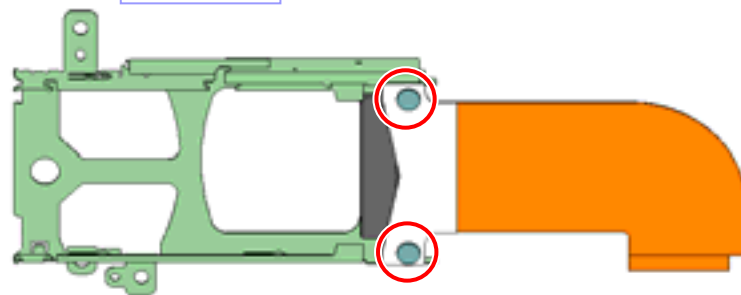
FPC-200



Install the FPC (one place) while aligning it with the screw holes (two places).

2)

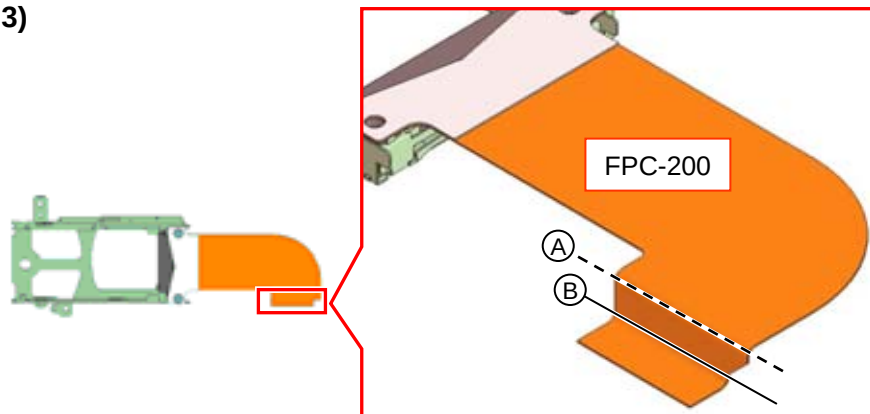
Screw: B2



Tighten the two screws.

3)

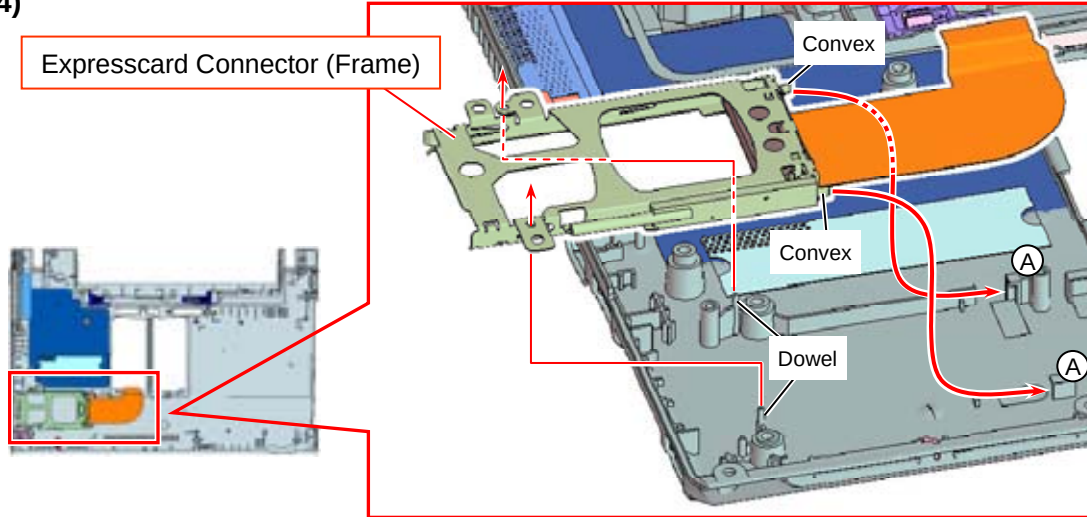
FPC-200



Make mountain fold along the A line (one place), and make valley fold along the B line (one place) to make creases.

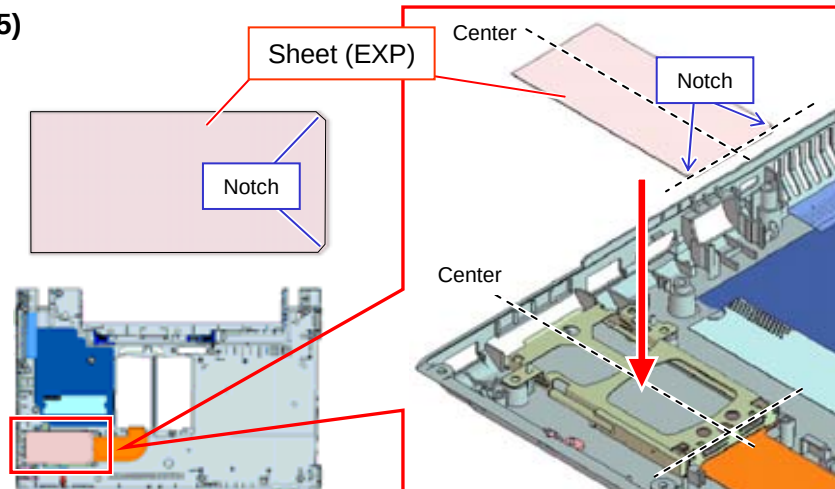
Expresscard Connector (Frame) -2

4)



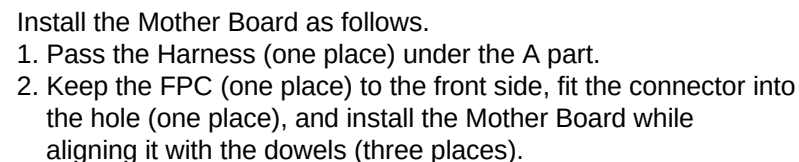
Fit the convex parts (two places) into the A parts (two places), and install the Expresscard Connector while aligning it with the dowels (two places).

5)

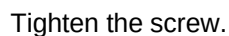


Attach the Sheet (one place).

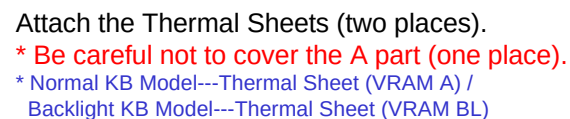
1)



2)

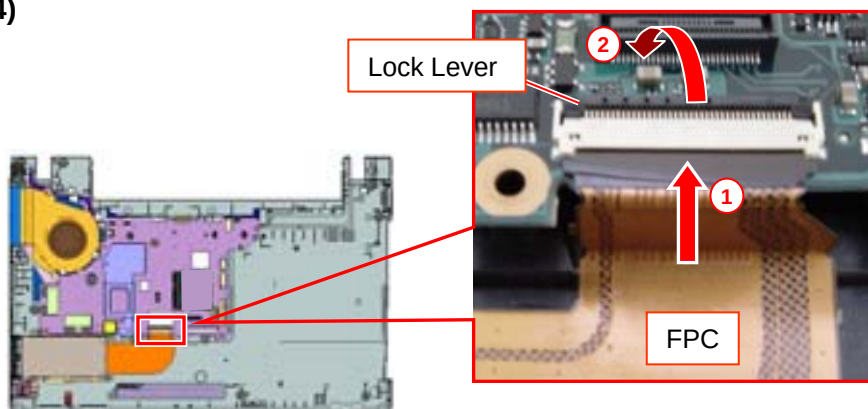


3)



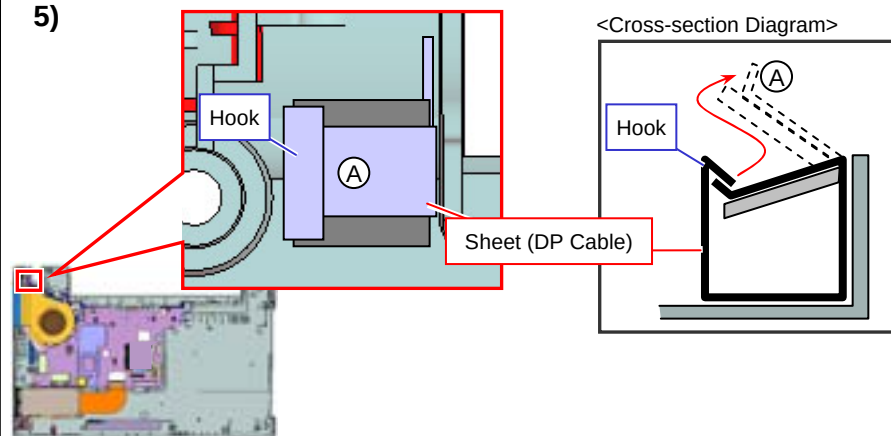
Mother Board -2

4)



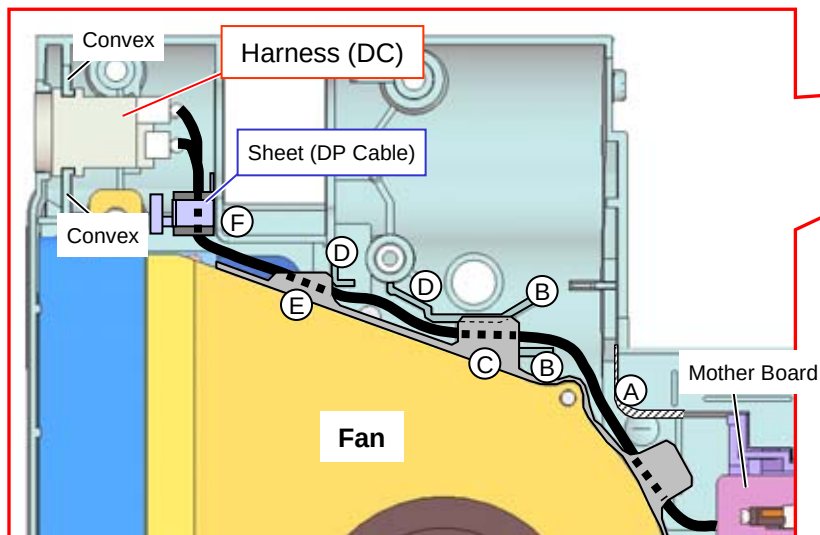
Connect the FPC (arrow 1), and rotate down the lock lever to lock (arrow 2).

5)



Release the A part from the hook to release the lock of the Sheet.

6)

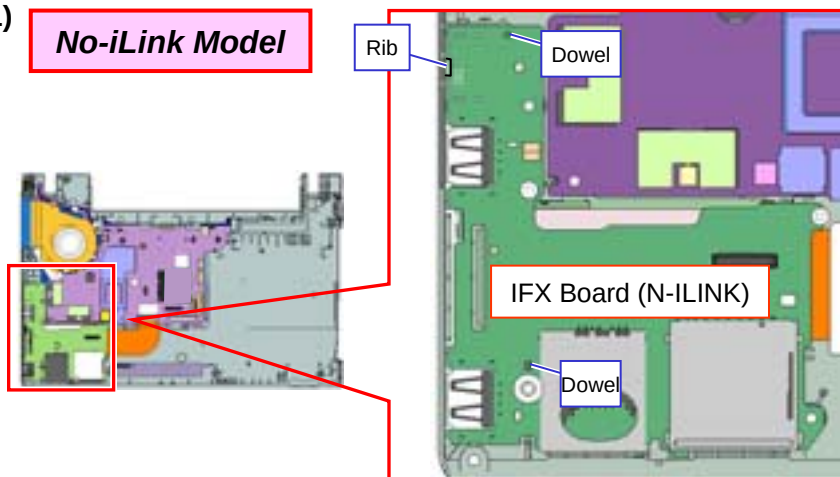
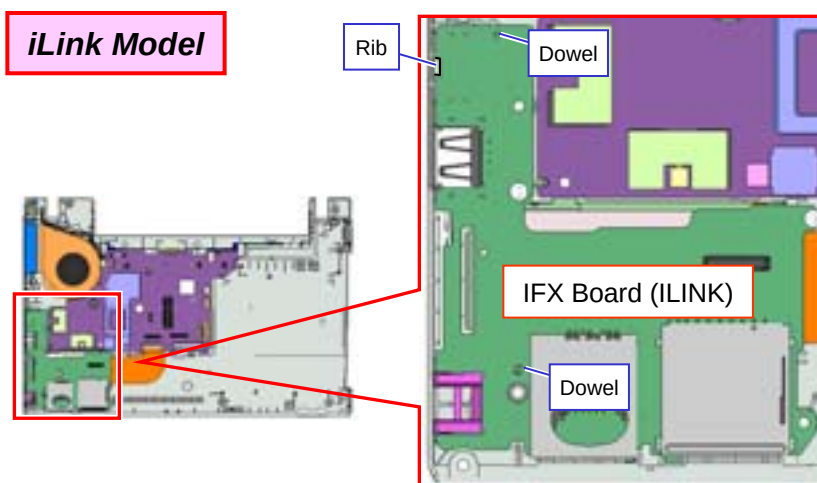


Wire the Harness (one place) as follows.

1. Pass it in between the wall A and the Fan.
2. Pass it in between the two ribs B, and pass it under the C part.
3. Pass it in between the two ribs D and the Fan, and pass it under the E part.
4. Pass it in between the wall F and the Fan.
5. Pass it on the inside of the Sheet.
6. Install the connector part of the Harness while aligning it with the two convex parts, and push it into the place.

IFX-545 Board -1

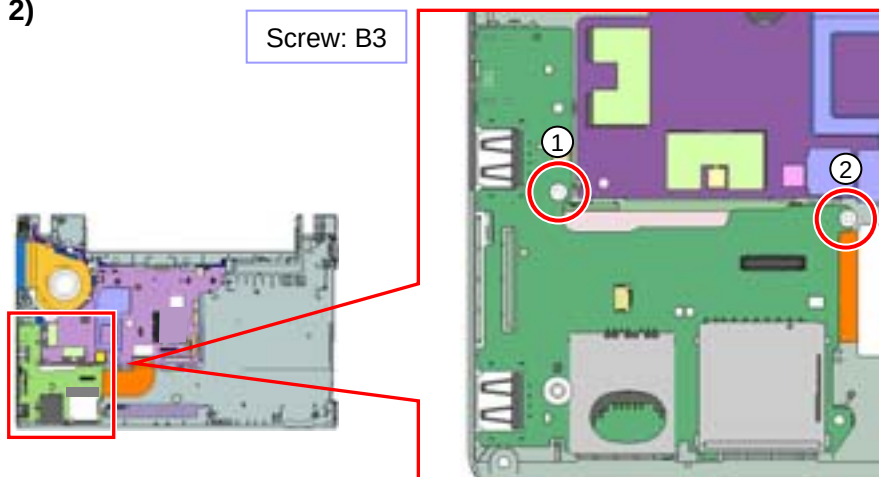
1)

No-iLink Model**iLink Model**

Fit the IFX Board under the rib (one place) and install the IFX Board while aligning it with the two dowels.

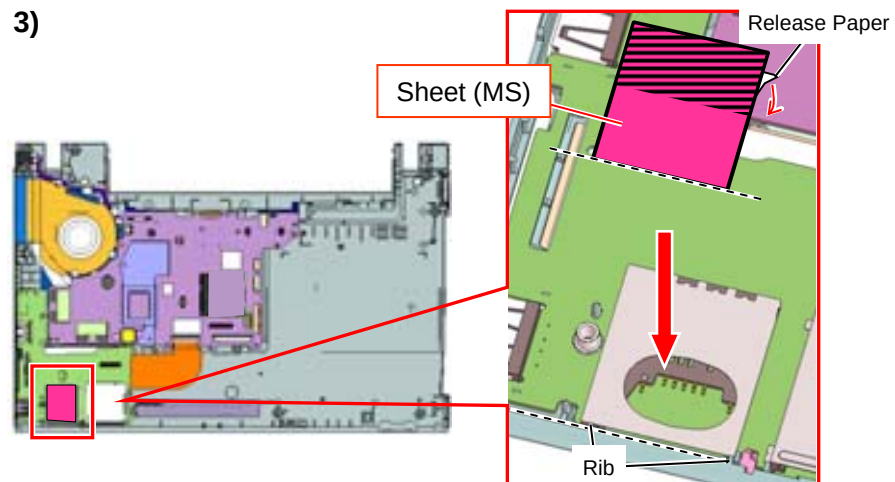
2)

Screw: B3



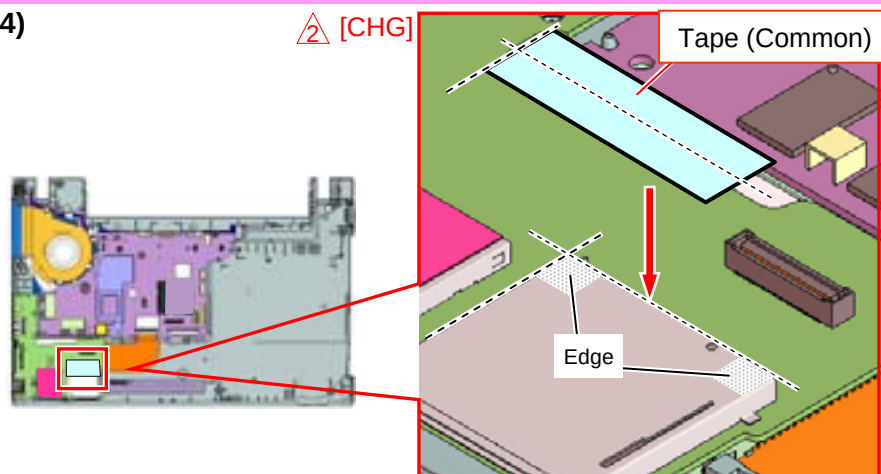
Tighten the two screws in order.

3)

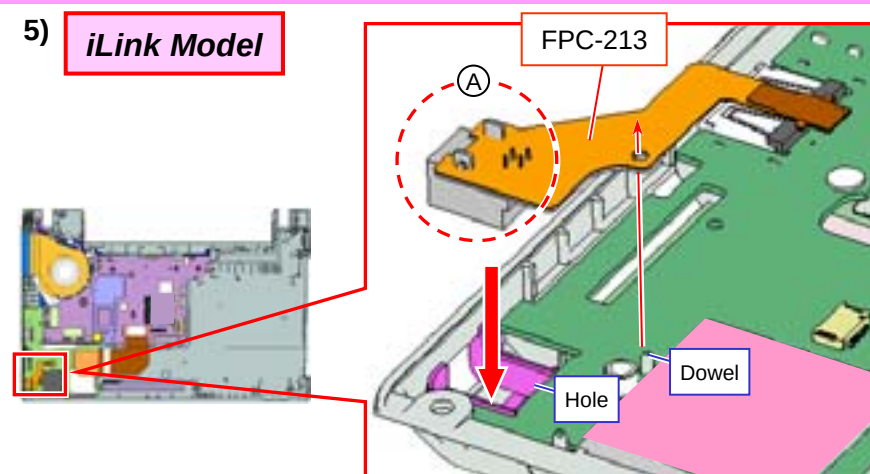


Peel off a piece of release paper from the bottom of the shaded area, and attach the Sheet (one place) in between the two ribs.

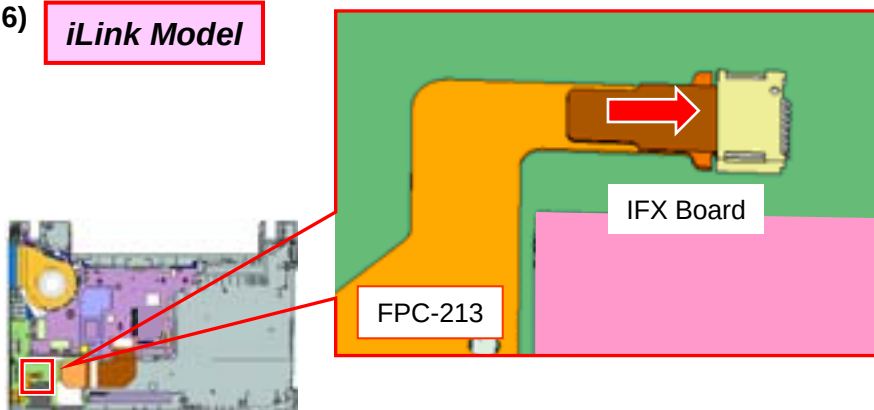
IFX-545 Board -2

4) ⚠ [CHG]

Attach the Tape (one place) by covering the edges (two places).

5) ***iLink Model***

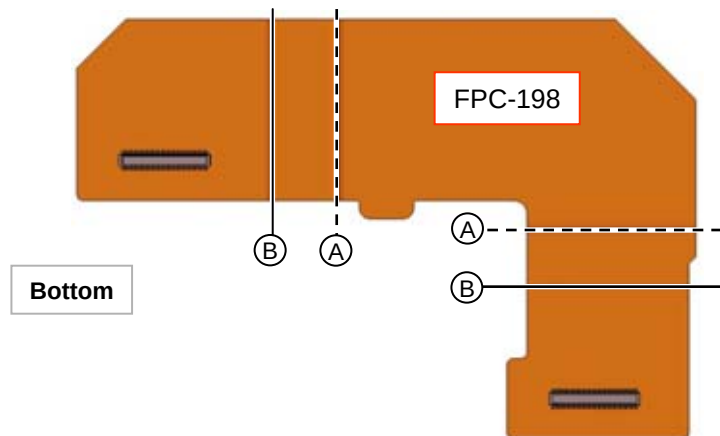
Fit the A part into the hole, and install the FPC (one place) while aligning it with the dowel (one place).

6) ***iLink Model***

Connect the FPC (one place).

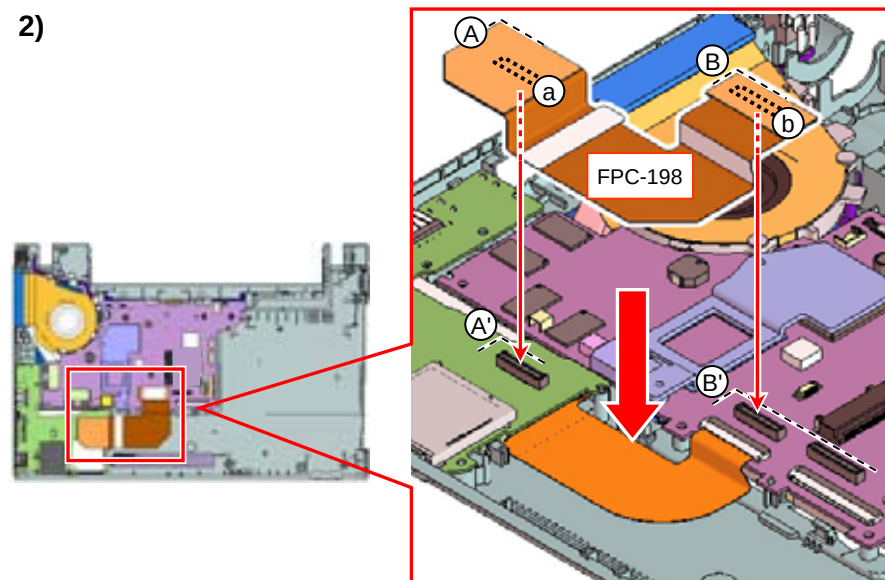
FPC-198 -1

1)

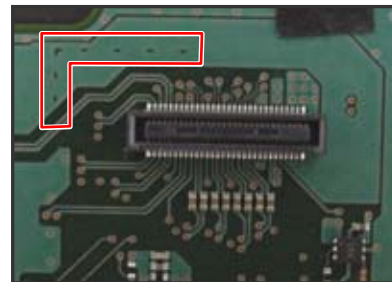


Make mountain fold along the A lines (two places) and make valley fold along the B lines (two places) to make creases.

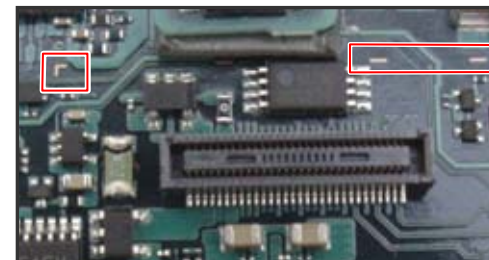
2)



<Position of A'>



<Positions of B'>



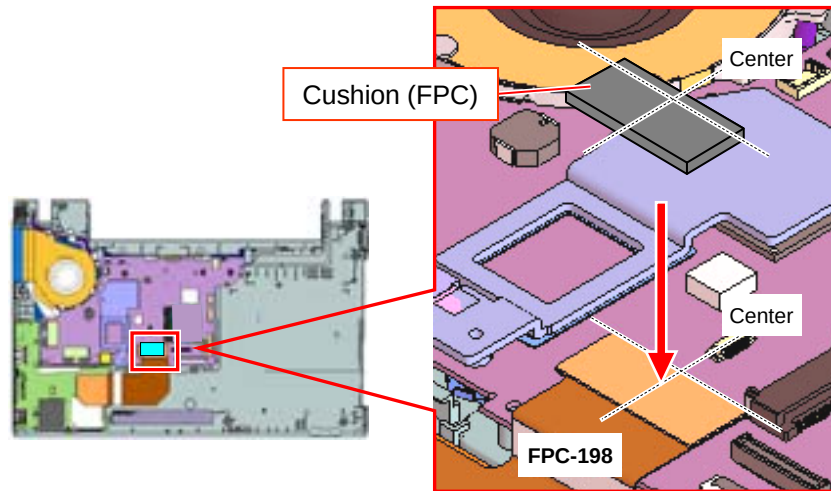
Connect the FPC according to the following procedure.

1. Align the corner A with A' part, and connect the connector.
2. Align the B part with the B' parts, and connect the connector.

* Make sure that the FPC does not rise and there is no diagonal connection.

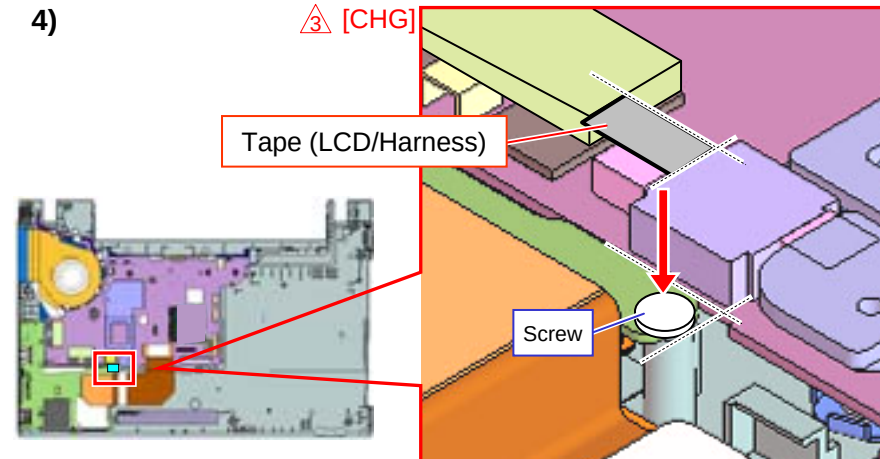
FPC-198 -2

3)



Attach the Cushion (one place).

4)

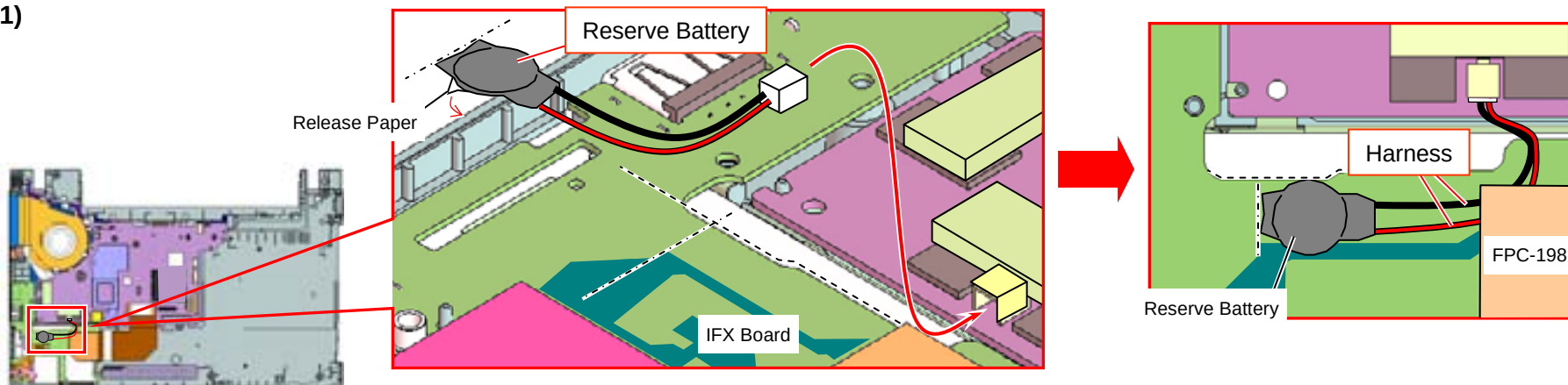


Attach the Tape (one place).

*Tape: 1st / 2nd Model --- Tape (LCD)
3rd Model --- Tape (Harness) ⚠ [MA]

Reserve Battery

1)

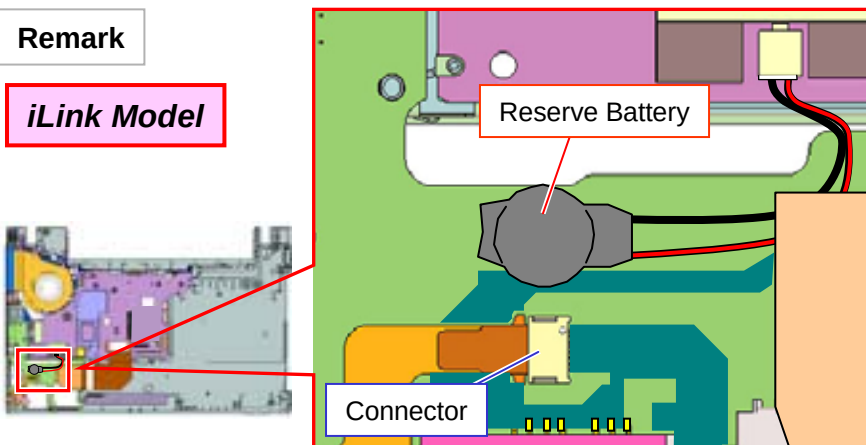


1. Peel off a piece of release paper.
2. Connect the Harness (Reserve Battery), and attach the Reserve Battery on the IFX Board.
3. Pass the Harness under the FPC.

* Refer to the Remark. (iLink Model)

Remark

iLink Model

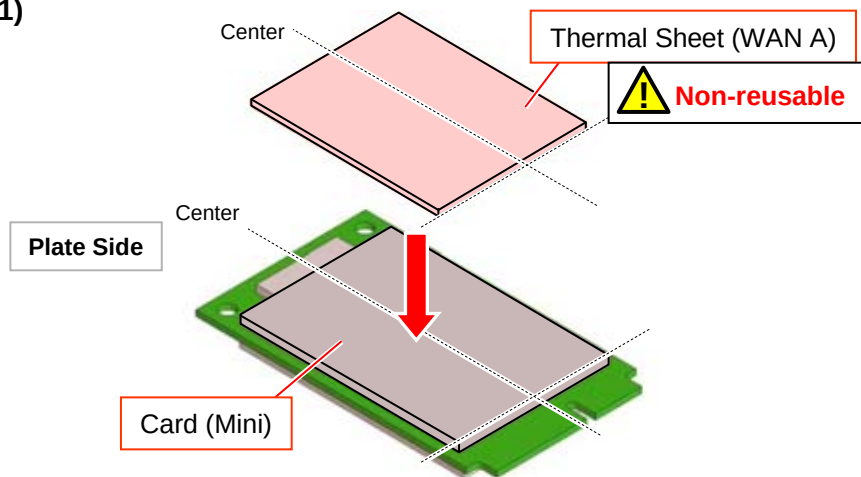


Be careful not to put it on the connector.

Card (Mini), IFX-546 Board -1

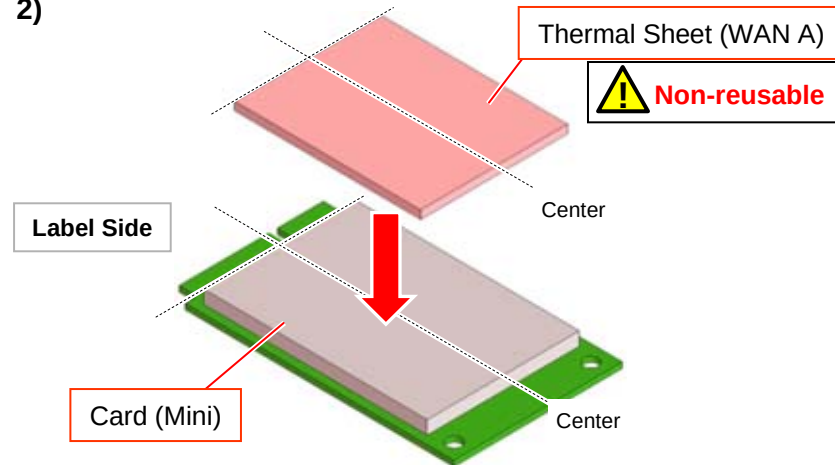
WAN Model

1)



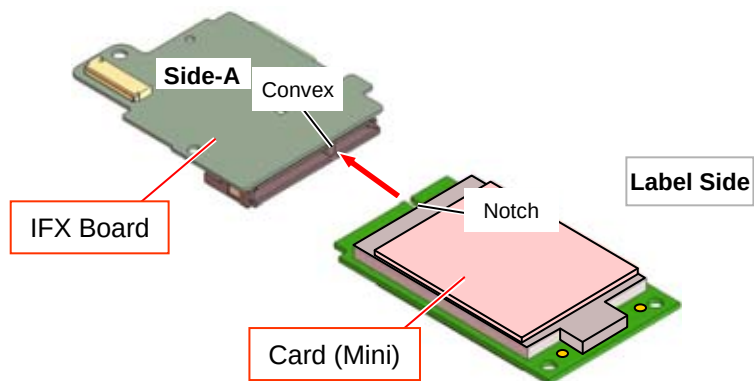
Attach the Thermal Sheet (one place).

2)



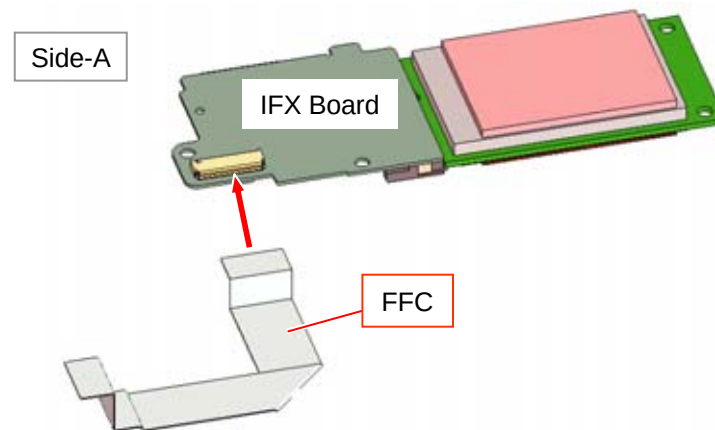
Attach the Thermal Sheet (one place).

3)



Fit the notch to the convex part and connect the Card.

4)

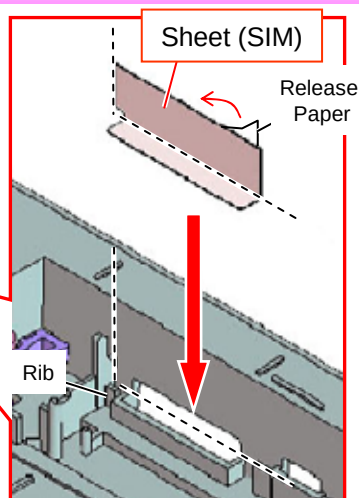
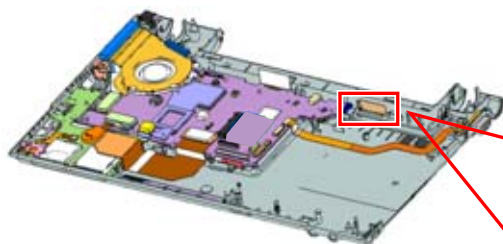


Connect the FFC (one place).

Card (Mini), IFX-546 Board -2

- 5) **1st (No-WAN or WAN (AM)) Model / 2nd/3rd (No-WAN) Model**

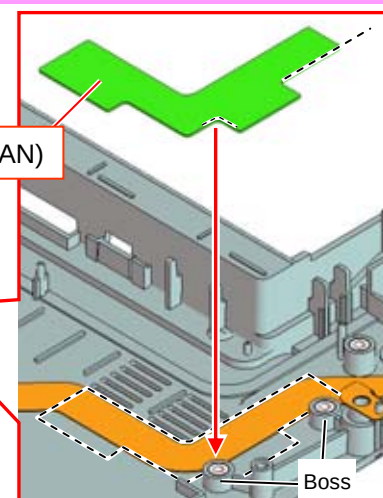
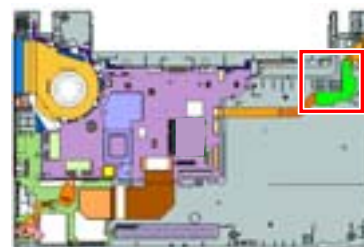
⚠ [MA] ⚠ [MA]



Pell off a piece of release paper and attach the Sheet (one place).

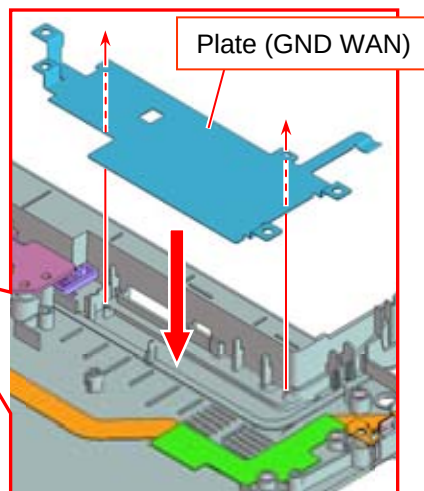
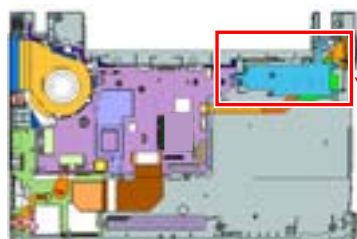
* Be careful not to cover the rib (one place).

- 6) **WAN Model**



Apply the Sheet to the bosses (two places), and attach the Sheet (one place).

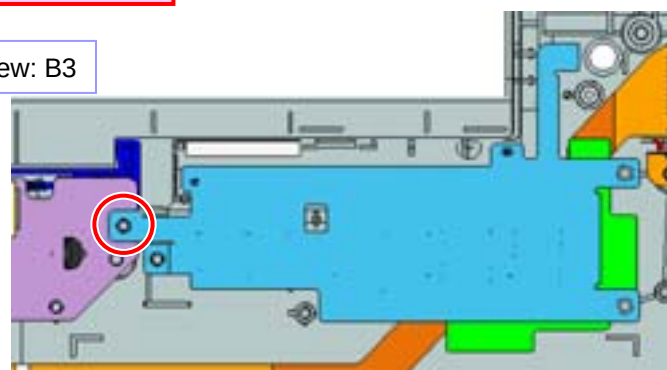
- 7) **WAN Model**



Install the Plate while aligning it with the dowels (two places).

- 8) **WAN Model**

Screw: B3

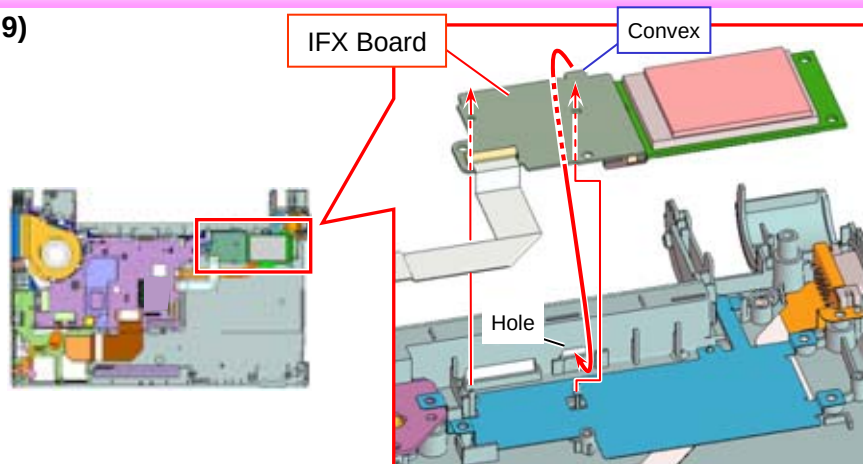


Tighten the screw.

Card (Mini), IFX-546 Board -3

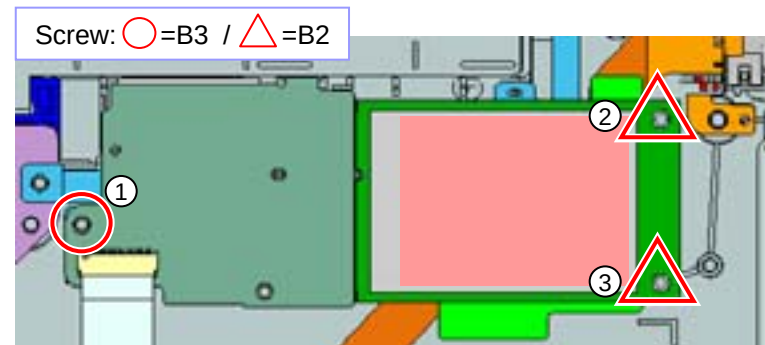
WAN Model

9)



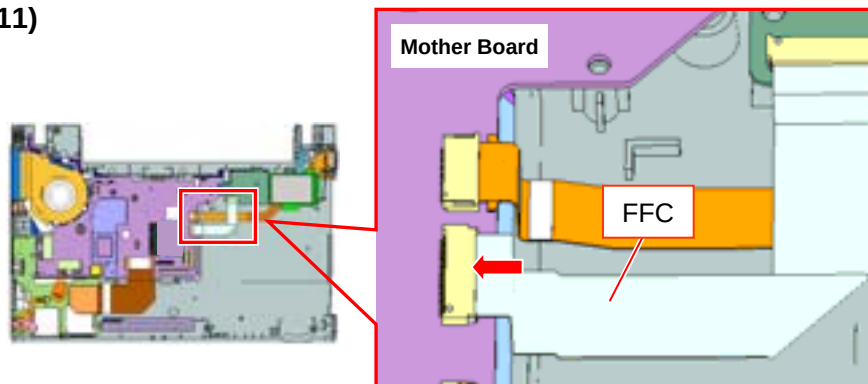
Fit the convex part into the hole, and install the IFX Board while aligning it with the two dowels.

10)



Tighten the three screws in order.

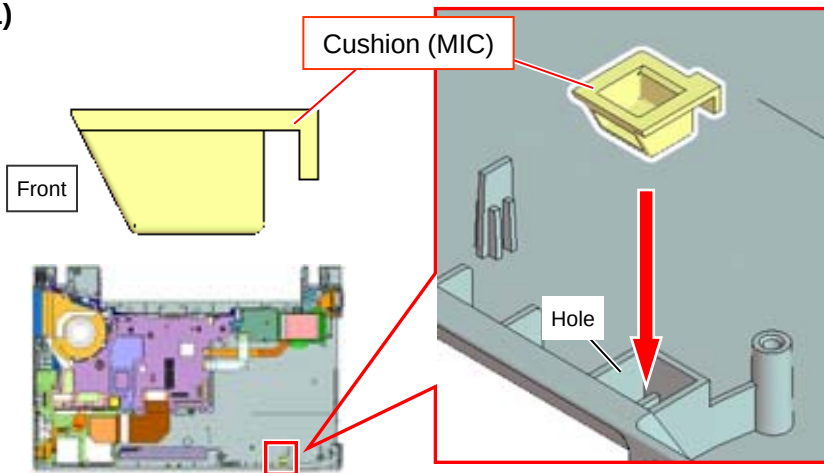
11)



Connect the FFC (one place).

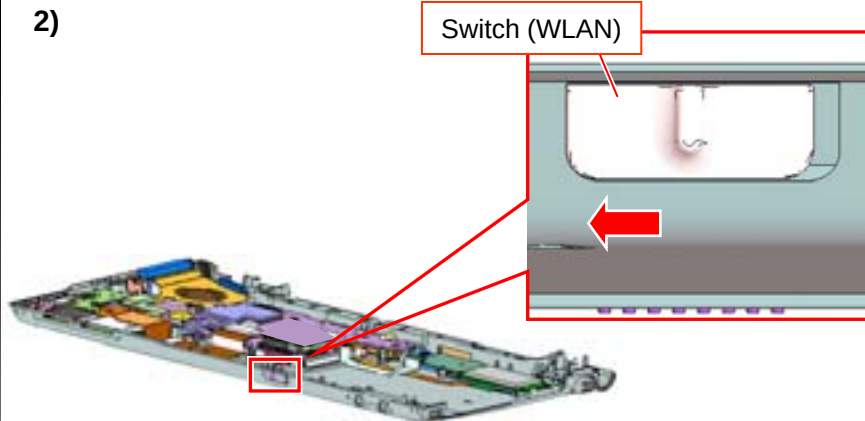
ANL-96 Board -1

1)



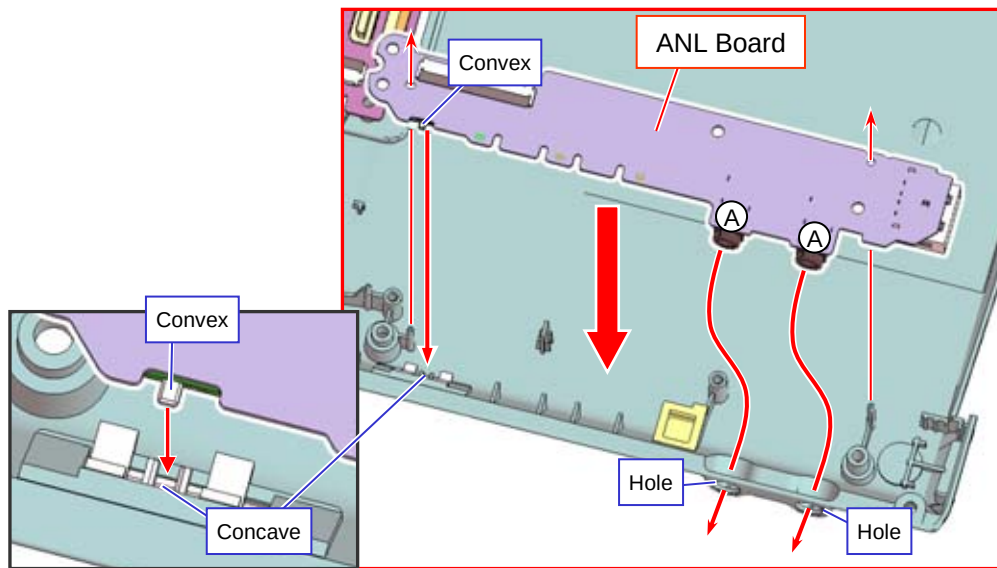
Fit the Cushion (one place) into the hole.
**Pay attention to the direction.*

2)



Slide the Switch to the left side.

3)

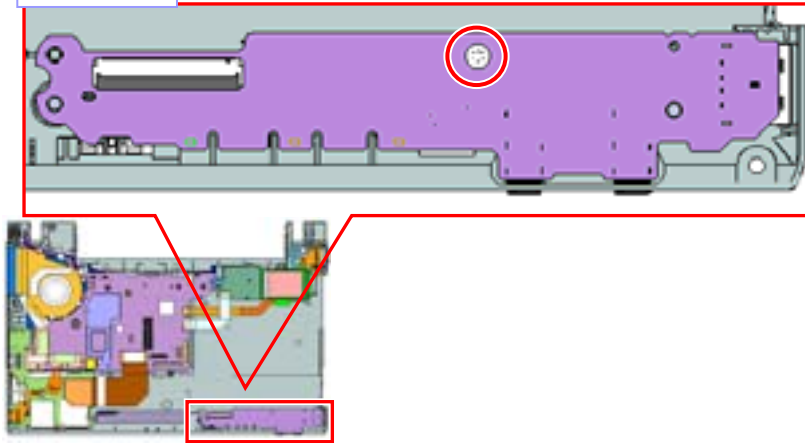


Fit the A parts (two places) into the two holes, and install the ANL Board while aligning it with the two dowels.
** Fit the convex part into the concave part.*

ANL-96 Board -2

4)

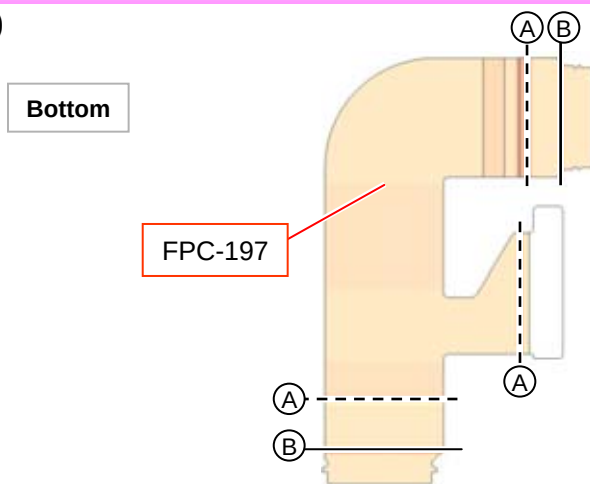
Screw: B3



Tighten the screw.

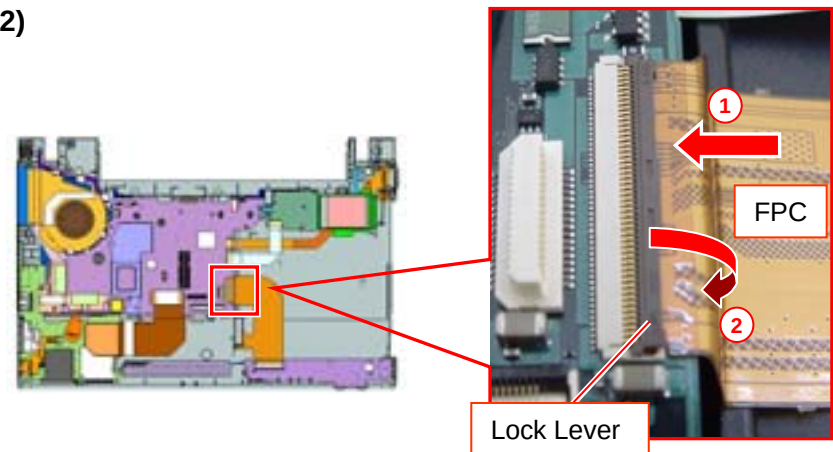
FPC-197

1)



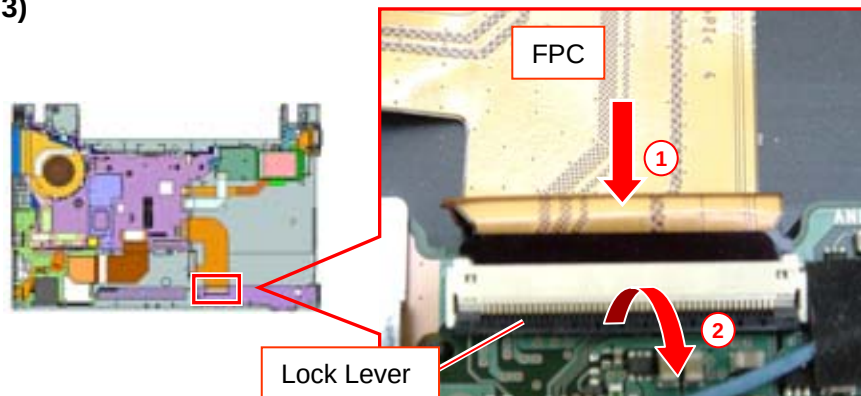
Make mountain fold along the A lines (three places) and make valley fold along the B lines (two places) to make creases.

2)



Connect the FPC (arrow 1), and rotate down the lock lever to lock (arrow 2).

3)



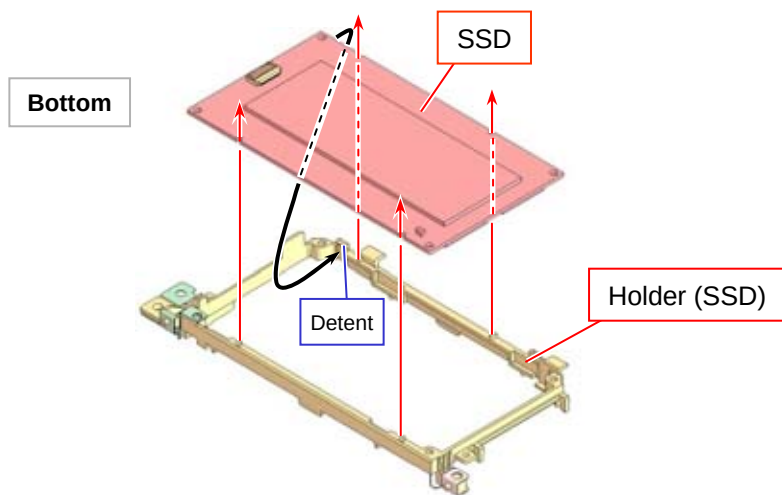
Connect the FPC (arrow 1), and rotate down the lock lever to lock (arrow 2).

SSD -1

1st (SSD) / 2nd/3rd (SSD (SA)) Model

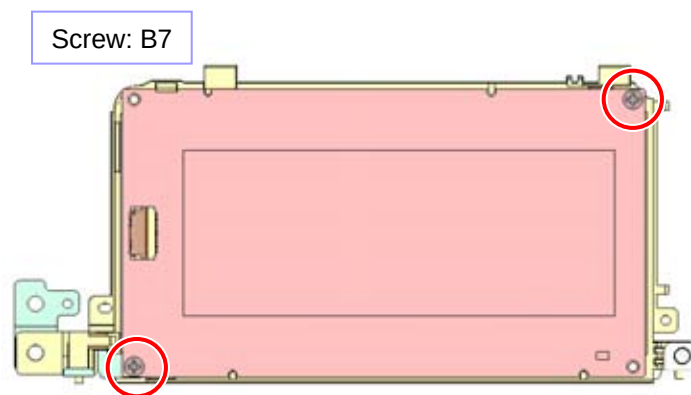
⚠ [MA] ⚠ 3 [MA]

1)



Fit the SSD under the detent (one place), and install the SSD while aligning the SSD with the four ribs.

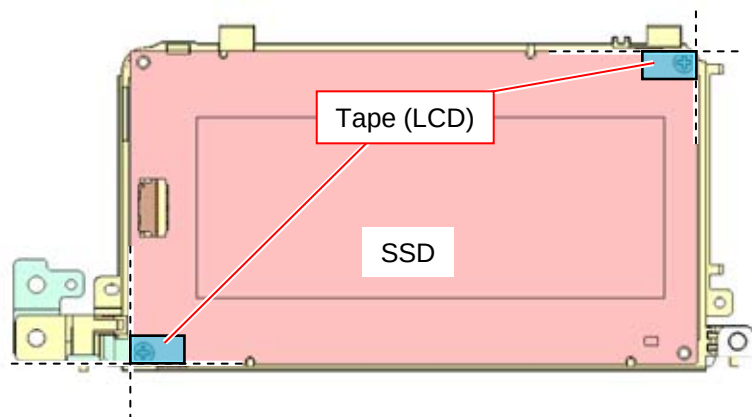
2)



Tighten the two screws.

* If the screws are loosened, additionally tighten them twice or three times. ⚠ [ADD]

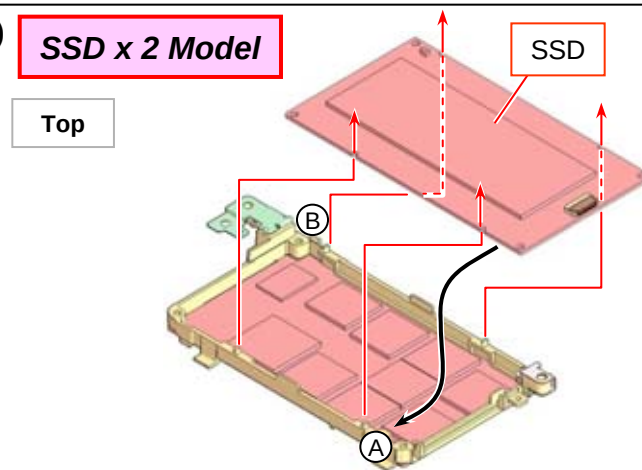
3)



Attach the Tapes (two places).

4)

SSD x 2 Model



1. Fit the SSD under the detent A (one place), and install the SSD while aligning the SSD with the four ribs.
2. Engage the detent B (one place).

SSD -2

1st (SSD) / 2nd/3rd (SSD (SA)) Model

⚠ [MA] ⚠ [MA]

5)

SSD x 2 Model

Screw: B7

Top

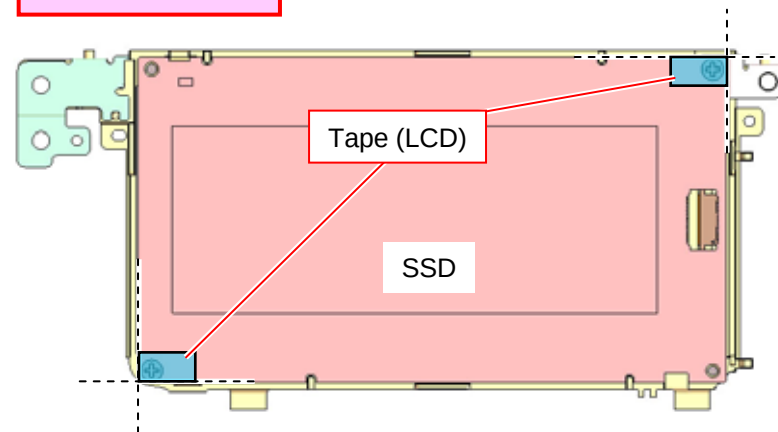


Tighten the two screws.

* If the screws are loosened, additionally tighten them twice or three times. ⚠ [ADD]

6)

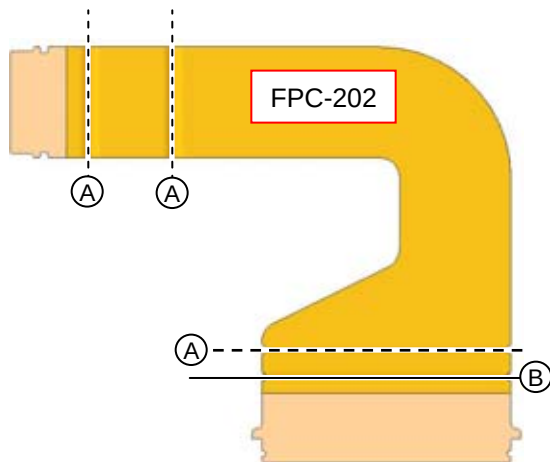
SSD x 2 Model



Attach the Tapes (two places).

7)

SSD x 1 Model

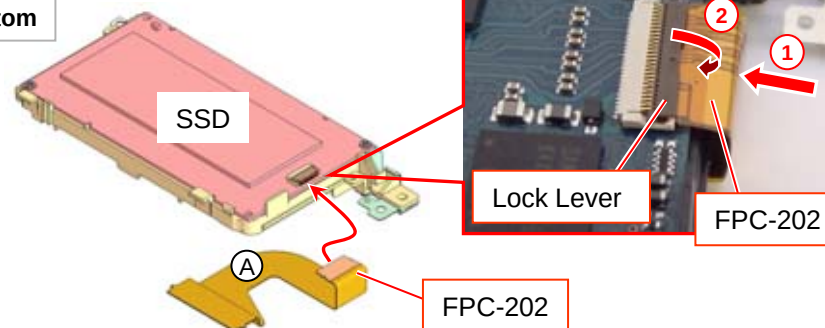


Make mountain fold along the A lines (three places) and make valley fold along the B line (one place) to make creases.

8)

SSD x 1 Model

Bottom



Connect the FPC (arrow 1), and rotate down the lock lever to lock (arrow 2).

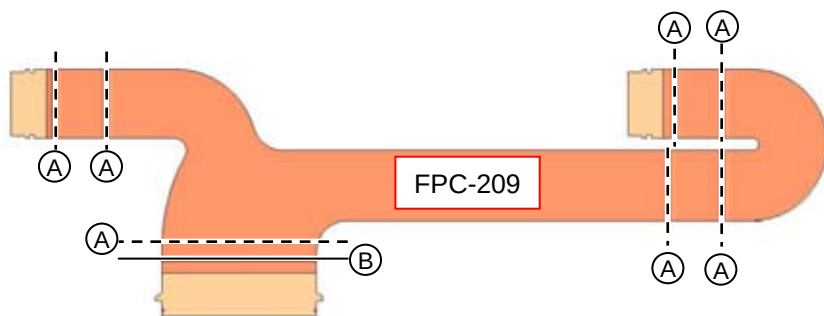
* Install the FPC so that the side-A of the FPC is placed under the SSD.

SSD -3

1st (SSD) / 2nd/3rd (SSD (SA)) Model

⚠ [MA] ⚠ [MA]

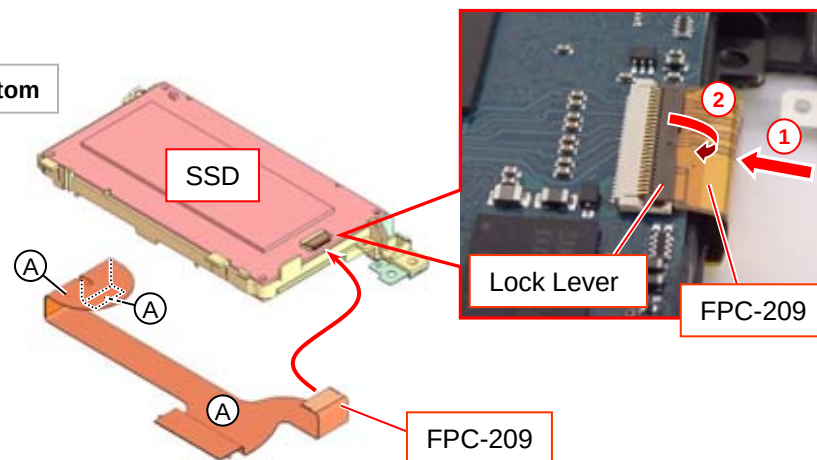
9)



Make mountain fold along the A lines (seven places) and make valley fold along the B line (one place) to make creases.

10)

Bottom

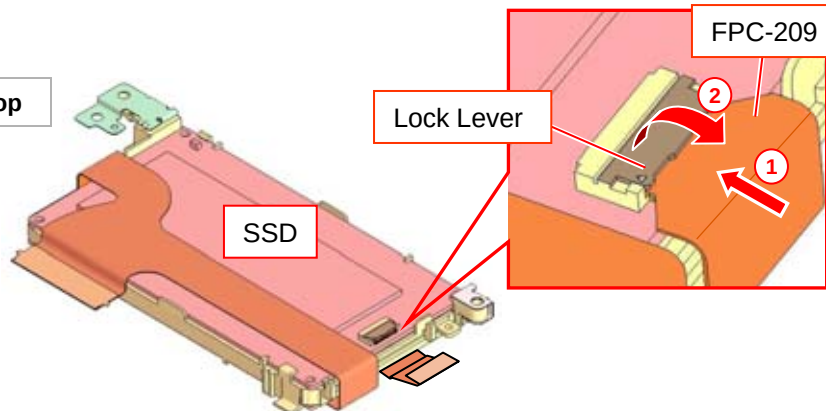


Connect the FPC (arrow 1), and rotate down the lock lever to lock (arrow 2).

* Install the FPC so that the SSD is placed inside of the three faces of side-A of the FPC

11)

Top



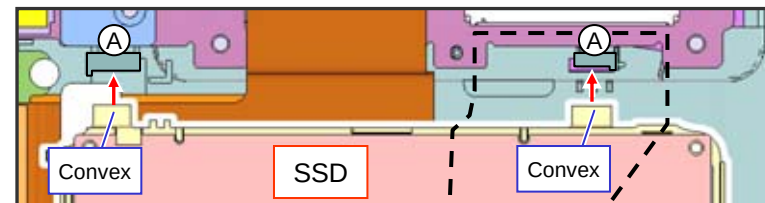
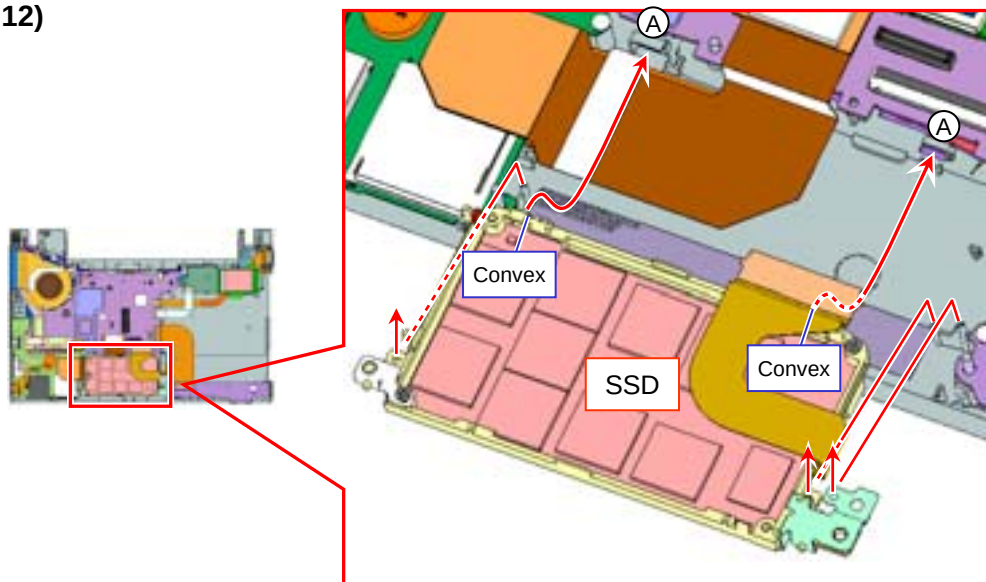
1. Turn over the SSD.
2. Connect the FPC (arrow 1), and rotate down the lock lever to lock (arrow 2).

SSD -4

1st (SSD) / 2nd/3rd (SSD (SA)) Model

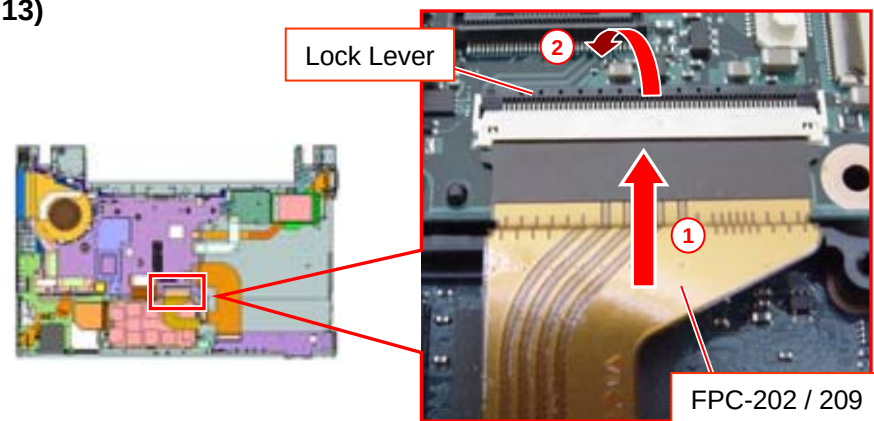
⚠ [MA] ⚠ [MA]

12)



Fit the two convex parts into the A parts (two places), and install the SSD while aligning it with the three dowels.

13)



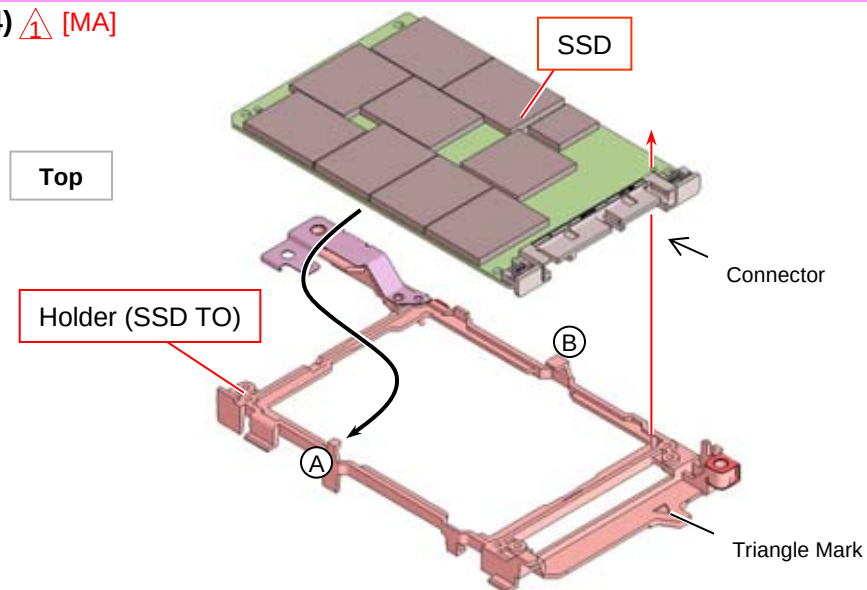
Connect the FPC (arrow 1), and rotate down the lock lever to lock (arrow 2).

*FPC-202 --- SSD x 1 Model / FPC-209 --- SSD x 2 Model

SSD -5

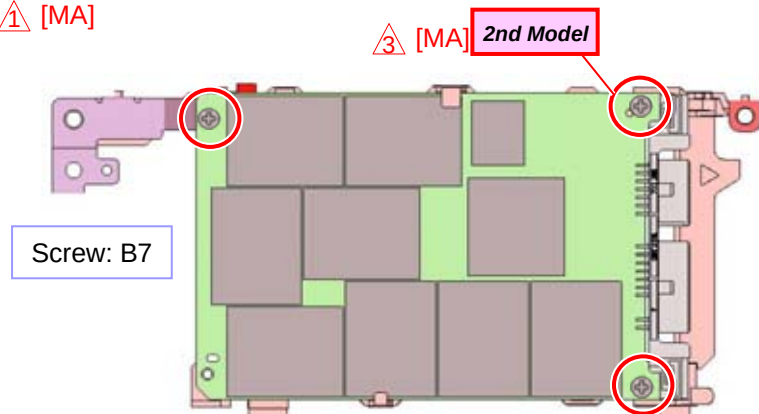
SSD x 2 (TO) Model

14) ⚠ [MA]



1. Place the connector side of the SSD to the side of the triangle mark of the Holder.
2. Put the SSD under the rib A, and put the SSD under the rib B while bending the rib B.
3. Install the SSD while aligning it with the dowel (one place).

15) ⚠ [MA]

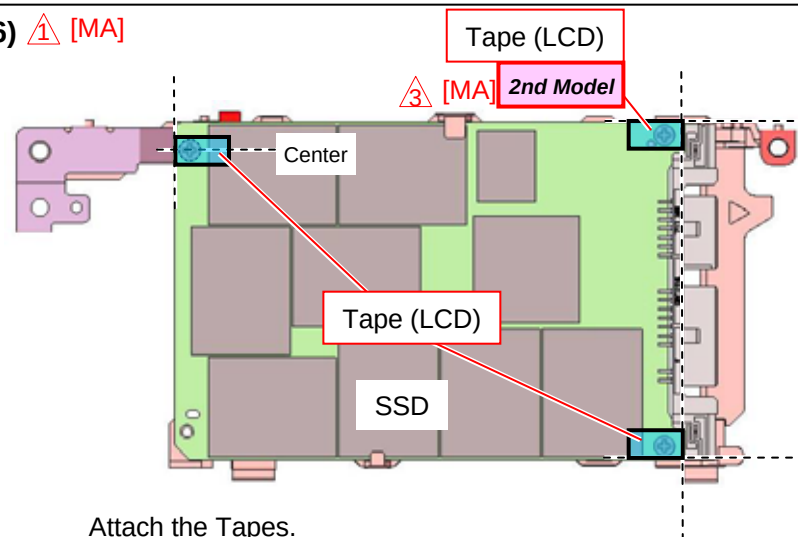


Tighten the screws.

*2nd Model --- Three Places / 3rd Model --- Two Places

* If the screws are loosened, additionally tighten them twice or three times. ⚠ [ADD]

16) ⚠ [MA]



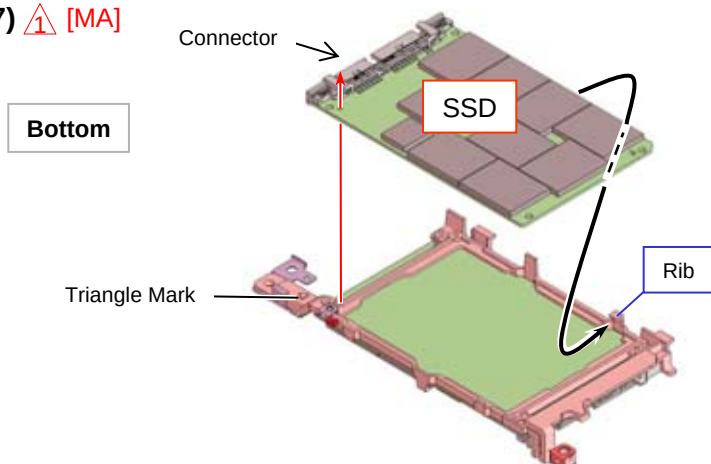
Attach the Tapes.

*2nd Model --- Three Places / 3rd Model --- Two Places

SSD -6

SSD x 2 (TO) Model

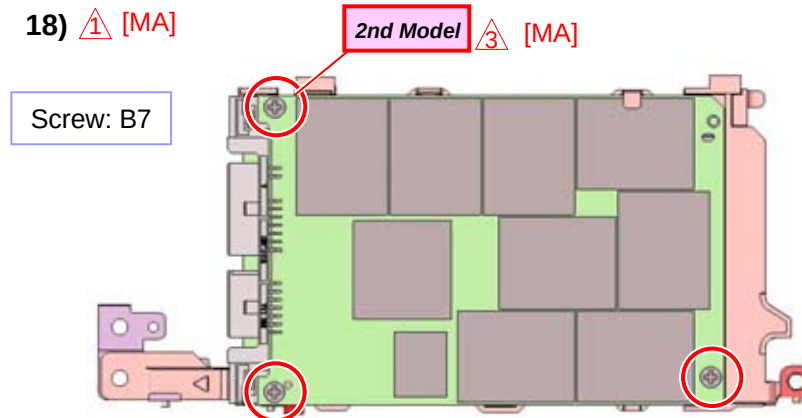
17) ⚠ [MA]



Put the SSD under the rib (one place) and install the SSD while aligning it with the dowel (one place).

* Place the connector side of the SSD to the side of the triangle mark of the Holder.

18) ⚠ [MA]

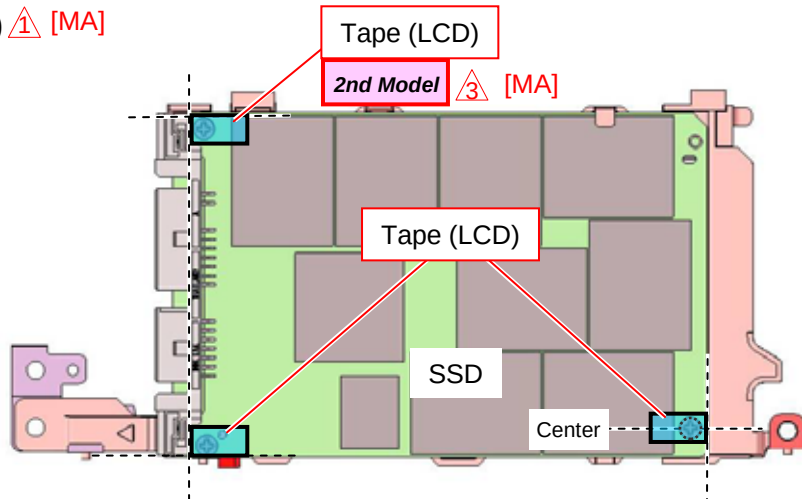


Tighten the screws.

*2nd Model --- Three Places / 3rd Model --- Two Places

* If the screws are loosened, additionally tighten them twice or three times. ⚠ [ADD]

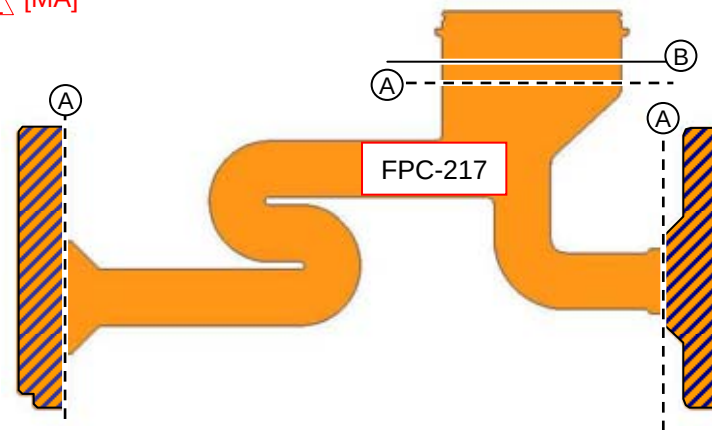
19) ⚠ [MA]



Attach the Tapes.

*2nd Model --- Three Places / 3rd Model --- Two Places

20) ⚠ [MA]

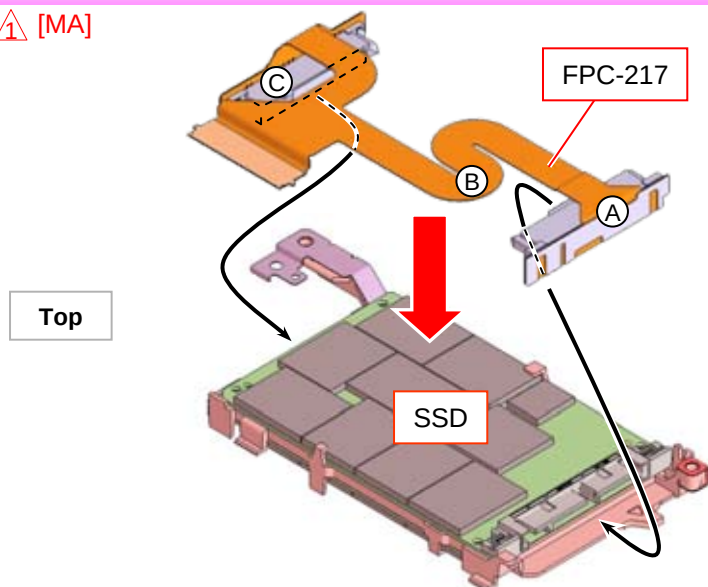


Make mountain fold along the A lines (three places) and make valley fold along the B line (one place) to make creases.

SSD -7

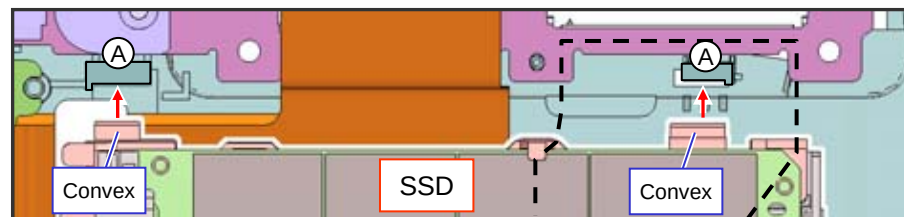
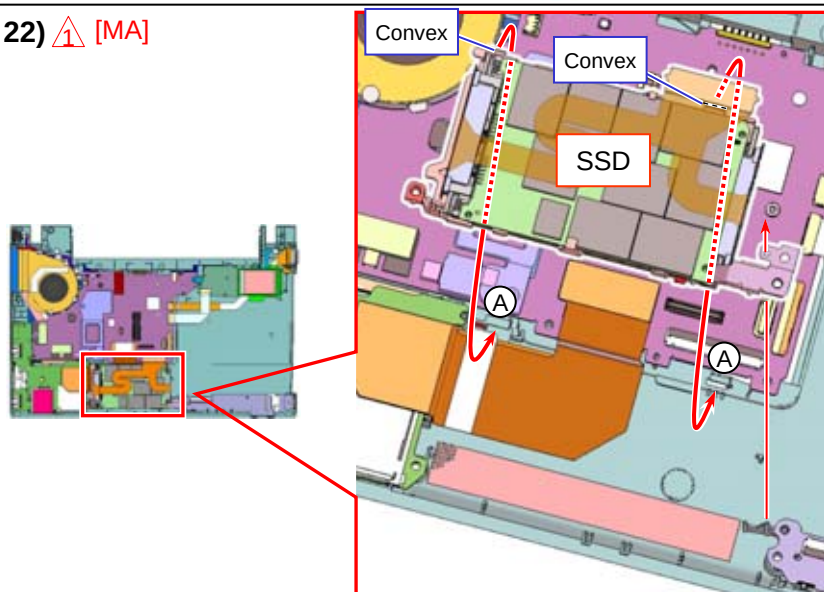
SSD x 2 (TO) Model

21) ⚠ [MA]



1. Connect the connector A and place the B part on top of the SSD to install the SSD.
2. Connect the connector C.

22) ⚠ [MA]

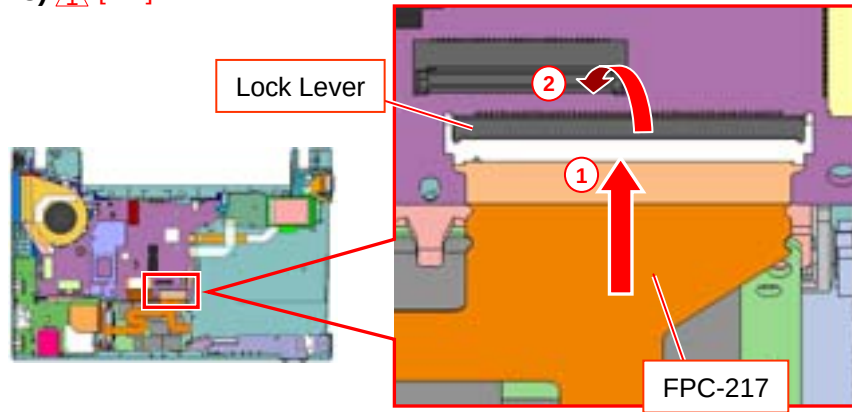


Fit the convex parts (two places) into the A parts (two places) and install the SSD while aligning it with the dowel (one place).

SSD -8

SSD x 2 (TO) Model

23) ⚠ [MA]

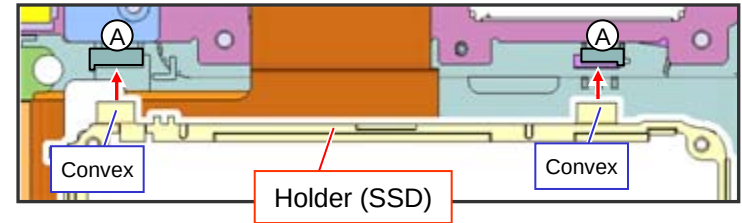
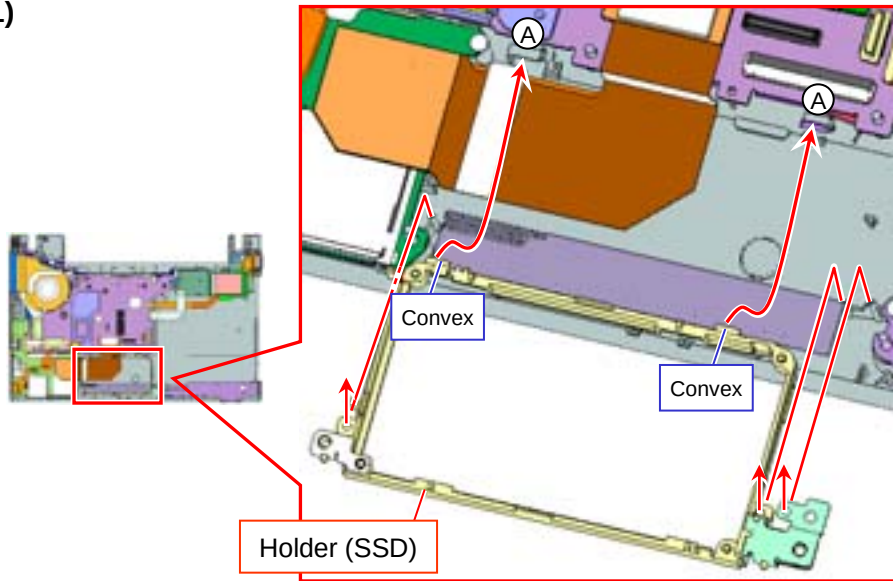


Connect the FPC (arrow 1) and rotate down the lock lever to lock the FPC (arrow 2).

Holder (SSD)

No-SSD Model

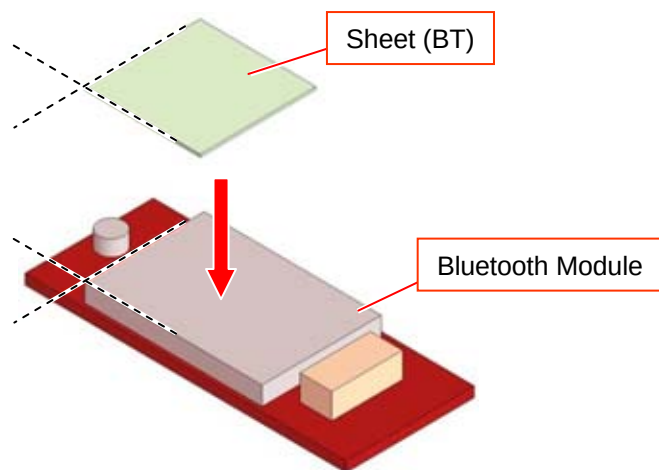
1)



Fit the two convex parts into the A parts (two places), and install the Holder while aligning it with the three dowels.

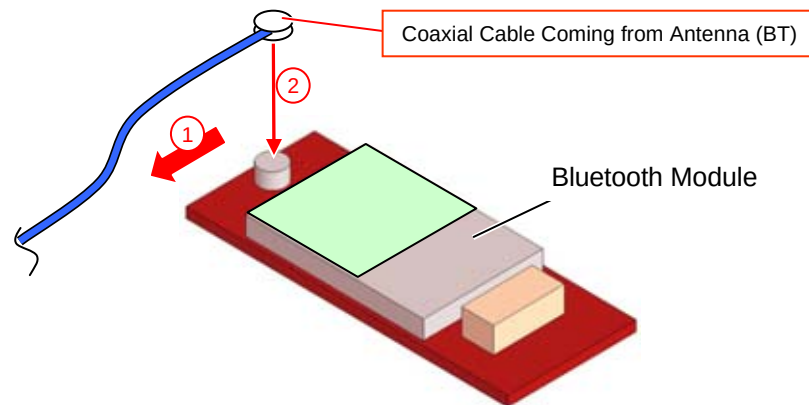
Bluetooth Module -1

1)



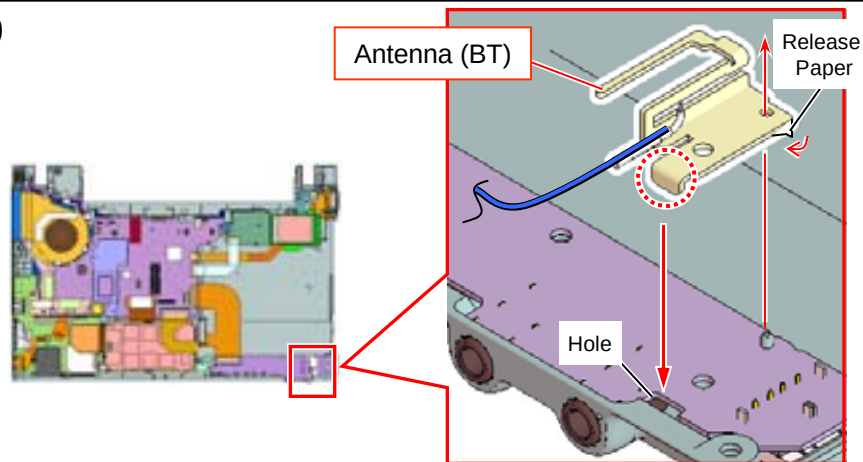
Attach the Sheet (one place).

