Chapter 1. Disassembly & Assembly Guide

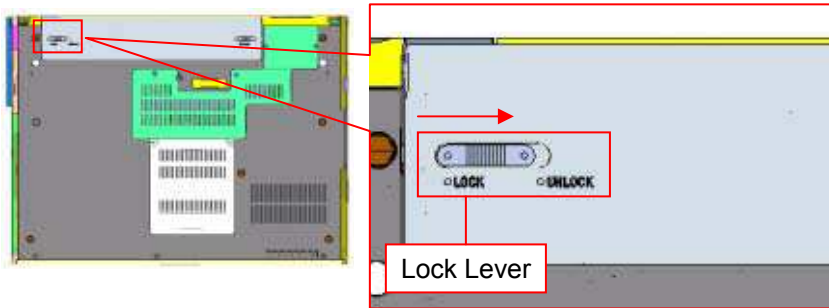**1-3. Disassembly & Assembly**

- Main Section -

MS-1 Main Section Disassembly

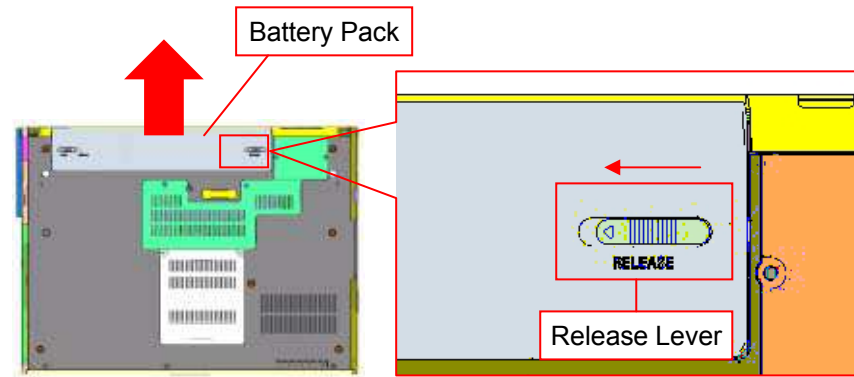# Battery Pack, Dummy Card (EXP), Dummy Card (PC)

1)
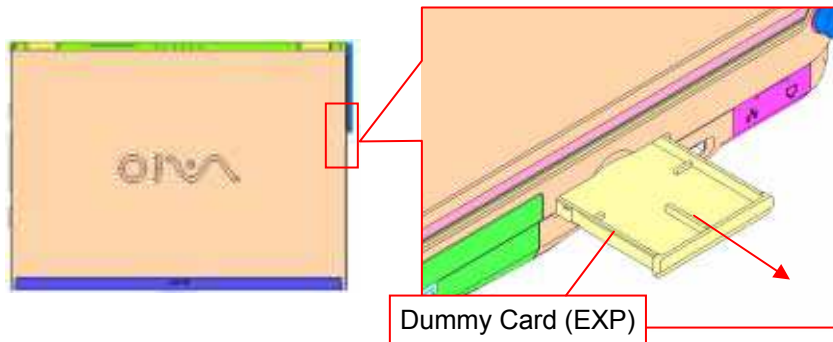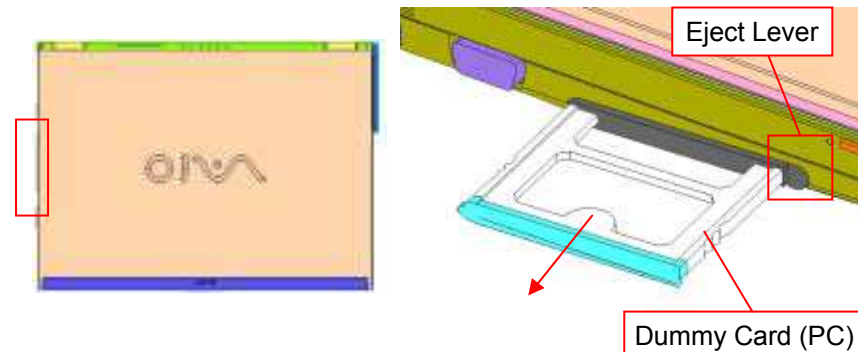
Lock Lever

Slide the Lock Lever to the UNLOCK side.

2)

Battery Pack

Release Lever

While Release Lever is slid in the left, remove the Battery Pack.

3)

Dummy Card (EXP)

Hook the finger on the Dummy Card (EXP) and remove it.
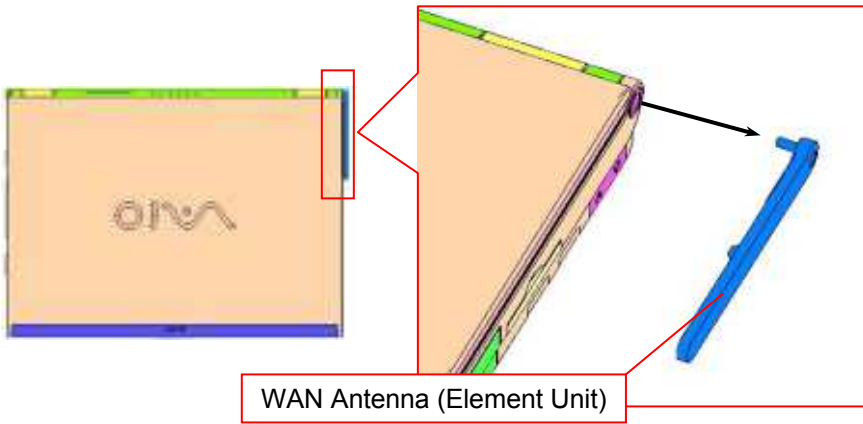
4)

Eject Lever

Dummy Card (PC)

Push the Eject Lever once, and the Eject Lever pops up. Push
the Eject Lever once again, and remove the Dummy Card (PC).

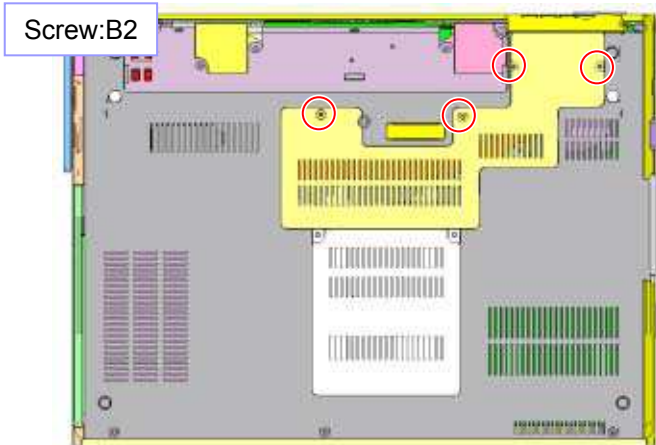*SZ Series*

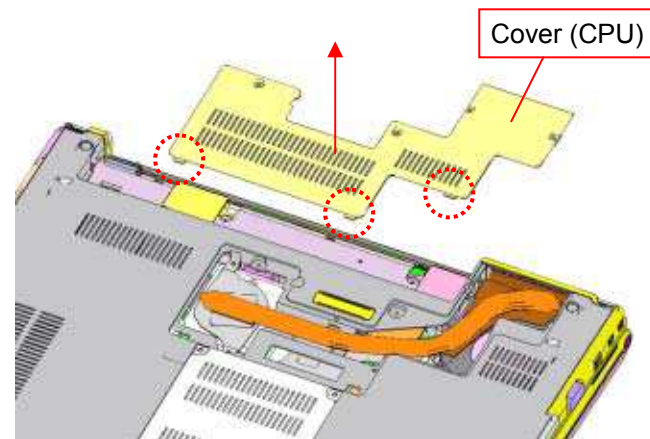# WAN Antenna (Element Unit)   *WAN Model*
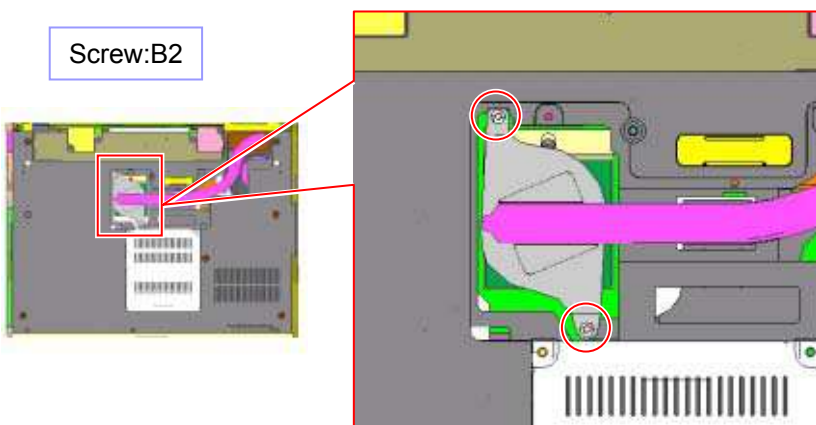
1)

WAN Antenna (Element Unit)

Remove the WAN Antenna (Element Unit).

Heatsink

1)

Screw:B2

Remove the four screws.

2)

Cover (CPU)

While disengaging the detent (three places), remove the Cover (CPU).

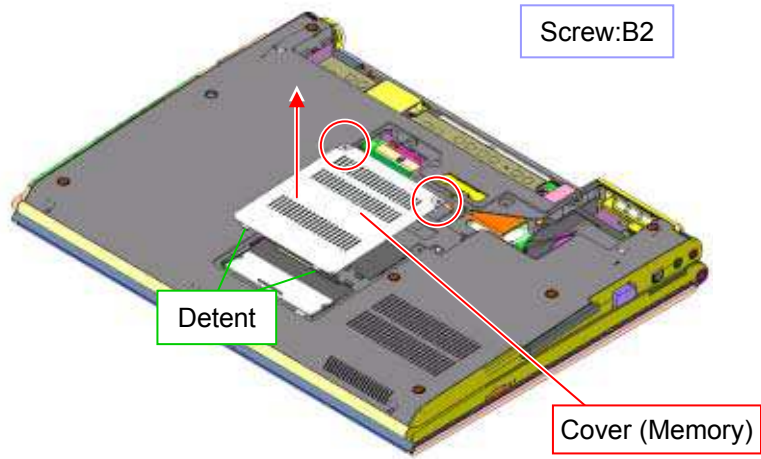**3)**

Screw:B2

Remove the two screws.

4)

Heatsink

A

1

2
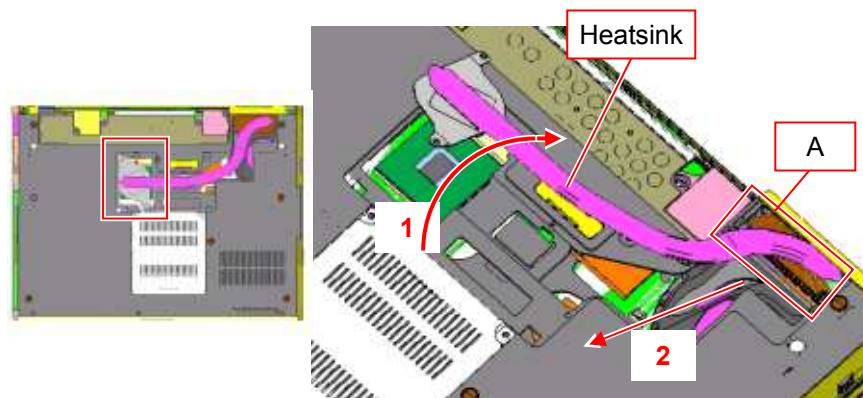
Raise the Heatsink in the direction of the arrow1, and remove the Heatsink while removing the A portion diagonally upward (arrow2).