2)



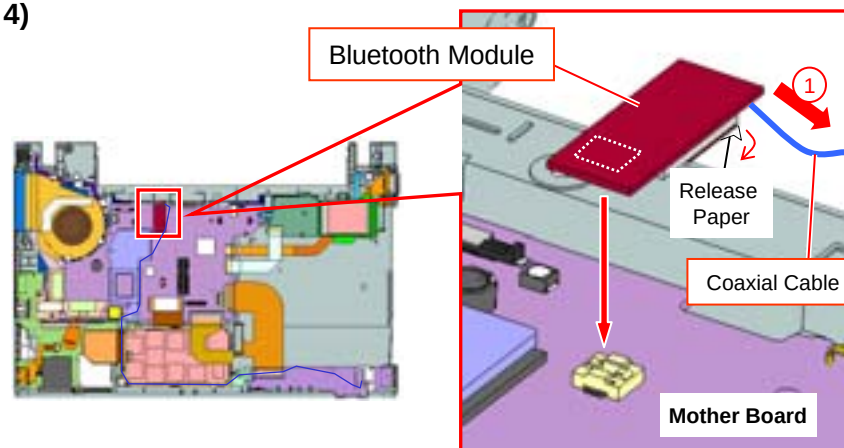
Pass the coaxial cable in the direction of the arrow, and connect it to the Bluetooth Module.

3)



1. Peel off a piece of release paper.
2. Fit the detent (one place) into the hole (one place), and install the Antenna while aligning it with the dowel (one place).

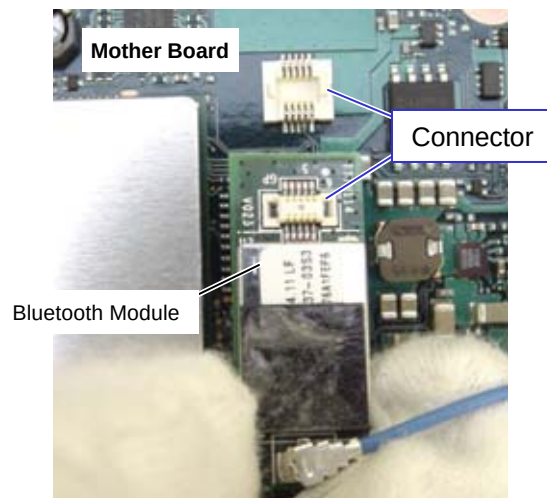
4)



1. Peel off a piece of release paper (one place).
 2. Connect the Bluetooth Module and attach it.
- * Pass the coaxial cable in the direction of the arrow 1.

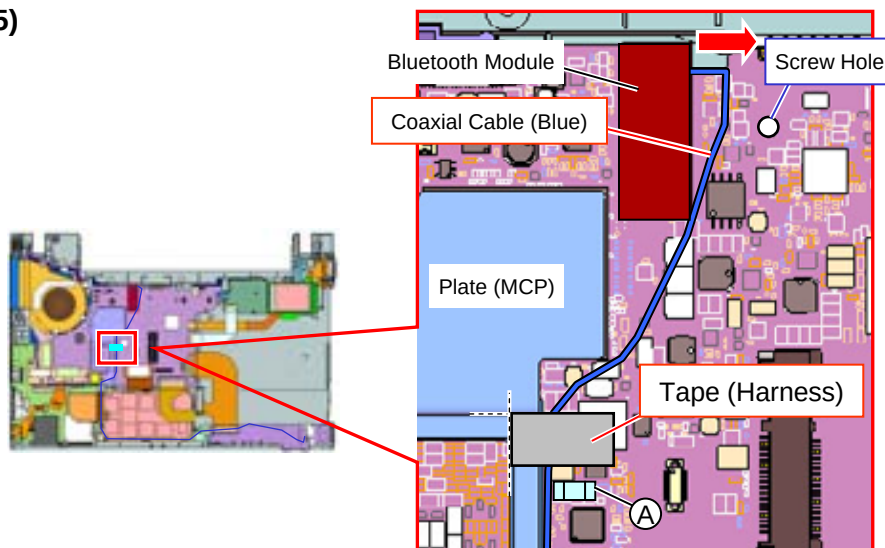
Bluetooth Module -2

Remark



Position of Connector

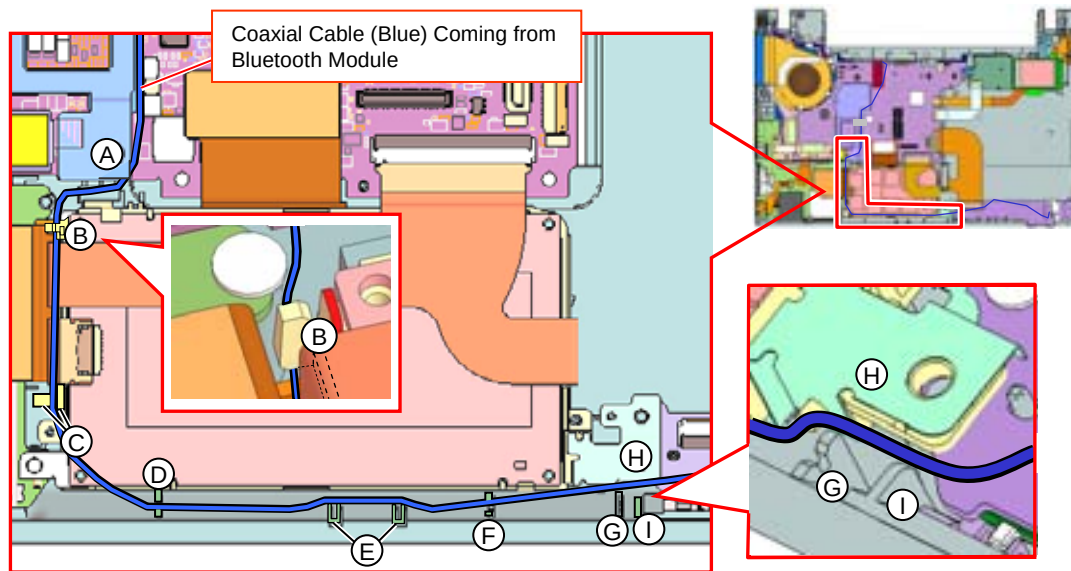
5)



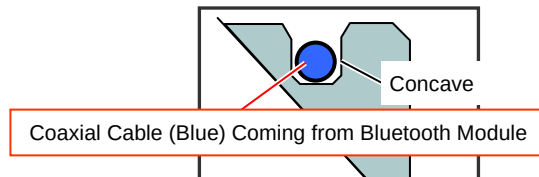
1. Pass the coaxial cable (blue) in the direction of the arrow, and pass it on the right side of the Bluetooth Module.
 2. Pass the coaxial cable along the Plate, pass it between the A part (one place) and the Plate, and attach the Tape (one place).
- * Be careful not to pass it over the screw hole (one place).
 - * Be careful not to pull the coaxial cable strongly.

Bluetooth Module -3

6)



<Cross-section Diagram at Concave D and concave F>



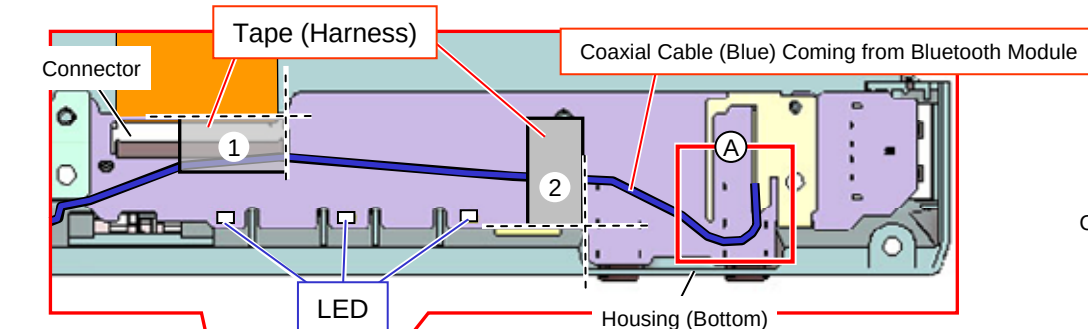
Wire the coaxial cable (blue) as follows.

1. Pass it under the corner A and the convex part B, and pass it between the two ribs C.
2. Pass it in the concave part D, and pass it on the rear of the two ribs E.
3. Pass it in the concave part F, and fit it in between the rib G and H part.
4. Pass it in between the rib I and the H part.

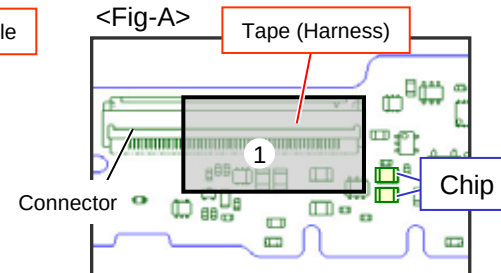
* Be careful not to pass it over the rib I.

* Check that the coaxial cable is not pinched at the H part and not placed over the H part. ⚠ [ADD]

7)



<Fig-A>

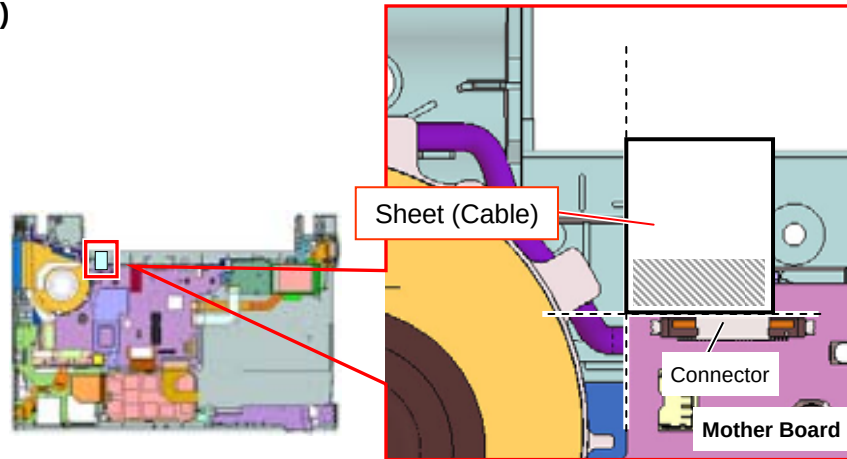


Wire the coaxial cable (blue) as follows.

1. Turn the coaxial cable to the front at A part and form the root of it.
 2. Pass the coaxial cable along the connector, and attach the Tape1 (one place) to secure it.
 3. Attach the Tape2 (one place) to secure the excess part of the coaxial cable.
- * Be careful not to pass it over the chips (two places). (Refer to the Fig-A.)
- * Be careful not to cover the LEDs (three places).
- * Be careful not to pass it over the Housing (Bottom).

Sheet (Cable)

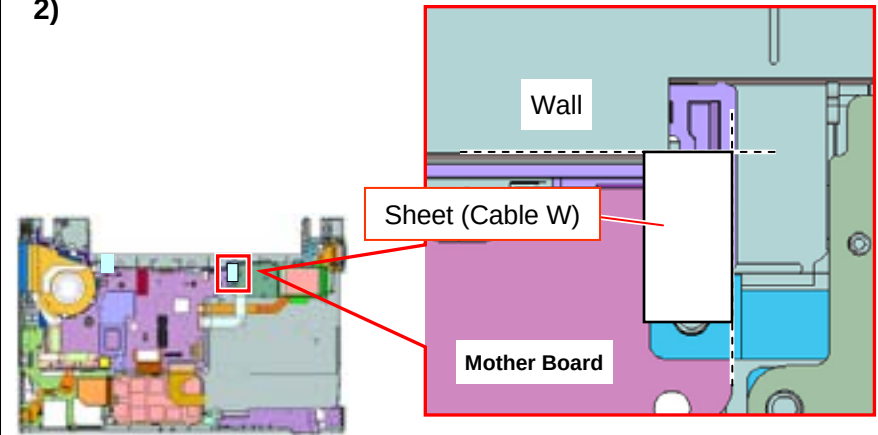
1)



Attach the Sheet (one place).

* Attach only the shaded area of the Sheet.

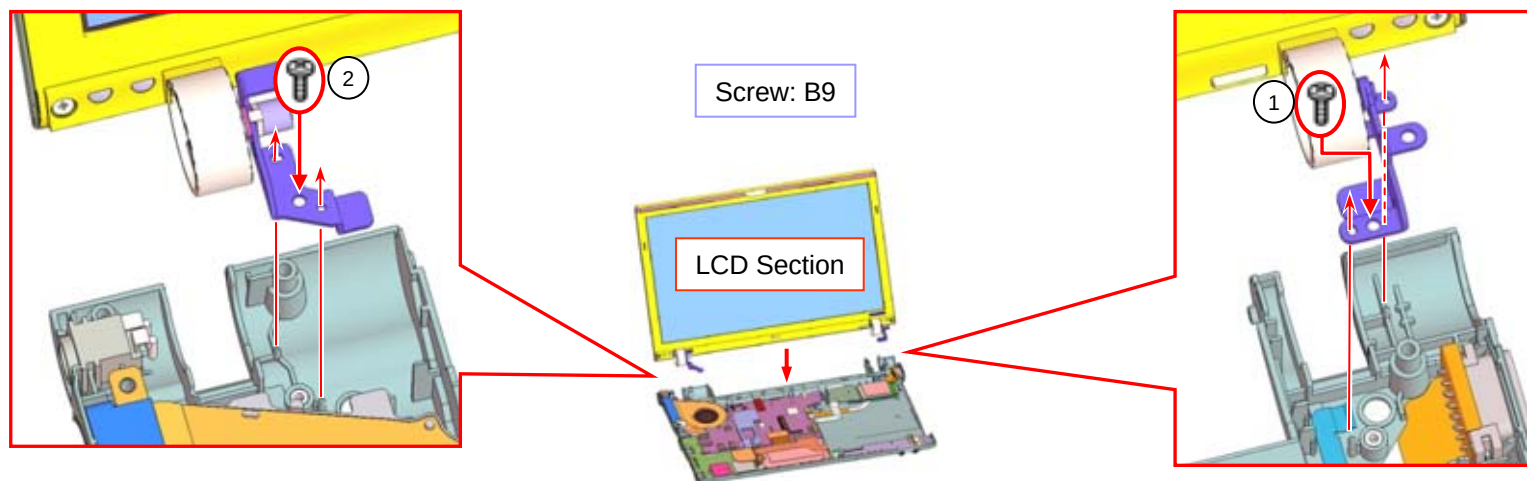
2)



Apply the Sheet to the wall (one place), and attach the Sheet (one place).

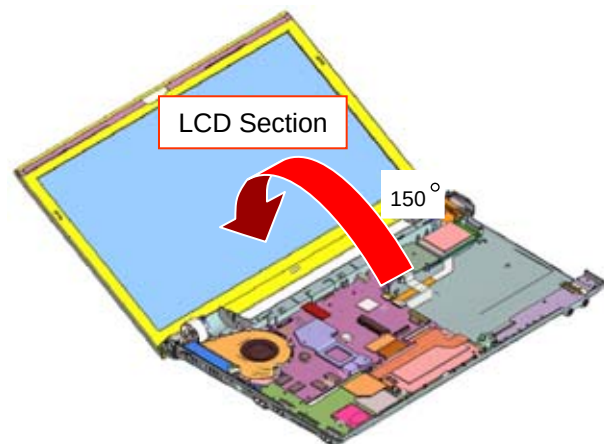
LCD Section

1)



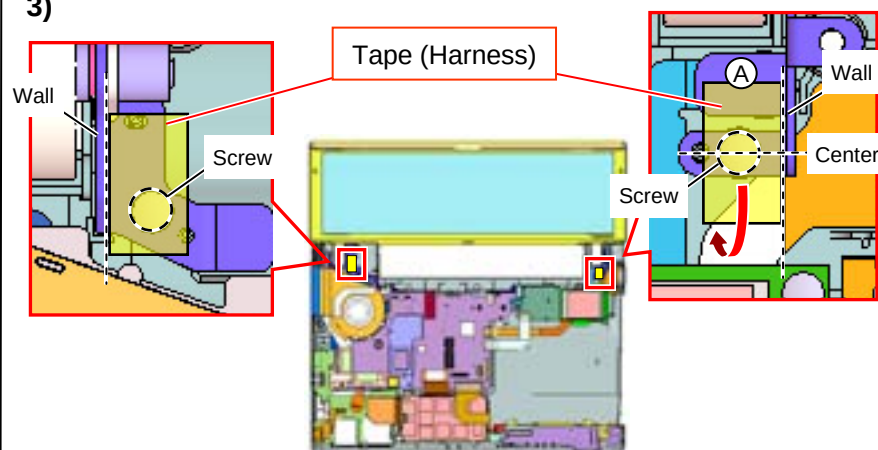
Install the LCD Section while aligning it with the dowels (four places) and tighten the two screws in order.

2)



Open the LCD Section at a 150-degree angle.

3)



Apply the Tapes (two places) to the walls (two places) and attach the Tapes (two places) by covering the screws.

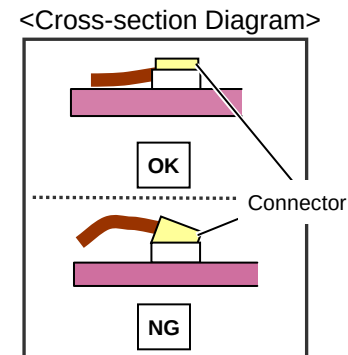
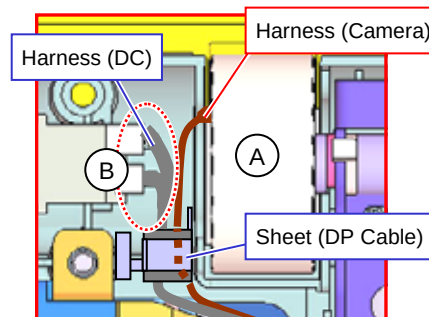
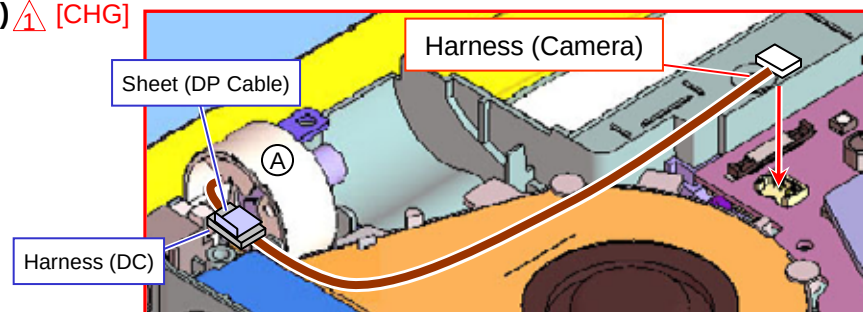
* Turn down the excessive part of the Tape A in the direction of the arrow.

Z1 Series

Harness (Camera)

Camera Model

1) ⚠ [CHG]



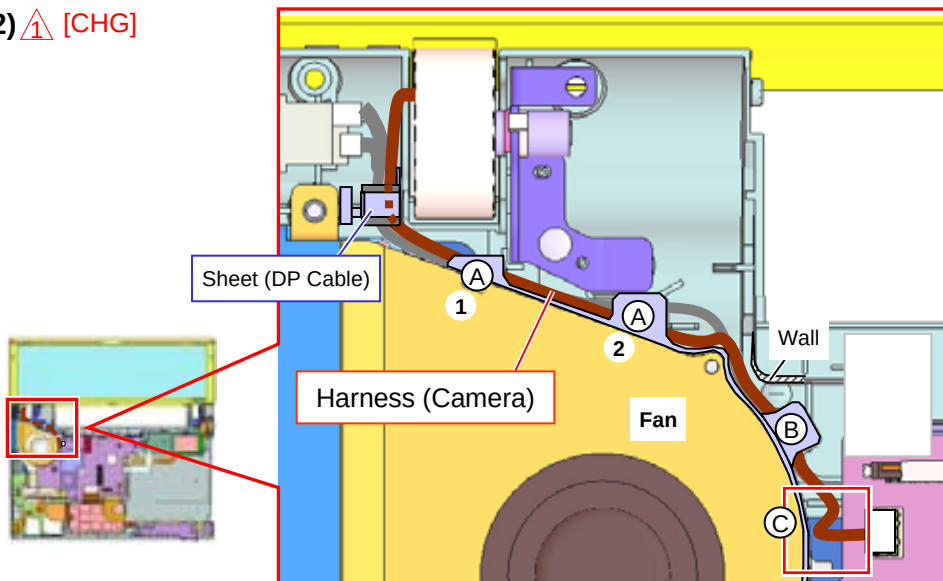
Connect the Harness (Camera) as follows.

1. Pass it between the A part and the Harness (DC).
2. Pass it through the Sheet.
3. Connect the Harness (one place).

* Be careful that the connector does not rise.

* Be careful not to pass the Harness over the B part.

2) ⚠ [CHG]

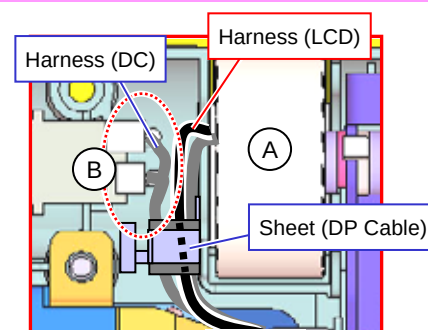
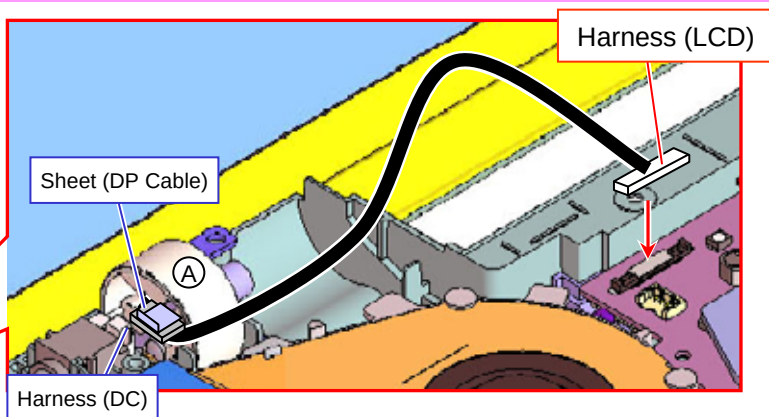


Wire the Harness (Camera) as follows.

1. Pass it under the A parts (two places) in order, and pass it between the wall and the Fan.
2. Pass it under the B part and put the excess part of the Harness in the C part.

Harness (LCD)

1) ⚠ [CHG]

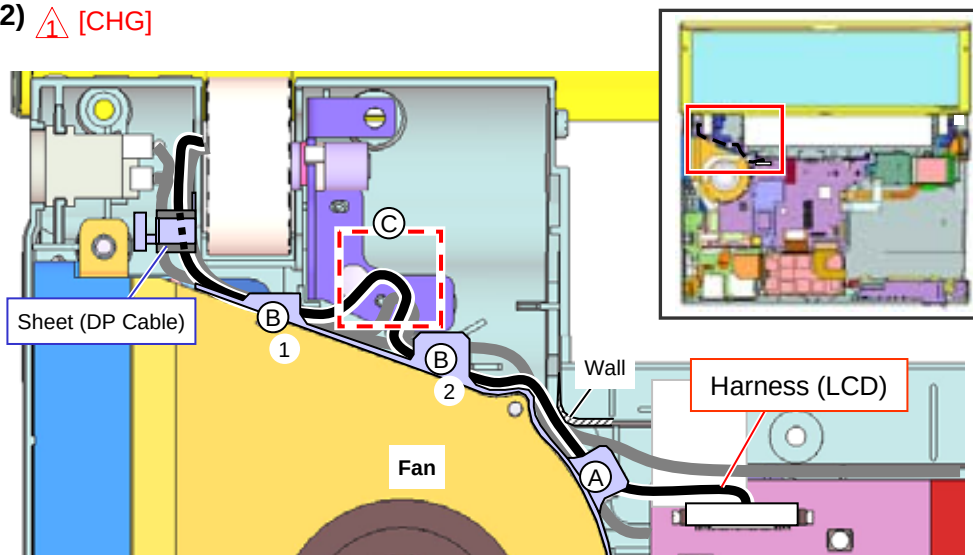


Connect the Harness (LCD) as follows.

1. Pass it between the A part and the Harness (DC).
2. Pass it through the Sheet.
3. Connect the Harness (one place).

* Be careful not to pass it over the B part.

2) ⚠ [CHG]

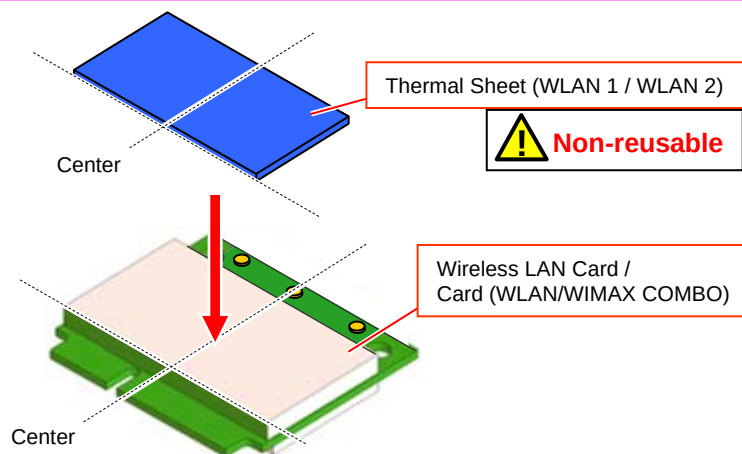


Wire the Harness (LCD) as follows.

1. Pass it under the A part and between the wall and the Fan.
2. Pass it under the B parts (two places) in order.
3. Put the excess part of it in the C part.

Wireless LAN Card / Card (WLAN/WIMAX COMBO) -1

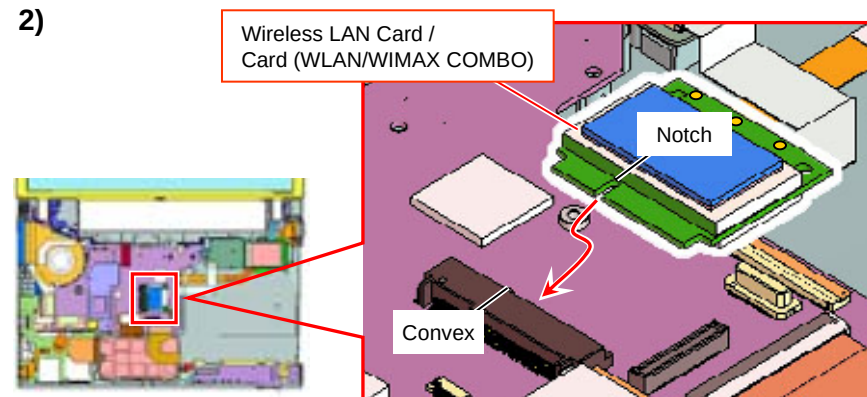
1)



Attach the Thermal Sheet (one place).

* Normal KB Model---Thermal Sheet (WLAN 1) /
Backlight KB Model---Thermal Sheet (WLAN 2)

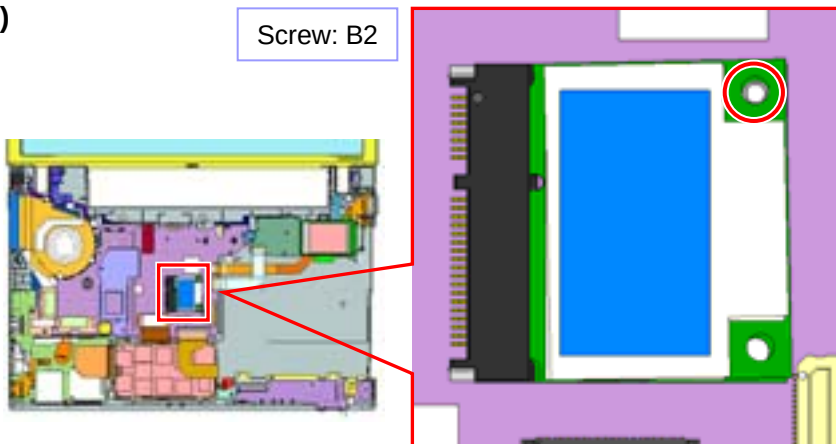
2)



Connect the Wireless LAN Card / Card while fitting the notch to the convex part.

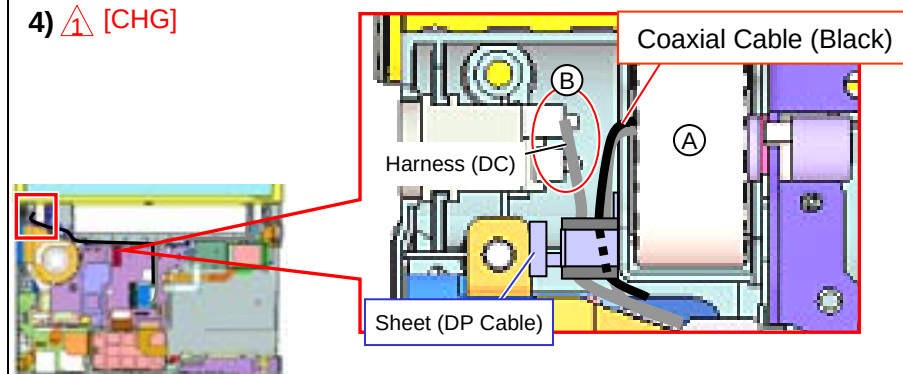
3)

Screw: B2



Tighten the screw.

4) ⚠ [CHG]



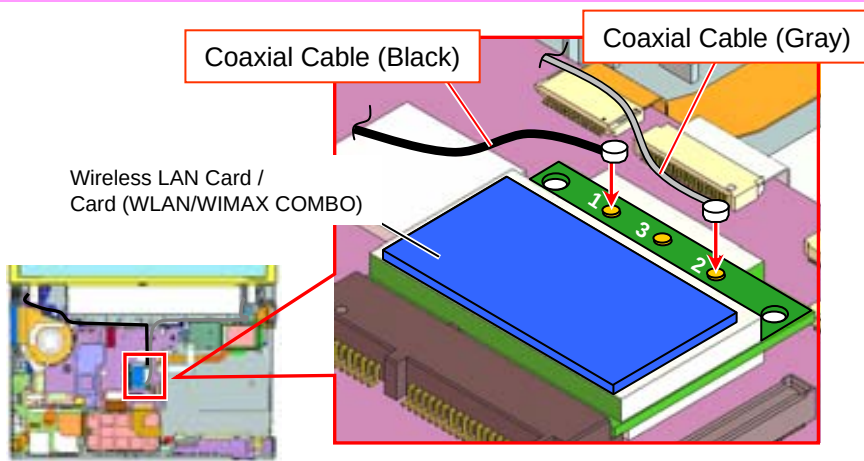
Wire the coaxial cable (black) as follows.

1. Pass it between the A part and the Harness (DC).
2. Pass it through the Sheet.

* Be careful not to pass it over the B part.

Wireless LAN Card / Card (WLAN/WIMAX COMBO) -2

5)

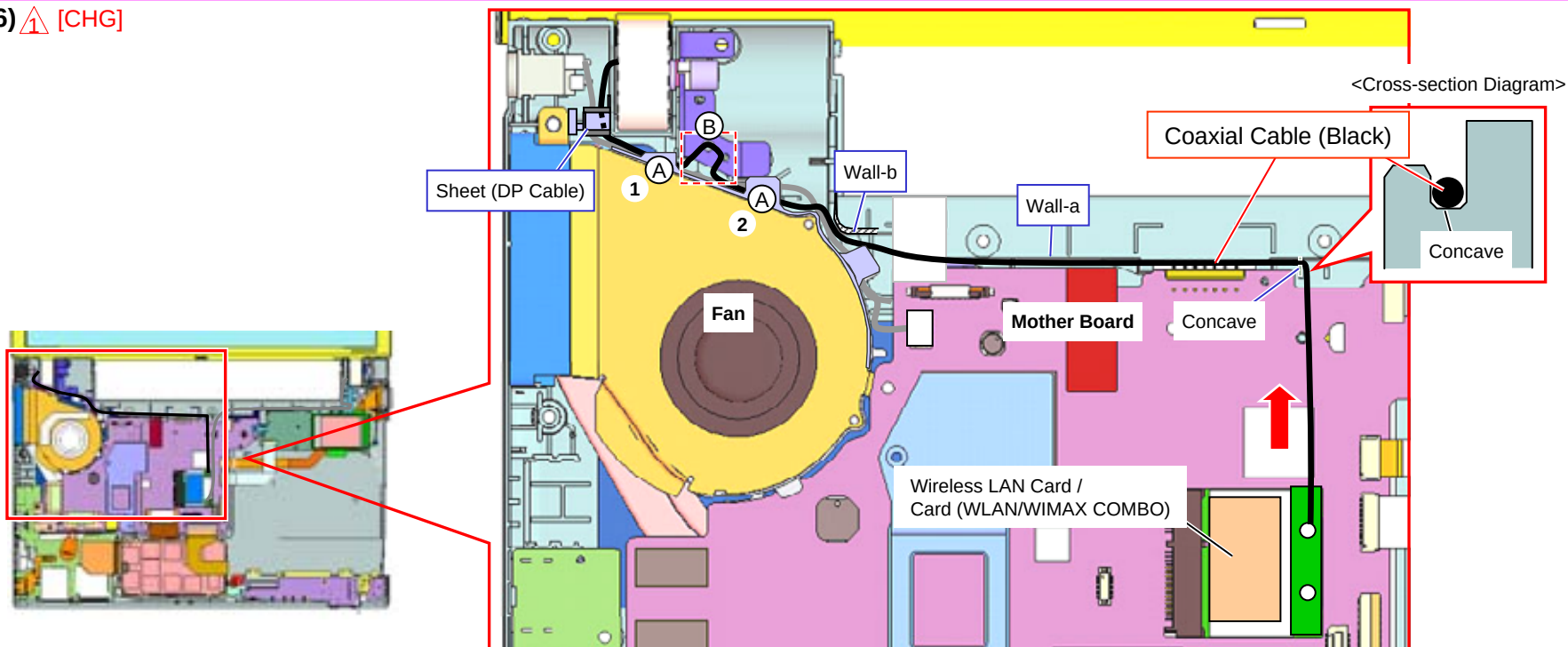


Connect the coaxial cables (two places) vertically.

Wireless LAN Card / Card (WLAN/WIMAX COMBO) -3

No-WAN Model

6) ⚠ [CHG]



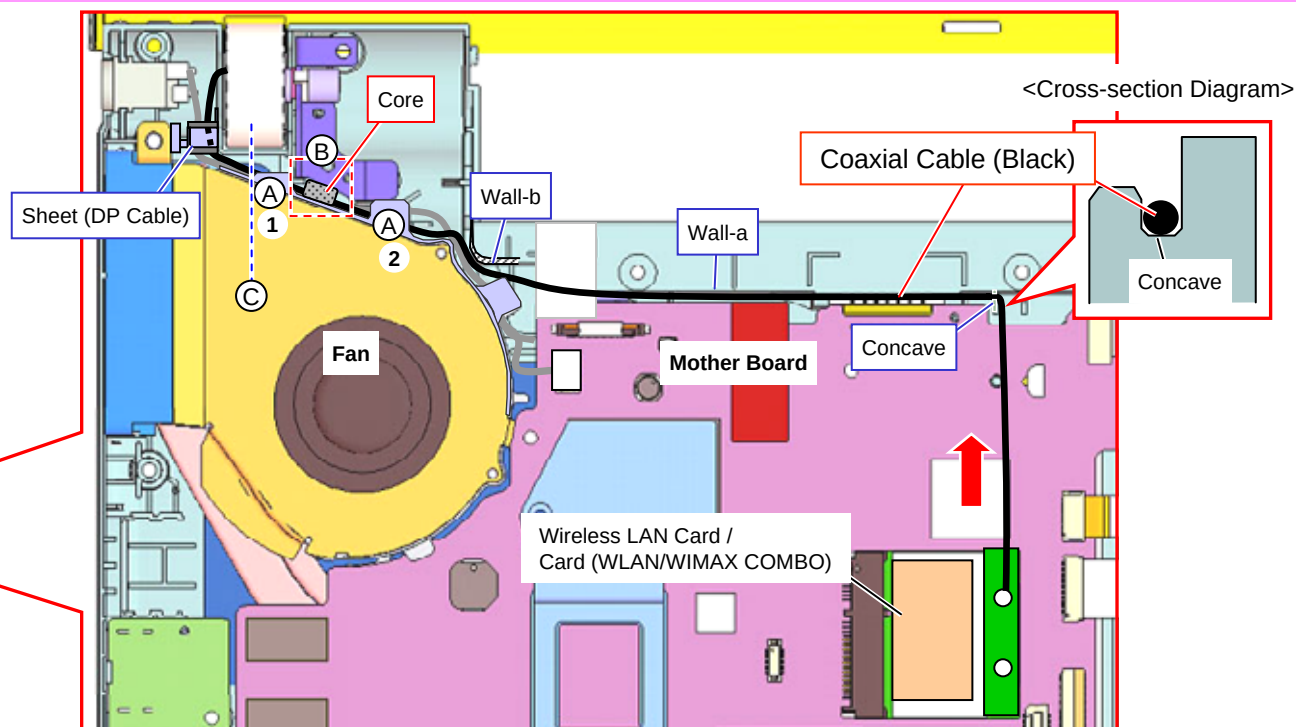
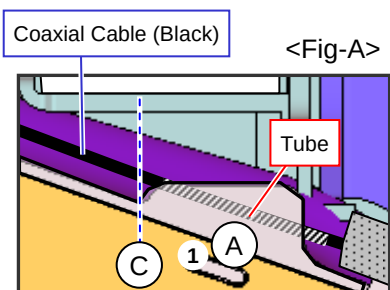
Wire the coaxial cable (black) as follows.

1. Pass the coaxial cable in the direction of the arrow.
2. Pass it in the concave part, and pass it between the Mother Board and the wall-a.
3. Pass it between the Fan and the wall-b.
4. Pass it under the A parts (two places) in order.
6. Put the excess part of the coaxial cable in the B part.

Wireless LAN Card / Card (WLAN/WIMAX COMBO) -4

WAN Model

7) ⚠ [CHG]



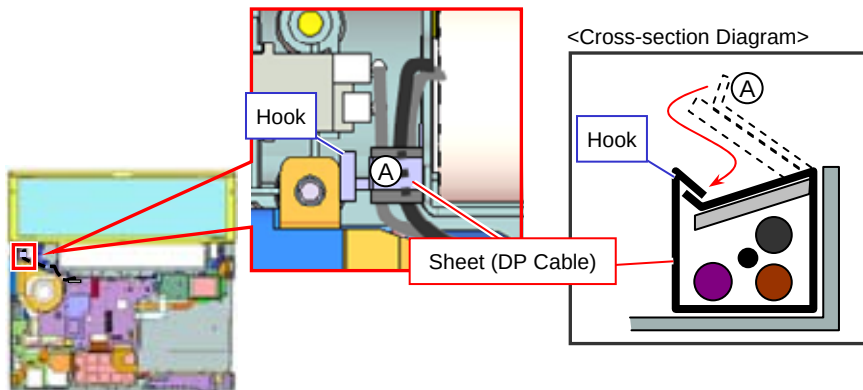
Wire the coaxial cable (black) as follows.

1. Pass the coaxial cable in the direction of the arrow.
2. Pass it in the concave part, and pass it between the Mother Board and the wall-a.
3. Pass it between the Fan and the wall-b.
4. Pass it under the A parts (two places) in order.
5. Put the core and the excess part of it in the B part.

* Make sure that the tube is placed on the right side of the C line. (Refer to the Fig-A.)

Wireless LAN Card / Card (WLAN/WIMAX COMBO) -5

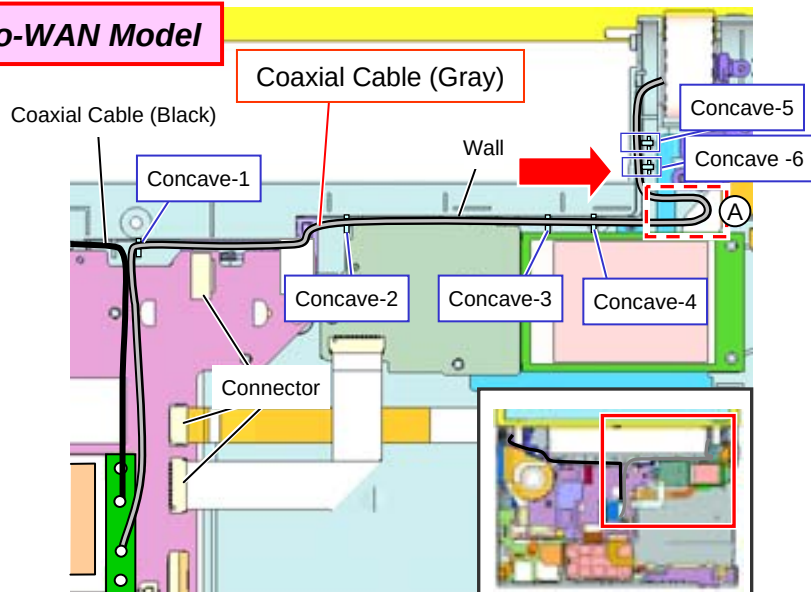
8)



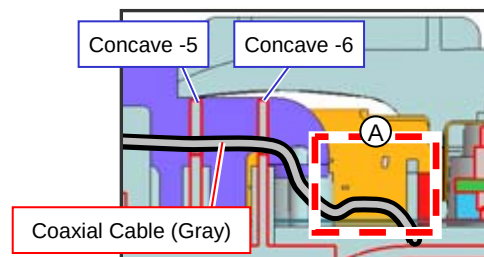
Hook the A part on the hook part to lock the Sheet.

9)

No-WAN Model



<Cross-section Diagram from the Direction of the Arrow>



Wire the coaxial cable (gray) as follows.

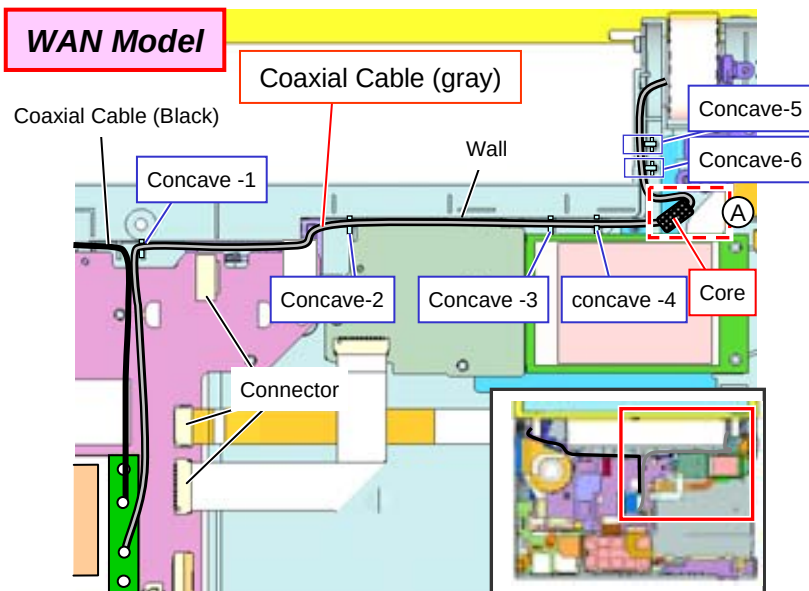
1. Pass it along the coaxial cable (black).
2. Pass it along the wall, and pass it in the six concave parts in order.
3. Put the excess part of the cable in the A part.

* Be careful not to pass it over the connectors (three places).

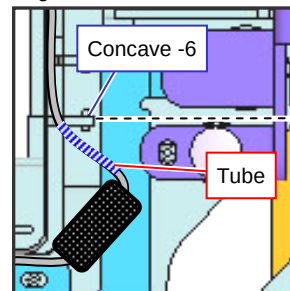
Wireless LAN Card / Card (WLAN/WIMAX COMBO) -6

10)

WAN Model



<Fig-A>



Wire the coaxial cable (gray) as follows.

1. Pass it along the coaxial cable (black).
2. Pass it along the wall, and pass it in the six concave parts in order.
3. Put the excess part of the cable in the A part.

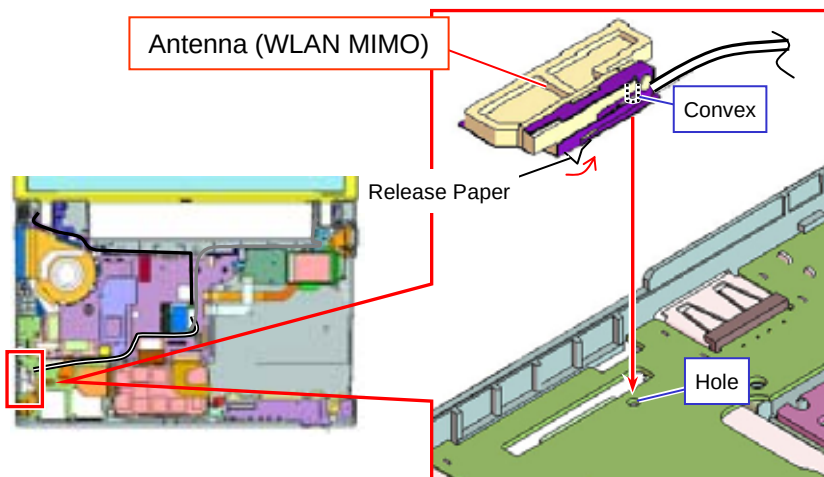
* Be careful not to pass it over the connectors (three places).

* Make sure that the tube part is placed in front of the concave -6.
(Refer to the Fig-A.)

Antenna (WLAN MIMO)

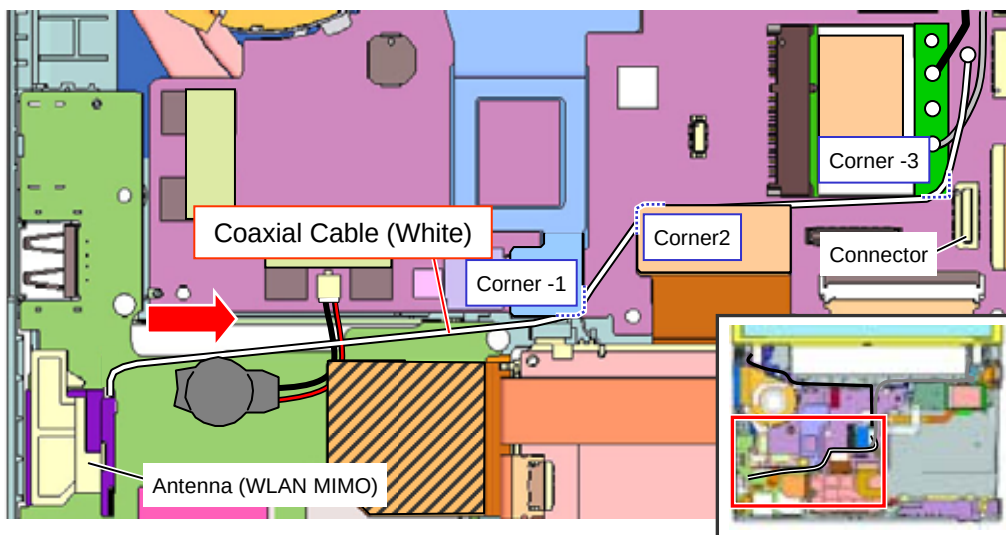
WLAN 3rd Model

1)

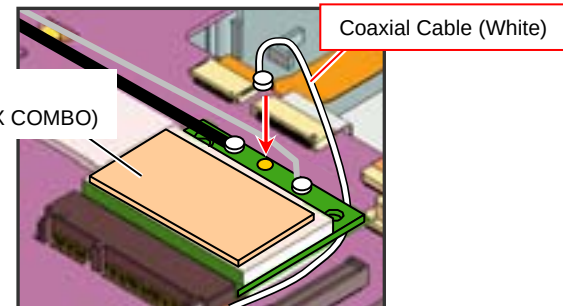


Peel off a piece of release paper, fit the convex part into the hole, and install the Antenna.

2)



Wireless LAN Card /
Card (WLAN/WIMAX COMBO)



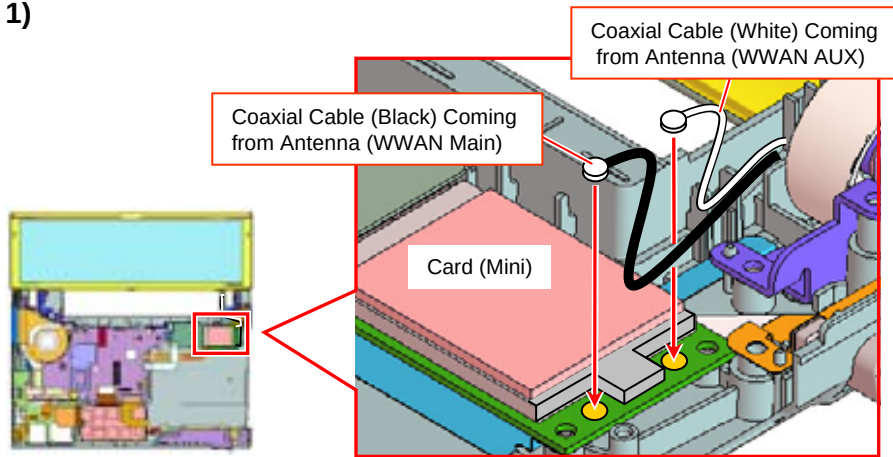
Wire the coaxial cable (white) as follows.
1. Pass the coaxial cable to the right side.
2. Hook it on the three corners in order.
3. Connect the coaxial cable vertically.

**Be careful not to pass it over the connector (one place) and the shaded area.*

Coaxial Cable -1

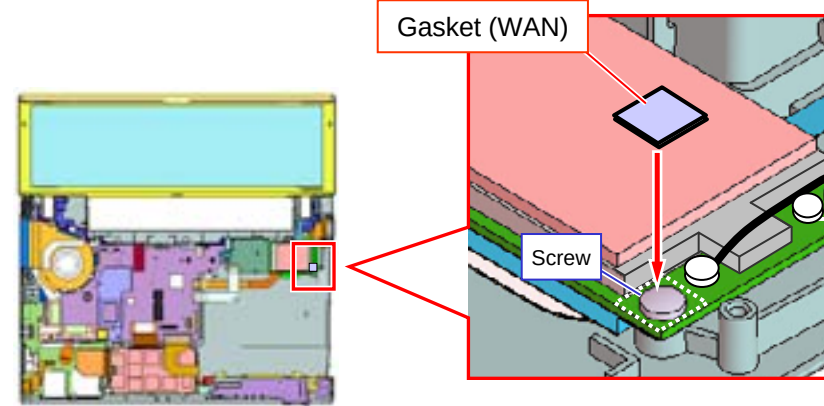
WAN Model

1)



Connect the coaxial cables (two places) vertically.

2)

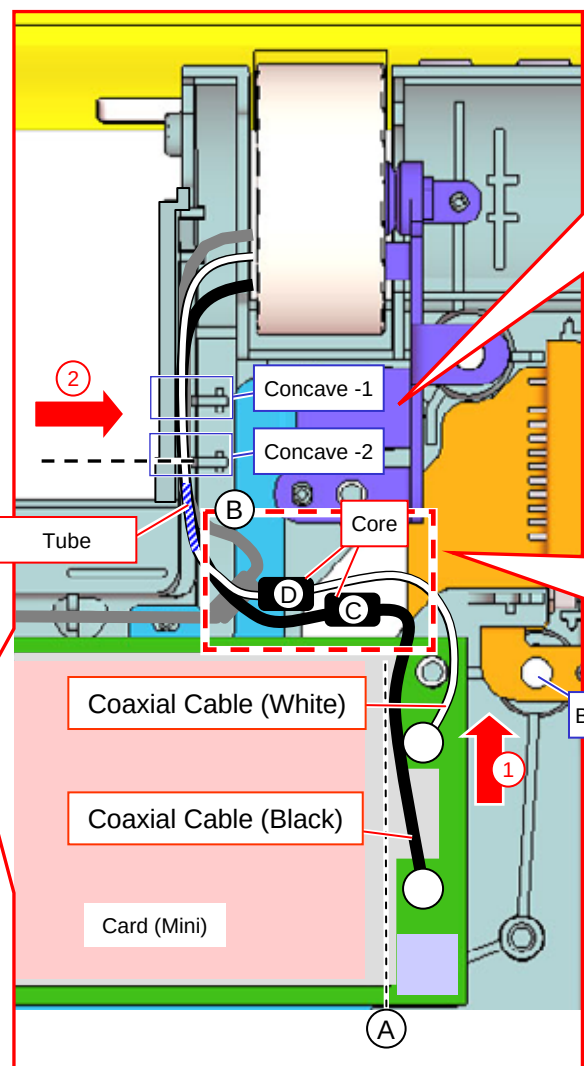


Attach the Gasket (one place) by covering the screw.

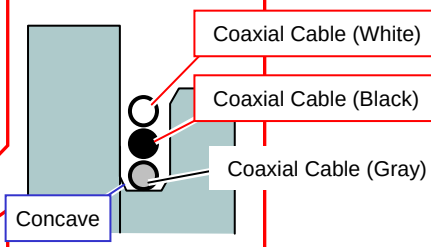
Coaxial Cable -2

WAN Model

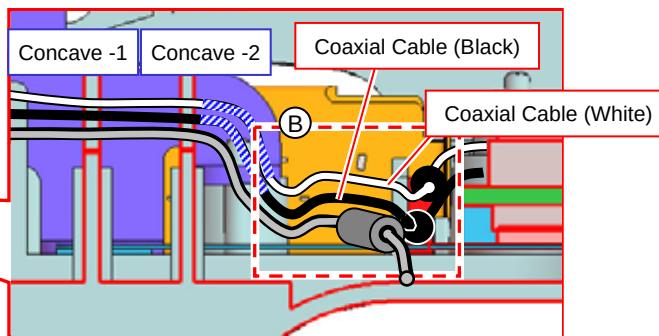
3)



<Cross-section Diagram>



<Cross-section Diagram from the Direction of the Arrow 1>



Wire the coaxial cable (black) as follows.

1. Pass it in the direction of the arrow 1, and pass it between the coaxial cable (white) and the A part.
2. Pass it in the two concave parts in order.
3. Put the excess part of it in the B part.

* Make sure that the tube part is placed in front of the concave-2.

Wire the coaxial cable (white) as follows.

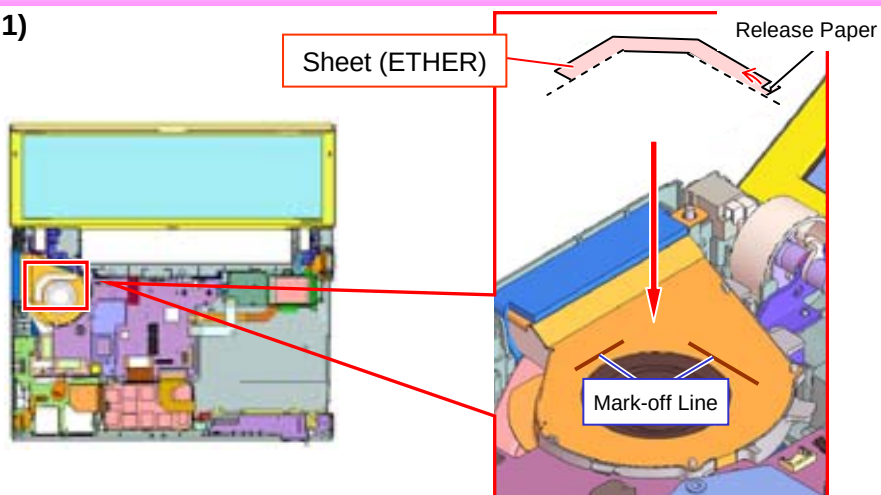
1. Pass the cable in the direction of the arrow 1.
2. Pass it in the two concave parts in order.
3. Put the core on the D part, and put the excess part of the cable in the B part.

* Be careful not to pass it over the boss (one place).

* Make sure that the tube part is placed in front of the concave-2.

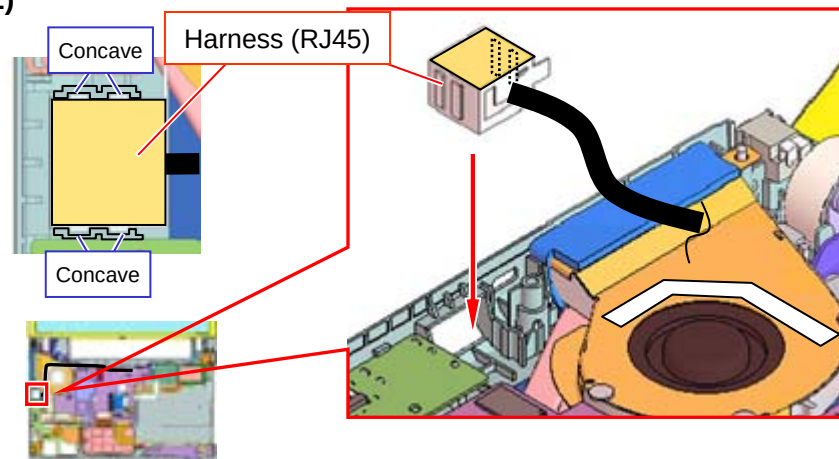
Harness (RJ45) -1

1)



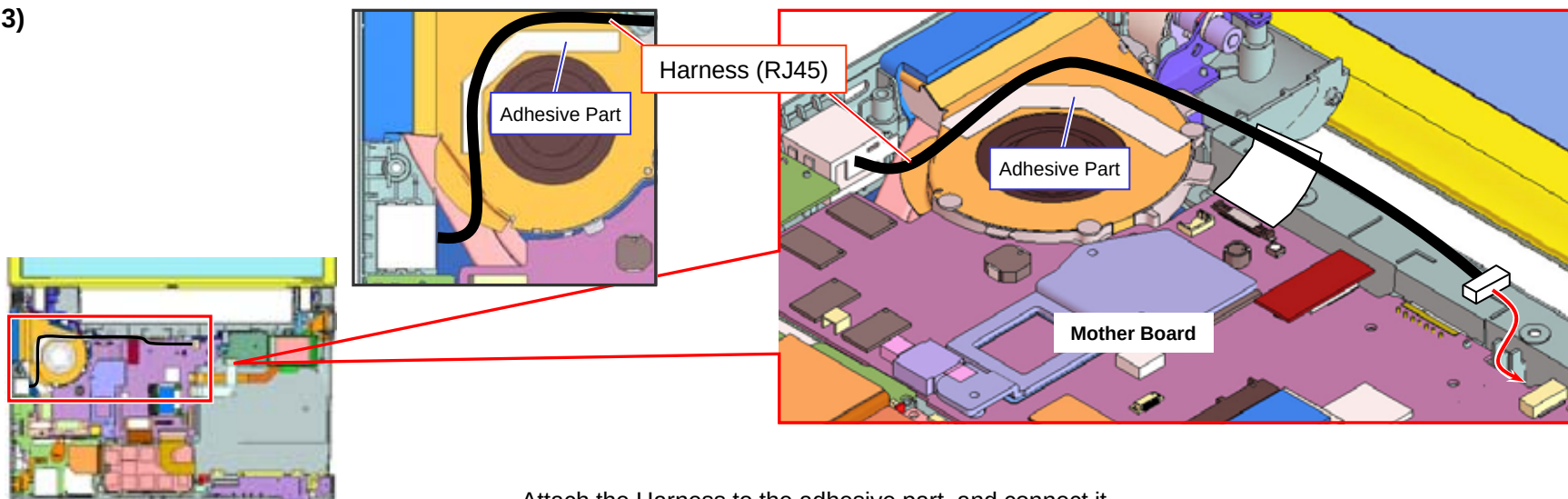
1. Attach the Sheet while aligning it with the mark-off lines (two places).
2. Peel off a piece of release paper.

2)



- Install the Harness while aligning it with the concave parts (four places).

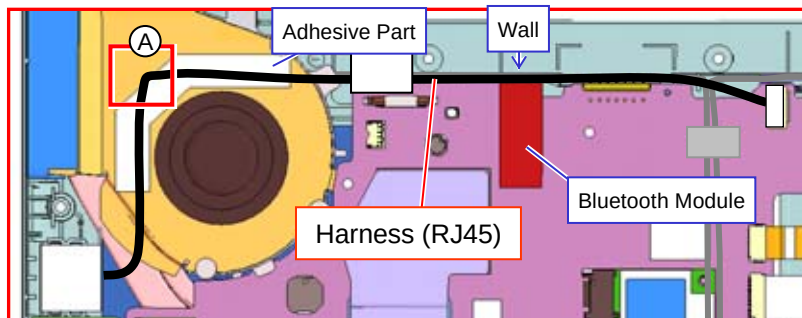
3)



- Attach the Harness to the adhesive part, and connect it.

Harness (RJ45) -2

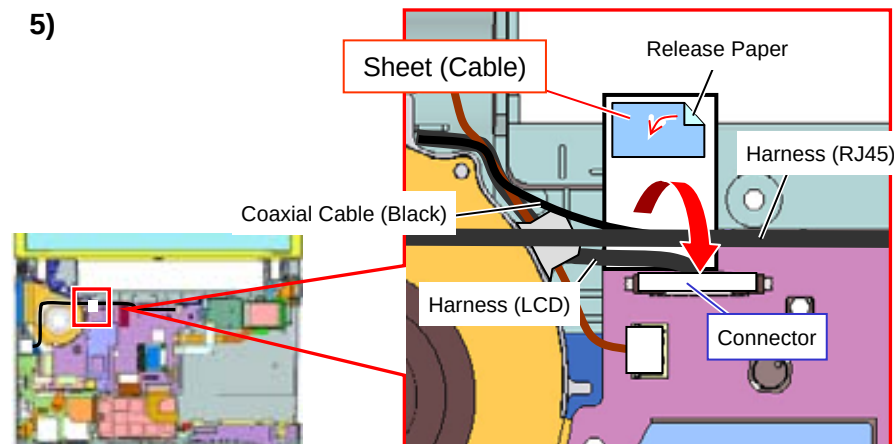
4)



Wire the Harness as follows.

1. Pass it along the wall, and pass it between the wall and the Bluetooth Module.
2. Attach the Harness to the adhesive part, and put the excess part of it in the A part.

5)

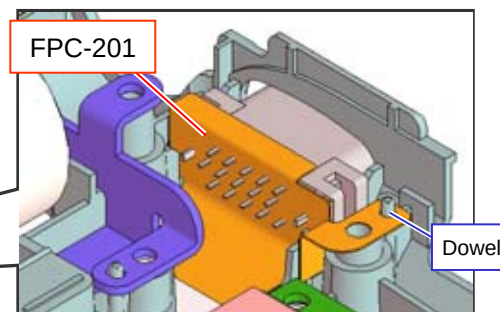
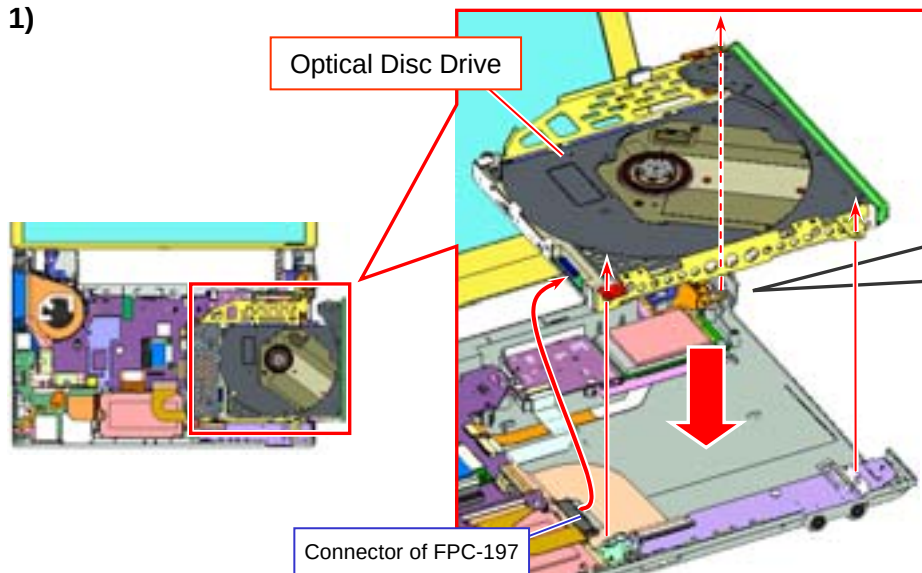


1. Peel off a piece of release paper, and turn up the Sheet (one place) to cover the Harnesses (two places) and the coaxial cable (one place).
2. Attach the Sheet to the connector and secure it.

Optical Disc Drive -1

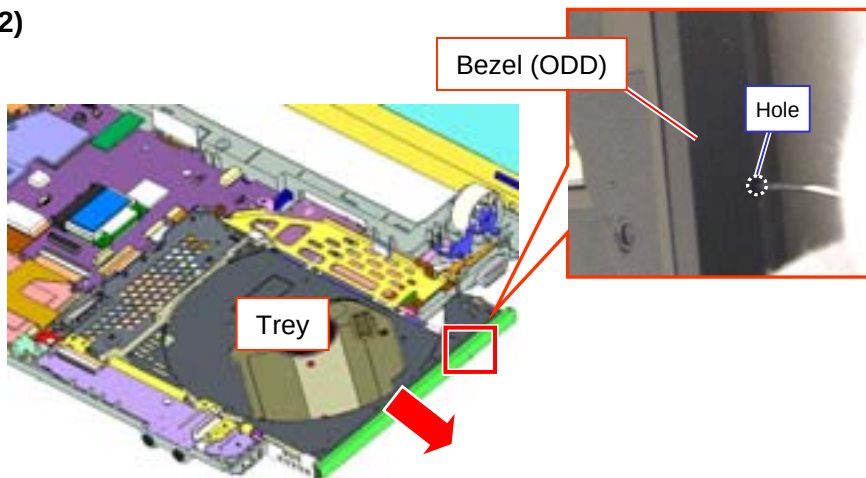
ODD Model

1)



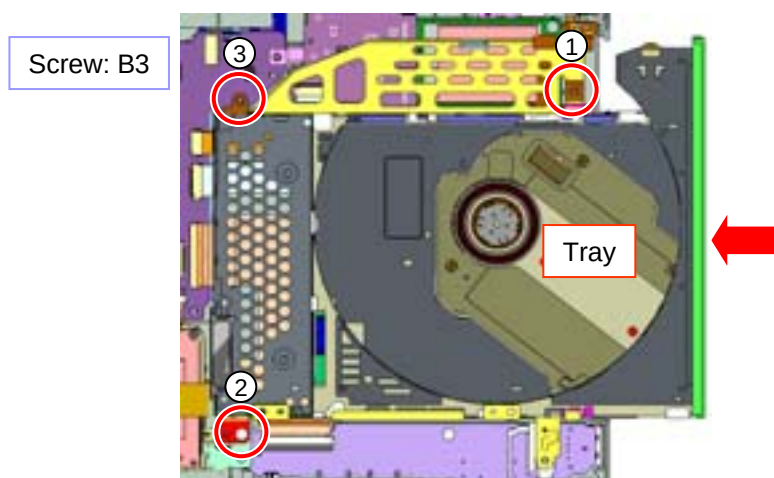
1. Check that the dowel (one place) fits into the hole of the FPC-201.
2. Lift the connector of the FPC-197 and connect it to the Optical Disc Drive, and install the Optical Disc Drive while aligning it with the three dowels.

2)



Insert a thin tool into the hole of the Bezel and eject the Tray.

3)

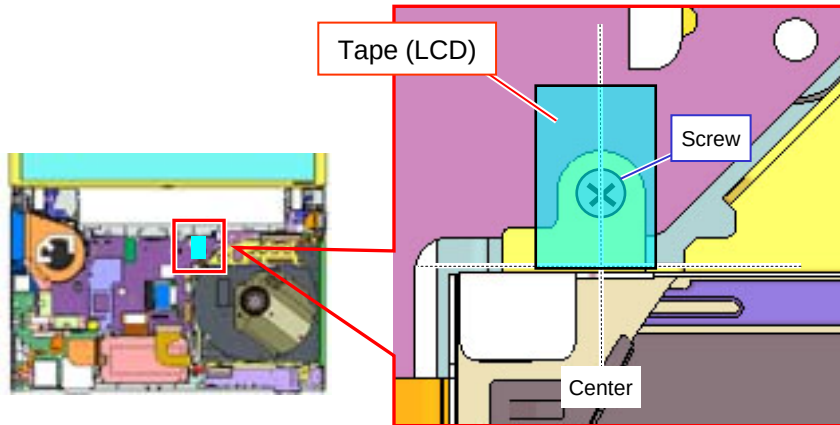


Tighten the three screws in order, and close the Tray.

Optical Disc Drive -2

ODD Model

4)

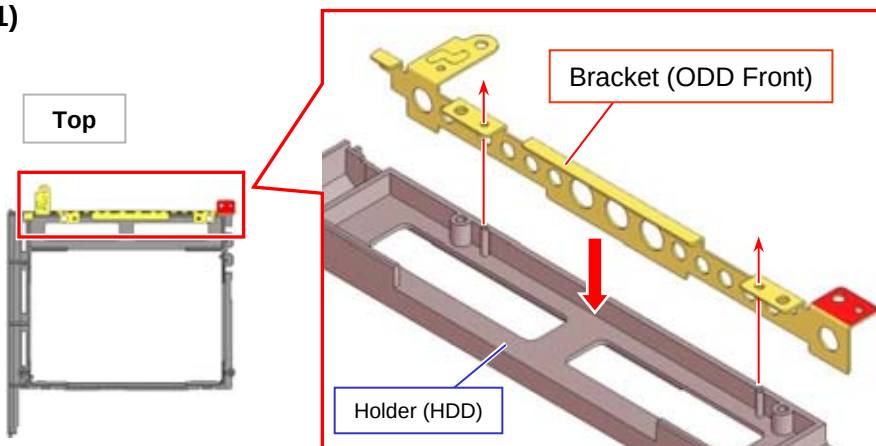


Attach the Tape (one place).

Holder (HDD) -1

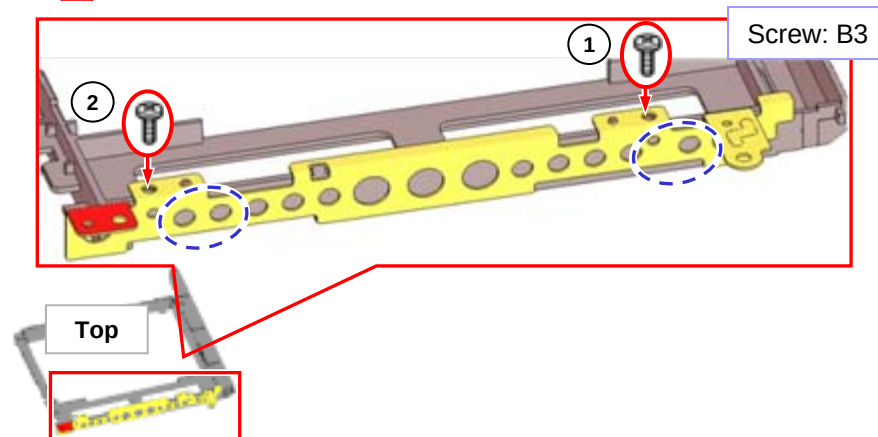
HDD / No-HDD, No-ODD Model ⚠ [MA]

1)



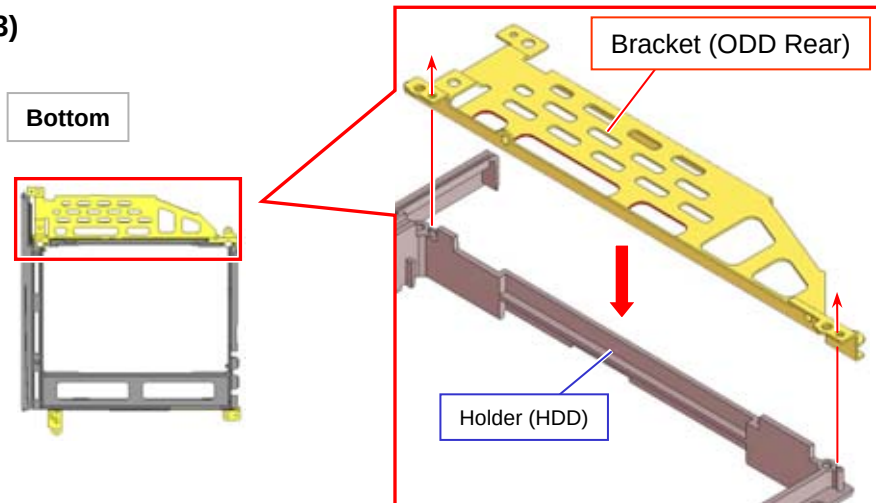
Install the Bracket while aligning it with the dowels (two places).

2) ⚠ [CHG]



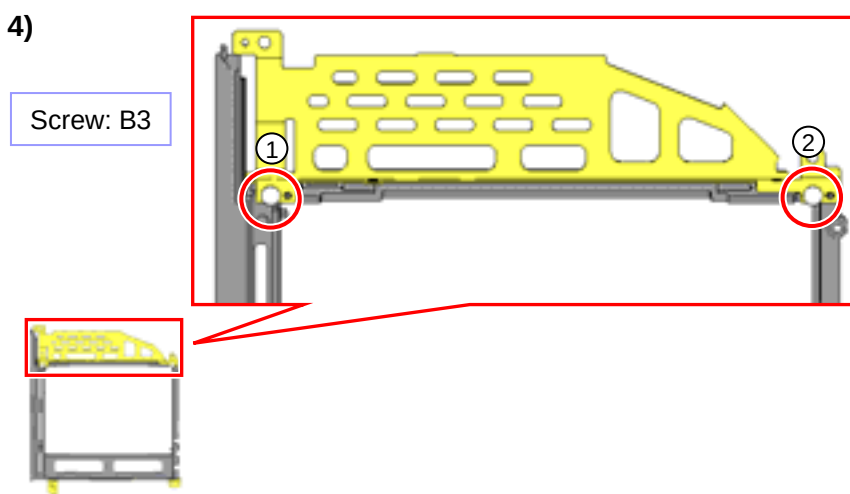
While pushing the dotted lines (two places) tighten the two screws in order.

3)



Install the Bracket while aligning it with the dowels (two places).

4)



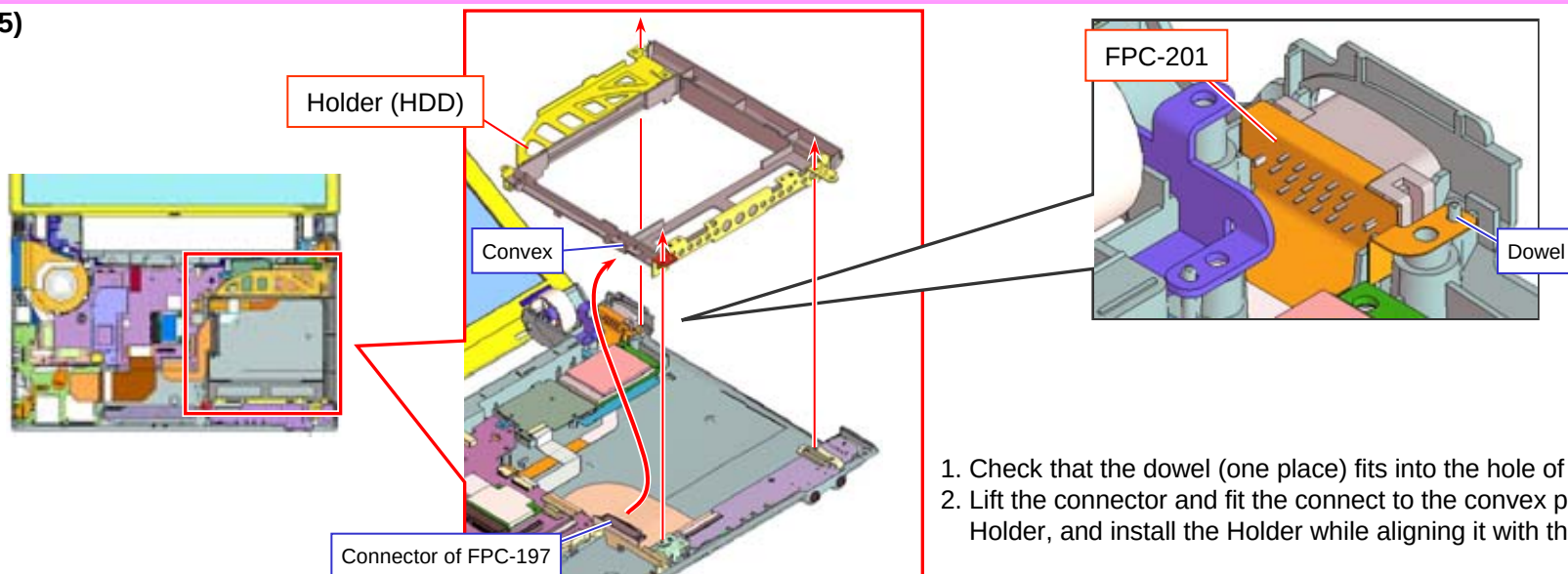
Tighten the two screws in order.

Holder (HDD) -2

HDD / No-HDD, No-ODD Model

⚠ [MA]

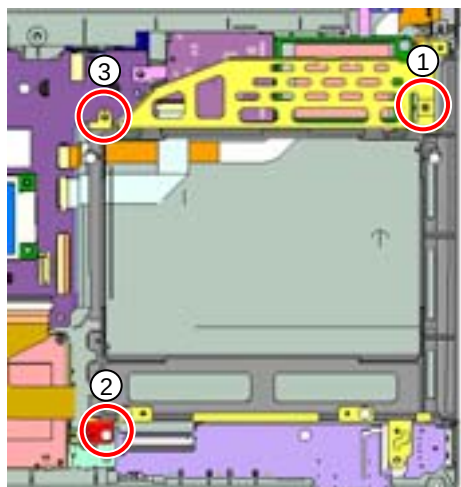
5)



1. Check that the dowel (one place) fits into the hole of the FPC-201.
2. Lift the connector and fit the connector to the convex part of the Holder, and install the Holder while aligning it with the three dowels.

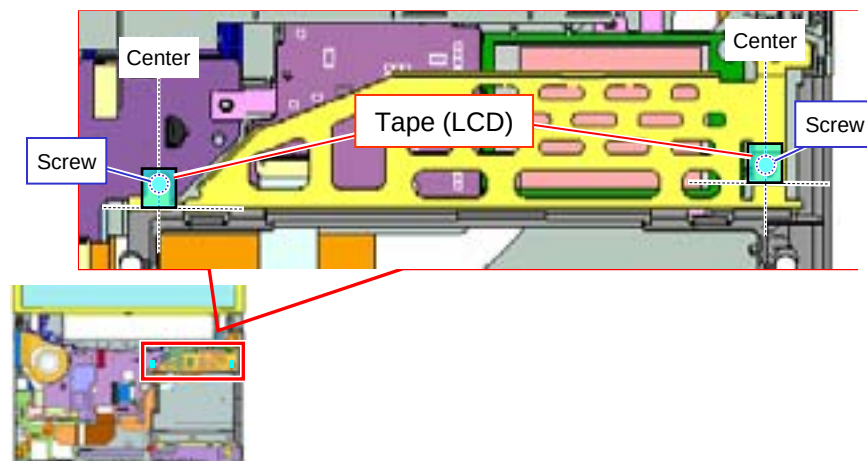
6)

Screw: B3



Tighten the three screws in order.

7) ⚠ [MA]

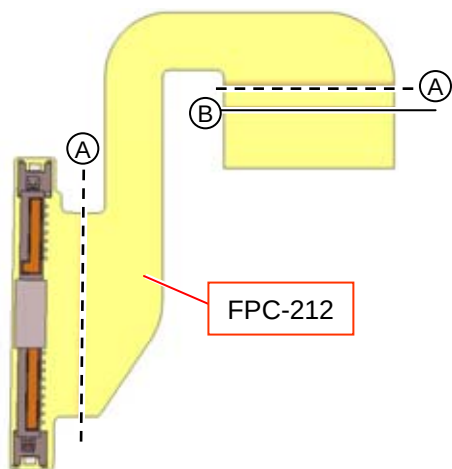


Attach the Tapes (two places).

HDD -1

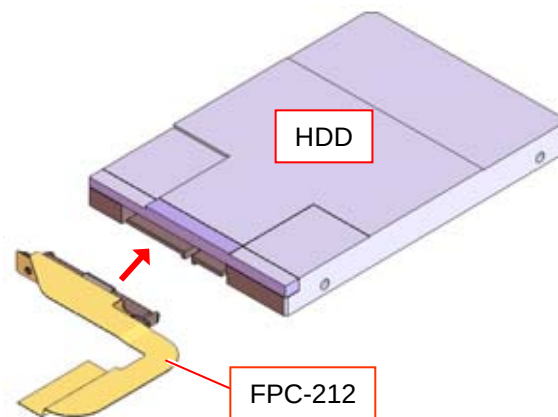
HDD Model

1)



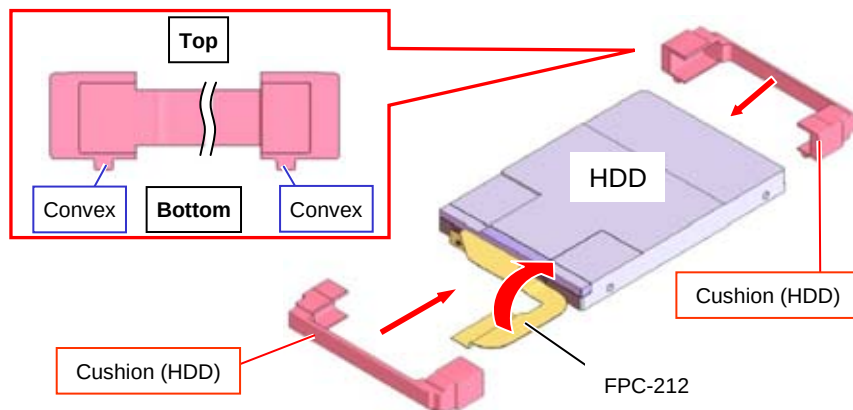
Make mountain fold along the A lines (two places) and make valley fold along the B line (one place) to make creases.

2)



Connect the FPC (one place).

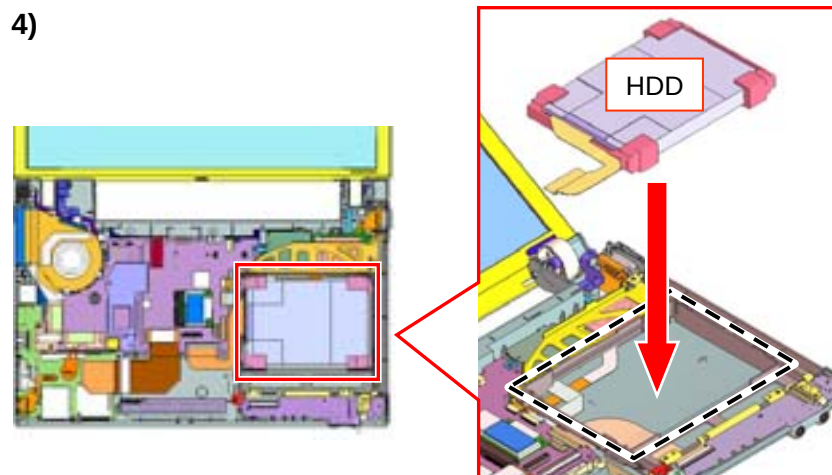
3)



Keep the FPC (one place) up, and install the Cushions (two places) by fitting them to the shape of the installation positions.

* Pay attention to the direction of the top and bottom.

4)

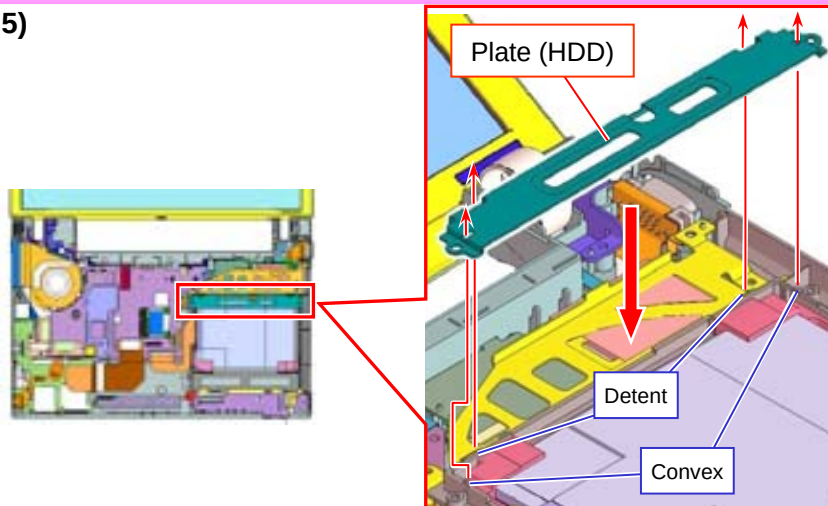


Install the HDD by fitting it to the shape of the installation position.

HDD -2

HDD Model

5)



Install the Plate while aligning it with the detents (two places) and the convex parts (two places).

6)

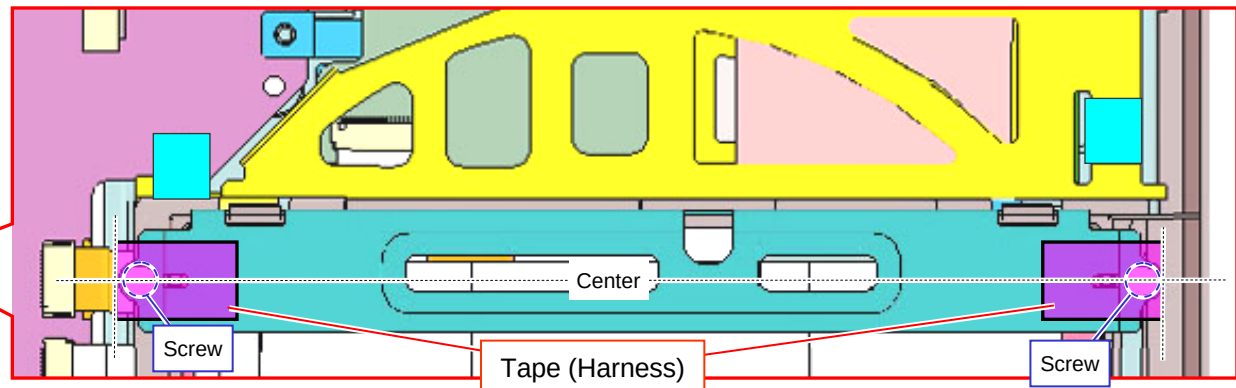
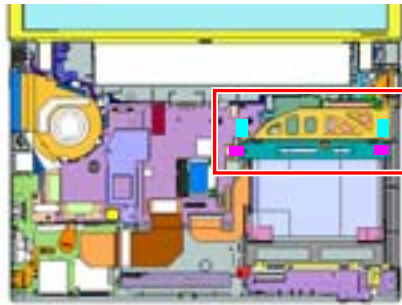


Tighten the two screws.

7) ⚠ [MA]

1st / 2nd Model

⚠ [MA]

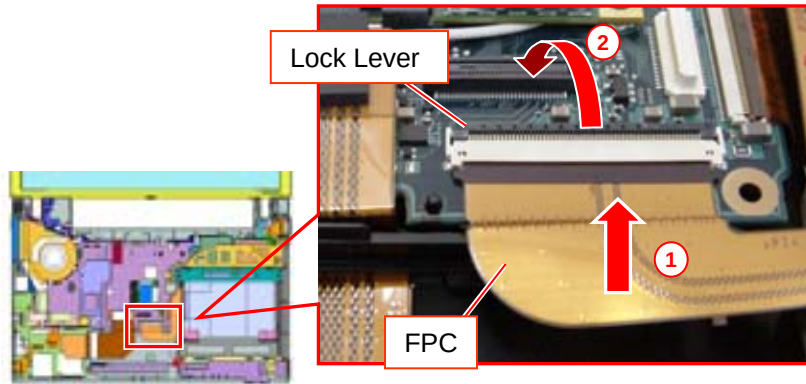


Attach the Tapes (two places).