SZ Series
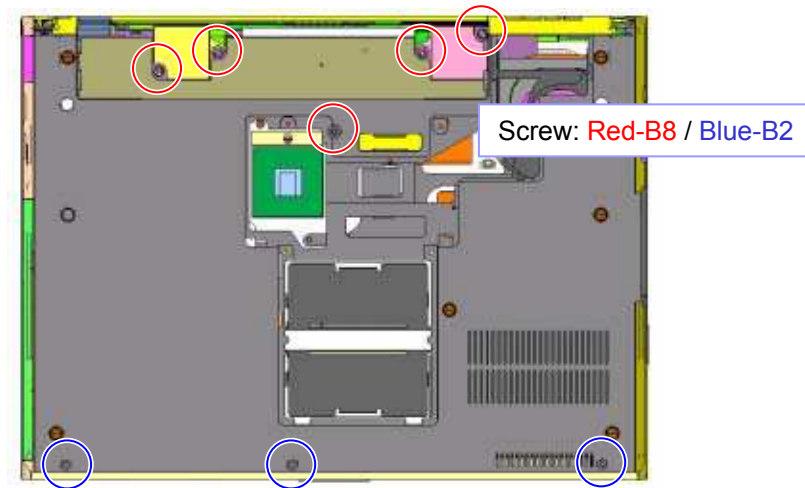
Cover (Memory)

1)

Screw:B2

Detent

Cover (Memory)

Remove the two screws, and remove the Cover (Memory) while disengaging the detent (two places).
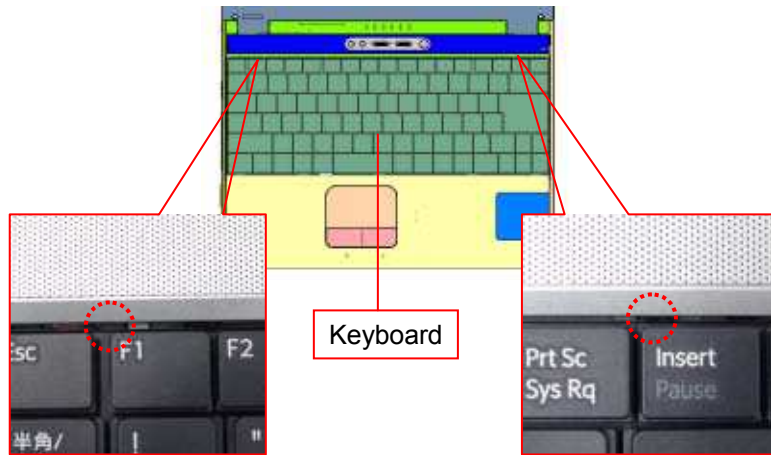
2)

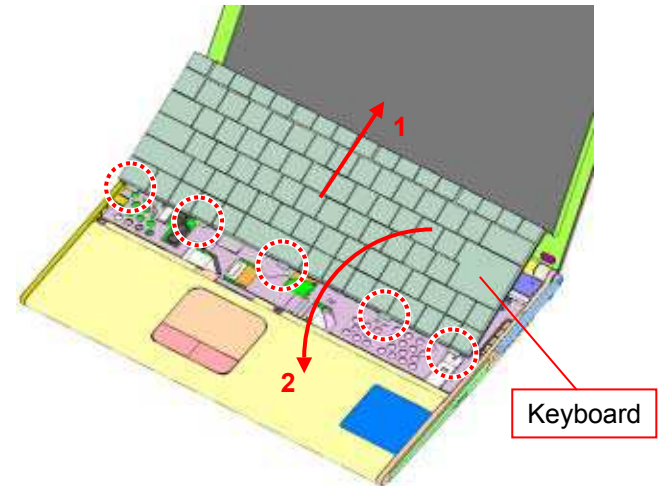Screw: Red-B8 / Blue-B2
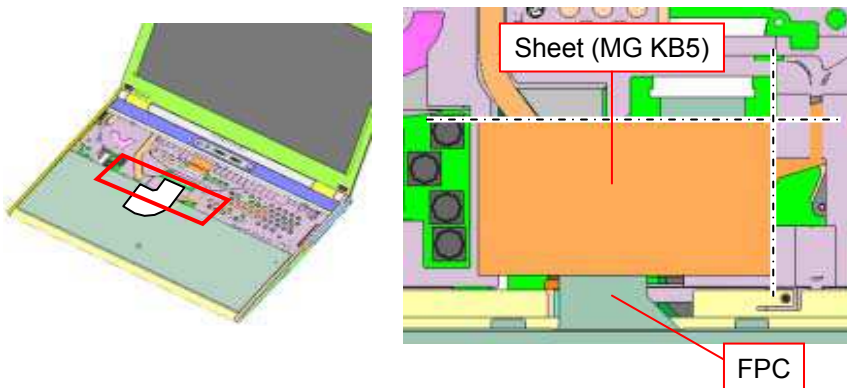
Remove the eight screws.

Keyboard

1)

Keyboard

Disengage the detent (two places), and release the Keyboard.
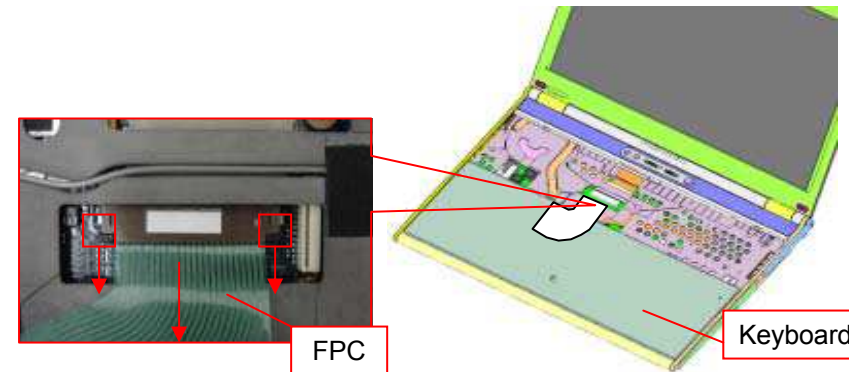* Disengage the detent by pushing it by using a bamboo spatula.

2)

Keyboard

Slide the Keyboard in the direction of the arrow 1 to release the detent
(five places), and turn it toward you and put it on the Plamrest.

3)

Sheet (MG KB5)

FPC

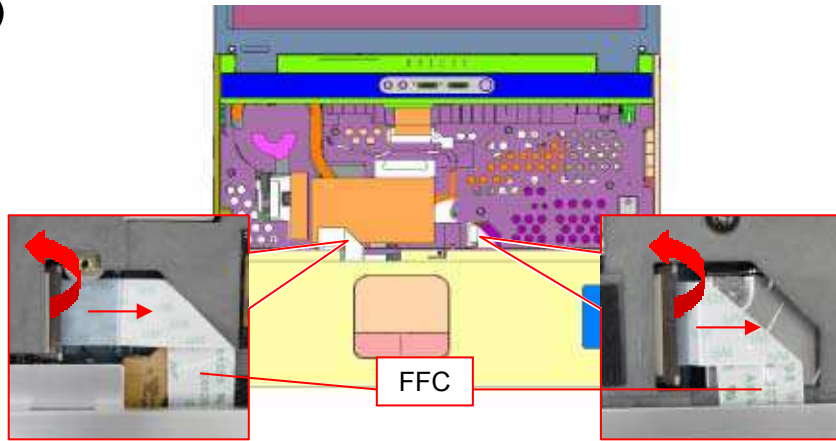Peel off the Sheet (MG KB5).

4)

FPC

Keyboard

Slide the lock lever in the direction of the arrow to release the lock,
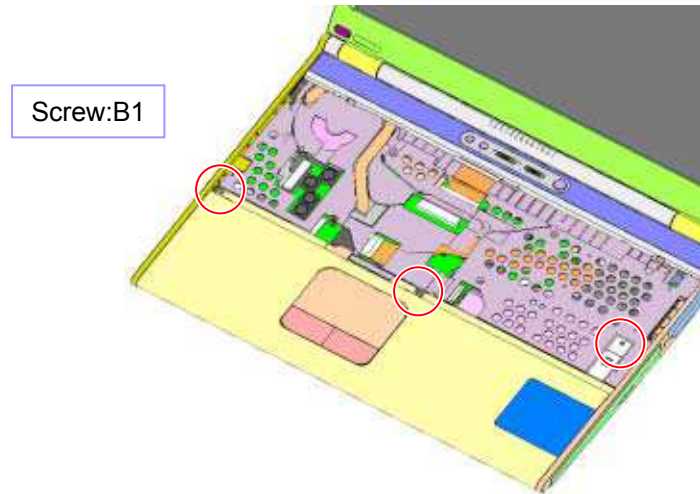disconnect the FPC, and then remove the Keyboard.
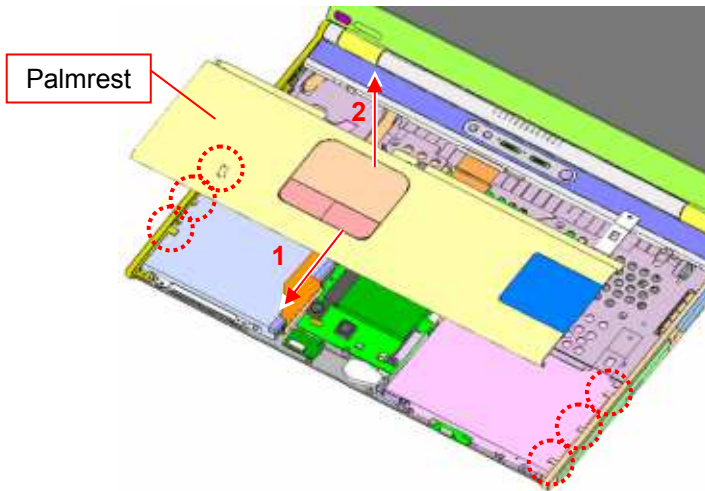
SZ Series

Palmrest

1)

Raise the lock lever to release the lock, and disconnect the FFC (two places).

2)

Screw:B1

Remove the three screws.

3)

Palmrest
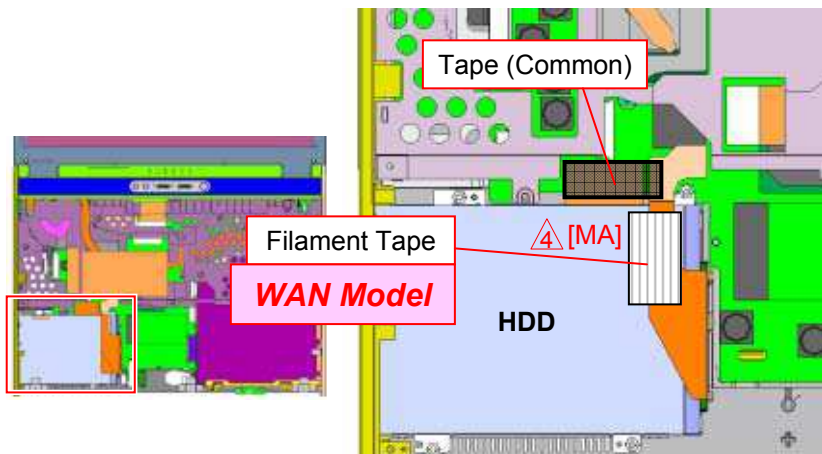

Disengage the detent (six places) by sliding the Palmrest in the direction of the arrow1, and remove the Palmrest vertically upward.

HDD

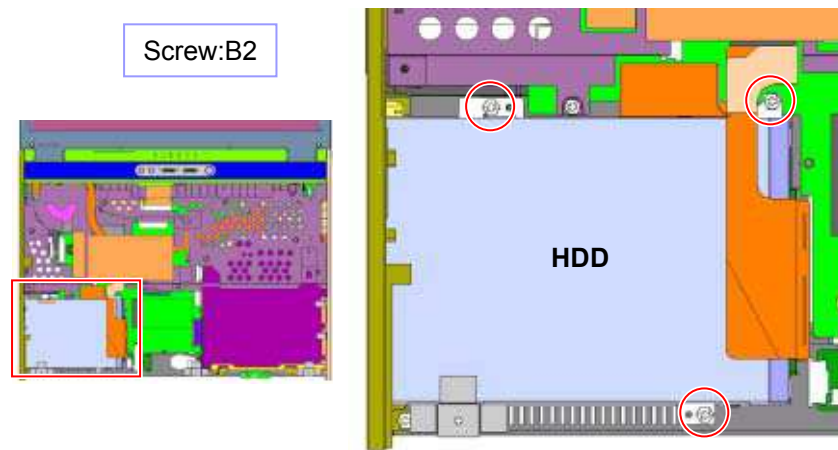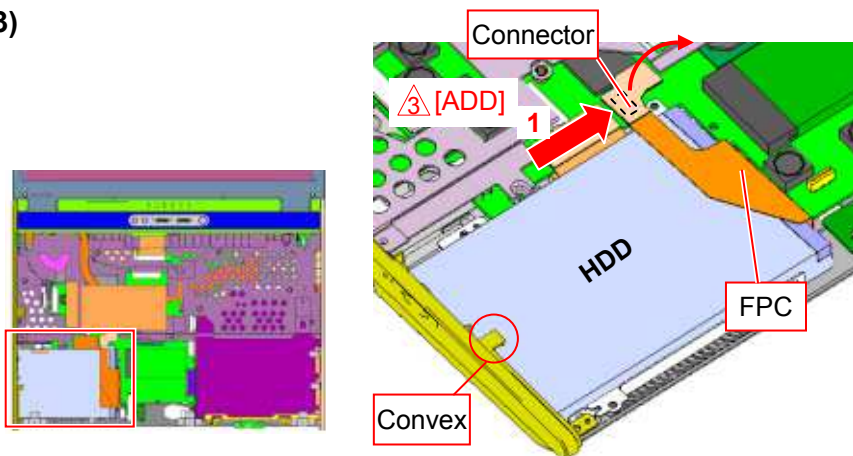**1)**

Tape (Common)

Filament Tape

WAN Model

⚠4 [MA]

HDD

Peel off the Tape (Common) and Filament Tape.

2)

Screw:B2

HDD

Remove the three screws.
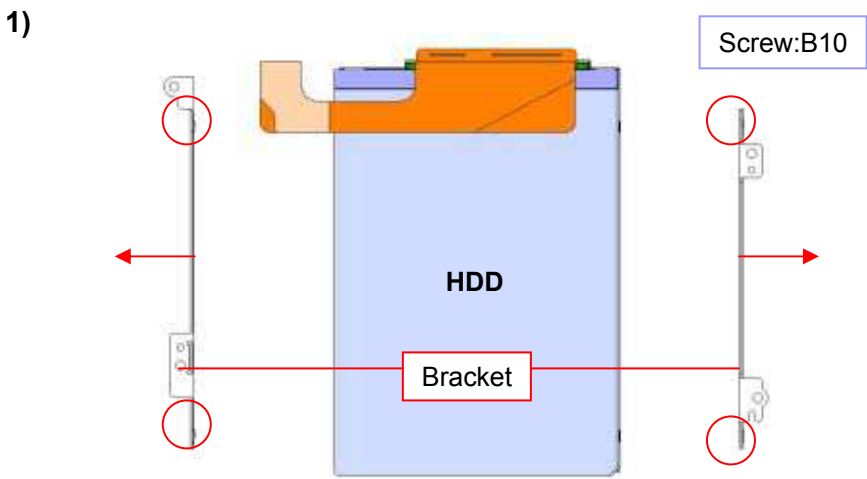
3)

Connector

⚠3 [ADD]

1

HDD

FPC

Convex

Disconnect the FPC, and remove the HDD while taking out it from
under the convex portion (one place).
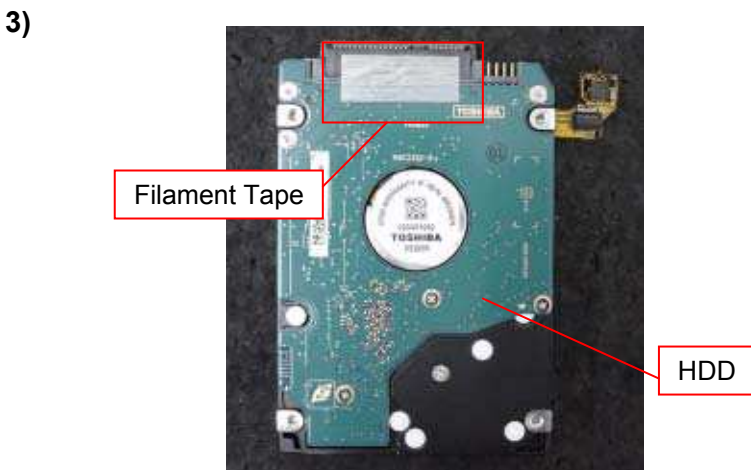* When disconnecting the FPC, be sure to remove it from the
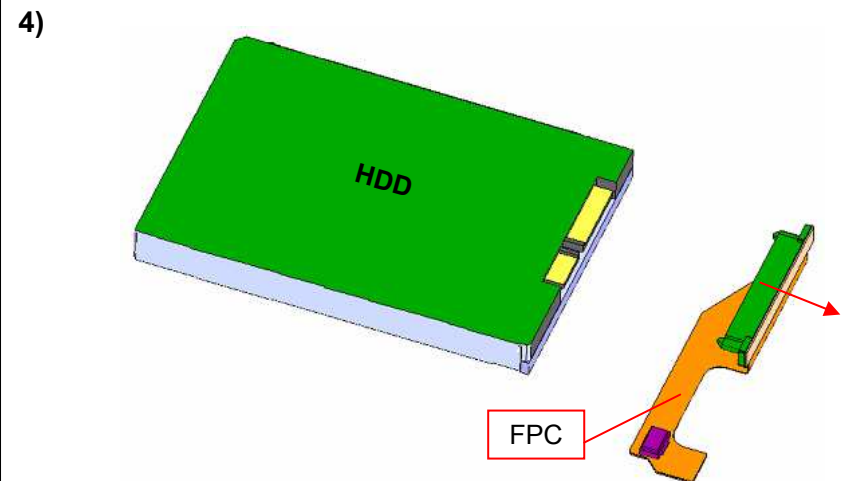direction of the arrow 1.

Parts of the HDD

1)

Screw:B10

HDD

Bracket

Remove the four screws, and then the Bracket (two places).

2)

Sheet

HDD
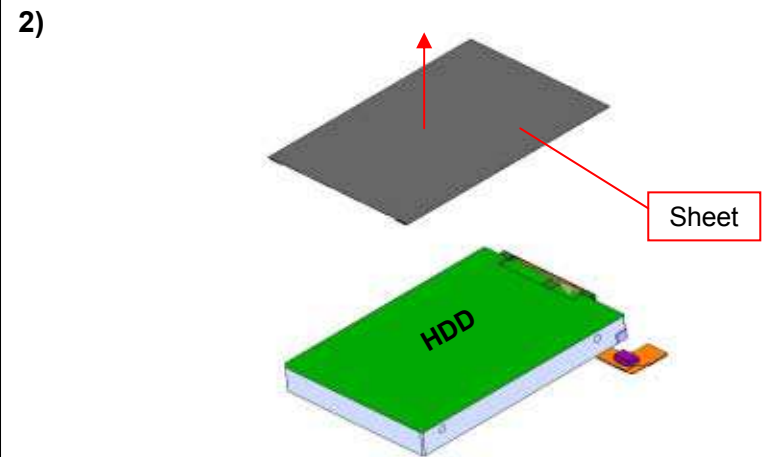
Peel off the Sheet from backside of the HDD.

3)

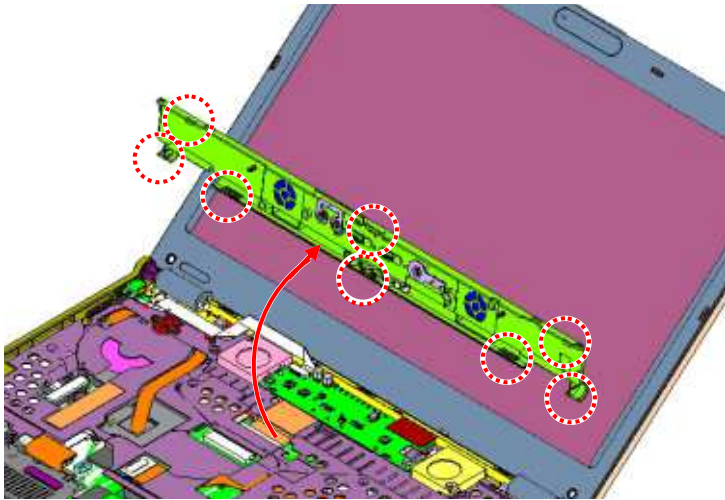Filament Tape

HDD

Peel off the Filament Tape.

4)

HDD

FPC

Disconnect the FPC.

SZ Series

Hood (Keyboard)

1)

Turn up the Hood (Keyboard) from the front and disengage the detent (eight places).
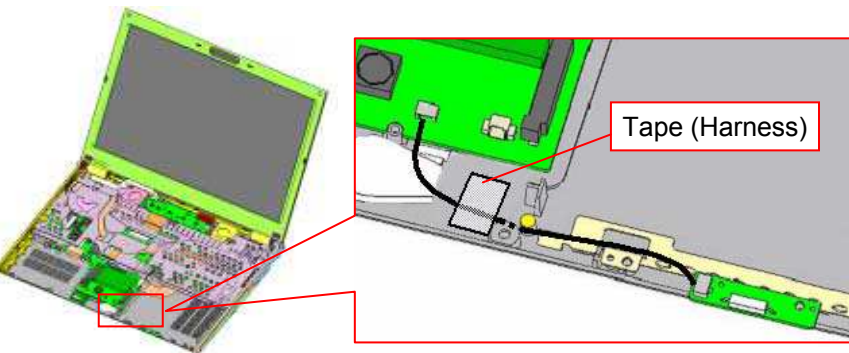
2)

Button (WLAN)
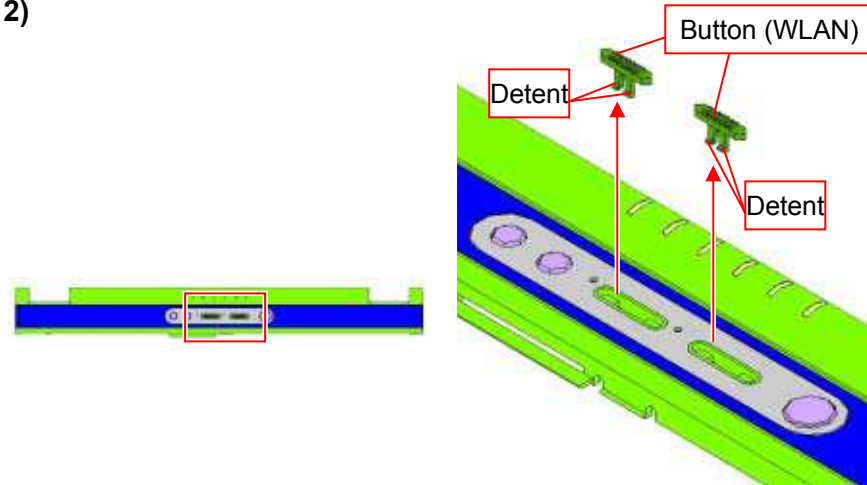
Detent

Detent

While disengaging the detent (two places) respectively, remove the Button (WLAN) (two places).