HDD -3

HDD Model

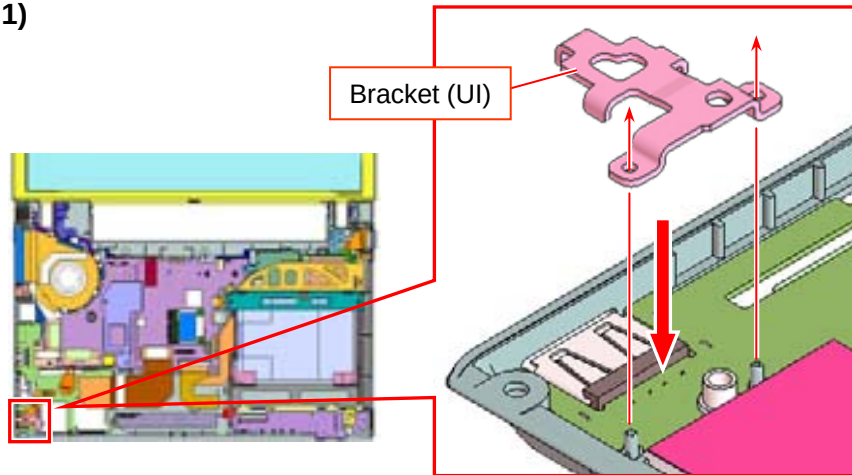
8)



Connect the FPC (arrow 1), and rotate down the lock lever to lock (arrow 2).

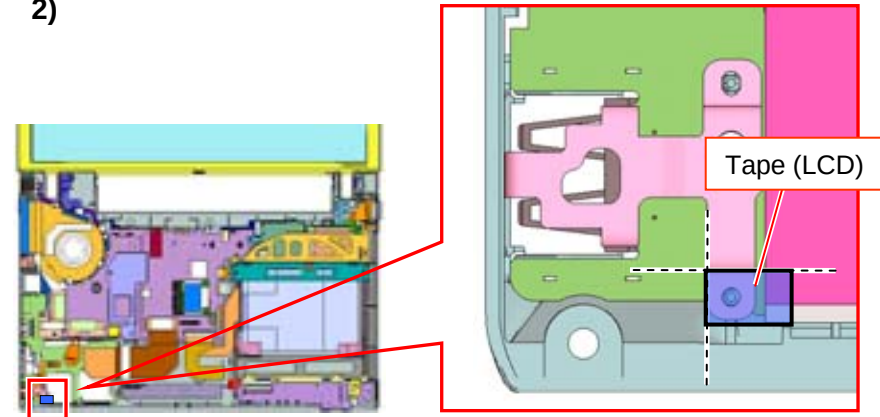
Palmrest -1

1)



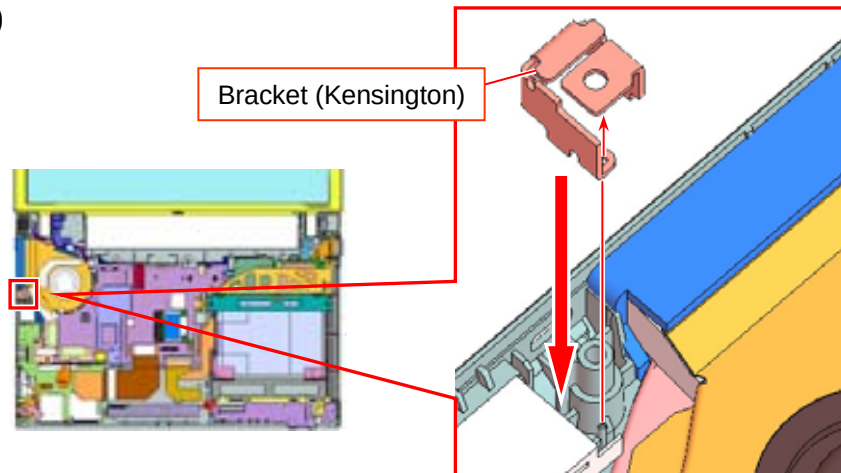
Install the Bracket while aligning it with the dowels (two places).

2)



Attach the Tape (one place).

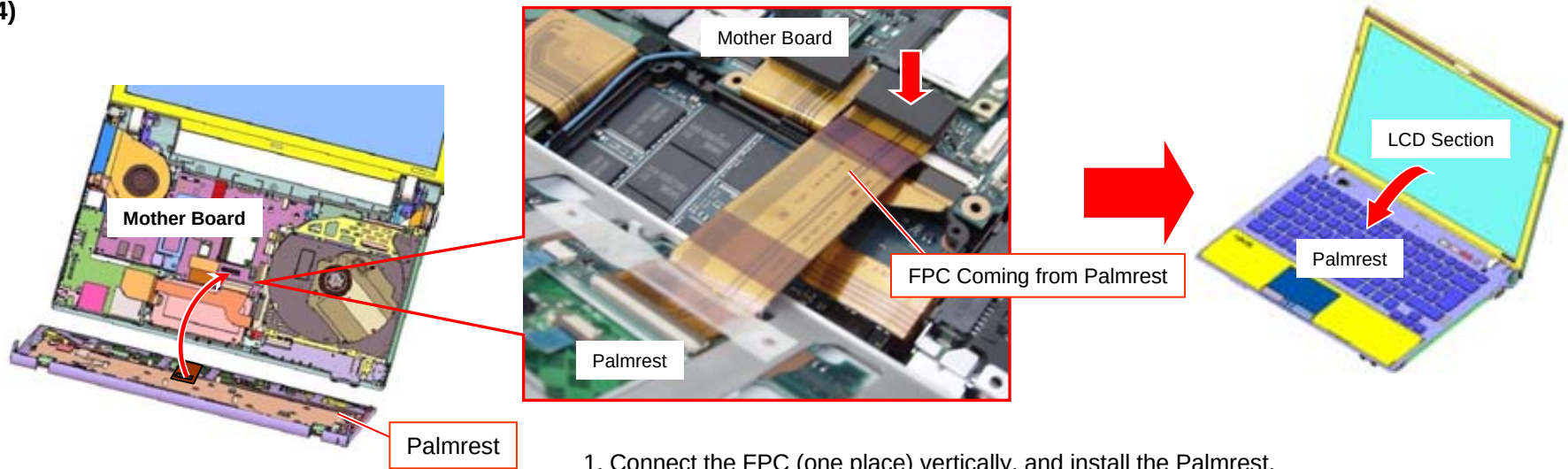
3)



Install the Bracket while aligning it with the dowel (one place).

Palmrest -2

4)

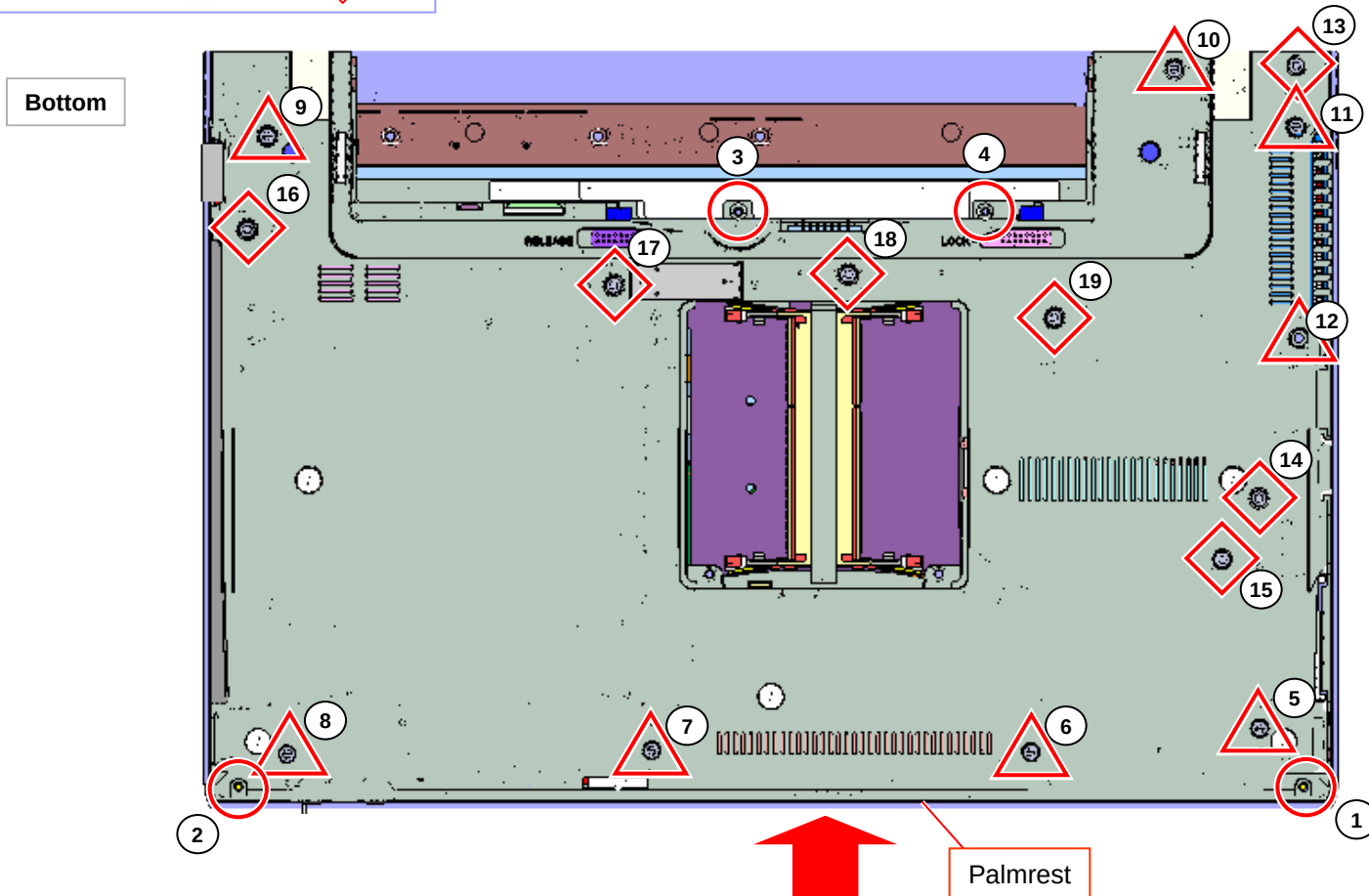


1. Connect the FPC (one place) vertically, and install the Palmrest.
2. While holding the center of the Palmrest, close the LCD Section.

Palmrest -3

5)

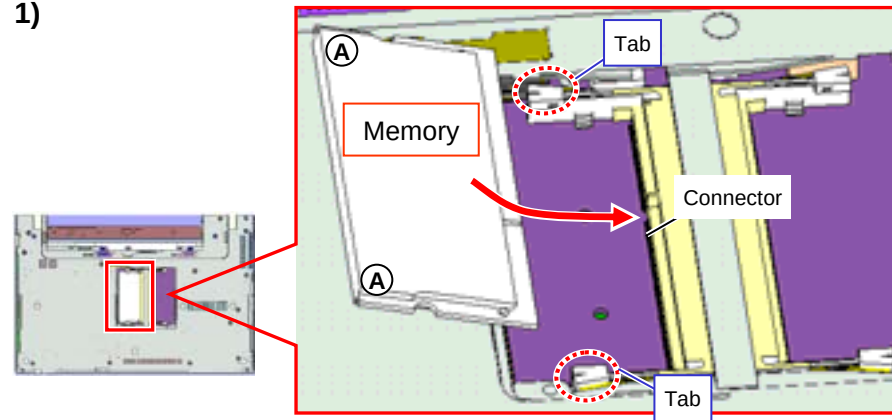
Screw: ○ =B2 / △ =B8 / ◇ =B5



While pushing the Palmrest toward the rear, tighten the 19 screws in order.

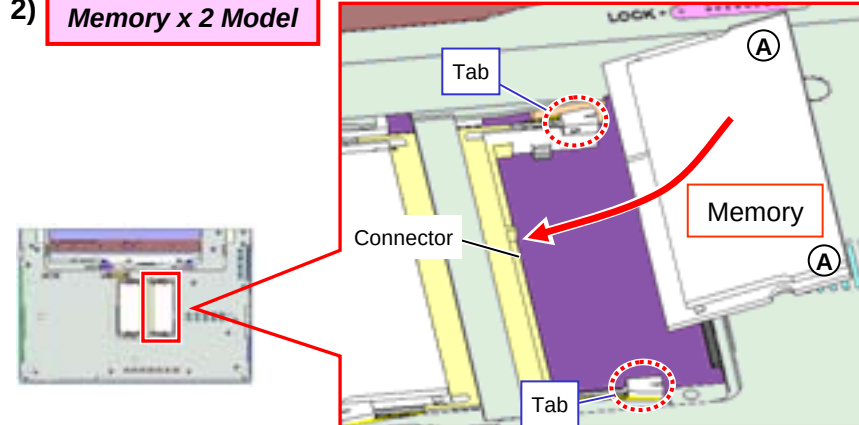
Memory

1)



Insert the Memory into the connector, and lower the A parts of the Memory (two places) until it is secured with the two tabs.

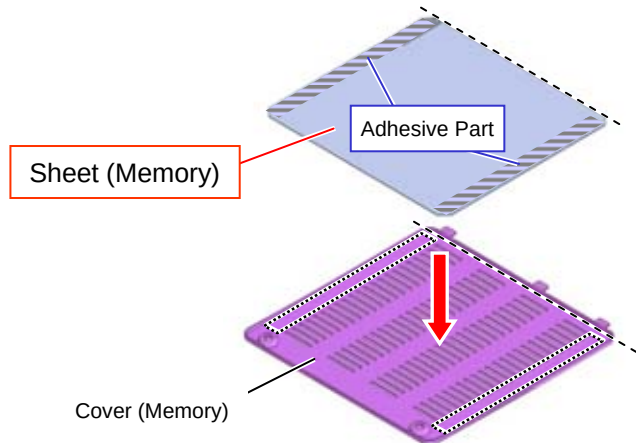
2)

Memory x 2 Model

Insert the Memory into the connector, and lower the A parts of the Memory (two places) until it is secured with the two tabs.

Cover (Memory)

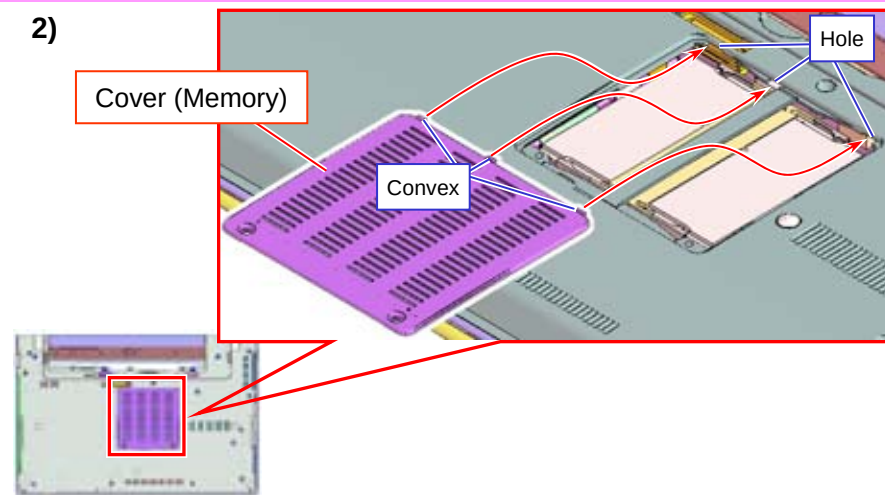
1)



Attach the Sheet (one place).

**Pay attention to the direction of the adhesive part.*

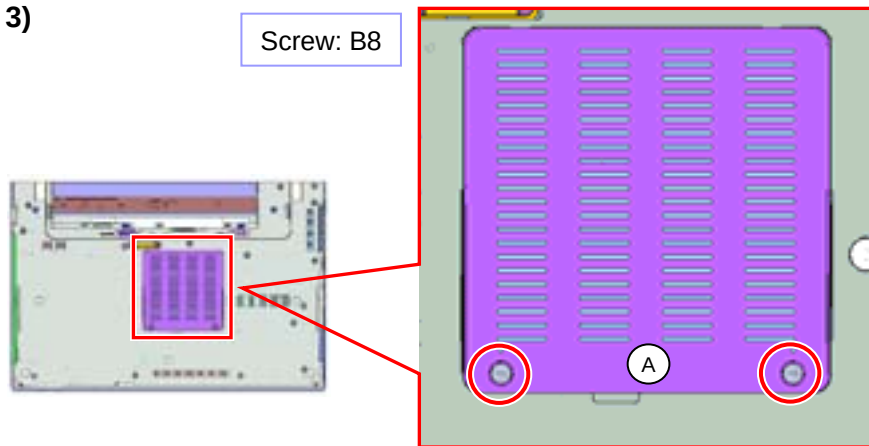
2)



Fit the convex parts (three places) into the holes (three places), and install the Cover.

3)

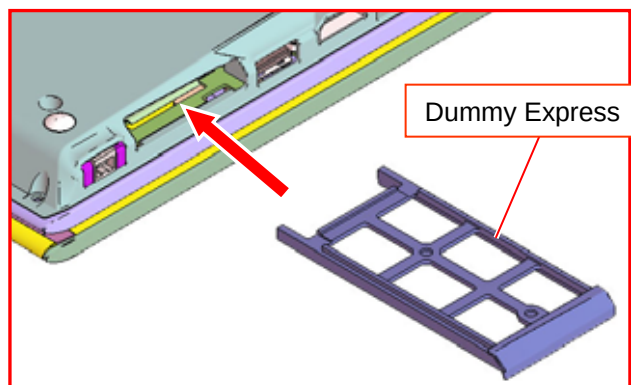
Screw: B8



Tighten the two screws while holding the A part.

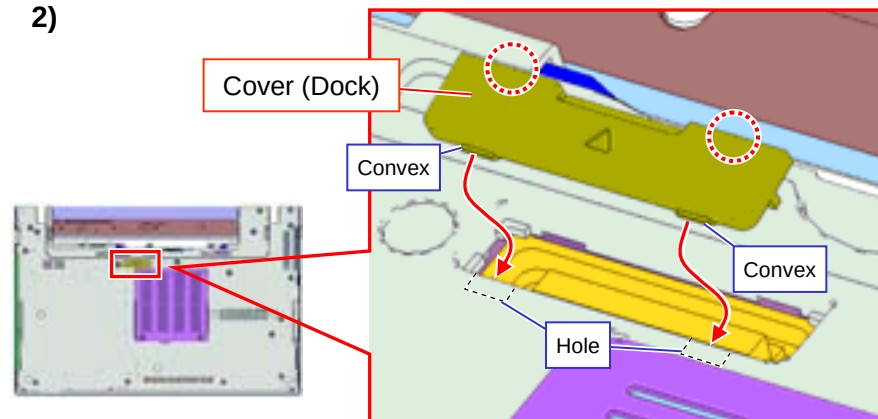
Dummy Express, Cover (Dock), Heat Caution Label, Laser Caution Label

1)



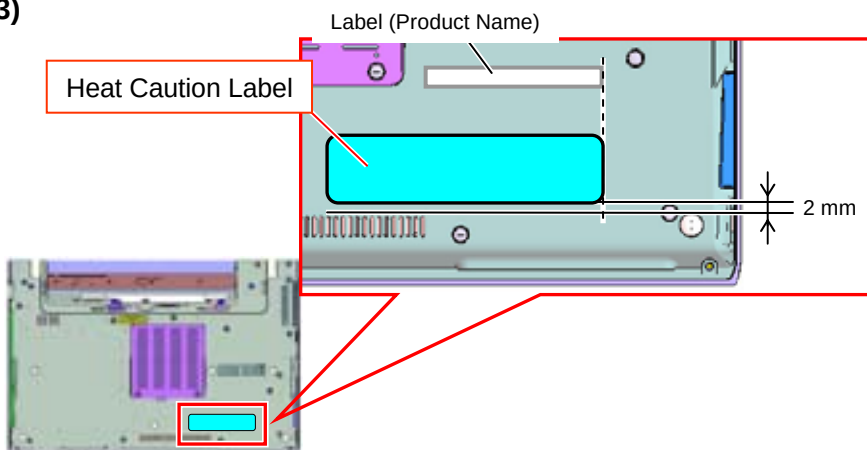
Install the Dummy Express.

2)



Fit the two convex parts into the two holes, and install the Cover by engaging the two detents.

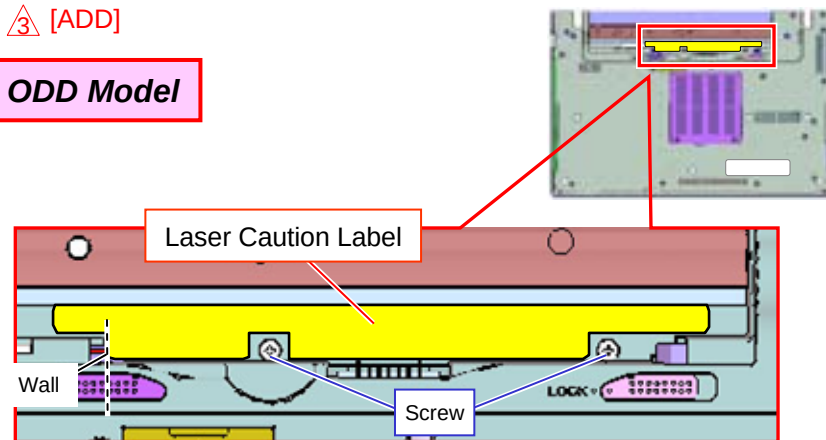
3)



Attach the Heat Caution Label (one place).

4) ⚠ [ADD]

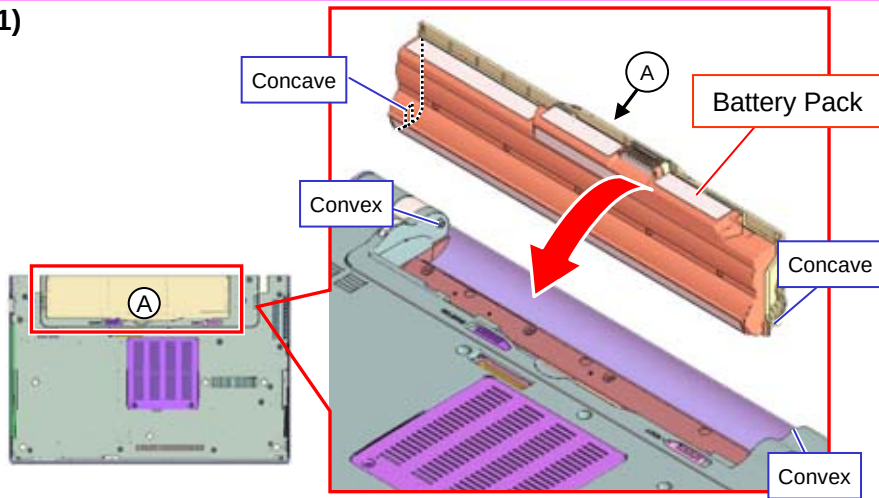
ODD Model



While avoiding two screws, attach the Laser Caution Label (one place).

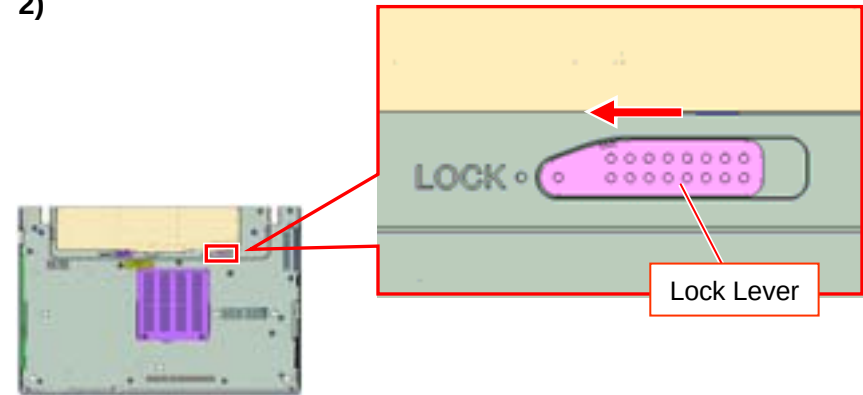
Battery Pack

1)



Fit the two concave parts to the two convex parts, and lower the Battery Pack by pushing the A part to install the Battery Pack.

2)



Slide the lock lever to the left side to lock.

Update History

[ADD]---Addition [DEL]---Deletion [CHG]---Change [COR]---Correction [MA]---Model Addition

Date		Contents	Version No.
2010.05.12		[MA] [ADD] Point [CHG] Wiring Processing / Procedure	2.00
2010.06.03		[ADD] Point [CHG] Illustration	2.10
2010.09.08		[MA] (Page 15, 19, 24, 25, 26, 27, 28, 29, 56) [ADD] Attachment (Page 63) [CHG] Illustration (Page 15)	3.00

Chapter 1. Disassembly & Assembly Guide

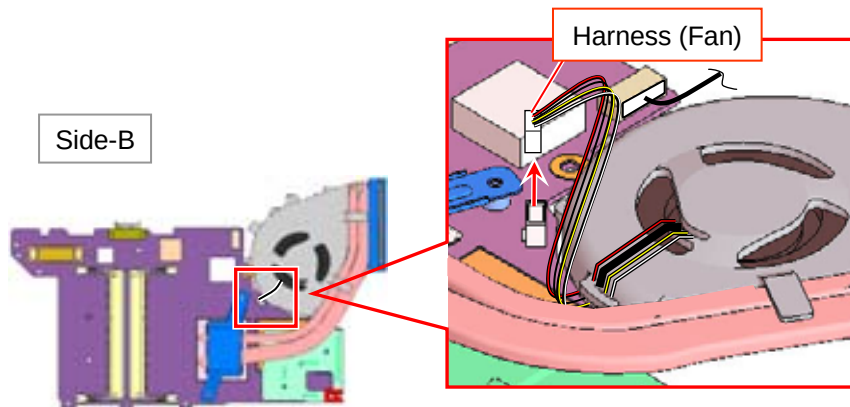
1-3. Disassembly & Assembly

- Mother Board Block -

M-1 Mother Board Block Disassembly

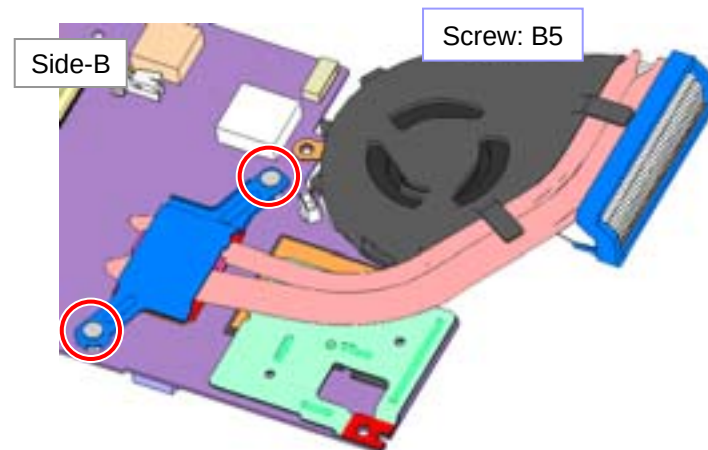
Fan -1

1)



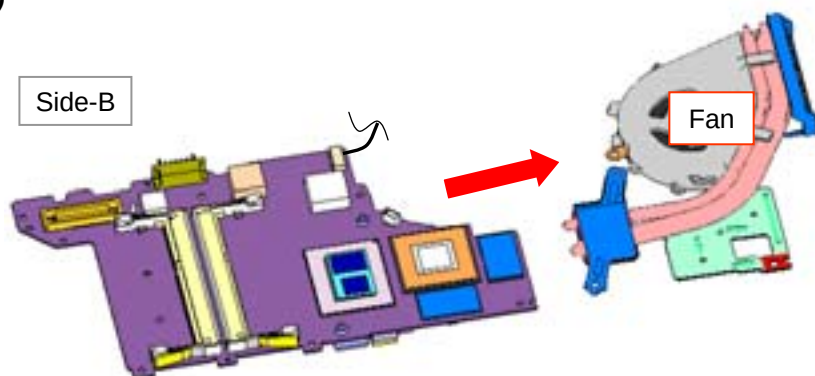
Disconnect the Harness.

2)

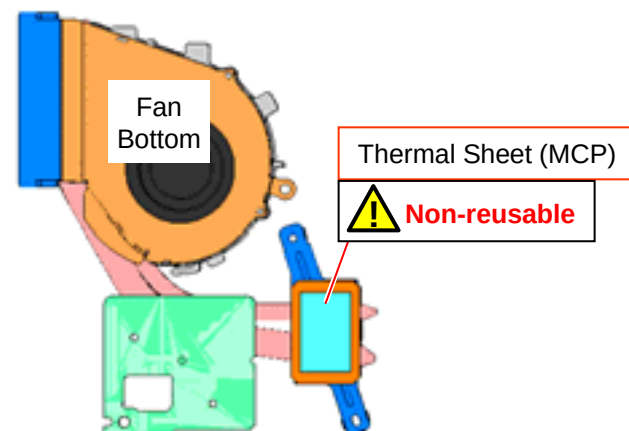


Remove the two screws.

3)



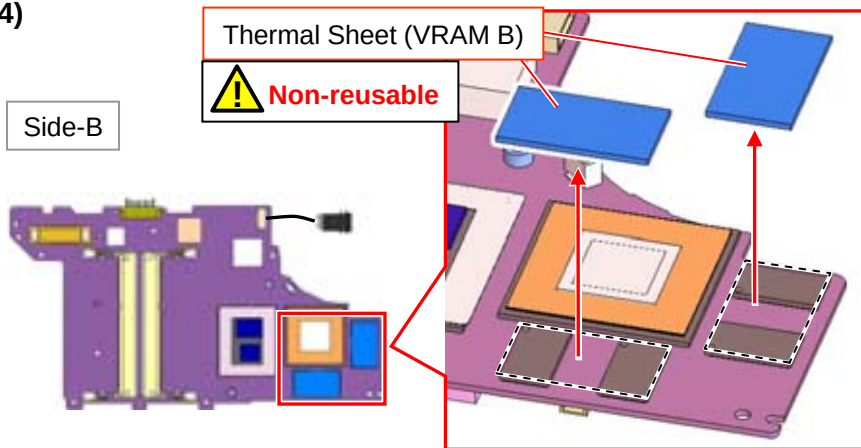
Remove the Fan horizontally in the direction of the arrow.

Remark

The Thermal Sheet (one place) is attached.

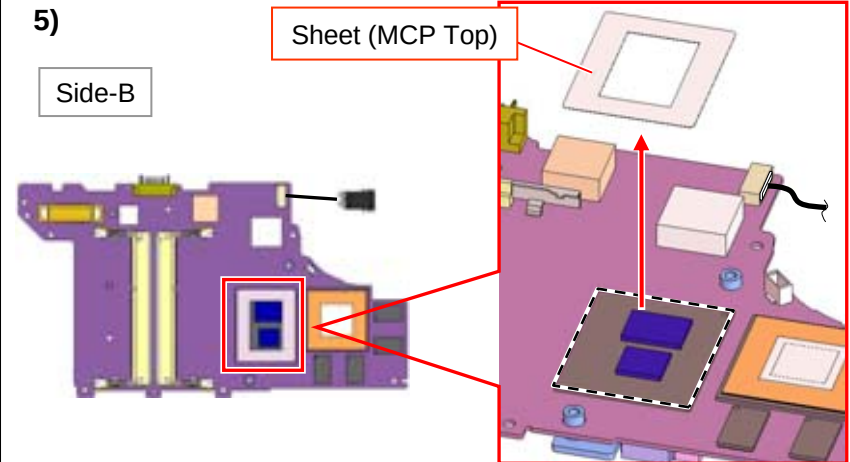
Fan -2

4)



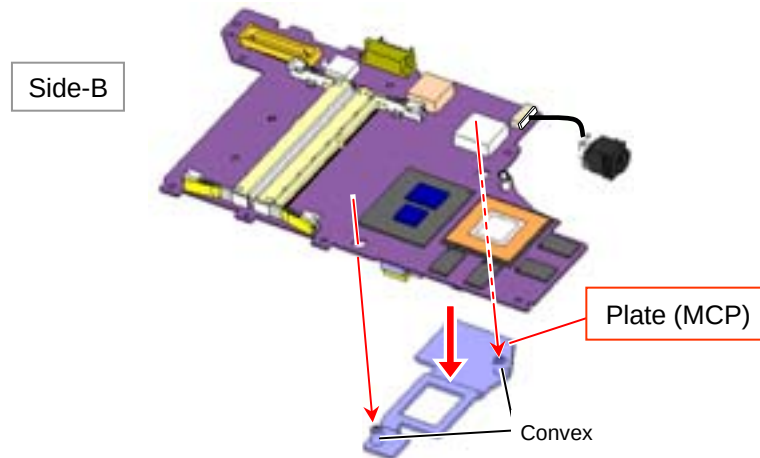
Peel off the Thermal Sheets (two places).

5)



Peel off the Sheet (one place).

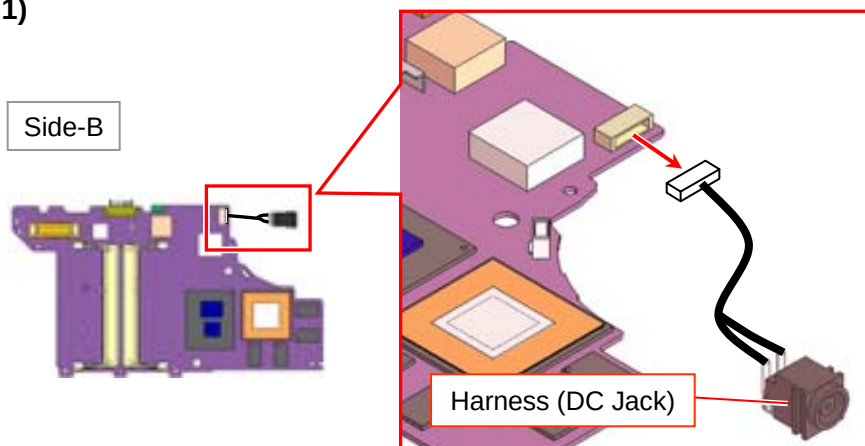
6)



Release the two convex parts from the two holes, and remove the Plate from the underside of the Mother Board.

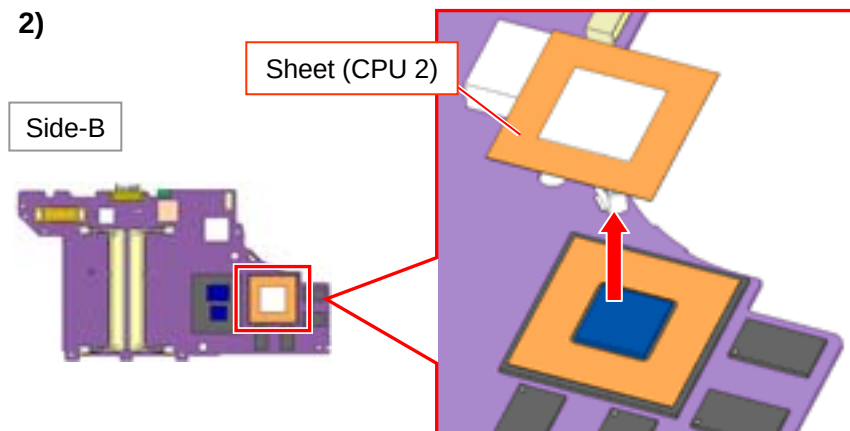
Harness (DC Jack), Sheet (CPU 2)

1)



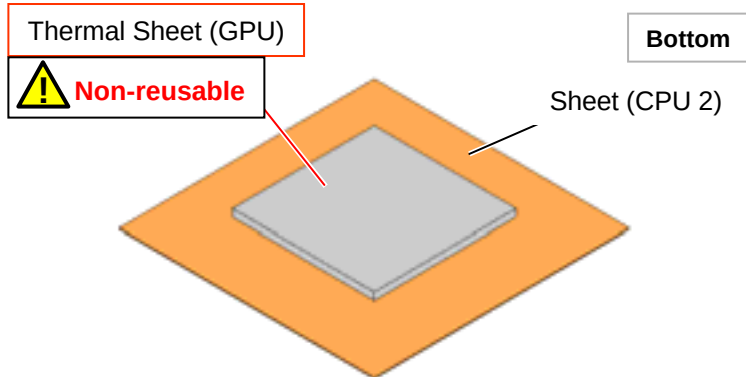
Disconnect the Harness.

2)



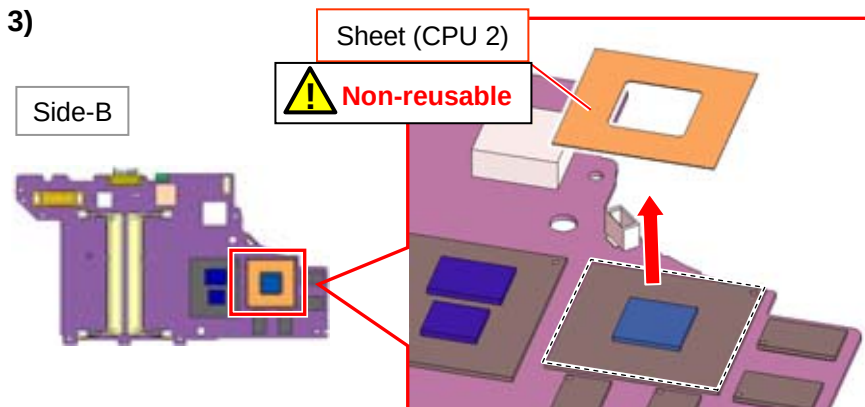
Peel off the Sheet (one place).

Remark



The Thermal Sheet (one place) is attached.

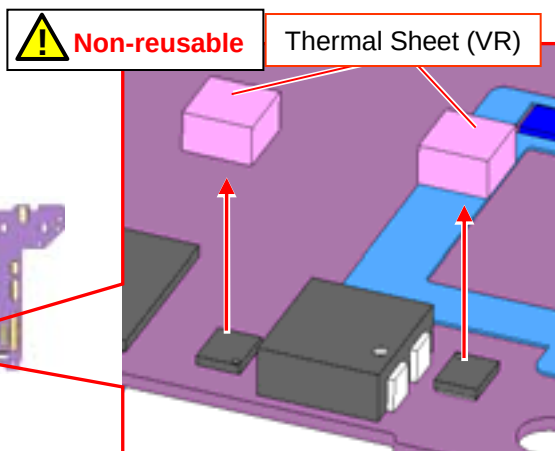
3)



Peel off the Sheet (one place).

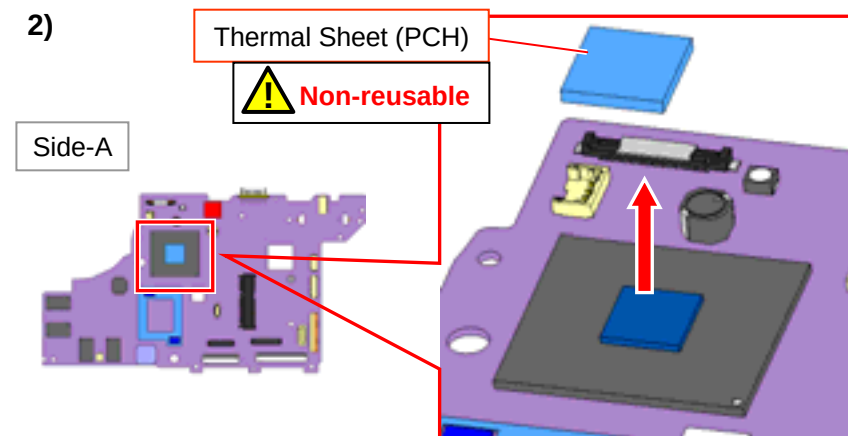
Adhesive Parts

1)



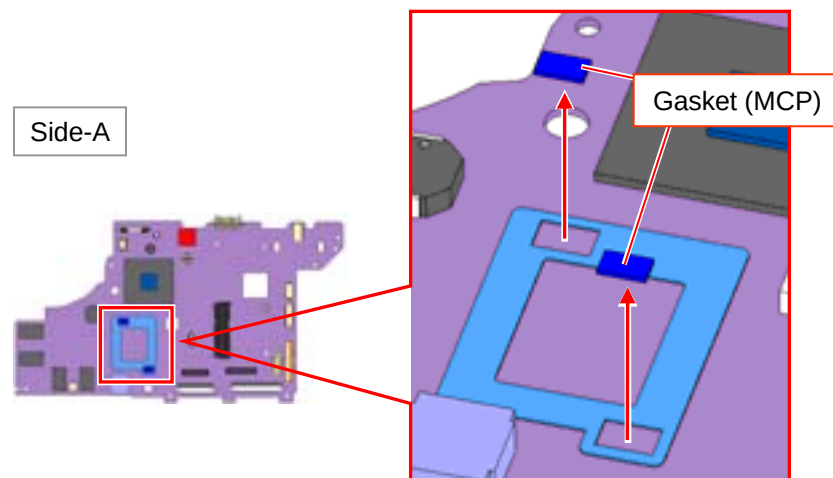
Peel off the Thermal Sheets (two places).

2)



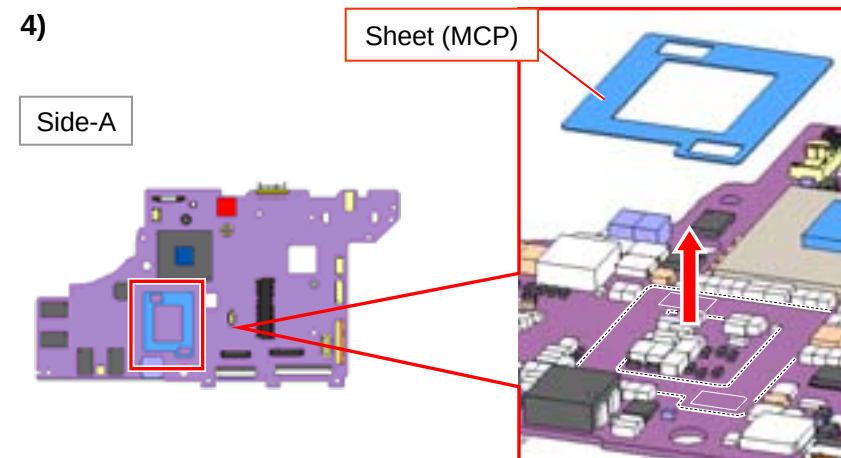
Peel off the Thermal Sheet (one place).

3)



Peel off the Gaskets (two places).

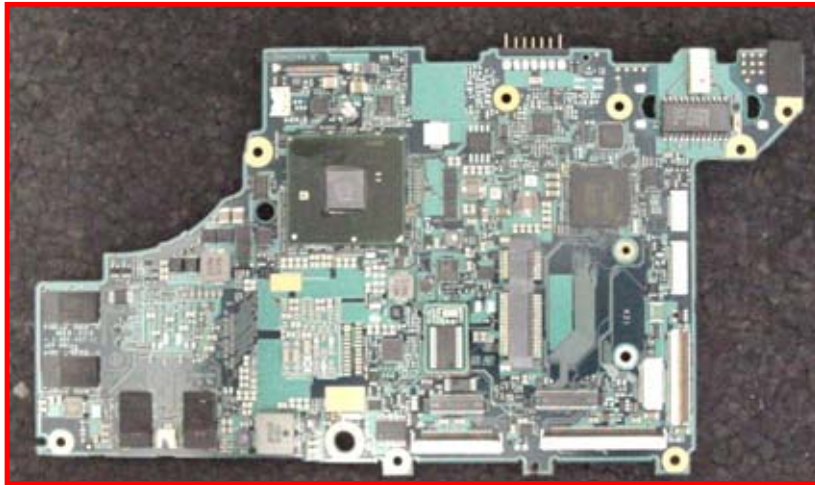
4)



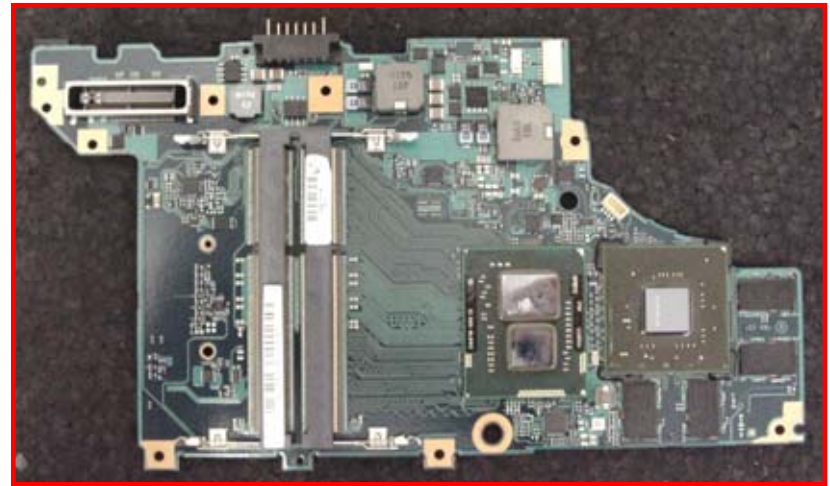
Peel off the Sheet (one place).

Service A-ban [Mother Board]

Side-A



Side-B



Update History

[ADD]---Addition [DEL]---Deletion [CHG]---Change [COR]---Correction [MA]---Model Addition

Date		Contents	Version No.
-	-	-	-

Chapter 1. Disassembly & Assembly Guide

1-3. Disassembly & Assembly

- Mother Board Block -

M-1 Mother Board Block Assembly

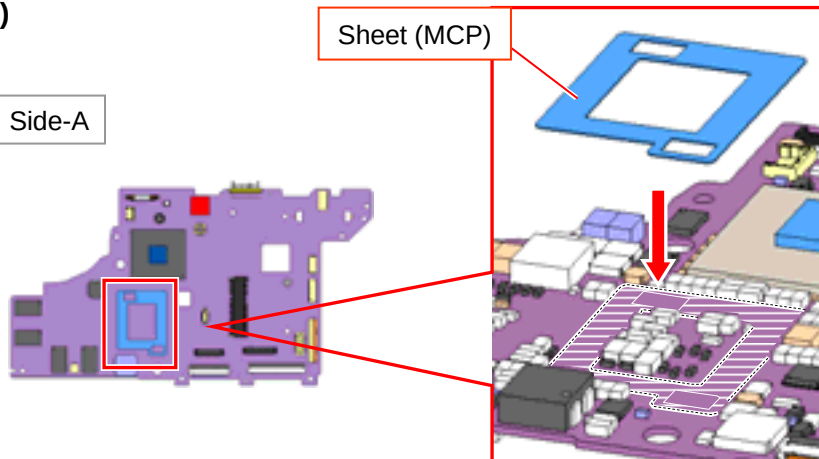
Note: For the attached articles, check the position attached to the parts before replacing, and attach them to the same position.

Adhesive Parts

1)

Sheet (MCP)

Side-A



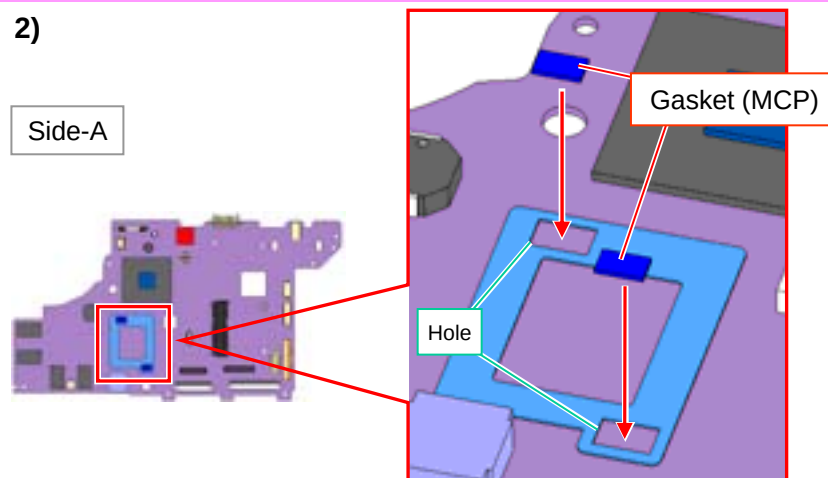
While paying attention to the direction, attach the Sheet (one place) to the shaded area.

* Be careful not to attach it on the chips around the area.

2)

Gasket (MCP)

Side-A



Install the Gaskets (two places) while aligning them with the holes (two places).

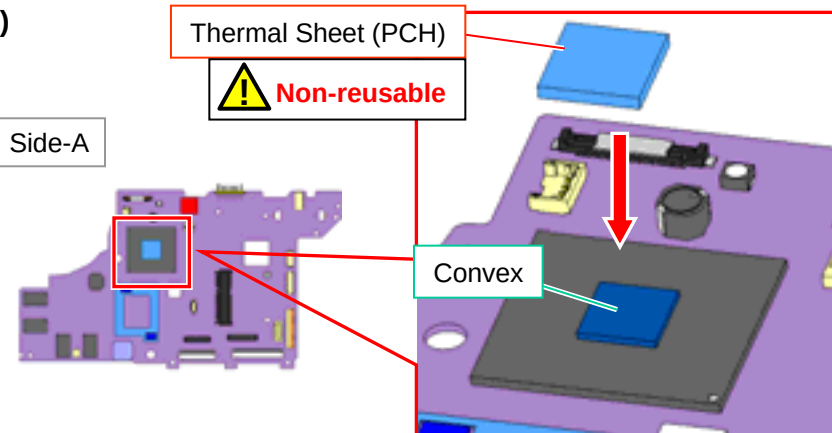
3)

Thermal Sheet (PCH)

 **Non-reusable**

Side-A

Convex



Attach the Thermal Sheet (one place) to the convex part.

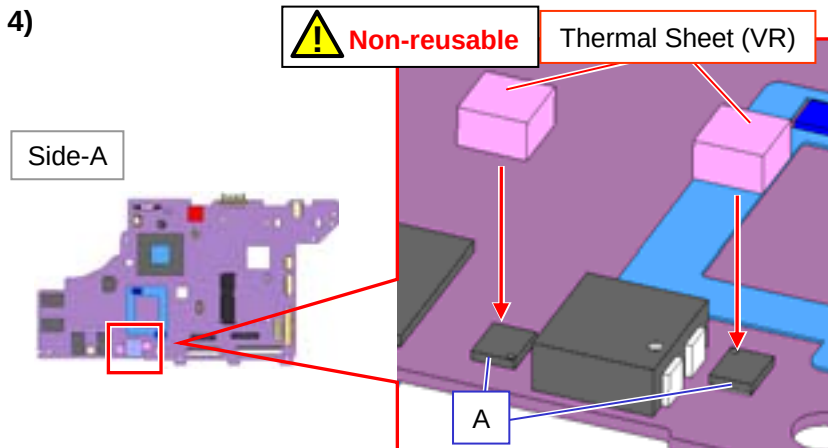
4)

**Non-reusable**

Thermal Sheet (VR)

Side-A

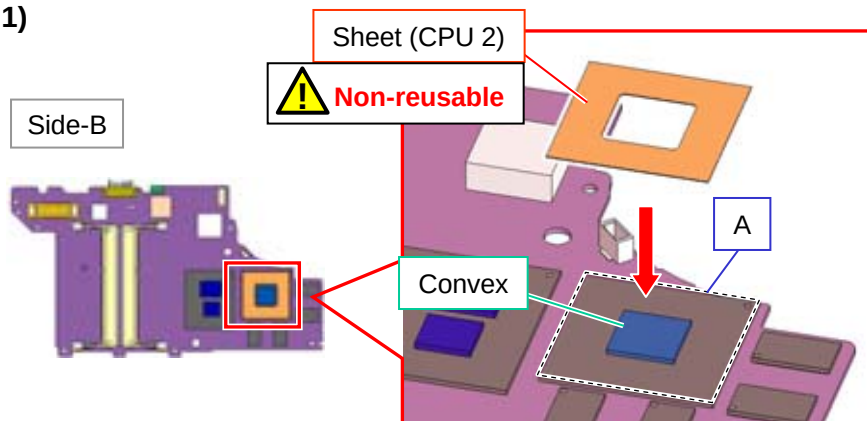
A



Attach the Thermal Sheets (two places) to the A parts (two places).

Sheet (CPU 2)

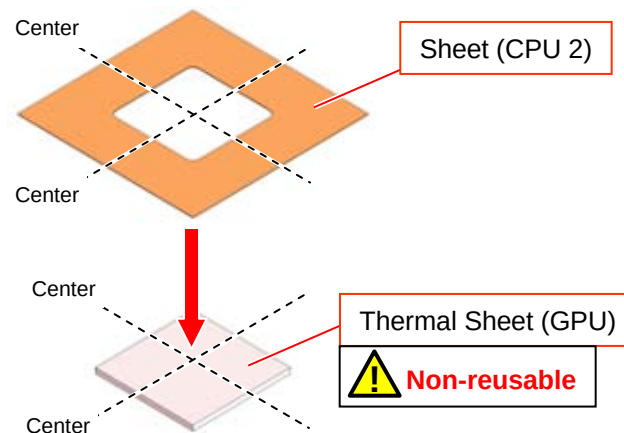
1)



Attach the Sheet (one place) by aligning the outlines of it and A part (one place).

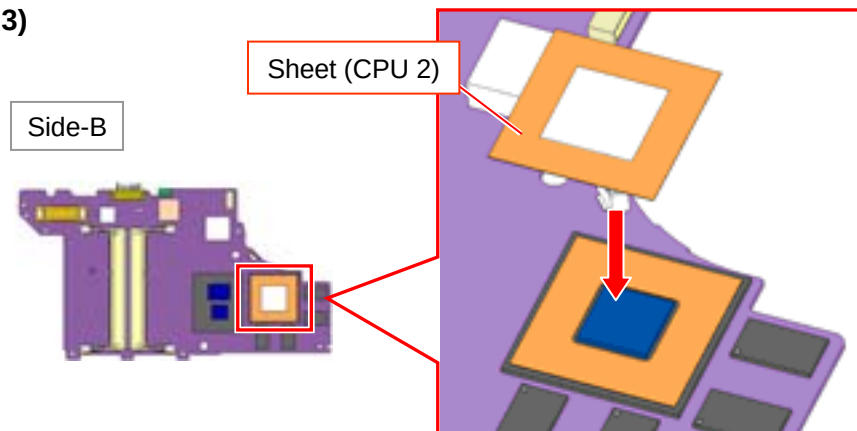
* Be careful not to cover the convex part.

2)



Attach the Sheet (one place).

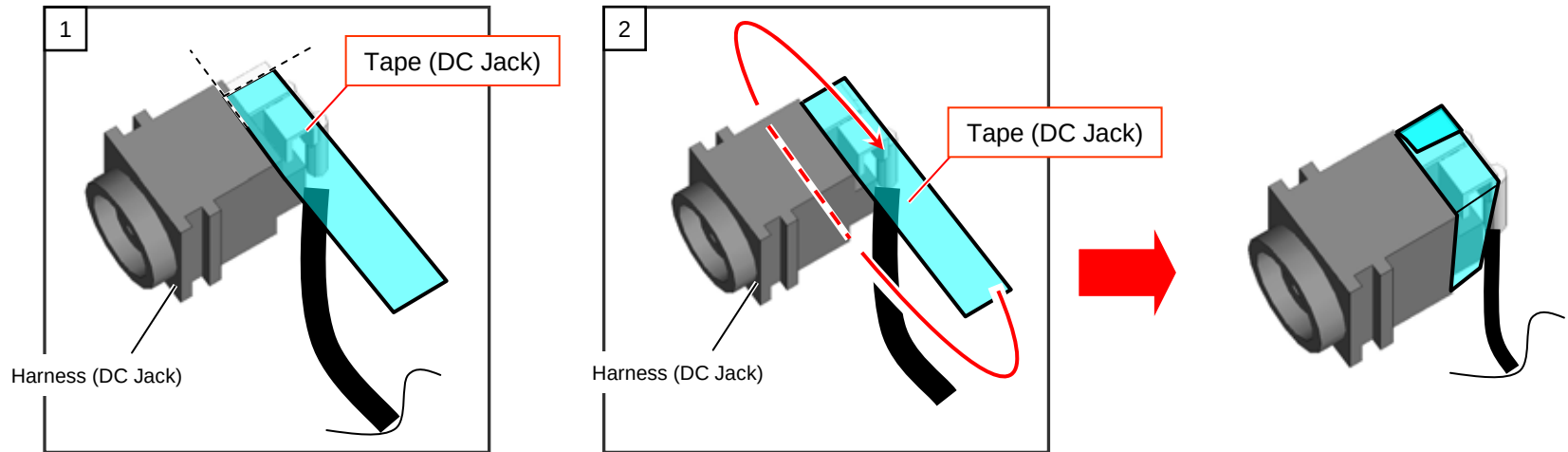
3)



Attach the Sheet (one place).

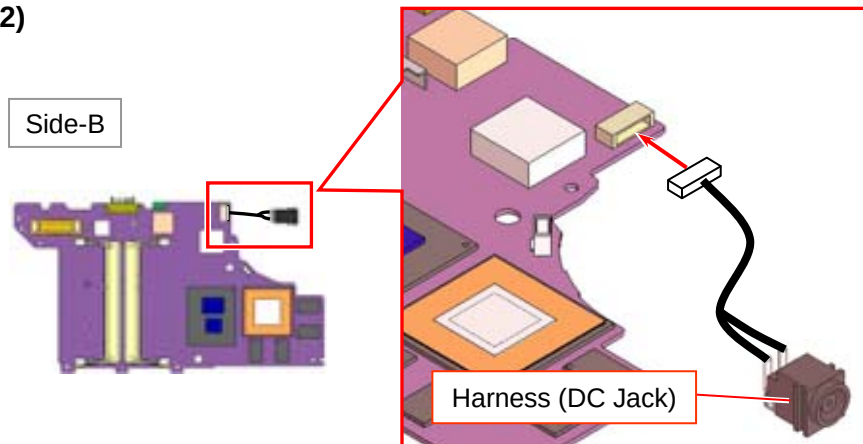
Harness (DC Jack)

1)



Attach the Tape (one place) by fitting it along the shape of the Harness.

2)

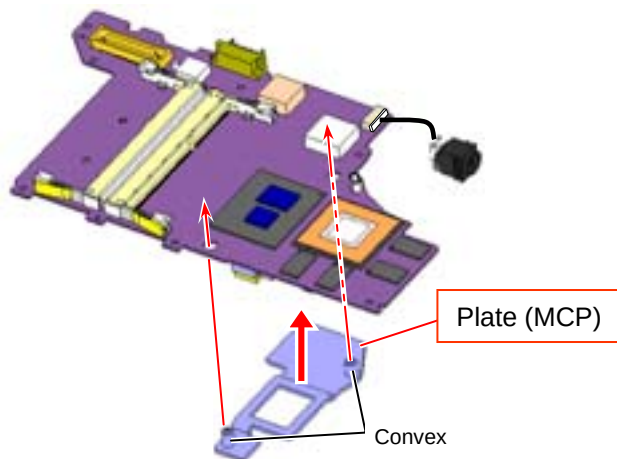


Connect the Harness.

Fan -1

1)

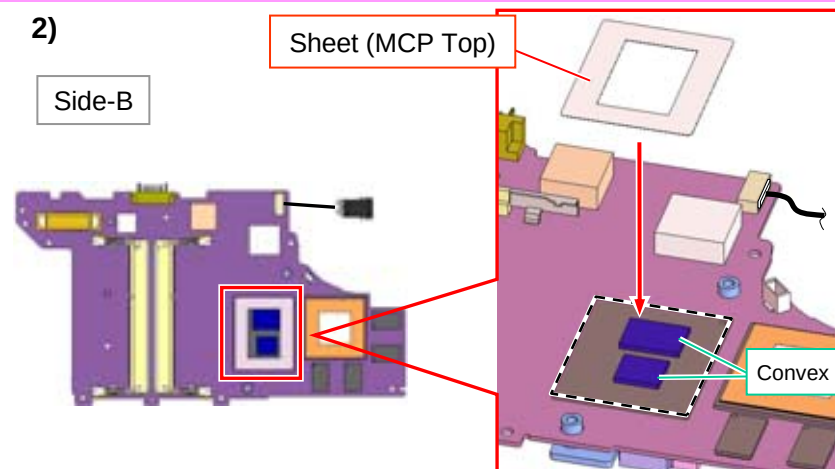
Side-B



Install the Plate from the under side of the Mother Board while fitting the two convex parts into the two holes.

2)

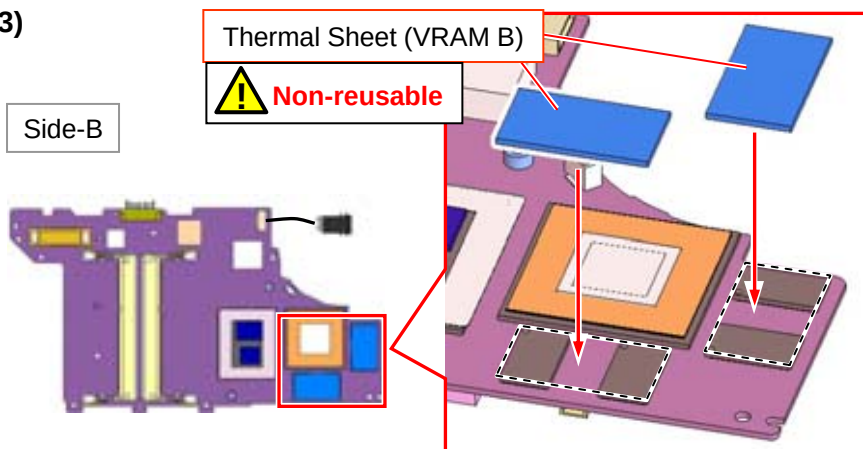
Side-B



Attach the Sheet (one place) not to cover the two convex parts.

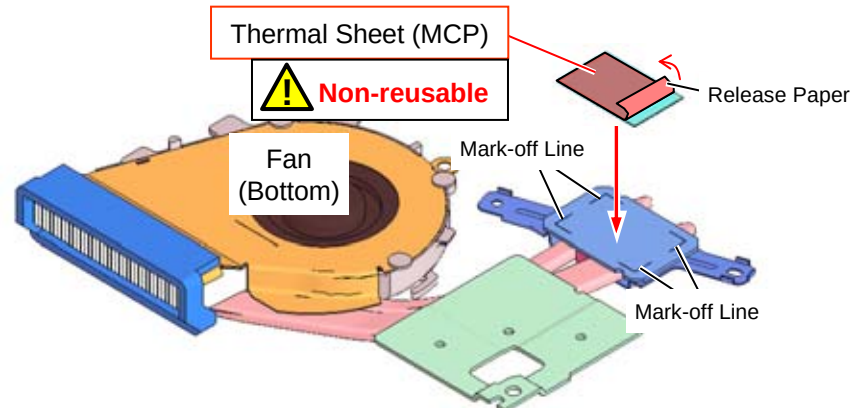
3)

Side-B



Attach the Thermal Sheets (two places).

4)

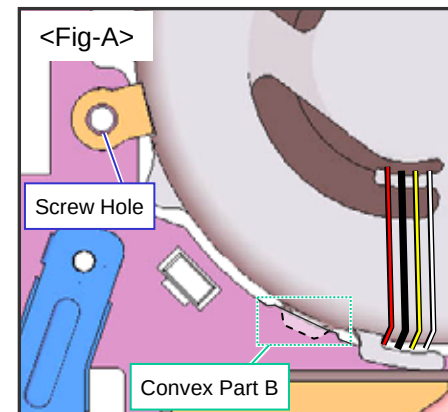
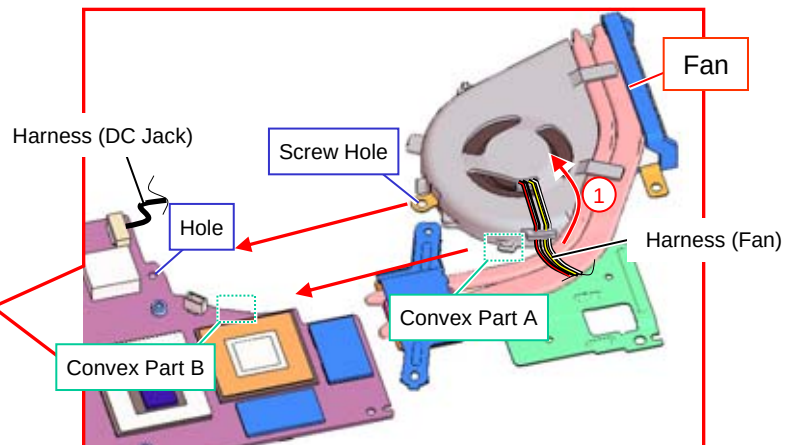


1. Install the Thermal Sheet (one place) while aligning it with the mark-off lines (four places).
2. Peel off a piece of release paper.

Fan -2

5)

Side-B



Keep the Harness (Fan) in the direction of the arrow 1, and install the Fan.

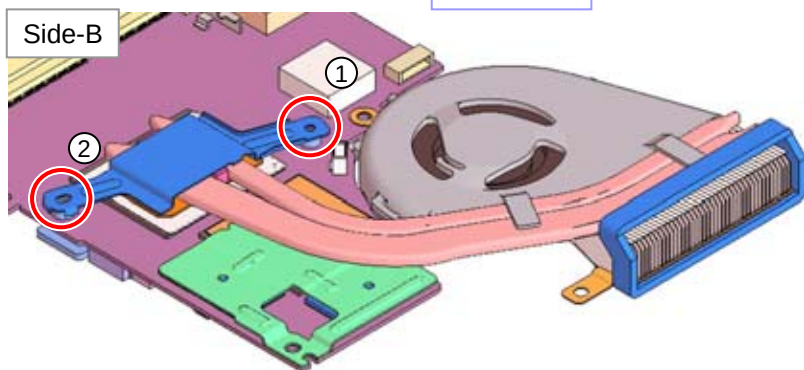
* Install the Fan so that the screw hole is placed on top of the hole, and convex part A is placed under the convex part B. (Refer to the Fig-A.)

*Be careful not to pinch the Harness (DC Jack).

6)

Screw: B5

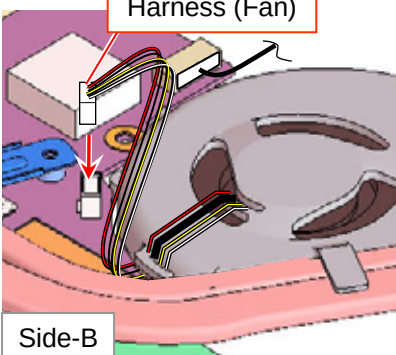
Side-B



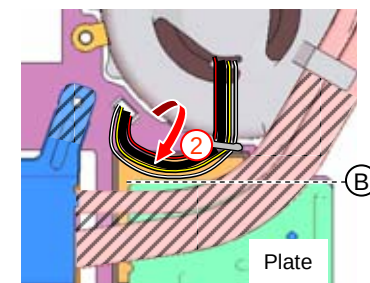
Tighten the two screws in order.

7)

Harness (Fan)



Side-B



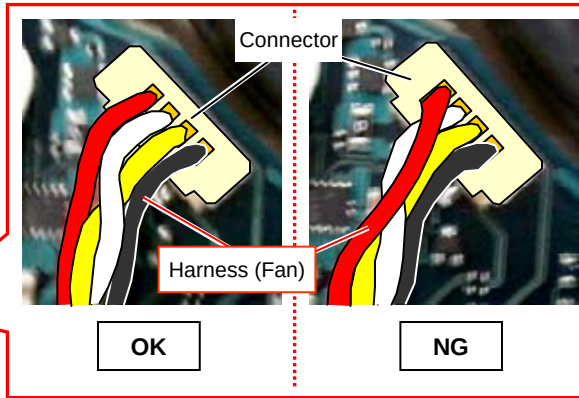
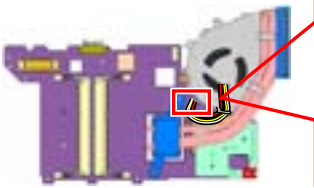
Connect the Harness, and wire the excess part of it by moving the Harness in the direction of the arrow 2.

* Be careful not to pass the Harness over the B side and the shaded area.

* Refer to the Remark.

Fan -3

Remark



Be careful not to overlap the Harness (cables) at the connector.

Update History

[ADD]---Addition [DEL]---Deletion [CHG]---Change [COR]---Correction [MA]---Model Addition

Date		Contents	Version No.
-	-	-	-

Chapter 1. Disassembly & Assembly Guide

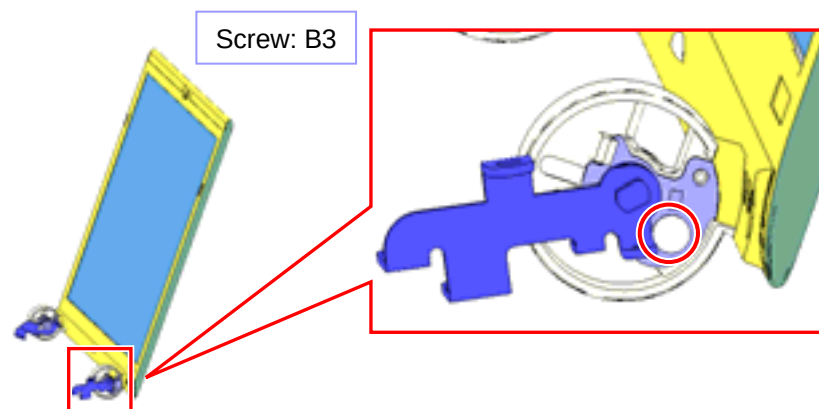
1-3. Disassembly & Assembly

- LCD Block -

L-1 LCD Block Disassembly

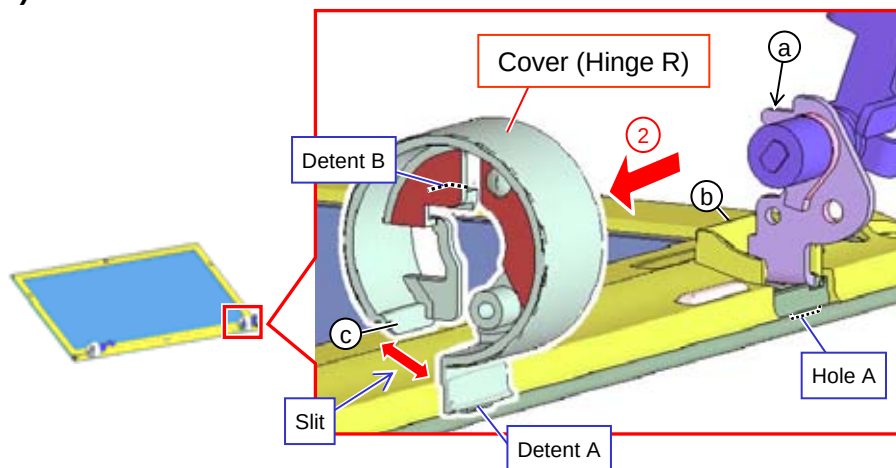
Cover (Hinge R)

1)

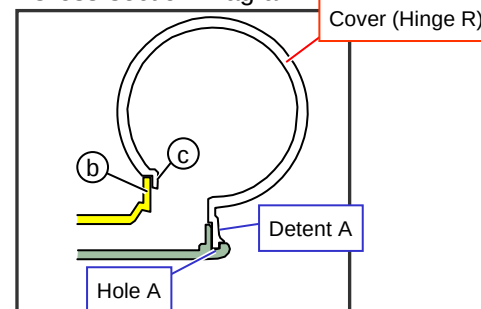


Remove the screw.

2)



<Cross-section Diagram>

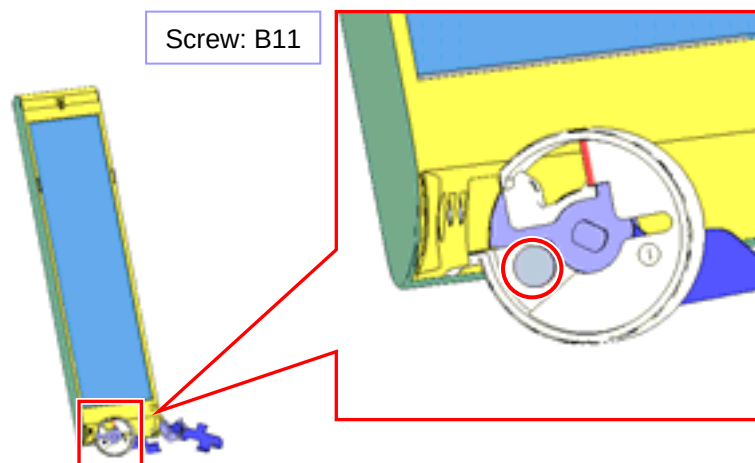


Remove the Cover as follows.

1. Release the detent A from the hole A.
2. Release the detent B from the a part, and release the c part from the b part.
3. While widening the slit part, remove the Cover in the direction of the arrow 2.

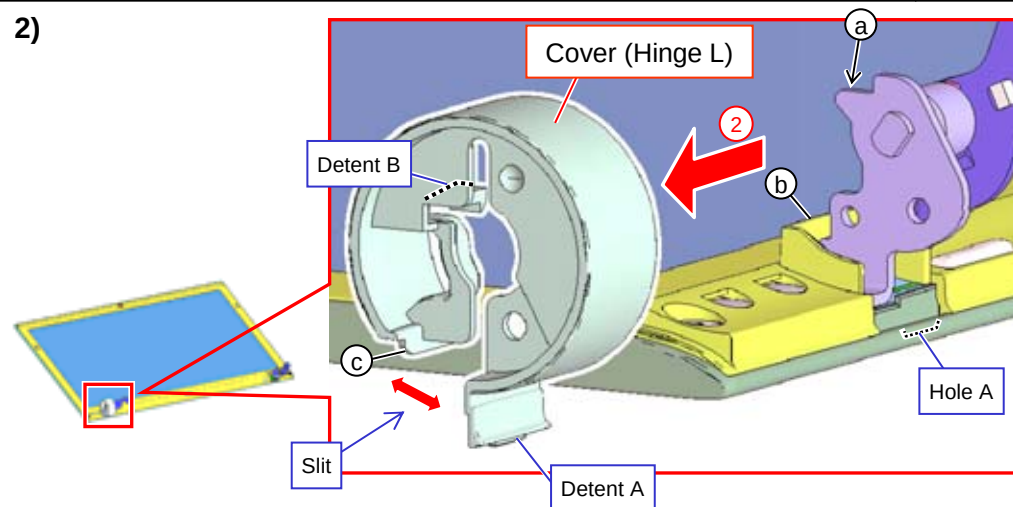
Cover (Hinge L) -1

1)

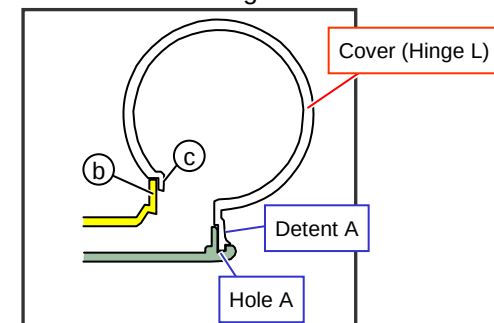


Remove the screw.

2)



<Cross-section Diagram>



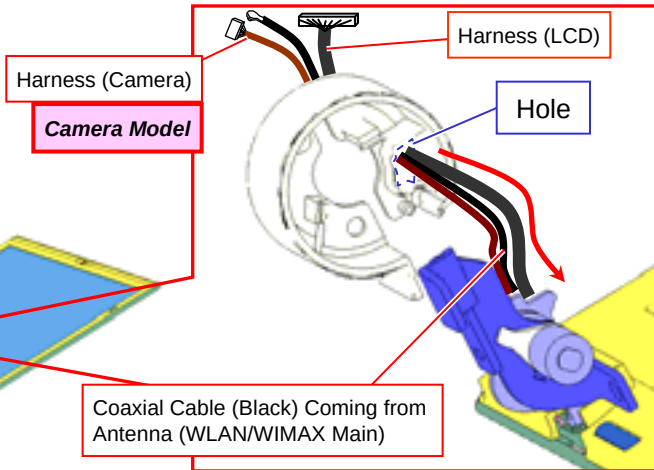
Remove the Cover as follows.

1. Release the detent A from the hole A.
2. Release the detent B from the a part, and release the c part from the b part.
3. While widening the slit part, remove the Cover in the direction of the arrow 2.

* Refer to the Remark.

Cover (Hinge L) -2

Remark



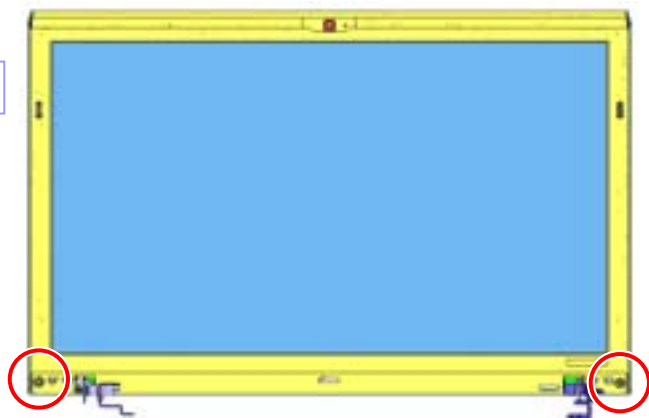
Remove the Cover while passing the cables through the hole (one place).

*Cable: Camera Model --- Three Places / No-Camera Model --- Two Places

Bezel -1

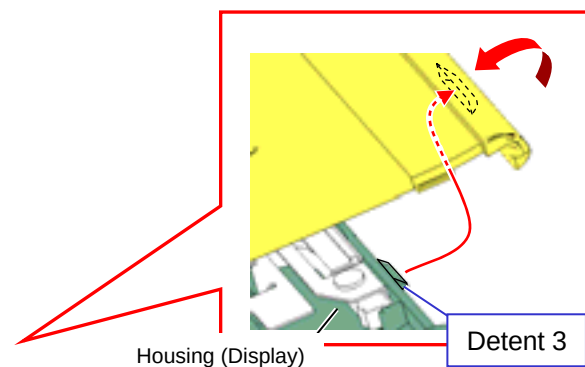
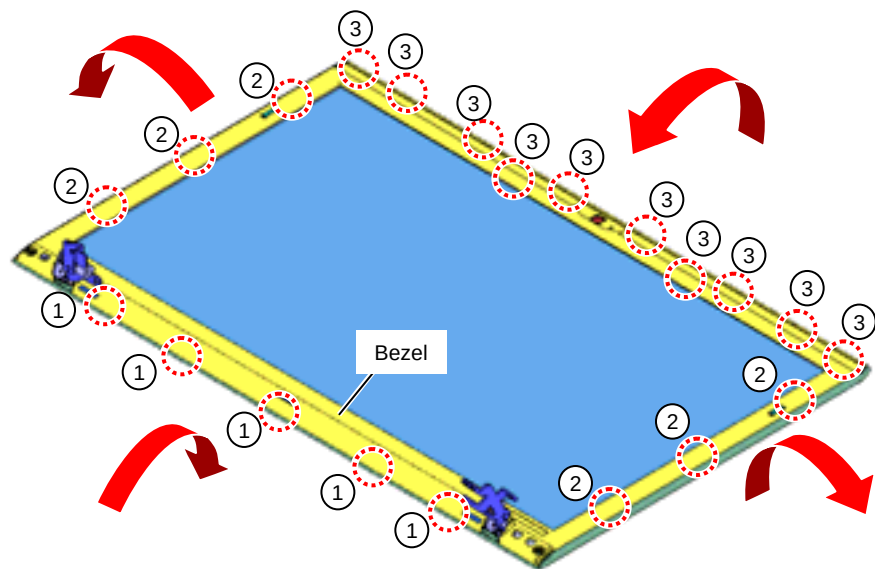
1)

Screw: B10



Remove the two screws.

2)



Disengage the 21 detents in order.

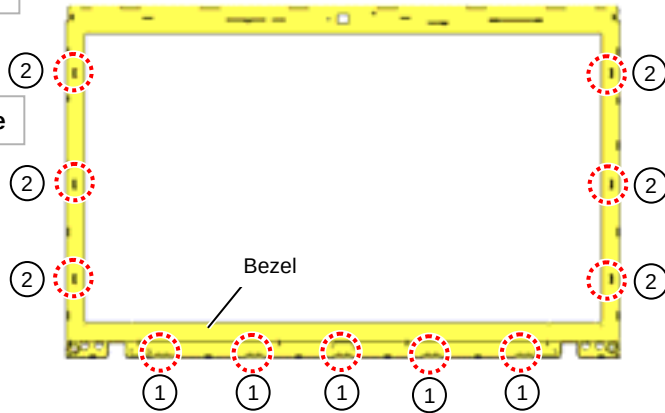
* As for the detents 1 (five places) and the detents 3 (10 places), disengage them by lifting up the Bezel from the outside of it.
 As for the detents 2 (six places), insert your fingers in between the Bezel and the LCD, and disengage them in the direction of the arrows.

* Detents 3: The detents of the Housing (Display) are engaged toward the Bezel.

Bezel -2

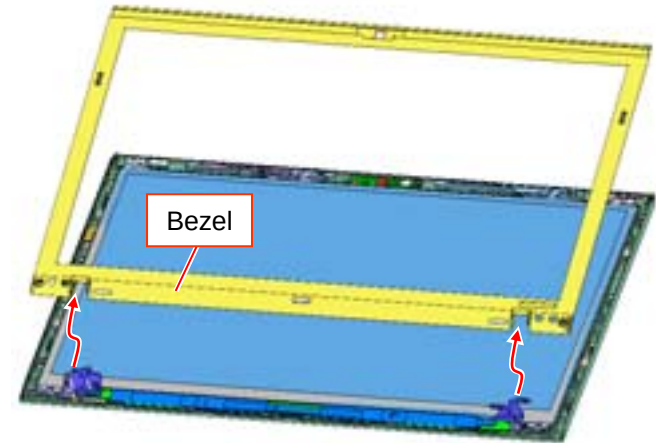
Remark

Back Side



The detents 1 (five places) are engaged toward inside, and the detents 2 (six places) are engaged toward the outside.

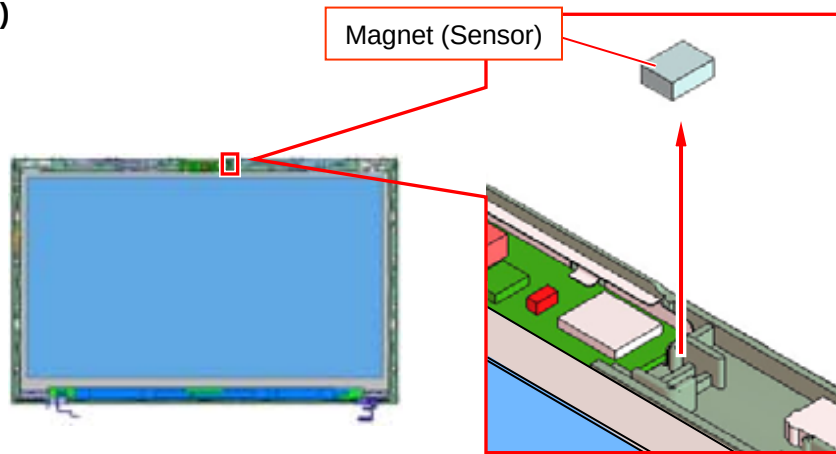
3)



Remove the Bezel in the direction of the arrow.

Magnet

1)

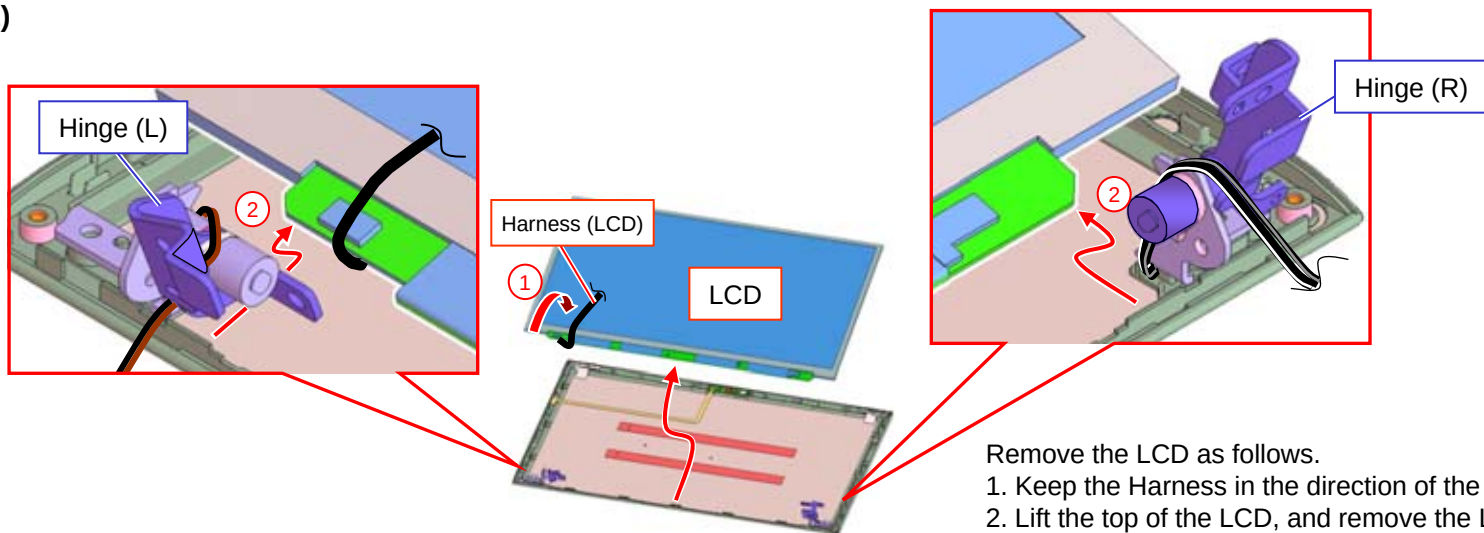


Remove the Magnet.

**It is secured with a piece of adhesive tape.*

LCD

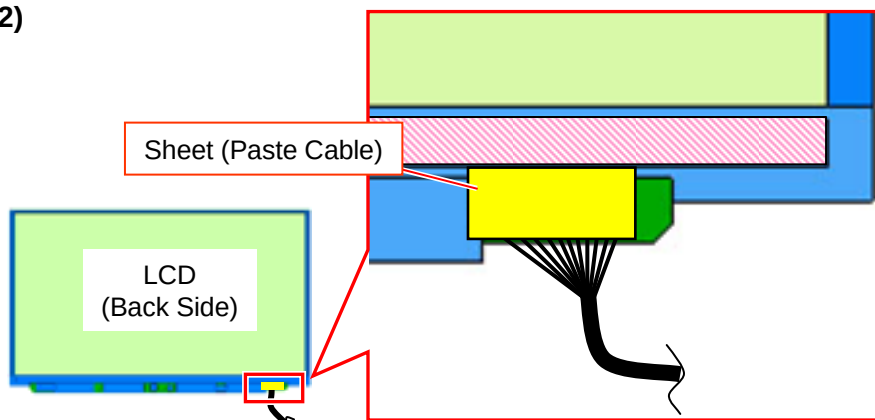
1)



Remove the LCD as follows.

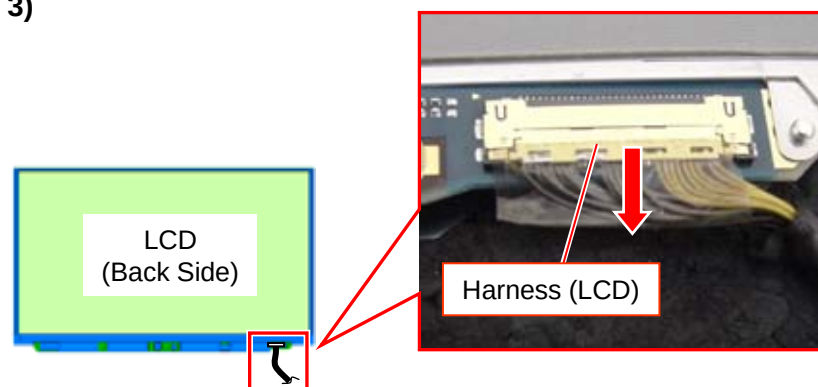
1. Keep the Harness in the direction of the arrow 1.
2. Lift the top of the LCD, and remove the LCD from under the Hinges (two places) (arrow 2).

2)



Peel off the Sheet (one place).

3)

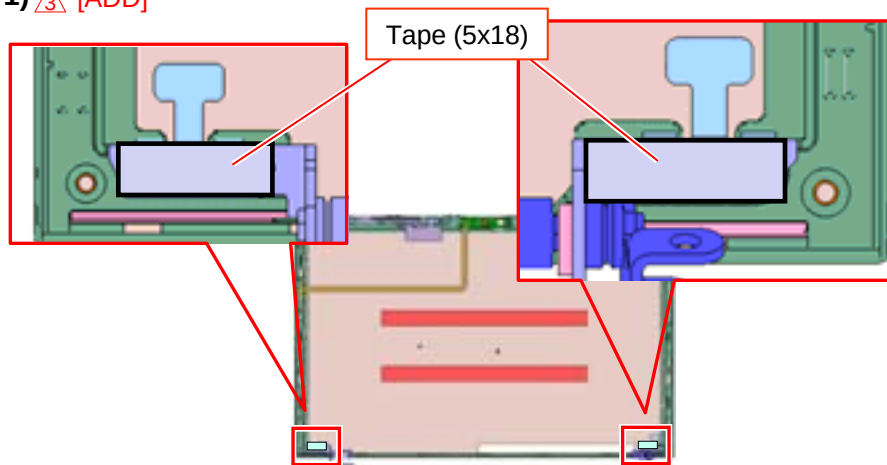


Disconnect the Harness (one place).

* WAN Model --- Harness (LCD WAN) / No-WAN Model --- Harness (LCD)

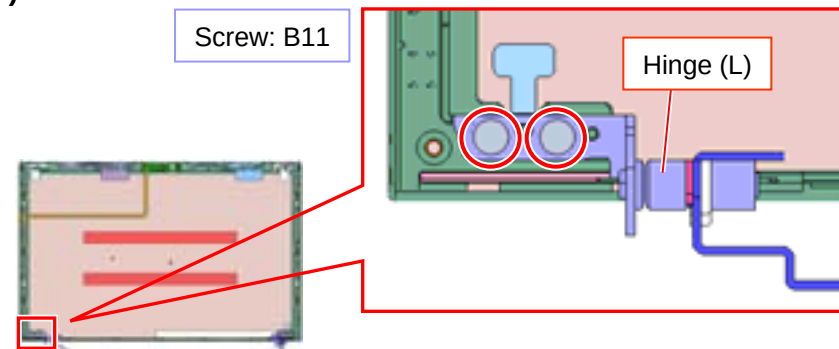
Hinge -1

1) ⚠️ [ADD]



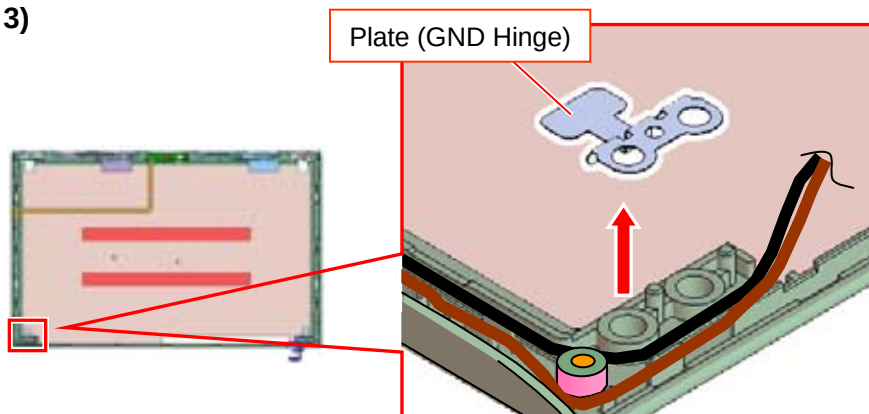
Peel off the Tapes (two places).

2)



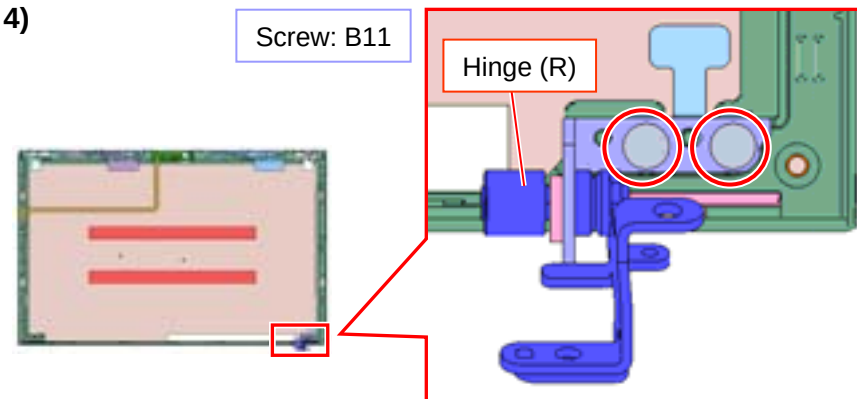
Remove the two screws and remove the Hinge.

3)



Remove the Plate.

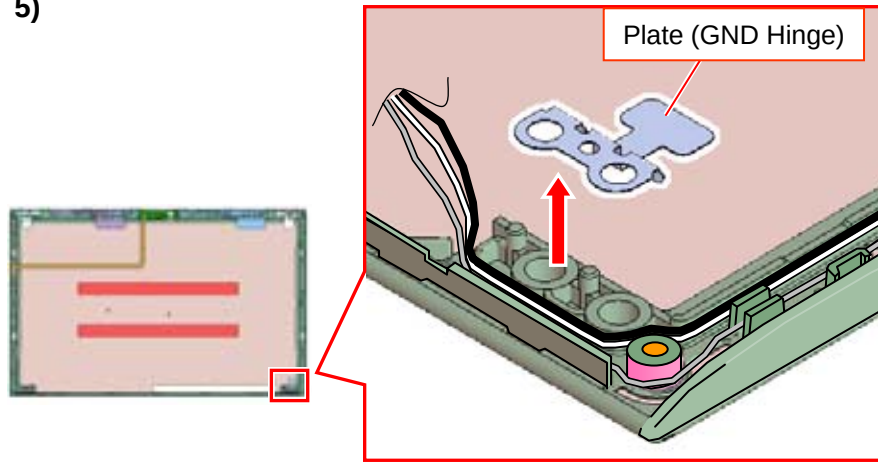
4)



Remove the two screws and remove the Hinge.

Hinge -2

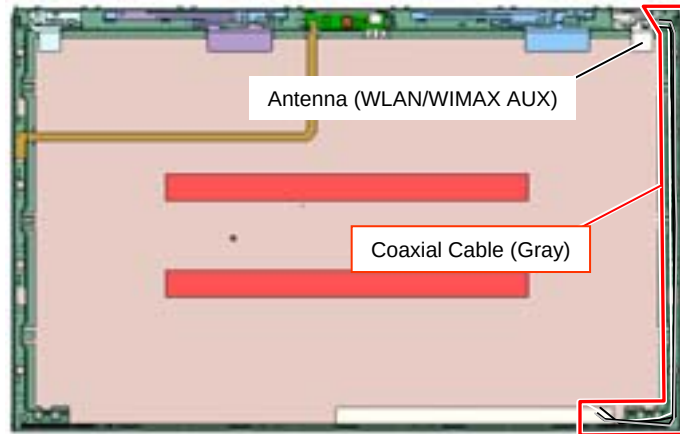
5)



Remove the Plate.

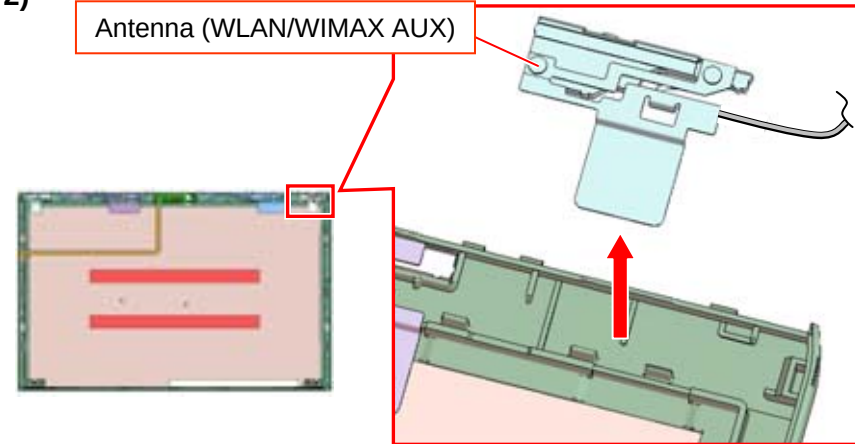
Antenna (WLAN/WIMAX AUX)

1)



Release the coaxial cable (one place).

2)

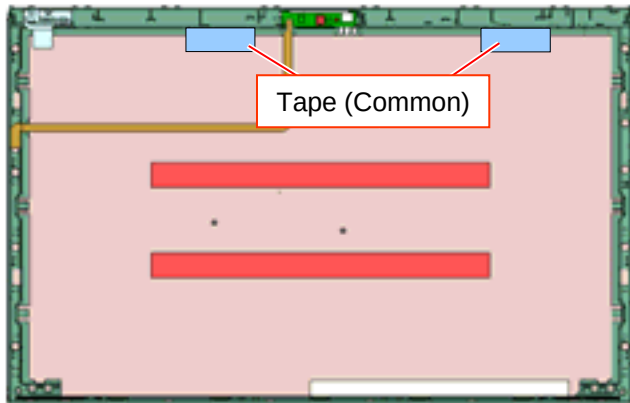


Remove the Antenna.

Tape (Common)

No-WAN Model

1)

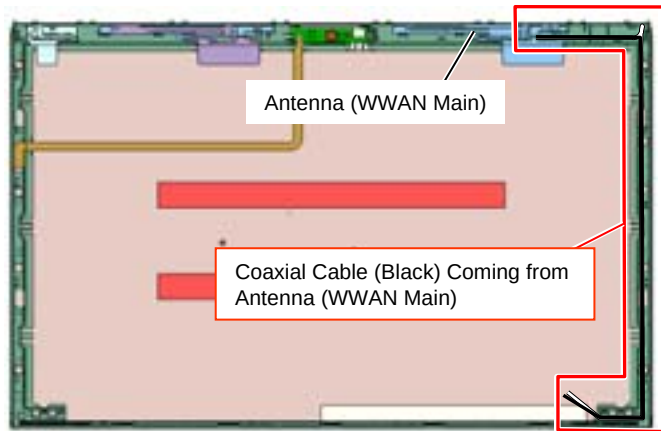


Peel off the Tapes (two places).

Antenna (WWAN Main / AUX)

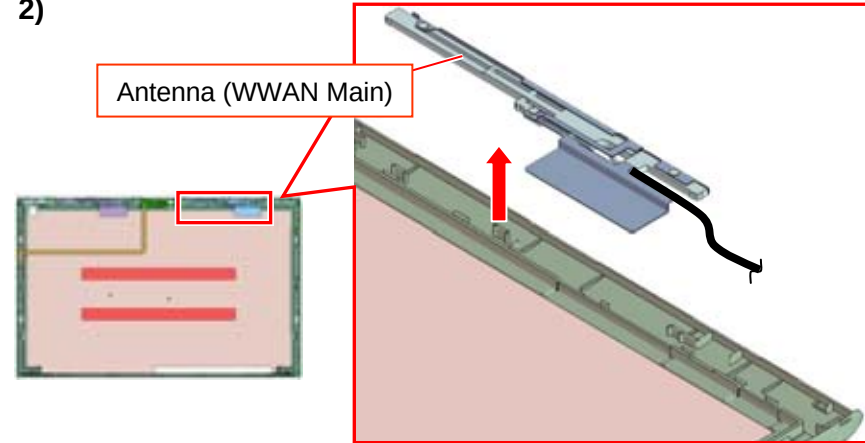
WAN Model

1)



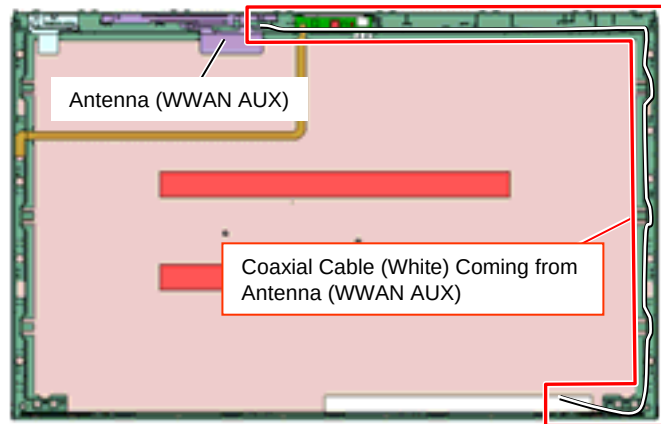
Release the coaxial cable (one place).

2)



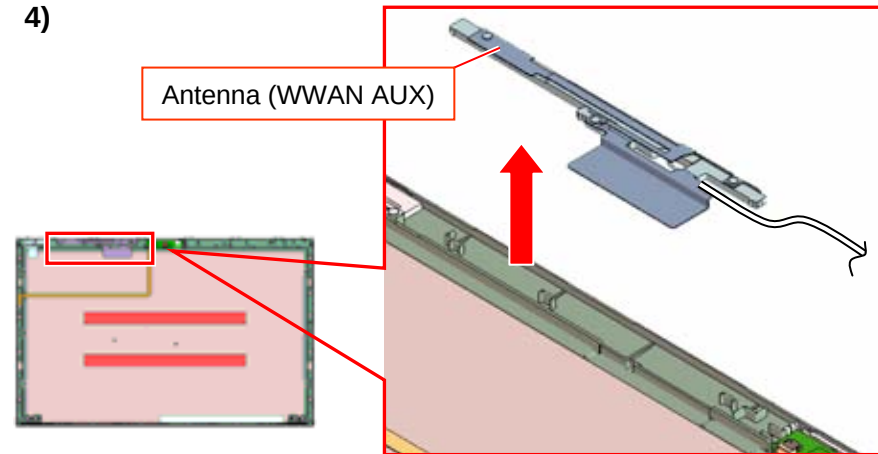
Remove the Antenna.

3)



Release the coaxial cable (one place).

4)

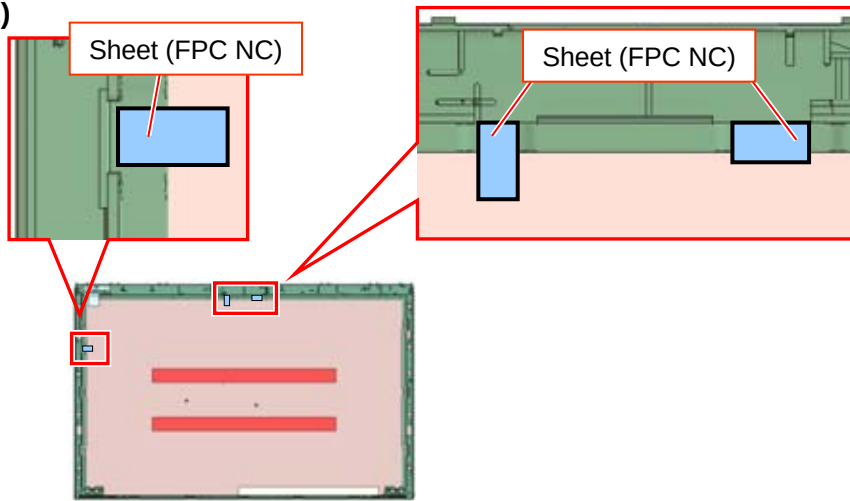


Remove the Antenna.

Sheet (FPC NC)

No-Camera Model

1)

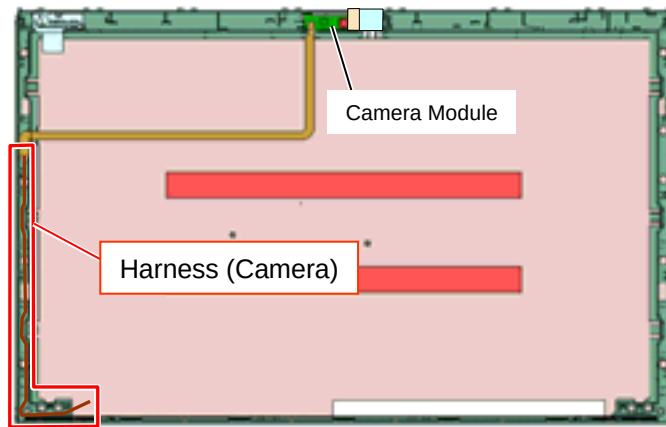


Peel off the Sheets (three places).

Camera Module

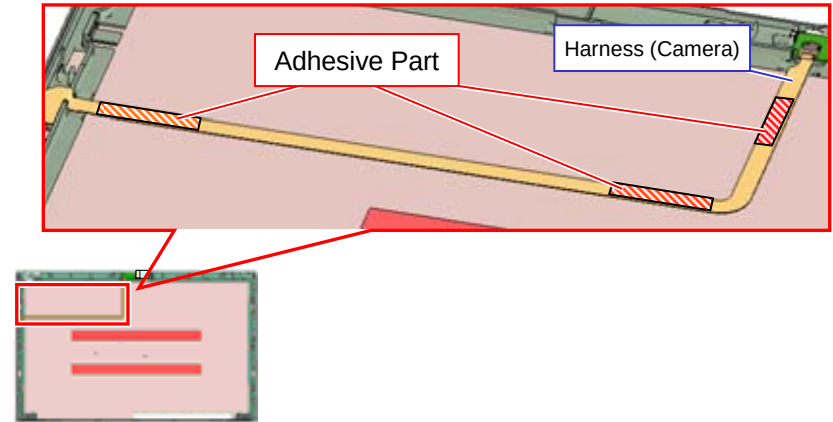
Camera Model

1)



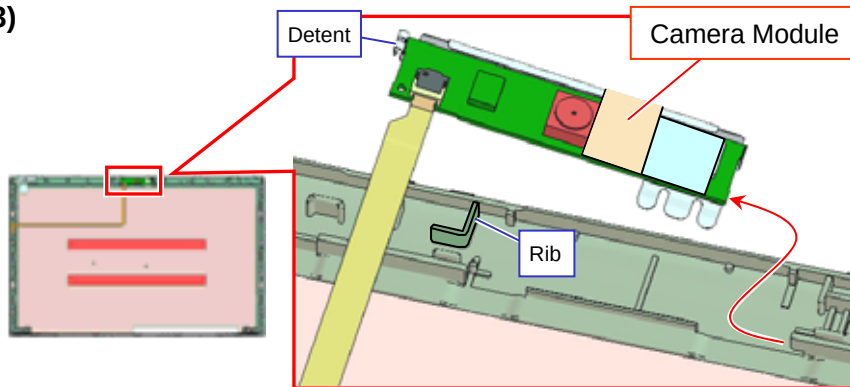
Release the Harness (one place).

2)



Peel off the adhesive parts (three places).

3)

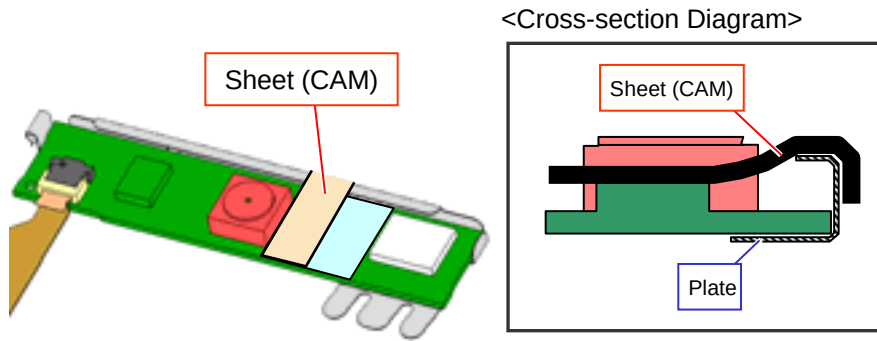


Release the detent (one place) from the rib, and remove the Camera Module in the direction of the arrow.

Parts of the Camera Module

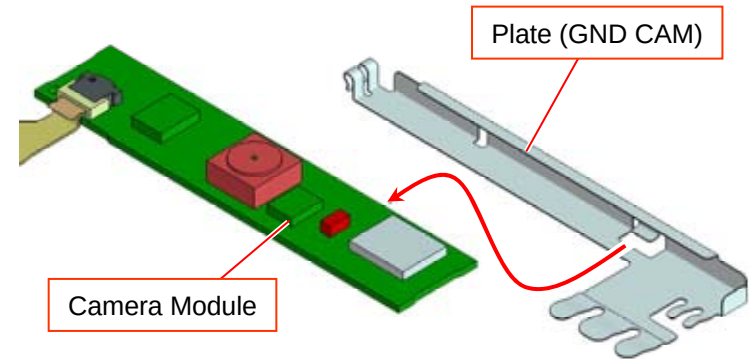
Camera Model

1)



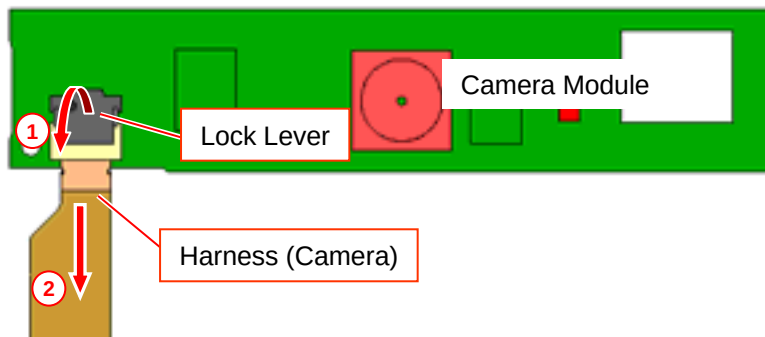
Peel off the Sheet (one place).

2)



Remove the Camera Module in the direction of the arrow.

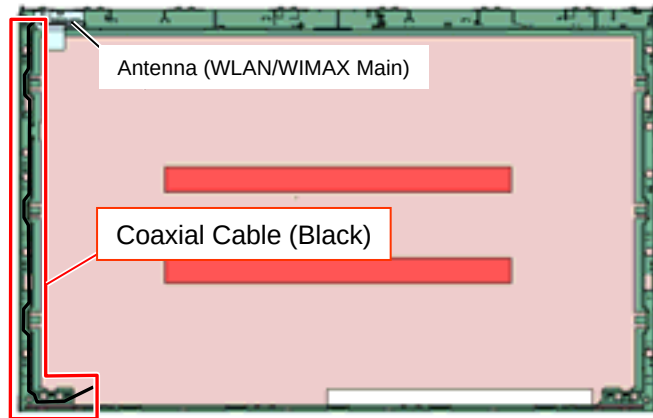
3)



Raise the lock lever (one place) to release the lock (arrow 1), and disconnect the Harness (one place) (arrow 2).

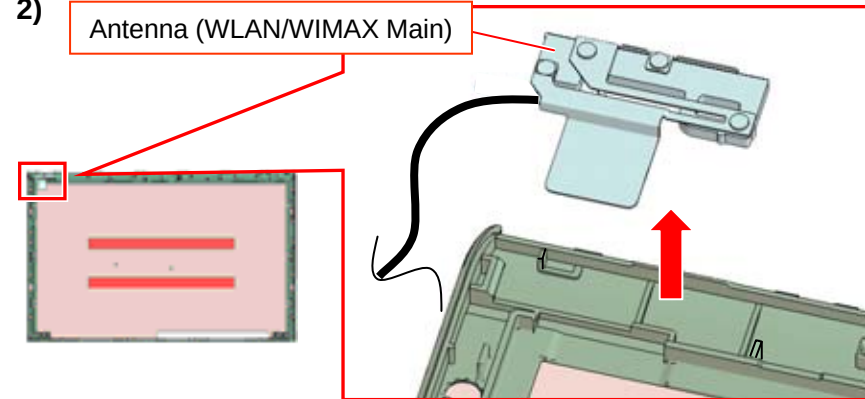
Antenna (WLAN/WIMAX Main)

1)



Release the coaxial cable (one place).

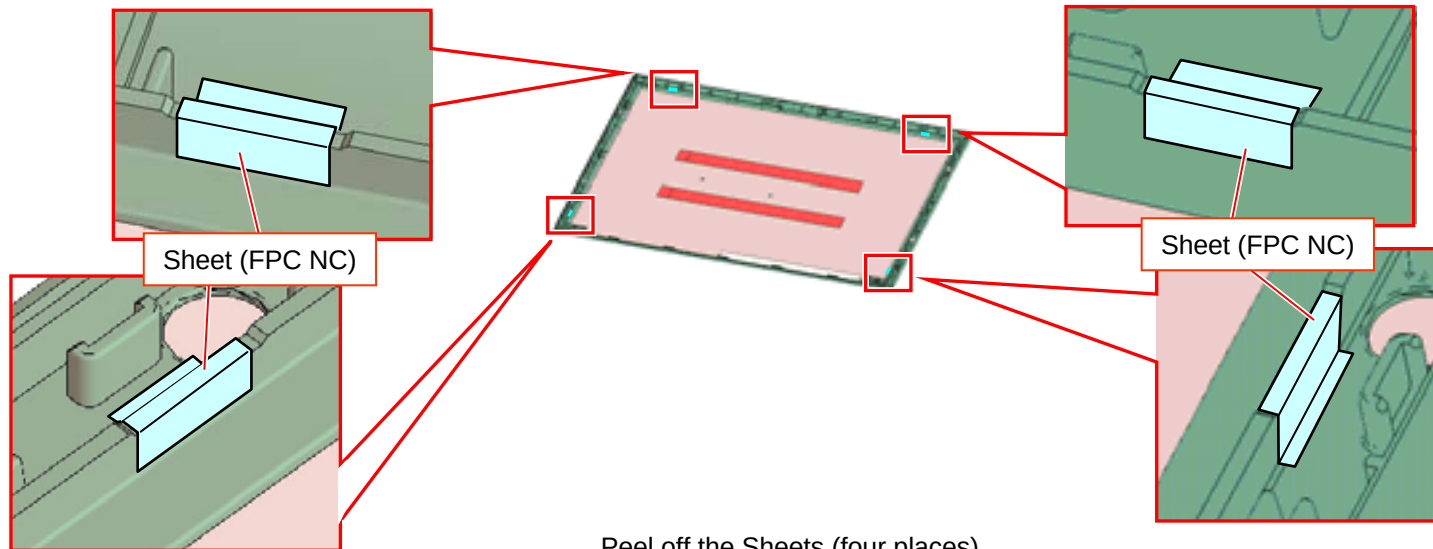
2)



Remove the Antenna.

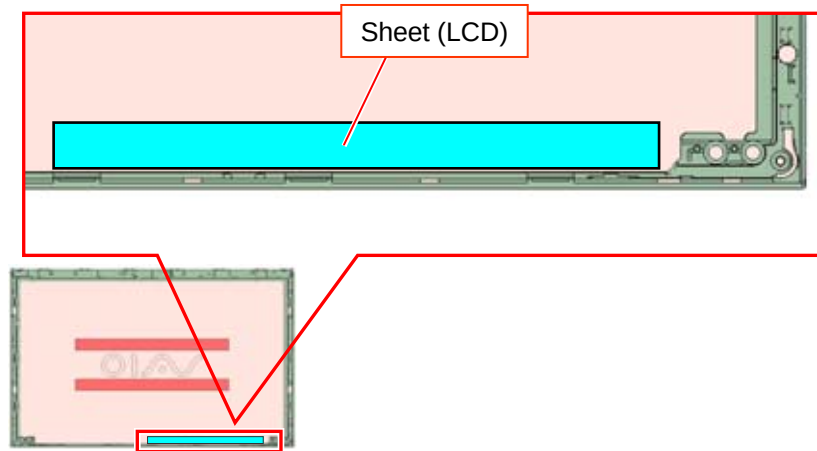
Parts of the Housing (Display)

1)



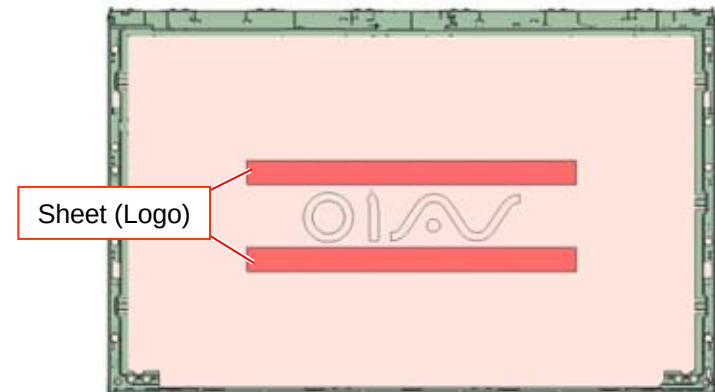
Peel off the Sheets (four places).

2)



Peel off the Sheet (one place).

3)



Peel off the Sheets (two places).

Update History

[ADD]---Addition [DEL]---Deletion [CHG]---Change [COR]---Correction [MA]---Model Addition

Date		Contents	Version No.
2010.09.08		[ADD] Attachment (Page 9)	3.00

Chapter 1. Disassembly & Assembly Guide

1-3. Disassembly & Assembly

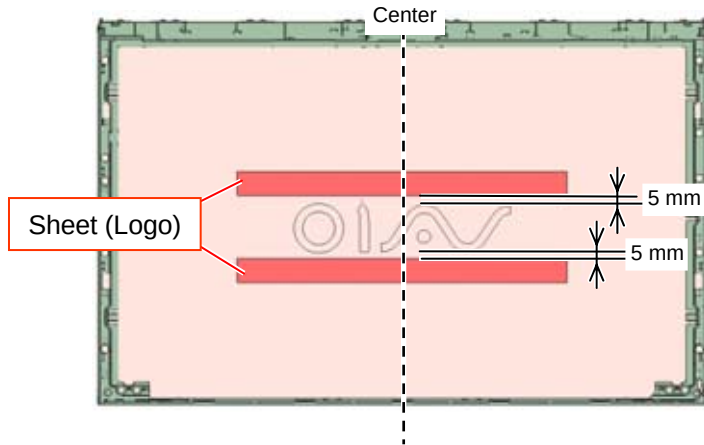
- LCD Block -

L-1 LCD Block Assembly

Note: For the attached articles, check the position attached to the parts before replacing, and attach them to the same position.

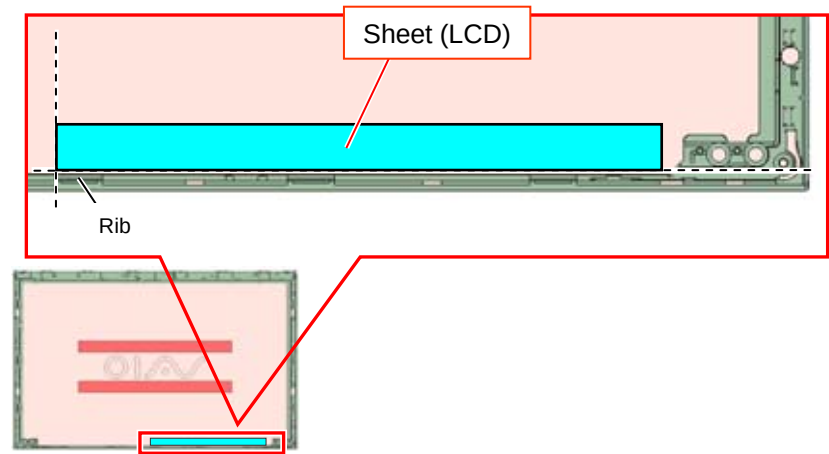
Sheet (Logo / LCD)

1)



Attach the Sheets (two places).

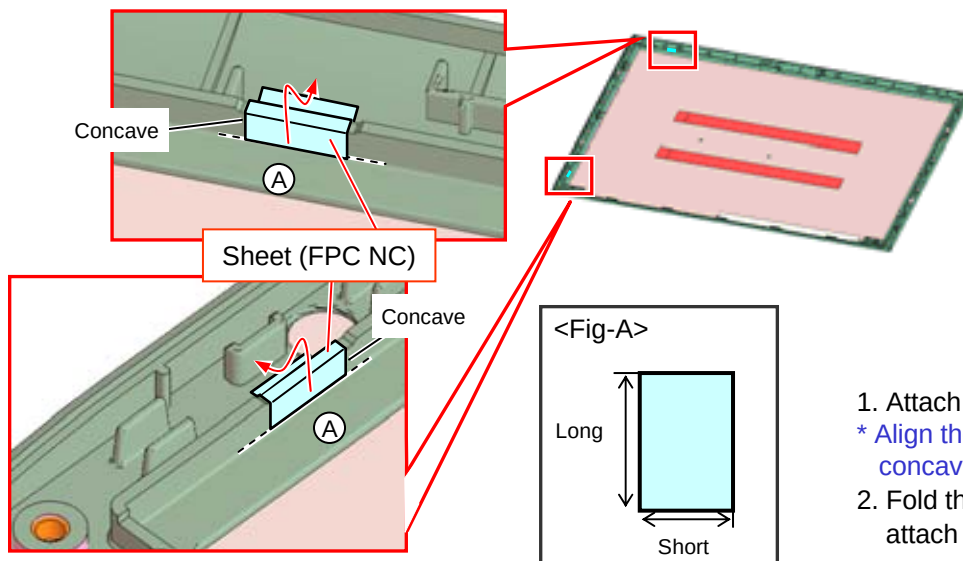
2)



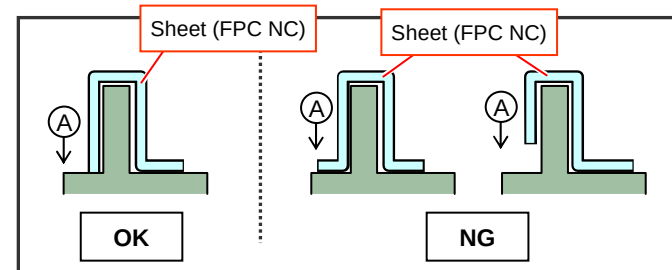
Attach the Sheet (one place) while aligning it with the rib (one place).

Sheet (FPC NC)

1)

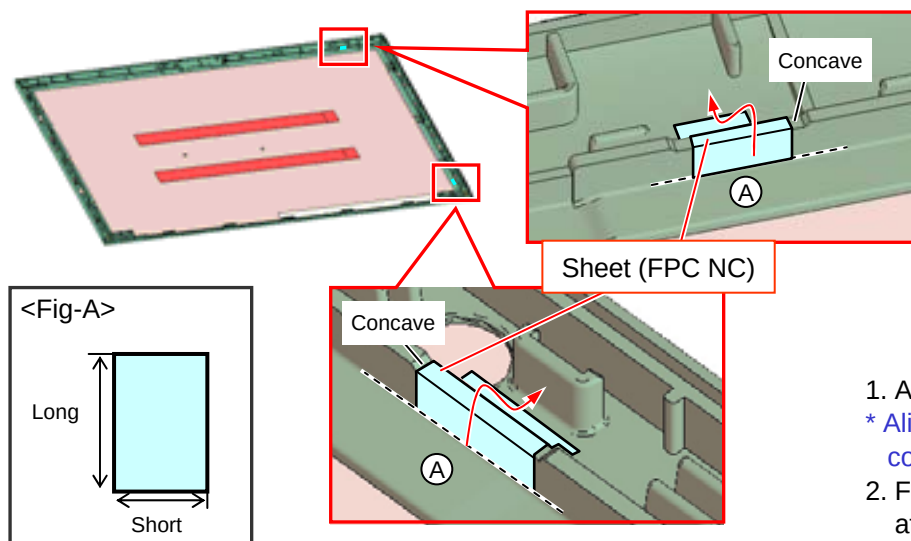


<Cross-section Diagram>

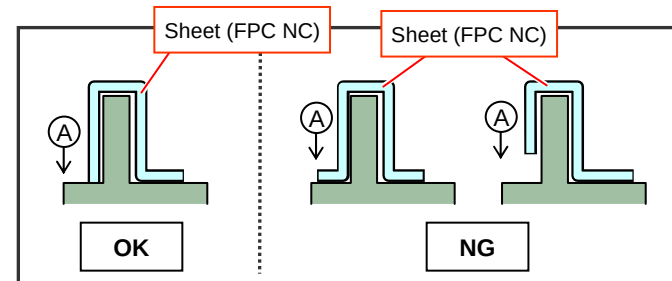


1. Attach the Sheets (two places) to the concave parts (two places).
* Align the short side edge of the Sheet with the A surface (bottom of the concave part). (Refer to the Fig-A.)
2. Fold the excess parts of the Tapes in the direction of the arrows and attach them along the shape.

2)



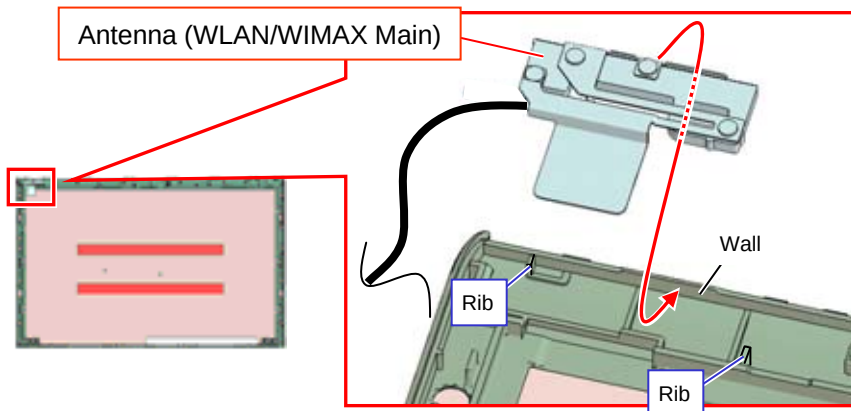
<Cross-section Diagram>



1. Attach the Sheets (two places) to the concave parts (two places).
* Align the short side edge of the Sheet with the A surface (bottom of the concave part). (Refer to the Fig-A.)
2. Fold the excess parts of the Tapes in the direction of the arrows and attach them along the shape.

Antenna (WLAN/WIMAX Main) -1

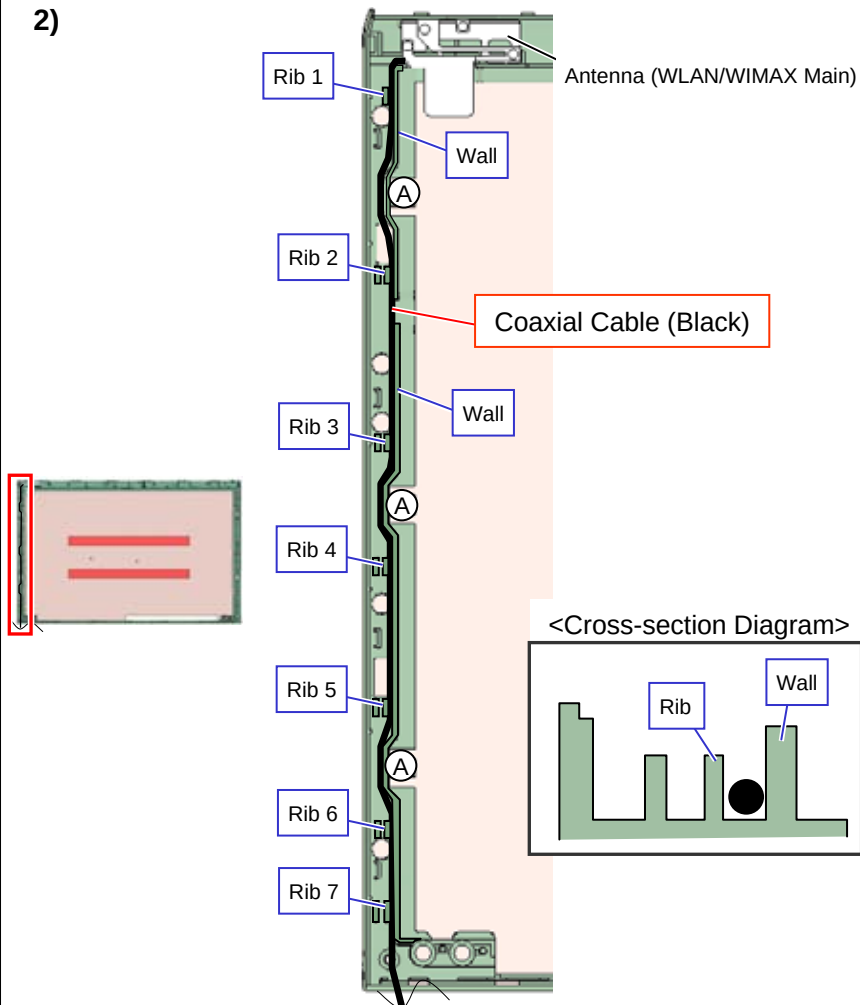
1)



Apply the Antenna to the wall, and install the Antenna in between the ribs (two places).

* Press the Antenna from the top of it to fit it into the installation position.

2)

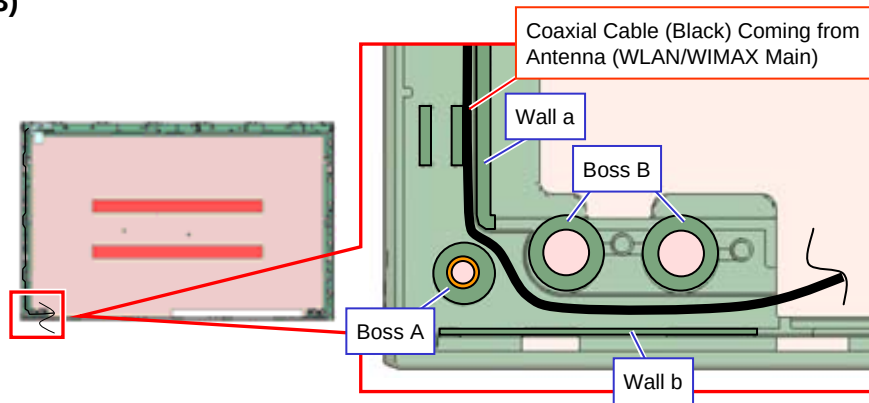


While passing the coaxial cable (black) along the wall, wire it by putting it in between the ribs (seven places) and the wall in order.

* Be careful not to pass the coaxial cable over the wall at A parts (three places).

Antenna (WLAN/WIMAX Main) -2

3)



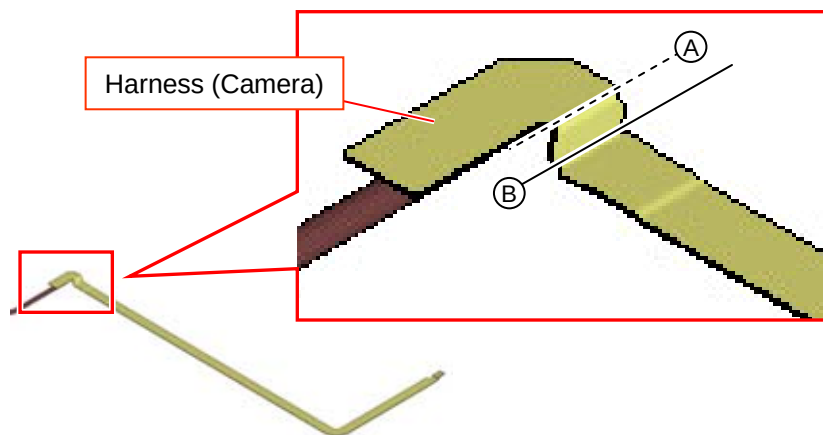
Wire the coaxial cable (black) as follows.

1. Pass it in between the boss A (one place) and the wall a.
2. Pass it in between the bosses B (two places) and the wall b.

Camera Module -1

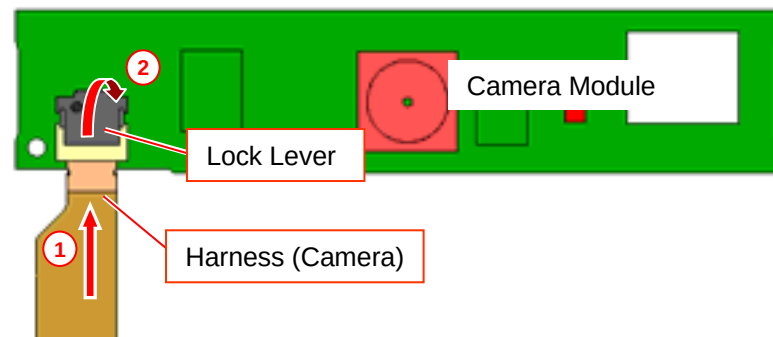
Camera Model

1)



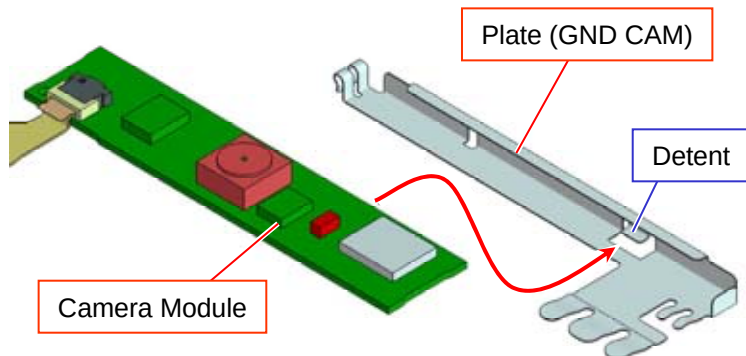
Make mountain fold along the A line (one place) and make valley fold along the B line (one place) to make creases.

2)



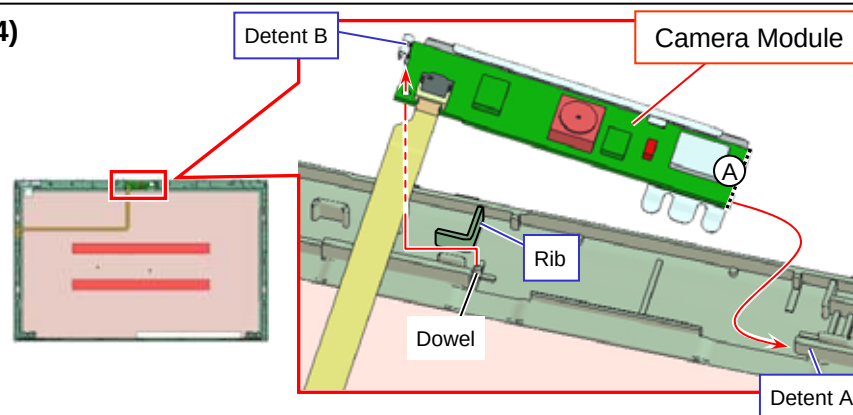
Connect the Harness (arrow 1) and rotate down the lock lever to lock (arrow 2).

3)



Fit the Camera Module into under the detent (one place), and install the Camera Module by fitting it to the shape of the Plate.

4)



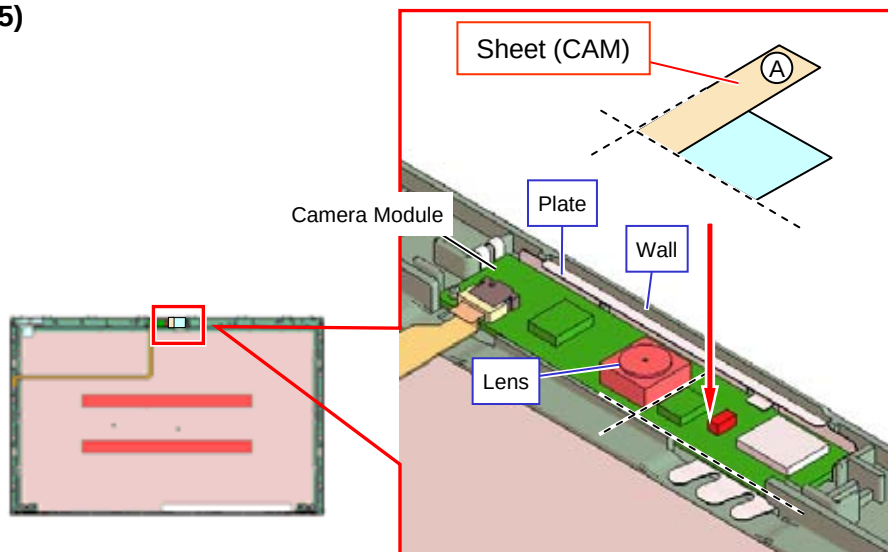
Install the Camera Module as follows.

1. Fit the A part under the detent A (one place).
2. Align it with the dowel (one place).
3. Hook the detent B (one place) on the rib.

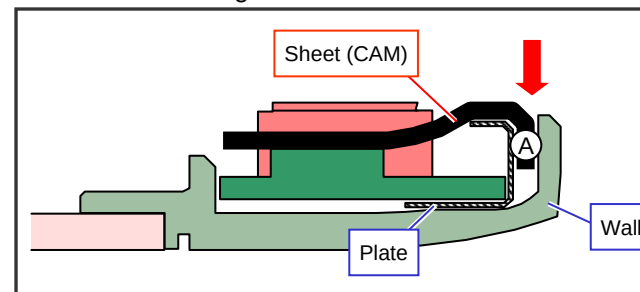
Camera Module -2

Camera Model

5)



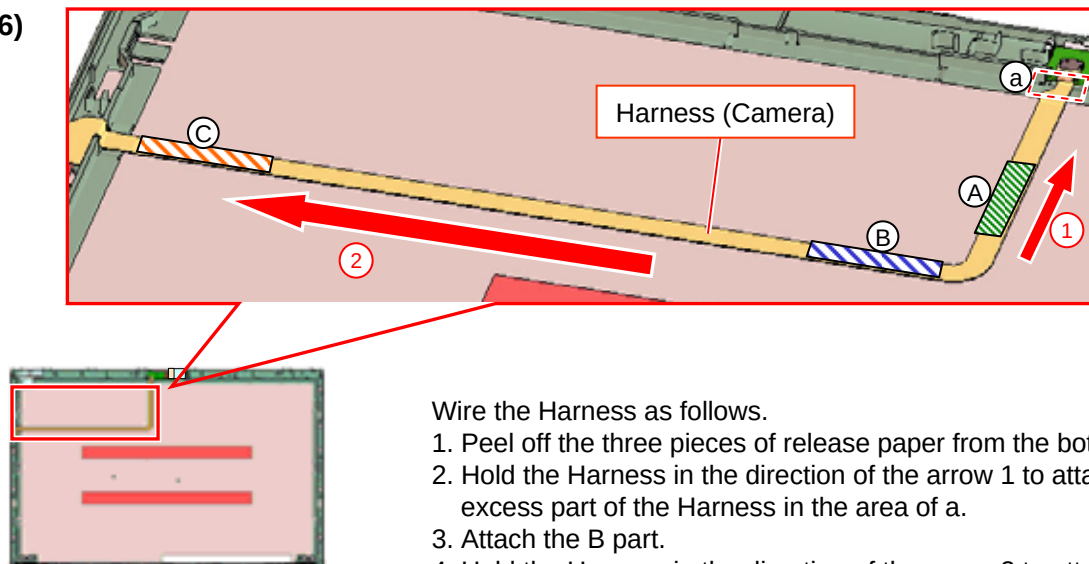
<Cross-section Diagram>



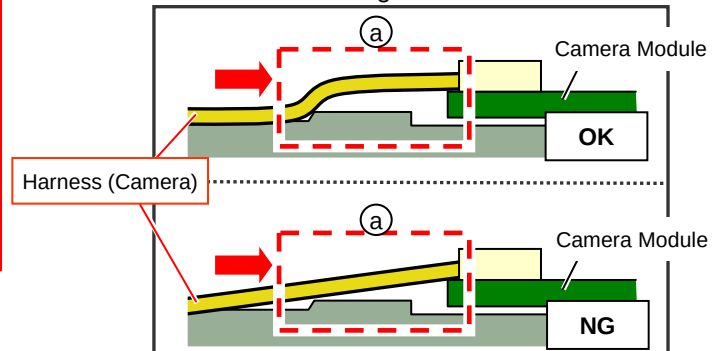
Attach the Sheet (one place) as follows.

1. Attach the Sheet while aligning it with the right side of the Lens.
2. Put the excess part of the A in between the plate and the wall and attach the A part along the Plate.

6)



<Cross-section Diagram>



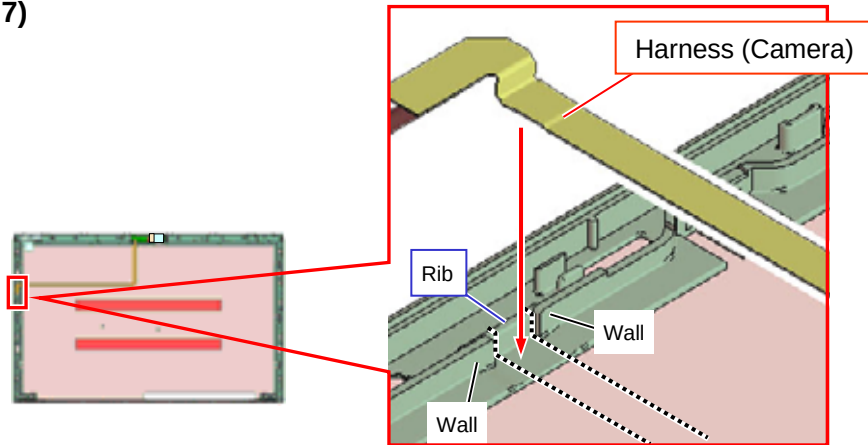
Wire the Harness as follows.

1. Peel off the three pieces of release paper from the bottom of the shaded area.
2. Hold the Harness in the direction of the arrow 1 to attach the A part, and wire the excess part of the Harness in the area of a.
3. Attach the B part.
4. Hold the Harness in the direction of the arrow 2 to attach the C part.

Camera Module -3

Camera Model

7)



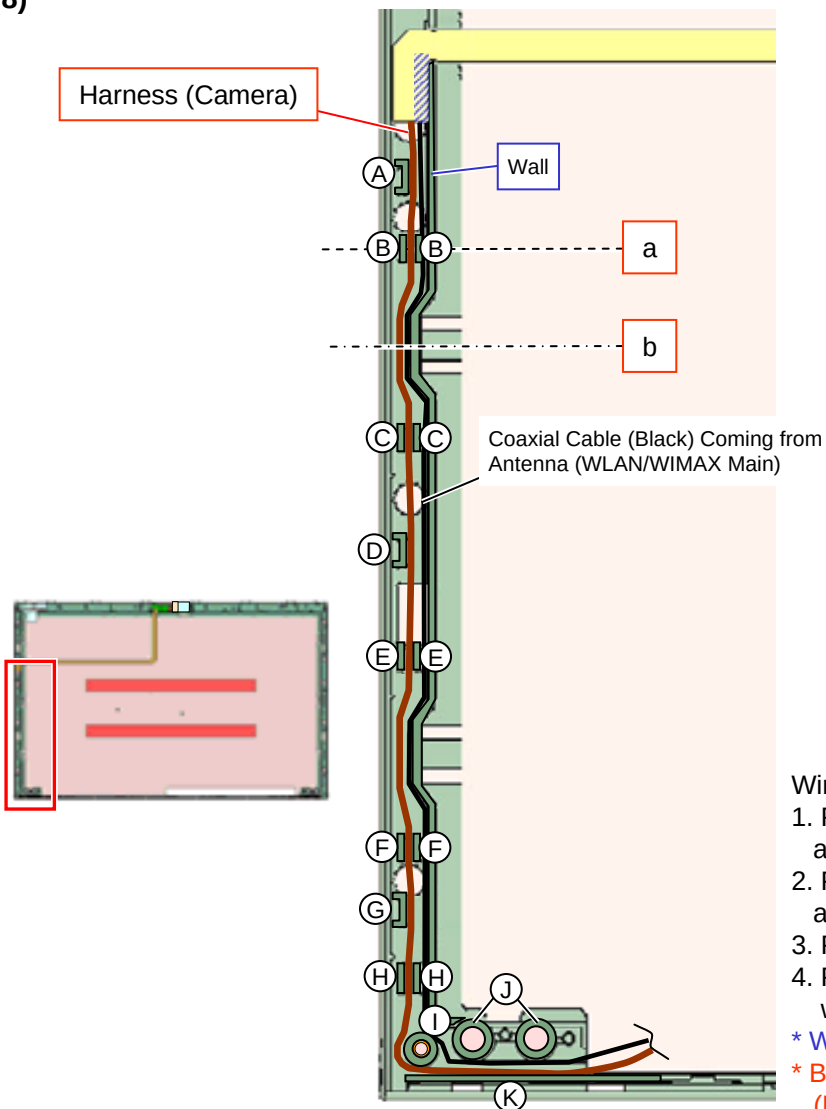
Install the Harness while aligning it with the rib (one place).

* Be careful not to pass it over the walls (two places).

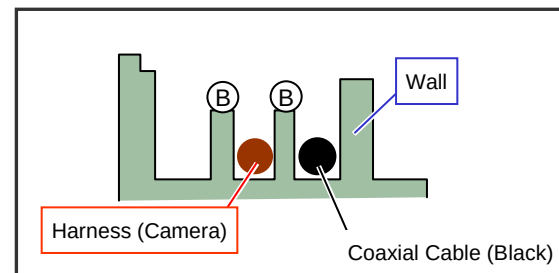
Camera Module -4

Camera Model

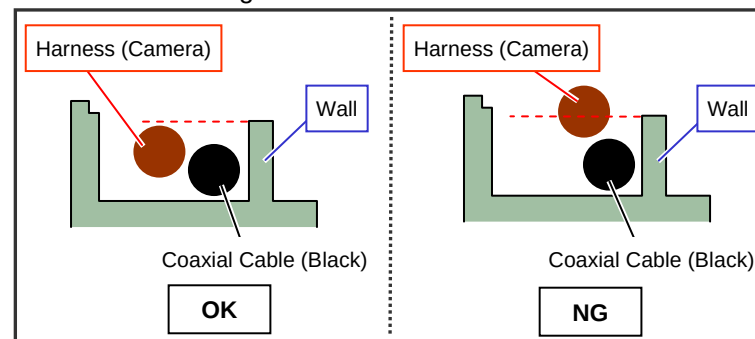
8)



<Cross-section Diagram at a Part>



<Cross-section Diagram at b Part>



Wire the Harness as follows.

1. Pass it on the right side of the rib A, and pass it between the ribs B (two places) and between the ribs C (two places).
2. Pass it on the right side of the rib D, and pass it between the ribs E (two places) and between the ribs F (two places).
3. Pass it on the right side of the rib G, and put it in between the ribs H (two places).
4. Pass it in front of the boss I and pass it between the bosses J (two places) and the wall K.

* Wire the coaxial cable (black) between the bosses J (two places) and the Harness.

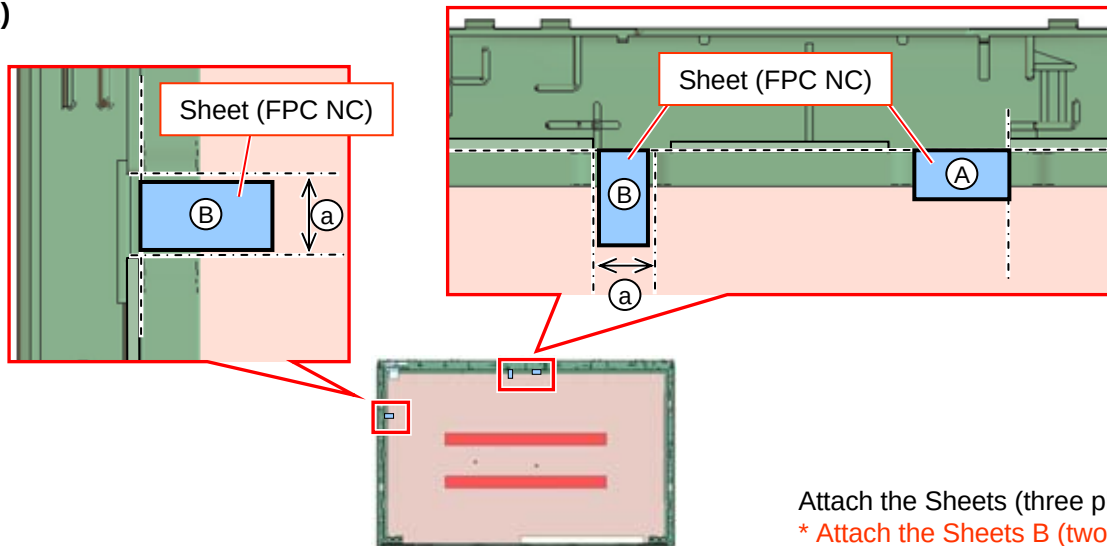
* Be careful not to pass the Harness above the level of the wall.
(Refer to the Cross-section Diagram at b part.)

* Be careful not to pass the Harness over the wall at the shaded area.

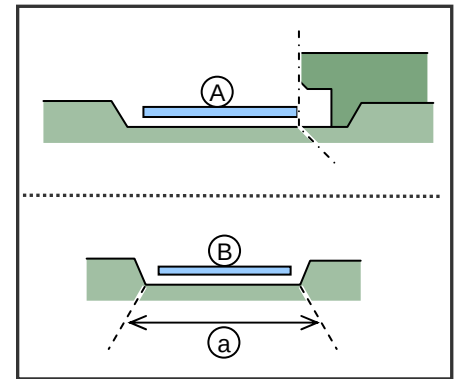
Sheet (FPC NC)

No-Camera Model

1)



<Cross-section Diagram from Inside>



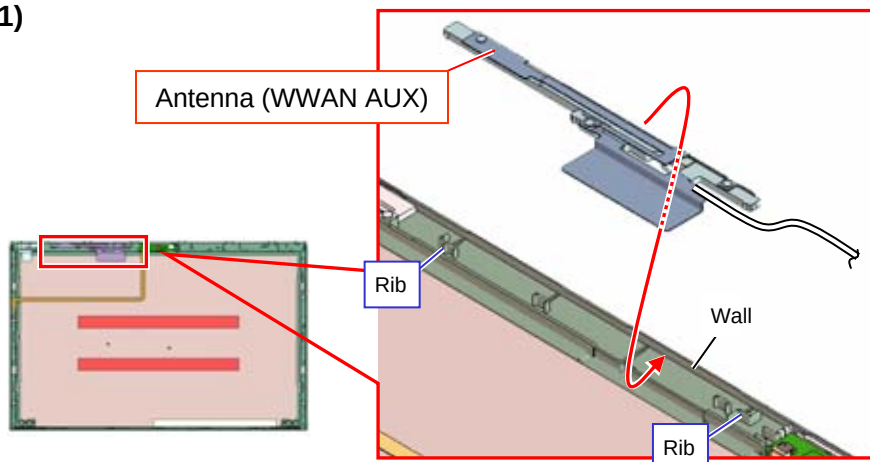
Attach the Sheets (three places).

* Attach the Sheets B (two places) between the a lines.

Antenna (WWAN AUX)

WAN Model

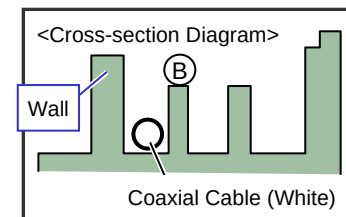
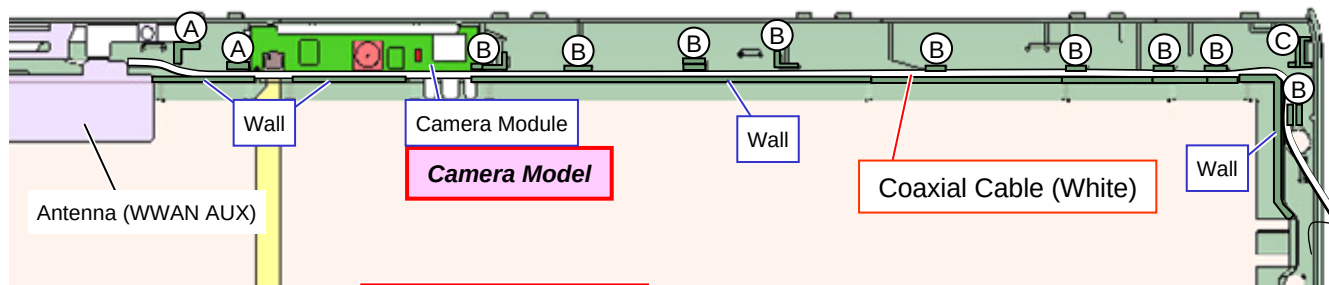
1)



Apply the Antenna to the wall, and install the Antenna in between the ribs (two places).

* Press the Antenna from the top of it to fit it into the installation position.

2)



Wire the coaxial cable (white) as follows while passing it along the wall.

1. Pass it in between the wall and the ribs A (two places).
2. Pass it in between the Camera Module and the wall.

(Camera Model)

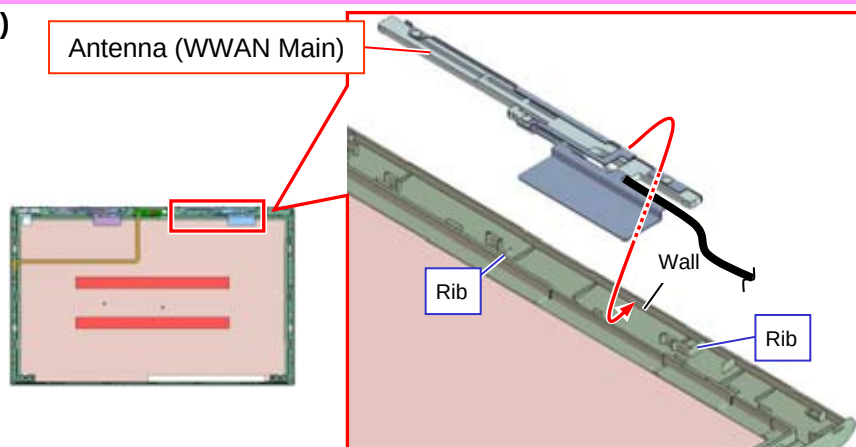
3. Pass it in between the ribs B (nine places) and the wall.

* Be careful not to pass it over the wall and the rib C (one place).

Antenna (WWAN Main)

WAN Model

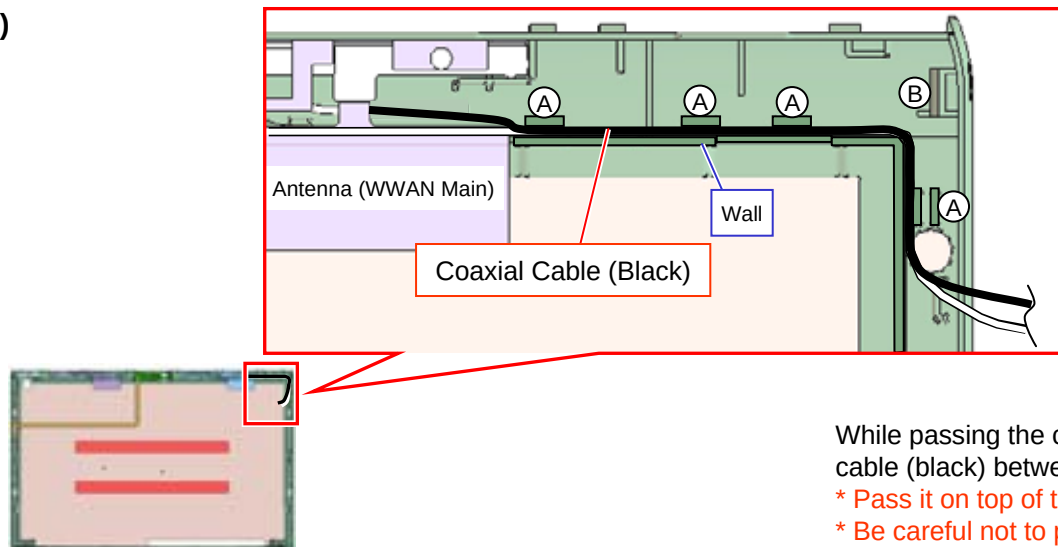
1)



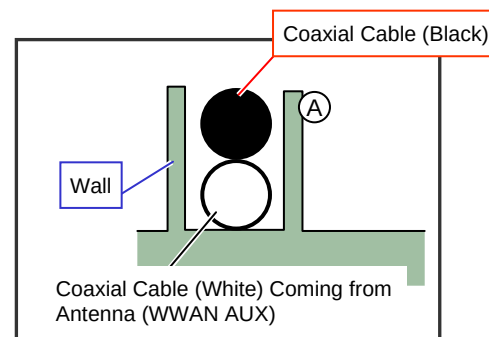
Apply the Antenna to the wall, and install the Antenna in between the ribs (two places).

* Press the Antenna from the top of it to fit it into the installation position.

2)



<Fig-A Cross-section Diagram>



While passing the coaxial cable (black) along the wall, pass the coaxial cable (black) between the wall and the ribs A (four places).

* Pass it on top of the coaxial cable (white). (Refer to the Fig-A.)

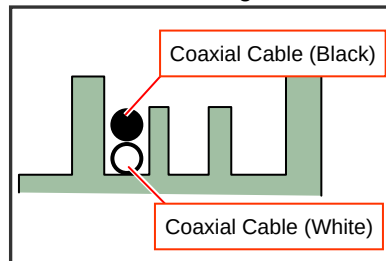
* Be careful not to pass it over the wall and the rib B (one place).

Wiring Processing

WAN Model

1)

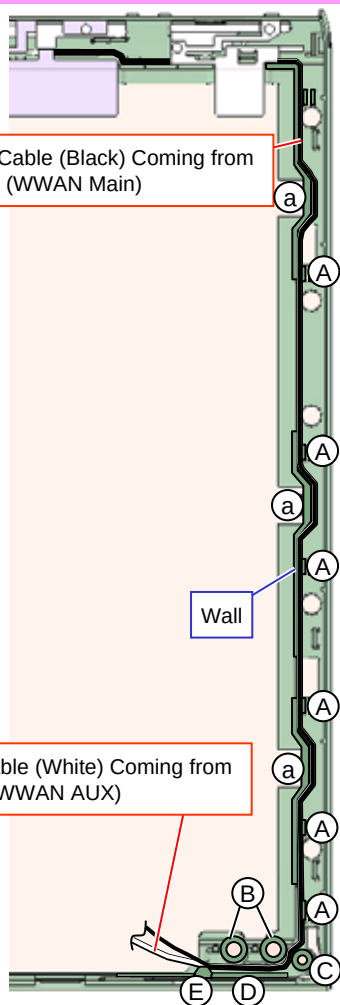
<Cross-section Diagram>



Coaxial Cable (Black) Coming from Antenna (WWAN Main)

Wall

Coaxial Cable (White) Coming from Antenna (WWAN AUX)



Wire the coaxial cables (two places) as follows.

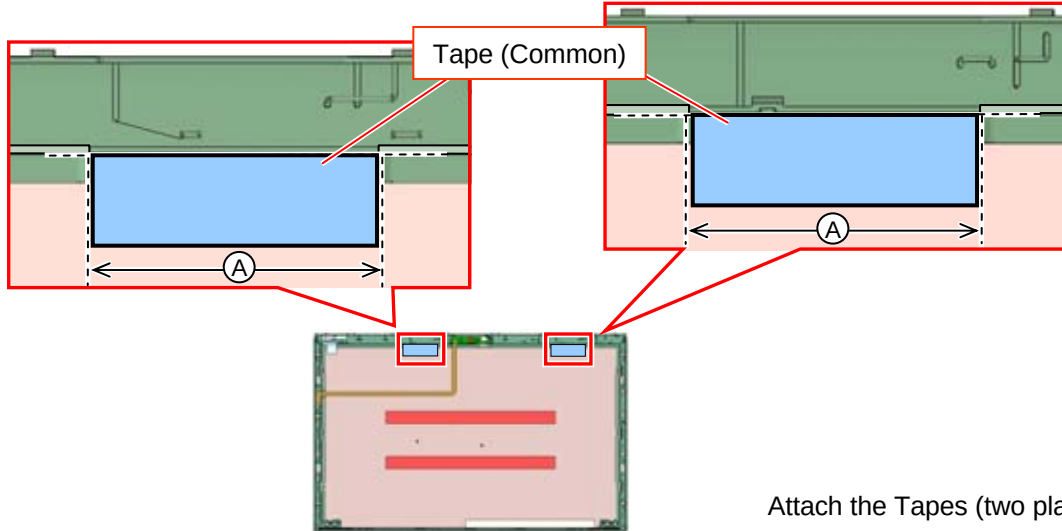
1. Pass it in between the wall and the ribs A (six places).
2. Pass it between the bosses B (two places), boss C, and rib D.

* Be careful not to pass it over the a-parts (three places) and the rib E (one place).

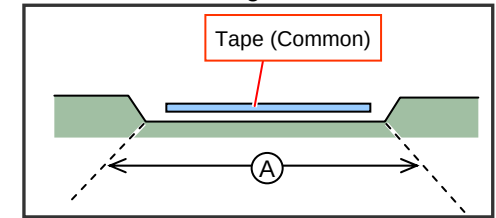
Tape (Common)

No-WAN Model

1)



<Cross-section Diagram>

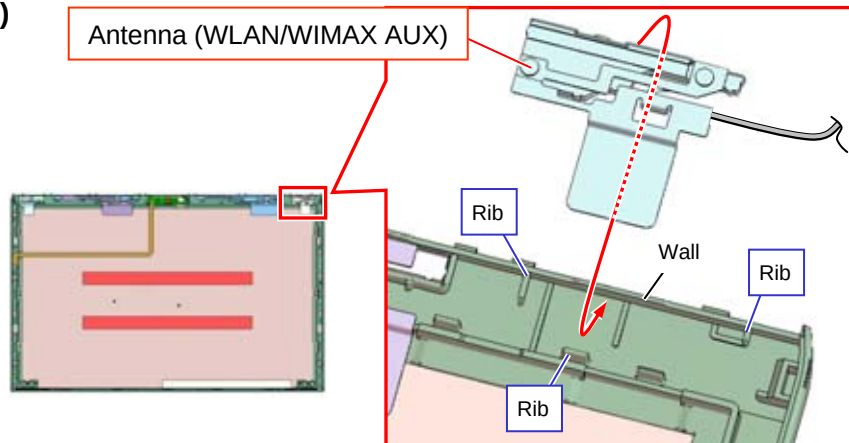


Attach the Tapes (two places) between the A lines.

Antenna (WLAN/WIMAX AUX) -1

1)

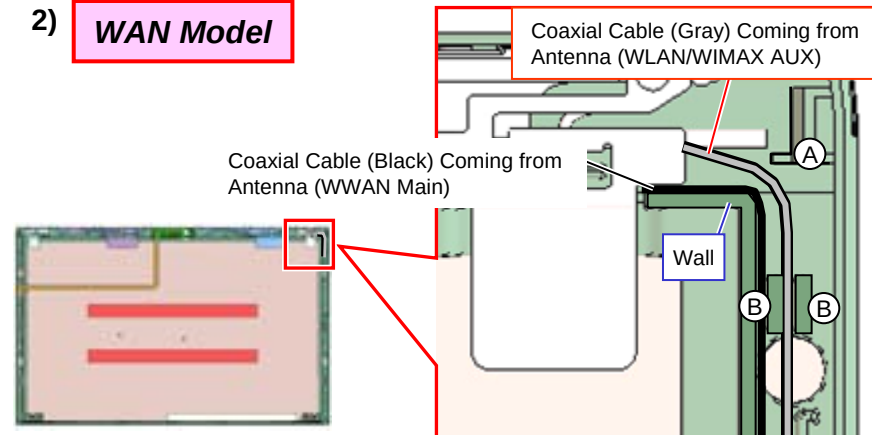
Antenna (WLAN/WIMAX AUX)



Apply the Antenna to the wall, and install the Antenna in between the ribs (three places).

* Press the Antenna from the top of it to fit it into the installation position.

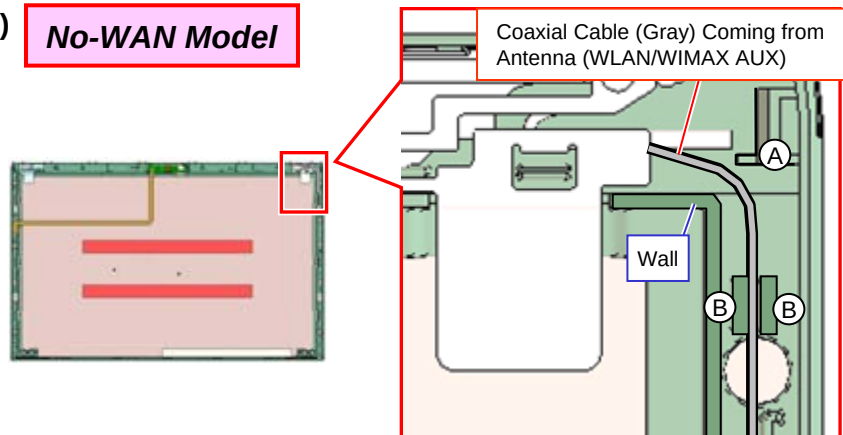
2)

WAN Model

Pass the coaxial cable (gray) between the coaxial cable (black) and the rib A (one place) and between the ribs B.

* Be careful not to pass it over the wall and the rib A (one place).

3)

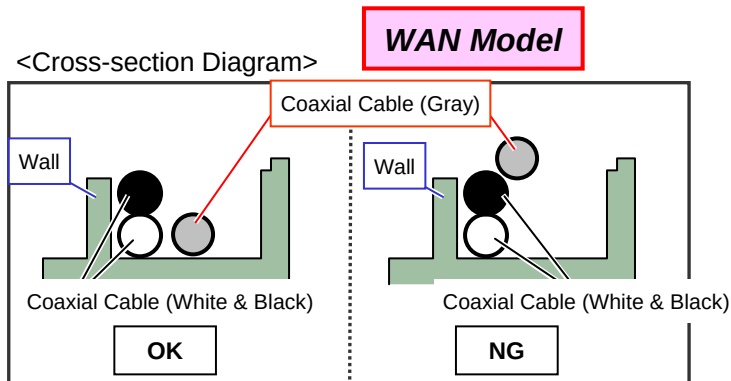
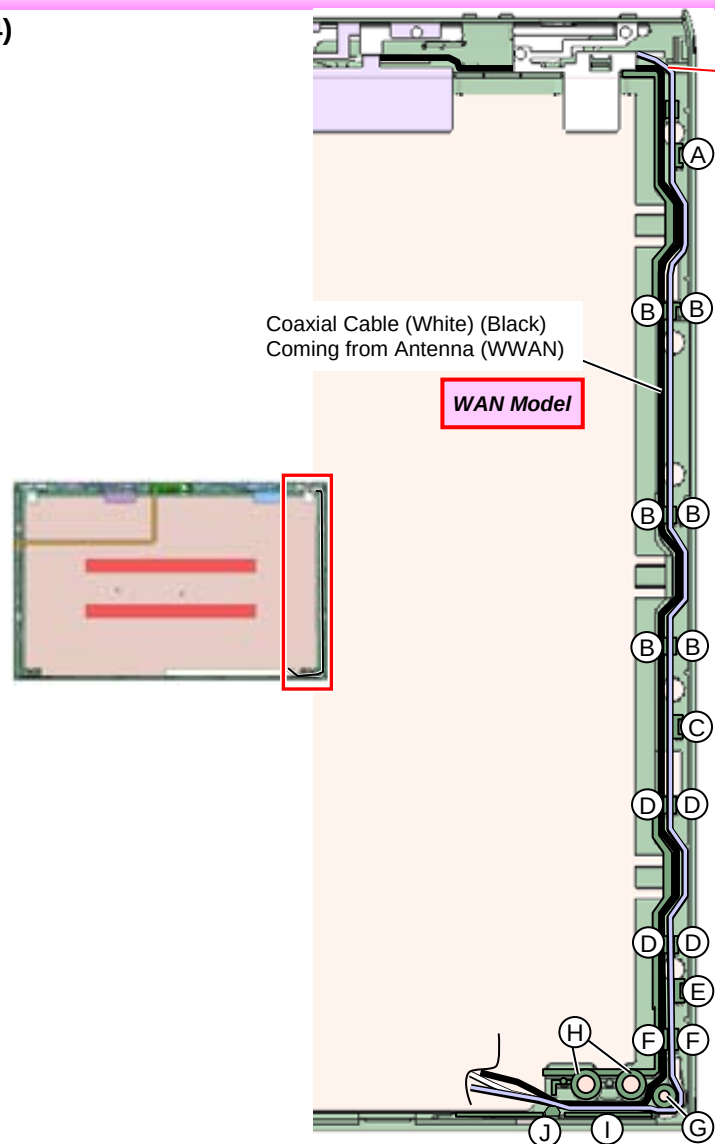
No-WAN Model

Wire the coaxial cable (gray) between the wall and the rib A (one place) and between the ribs B.

* Be careful not to pass it over the wall and the rib A (one place).

Antenna (WLAN/WIMAX AUX) -2

4)



Wire the coaxial cable (gray) as follows.

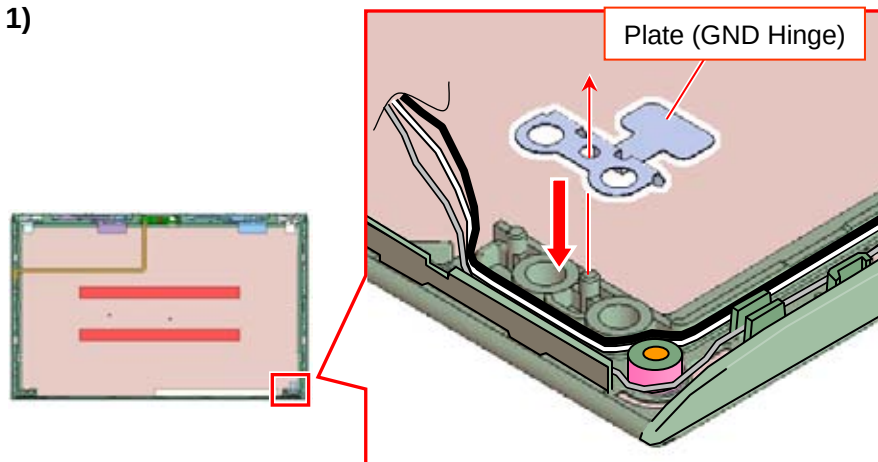
1. Pass it on the left side of the rib A and between the ribs B (six places).
2. Pass it on the left side of the rib C and between the ribs D (four places).
3. Pass it on the left side of the rib E and between the ribs F (two places).
4. Pass it in front of the boss G and between the bosses H (two places) and the rib I.

* Be careful not to pass it over the rib J (one place).

* Be careful not to overlap with coaxial cables (white and black). (WAN Model)

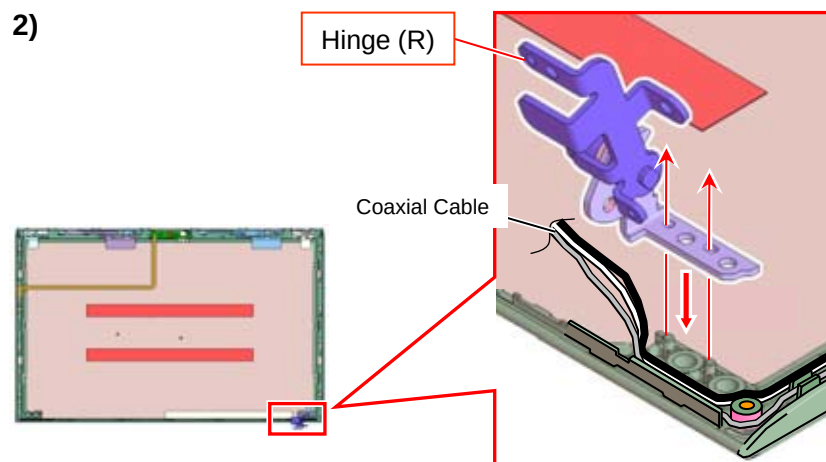
Hinge (R)

1)



Install the Plate while aligning it with the dowel (one place).

2)



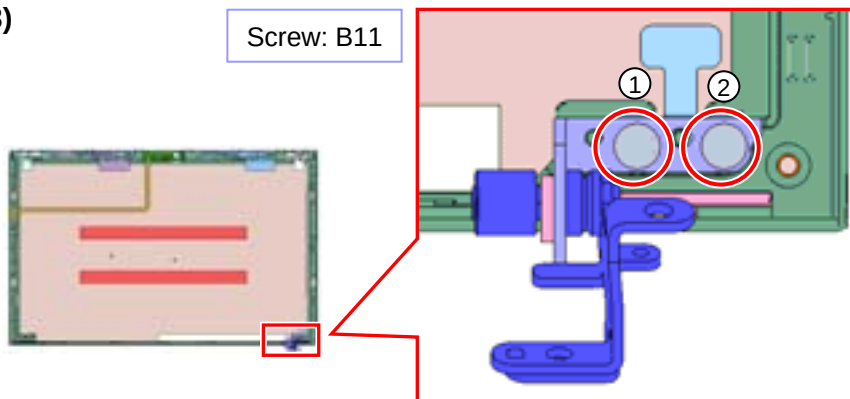
Install the Hinge while aligning it with the dowels (two places).

**Be careful not to pinch the coaxial cables.*

Coaxial Cable: WAN Model---Three Places / No-WAN Model --- One Place

3)

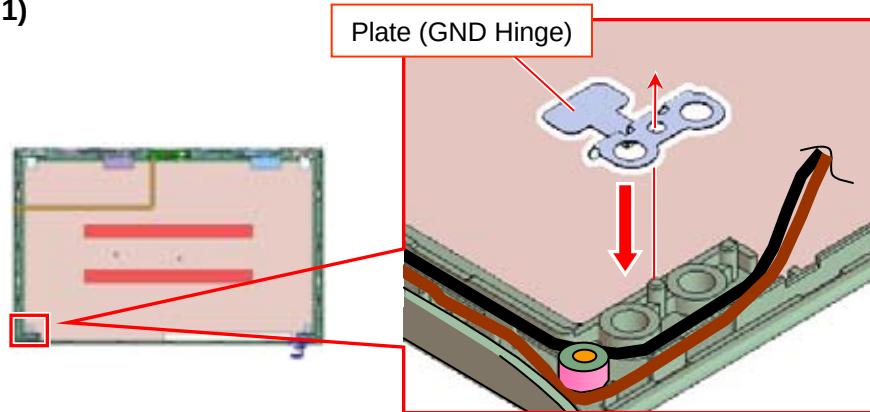
Screw: B11



Tighten the two screws in order.

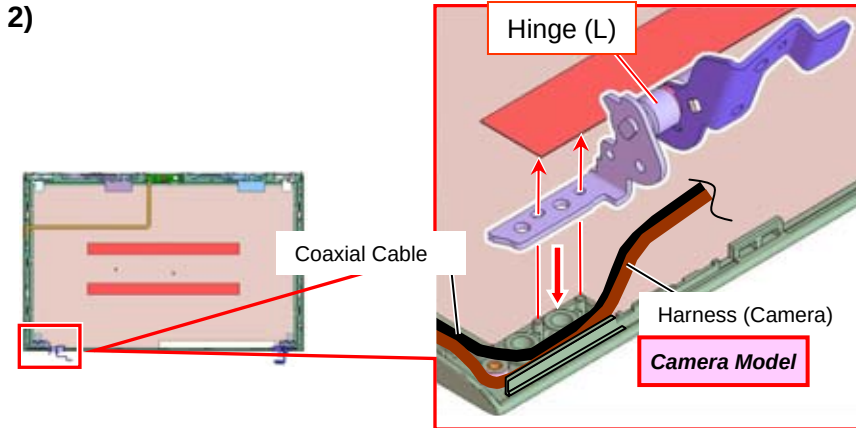
Hinge (L)

1)



Install the Plate while aligning it with the dowel (one place).