SWX-214 Board

1)

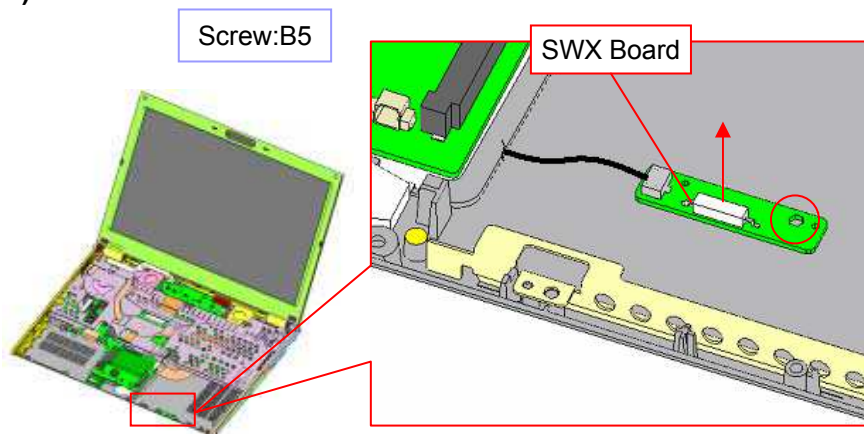Tape (Harness)

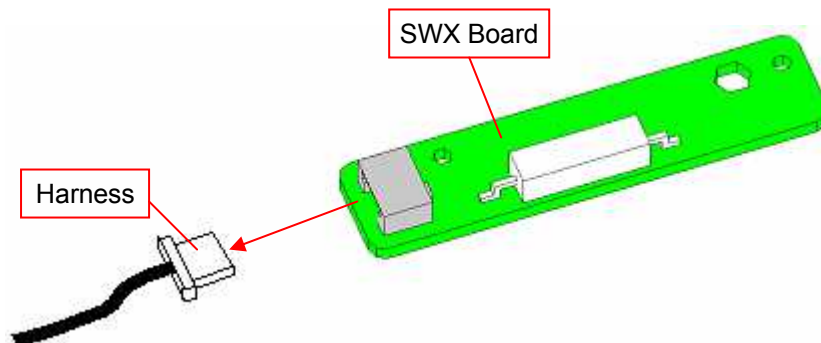Peel off the Tape (Harness).

2)
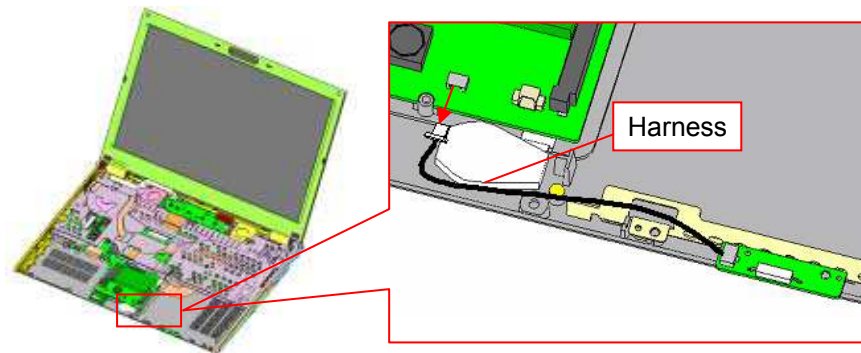
Harness

Disconnect the Harness.

3)

Screw:B5

SWX Board

Remove the one screw, and then the SWX Board.

4)

SWX Board

Harness

Disconnect the Harness.

IFX-437 Board   *TPM Model*

1)

IFX Board

Screw:B5
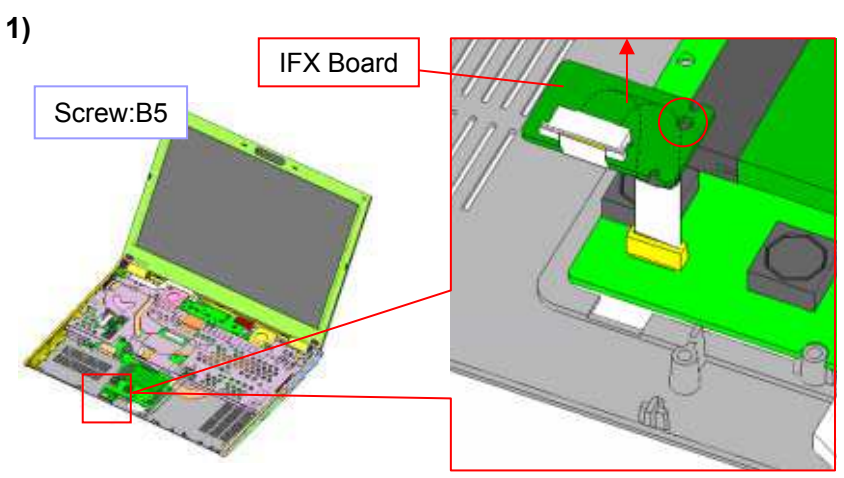
Remove the one screw, and then the IFX Board.

2)

FFC
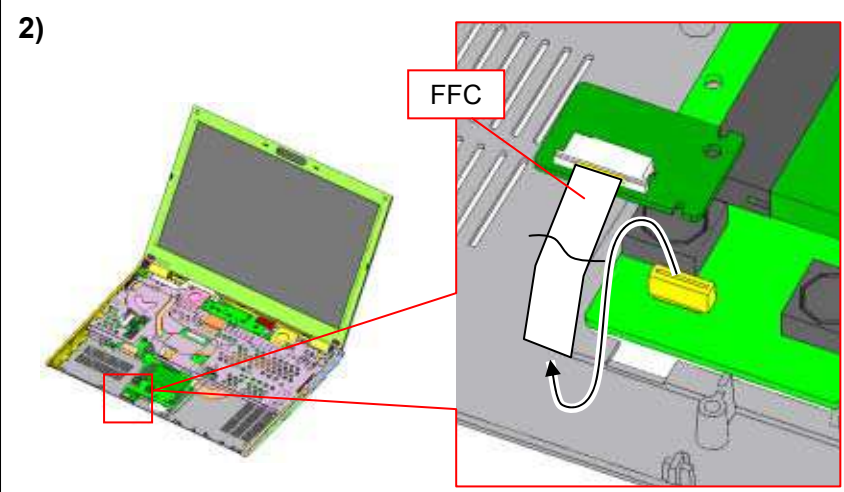
Pull out the FFC vertically and disconnect it.

3)

IFX Board

FFC
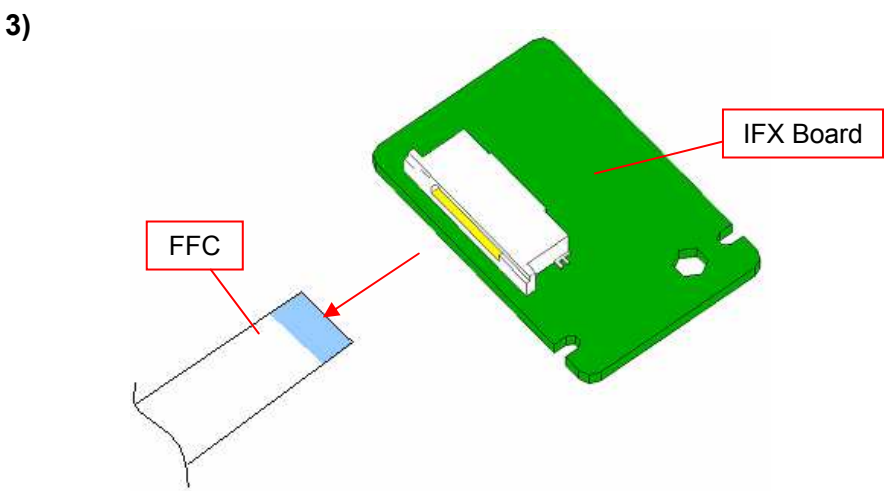
Pull out the FFC in the direction of the arrow.
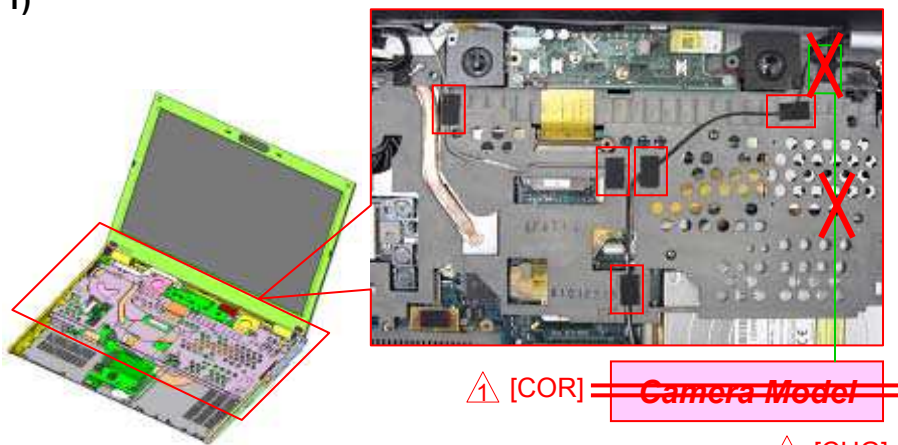
Reserve Battery

1)
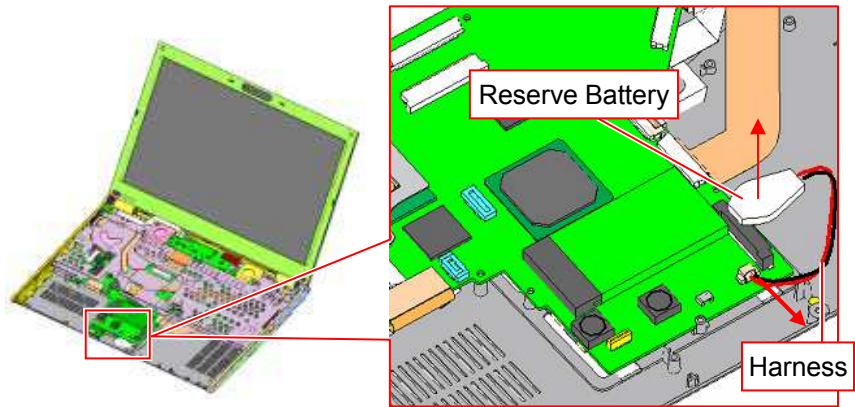
Disconnect the Harness, and remove the Reserve Battery.
* The adhesive tape is attached on the bottom of it.