2)

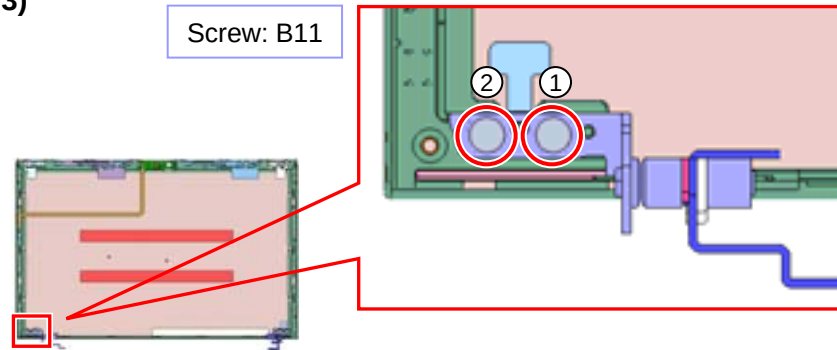


Install the Hinge while aligning it with the dowels (two places).

*Be careful not to pinch the coaxial cable.

*Be careful not to pinch the Harness (Camera). (Camera Model)

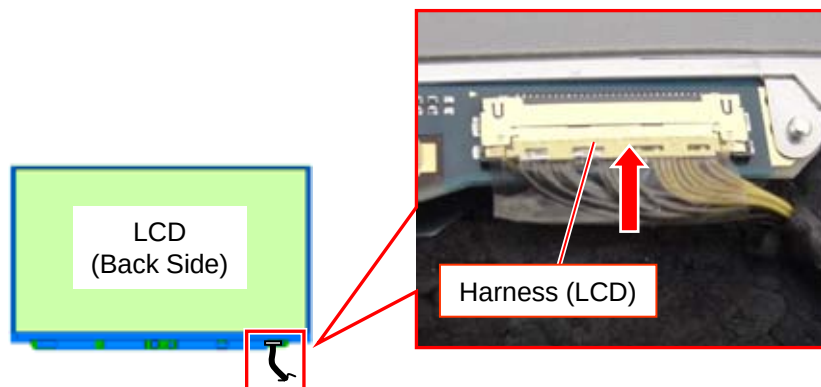
3)



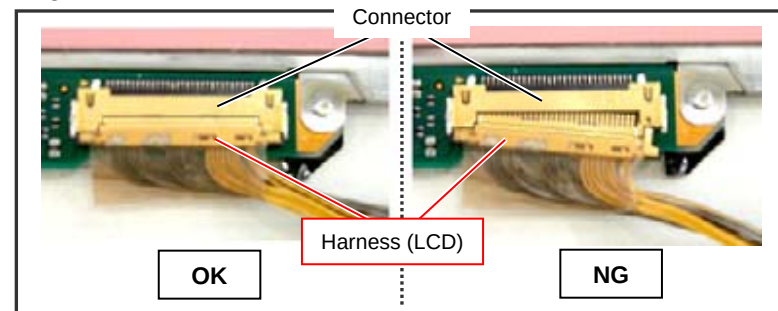
Tighten the two screws in order.

LCD -1

1)



<Fig-A>

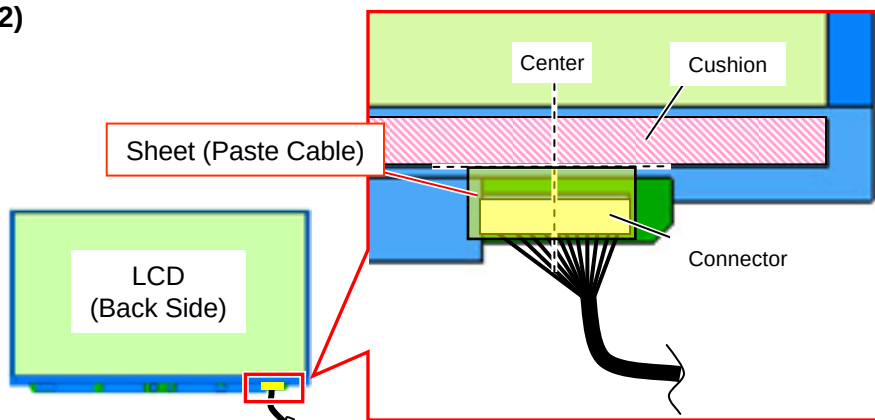


Connect the Harness (one place).

* Connect the Harness so that the connector of the Harness is placed parallel to the connector on the LCD. (Refer to the Fig-A.)

* WAN Model --- Harness (LCD WAN) /No-WAN Model---Harness (LCD)

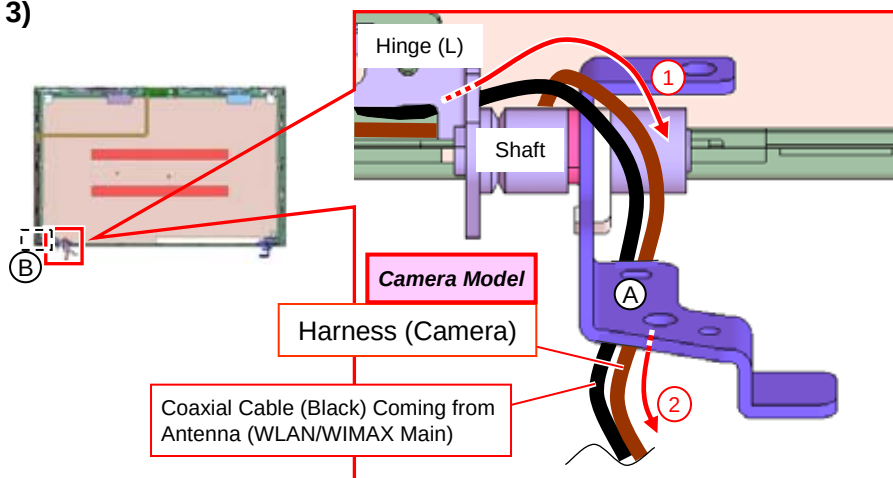
2)



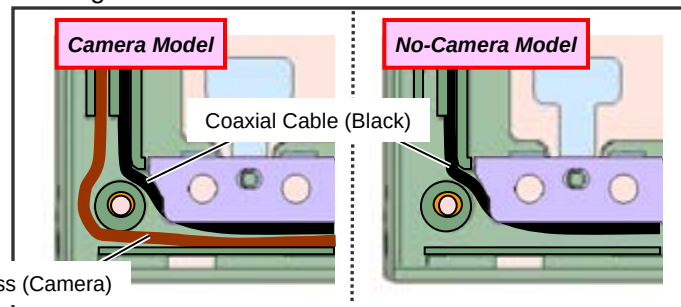
Attach the Sheet (one place).

LCD -2

3)



<Enlargement at B>



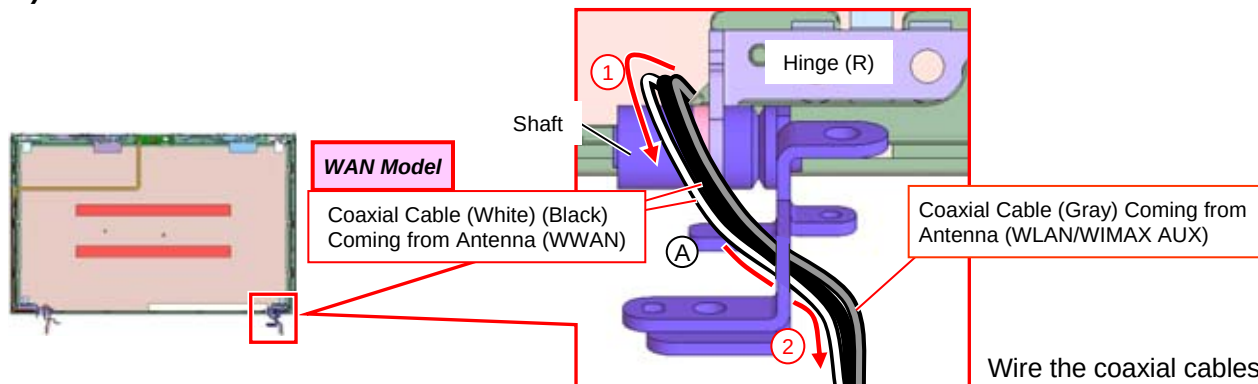
Wire the coaxial cable (one place) and the Harness (Camera) as follows.

***Harness---Camera Model**

1. Pass them on the rear of the shaft, and after passing them on top of the shaft, pass them toward the front.
2. Pass them under the A part, and then pass them toward the front.

* Be careful so that the coaxial cable and the harness do not rise at B part.

4)



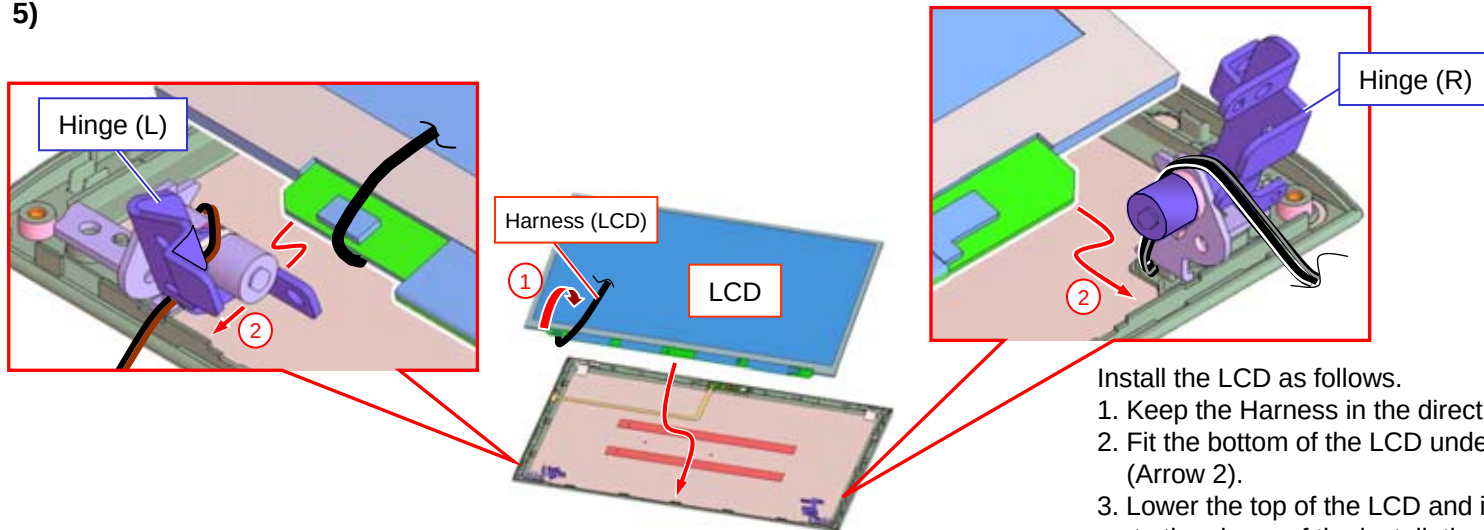
Wire the coaxial cables as follows.

* **Coaxial Cable: WAN Model---Three Places/No-WAN Model---One Place**

1. Pass them on the rear of the shaft, and hook it on top of the A part.
2. Pass it toward the front.

LCD -3

5)

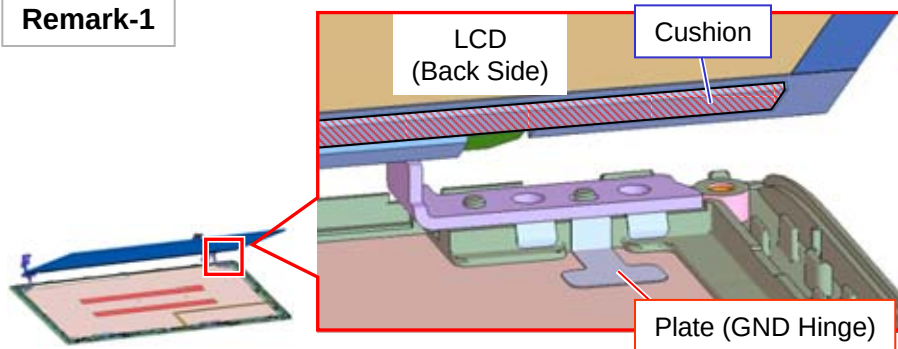


Install the LCD as follows.

1. Keep the Harness in the direction of the arrow 1.
2. Fit the bottom of the LCD under the Hinges (two places) (Arrow 2).
3. Lower the top of the LCD and install the LCD by fitting it to the shape of the installation position.

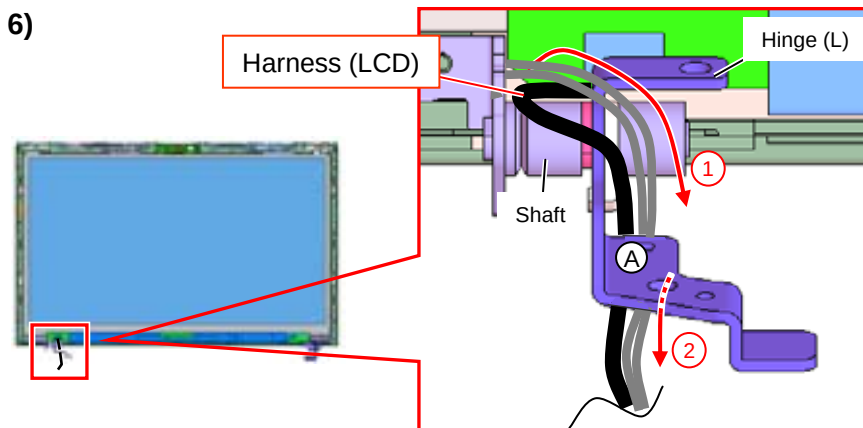
* Refer to the Remark-1.

Remark-1



Be careful that the plate is not placed in between the Cushion (one place) and the LCD.

6)



Wire the Harness (one place) as follows.

1. Pass it on the rear of the shaft, and after passing it on top of the shaft, pass it toward the front.
2. Pass it under the A part and pass it toward the front.

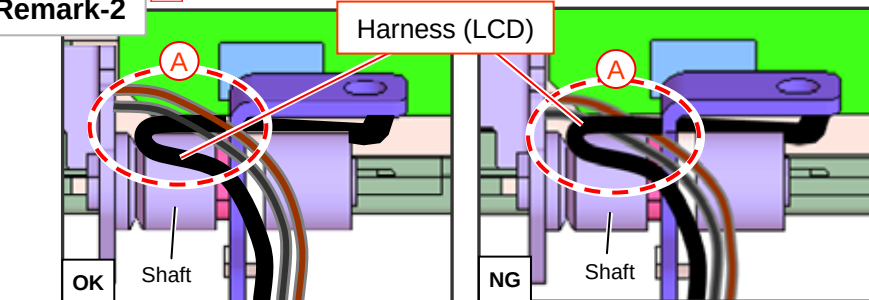
* Refer to the Remark-2.  [ADD]

LCD -4

Remark-2

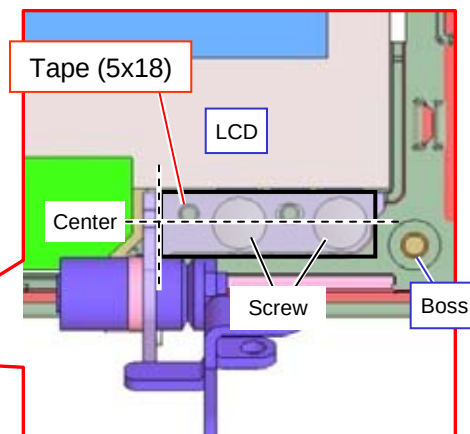
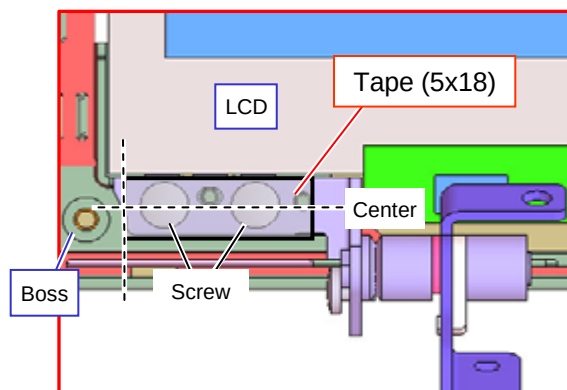
⚠ [ADD]

Harness (LCD)



Wire the Harness (LCD) so that the Harness (LCD) is placed the side closest to the shaft at the A part.

7) ⚠ ③ [ADD]

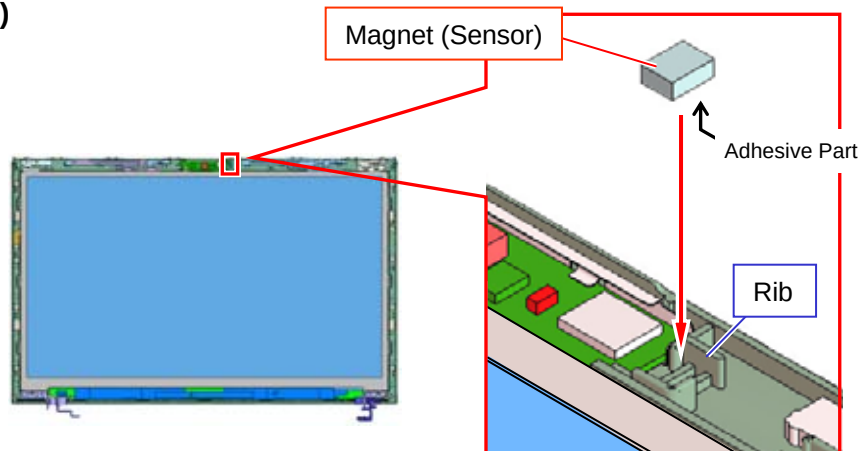


Attach the Tapes (two places) by pressing firmly not to rise.

* Be careful not to cover the bosses and LCD.

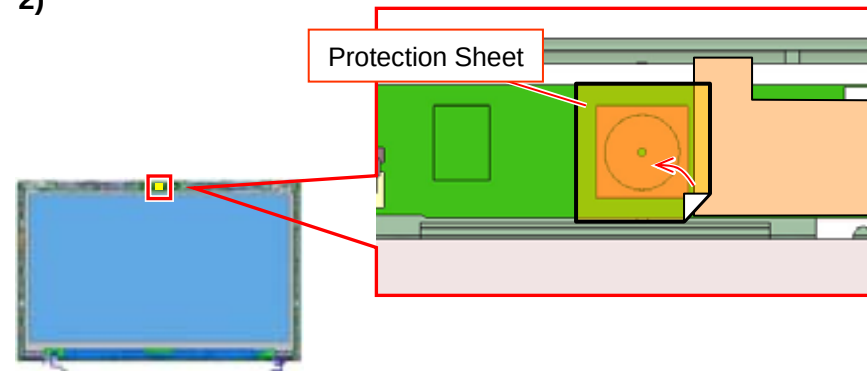
Bezel -1

1)



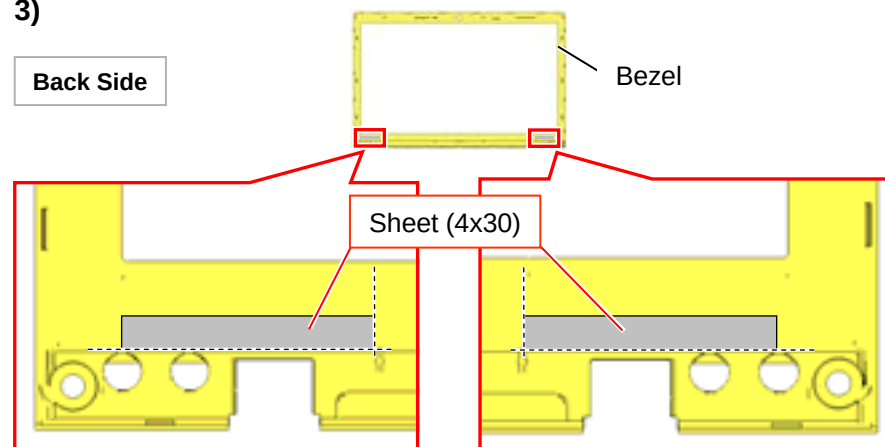
Install the Magnet with the adhesive part down while aligning it with the rib (one place).

2)



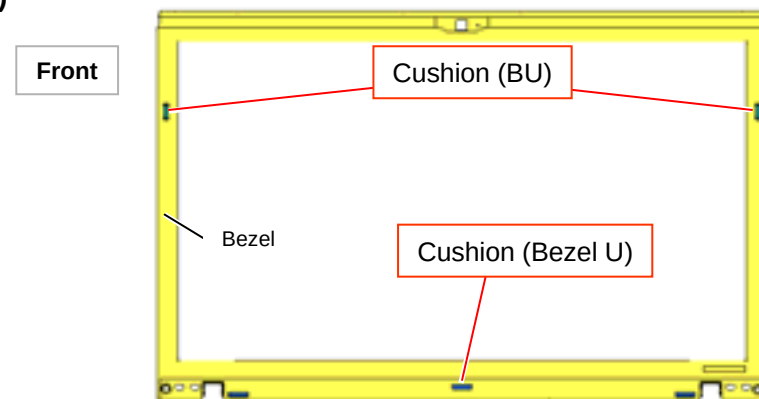
Peel off the protection sheet.

3)



Attach the Sheets (two places).

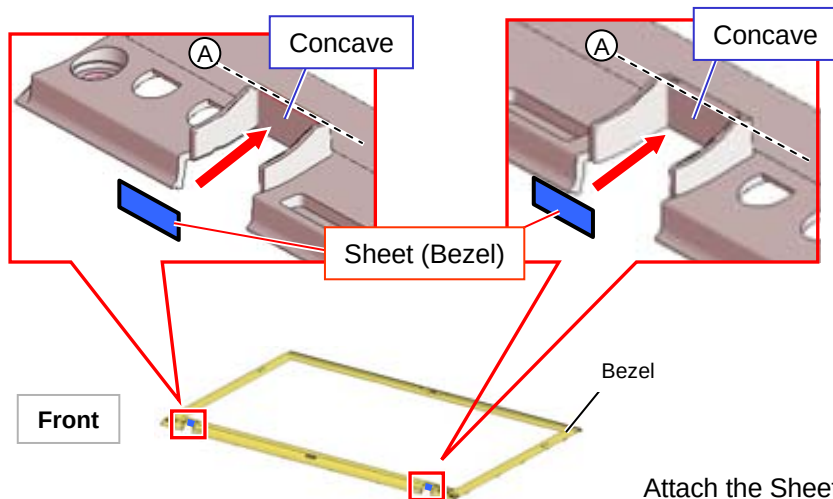
4)



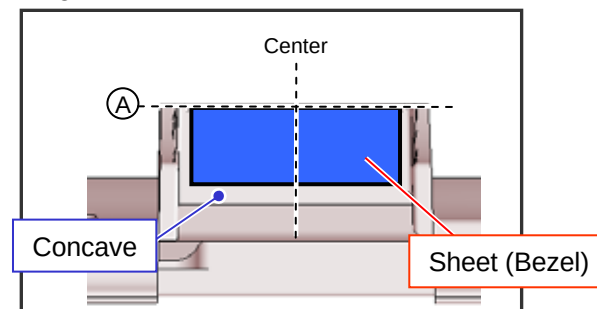
Attach the Cushions (three places).

Bezel -2

5)

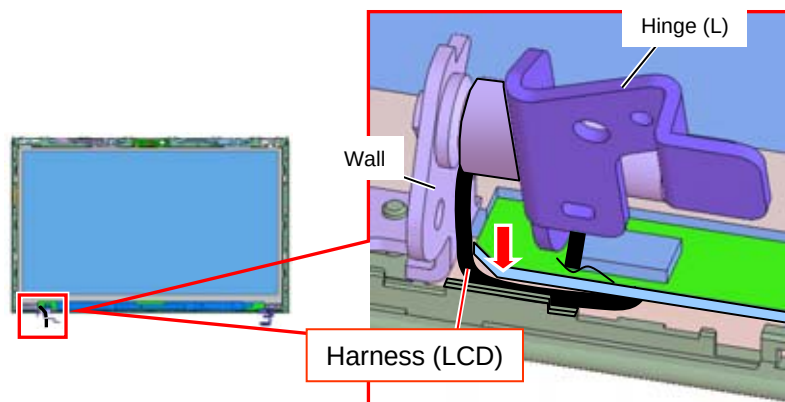


<Fig-A>



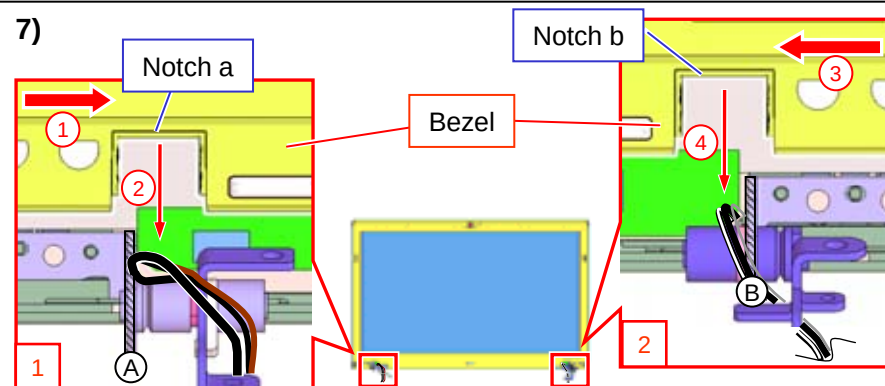
Attach the Sheets (two places) to the concave parts (two places).
 * Be careful not to protrude from the A line. (Refer to the Fig-A.)

6)



Hold the Harness (one place) so that the Harness does not rise, and pass it along the wall of the Hinge.

7)



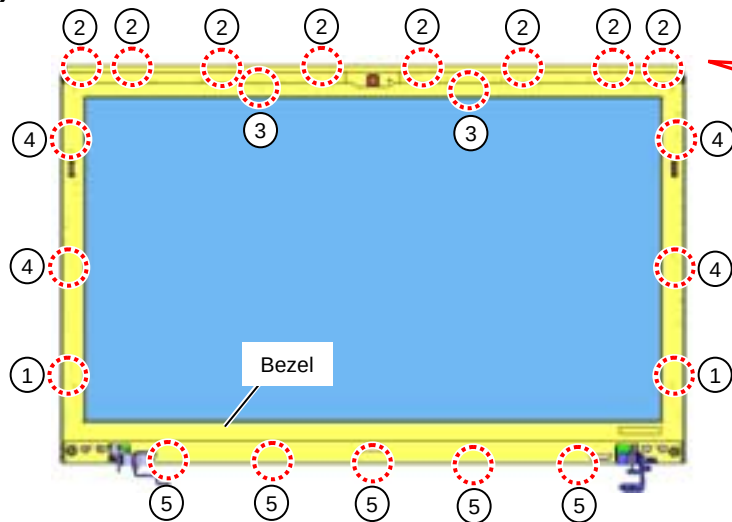
Install the Bezel as follows.

1. Move the Bezel to the right side, and fit the notch a to the A part.
2. Move the Bezel to the left side, and fit the notch b to the B part.

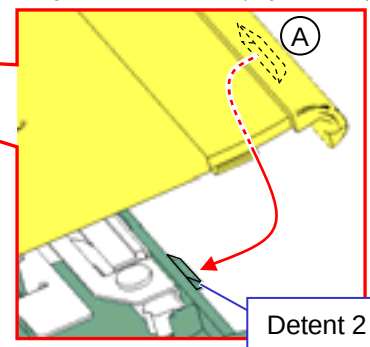
Bezel -3

While pushing the bezel toward you, and tighten the two screws.

8)

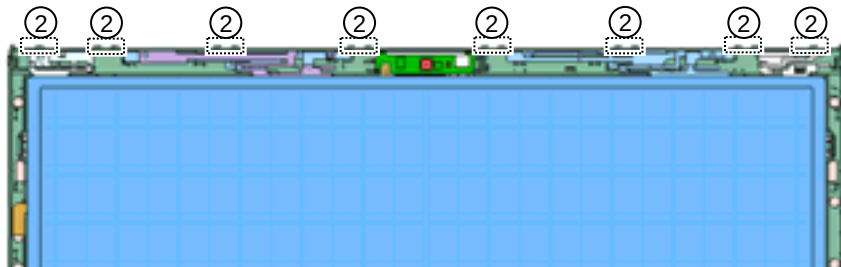


<Enlargement of Detent 2 (Eight Places)>



1. Engage the detents 1 (two places).
2. Engage the A parts (eight places) by covering the detents with the Bezel so that the detents fit into the Bezel. **Refer to the Remark.*
3. Engage the detents 3 (two places), detents 4 (four places), and the detents 5 (five places) in order.
4. Push the detent positions (21 places) again to check that the detents are locked.

Remark

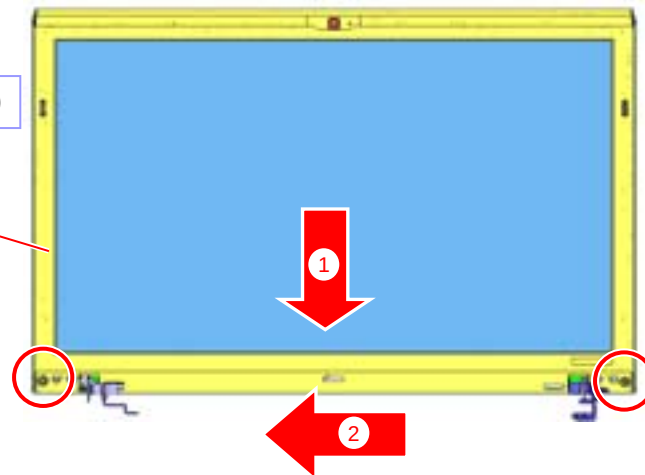


Position of Detents 2 (Eight Places)

9)

Screw: B10

Bezel

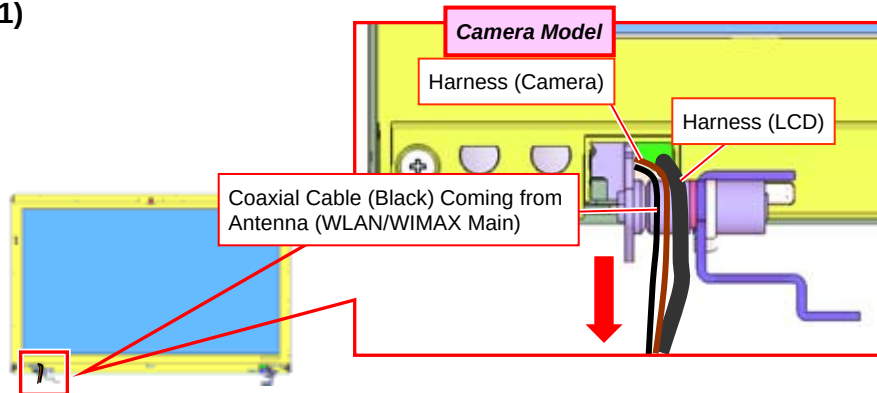


1. Move the Bezel in the direction of the arrow1.
2. While pushing the Bezel in the direction of the arrow 2, tighten the two screws.

⚠ [CHG]

Cover (Hinge L) -1

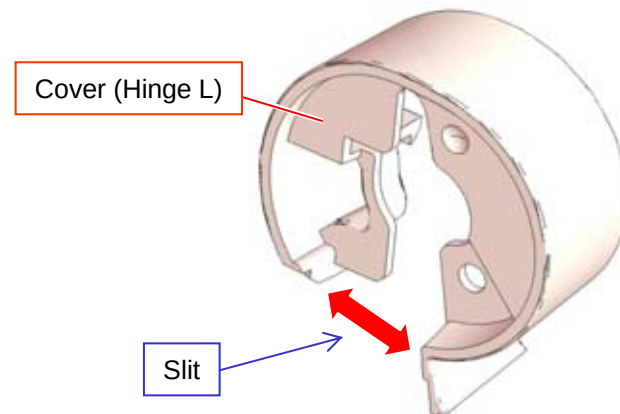
1)



Pass the Harnesses and coaxial cable (one place) toward the front.

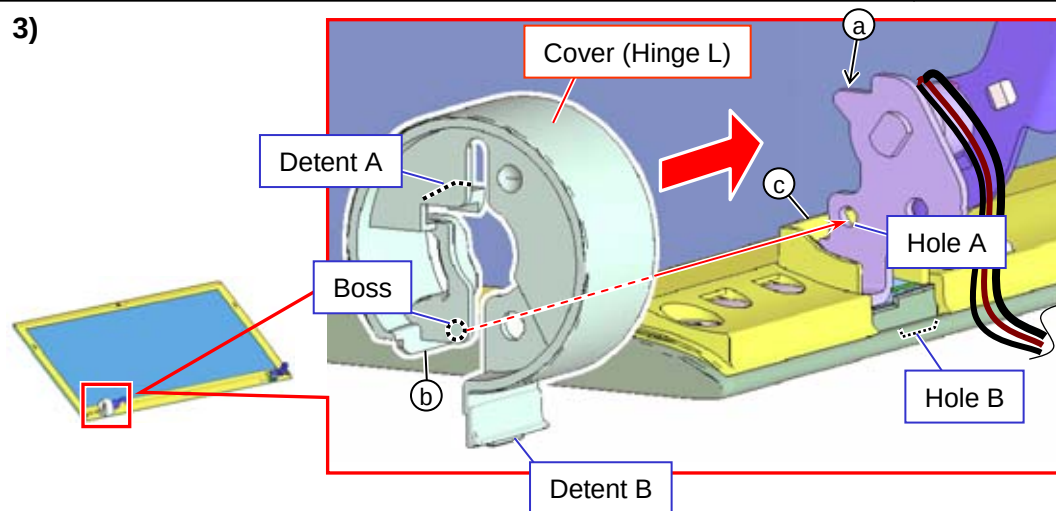
*Harness: Camera Model---Two Places/No-Camera Model---One Place

2)

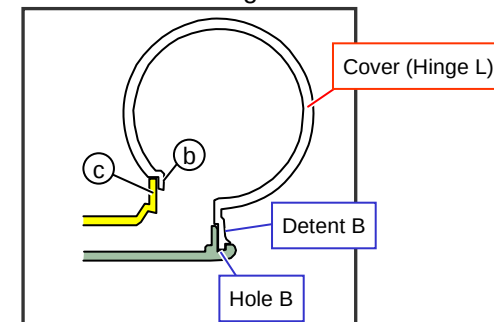


Widen the slit part.

3)



<Cross-section Diagram>

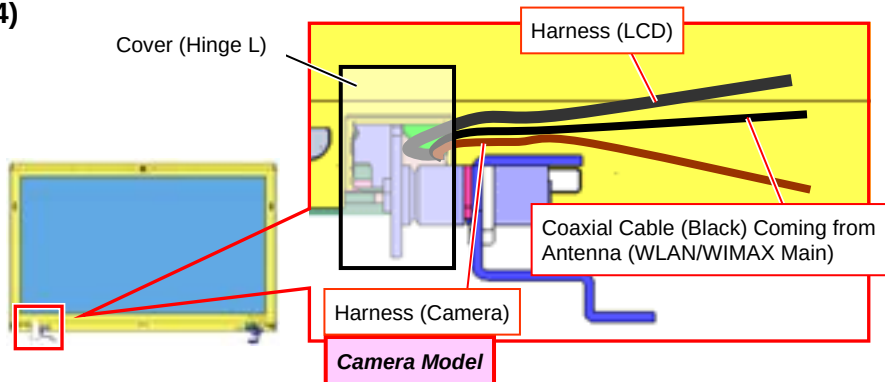


Install the Cover as follows.

1. Fit the detent A to the a part and lock them.
2. Fit the b part to the inside of the c part.
3. Fit the boss into the hole A.
4. Fit the detent B into the hole B.

Cover (Hinge L) -2

4)

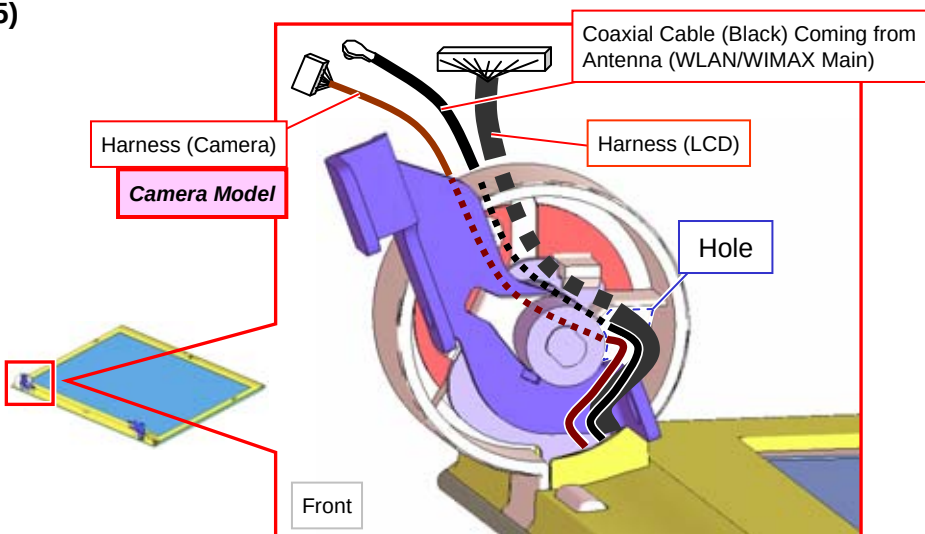


Wire the Harnesses and the coaxial cable so that they are placed as follows.

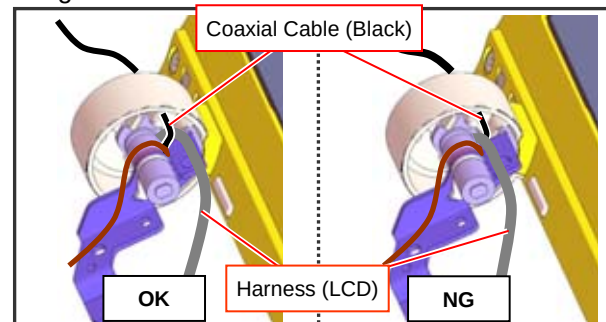
Rear: Harness (LCD) / Center: Coaxial Cable (Black) / Front: Harness (Camera)

*Harness (Camera) ---Camera Model

5)



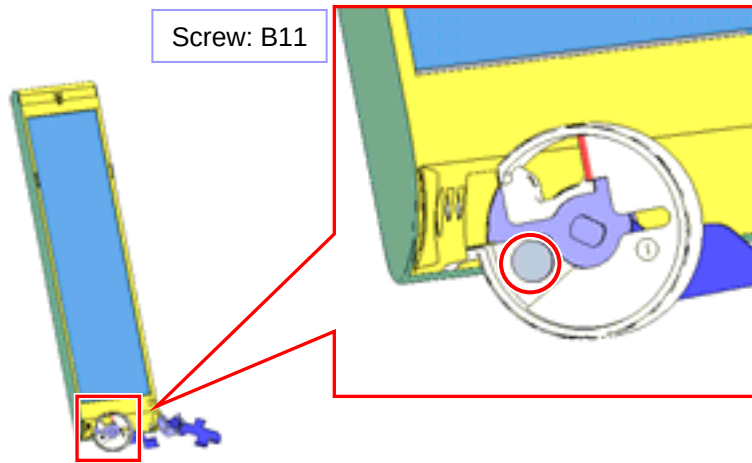
<Fig-A>



1. Wire the coaxial cable (black) so that it is placed in front of the Harness (LCD), and pass it through the hole. (Refer to the Fig-A.)
2. Pass the Harness (LCD) through the hole.
3. Pass the Harness (Camera) through the hole. (Camera Model)

Cover (Hinge L) -3

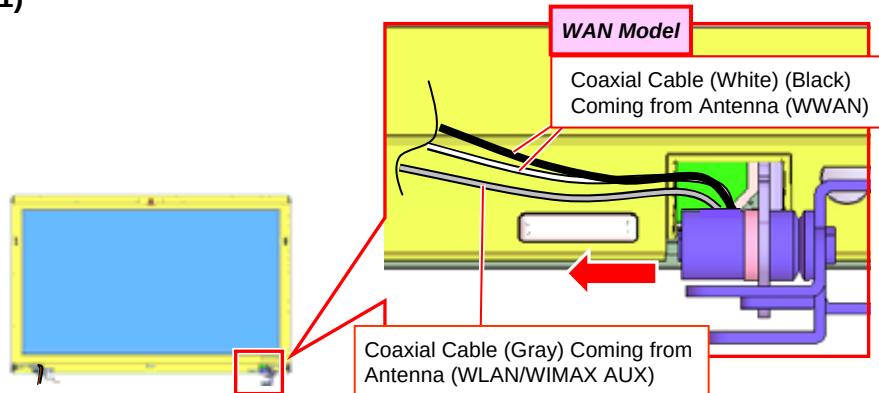
6)



Tighten the screw.

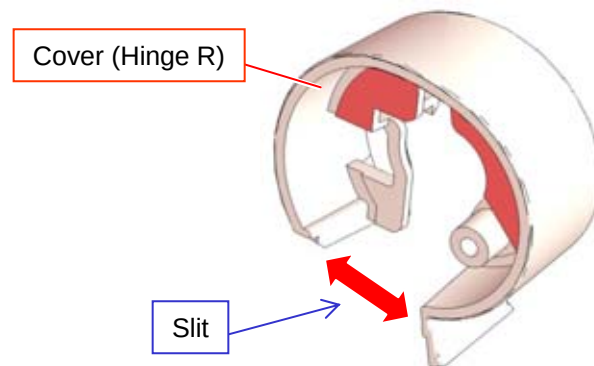
Cover (Hinge R) -1

1)



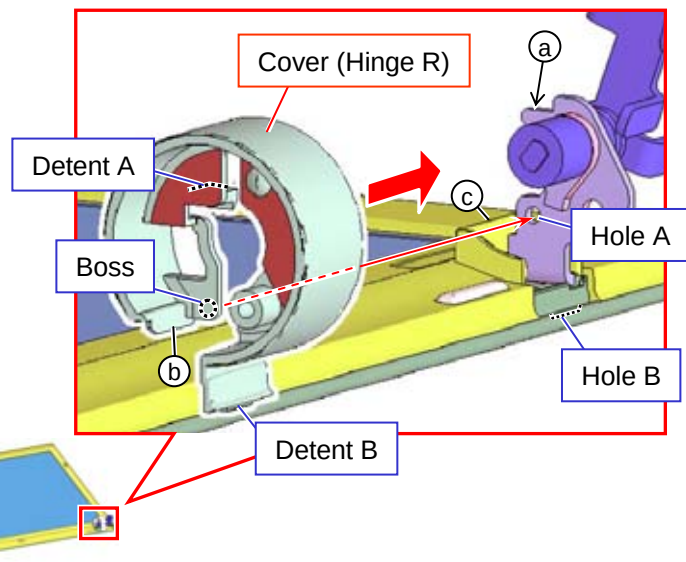
Wire the coaxial cables to the left side.

2)

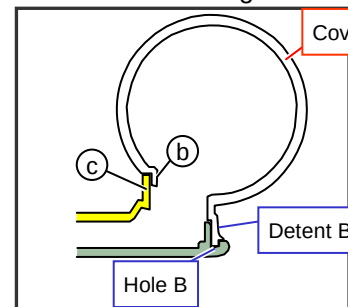


Widen the slit part.

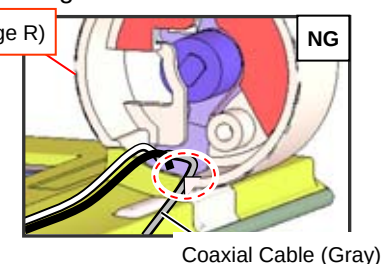
3)



<Cross-section Diagram>



<Fig-A>



Install the Cover as follows.

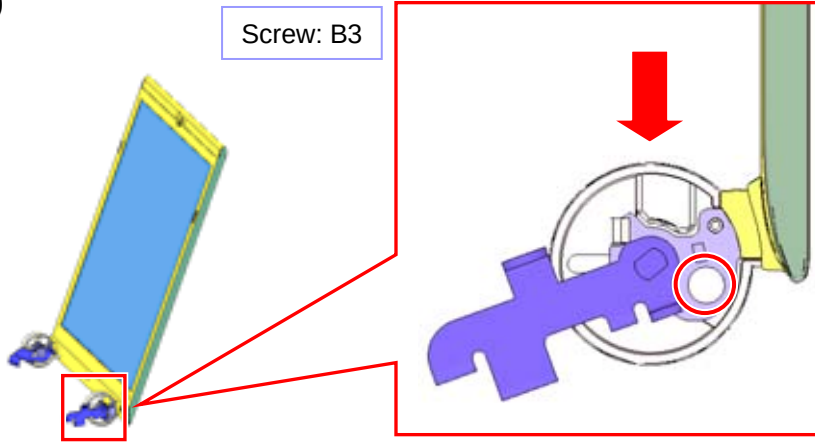
1. Fit the detent A to the a part and lock them.
2. Fit the b part to the inside of the c part.
3. Fit the boss into the hole A. (1st Model) ⚠ [MA]
4. Fit the detent B into the hole B.

* Be careful not to pinch the coaxial cable (one place). (Refer to the Fig-A.)

Cover (Hinge R) -2

4)

Screw: B3

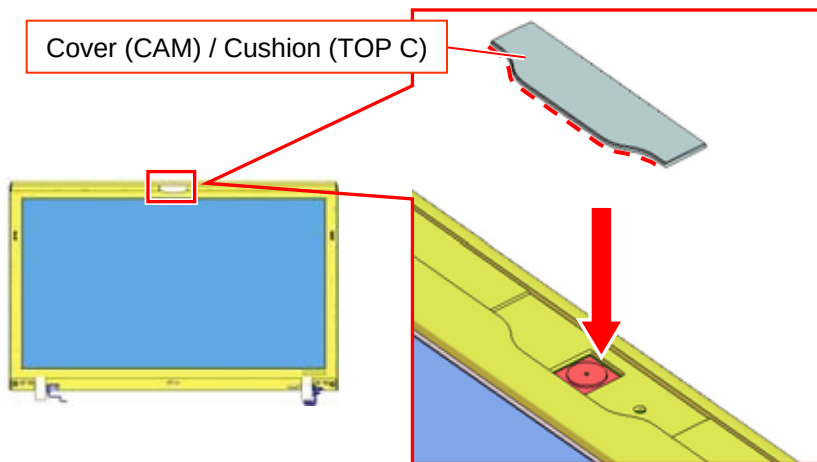
**⚠ [ADD]**

While pushing the Cover in the direction of the arrow, tighten the screw.

Attachment -1

1)

Cover (CAM) / Cushion (TOP C)



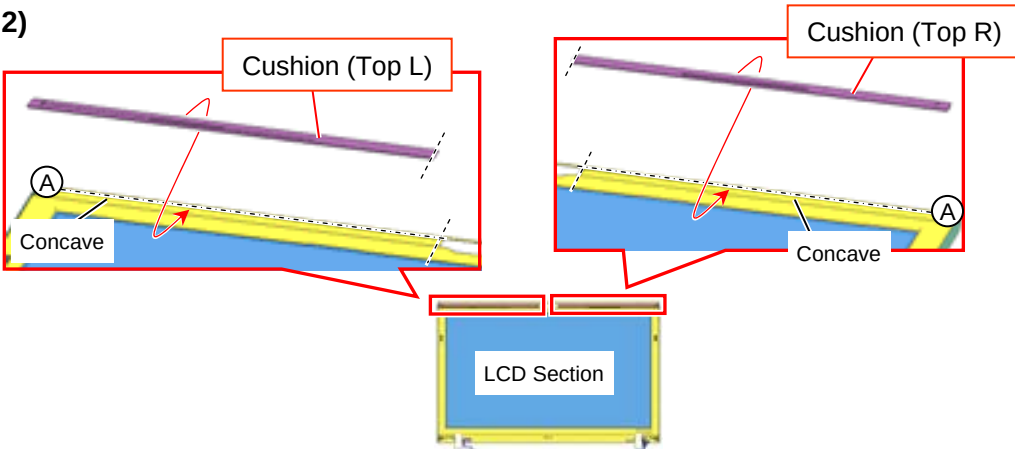
Aligning with the dotted line part shape, attach the Cover/Cushion (one place).

*Cover---Camera Model/Cushion---No-Camera Model

2)

Cushion (Top L)

Cushion (Top R)

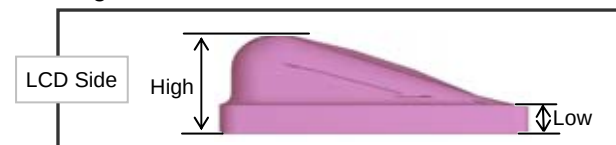


Fit the Cushions (two places) to the concave parts (two places), and attach the Cushions (two places) by applying them to the A side.

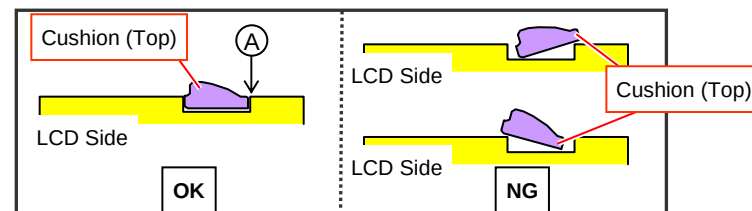
*Pay attention to the direction. (Refer to the Fig-A.)

*Be careful not to protrude from the concave part. (Refer to the Fig-B.)

<Fig-A>

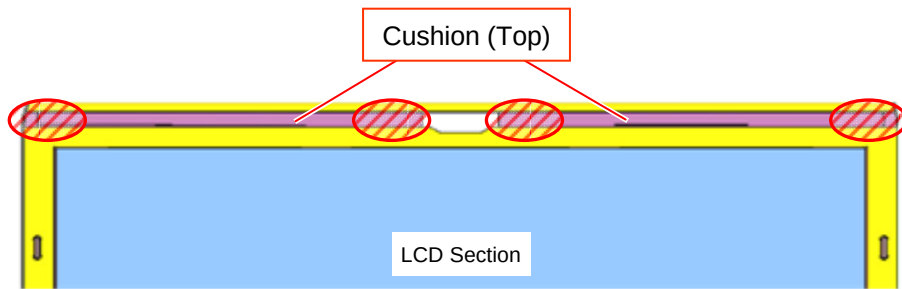


<Fig-B>



Attachment -2

3)  [ADD]



Press the shaded areas (four places) firmly to secure the Cushions firmly.

Update History

[ADD]---Addition [DEL]---Deletion [CHG]---Change [COR]---Correction [MA]---Model Addition

Date		Contents	Version No.
2010.05.12		[MA] [ADD] Remark / Procedure	2.00
2010.09.08		[ADD] Attachment (Page 22) / Procedure (Page 32) [CHG] Procedure (Page 25)	3.00

Chapter 1. Disassembly & Assembly Guide

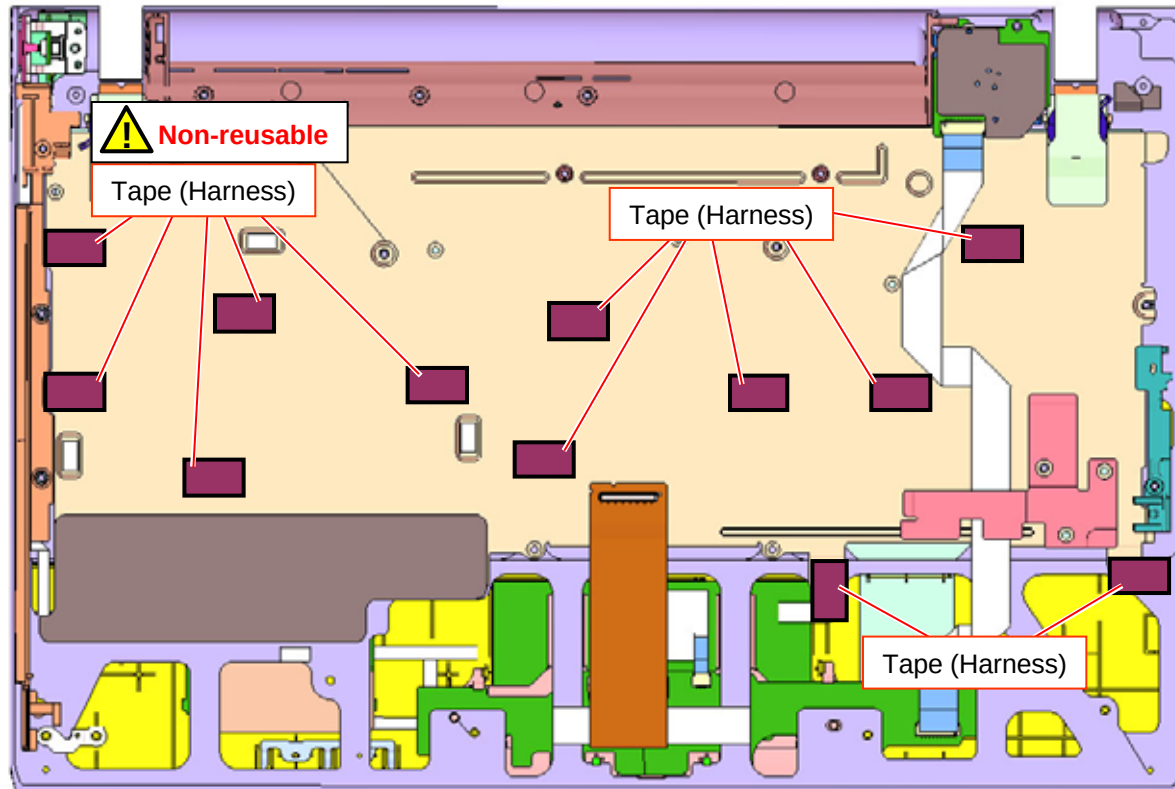
1-3. Disassembly & Assembly

- Palmrest Block -

P-1 Palmrest Block Disassembly

Tape (Harness)

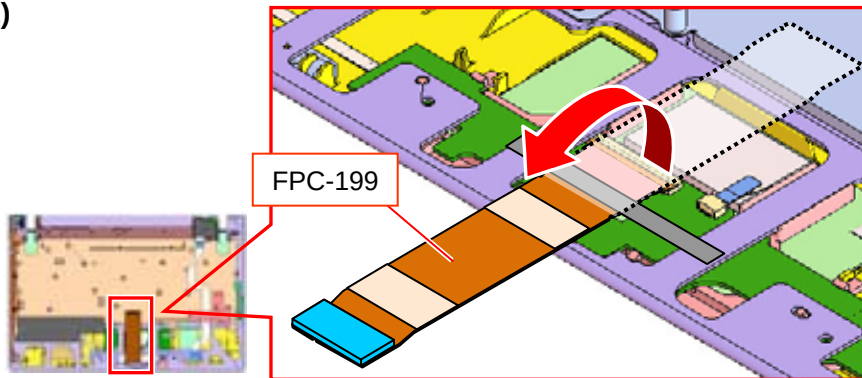
1)



Peel off the Tapes (12 places).

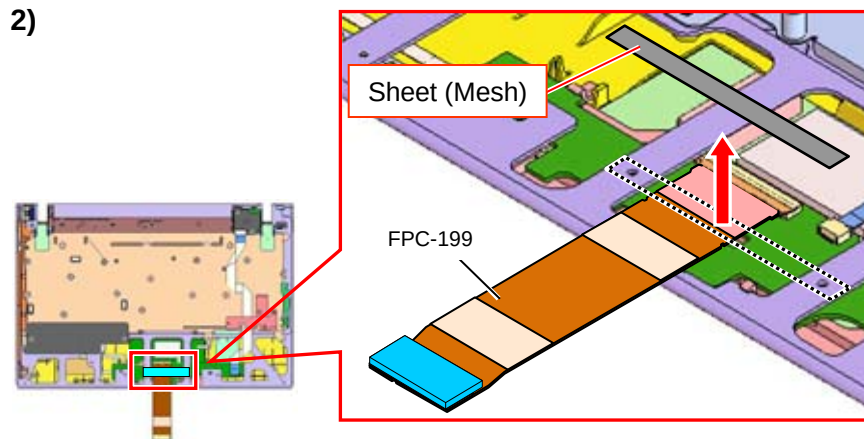
FPC-199

1)



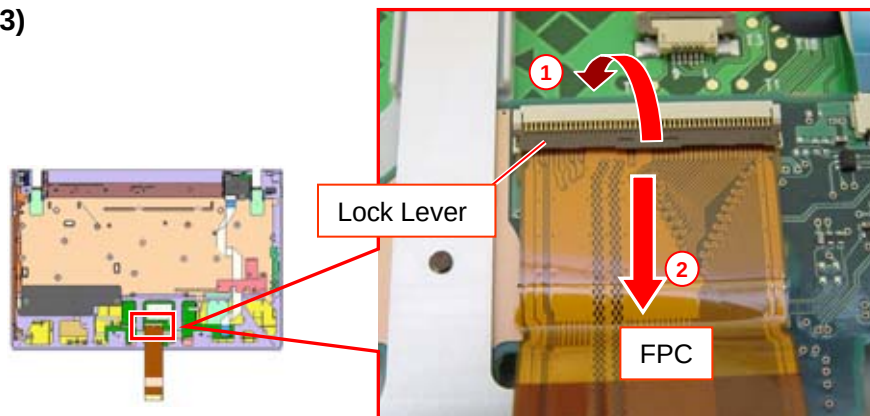
Turn up the FPC in the direction of the arrow.

2)



Peel off the Sheet (one place).

3)



Raise the lock lever (one place) to release the lock (arrow 1), and disconnect the FPC (one place) (arrow 2).

FFC, Sheet (Safe ODD)

1)

FFC Coming from SWX-330 Board

SWX-328Board

Disconnect the FFC (one place).

2)

Lock Lever

FFC (SWX328-TP)

Remove the FFC (one place) as follows.

1. Disconnect the A part (arrow 1).
2. Raise the lock lever (one place) to release the lock (arrow 2), and disconnect the B part (arrow 3).

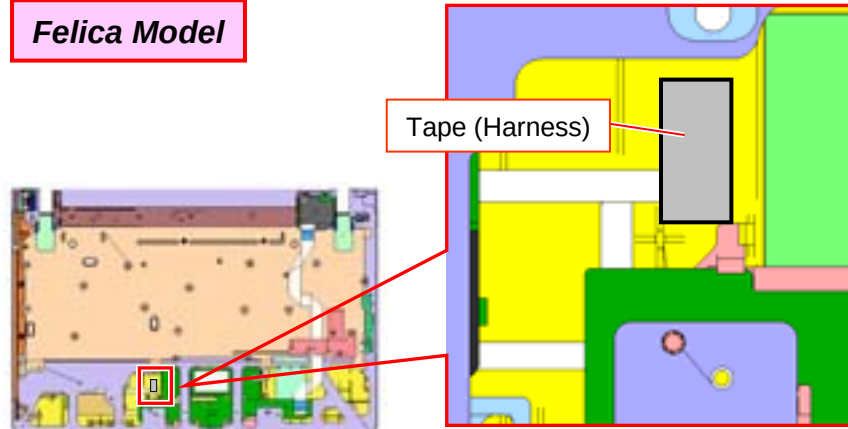
3)

Sheet (Safe ODD)

Peel off the Sheet (one place).

Palm Mold -1

1) Felica Model



Peel off the Tape (one place).

2)

Screw: B2



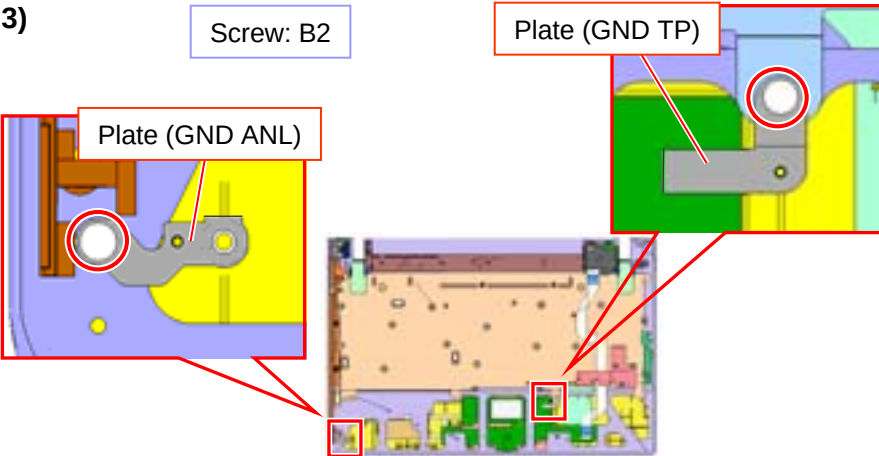
Remove the three screws.

3)

Screw: B2

Plate (GND TP)

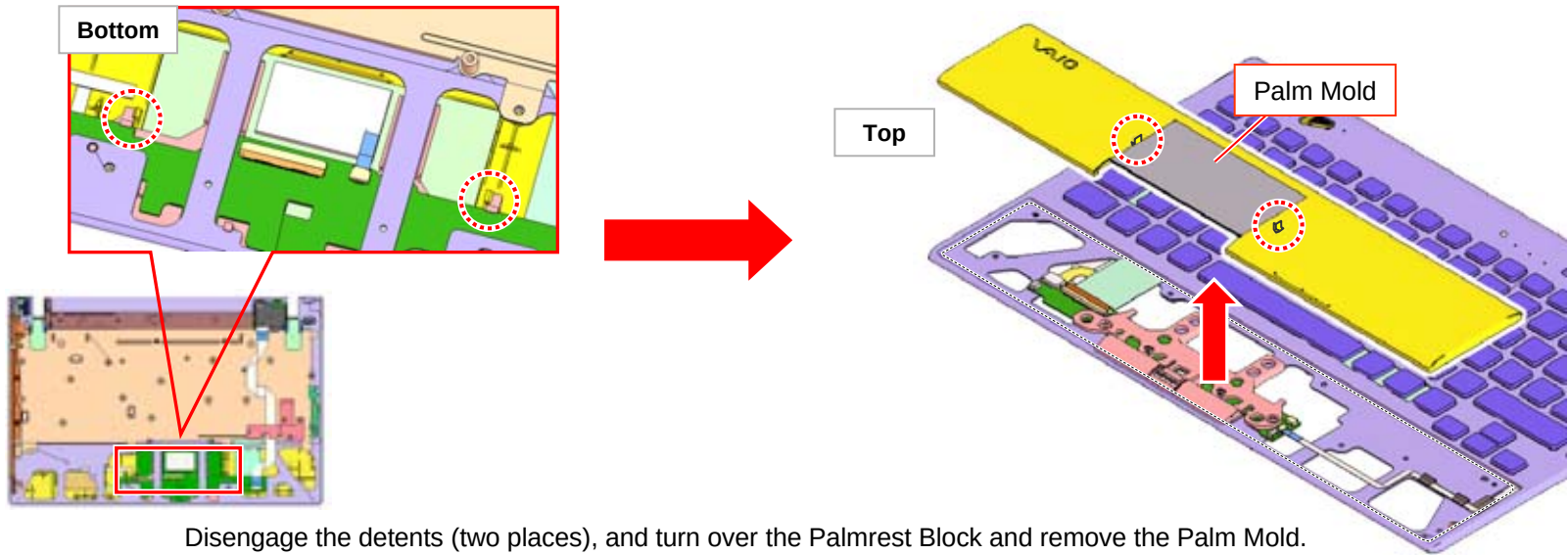
Plate (GND ANL)



Remove the two screws and remove the Plates (two places).

Palm Mold -2

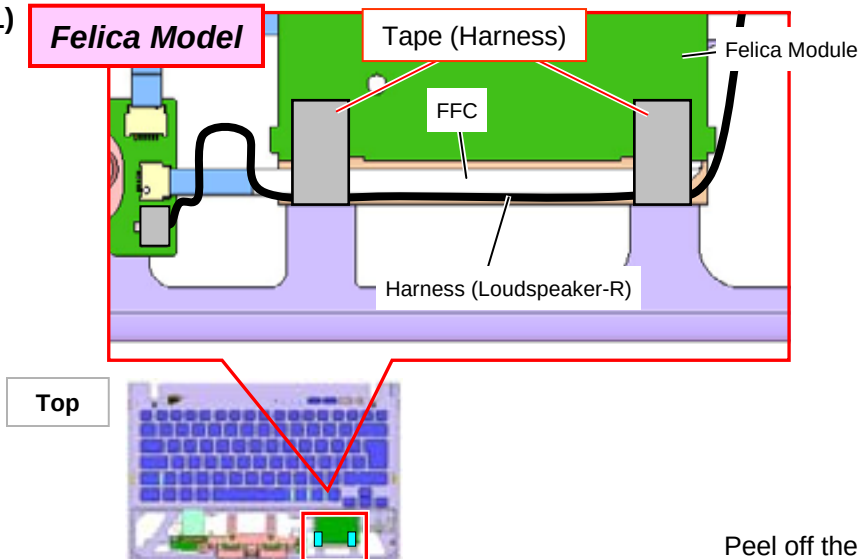
4)



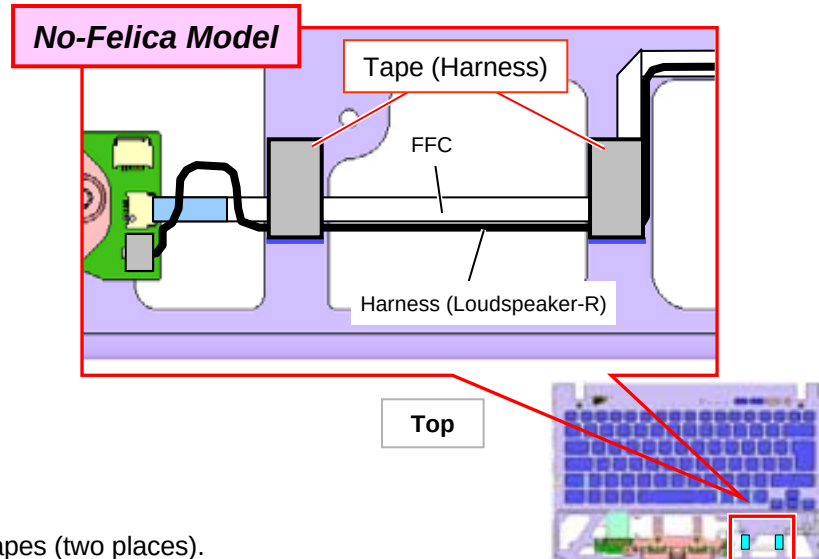
Felica Module -1

1)

Felica Model



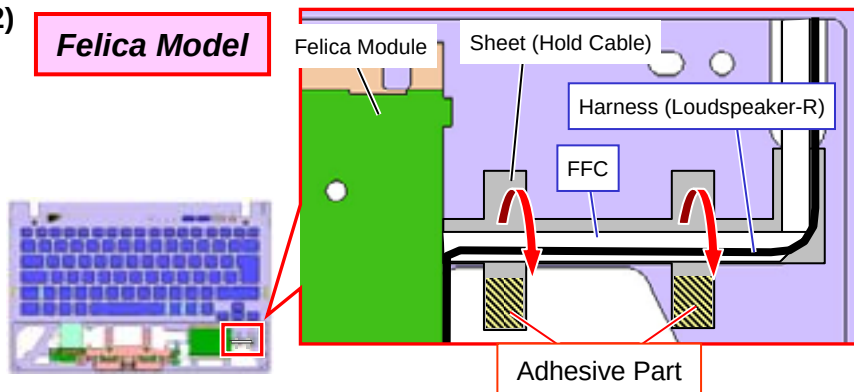
No-Felica Model



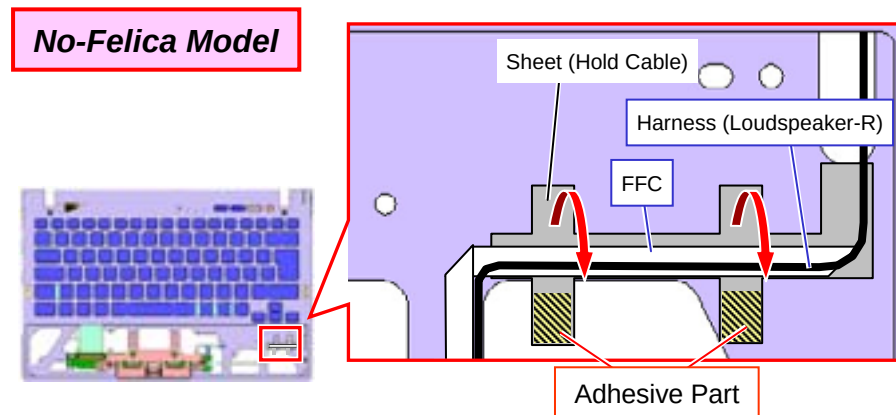
Peel off the Tapes (two places).

2)

Felica Model



No-Felica Model

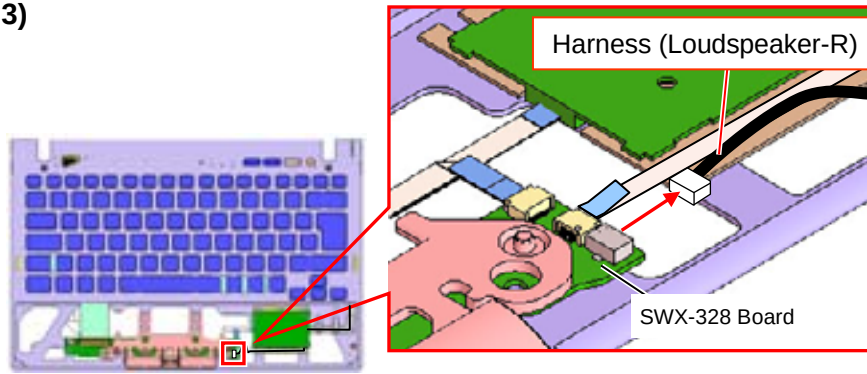


Peel off the adhesive parts (two places) in the direction of the arrow.

* Harness (one place) and FFC (one place) are secured with the Sheet.

Felica Module -2

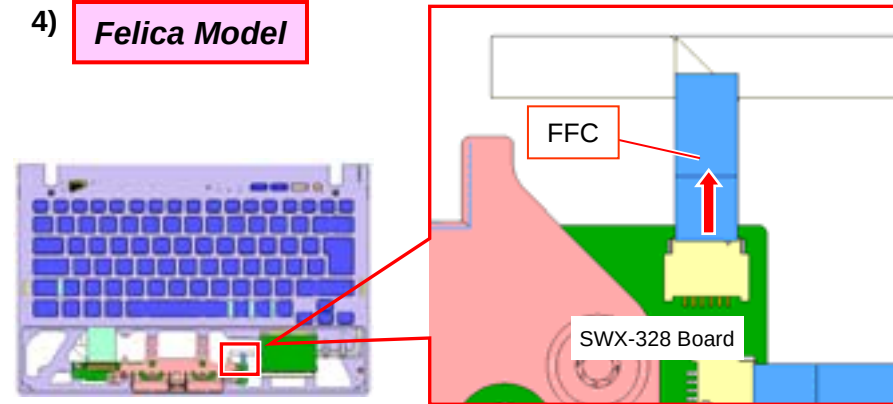
3)



Disconnect the Harness (one place).

4)

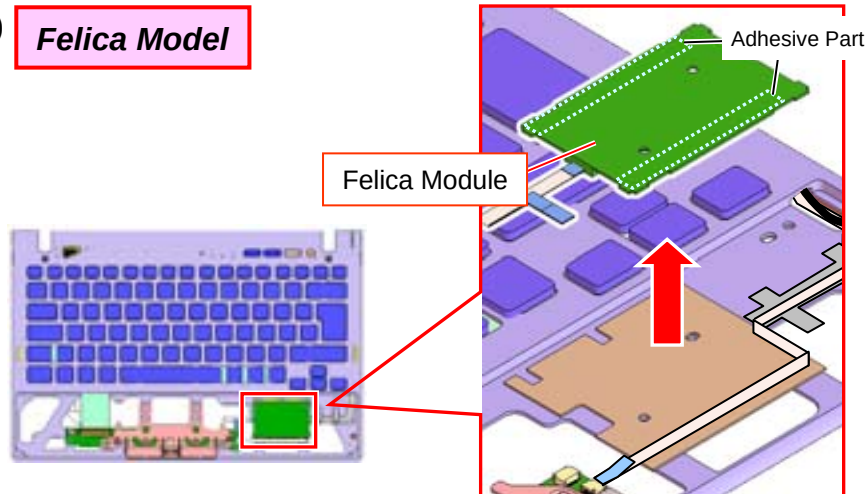
Felica Model



Disconnect the FFC (one place).

5)

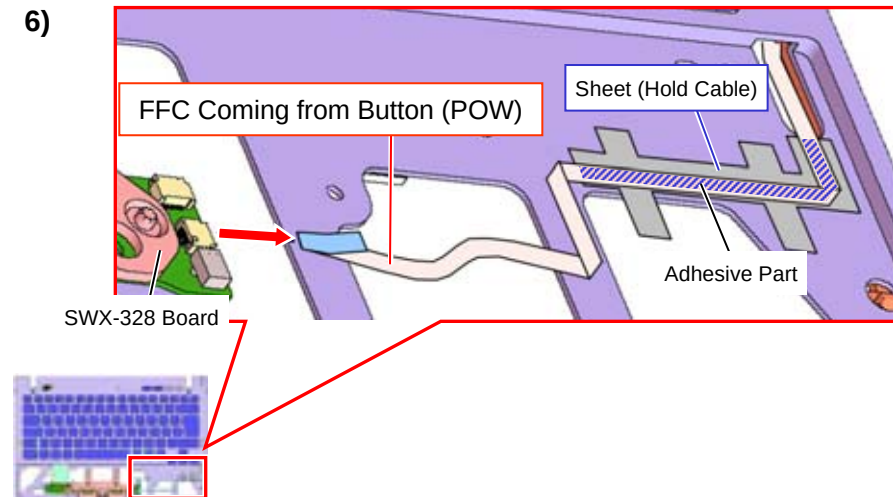
Felica Model



Remove the Felica Module.

*It is secured with two pieces of adhesive tape.

6)

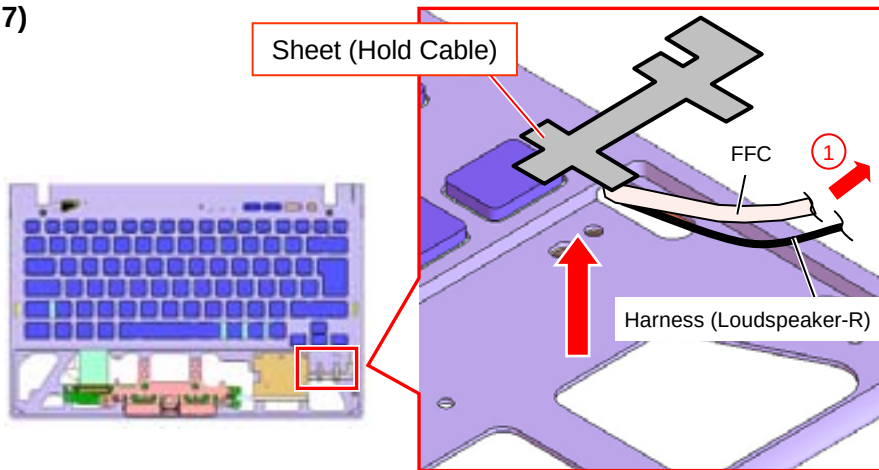


Disconnect the FFC (one place), and peel off the adhesive part.

* It is secured with the Sheet (one place).

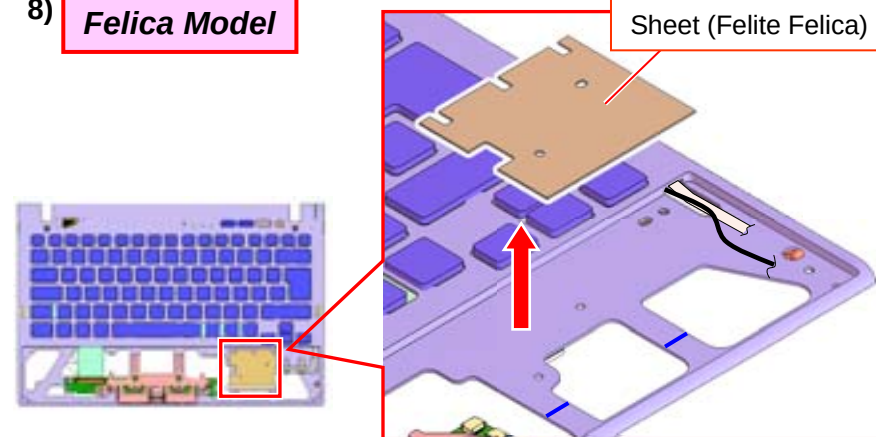
Felica Module -3

7)



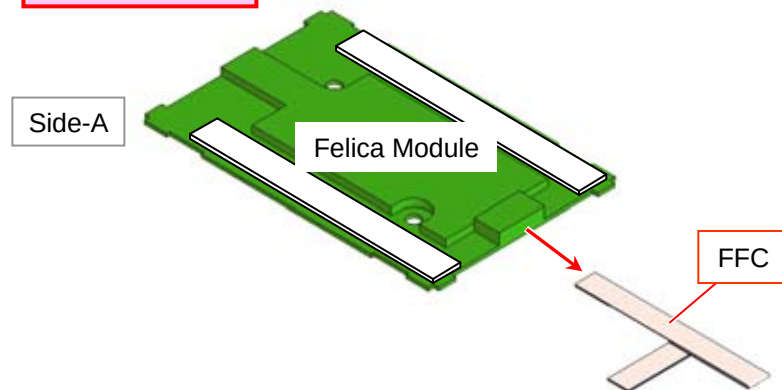
Keep the FFC (one place) and the Harness (one place) in the direction of the arrow, and peel off the Sheet (one place).

8)

Felica Model

Peel off the Sheet (one place).

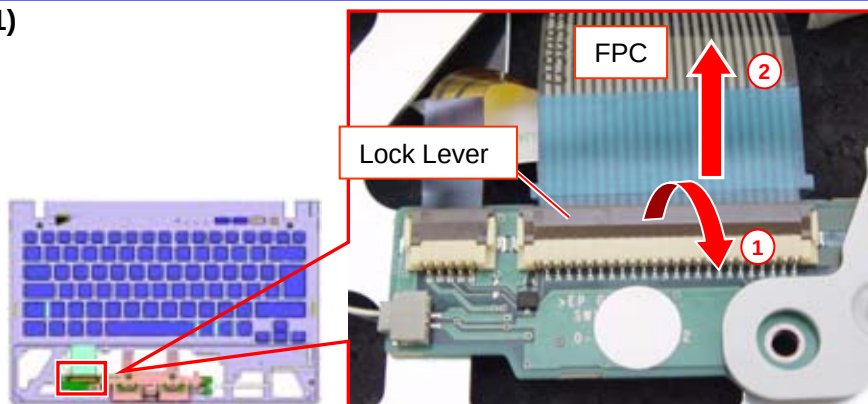
9)

Felica Model

Disconnect the FFC (one place).

Button (TP FP / TP NFP) -1

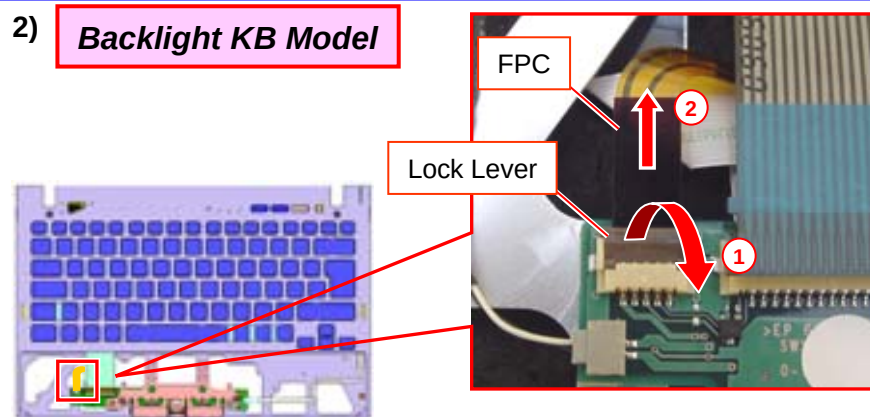
1)



Raise the lock lever (one place) to release the lock (arrow 1), and disconnect the FPC (one place) (arrow 2).

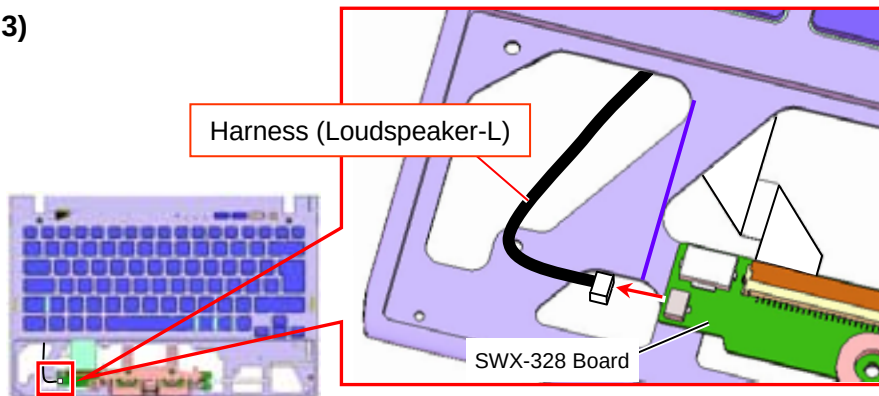
2)

Backlight KB Model



Raise the lock lever (one place) to release the lock (arrow 1), and disconnect the FPC (one place) (arrow 2).

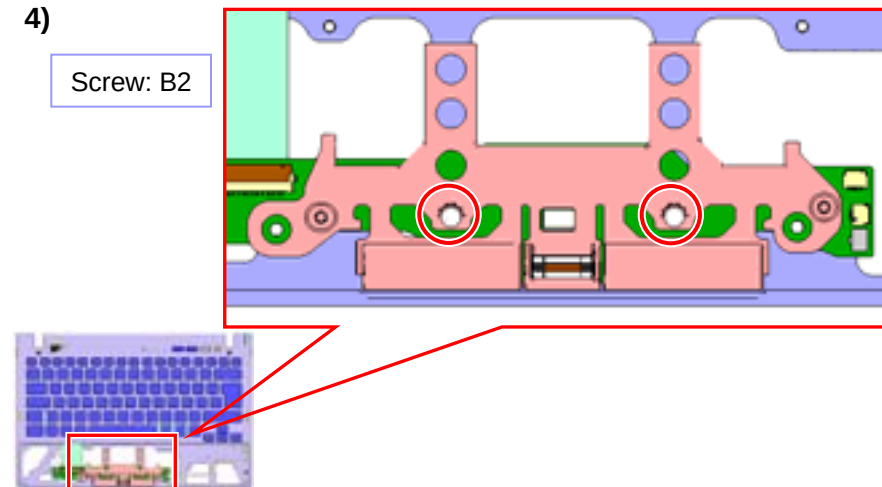
3)



Disconnect the Harness (one place).

4)

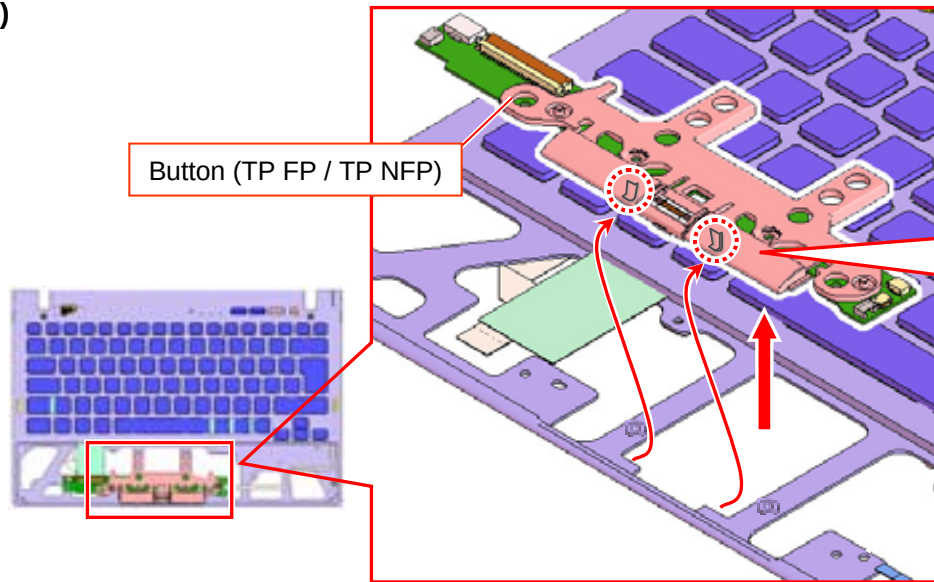
Screw: B2



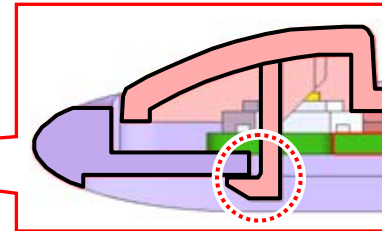
Remove the two screws.

Button (TP FP / TP NFP) -2

5)



<Cross-section Diagram>



Disengage the detents (two places) and remove the Button.

*FP Model --- Button (TP FP) / No-FP Model --- Button (TP NFP)

Parts of the Button (TP FP / TP NFP)

1)

No-FP Model

Side-B

SWX-328 Board

Button (TP NFP)

Disengage the detents (two places) and remove the SWX Board.

2)

FP Model

Side-B

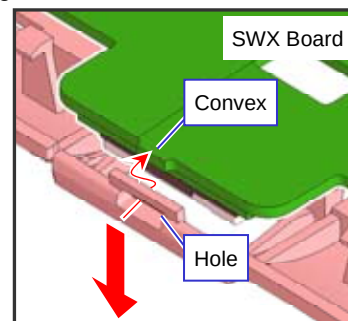
SWX-328 Board

Convex

Hole

Button (TP FP)

<Fig-A: View from the Direction of Arrow A>



1. While pushing down the hole part, release the convex part.
2. Disengage the detents (two places) and remove the SWX Board.

Cushion (ODD Big), Plate (VRAM)

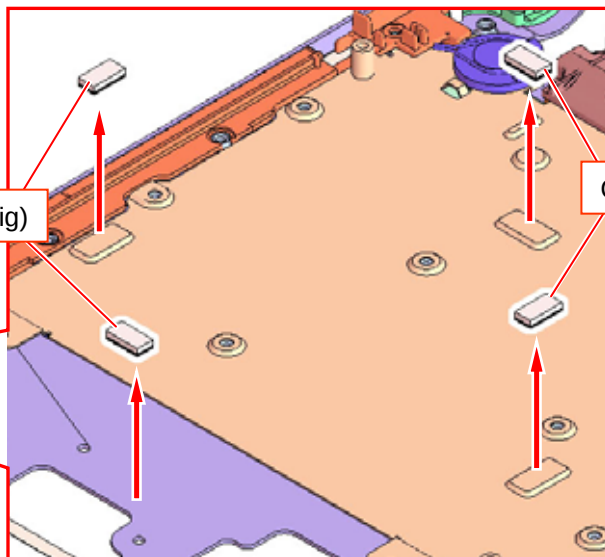
1)

ODD Model

Bottom

Cushion (ODD Big)

Cushion (ODD Big)

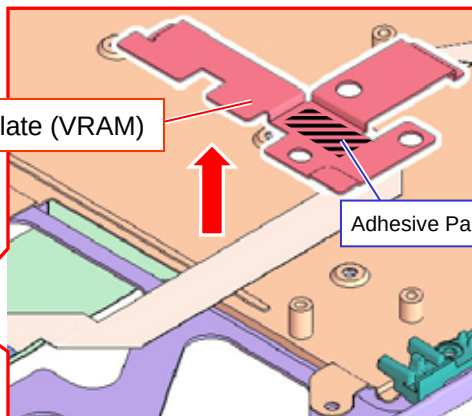


Peel off the Cushions (four places).

2)

Plate (VRAM)

Adhesive Part



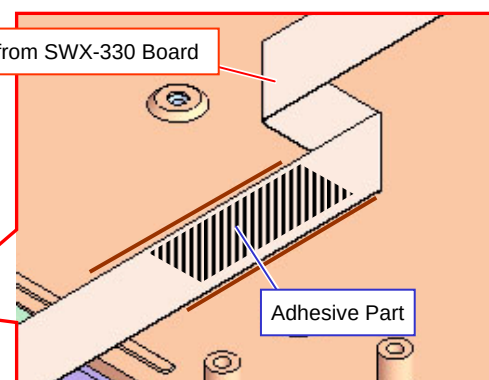
Remove the Plate.

*It is secured with a piece of adhesive tape.

3)

FFC Coming from SWX-330 Board

Adhesive Part

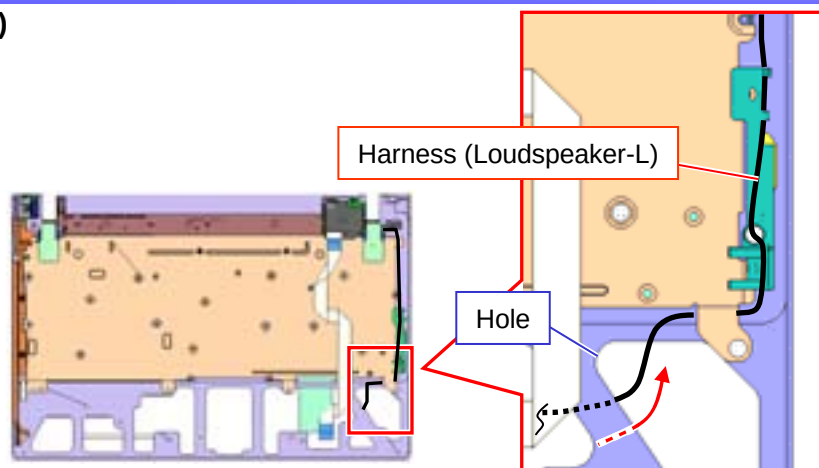


Peel off the FFC.

*It is secured with a piece of adhesive tape.

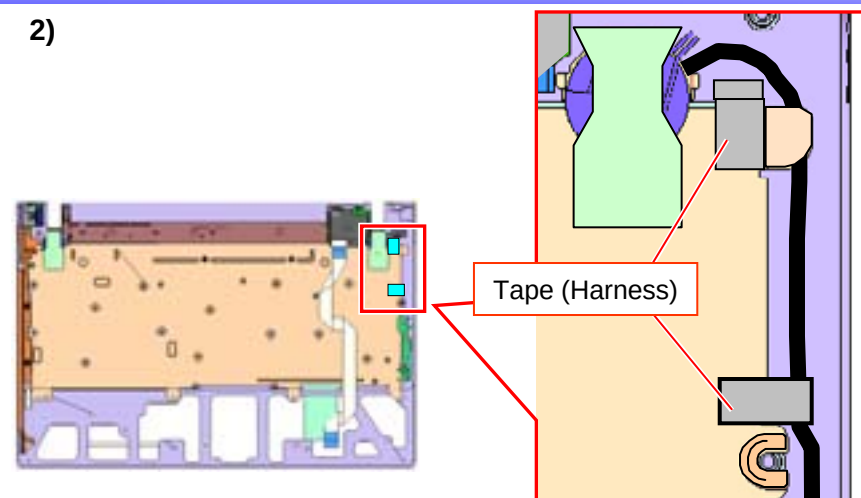
Loudspeaker (1.6CM-L) -1

1)



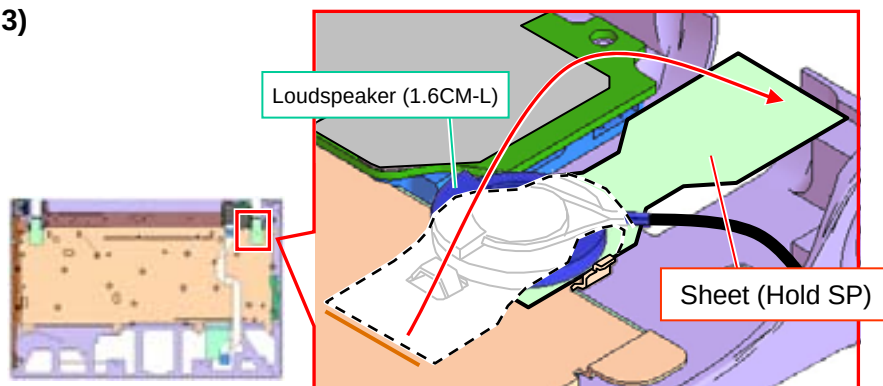
Pass the Harness through the hole and release the Harness.

2)



Peel off the Tapes (two places).

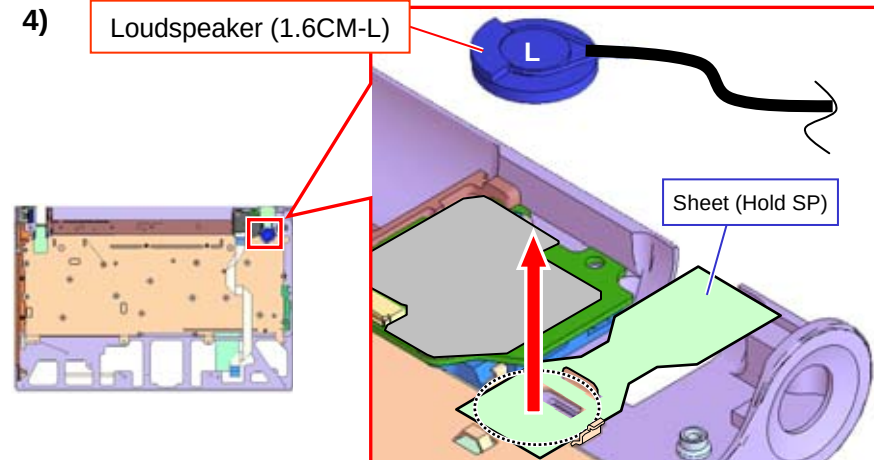
3)



Peel off the Sheet (one place) in the direction of the arrow.

* It secures the Loudspeaker.

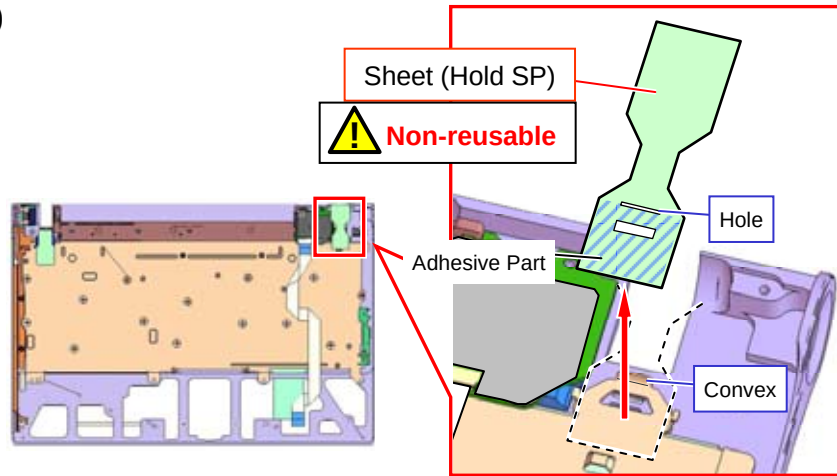
4)



Remove the Loudspeaker.

Loudspeaker (1.6CM-L) -2

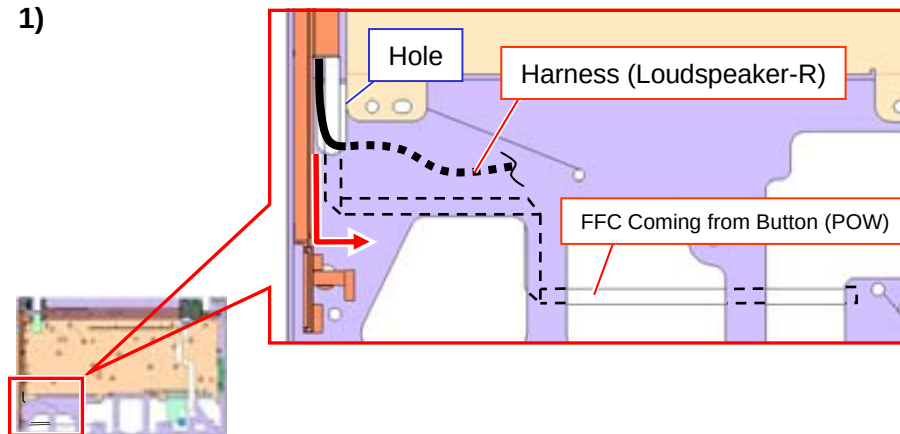
5)



While releasing the hole part of the Sheet from the convex part, peel off the Sheet (one place).

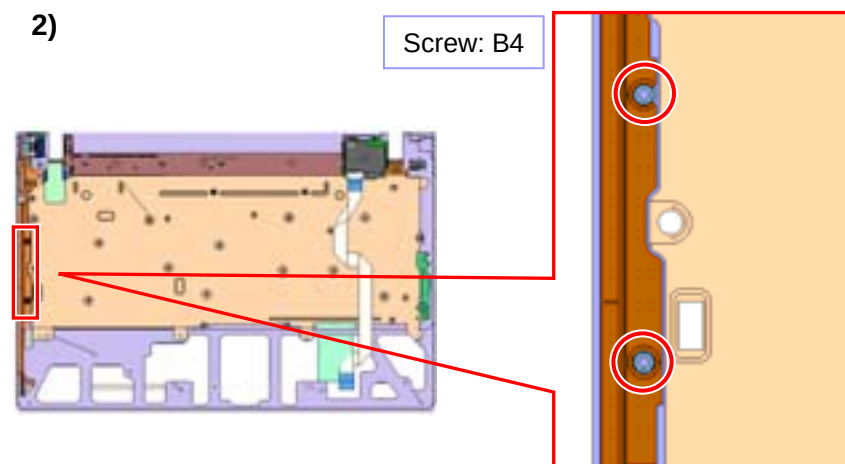
Loudspeaker (1.6CM-R) -1

1)



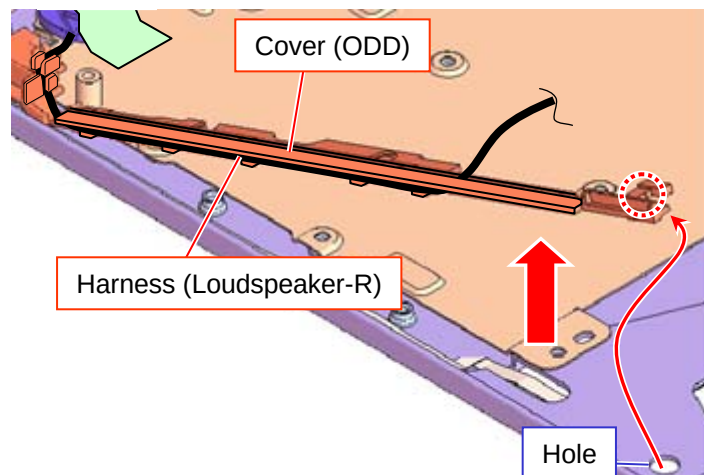
Pass the FFC (one place) and the Harness (one place) through the hole (one place).

2)



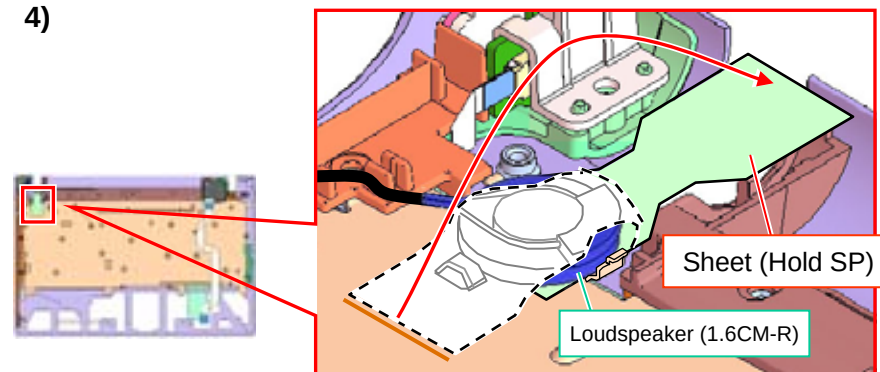
Remove the two screws.

3)



1. Release the detent (one place) from the hole.
2. Lift the Cover, and release the Harness (one place).

4)

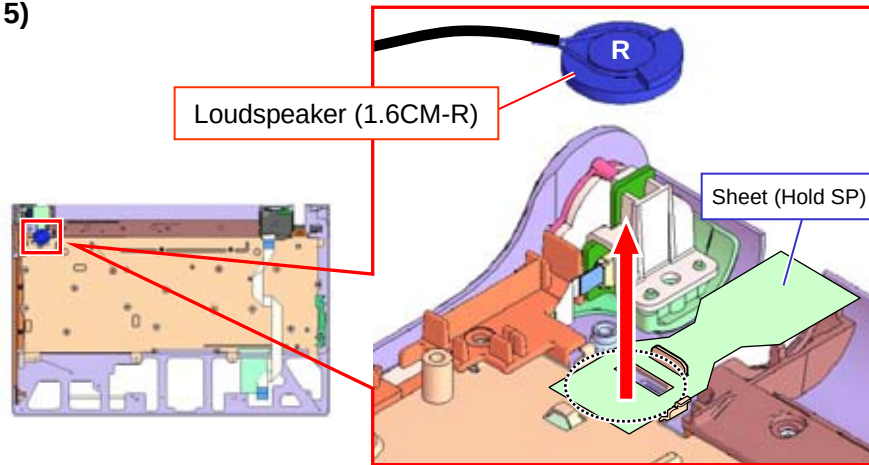


Peel off the Sheet (one place) in the direction of the arrow.

* It secures the Loudspeaker.

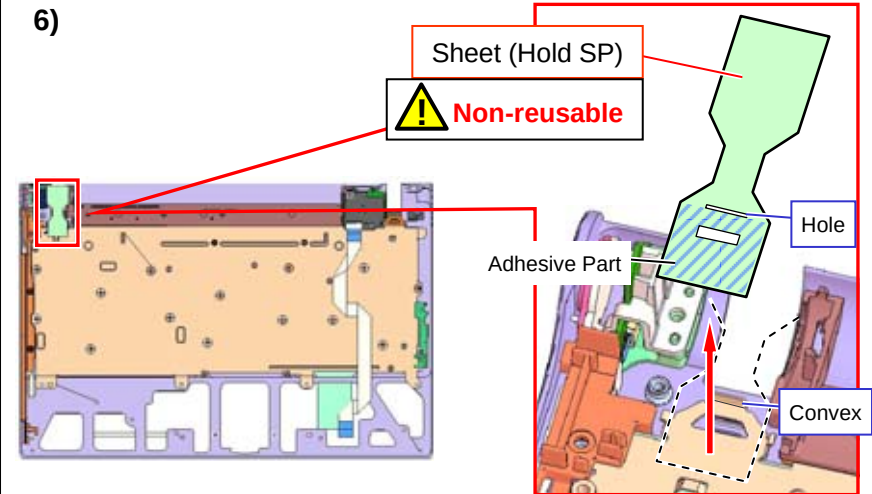
Loudspeaker (1.6CM-R) -2

5)



Remove the Loudspeaker.

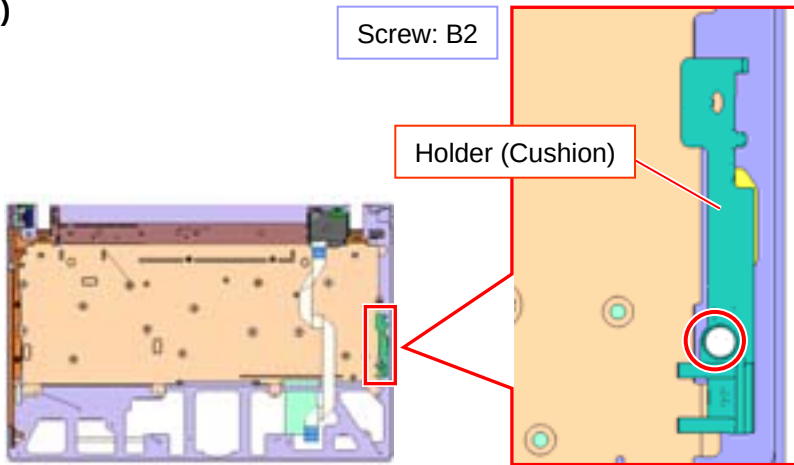
6)



While releasing the hole part of the Sheet from the convex part, peel off the Sheet (one place).

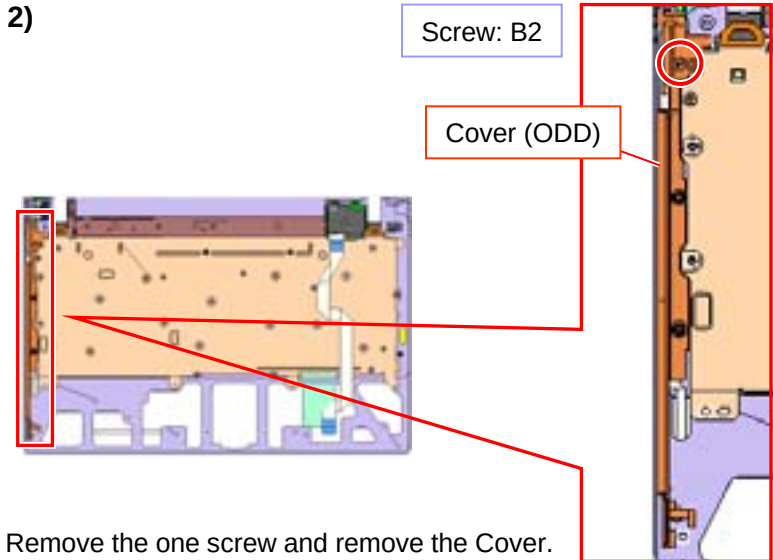
Holder (Cushion), Cover (ODD)

1)



Remove the one screw and remove the Holder.

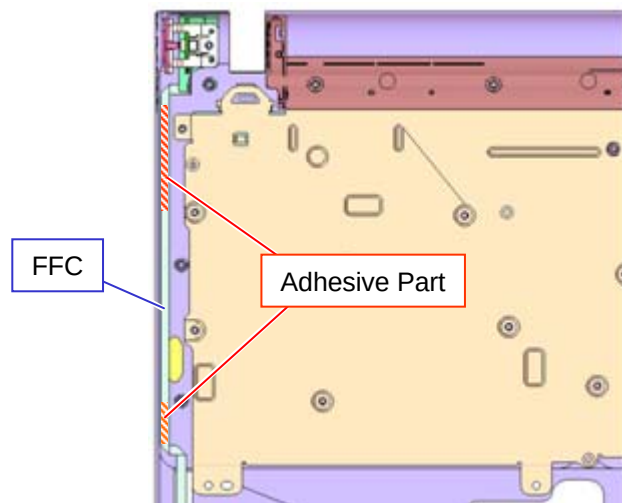
2)



Remove the one screw and remove the Cover.

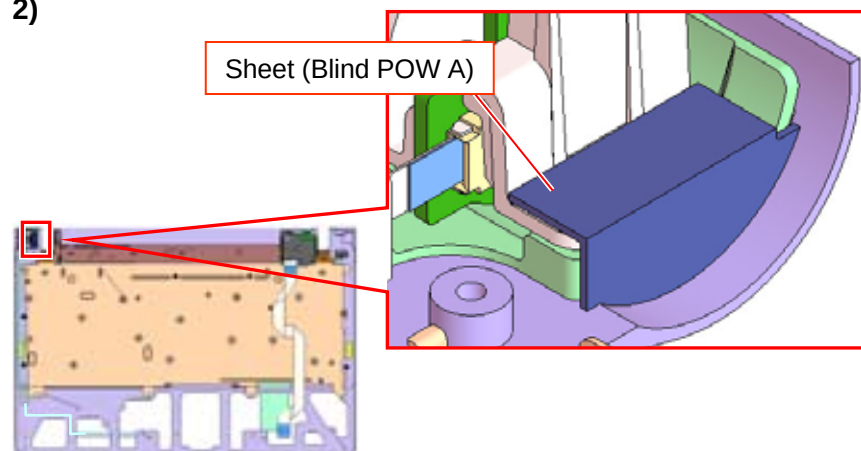
Button (POW) -1

1)



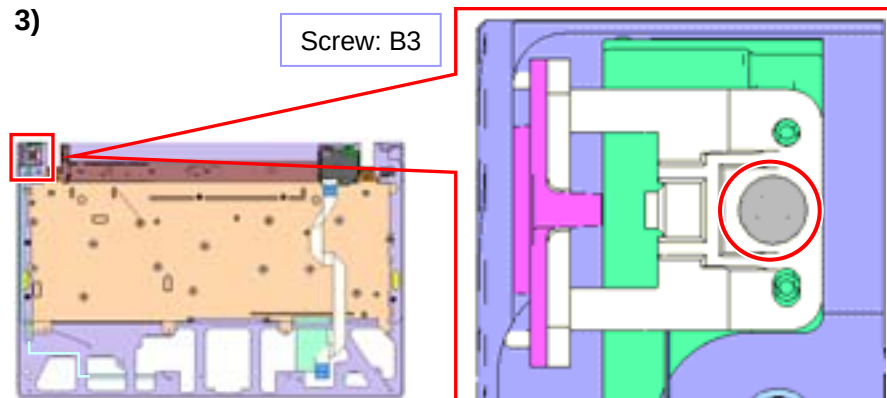
Peel off the adhesive parts (two places).

2)



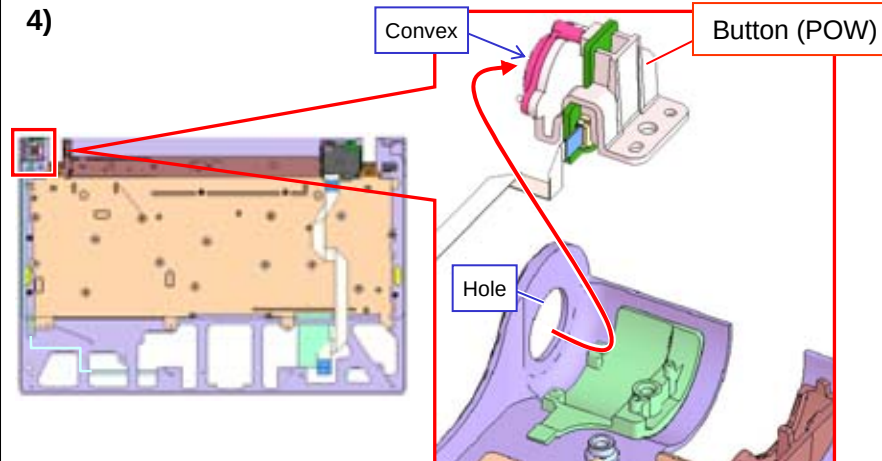
Peel off the Sheet (one place).

3)



Remove the screw.

4)



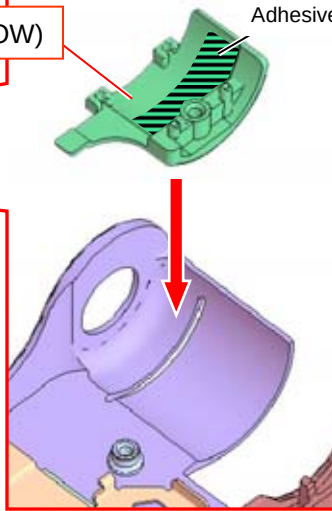
While releasing the convex part from the hole, remove the Button.

Button (POW) -2

5)

Lens (POW)

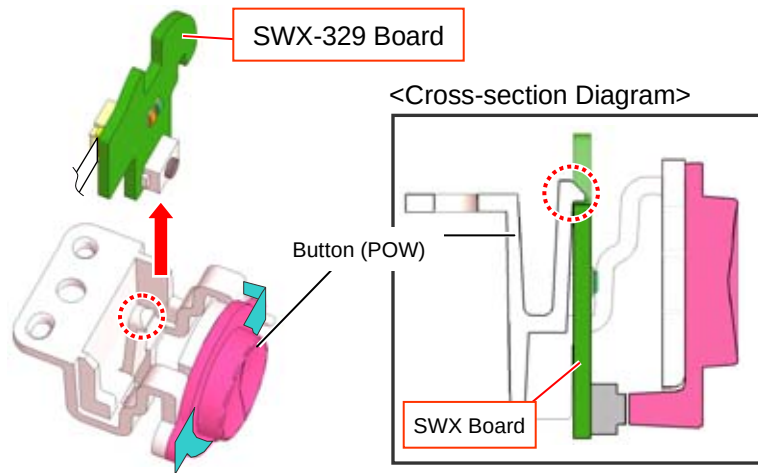
Adhesive Part



Remove the Lens.

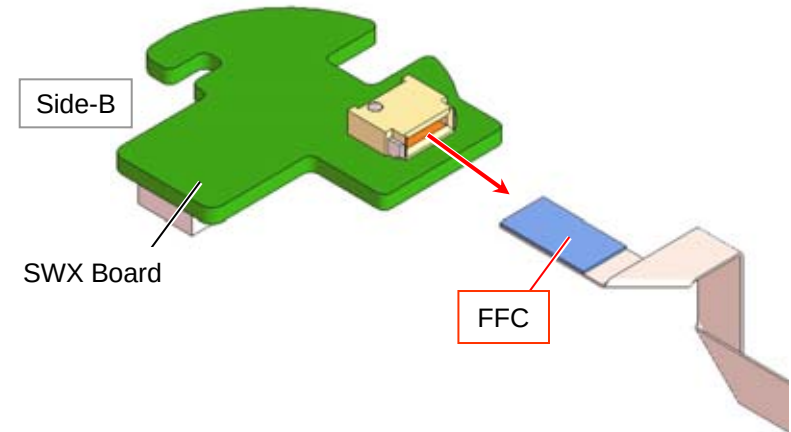
Parts of the Button (POW)

1)



Disengage the detent (one place) and remove the SWX Board.

2)

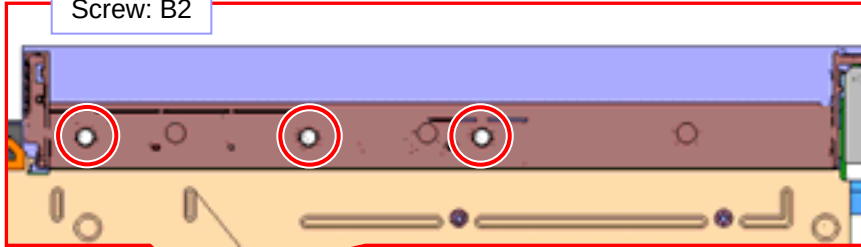


Disconnect the FFC (one place).

Holder (BATT)

1)

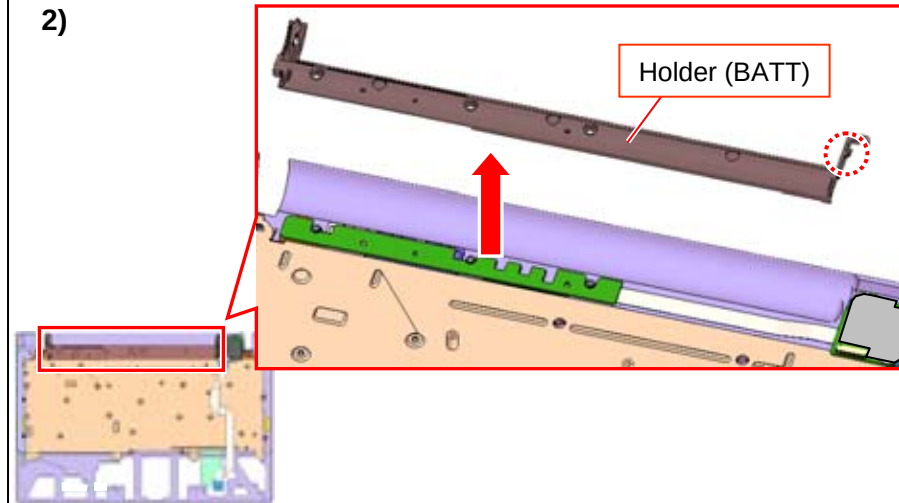
Screw: B2



Remove the three screws.

2)

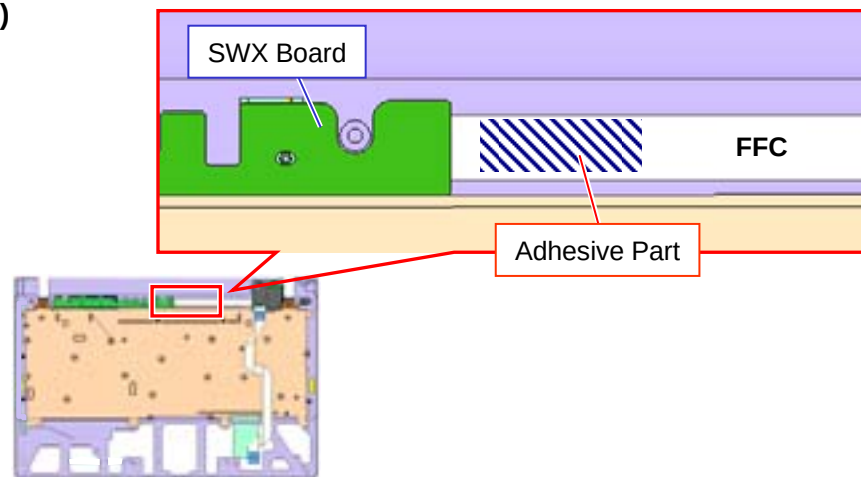
Holder (BATT)



Disengage the detent (one place) and remove the Holder.

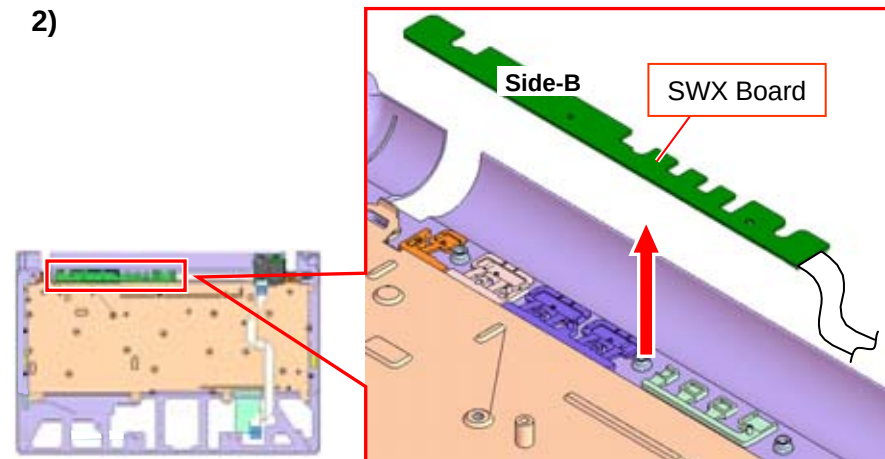
SWX-331 Board -1

1)



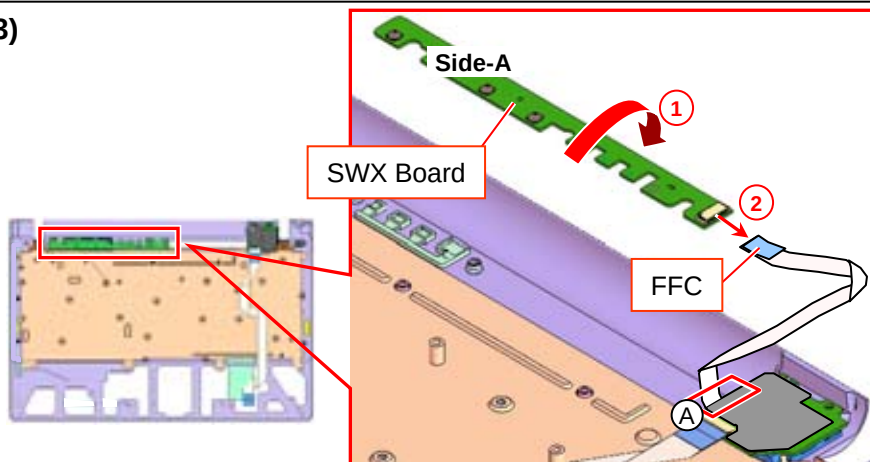
Peel off the adhesive part.

2)



Lift the SWX Board.

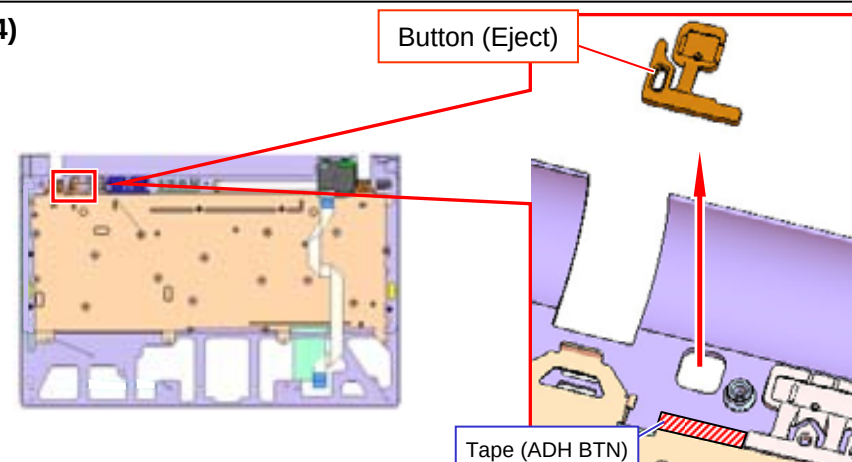
3)



Turn over the SWX Board, and disconnect the FFC (one place).

* When disconnecting it, do not put stress on the A part.

4)

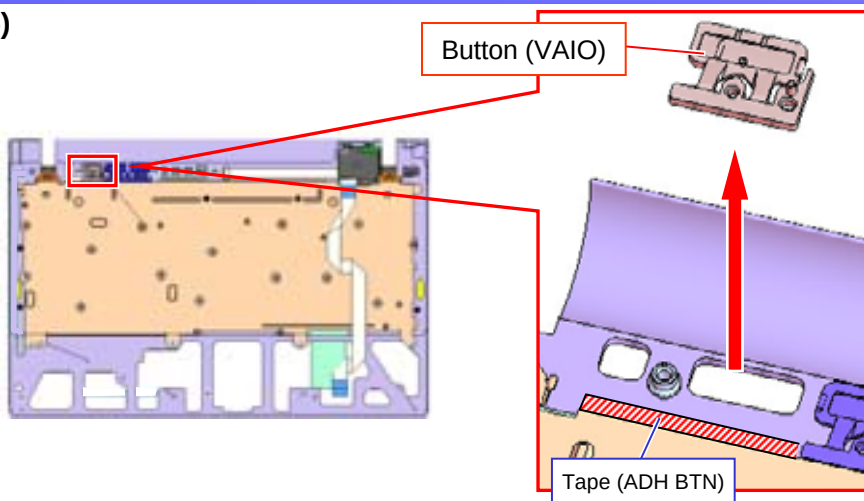


Remove the Button.

* It is secured with the Tape (one place).

SWX-331 Board -2

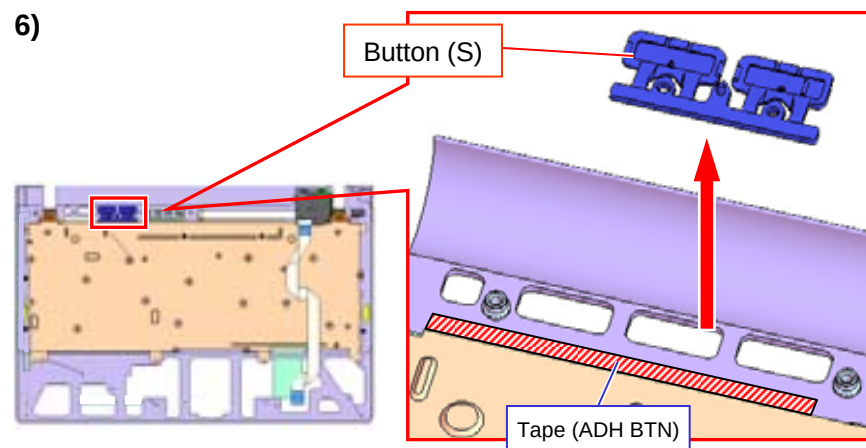
5)



Remove the Button.

* It is secured with the Tape (one place).

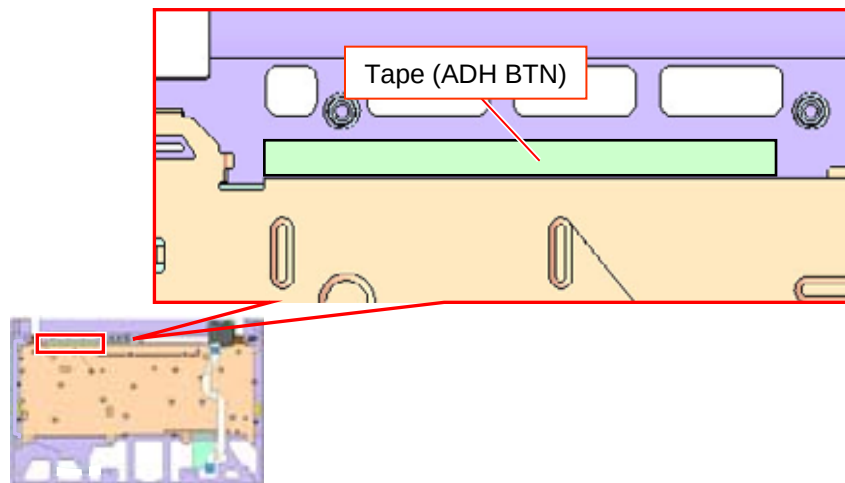
6)



Remove the Button.

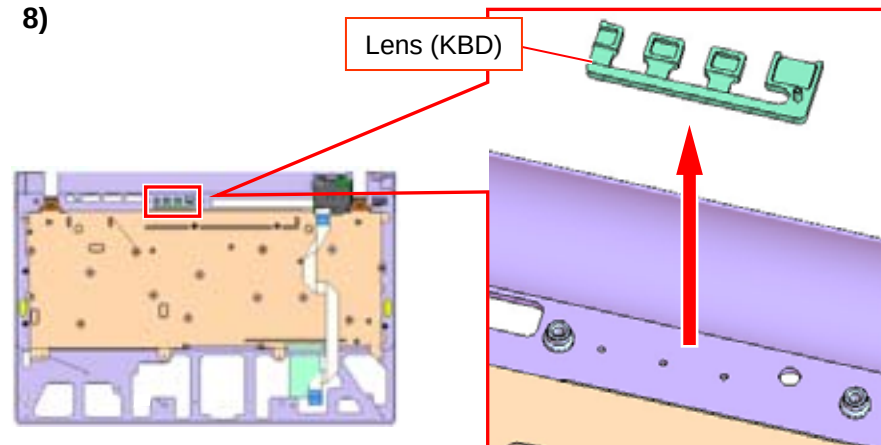
* It is secured with the Tape (one place).

7)



Peel off the Tape (one place).

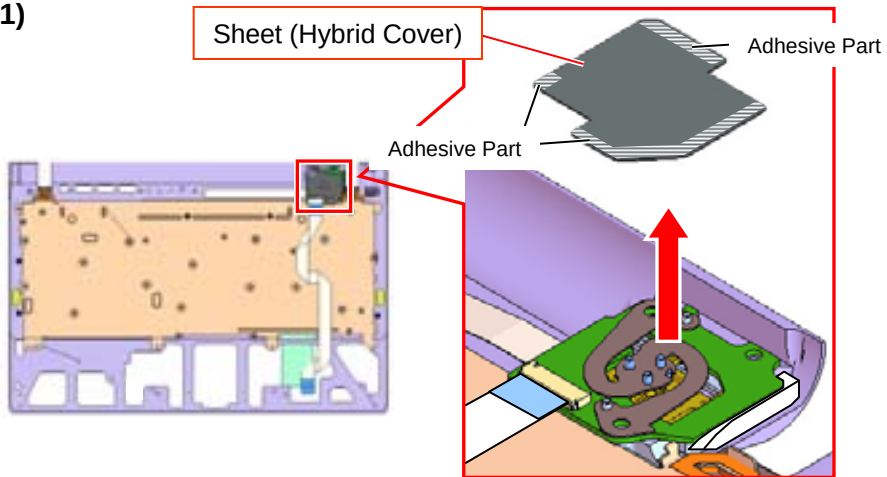
8)



Remove the Lens.

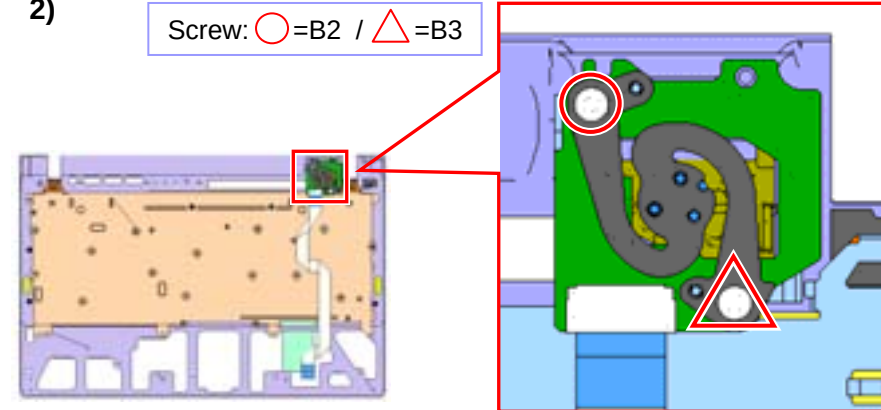
SWX-330 Board -1

1)



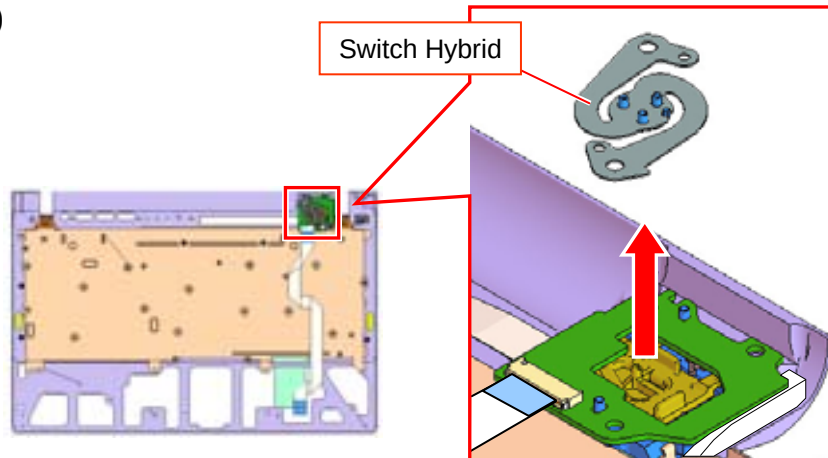
Peel off the Sheet (one place).

2)



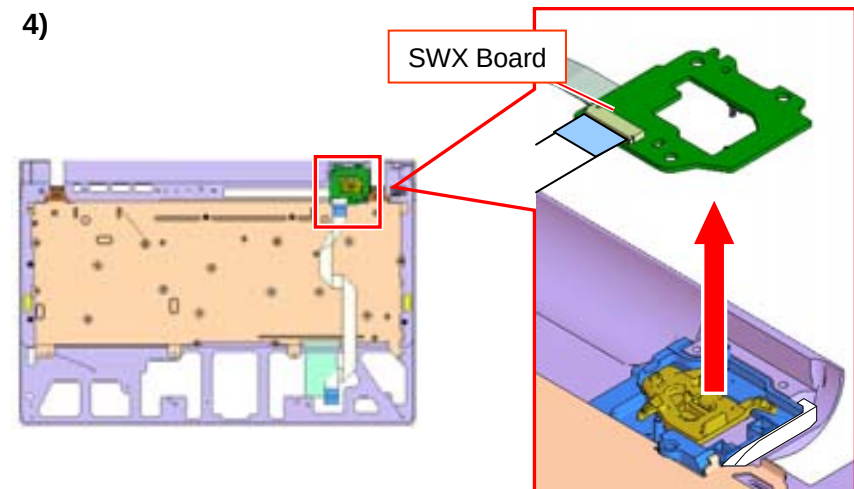
Remove the two screws.

3)



Remove the Switch Hybrid.

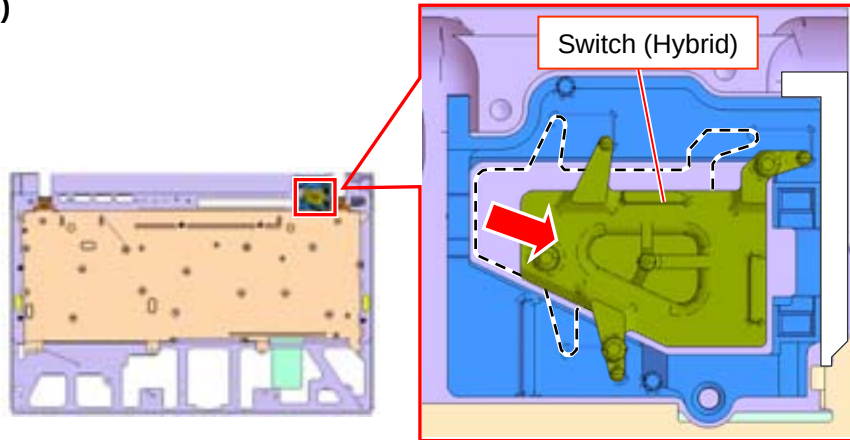
4)



Remove the SWX Board.

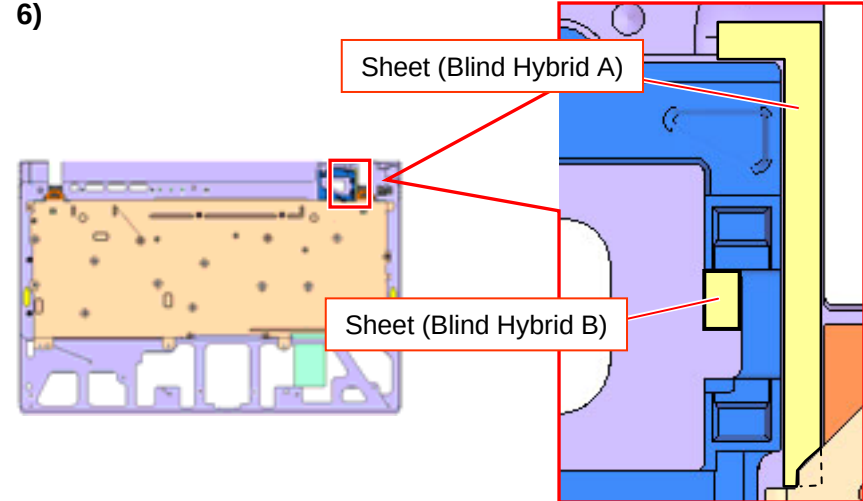
SWX-330 Board -2

5)



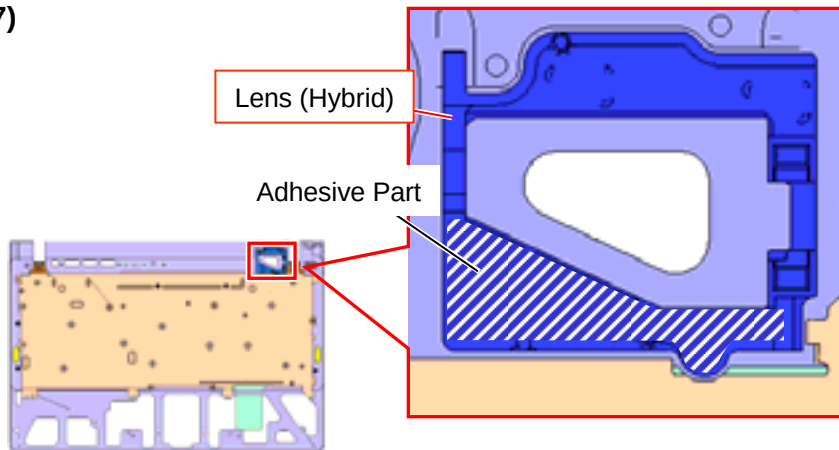
Slide the Switch in the direction of the arrow and remove it.

6)



Peel off the Sheets (two places).

7)

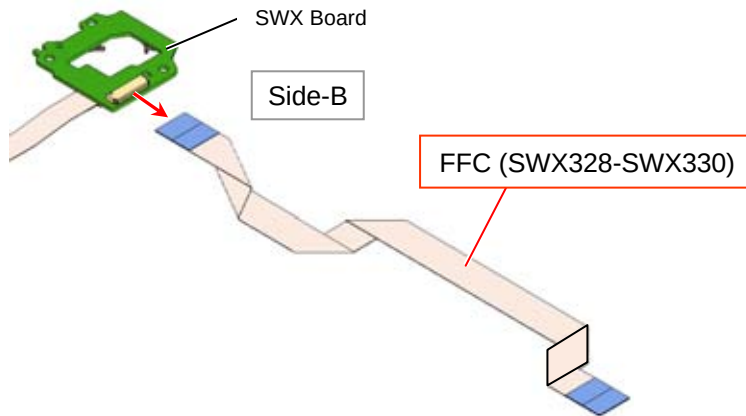


Remove the Lens.

* It is secured with a piece of adhesive tape.

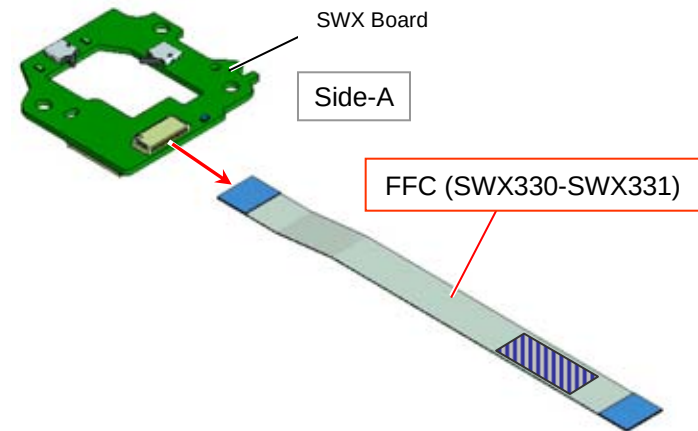
Parts of the SWX-330 Board

1)



Disconnect the FFC (one place).

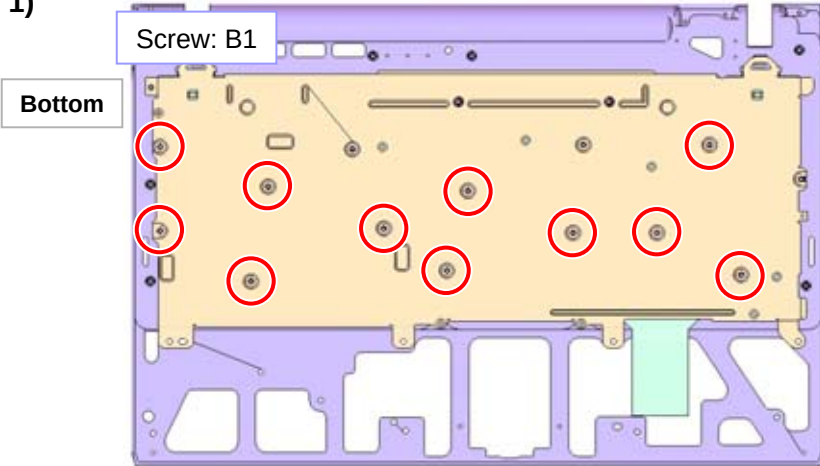
2)



Disconnect the FFC (one place).

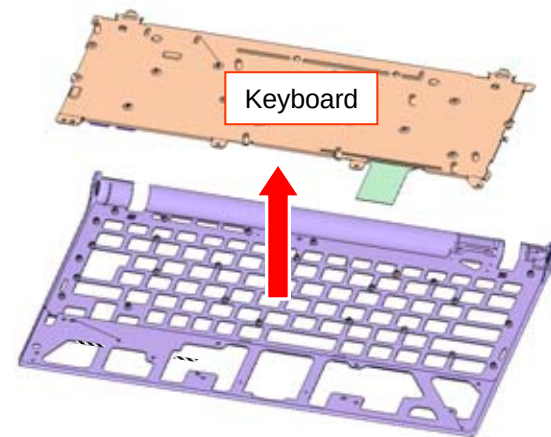
Keyboard

1)



Remove the 11 screws.

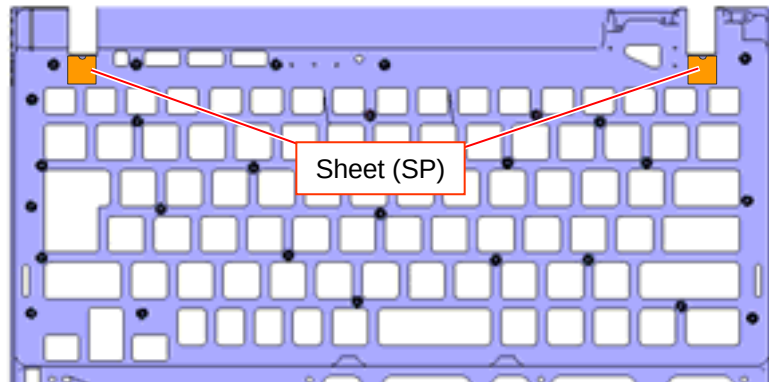
2)



Remove the Keyboard.

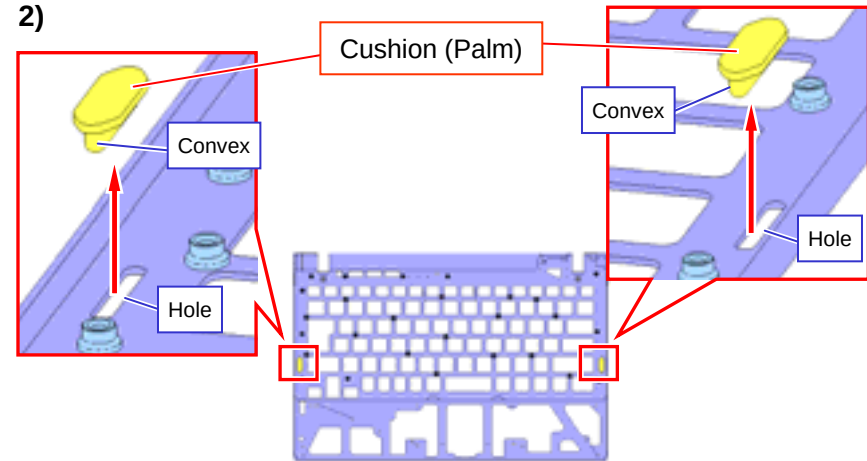
Parts of the Palmrest

1)



Peel off the Sheets (two places).

2)



Release the convex parts (two places) from the holes (two places), and remove the Cushions (two places).

Update History

[ADD]---Addition [DEL]---Deletion [CHG]---Change [COR]---Correction [MA]---Model Addition

Date		Contents	Version No.
-	-	-	-

Chapter 1. Disassembly & Assembly Guide

1-3. Disassembly & Assembly

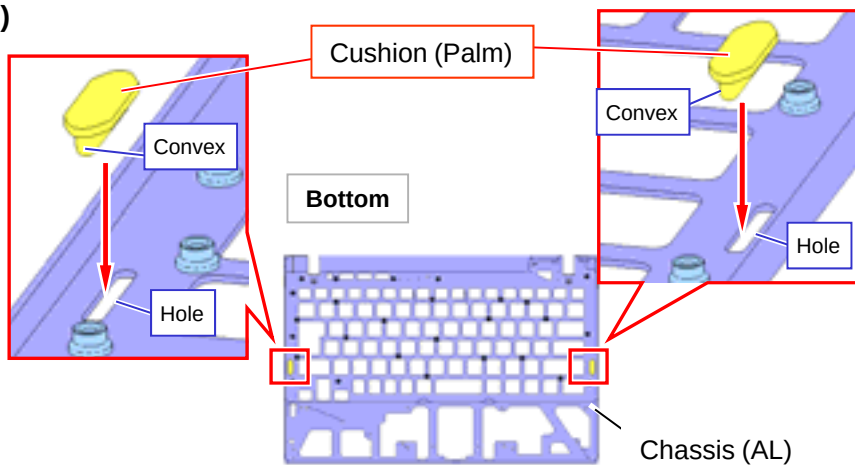
- Palmrest Block -

P-1 Palmrest Block Assembly

Note: For the attached articles, check the position attached to the parts before replacing, and attach them to the same position.

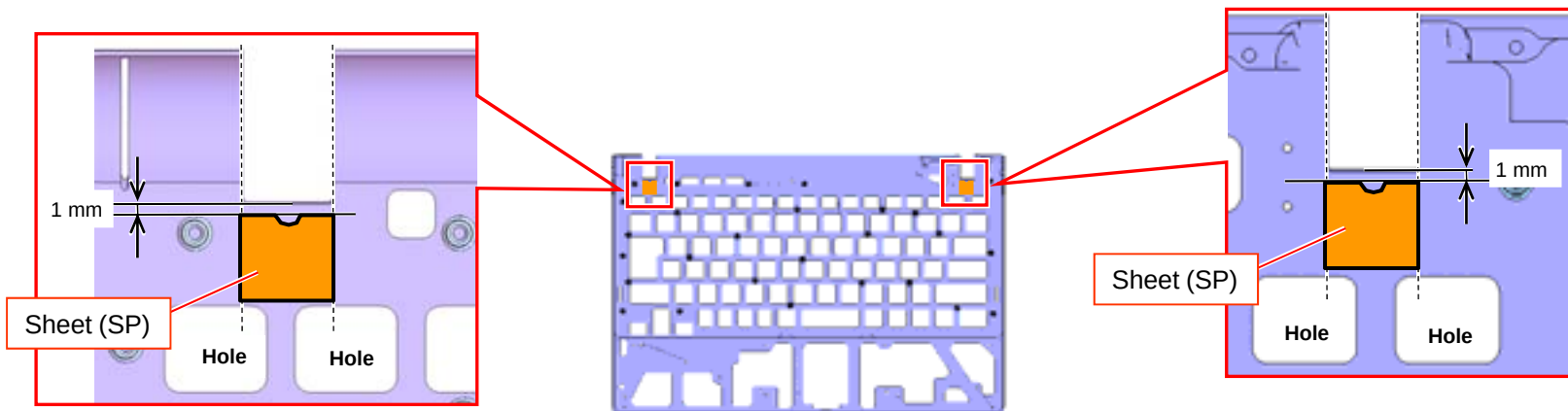
Parts of the Palmrest

1)



Fit the convex parts (two places) into the holes (two places) and install the Cushions (two places).

2)

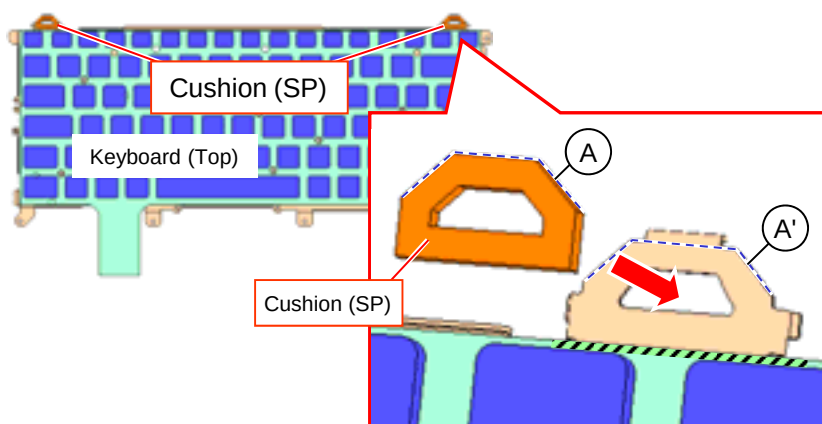


While paying attention to the direction, attach the Sheets (two places).

* Be careful not to cover the holes (four places) with the Sheets.

Keyboard

1)

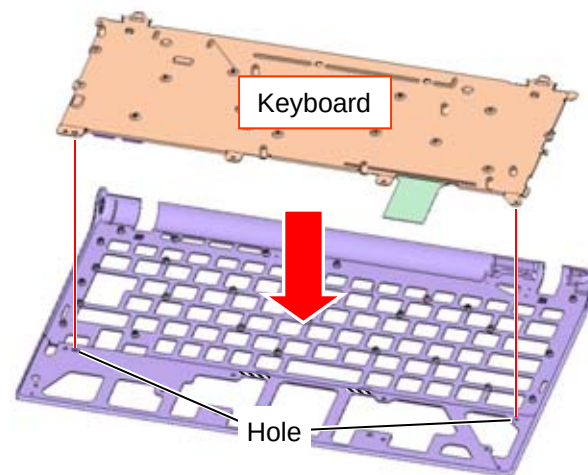


Align the shape of the A par with the shape of the A' part and attach the Cushions (two places).

* Be careful not to place the Cushion on the shaded area.

2)

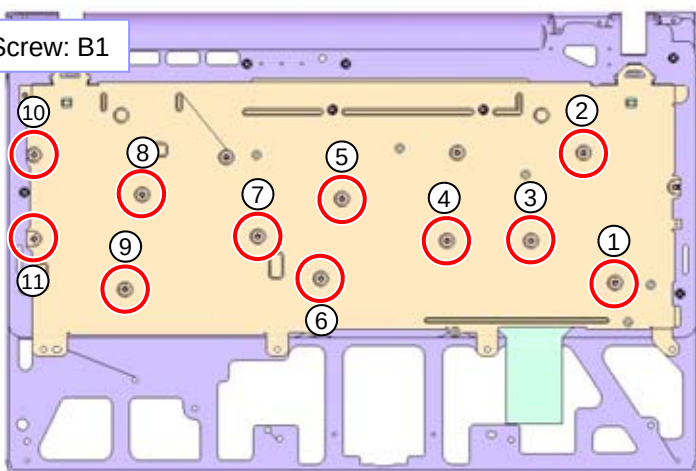
Bottom



Install the Keyboard while aligning it with the holes (two places).

3)

Screw: B1

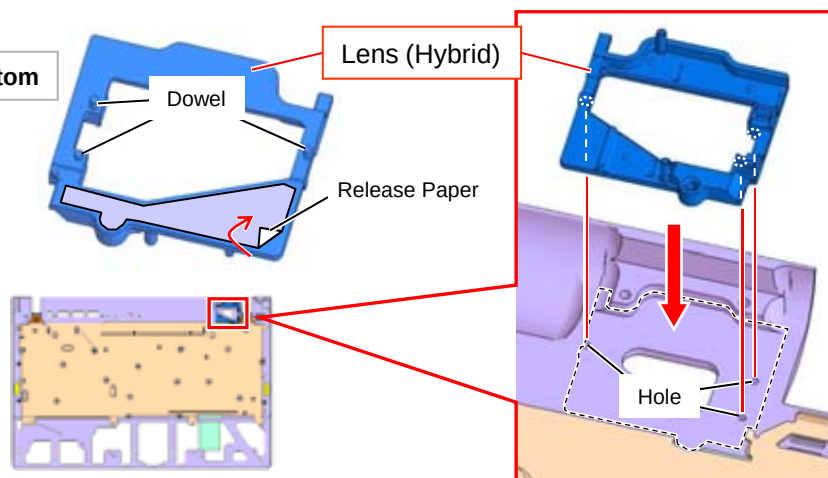


Tighten the 11 screws in order.

Lens (Hybrid)

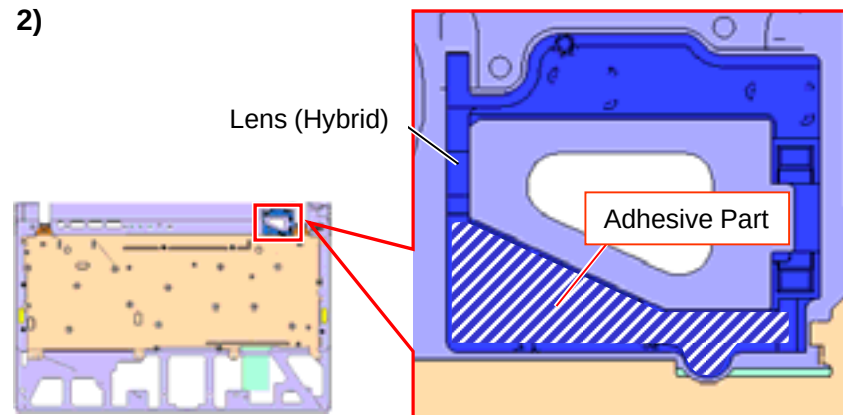
1)

Bottom



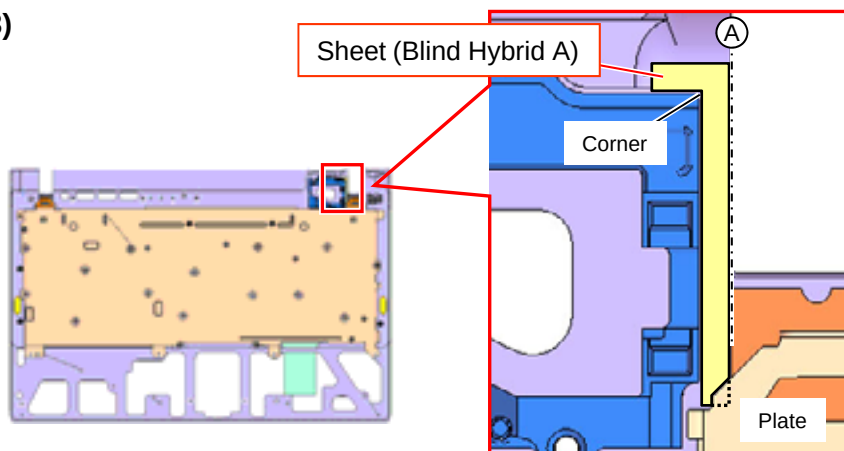
1. Peel off a piece of release paper.
2. Fit the dowels (three places) into the holes (three places) and install the Lens.

2)



Press the adhesive part to attach the Lens firmly.

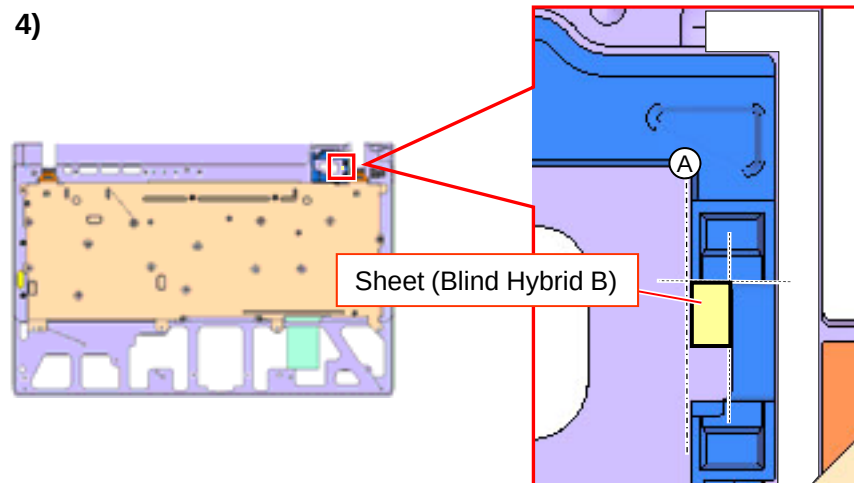
3)



Install the Sheet (one place) while aligning it with the corner.

- * Put the excessive part of it under the Plate.
- * Be careful not to protrude from the A line.

4)

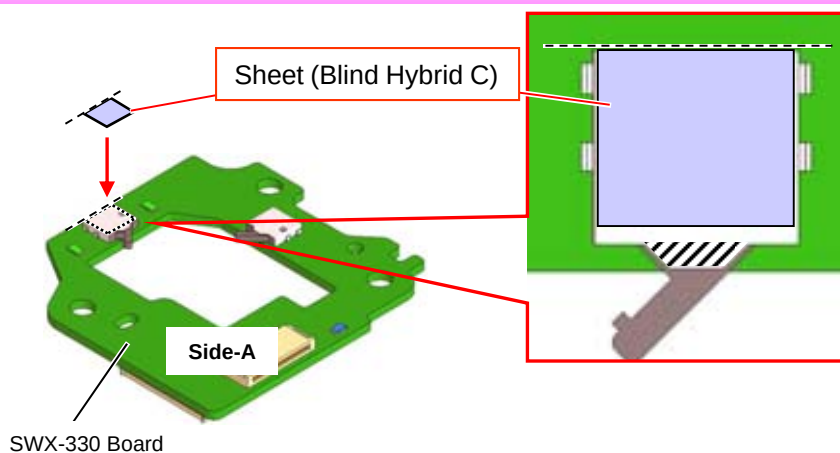


Attach the Sheet (one place).

- * Be careful not to protrude from the A line at the left side of the Sheet.

SWX-330 Board -1

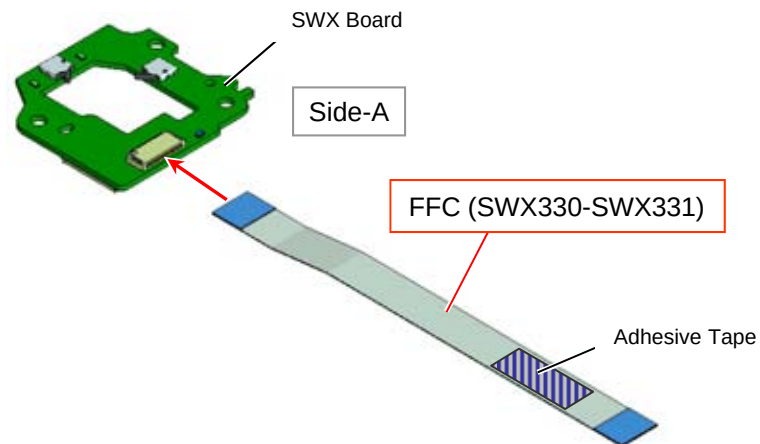
1)



Attach the Sheet (one place).

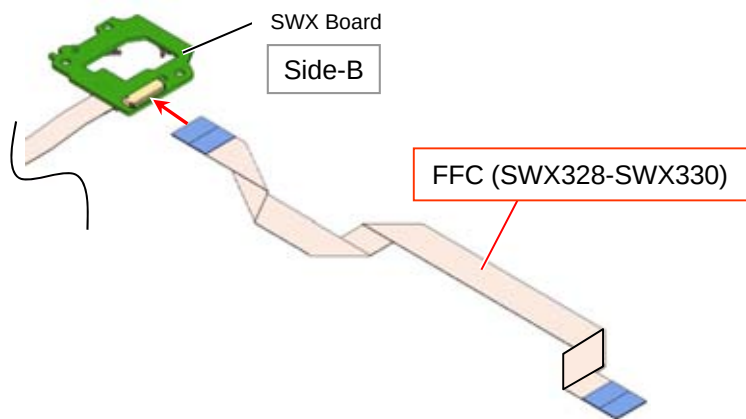
* Be careful not to cover the shaded area.

2)



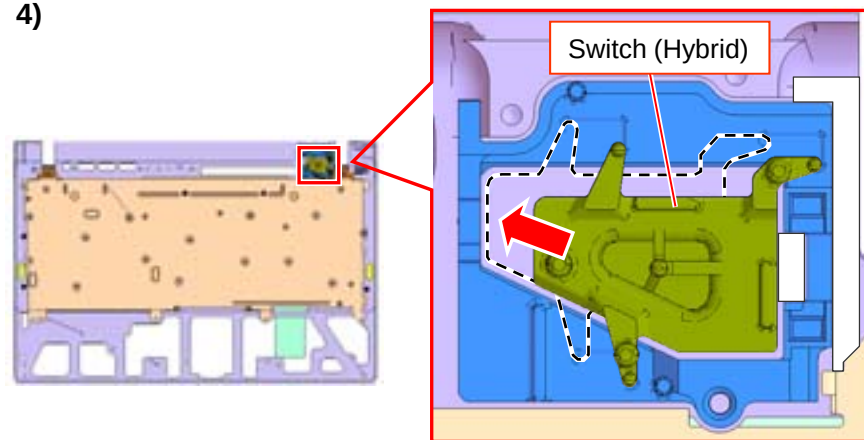
Pay attention to the direction, and connect the FFC (one place).

3)



Connect the FFC (one place).

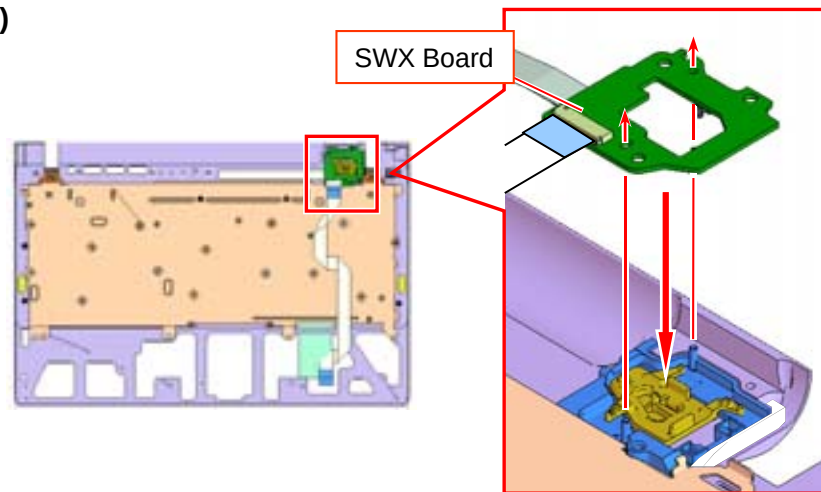
4)



Install the Switch by fitting it to the shape of the installation position, and slide it in the direction of the arrow.

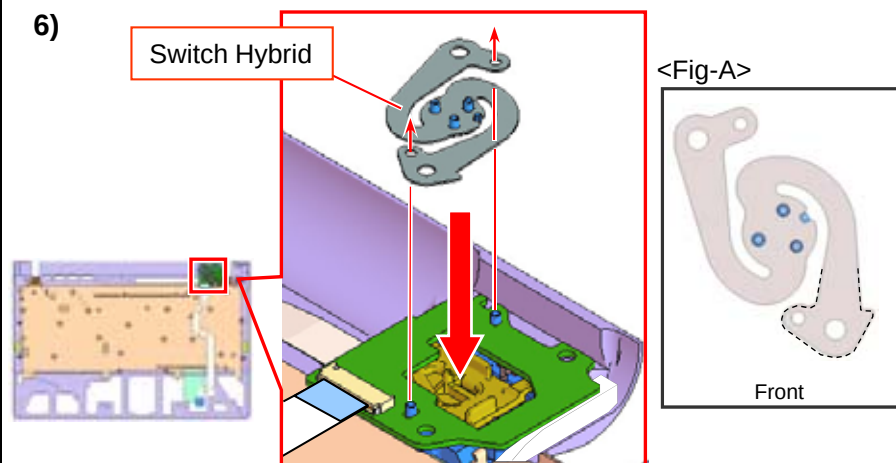
SWX-330 Board -2

5)



Install the SWX Board while aligning it with the dowels (two places).

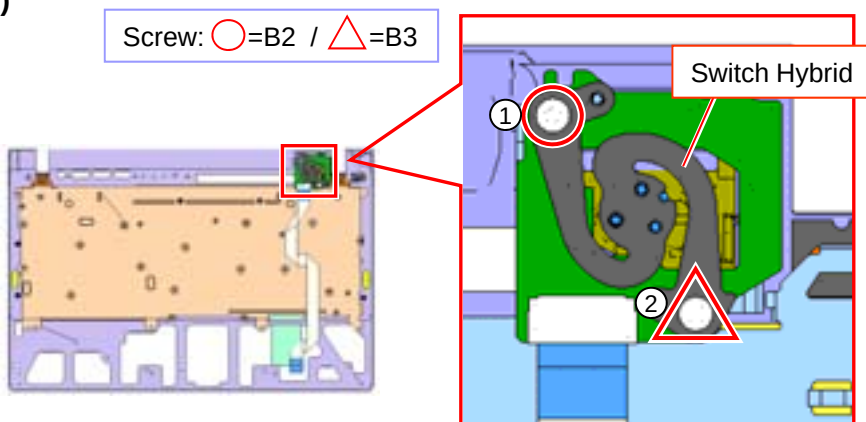
6)



Install the Switch Hybrid while aligning it with the dowels (two places).

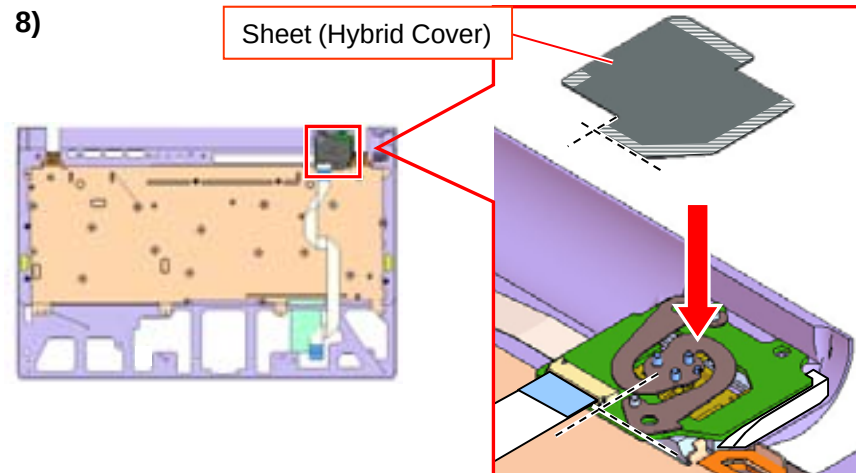
***Pay attention to the direction. (Refer to the Fig-A.)**

7)



While holding the Switch, tighten the two screws in order.

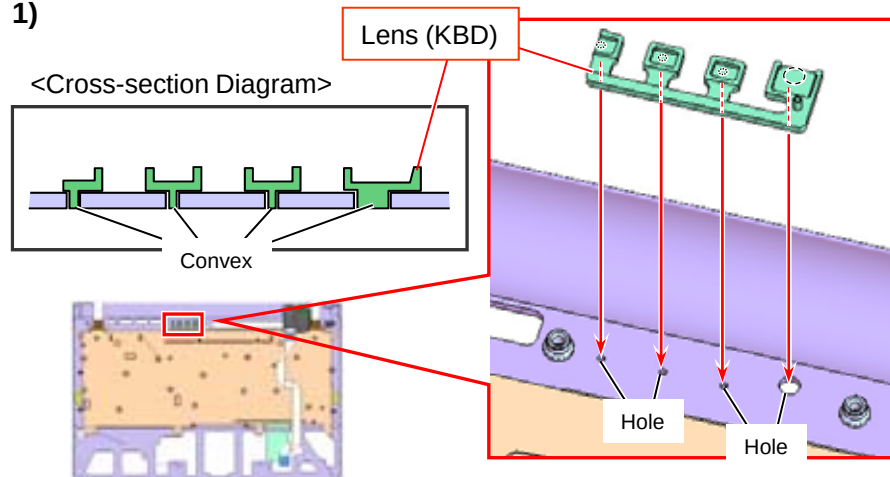
8)



Attach the Sheet (one place), and hold the shaded areas (three places) to attach the Sheet firmly.

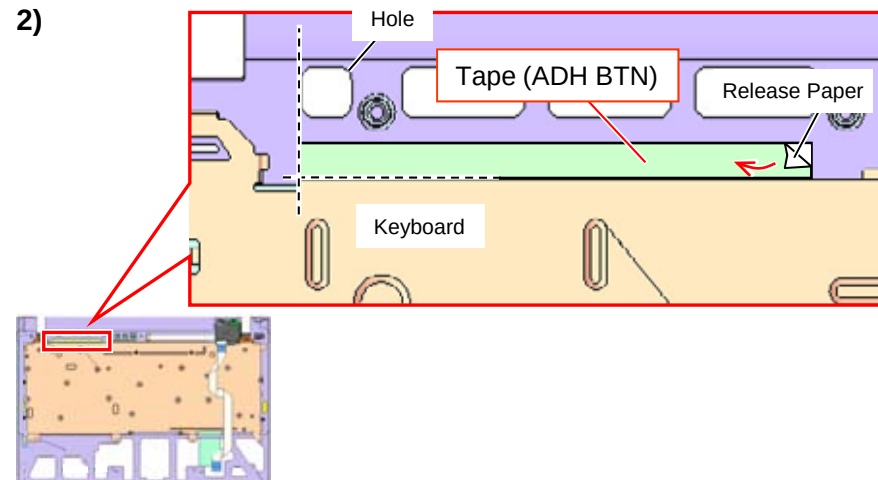
SWX-331 Board -1

1)



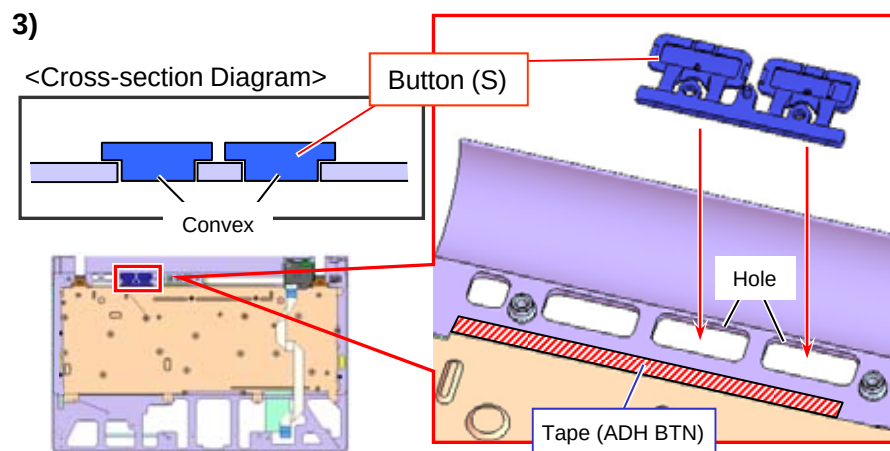
Fit the convex parts (four places) into the holes (four places) and install the Lens.

2)



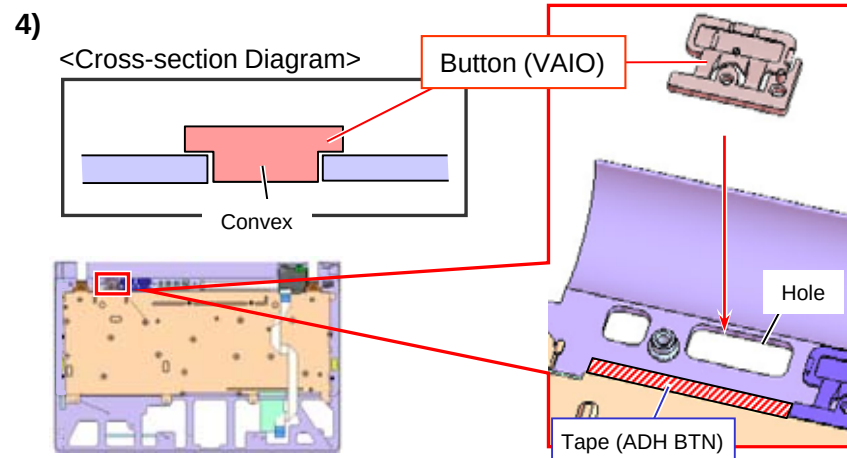
Attach the Tape (one place), and peel off a piece of release paper.

3)



Install the Button by fitting it to the holes (two places), and attach the Button to the Tape (one place).

4)

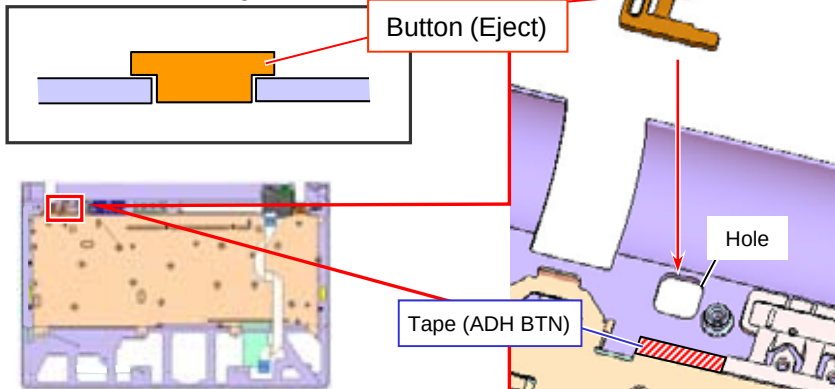


Install the Button by fitting it to the hole (one place), and attach the Button to the Tape (one place).

SWX-331 Board -2

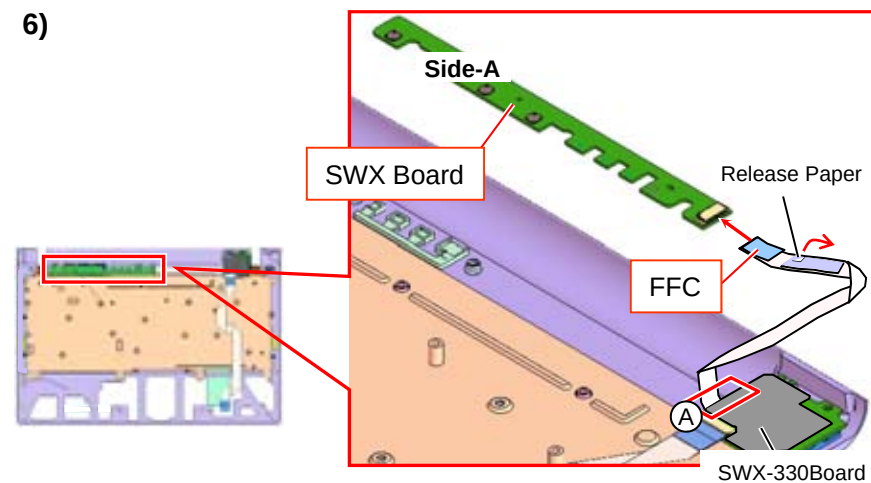
5)

<Cross-section Diagram>



Install the Button by fitting it to the hole (one place), and attach the Button to the Tape (one place).

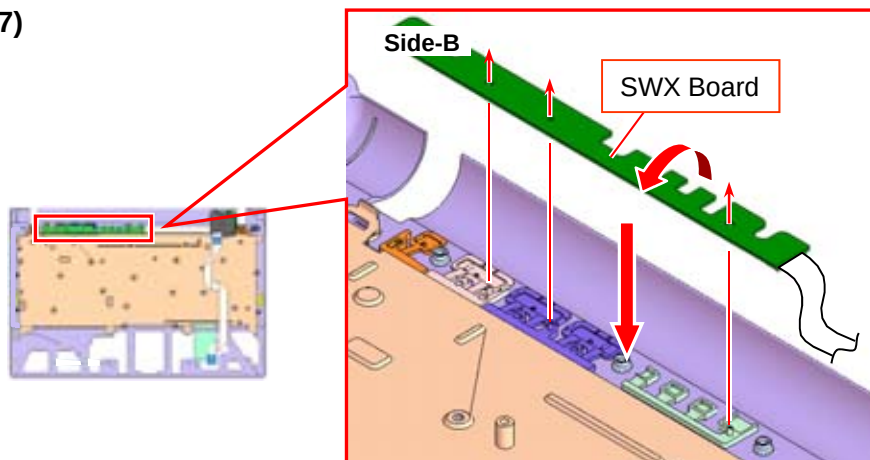
6)



Peel off a piece of release paper and connect the FFC (one place).