Wireless LAN Card

1)

⚠ [COR] ~~Camera Model~~

⚠ [CHG]

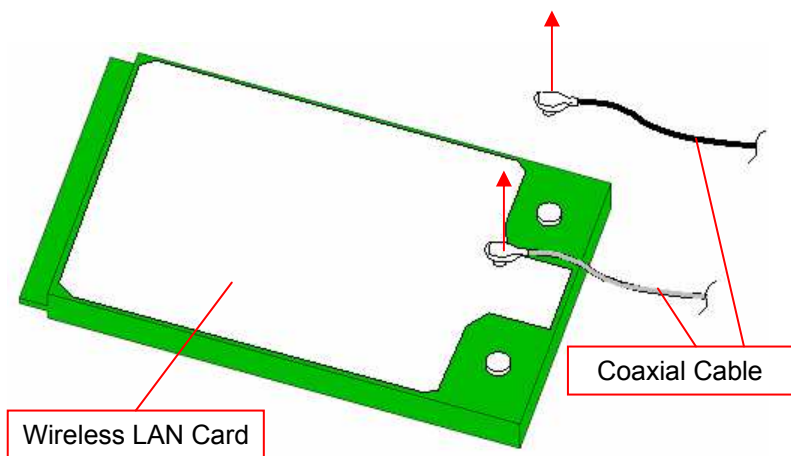Peel off the Sheet (Paste Cable) (five places).
~~*Camera Model --- Six places~~
~~Other --- Five places~~

2)

Wireless LAN Card

1

2

1

Move the tab (two places) in the direction of the arrow 1 to release the lock, and pull out the Wireless LAN Card diagonally upward (arrow2).
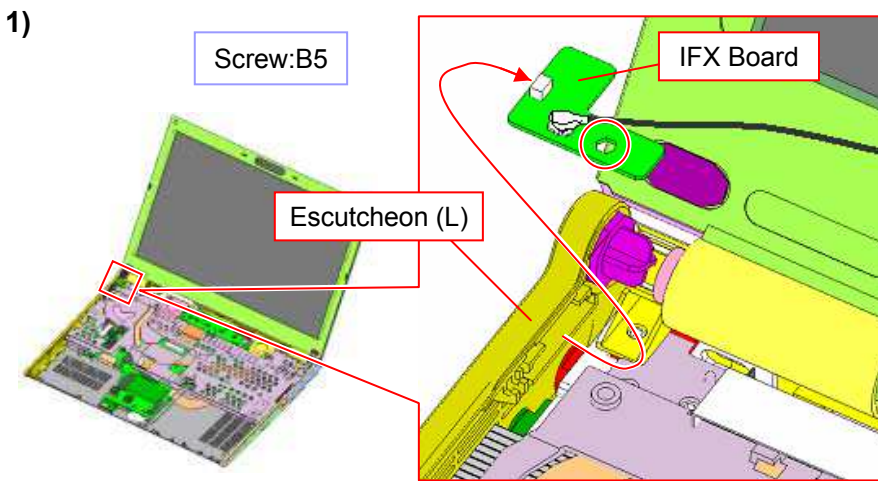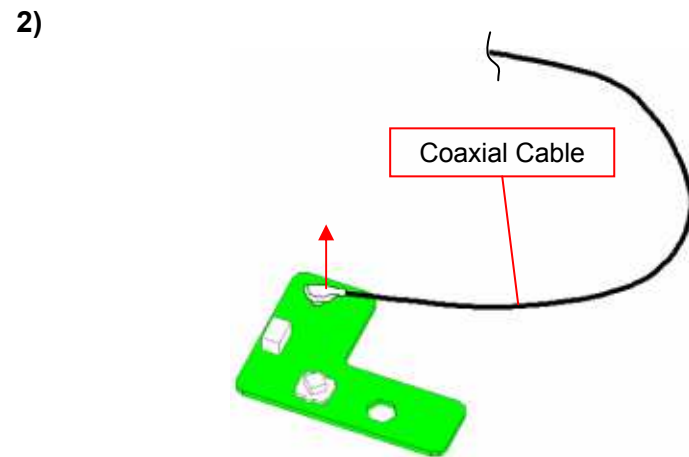
3)

Coaxial Cable

Wireless LAN Card

Disconnect the coaxial cable (two places).
* Pull out it **vertically**.

IFX-442 Board | Bluetooth Model

1)

Screw:B5

IFX Board

Escutcheon (L)

Remove the screw, and remove the IFX Board while releasing it from the Escutcheon (L).
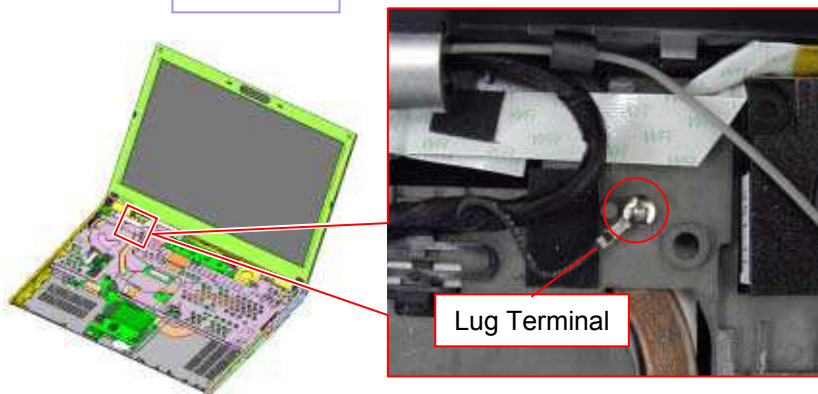
2)

Coaxial Cable
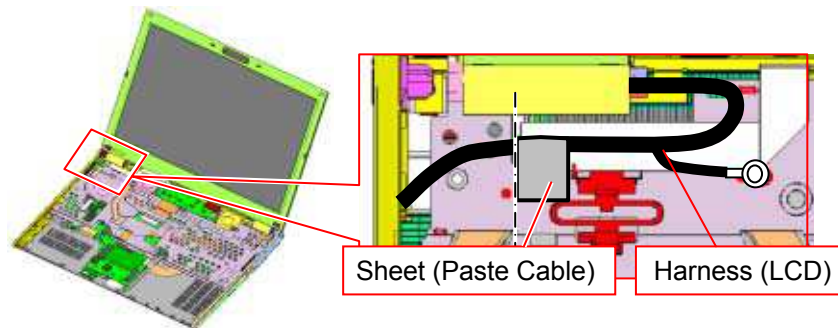
Disconnect the coaxial cable.
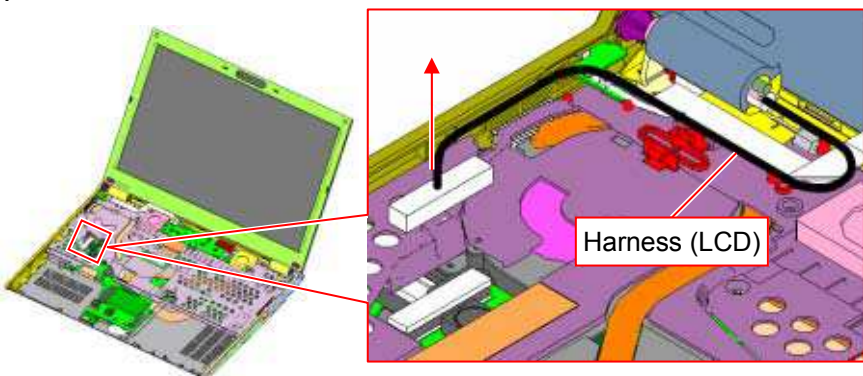* Pull out it **vertically**.

LCD -1

1)

Screw:B13

Lug Terminal

Remove the one screw.
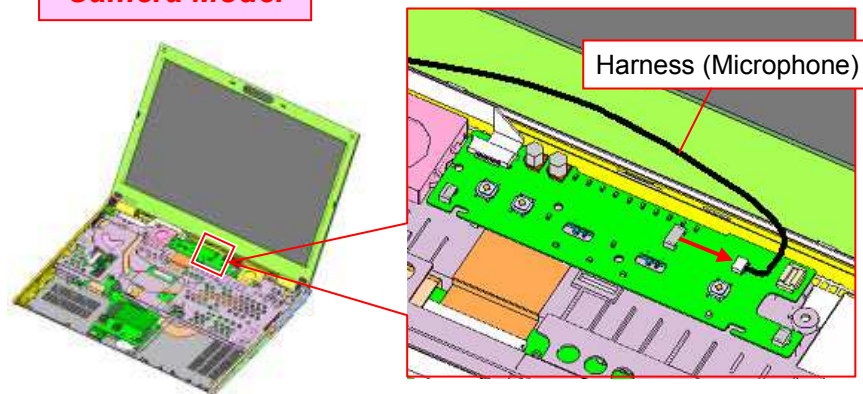* It secures the Lug Terminal.

2) ⚠3 [ADD]

Sheet (Paste Cable)   Harness (LCD)

Peel off the Sheet (Paste Cable).

3)

Harness (LCD)

Disconnect the Harness (LCD).

4)

Camera Model

Harness (Microphone)

Disconnect the Harness (Microphone).

LCD -2

5)

Camera Model
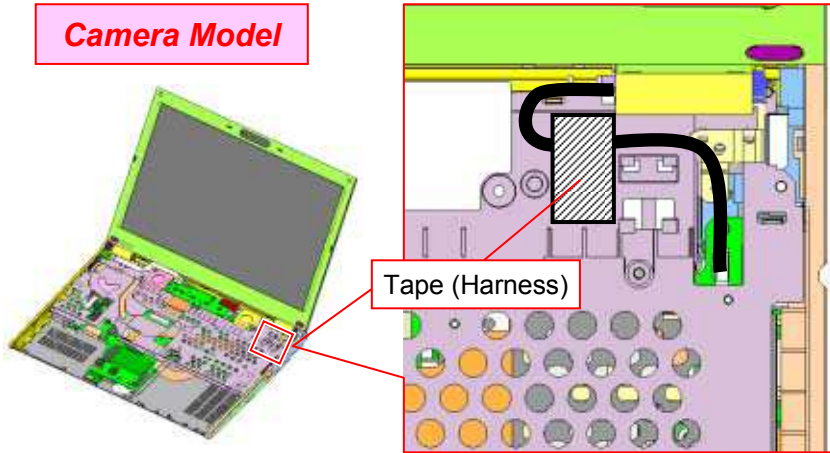
Tape (Harness)

Peel off the Tape (Harness).

6)

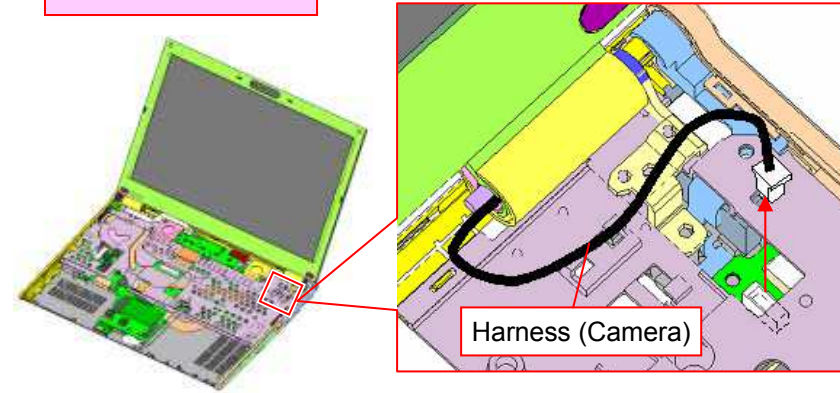*Camera Model*

Harness (Camera)

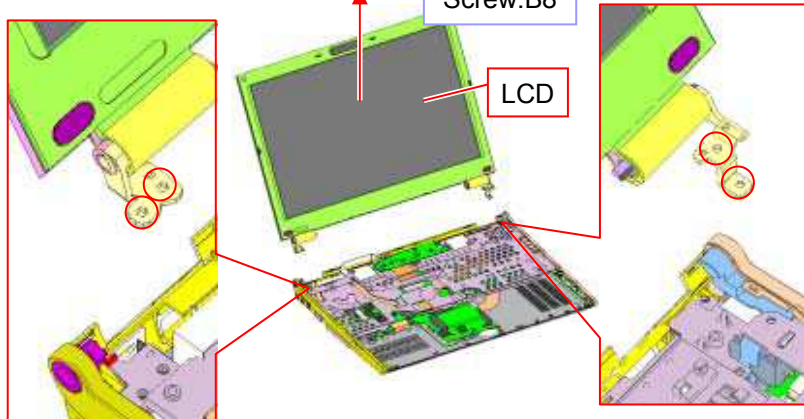Disconnect the Harness (Camera).

7)

Screw:B8

LCD

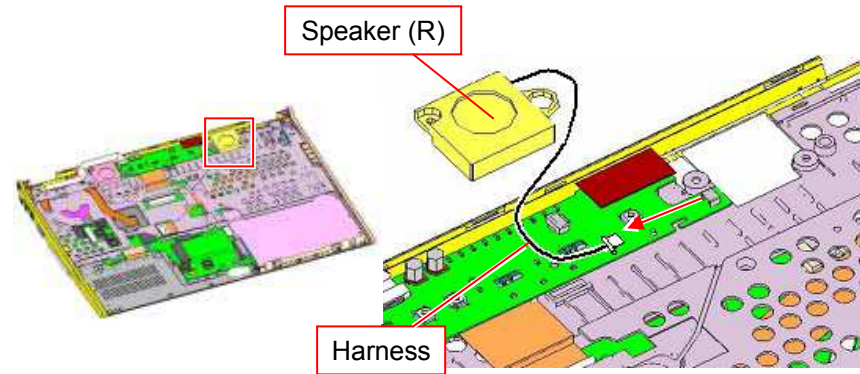Remove the four screws, and then the LCD.

Cap (Hinge), Speaker (R)

1)

⚠5 [ADD]

No WAN Model
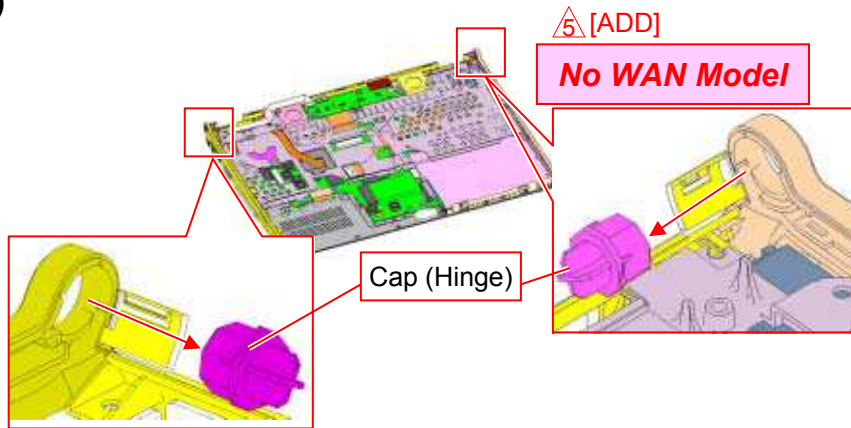
Cap (Hinge)

Remove the Cap (Hinge) .
*WAN Model --- One place
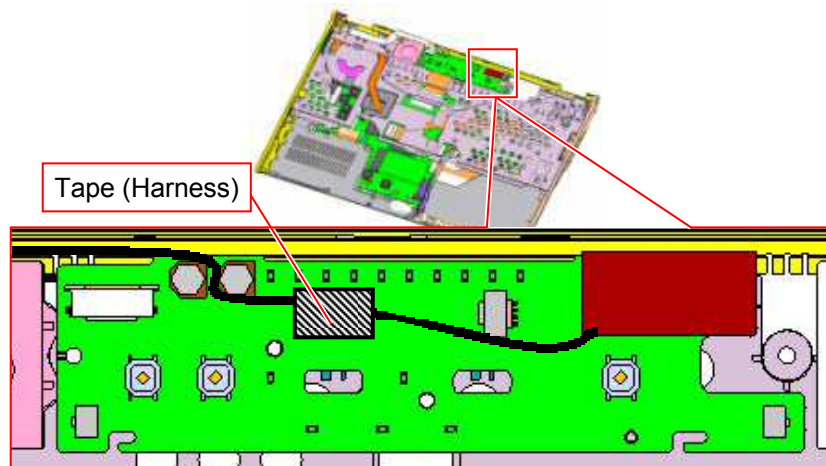 No WAN Model --- Two places

2)

Speaker (R)

Harness

Disconnect the Harness, and remove the Speaker (R).

Bluetooth Module   Bluetooth Model

1)

Tape (Harness)

Peel off the Tape (Harness).

2)

Connector
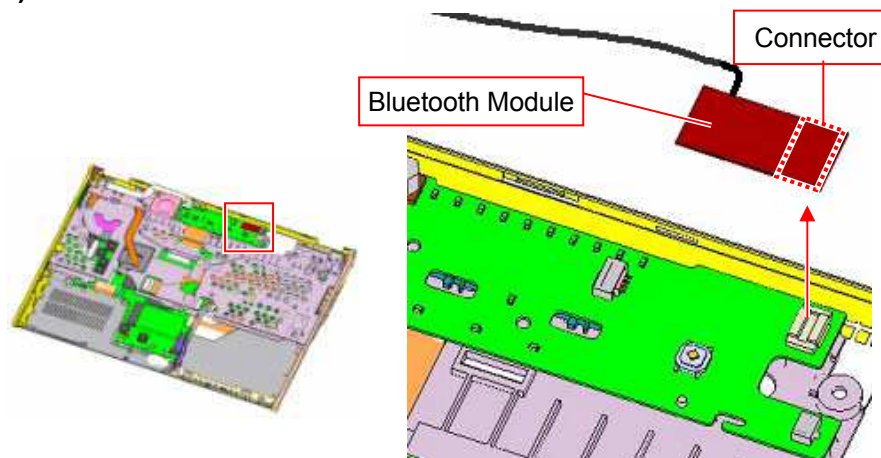
Bluetooth Module

Remove the Bluetooth Module.

3)
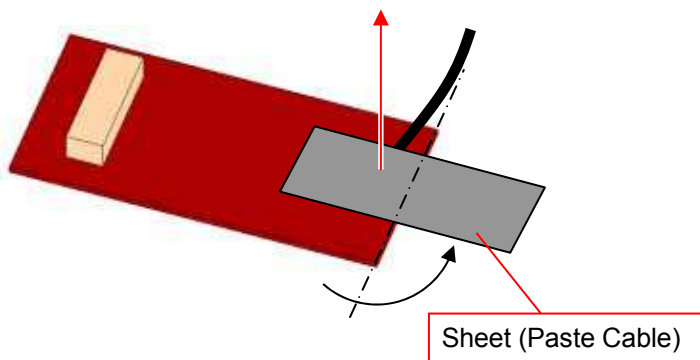
Sheet (Paste Cable)

⚠8 [CHG]
Peel off the Sheet (Paste Cable).

4)
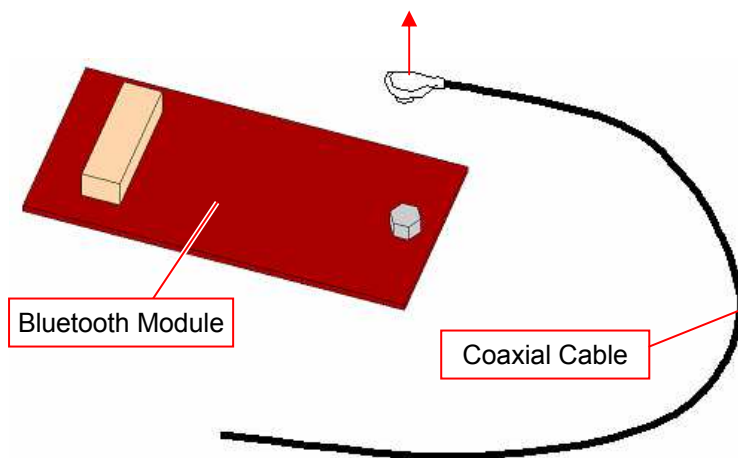
Bluetooth Module

Coaxial Cable

Disconnect the coaxial cable.
* Pull out it **vertically**.

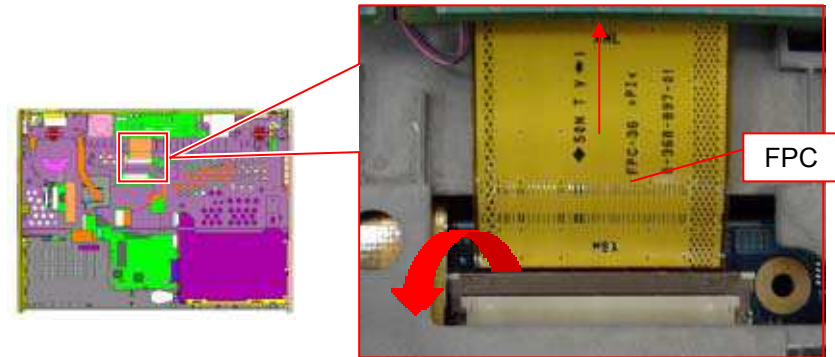*SZ Series*

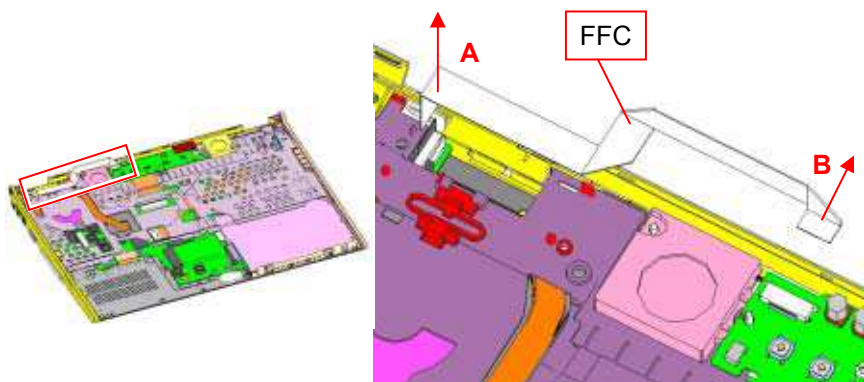# ANL-66 Board -1

1)

Screw:B2

Remove the two screws.