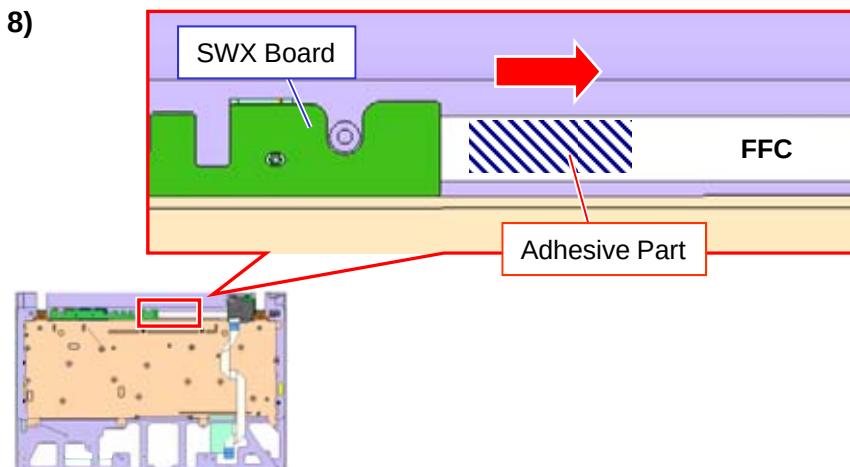
* When connecting the FFC, be careful not to put stress on the A part (one place).

7)



Turn over the SWX Board, and install it while aligning it with the three dowels.

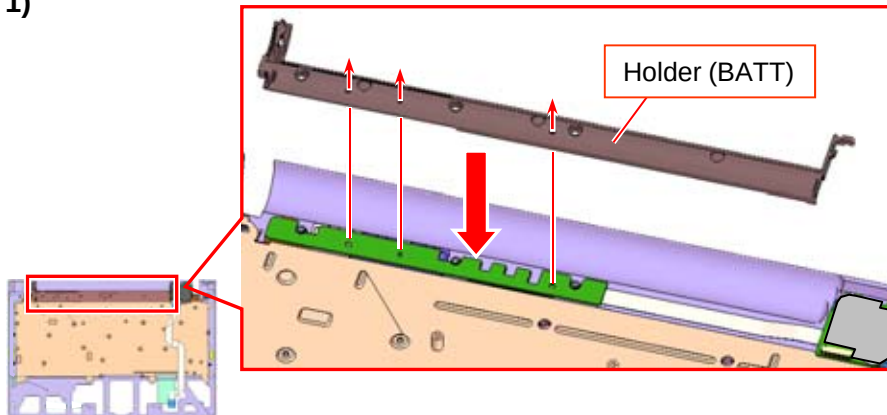
8)



While holding the SWX Board, attach the adhesive part in the direction of the arrow.

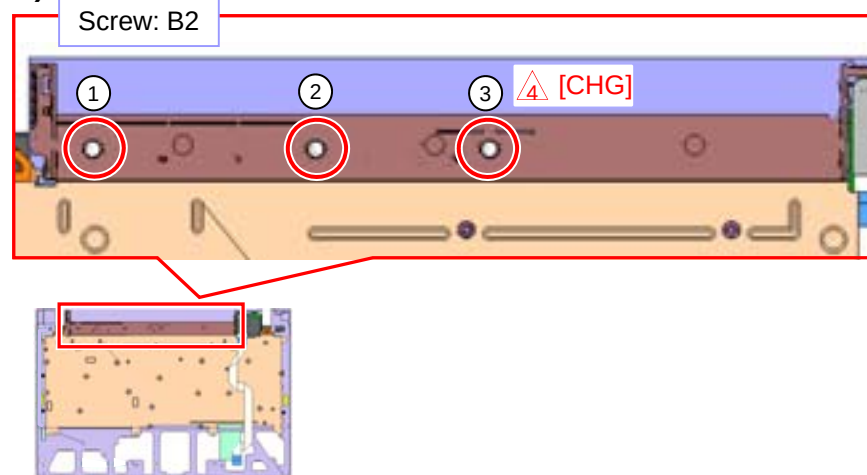
Holder (BATT)

1)



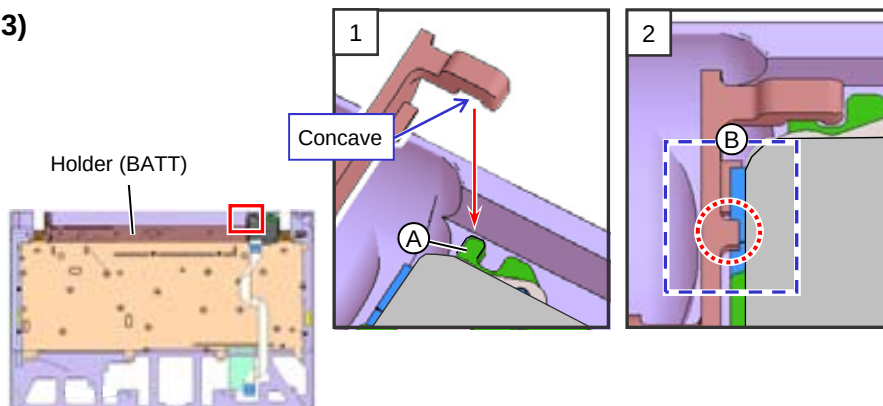
Install the Holder while aligning it with the dowels (three places).

2)



Tighten the three screws in order.

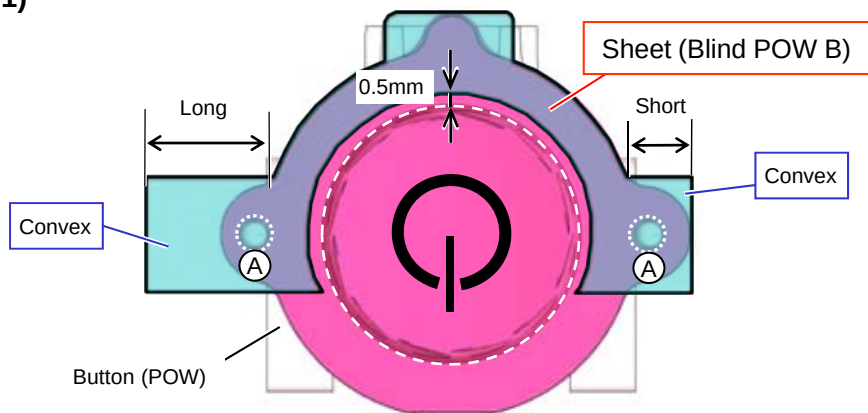
3)



Fit the concave part to the A part, and lock the detent (one place) by pushing down the B part.

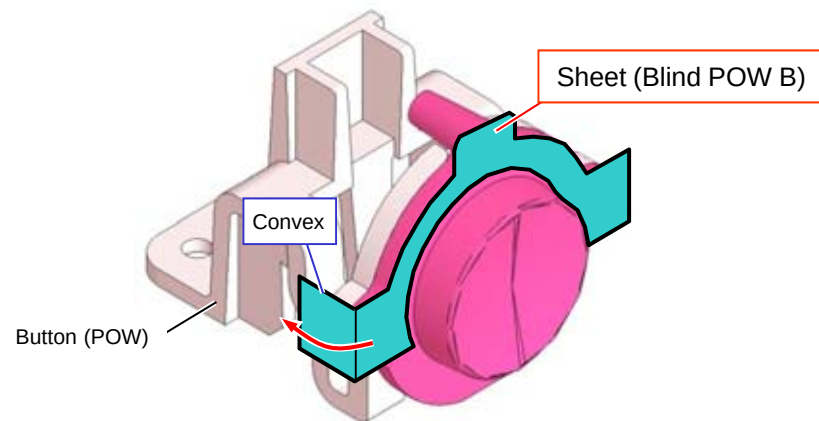
Button (POW), SWX-329Board, Lens (POW) -1

1)



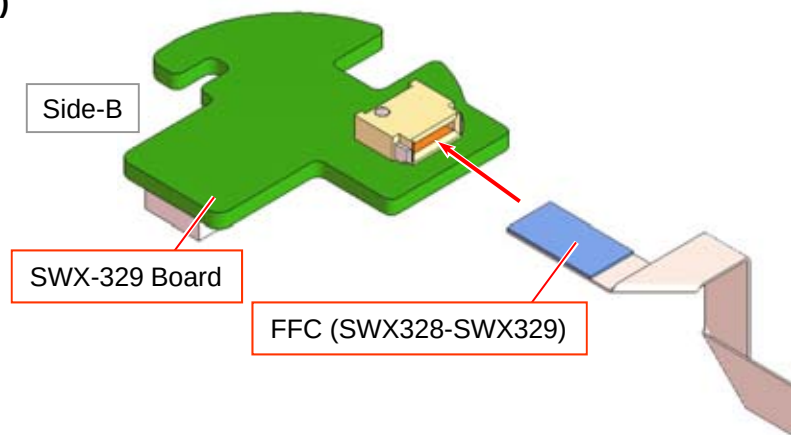
Attach the Sheet (one place) while fitting the convex parts (two places) to the A parts (two places).

2)



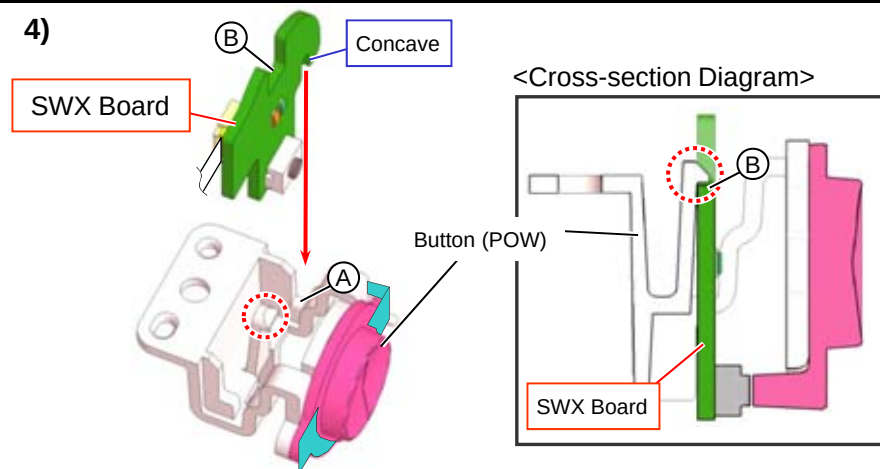
Fold the excess part of the left side of the Sheet and attach it to the side of the Button.

3)



Connect the FFC (one place).

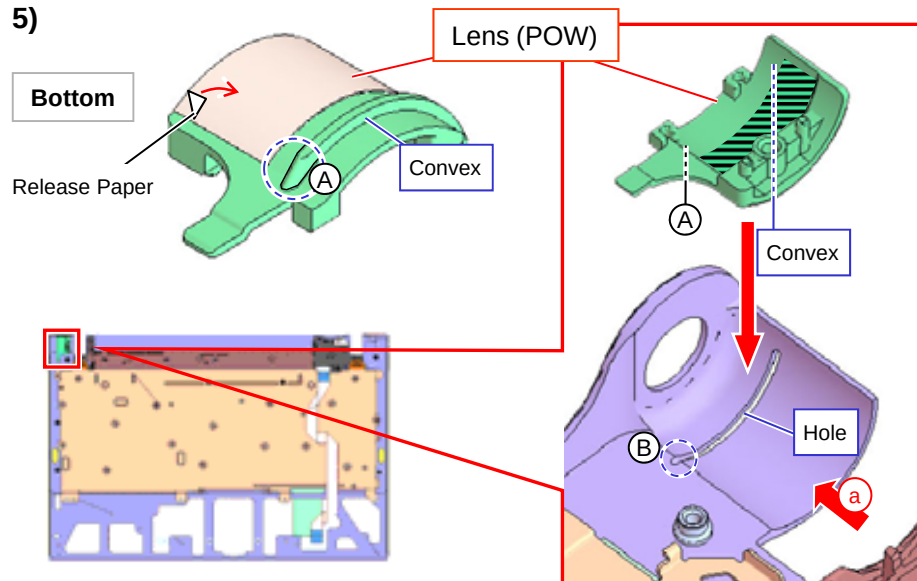
4)



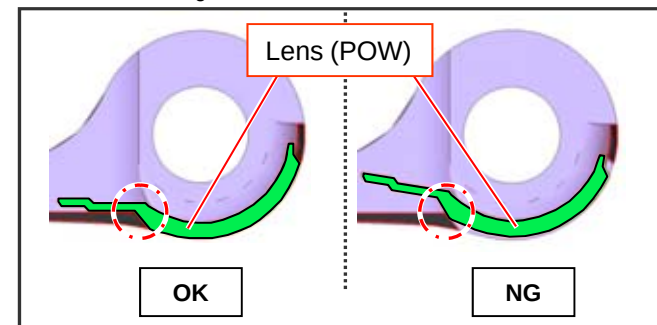
Fit the concave part to the A part, and insert the SWX Board into the Button until the B part is secured with the detent.

Button (POW), SWX-329 Board, Lens (POW) -2

5)



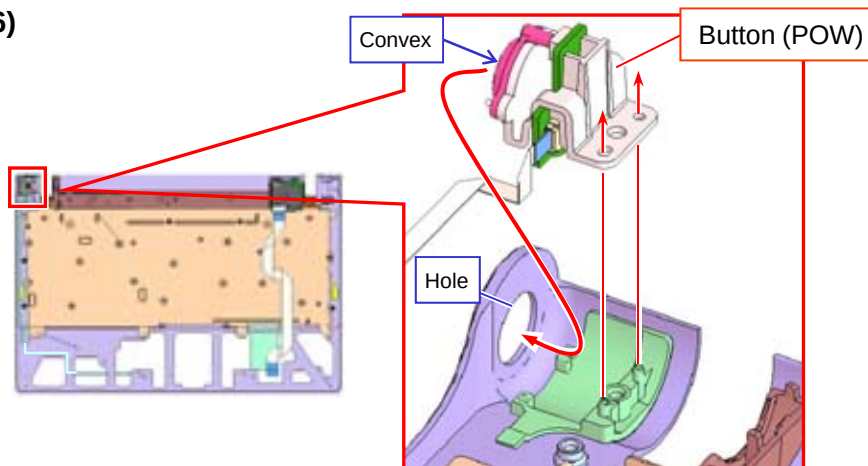
<Cross-section Diagram from the Direction of arrow a>



Install the Lens as follows.

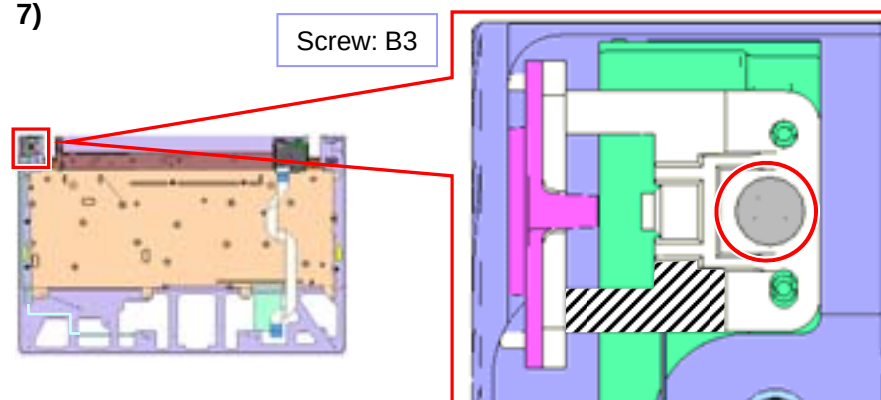
1. Peel off a piece of release paper.
2. Fit the shape of the A part to the B part, and fit the convex part into the hole.
3. Press the shaded area to secure the Lens firmly.

6)



Fit the convex part into the hole, and install the Button while aligning it with the two dowels.

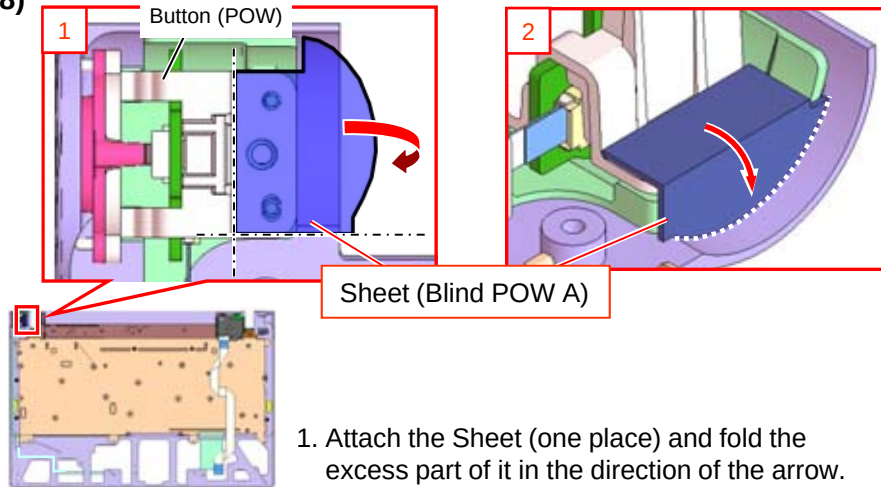
7)



While pressing the shaded area, tighten the one screw.

Button (POW), SWX-329 Board, Lens (POW) -3

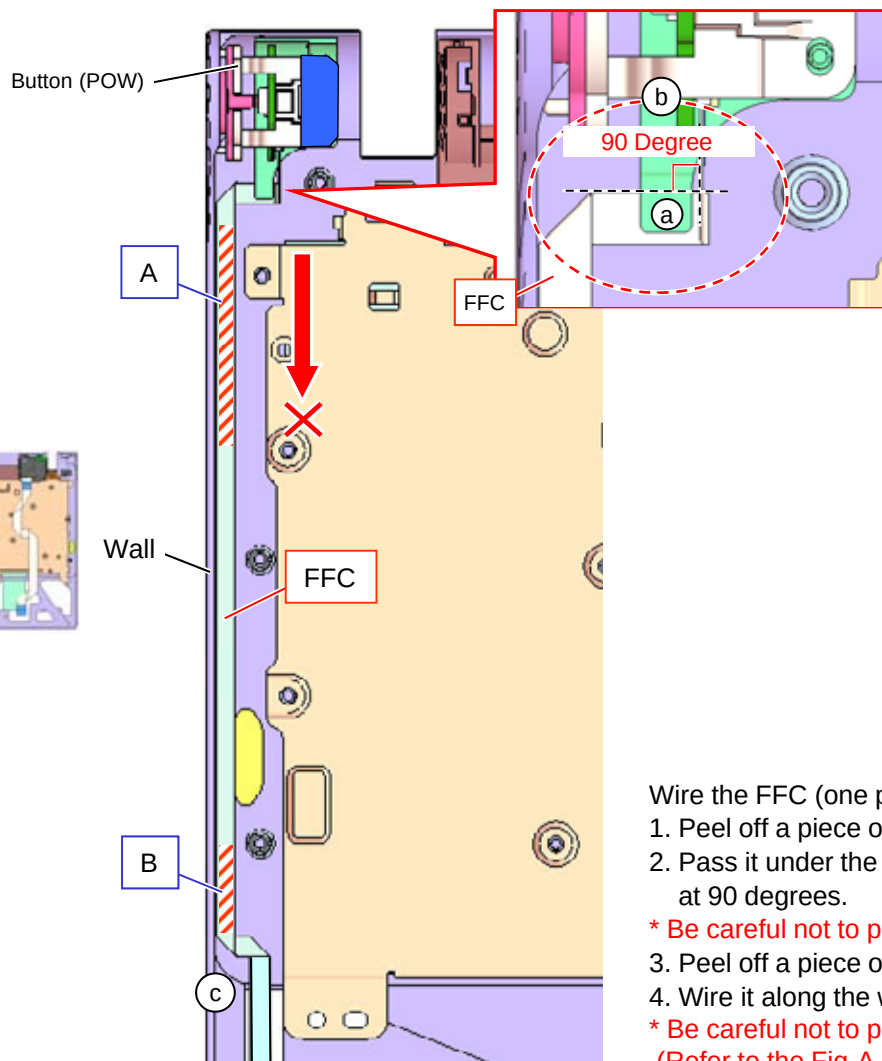
8)



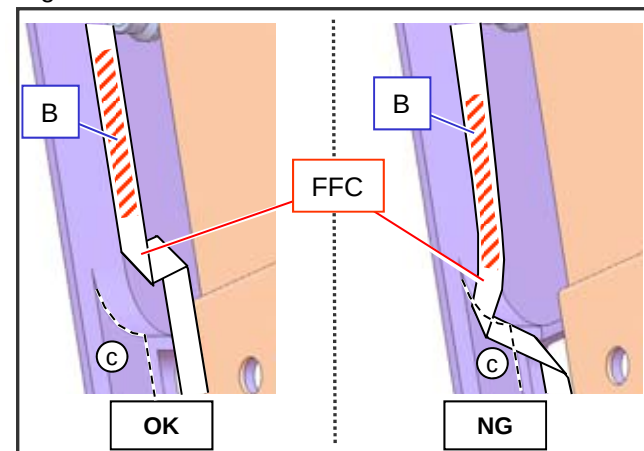
1. Attach the Sheet (one place) and fold the excess part of it in the direction of the arrow.
2. Attach the dotted line side by fitting it to the shape of the Palmrest.

Button (POW), SWX-329 Board, Lens (POW) -4

9)



<Fig-A>



Wire the FFC (one place) as follows.

1. Peel off a piece of release paper from the bottom of the A part.
2. Pass it under the a part (one place) and attach the A part with the b part at 90 degrees.

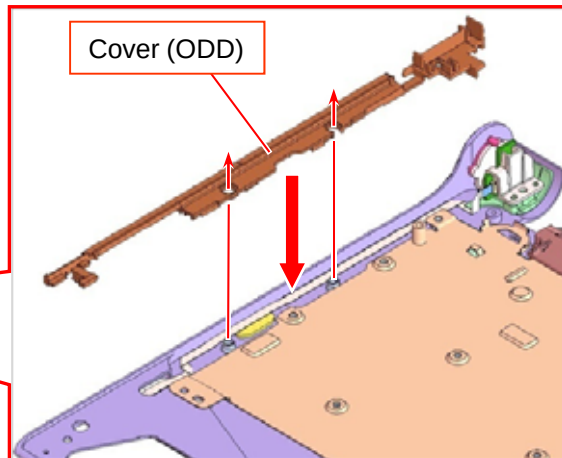
* Be careful not to pull the FFC in the direction of the arrow.

3. Peel off a piece of release paper from the bottom of the B part.
4. Wire it along the wall, and attach the B part.

* Be careful not to place the FFC on the c part (one place).
(Refer to the Fig-A.)

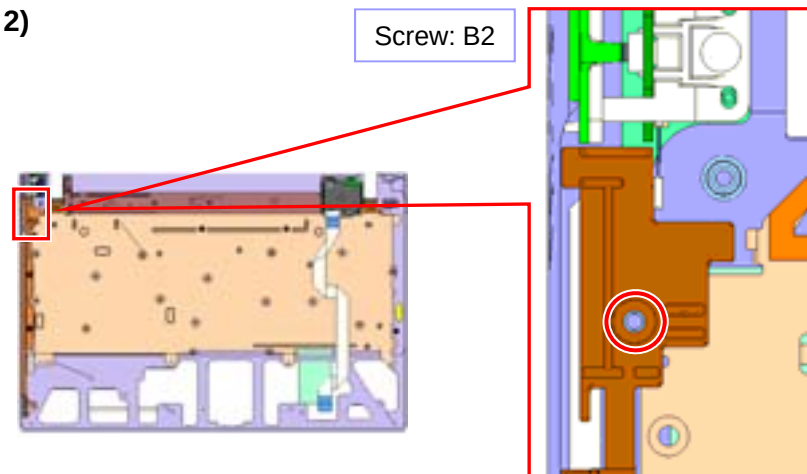
Cover (ODD), Holder (Cushion)

1)



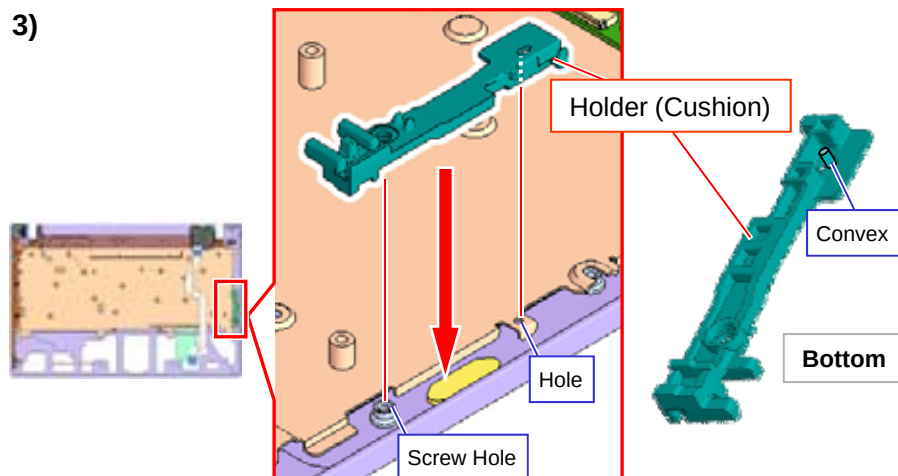
Install the Cover while aligning it with the bosses (two places).

2)



Tighten the screw.

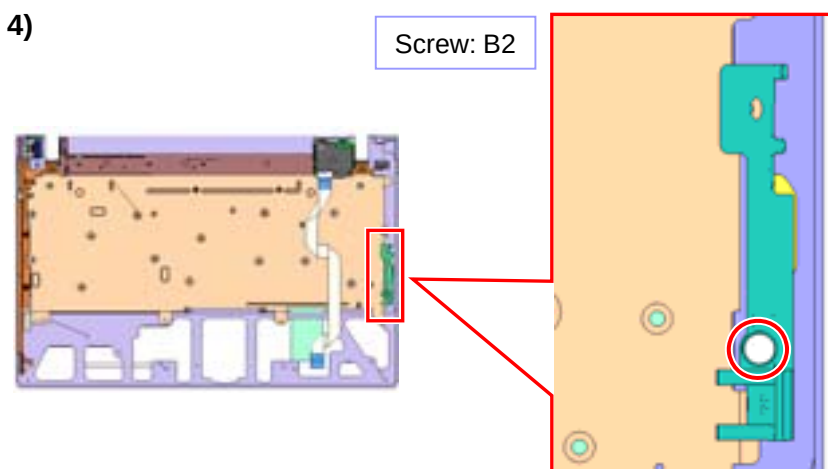
3)



Install the Holder while aligning it with the screw hole (one place).

* Fit the convex part (one place) into the hole (one place).

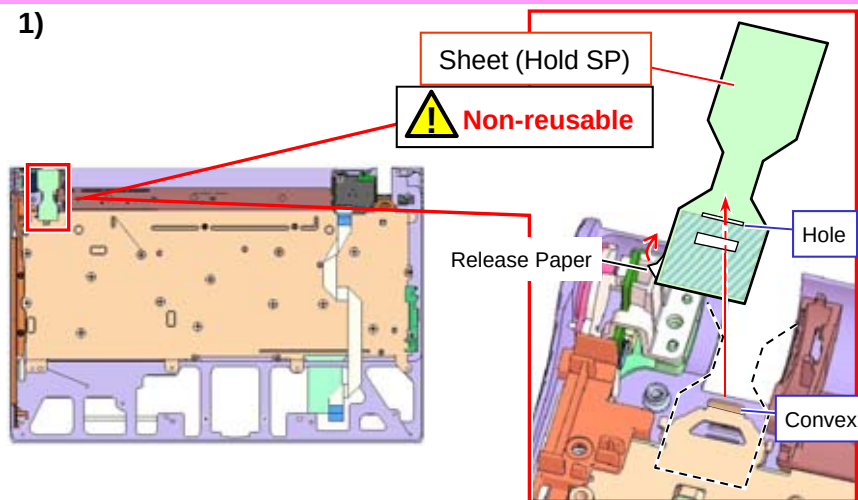
4)



Tighten the screw.

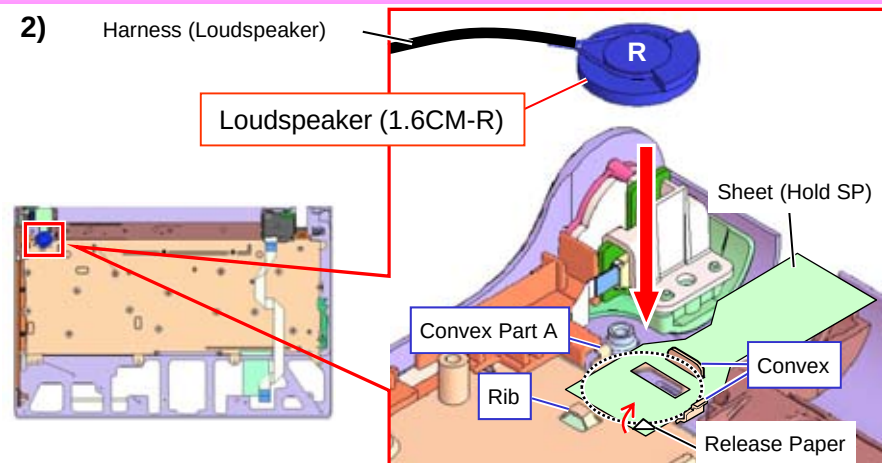
Loudspeaker (1.6CM-R) -1

1)



Peel off a piece of release paper from the bottom of the shaded area, fit the hole to the convex part, and attach the Sheet (one place).

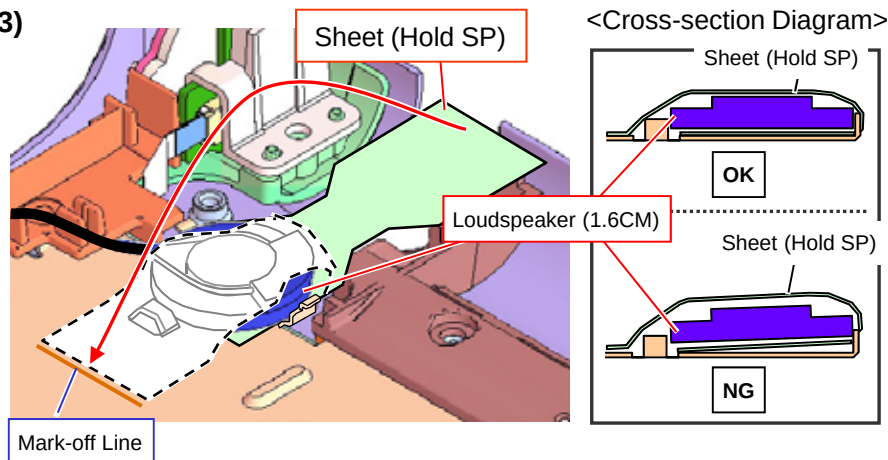
2)



Peel off a piece of release paper and install the Loudspeaker to the inside of the convex parts (three places).

* Be careful not to pass the Harness over the convex part A (one place) and the rib (one place).

3)

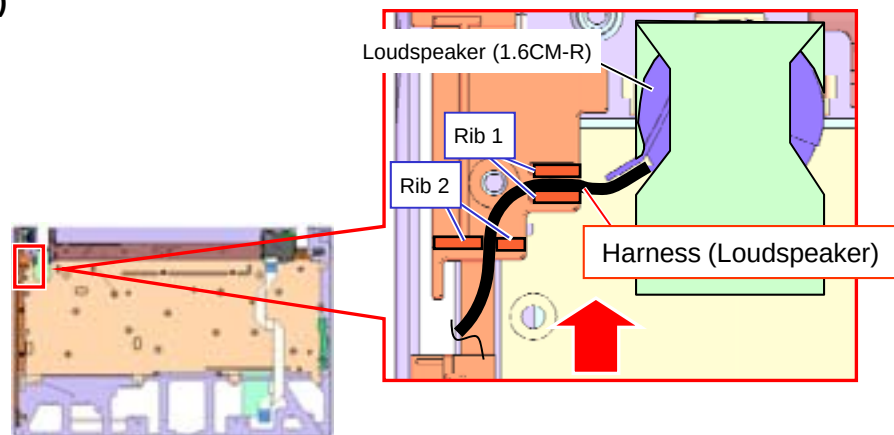


Fold the Sheet (one place) toward the front, and attach the Sheet by aligning it with the mark-off line to secure the Loudspeaker.

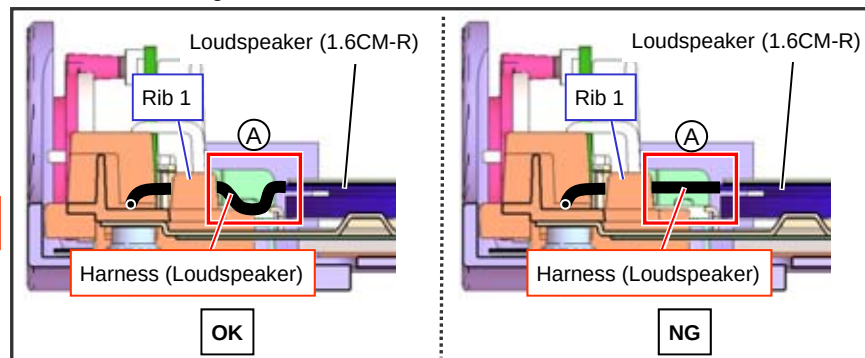
* Make sure that the Loudspeaker does not rise.

Loudspeaker (1.6CM-R) -2

4)



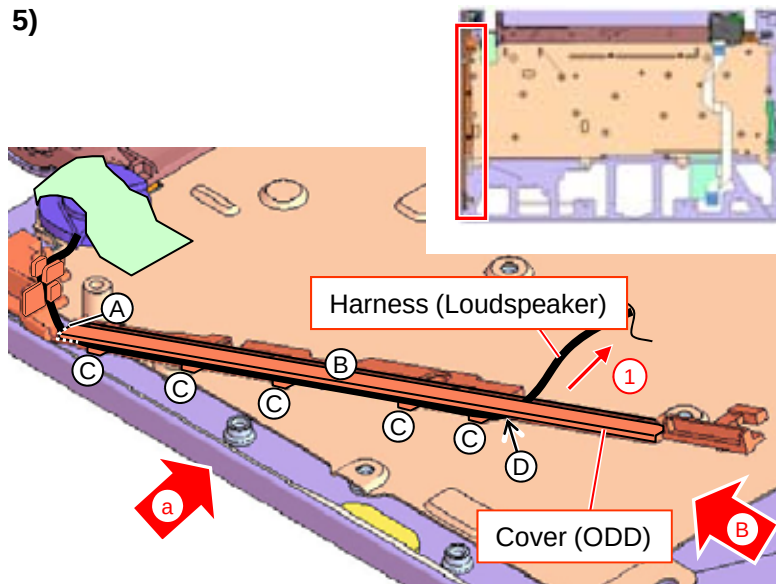
<Cross-section Diagram from the Direction of Arrow>



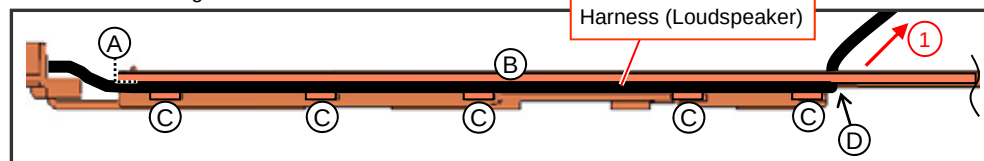
While holding the Loudspeaker, pass the Harness (one place) between the ribs (four places) in order.

* When passing the Harness between the two ribs 1, slack off the Harness at A part.

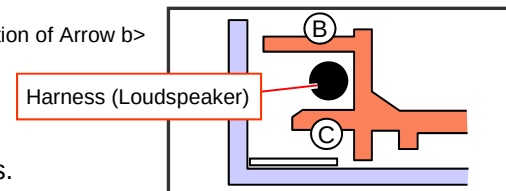
5)



<Cross-section Diagram from the Direction of Arrow a>



<Cross-section Diagram from the Direction of Arrow b>



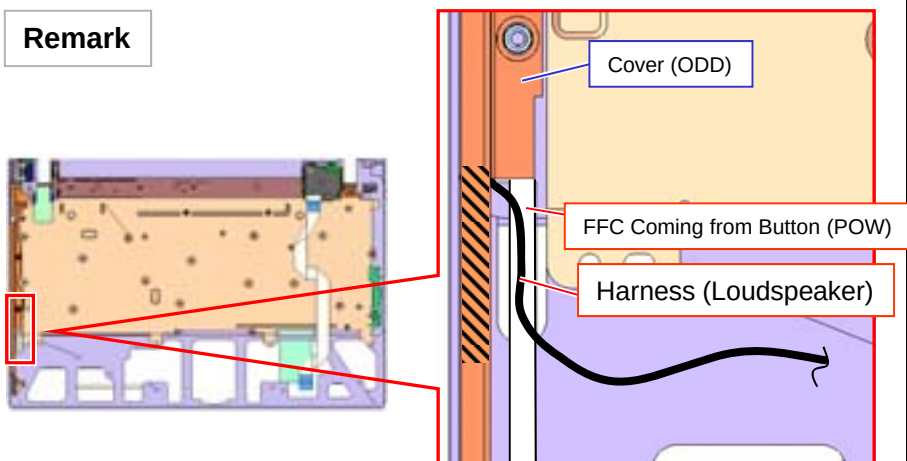
Wire the Harness (one place) as follows.

1. Raise the Cover from the front of it.
2. Pass the Harness under the A part (one place) and between the B part (one place) and the ribs C (five places).
3. Pass the Harness in the direction of the arrow 1 by hooking the Harness on the corner D (one place).

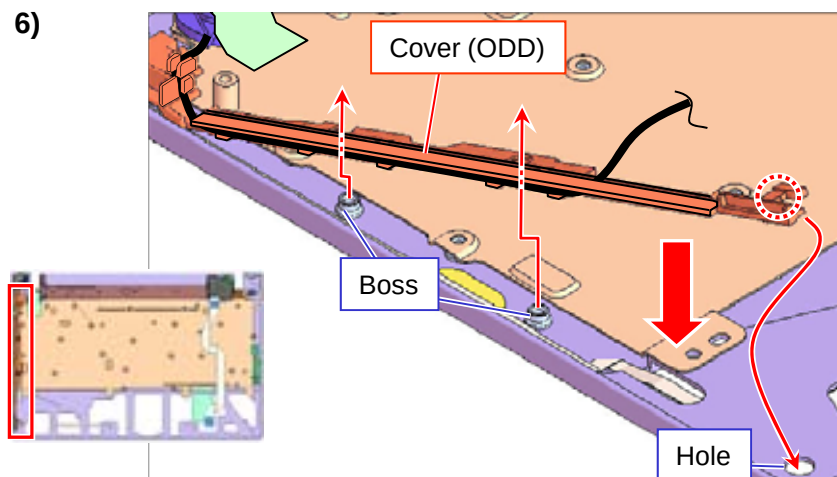
*Refer to the Remark.

Loudspeaker (1.6CM-R) -3

Remark



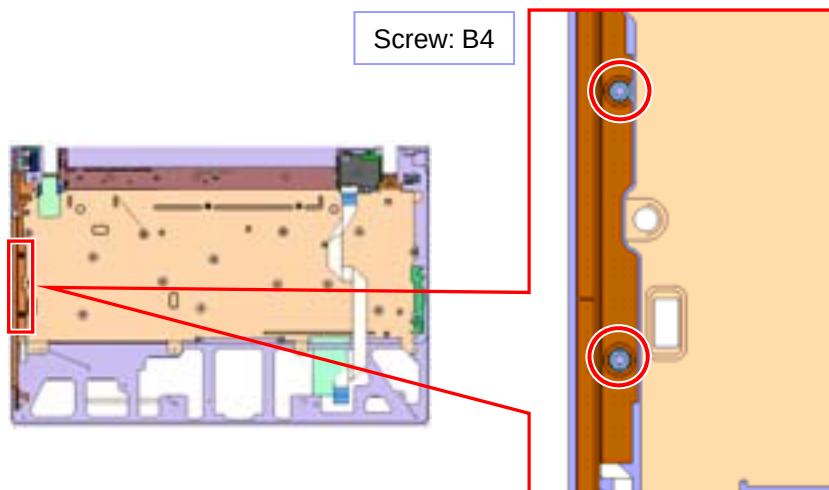
Be careful not to pinch the FFC (one place) and the Harness (one place) at the shaded area.



1. Install the Cover while aligning it with the bosses (two places).
2. Hook the detent (one place) on the hole (one place).

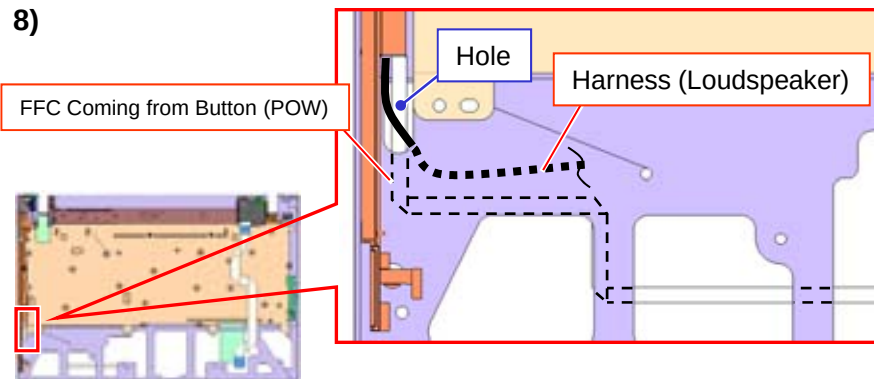
7)

Screw: B4



Tighten the two screws.

8)

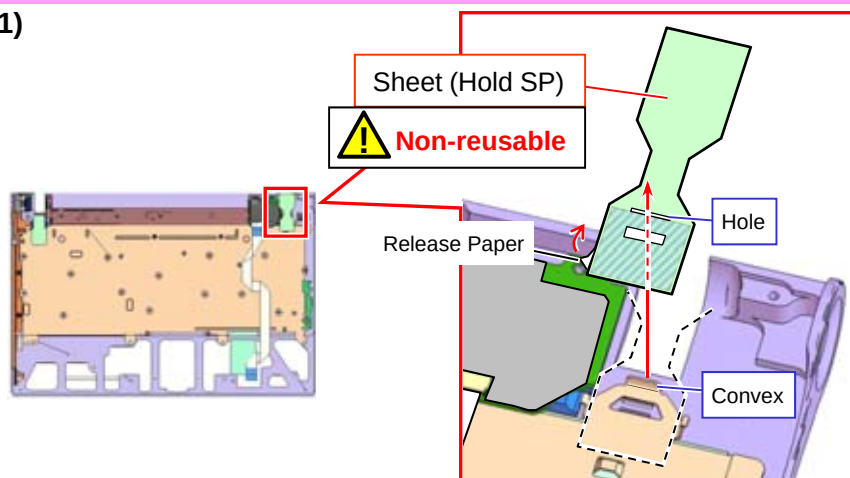


Pass the FFC (one place) and the Harness (one place) through the hole (one place) from near side to the underside.

* Place the Harness on the right side of the FFC at the underside.

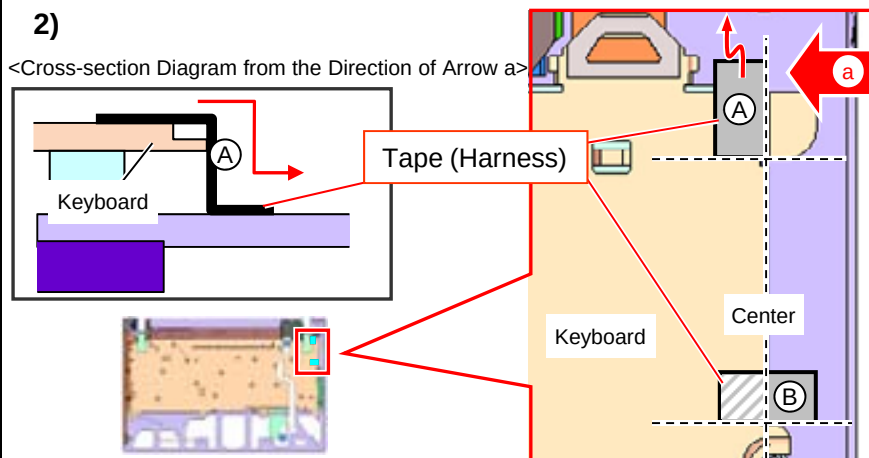
Loudspeaker (1.6CM-L) -1

1)



Peel off a piece of release paper from the bottom of the shaded area, fit the hole to the convex part, and attach the Sheet (one place).

2)

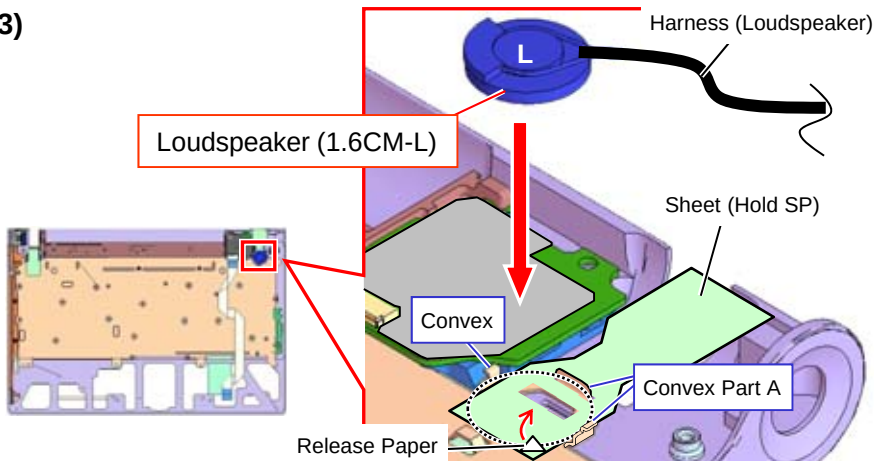


Attach the Tapes (two places).

* As for the Tape A (one place), fold the excess part of it in the direction of the arrow and attach it.

* As for the Tape B (one place), attach only the shaded area of it.

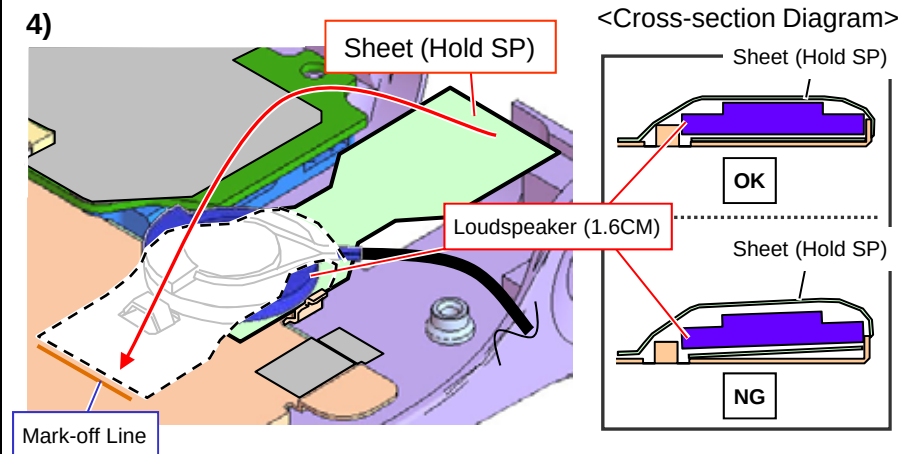
3)



Peel off a piece of release paper and install the Loudspeaker to the inside of the convex parts (three places).

* Be careful not to pass the Harness over the convex parts A (two places).

4)

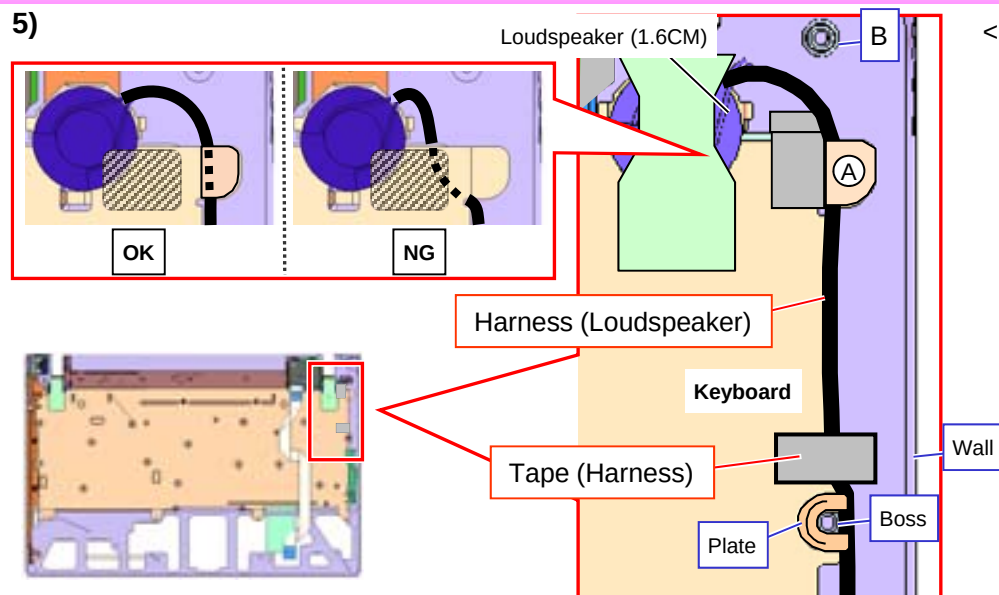


Fold the Sheet (one place) toward the front, and attach the Sheet by aligning it with the mark-off line to secure the Loudspeaker.

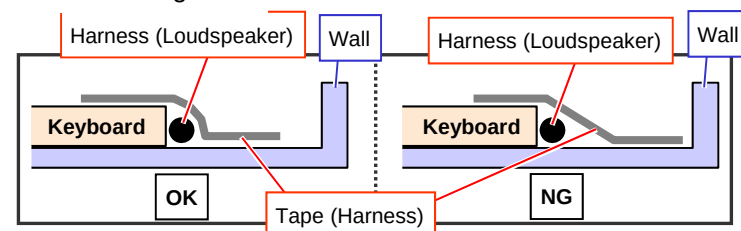
* Make sure that the Loudspeaker does not rise.

Loudspeaker (1.6CM-L) -2

5)



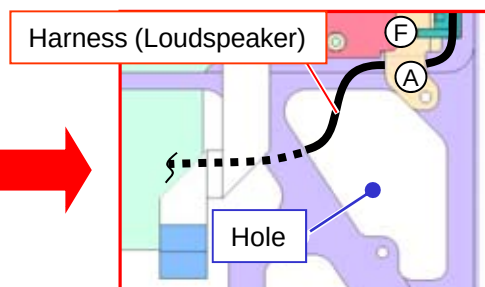
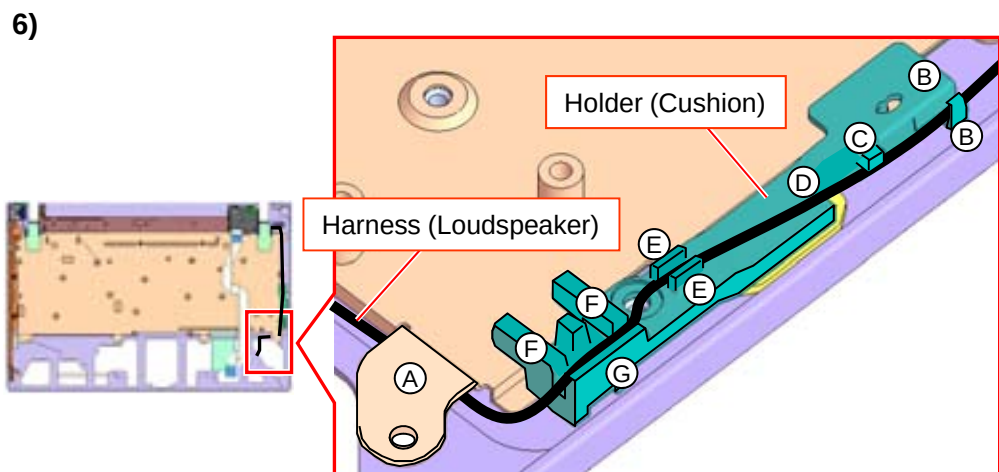
<Cross-section Diagram>



Wire the Harness (one place) as follows.

1. Pass it under the A part (one place).
* Be careful not to pass the Harness under the shaded area.
* Be careful not to pass the Harness over the B part.
2. Pass it along the Keyboard and pass it on the right side of the boss.
* Pass it under the Plate.
3. Attach the Tape (one place) firmly along the shape of the place.
* Be careful not to attach the Tape (one place) to the wall.

6)

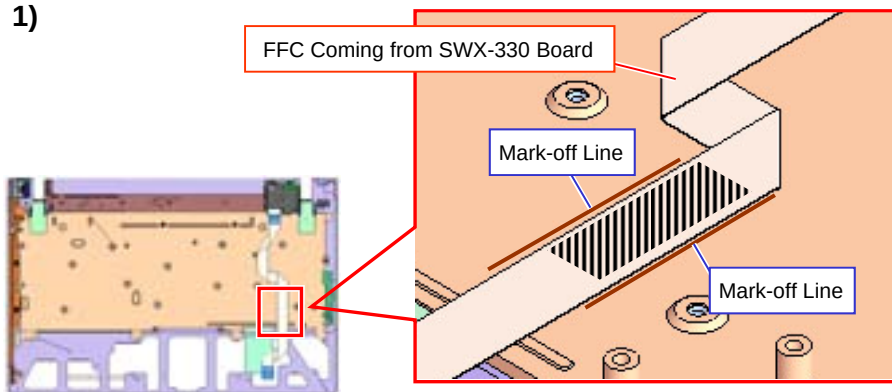


Wire the Harness (one place) as follows.

1. Pass it under the A part.
2. Pass it between the B parts (two places) and pass it under the C part.
3. Pass it on top of the Holder from the D part, and pass it between the E parts (two places).
4. Pass it between the F parts (two places) and the G part.
5. Pass it through the hole from near side to the underside.

Plate (VRAM), Cushion (ODD Big)

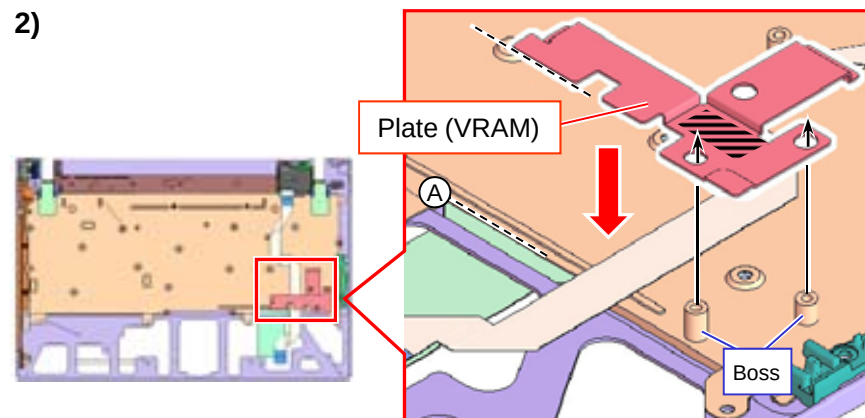
1)



Peel off a piece of release paper from the bottom of the shaded area, and attach the FFC (one place) while aligning it with the mark-off lines (two places).

* Press the adhesive part from the top of it to secure it firmly.

2)



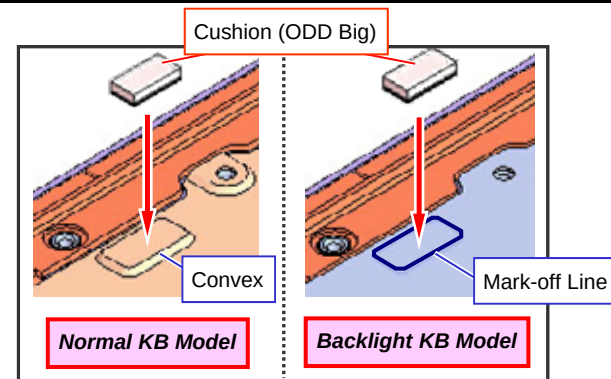
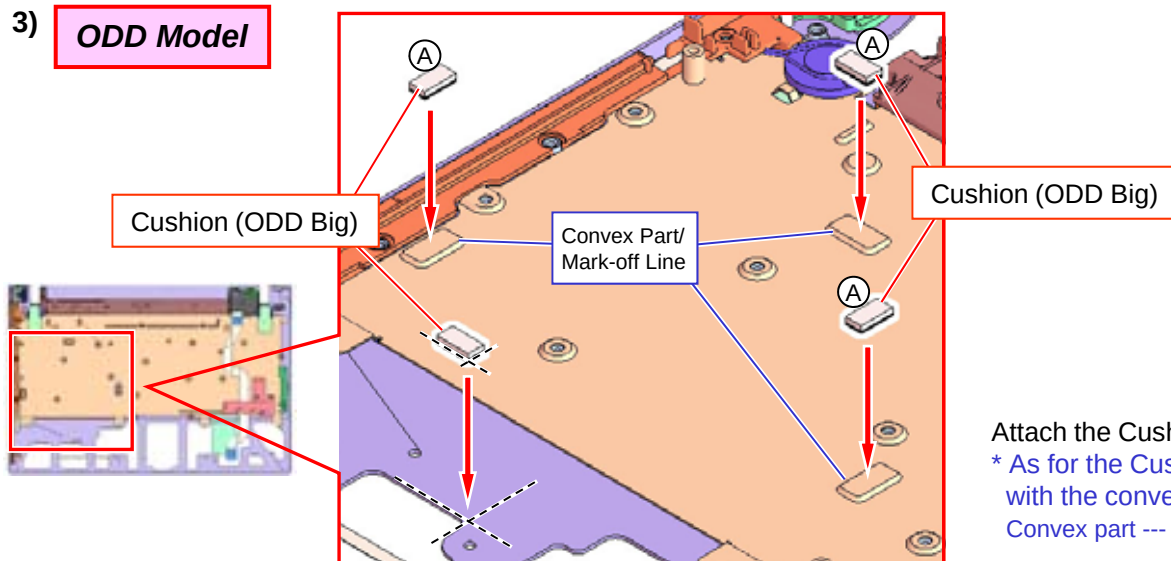
Peel off a piece of release paper from the bottom of the shaded area, and install the Plate while aligning it with the bosses (two places).

* Press the adhesive part from the top of it to secure it firmly.

* Be careful not to protrude from the A side.

3)

ODD Model



Attach the Cushions (four places).

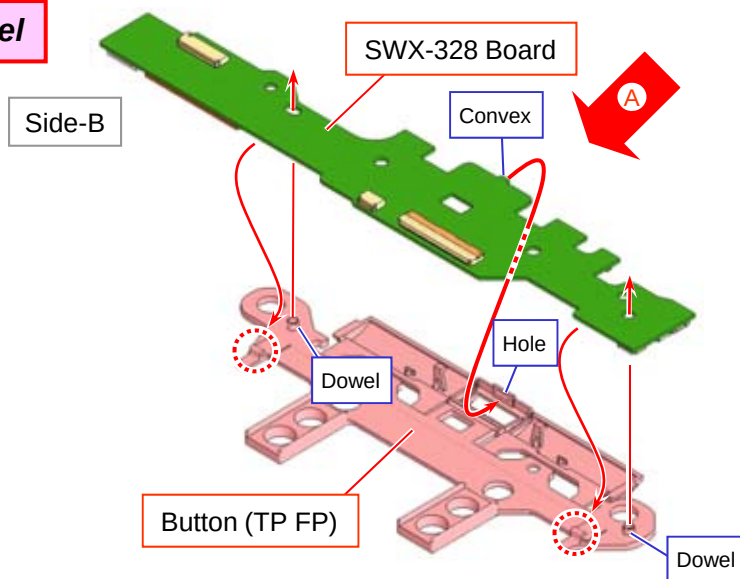
* As for the Cushions A (three places), attach them by aligning them with the convex parts/mark-off lines (three places).

Convex part --- Normal KB Model / Mark-off line --- Backlight KB Model

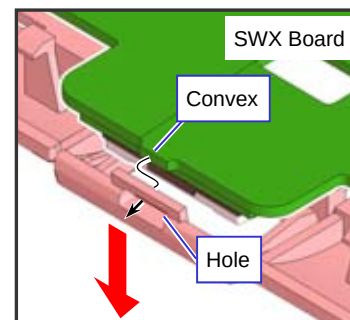
Button (TP FP / TP NFP), SWX-328 Board -1

1)

FP Model



<Fig-A: View from the Direction of Arrow A>



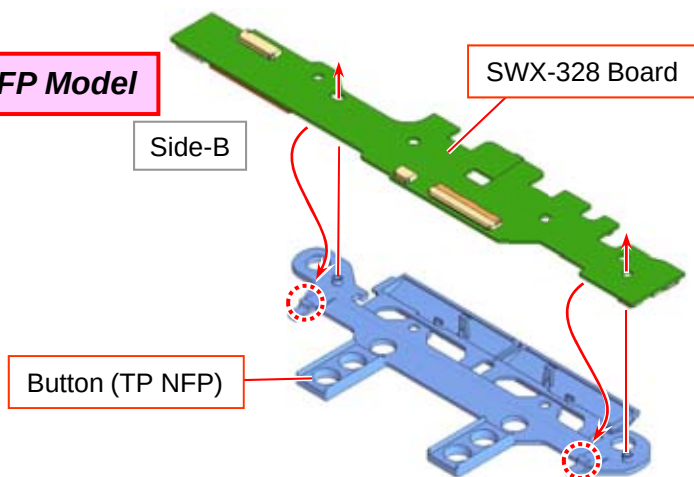
Install the SWX Board as follows.

1. Fit the SWX Board under the detents (two places), and align the SWX Board with the dowels (two places).
2. Fit the convex part (one place) into the hole (one place).

* Keep the hole down, and fit the convex part into the hole while pushing down the SWX Board. (Refer to the Fig-A.)

2)

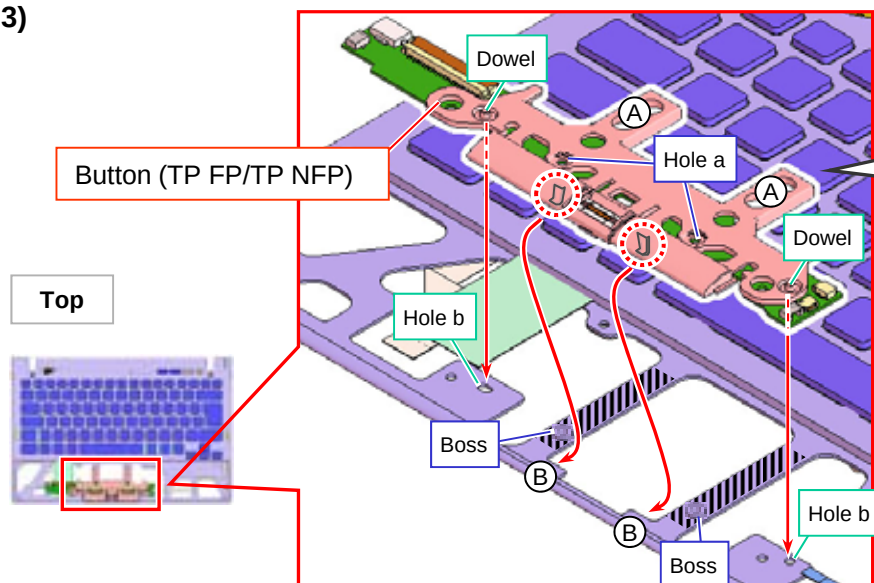
No-FP Model



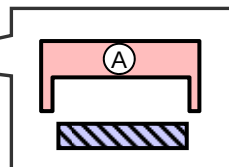
Fit the SWX Board under the detents (two places), and install the SWX Board while aligning it with the dowels (two places).

Button (TP FP / TP NFP), SWX-328 Board -2

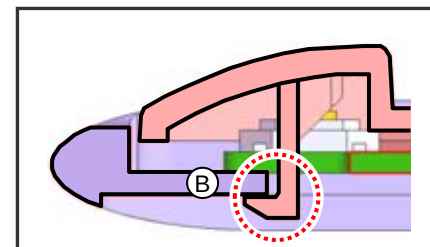
3)



<Cross-section Diagram of A Part>



<Cross-section Diagram of B Part>

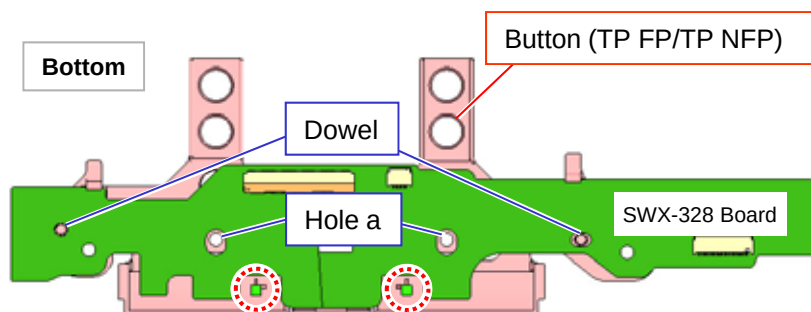


Install the Button as follows.

1. Fit the A parts (two places) to the shaded areas (two places).
2. Hook the detents (two places) on the B parts (two places).
3. Align the holes a (two places) with the bosses (two places), and align the dowels (two places) with the holes b (two places).

*FP Model---Button (TP FP) / No-FP Model---Button (TP NFP)

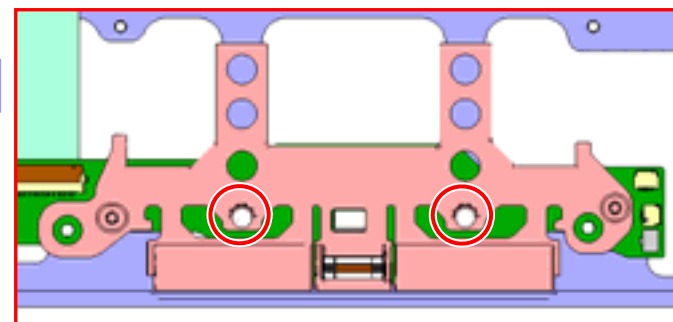
Remark



Position of Detents (Two Places), Holes a (Two Places), and Dowels (Two Places)

4)

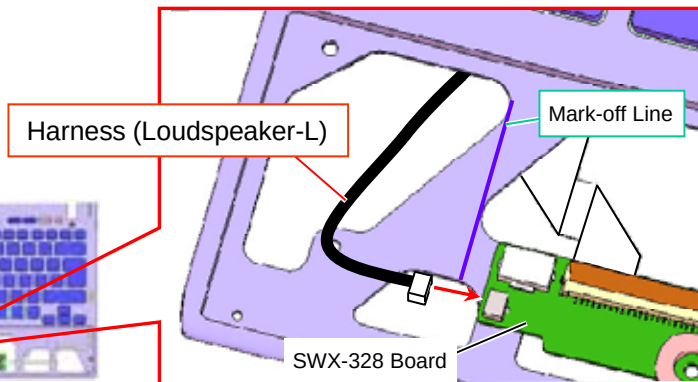
Screw: B2



Tighten the two screws.

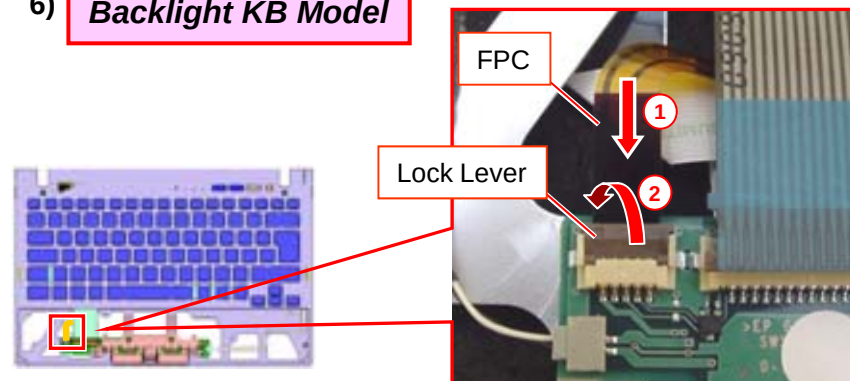
Button (TP FP / TP NFP), SWX-328 Board -3

5)



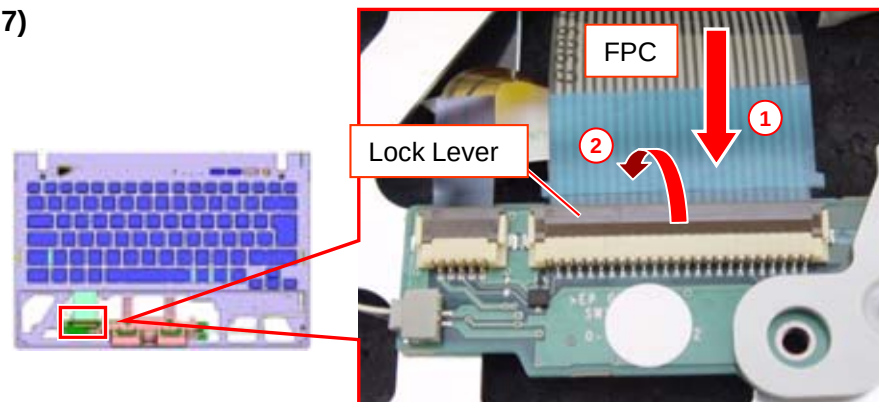
Connect the Harness (one place), and wire it to the left side of the mark-off line.

6)

Backlight KB Model

Connect the FPC (arrow 1) and rotate down the lock lever to lock (arrow 2).

7)

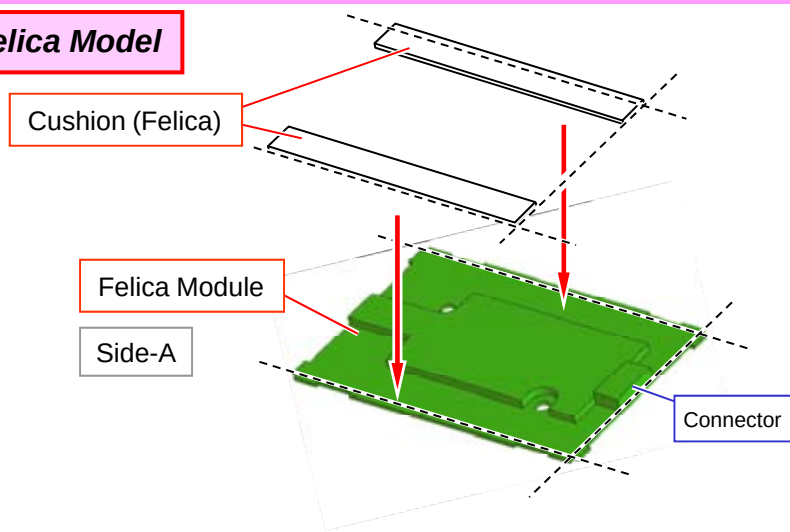


Connect the FPC (arrow 1) and rotate down the lock lever to lock (arrow 2).

Felica Module -1

1)

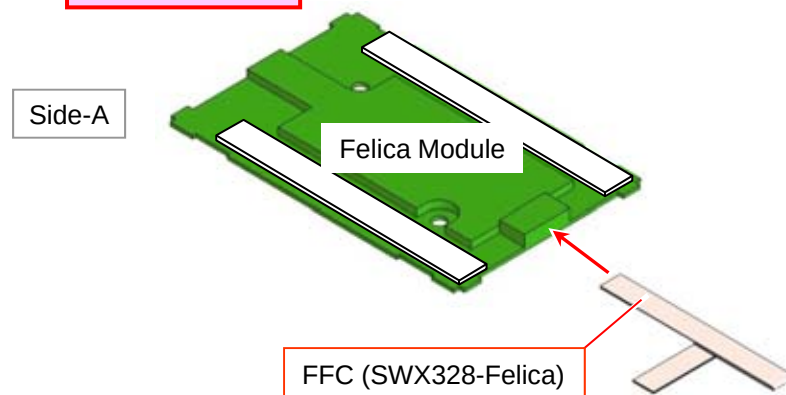
Felica Model



Attach the Cushions (two places).

2)

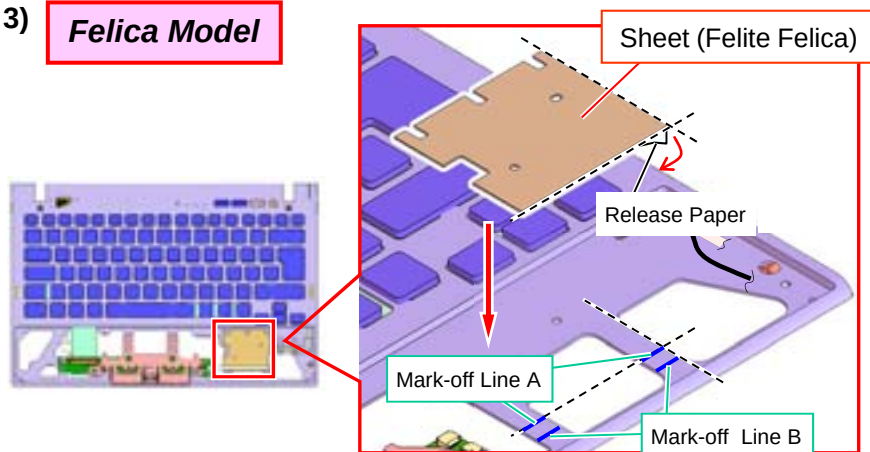
Felica Model



Connect the FFC (one place).

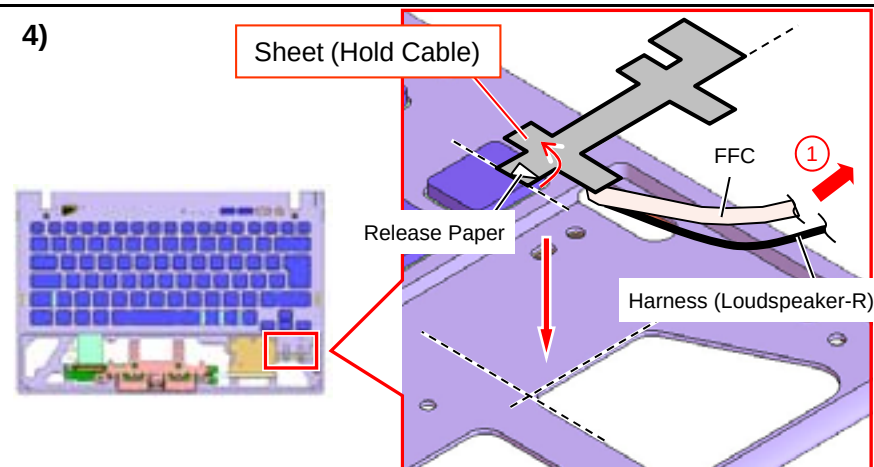
3)

Felica Model



Peel off a piece of release paper, and attach the Sheet (one place) while aligning it with the mark-off lines A (two places).

4)

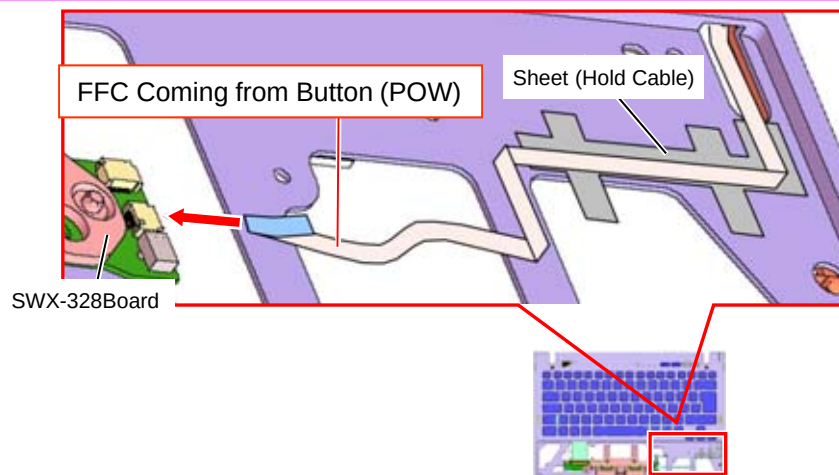


1. Keep the FFC (one place) and Harness (one place) in the direction of the arrow 1.

2. Attach the Sheet (one place), and peel off a piece of release paper.

Felica Module -2

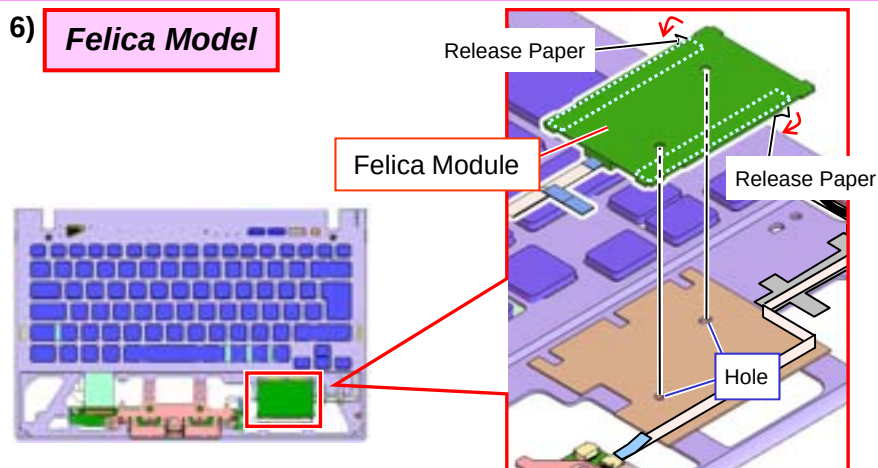
5)



Connect the FFC (one place), pass it along the Sheet, and attach the FFC to the Sheet.

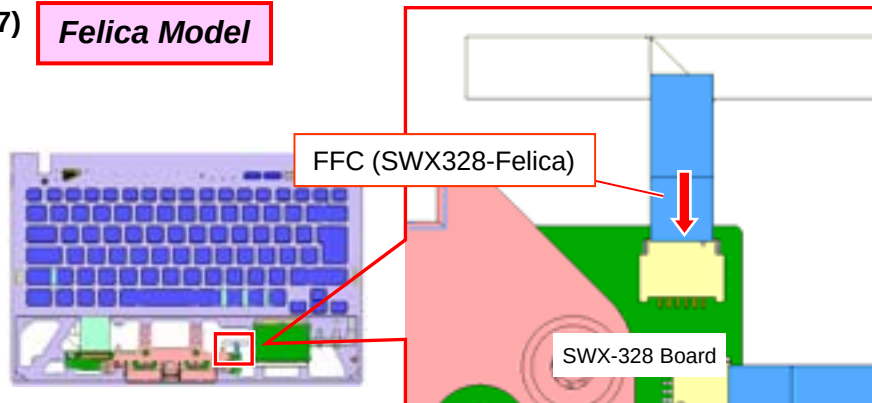
**Be careful not to protrude from the Sheet.*

6)

Felica Model


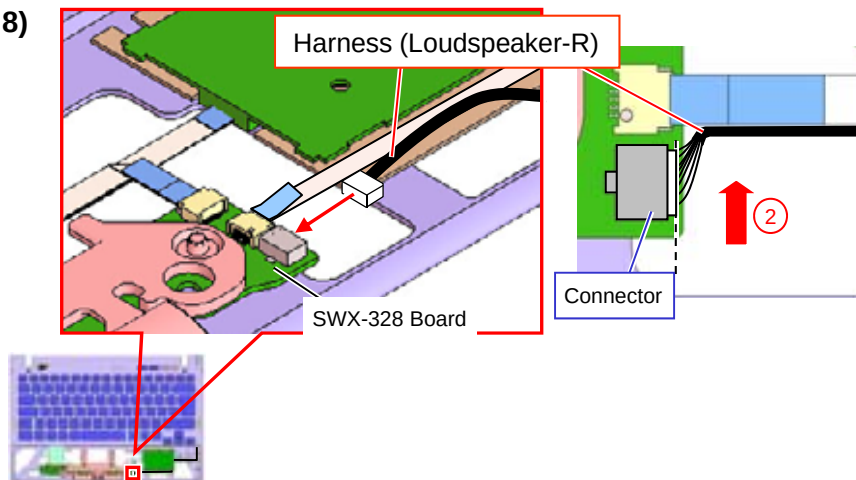
Peel off two pieces of release paper, and install the Felica Module while aligning it with the holes (two places).

7)

Felica Model


Connect the FFC (one place).

8)

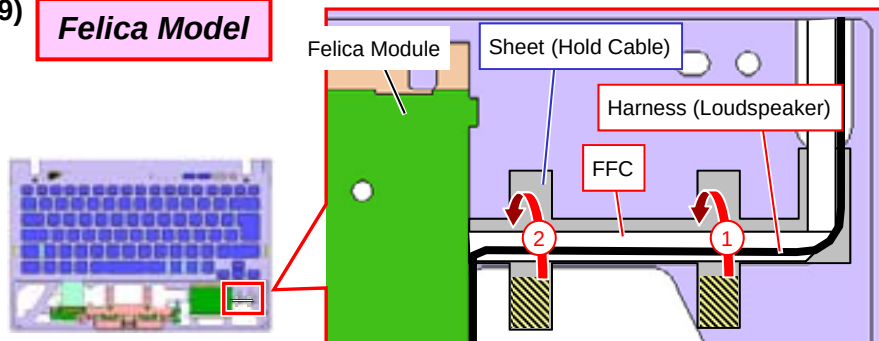


Connect the Harness (one place), and form the Harness in the direction of the arrow 2 from the edge of the connector.

Felica Module -3

9)

Felica Model



Wire the Harness (one place) and the FFC (one place) as follows.

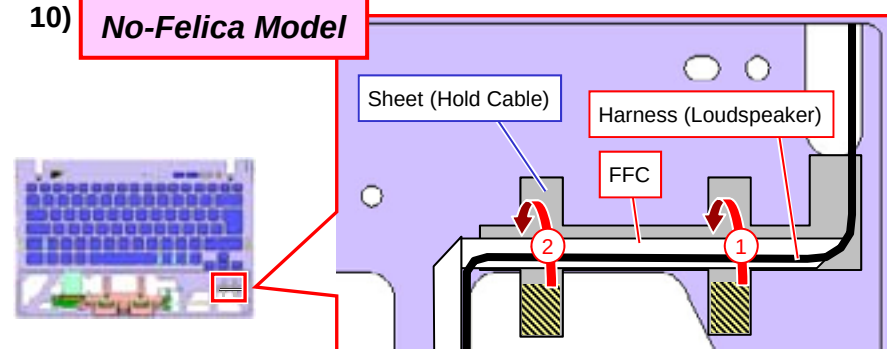
1. Pass the Harness along the right side of the Felica Module, and pass it on the Sheet.
2. Fold the shaded areas (two places) in order, and secure the Harness and the FFC by attaching the Sheet.

* Fold the Sheet by covering the FFC and the Harness.

* Be careful not to protrude from the Sheet.

10)

No-Felica Model



Wire the Harness (one place) and the FFC (one place) as follows.

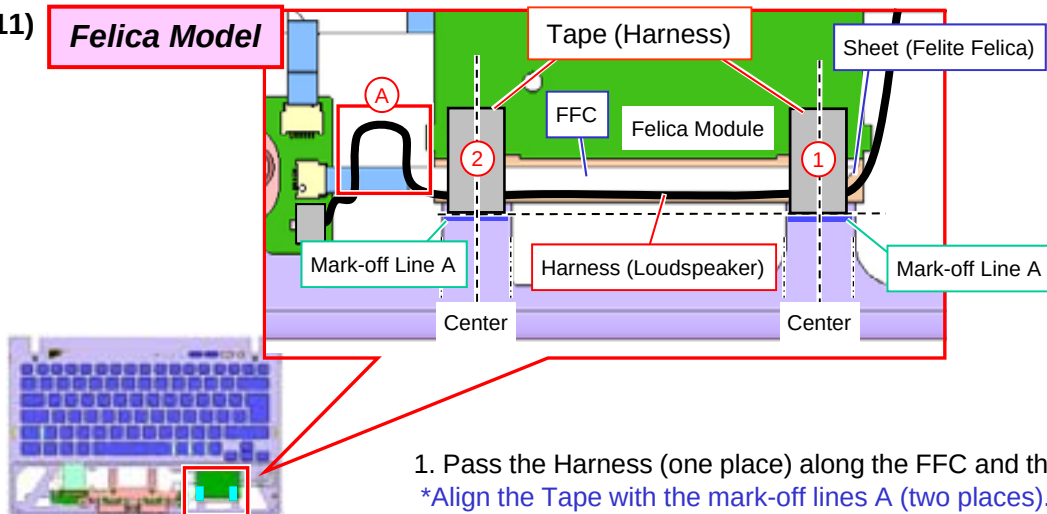
1. Pass the Harness along the right side of the FFC, and pass the Harness along the Sheet.
2. Fold the shaded areas (two places) in order, and secure the Harness and the FFC by attaching the Sheet.

* Fold the Sheet by covering the FFC and the Harness.

* Be careful not to protrude from the Sheet.

11)

Felica Model

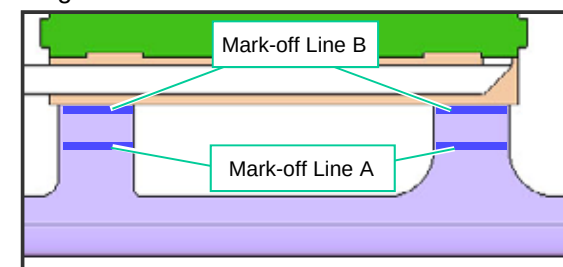


1. Pass the Harness (one place) along the FFC and the Sheet, and attach the Tapes (two places) in order.

* Align the Tape with the mark-off lines A (two places). (Refer to the Fig-A.)

2. Put the excess part of the Harness (one place) in the A part.

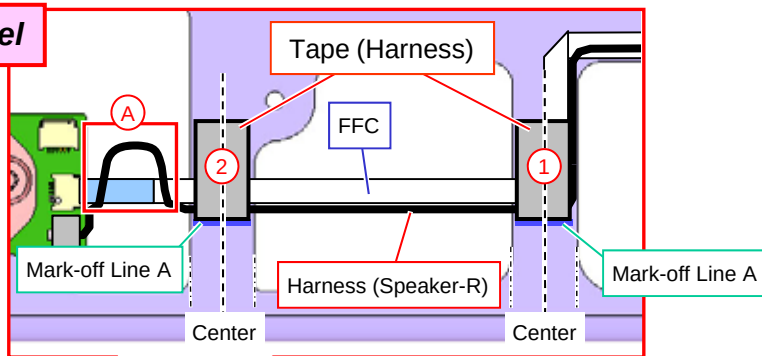
<Fig-A>



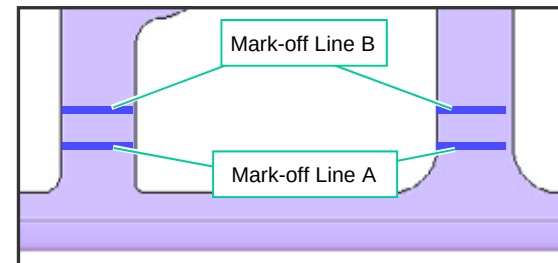
Felica Module -4

12)

No-Felica Model



<Fig-A>



1. Pass the Harness (one place) along the FFC and attach the Tapes (two places) in order.

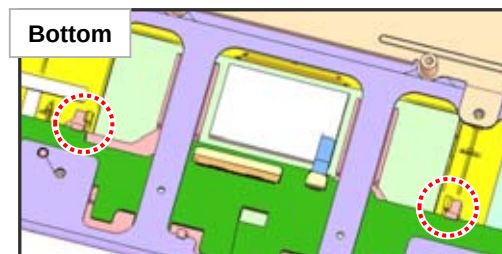
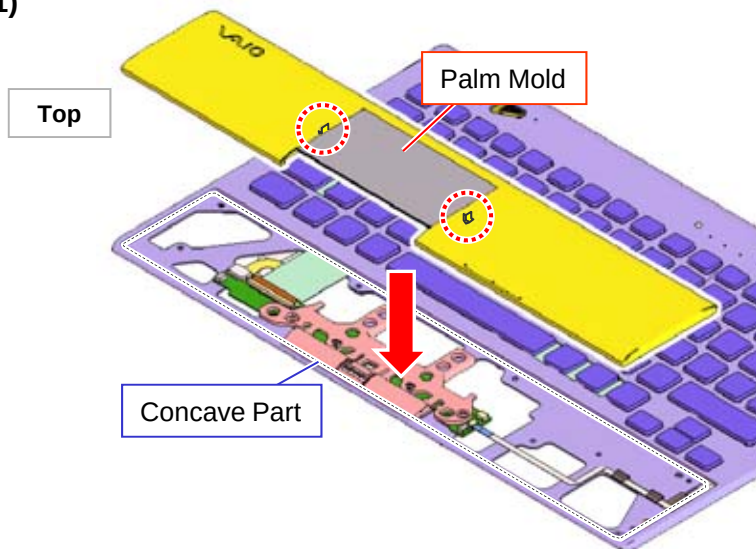
*Align the Tape with the mark-off lines A (two places). (Refer to the Fig-A.)