2)

FPC
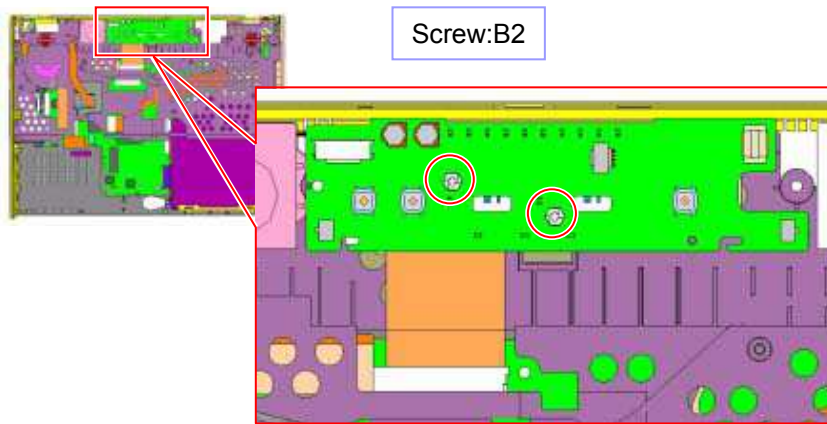
Raise the lock lever to release the lock, and disconnect the FPC.
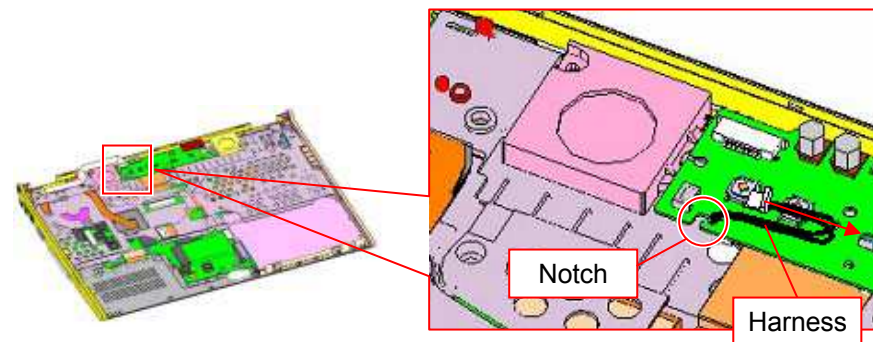
3)

A

FFC

B

Disconnect the FFC.
*A: Pull out it vertically upward.
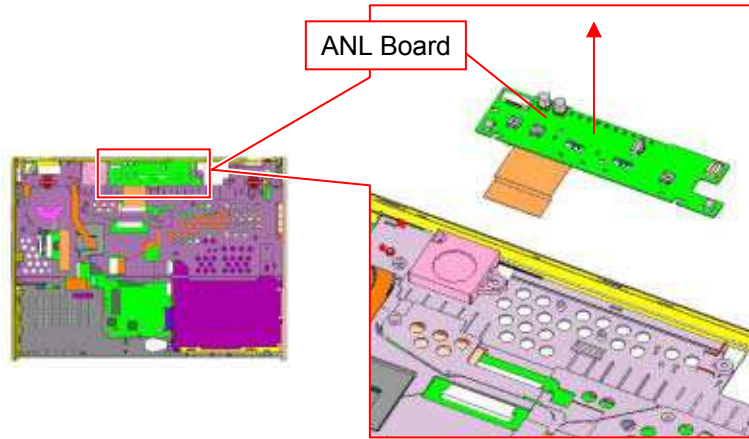 B: Pull out it in the direction of the arrow.

4)

Notch

Harness

Disconnect the Harness, and release it from the notch.

ANL-66 Board -2

5)

ANL Board

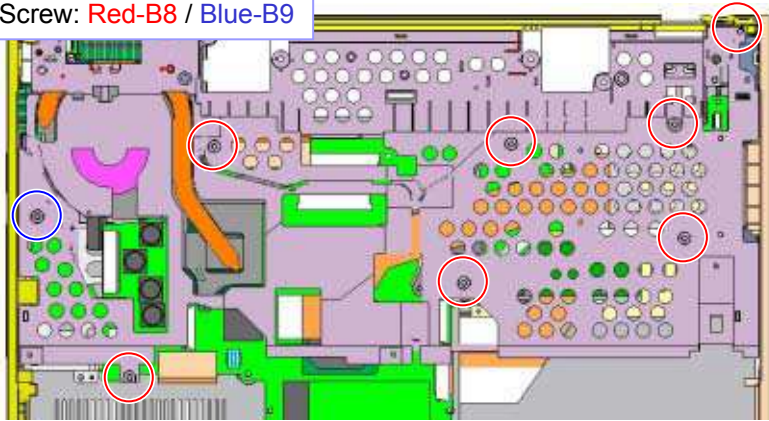Remove the ANL Board.

6)
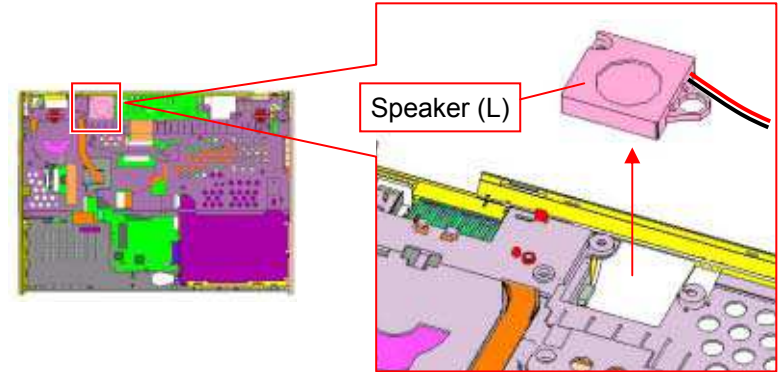
Speaker (L)

Remove the Speaker (L).

Chassis (MG)

1)
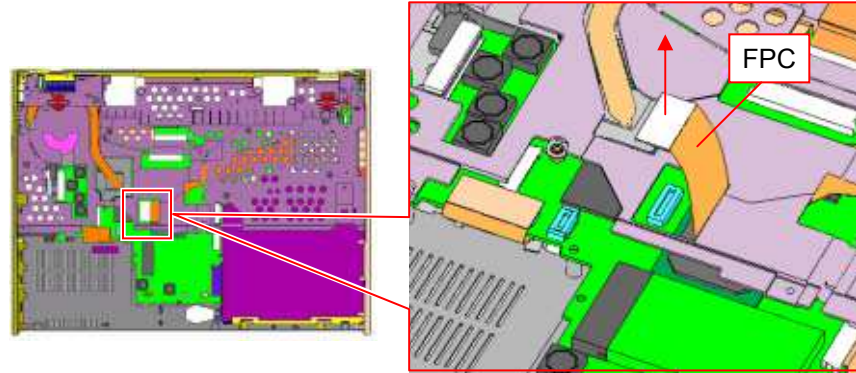

Screw: Red-B8 / Blue-B9

Remove the eight screws.

2)

FPC

Disconnect the FPC vertically upward.

3)
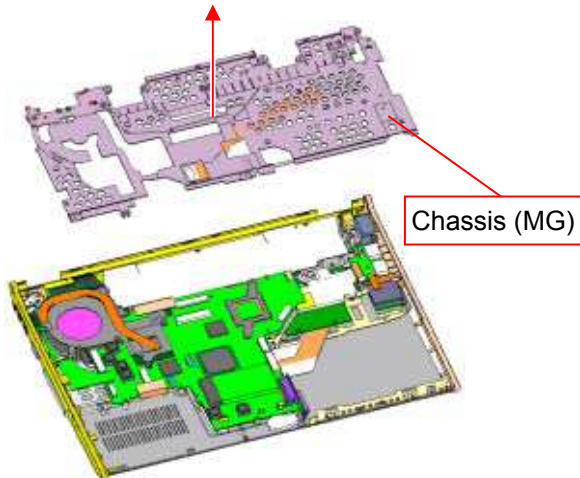
Chassis (MG)

Remove the Chassis (MG).

Parts of the Chassis (MG)

1)

Screw:B4

Adhesive Tape

FPC
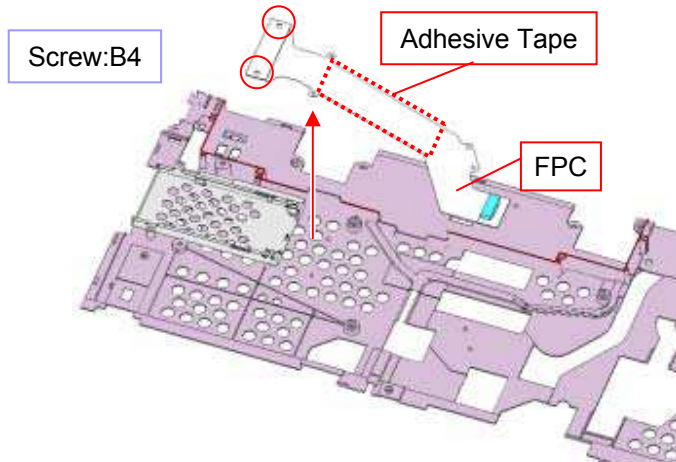
Remove the two screws, and disconnect the FPC.
* The adhesive tape is attached on the bottom of it.

2)

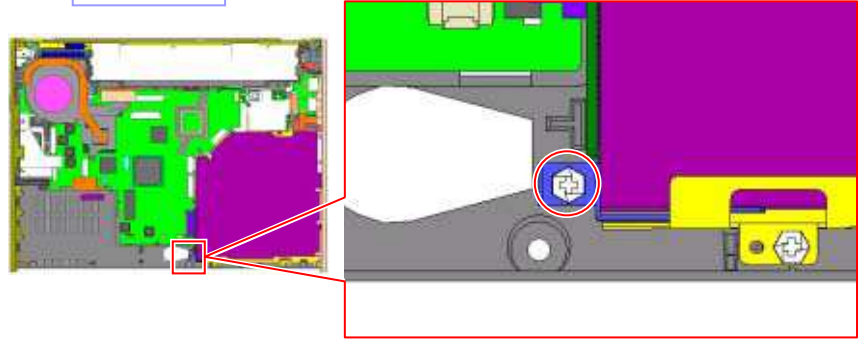Connector (EX Card)

Screw:B5

⚠8 [CHG]
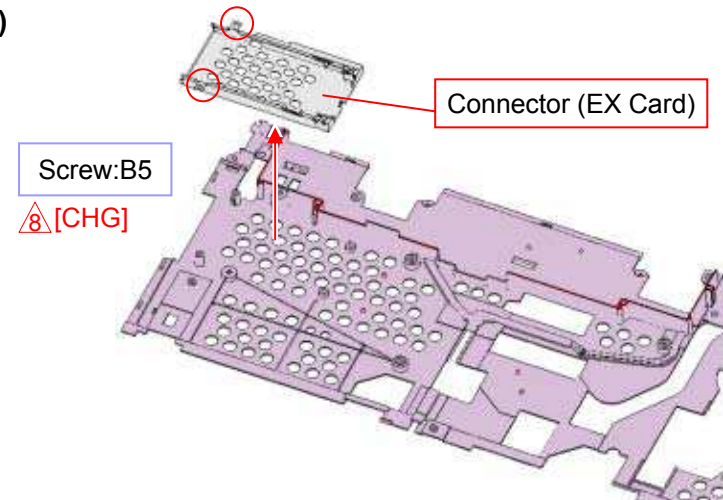
Remove the two screws, and then the Connector (EX Card).
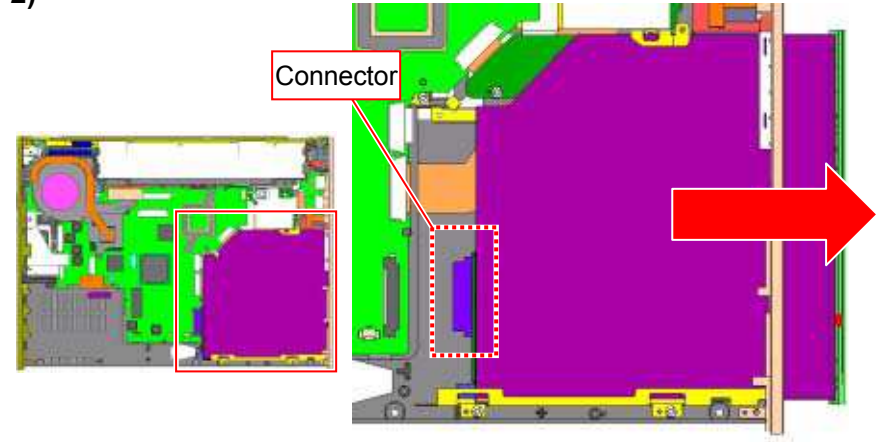
Optical Disc Drive

1)

Screw:B2

Remove the one screw.