2. Put the excess part of the Harness (one place) in the A part.

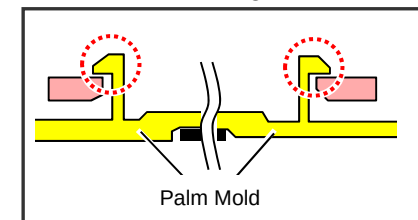


Palm Mold -1

1)

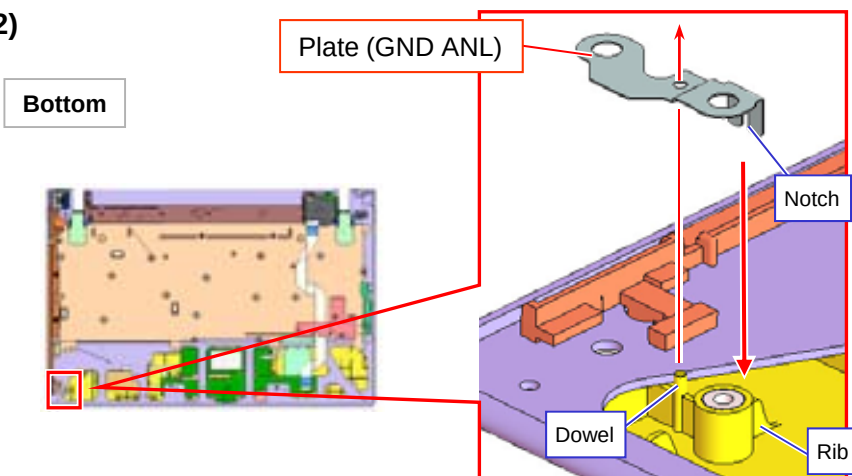


<Cross-section Diagram>



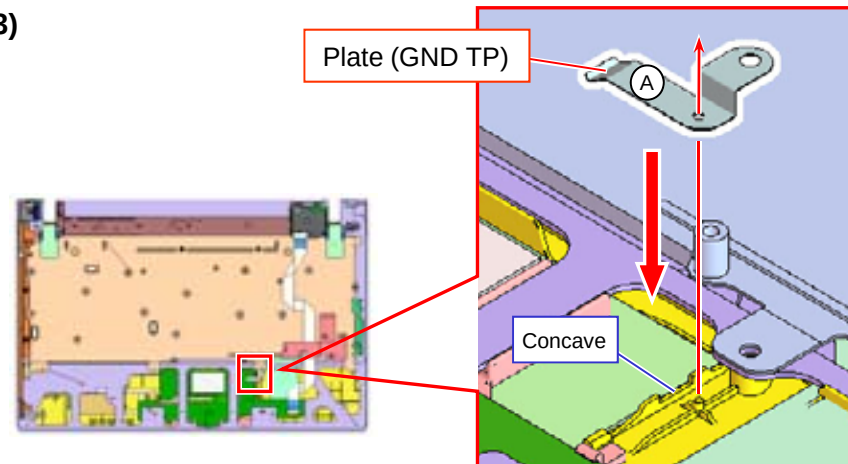
1. Install the Palm Mold while aligning it with the concave shape.
2. Engage the detents (two places) by pushing down the detents portion from the top of the Palm Mold.

2)



Align the notch with the rib, and install the Plate while aligning it with the dowel (one place).

3)

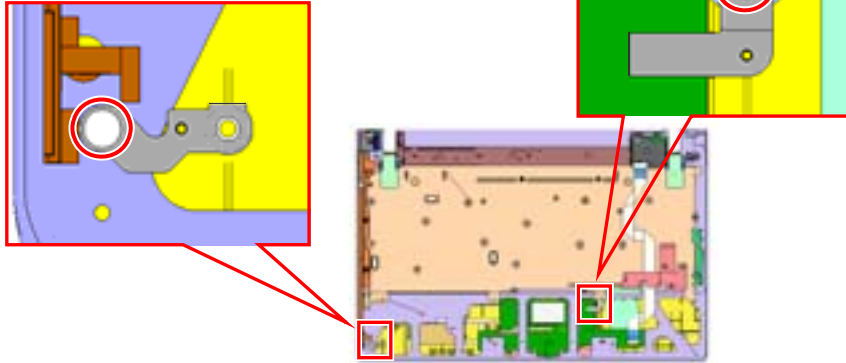


Align the A part with the concave part, and install the Plate while aligning it with the dowel (one place).

Palm Mold -2

4)

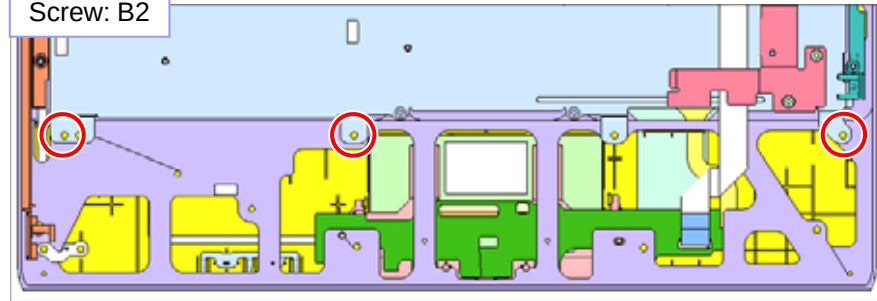
Screw: B2



Tighten the two screws.

5)

Screw: B2

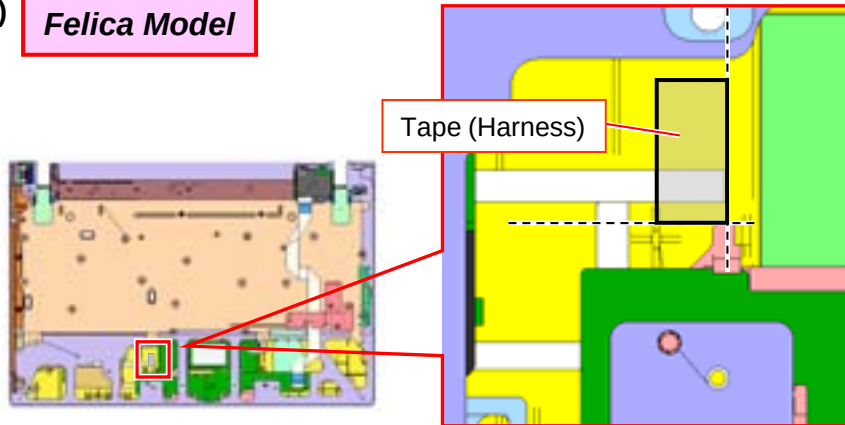


Tighten the three screws.

6)

Felica Model

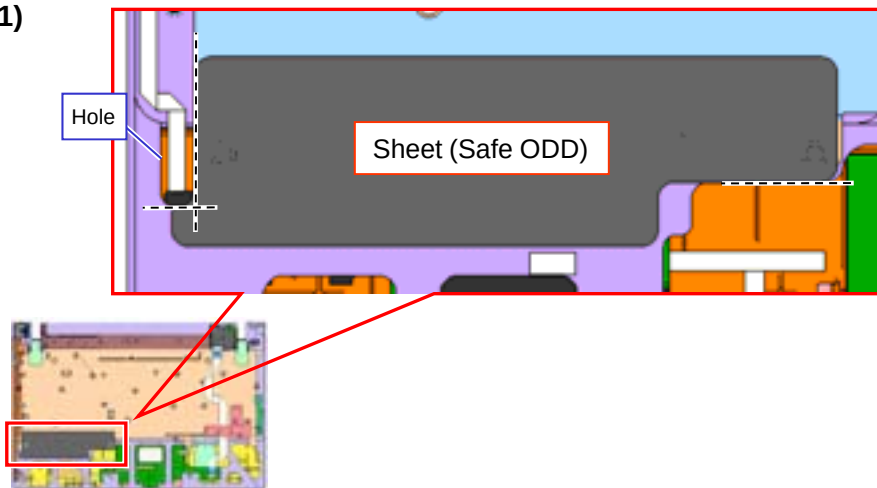
Tape (Harness)



Attach the Tape (one place).

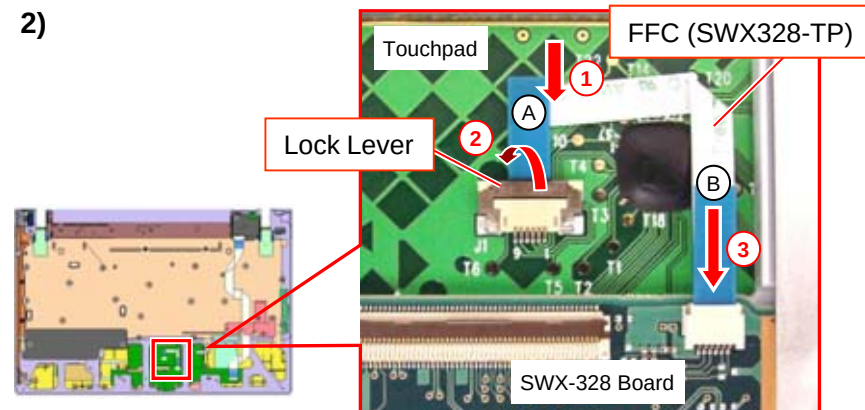
Sheet (Safe ODD), FFC

1)



Attach the Sheet (one place) while aligning it with the hole.

2)

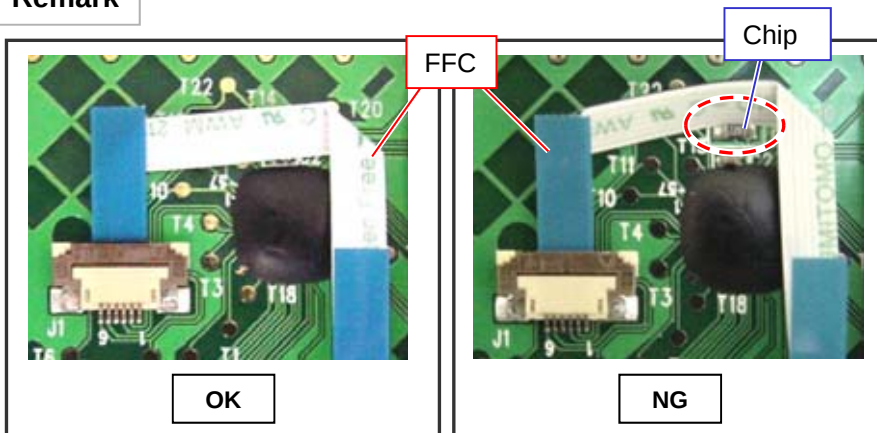


Connect the FFC (one place) as follows.

1. Connect the A part (arrow 1) and rotate down the lock lever to lock (arrow 2).
2. Connect the B part (arrow 3).

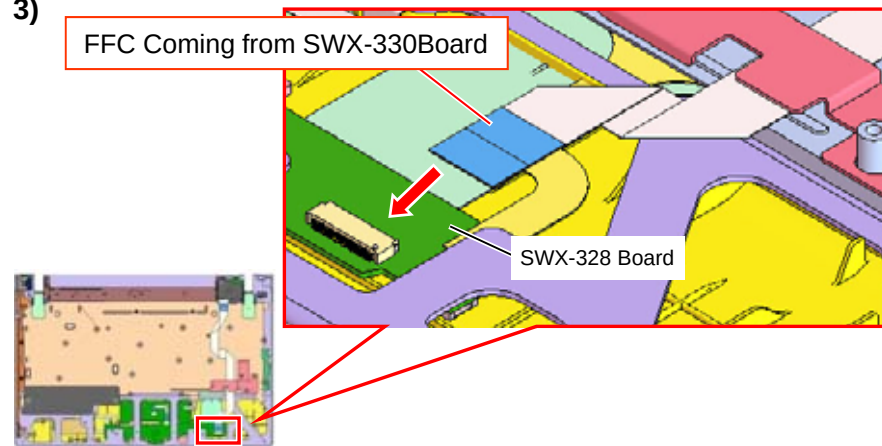
**Refer to the Remark.*

Remark



Be careful not to hook the FFC on the chip.

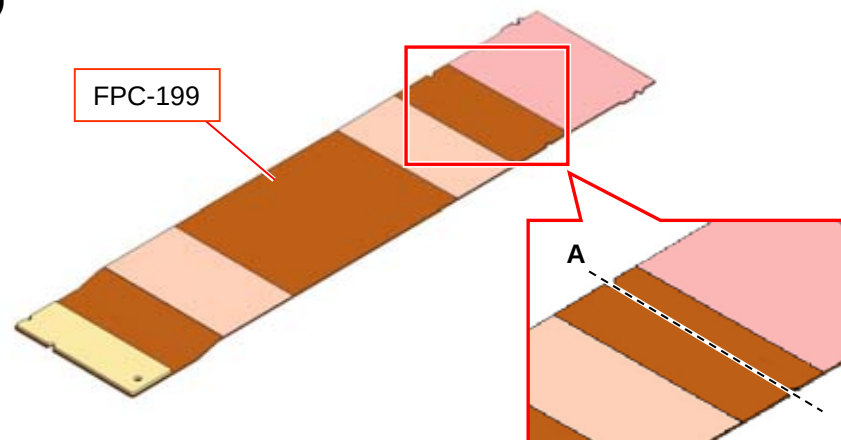
3)



Connect the FFC (one place).

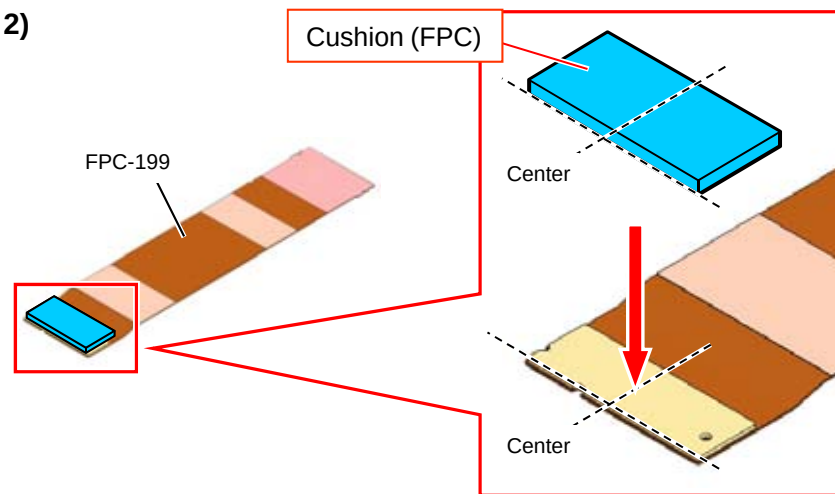
FPC-199 -1

1)



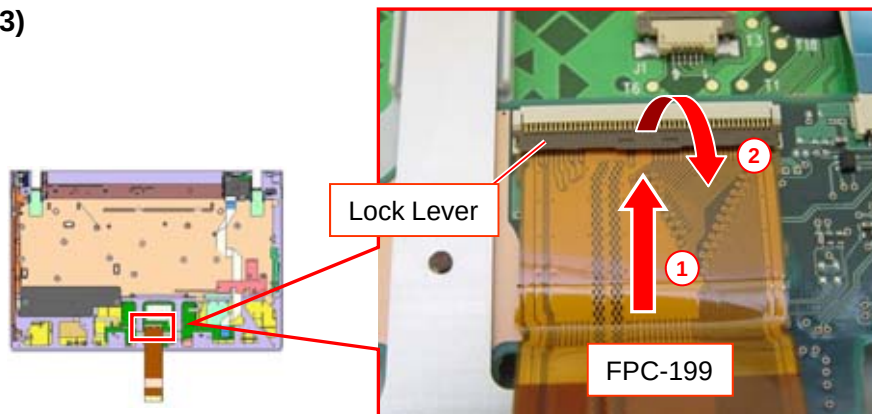
Make valley fold along the A line (one place) to make a crease.

2)



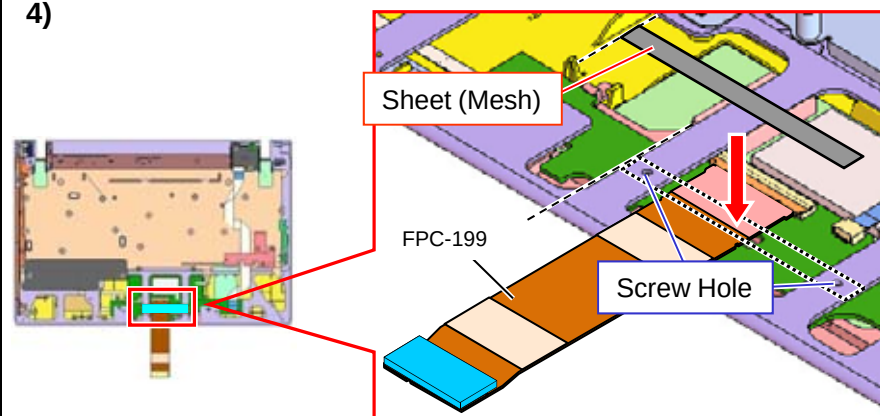
Attach the Cushion (one place).

3)



Connect the FPC (arrow 1) and rotate down the lock lever to lock (arrow 2).

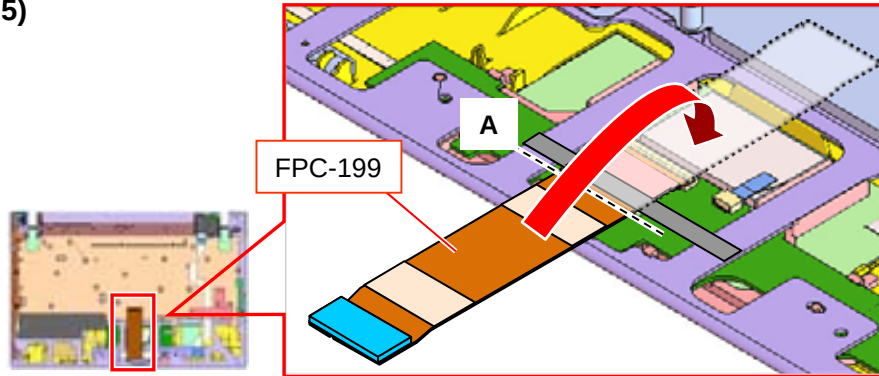
4)



Attach the Sheet (one place) by covering the screw holes (two places).

FPC-199 -2

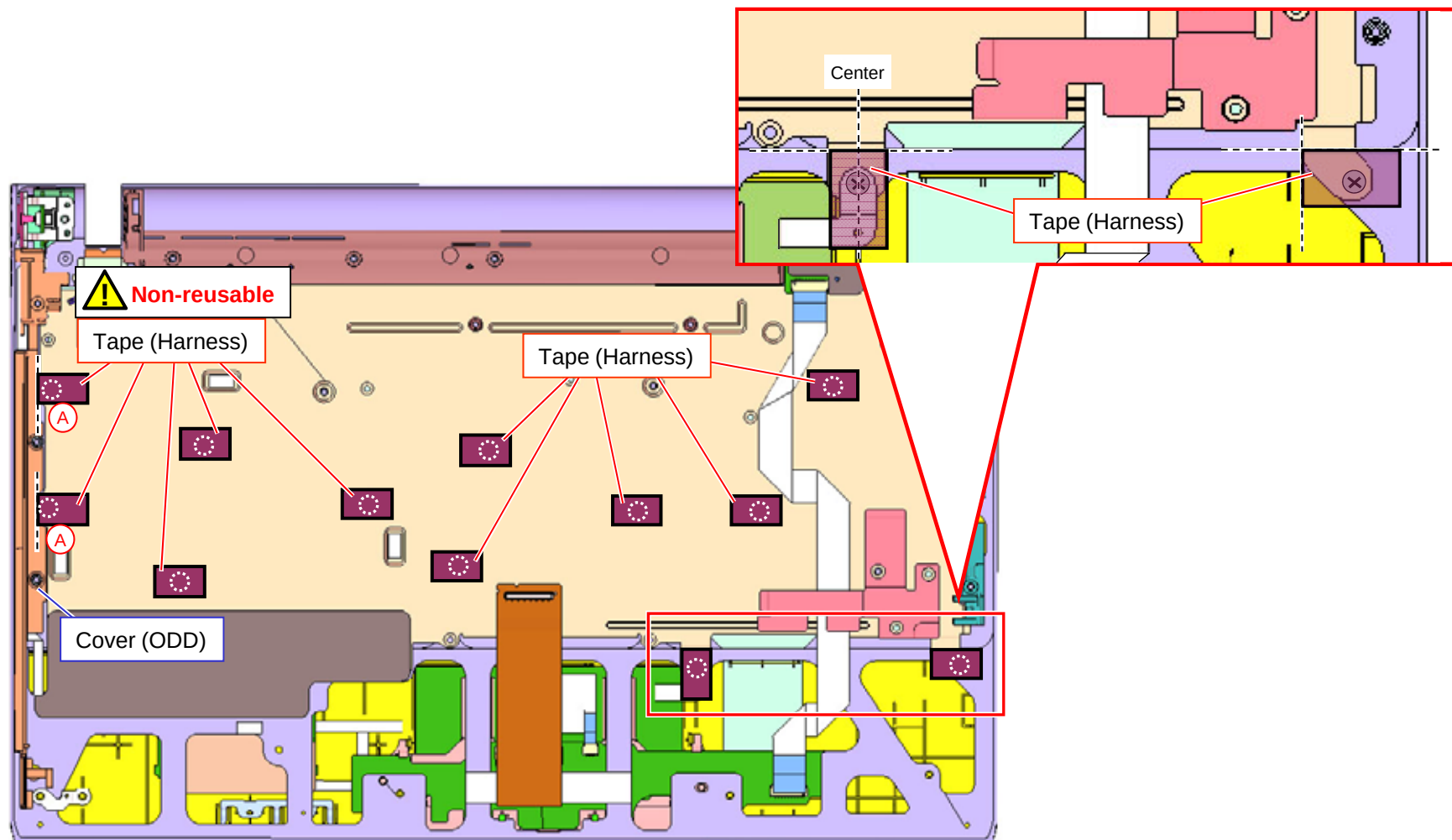
5)



Fold the A part (one place) in the direction of the arrow.

Tape (Harness)

1)



Attach the Tapes (12 places) by covering the screws (12 places).

*As for the Tapes A (two places), be careful not to attach them to the Cover.

Update History

[ADD]---Addition [DEL]---Deletion [CHG]---Change [COR]---Correction [MA]---Model Addition

Date		Contents	Version No.
2010.10.01		[CHG] Procedure (Page 9)	3.10

Chapter 1. Disassembly & Assembly Guide

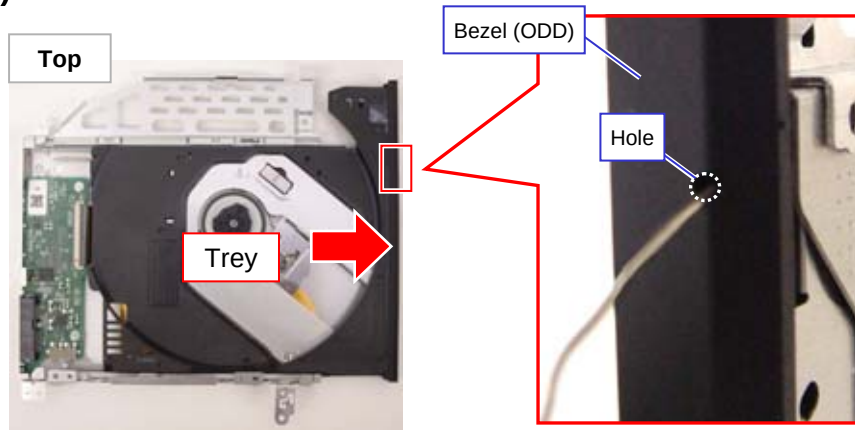
1-3. Disassembly & Assembly

- Drive Block -

D-1 Drive Block Disassembly

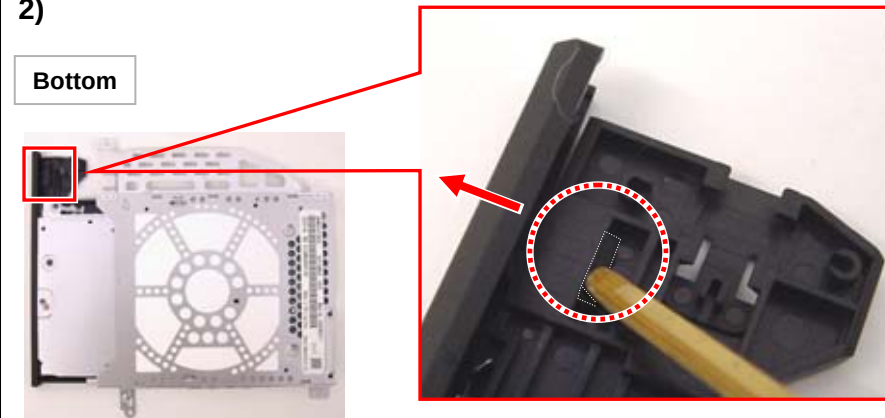
Bezel (ODD)

1)



Insert a thin tool into the hole of the Bezel, and draw out the Tray.

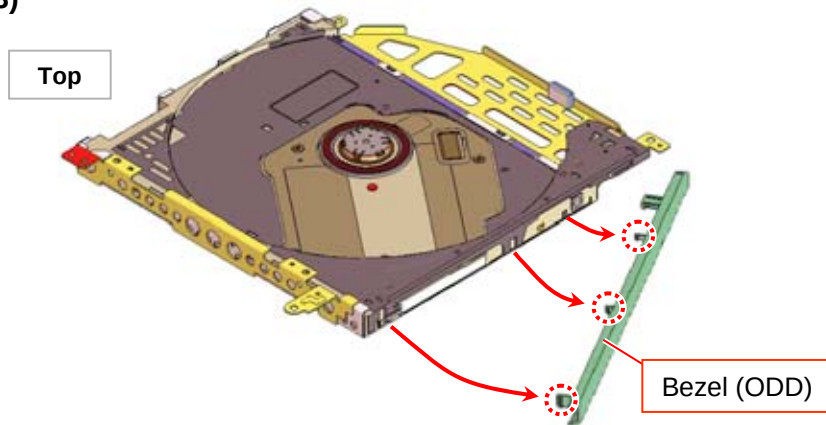
2)



Disengage the detent (one place).

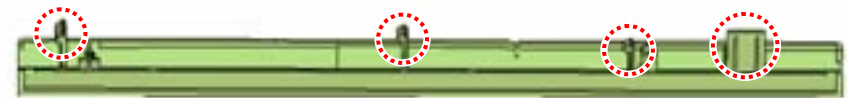
* While pushing down the detent, disengage the detent in the direction of the arrow.

3)



Disengage the detents (three places) and remove the Bezel.

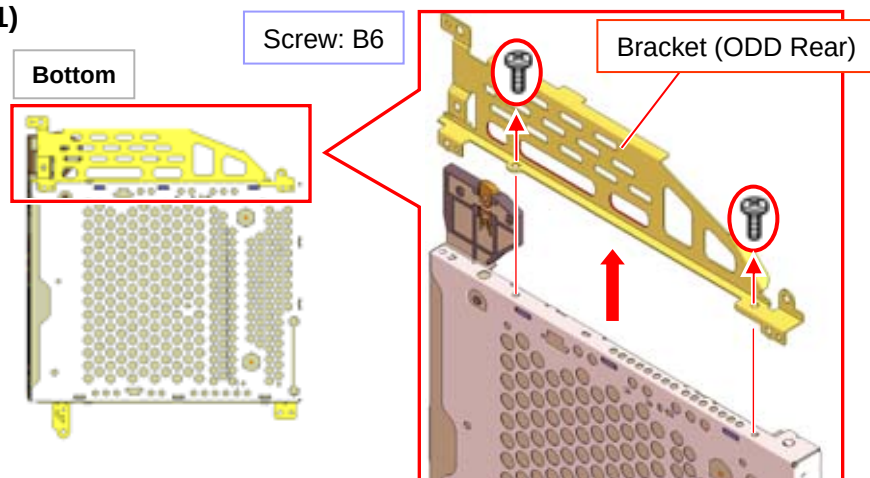
Remark



Position of Detents

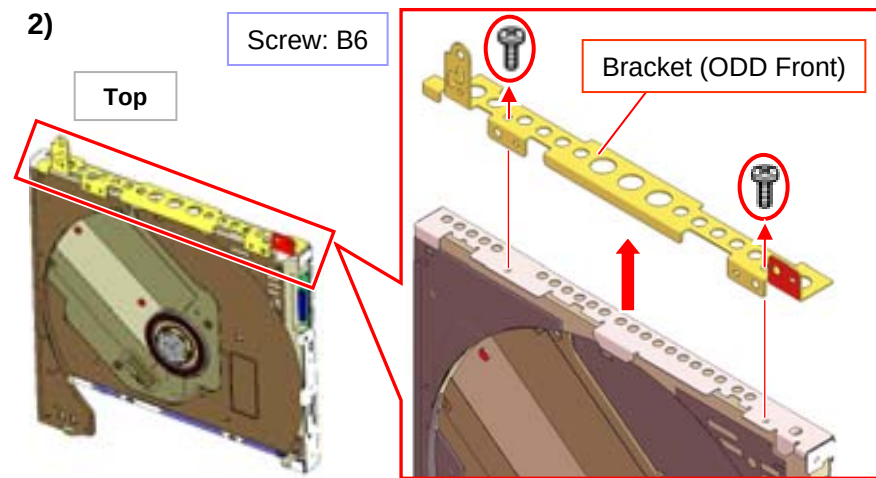
Bracket (ODD Rear), Bracket (ODD Front)

1)



Remove the two screws and remove the Bracket.

2)



Remove the two screws and remove the Bracket.

Update History

[ADD]---Addition [DEL]---Deletion [CHG]---Change [COR]---Correction [MA]---Model Addition

Date		Contents	Version No.
-	-	-	-

Chapter 1. Disassembly & Assembly Guide

1-3. Disassembly & Assembly

- Drive Block -

D-1 Drive Block Assembly

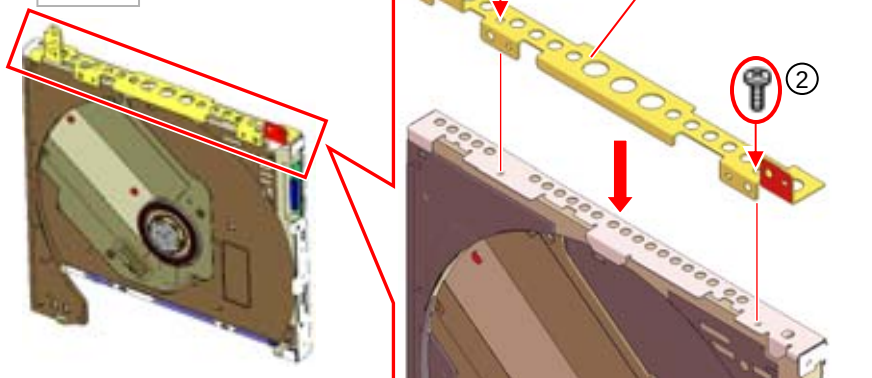
Note: For the attached articles, check the position attached to the parts before replacing, and attach them to the same position.

Bracket (ODD Front), Bracket (ODD Rear)

1)

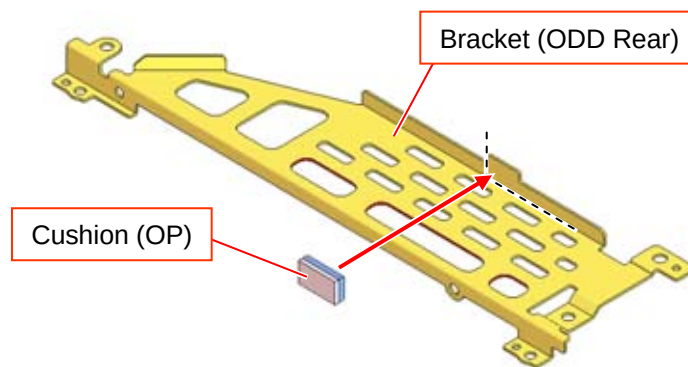
Screw: B6

Top



Install the Bracket while aligning it with the screw holes (two places) and tighten the two screws in order.

2)

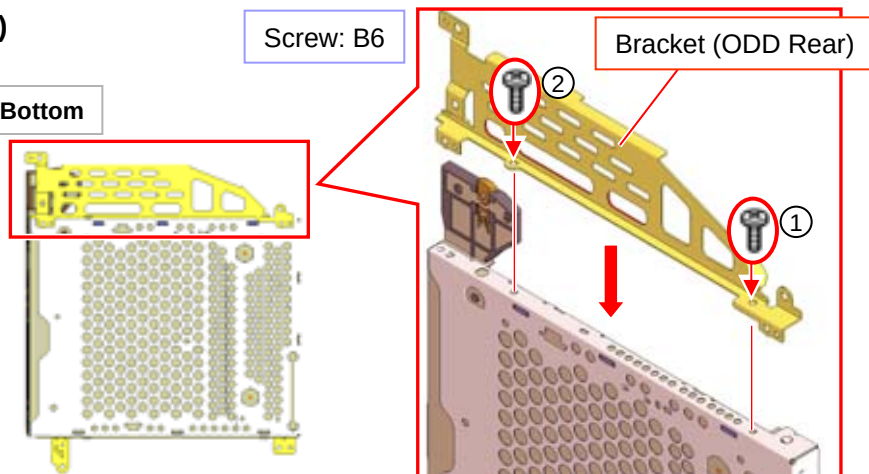


Attach the Cushion (one place).

3)

Screw: B6

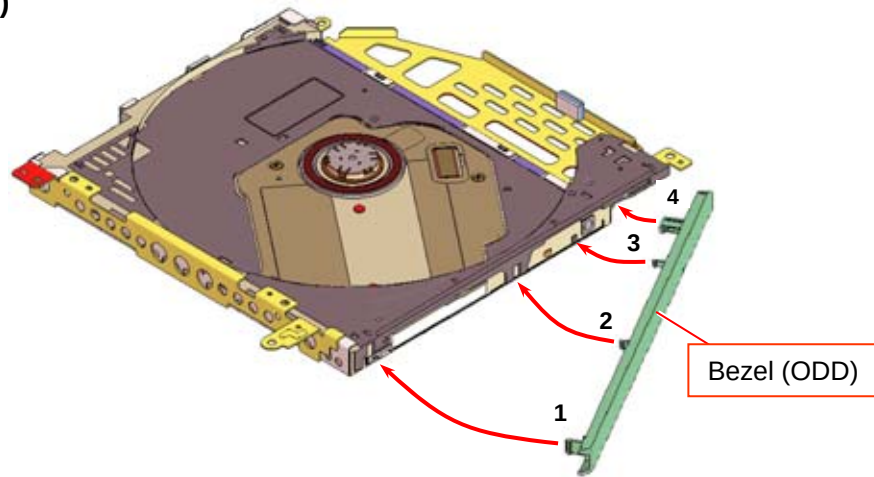
Bottom



Install the Bracket while aligning it with the screw holes (two places) and tighten the two screws in order.

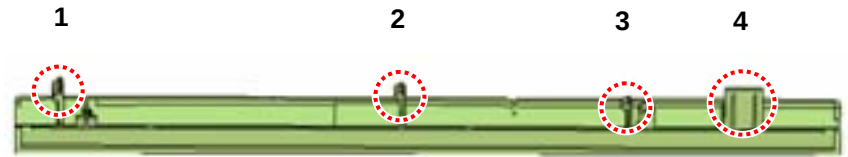
Bezel (ODD)

1)



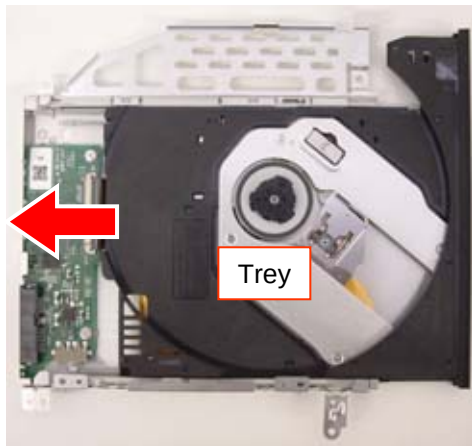
Install the Bezel while engaging the four detents.

Remark



Position of Detents

2)



Close the Trey.

Update History

[ADD]---Addition [DEL]---Deletion [CHG]---Change [COR]---Correction [MA]---Model Addition

Date		Contents	Version No.
-	-	-	-

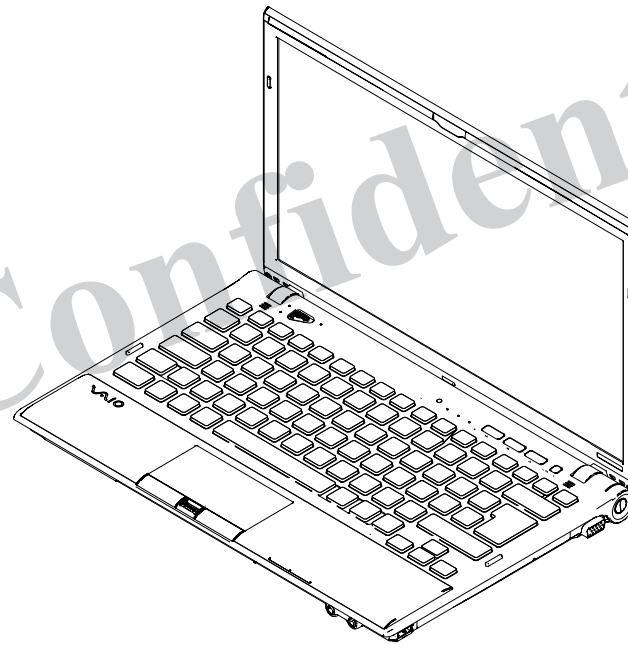
VPCZ1 Series

SERVICE MANUAL

Ver 1-2010B

Revision History

Area	Model	Lineup	Area	Model	Lineup
Japanese	Japanese	VPCZ119FJ/S	Asian/Oceania/ South Africa	International	VPCZ115GG/BI
		VPCZ111AFJ*			VPCZ116GG/B
		VPCZ111AGJ*			VPCZ117GG/X
		VPCZ111AHJ*		Korean	VPCZ115GK/BI
		VPCZ111AVJ*			VPCZ116GK/B
		VPCZ111ZHJ*			VPCZ117GK/X
American	US/Canadian	VPCZ112GD/S		Chinese	VPCZ1100C*
		VPCZ112GX/S			VPCZ115FC/B
		VPCZ114GX/S			VPCZ115FC/S
		VPCZ116GX/S			VPCZ117FC/B
		VPCZ118GX/S			VPCZ118GC/B
	Latin	VPCZ119*			VPCZ119GC/X
		VPCZ119S*		Taiwan	VPCZ115GW/BI
		VPCZ110GB/BI			VPCZ116GW/B
		VPCZ110GL/BI			VPCZ117GW/X
		VPCZ119L*		Thai	VPCZ116GH/B
European	AEP/UK	VPCZ111C5E*		UAE	VPCZ115GA/BI
		VPCZ111V9R/B			VPCZ116GA/B
		VPCZ111X9R/B	*: CTO Model		
		VPCZ111X9R/B			
		VPCZ111X9R/S			
		VPCZ111Z9R/B			
		VPCZ111Z9R/B			



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- 本機の仕様および外観は、改良のため予告なく変更することがありますが、ご了承ください。

PERSONAL COMPUTER

SONY®

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CAUTION – CLASS 3B VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO THE BEAM.

The components identified by mark  contain confidential information. Strictly follow the instructions whenever the components are repaired and/or replaced.

Caution Markings for Lithium/Ion Battery - The following or similar texts shall be provided on battery pack of equipment or in both the operating and the service instructions.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

CAUTION: The battery pack used in this device may present a fire or chemical burn hazard if mis-treated. Do not disassemble, heat above 60°C (140°F) or incinerate. Dispose of used battery promptly. Keep away from children.

- CAUTION:** Changing the back up battery.
- Overcharging, short circuiting, reverse charging, mutilation or incineration of the cells must be avoided to prevent one or more of the following occurrences; release of toxic materials, release of hydrogen and/or oxygen gas, rise in surface temperature.
 - If a cell has leaked or vented, it should be replaced immediately while avoiding to touch it without any protection.

Service and Inspection Precautions

1. Obey precautionary markings and instructions

Labels and stamps on the cabinet, chassis, and components identify areas requiring special precautions. Be sure to observe these precautions, as well as all precautions listed in the operating manual and other associated documents.

2. Use designated parts only

The set's components possess important safety characteristics, such as noncombustibility and the ability to tolerate large voltages. Be sure that replacement parts possess the same safety characteristics as the originals. Also remember that the  mark, which appears in circuit diagrams and parts lists, denotes components that have particularly important safety functions; be extra sure to use only the designated components.

3. Always follow the original design when mounting parts and routing wires

The original layout includes various safety features, such as inclusion of insulating materials (tubes and tape) and the mounting of parts above the printer board. In addition, internal wiring has been routed and clamped so as to keep it away from hot or high-voltage parts. When mounting parts or routing wires, therefore, be sure to duplicate the original layout.

4. Inspect after completing service

After servicing, inspect to make sure that all screws, components, and wiring have been returned to their original condition. Also check the area around the repair location to ensure that repair work has caused no damage, and confirm safety.

5. When replacing chip components...

Never reuse components. Also remember that the negative side of tantalum capacitors is easily damaged by heat.

6. When handling flexible print boards...

- The temperature of the soldering-iron tip should be about 270°C.
- Do not apply the tip more than three times to the same pattern.
- Handle patterns with care; never apply force.

Caution: Remember that hard disk drives are easily damaged by vibration. Always handle with care.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!
LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE  SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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VPCZ1 Series (9-852-876-XX)

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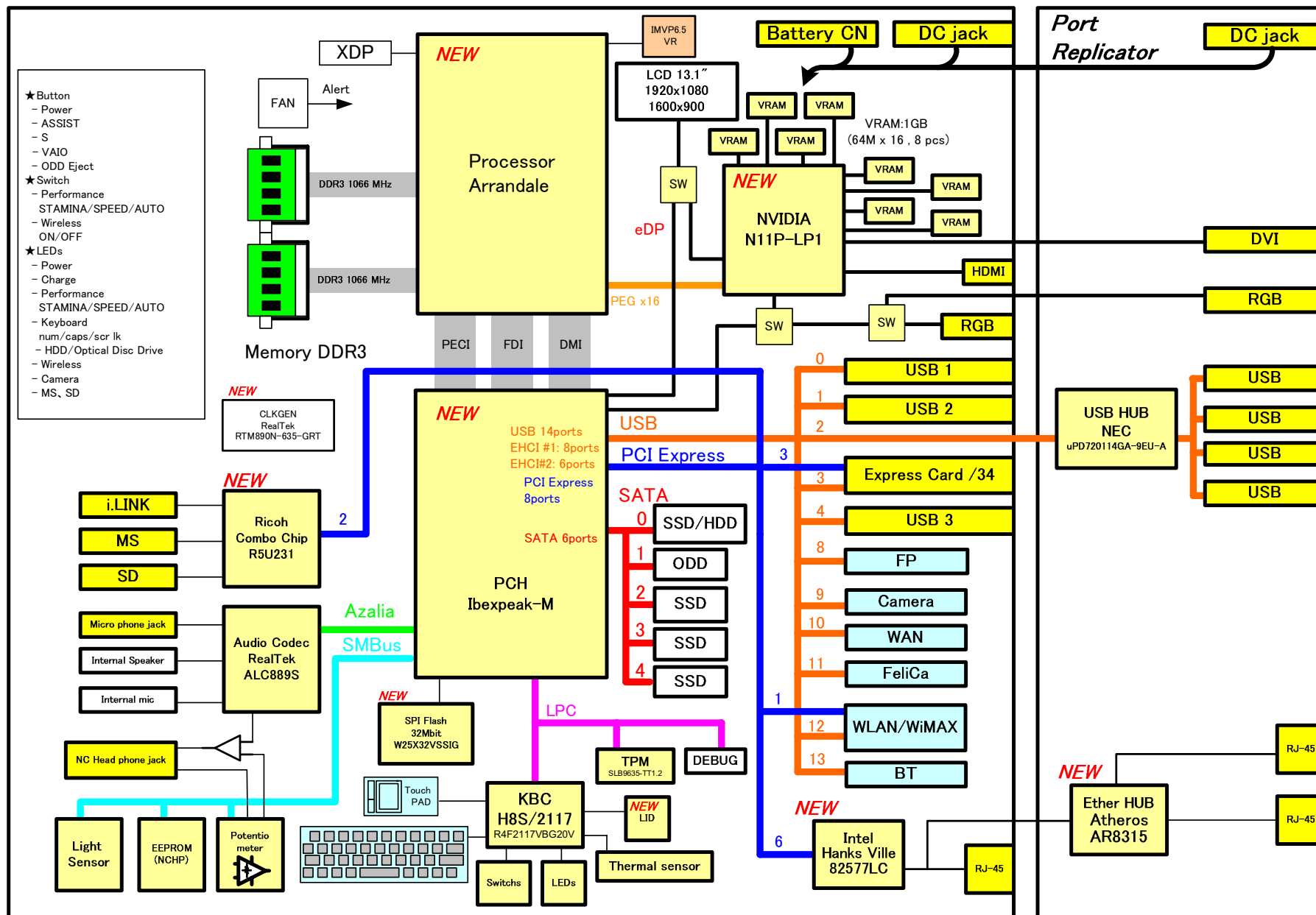
<u>Section</u>	<u>Title</u>	<u>Page</u>
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• SPECIFICATIONS are listed on Page 3-1 of "CHAPTER 3. EXPLODED VIEWS AND PARTS LIST".
 • History of the changes is shown as the "Revision History" at the end of this data.

• SPECIFICATIONSは、“CHAPTER 3. EXPLODED VIEWS AND PARTS LIST”の3-1ページに掲載されています。
 • 変更履歴は、“ Revision History ”として、本データ末に記載してあります。

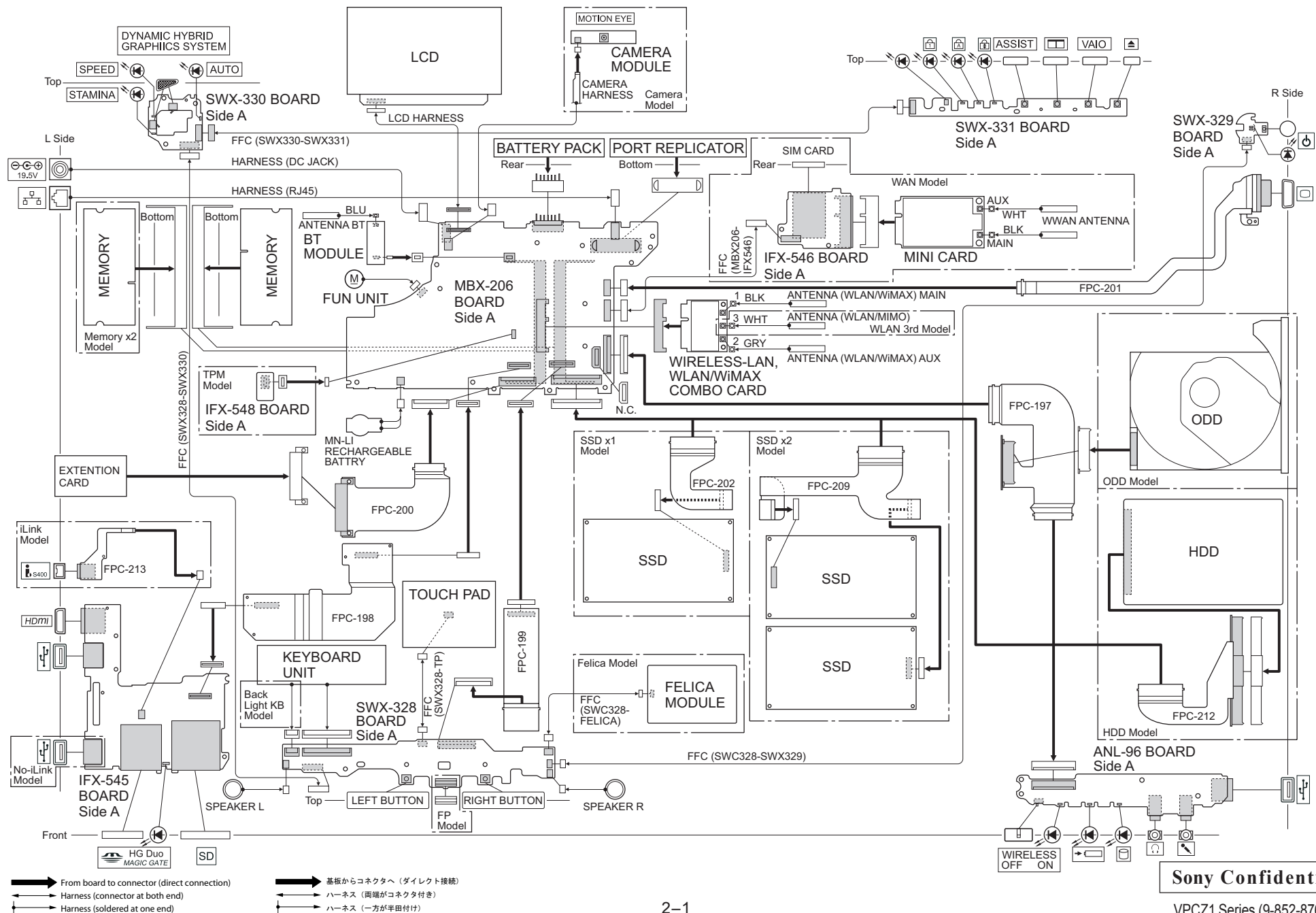
CHAPTER 1. BLOCK DIAGRAM



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VPCZ1 Series (9-852-876-XX)

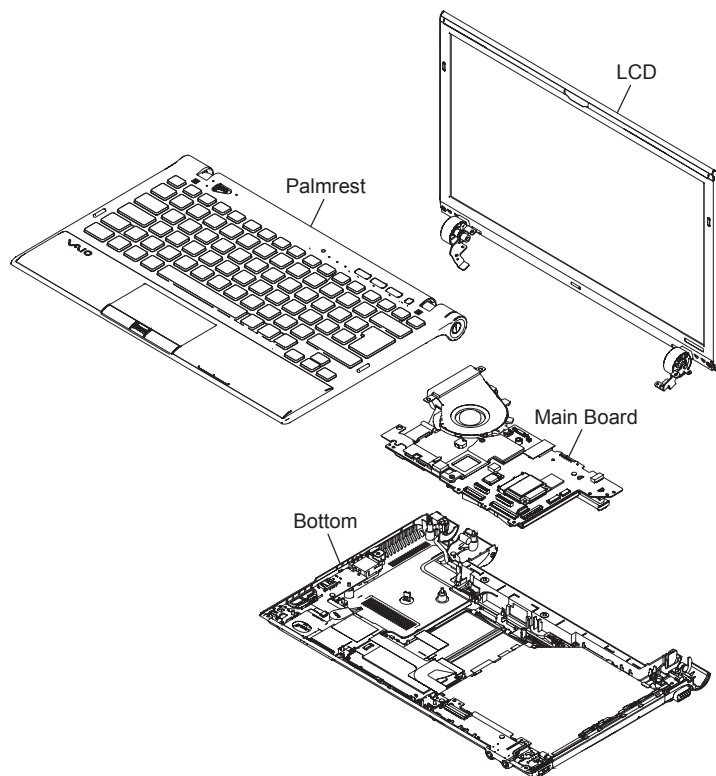
CHAPTER 2. FRAME HARNESS DIAGRAM



CHAPTER 3. EXPLODED VIEWS AND PARTS LIST

- The exploded views and parts list are compiled by blocks.
The sections are different depending on the model.
Please refer to list of contents shown.
- 分解図と部品表は、ブロックごとに分かれています。
機種によってセクションが異なりますので、詳細は一覧表を参照してください。

Section	Page
Note	3-2
Palmrest	
P-1	3-3
Main Board	
M-1	3-4
Bottom	
B-1	3-5
LCD	
L-1	3-6
Accessories	
A-1	3-7



- Double-click on the paper clip mark in the Spec column to open the specifications list.
- Spec欄のクリップマークをダブルクリックすると、スペック表が開きます。
- To open the specifications list, Microsoft office Excel or Excel viewer is required.
- スペック表を開くためには Microsoft Office Excel または Excel ビューワーが必要です。

		Palmrest	Main Board	Bottom	LCD	Accessories	Spec
J	Z119FJ/S	P-1	M-1	B-1	L-1	A-1	
	Z11AFJ*	P-1	M-1	B-1	L-1	A-1	
	Z11AGJ*	P-1	M-1	B-1	L-1	A-1	
	Z11AVJ*	P-1	M-1	B-1	L-1	A-1	
	Z11AHJ*	P-1	M-1	B-1	L-1	A-1	
	Z11ZHJ*	P-1	M-1	B-1	L-1	A-1	
AM	Z118GX/S	P-1	M-1	B-1	L-1	A-1	
	Z116GX/S	P-1	M-1	B-1	L-1	A-1	
	Z114GX/S	P-1	M-1	B-1	L-1	A-1	
	Z112GX/S	P-1	M-1	B-1	L-1	A-1	
	Z112GD/S	P-1	M-1	B-1	L-1	A-1	
	Z119*	P-1	M-1	B-1	L-1	A-1	
	Z119S*	P-1	M-1	B-1	L-1	A-1	
	Z110GL/BI	P-1	M-1	B-1	L-1	A-1	
	Z110GB/BI	P-1	M-1	B-1	L-1	A-1	
EU	Z119L*	P-1	M-1	B-1	L-1	A-1	
	Z11Z9E/B	P-1	M-1	B-1	L-1	A-1	
	Z11X9E/B	P-1	M-1	B-1	L-1	A-1	
	Z11Z9R/B	P-1	M-1	B-1	L-1	A-1	
	Z11X9R/B	P-1	M-1	B-1	L-1	A-1	
	Z11X9R/S	P-1	M-1	B-1	L-1	A-1	
	Z11V9R/B	P-1	M-1	B-1	L-1	A-1	
AO	Z11C5E*	P-1	M-1	B-1	L-1	A-1	
	Z117GG/X	P-1	M-1	B-1	L-1	A-1	
	Z117GW/X	P-1	M-1	B-1	L-1	A-1	
	Z117GK/X	P-1	M-1	B-1	L-1	A-1	
	Z116GG/B	P-1	M-1	B-1	L-1	A-1	
	Z116GH/B	P-1	M-1	B-1	L-1	A-1	
	Z116GA/B	P-1	M-1	B-1	L-1	A-1	
	Z116GW/B	P-1	M-1	B-1	L-1	A-1	
	Z116GK/B	P-1	M-1	B-1	L-1	A-1	
	Z115GG/BI	P-1	M-1	B-1	L-1	A-1	
	Z115GA/BI	P-1	M-1	B-1	L-1	A-1	
	Z115GW/BI	P-1	M-1	B-1	L-1	A-1	
	Z115GK/BI	P-1	M-1	B-1	L-1	A-1	
	Z119GC/X	P-1	M-1	B-1	L-1	A-1	
	Z118GC/B	P-1	M-1	B-1	L-1	A-1	
	Z117FC/B	P-1	M-1	B-1	L-1	A-1	
	Z115FC/B	P-1	M-1	B-1	L-1	A-1	
	Z115FC/S	P-1	M-1	B-1	L-1	A-1	
	Z1100C*	P-1	M-1	B-1	L-1	A-1	

*: CTO Model

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Note

- Parts List is attached on the upper right portion of each EXPLODED VIEW.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The parts marked “\$” are the Reuse Parts.
- The parts marked with “&” indicates specific parts handling for Japan region. Disregard “&” marking for other than Japan region.
- Color after discription in [] shows color variation name of the main body.
- The model that is accompanied asterisk (*) is the CTO model.
- Description of [***MBx2], [***MB], [***GBx2], [***GB]...indicates the following.
MB/GB: size of the part
x2: installed quantity at original production
- Be sure to use the parts marked with ●/□x together with the parts with the same number.
- When replacing the HDD of RAID setting, please exchange to the same HDD that was installed.

Basically, the parts marked “●” should be used for service.
The parts marked “□” in the parts list are substitution parts.
If the part marked “●” is not available, you can order the parts marked “□”, but it may not be stocked.

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by mark ㊦ contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

- 部品表は、各分解図の右上部に添付されています。
- *印の部品は常備在庫しておりません。
- 部品名称の前に\$印のついた部品は、Reuse Partsです。
- 部品名称の前に&印のついた部品は、お客様でも交換可能なCustomer Replacable Parts (CRP)であり、販売可能です。
特に<>印のついた部品は、使い分けが必要な部品ですので、必ず分解図で対象部品をご確認ください。
- 部品名称の後に[]で色が示されている場合、Bodyのカラーバリエーション名称を表わしています。
- 機種名に(*)がつくものはCTOモデルです。
- 部品名の[***MBx2], [***MB], [***GBx2], [***GB] 等々は以下を表わしています。
MB/GB: この部品の容量
x2: 出荷時に搭載されている員数
- x/□xになっている部品は、同じ数字どうしで必ず一緒に使用してください。
- RAID設定のHDDを交換する際は、搭載されていたHDDと同じものに交換してください。

部品表中“□”のついた部品は、代替部品です。基本は●印の部品を使用してください。
●印の部品が無い場合は、□印の部品をオーダーすることも可能ですが、在庫されていない場合があります。

△印の部品、または△印付きの点線で囲まれた部品は、安全性を維持するために重要な部品です。従って交換時は、必ず指定の部品を使用してください。

㊦印の部品には、秘密情報が含まれています。修理の際は、指示に従った対応を行ってください。

- If there is the Remarks column in the parts list, the features of applicable models are indicated in it for the parts that are different depending on each model.
For the abbreviations used in the remarks column, please refer to the <table 1>.
- 部品表にRemarks欄がある場合、使い分けが生じる部品について、判別の目安となる対応モデルの特徴を示しています。
記述の省略方法については<table 1>を参照ください。

<table 1>

Full-Name	Short-Name
Bluetooth	BT
Felica	Felica
Wireless WAN	WAN
Wireless LAN	WLAN
1seg Tuner	1seg
Finger Print Sensor	FP
Security Chip	TPM
Flash Memory	SSD
Camera	Camera

- If "No-" is described on the left side of the Short-Name, it means 'not equipped'.
Example: "No-BT" "No-Felica" etc.
- When several descriptions are listed, each description is separated with “, (comma)” or “or”. "Comma" means plus.
Example.1: The parts for the model equipped with BT and Felica and WLAN → BT, Felica, WLAN
Example.2: The parts for the model equipped with BT or Felica → BT or Felica
- If the color is in the remarks column, it indicates the color of parts itself.

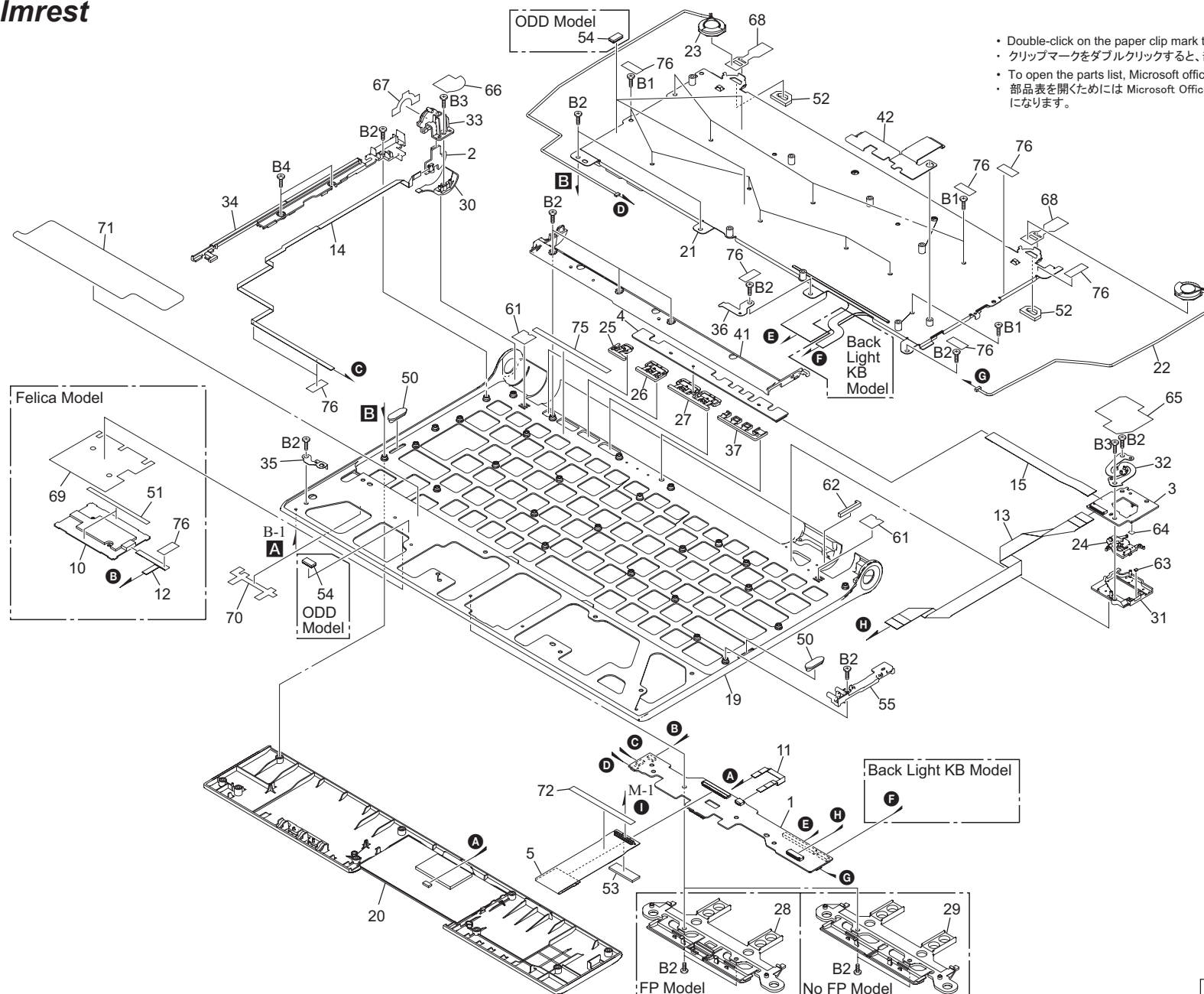
- 「無し」を表現する場合には、Short-Nameの左に「No-」とつけます。
例)「No-BT」「No-Felica」など
- 注記を複数記載する際には「, (カンマ)」又は「or」で区切ります。「, (カンマ)」はプラスという意味として使います。
例1) BTとFelicaとWLANが搭載されたモデルにつく部品 → BT, Felica, WLAN
例2) BT搭載モデル又はFelica搭載モデルにつく部品 → BT or Felica
- 色表記の場合、該当の部品自体の色を示します。

P-1. Palmrest

Parts List

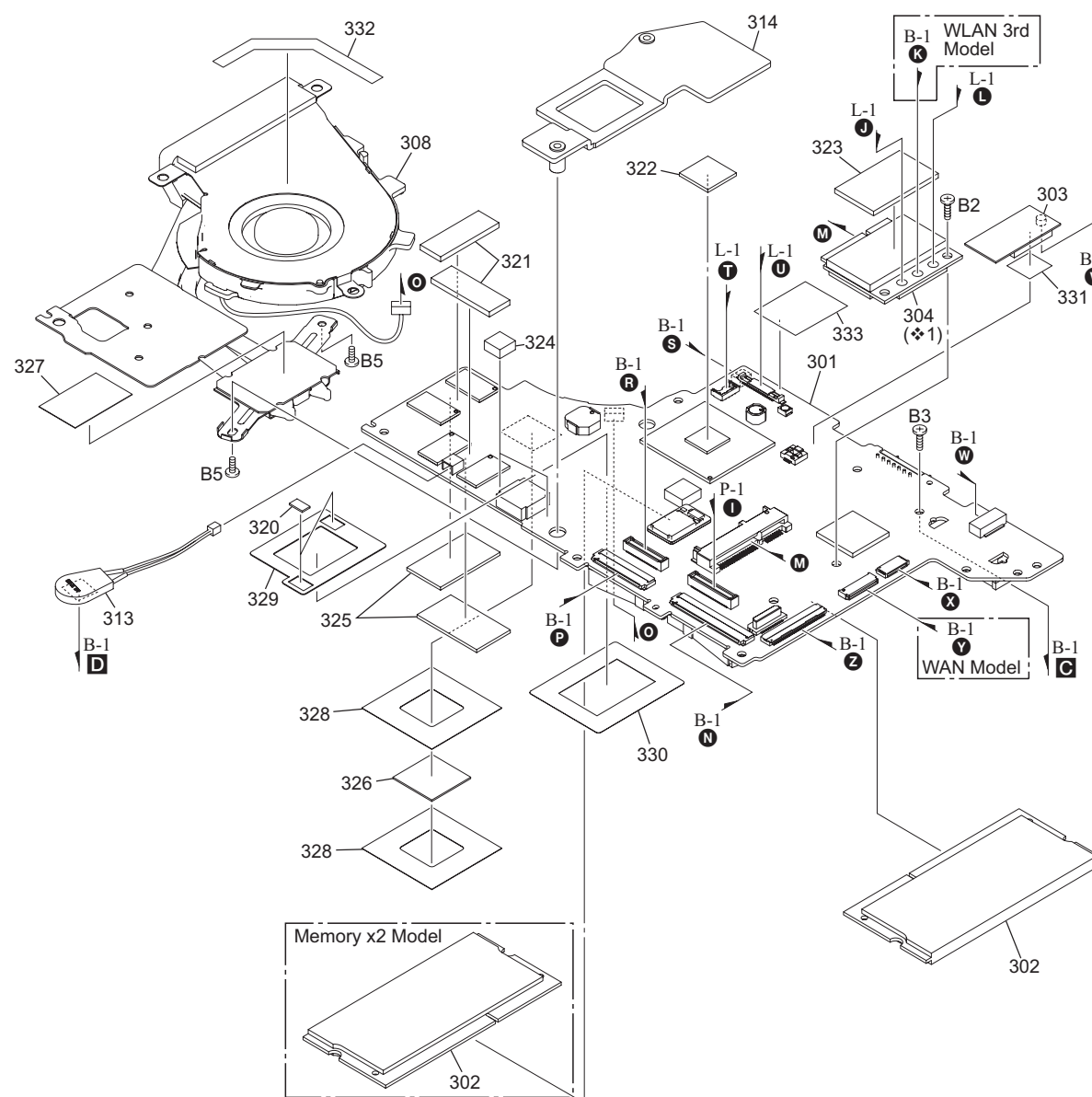


- Double-click on the paper clip mark to open the parts list.
- クリップマークをダブルクリックすると、部品表が開きます。
- To open the parts list, Microsoft office Excel or Excel viewer is required.
- 部品表を開くためには Microsoft Office Excel または Excel ビューワーが必要です。



M-1. Main Board

Parts List

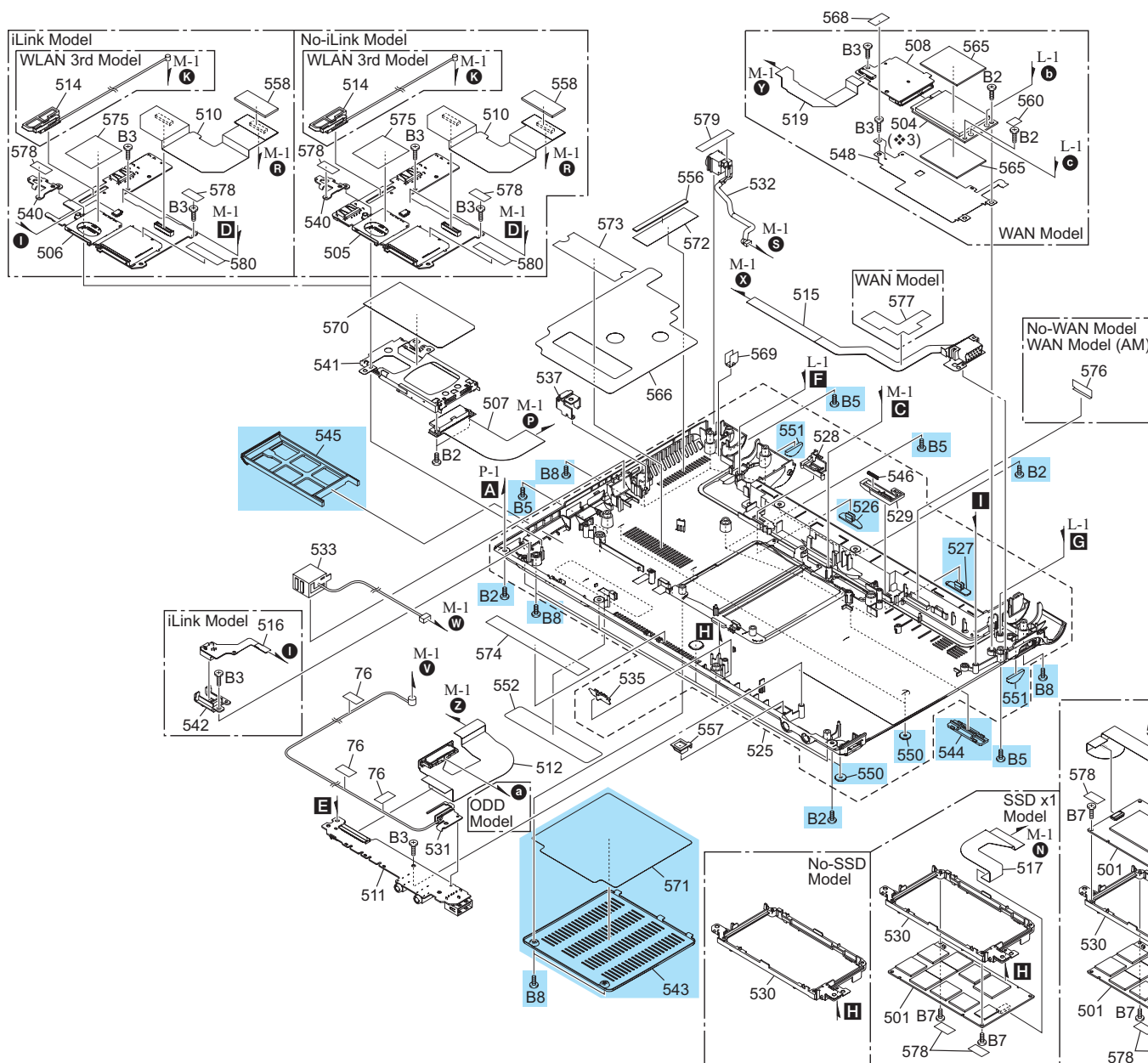


- Double-click on the paper clip mark to open the parts list.
- クリップマークをダブルクリックすると、部品表が開きます。
- To open the parts list, Microsoft office Excel or Excel viewer is required.
- 部品表を開くためには Microsoft Office Excel または Excel ビューワーが必要になります。

- ❖ 1) When replacing the WiMAX board (Ref. 304), be sure to refer to “4-3. Note for WAN Board Replacement”.
- ❖ 1) WiMAX基板 (Ref. 304)を交換する際には、必ず「4-3. WiMAX 基板交換時の注意」を参照してください。

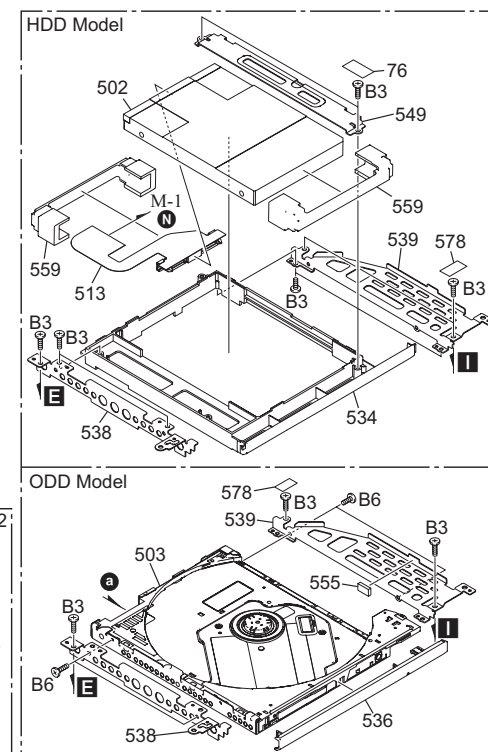
B-1. Bottom

Parts List



- Double-click on the paper clip mark to open the parts list.
- クリップマークをダブルクリックすると、部品表が開きます。
- To open the parts list, Microsoft office Excel or Excel viewer is required.
- 部品表を開くためには Microsoft Office Excel または Excel ビューワーが必要になります。

- ❖3) When replacing the WAN board (Ref. 504), be sure to refer to “4-2. Note for WAN Board Replacement”.
- ❖3) WAN基板 (Ref. 504)を交換する際には、必ず「4-2. WAN基板交換時の注意」を参照してください。



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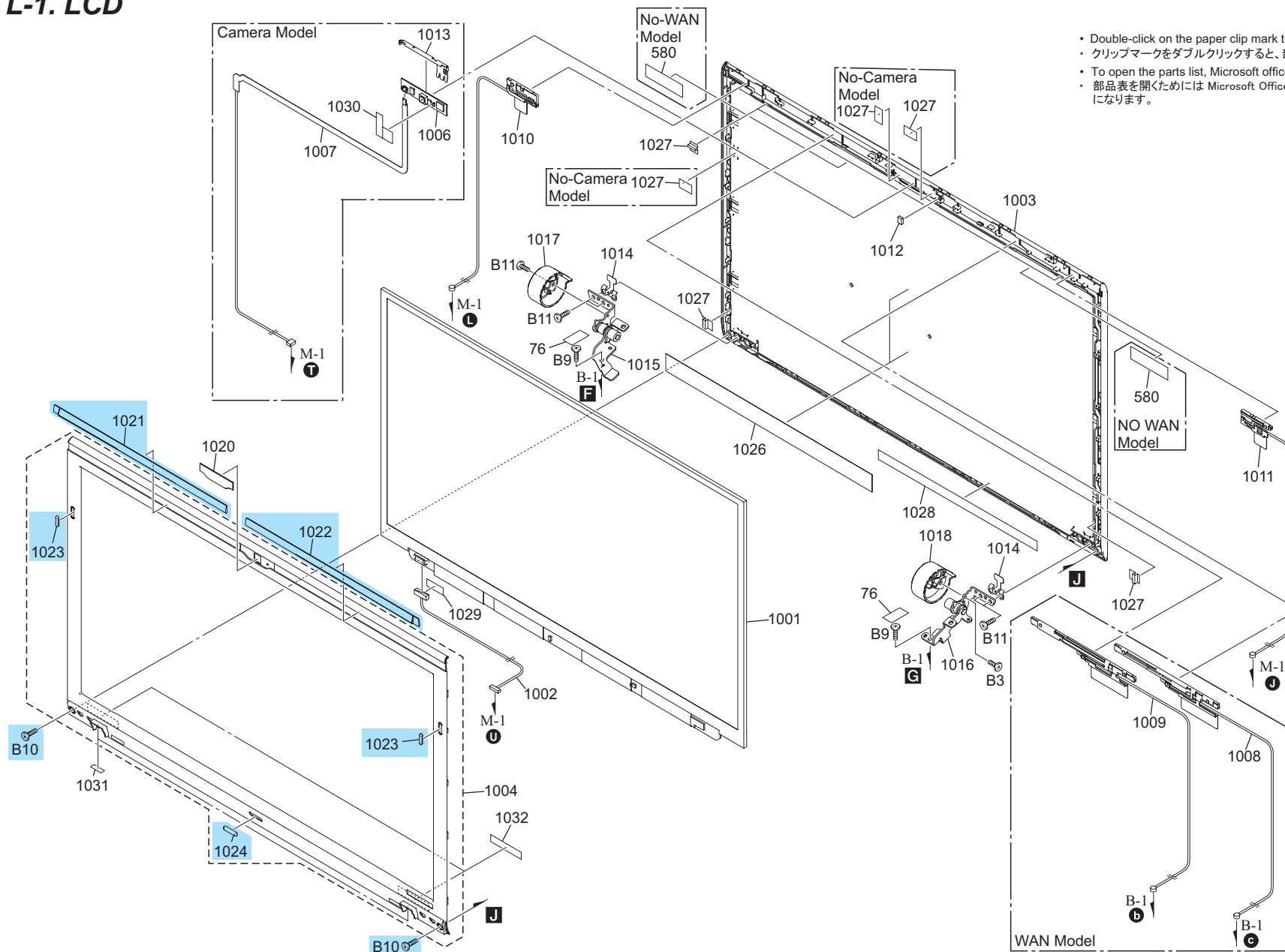
VPCZ1 Series (9-852-876-XX)

L-1. LCD

Parts List



- Double-click on the paper clip mark to open the parts list.
- クリップマークをダブルクリックすると、部品表が開きます。
- To open the parts list, Microsoft office Excel or Excel viewer is required.
- 部品表を開くためには Microsoft Office Excel または Excel ビューワーが必要です。



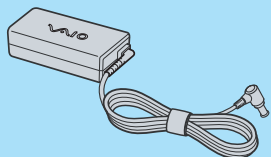
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A-1. Accessories

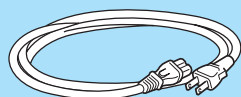
Parts List

- Double-click on the paper clip mark to open the parts list.
- クリップマークをダブルクリックすると、部品表が開きます。
- To open the parts list, Microsoft office Excel or Excel viewer is required.
- 部品表を開くためには Microsoft Office Excel または Excel ビューワーが必要です。

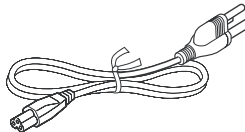
2001
AC Adaptor



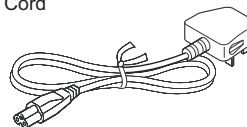
2005
Power Cord



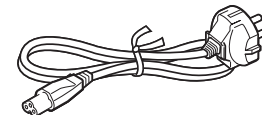
2010
Power Cord Set



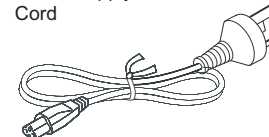
2014
Power-supply
Cord



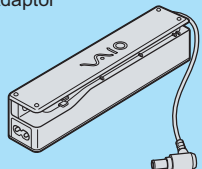
2018
Power-supply
Cord



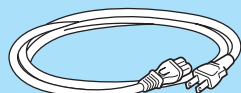
2023
Power-supply
Cord



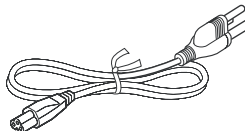
2002
AC Adaptor



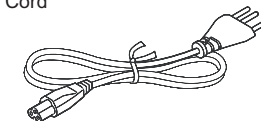
2007
Power Cord



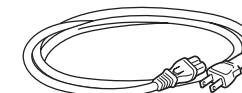
2011
Power Cord Set



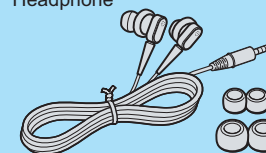
2015
Power-supply
Cord



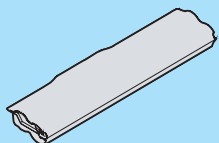
2020
Power Cord Set



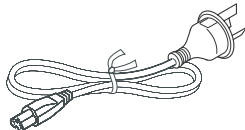
2025
Headphone



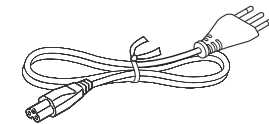
2003
Battery



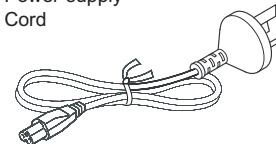
2008
Power Cord Set



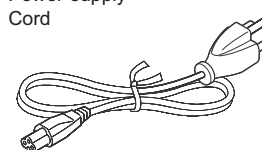
2012
Power Cord Set



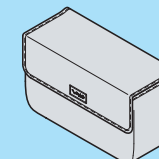
2016
Power-supply
Cord



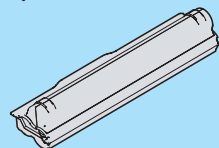
2021
Power-supply
Cord



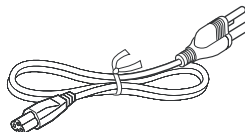
2027
Carrying Pouch



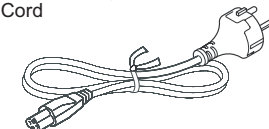
2004
Battery



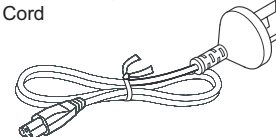
2009
Power Cord Set



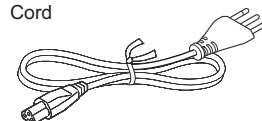
2013
Power-supply
Cord



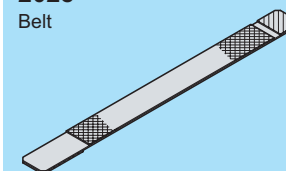
2017
Power-supply
Cord



2022
Power-supply
Cord



2028
Belt



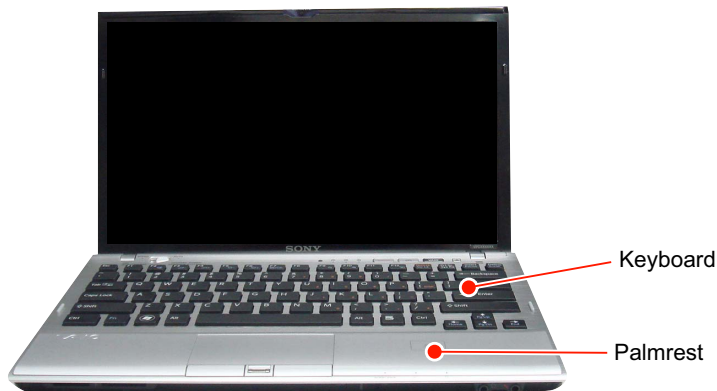
CHAPTER 4. OTHERS

4-1. Precautions for Handling the Drive

In performing a repair, observe the following precautions.

修理の際には以下の注意事項を厳守してください。

- ① Do not turn the power switch on until the palmrest and the keyboard are installed completely.
- ① パームレストやキーボードを完全に取り付けるまでは電源を入れないでください。
- ② If the power switch is to be turned on with the set in disassembled state, be sure to load a dummy disc in the drive.
- ② 分解した状態で電源を入れる必要がある場合には“必ず” ダミーのディスクをドライブにセットしておいてください。



- ③ If the power switch is to be turned on with the set in disassembled state for checking the drive condition, be sure to turn the power switch on with the tray drawn out.
- ③ 分解した状態で電源を入れ、ドライブの状態を確認する必要がある場合には“必ず”トレイを引き出した状態で電源を入れてください。

Tray drawn-out state
トレイが引き出された状態



Sony Confidential

VPCZ1 Series (9-852-876-XX)

4-2. Note for WAN Board Replacement

4-2. WAN基板交換時の注意

When replacing the WAN Board (Ref. 504 1-458-165-21), change the barcode label on the bottom.

WAN 基板 (Ref. 504 1-458-165-21) を交換した際には、ボトムのパークードラベルの貼り替え作業を行ってください。

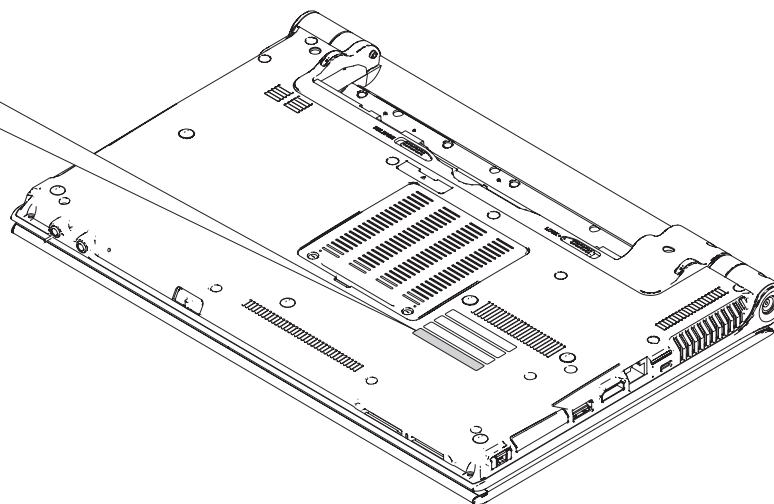
- ① Peel off the barcode label which is attached to the bottom. (Refer to the figure below.)
- ① ボトムに貼られているパークードラベルをはがします。(下図参照)

Ref. 504

1-458-165-21 FOX MINI CARD



IMEI : XXXXXXXXXXXXXXXX



- ② Attach the barcode label which is included with the WAN Board to the position where you peeled off the label in the step ① .
- ② WAN 基板に同梱されているパークードラベルを①ではがした位置に貼ってください。

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VPCZ1 Series (9-852-876-XX)

4-3. Note for WiMAX Board Replacement

4-3. WiMAX基板交換時の注意

When replacing the WiMAX Board (Ref. 304 A-1769-477-A, A-1769-478-A) change the barcode label on the bottom.

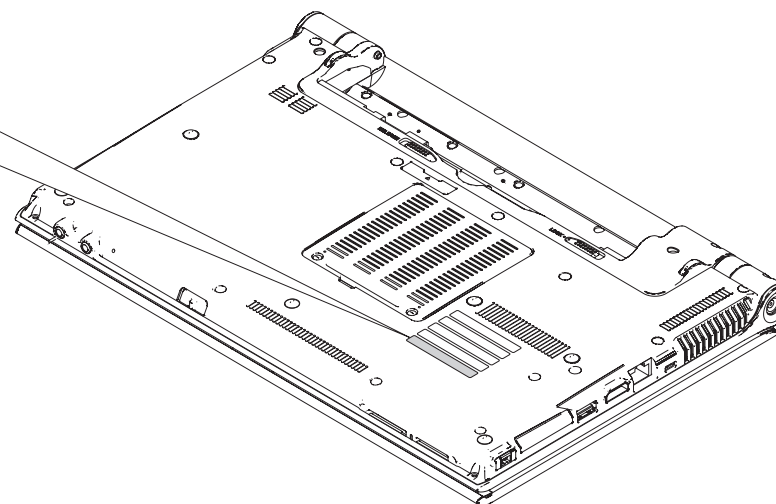
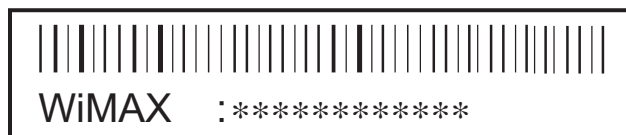
WiMAX基板 (Ref. 304 A-1769-477-A, A-1769-478-A)を交換した際には、ボトムのパークードラベルの貼り替え作業を行ってください。

① Peel off the barcode label which is attached to the bottom. (Refer to the figure below.)

① ボトムに貼られているパークードラベルをはがします。(下図参照)

Ref. 304

A-1769-477-A, A-1769-478-A CARD, WLAN/WiMAX COMBO CARD



② Attach the barcode label which is included with the WiMAX Board to the position where you peeled off the label in the step ①.

② WiMAX 基板に同梱されているパークードラベルを①ではがした位置に貼ってください。

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Revision History

Suffix	Ver.	Date	Contents	QM No.
-01	Ver. 1	2010.02.24	First Edition	-
<Remarks>				