2)

Connector

Remove the Optical Disc Drive while disconnecting the connector.

IFX-435 Board -1

1)
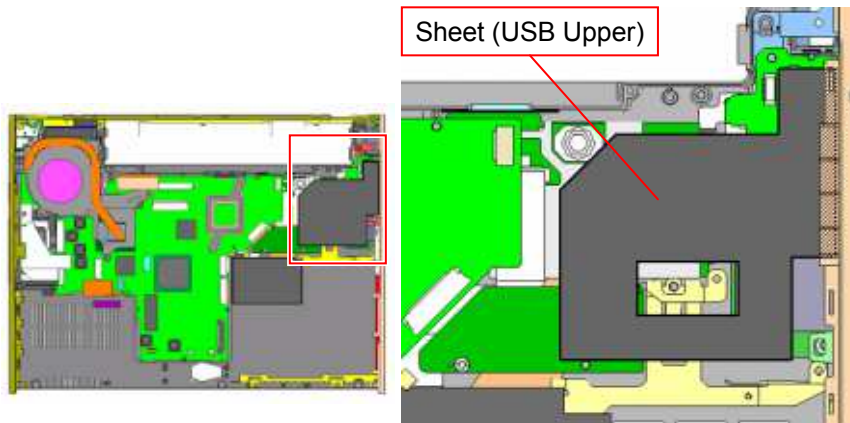
Sheet (USB Upper)

Peel off the Sheet (USB Upper).

2) ⚠4 [MA]

WAN Model

Tape (Harness)

Peel off the Tape (Harness).

3)
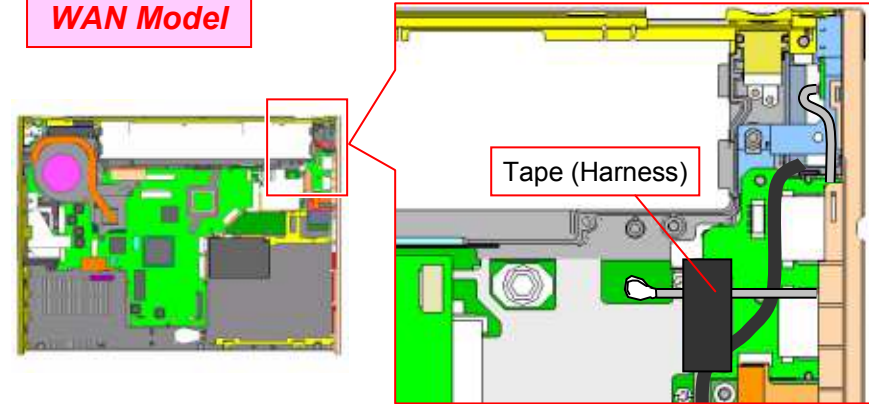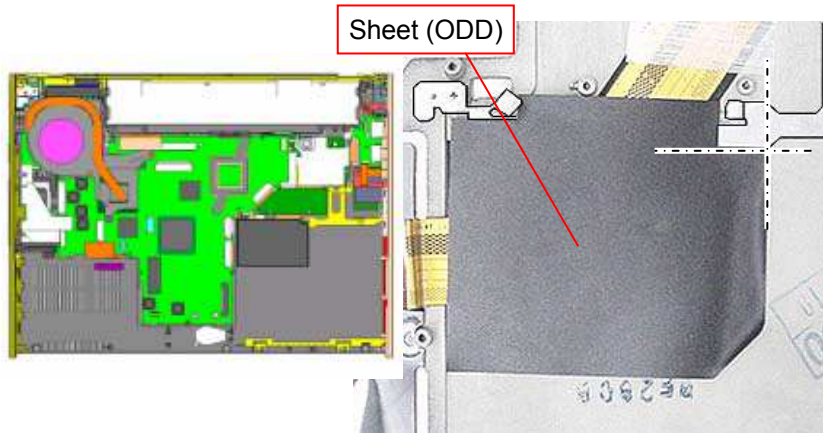
Sheet (ODD)

Peel off the Sheet (ODD).

4) ⚠4 [MA]

WAN Model

FFC
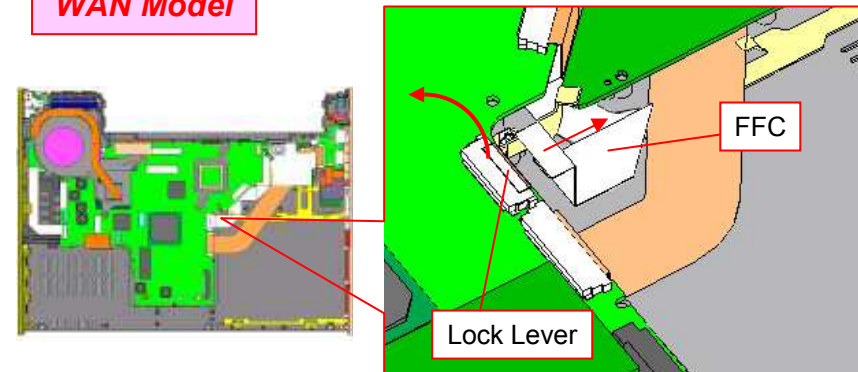
Lock Lever

Raise the lock lever to release the lock, and remove the FFC coming from the WWAN Unit.

SZ Series

IFX-435 Board -2

5)

Screw:B5
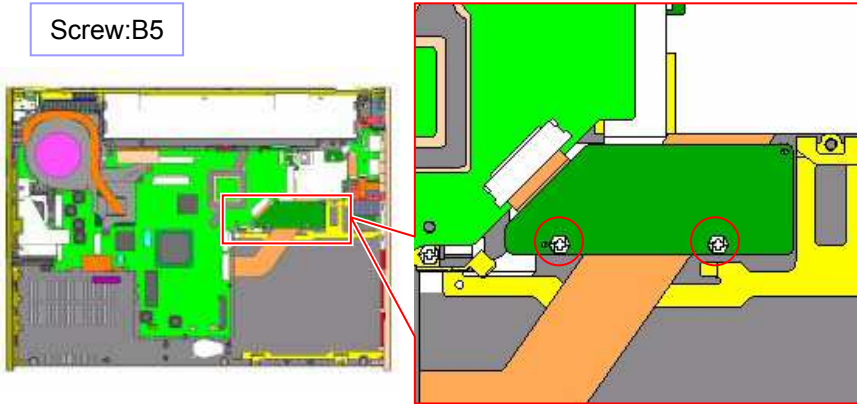
Remove the two screws.

6)

FPC
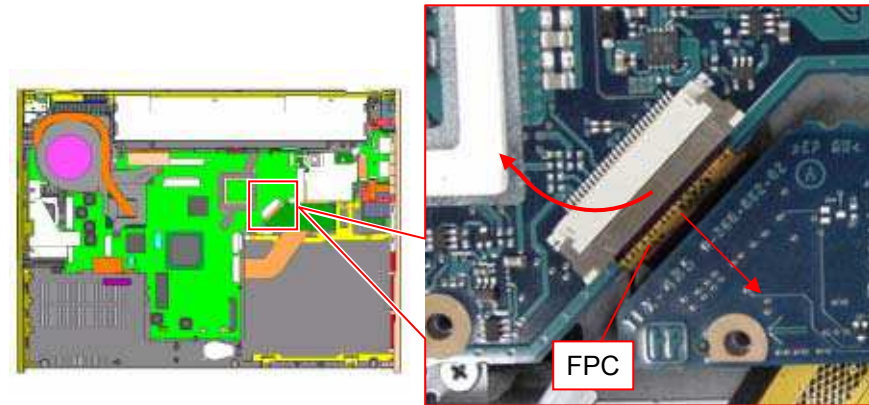
Raise the lock lever to release the lock, and disconnect the FPC.

7)

IFX Board

Harness
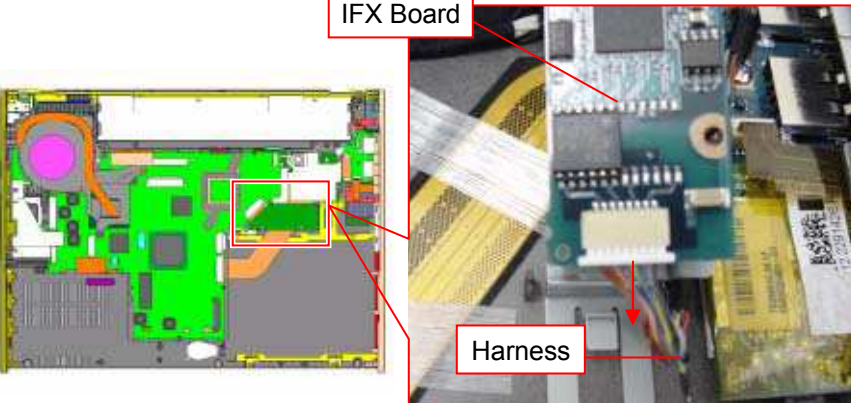
Turn over the IFX Board, and disconnect the Harness.

Parts of the IFX-435 Board

1)

FPC

IFX Board
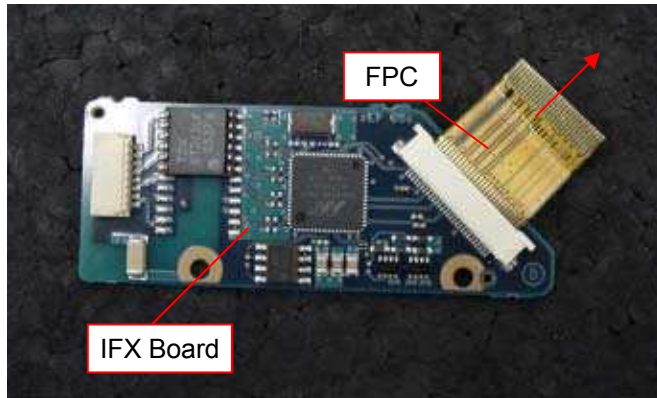
Pull out the FPC in the direction of the arrow.

DDC-5 Board *Brighter_LED Model*

1)

DDC Board
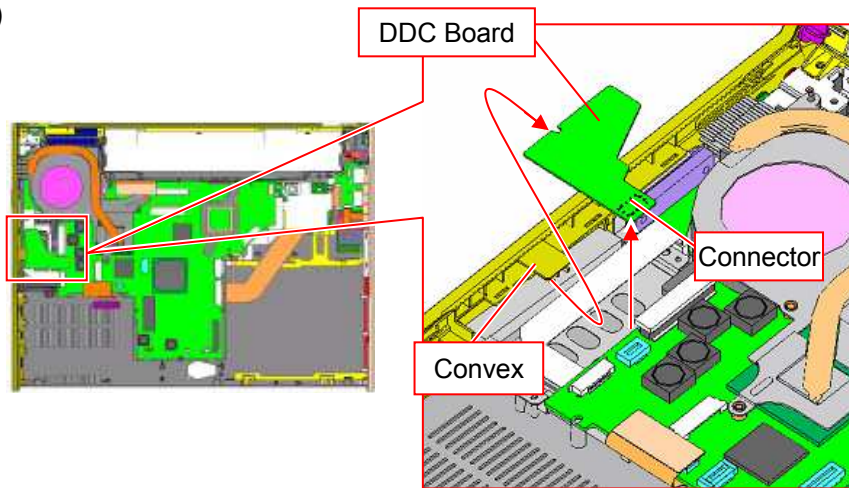
Connector

Convex

Disconnect the connector, and remove the DDC Board while pulling it out from under the convex portion.

Cover (BATT)

1)

Screw:B2

Remove the two screws.

2)
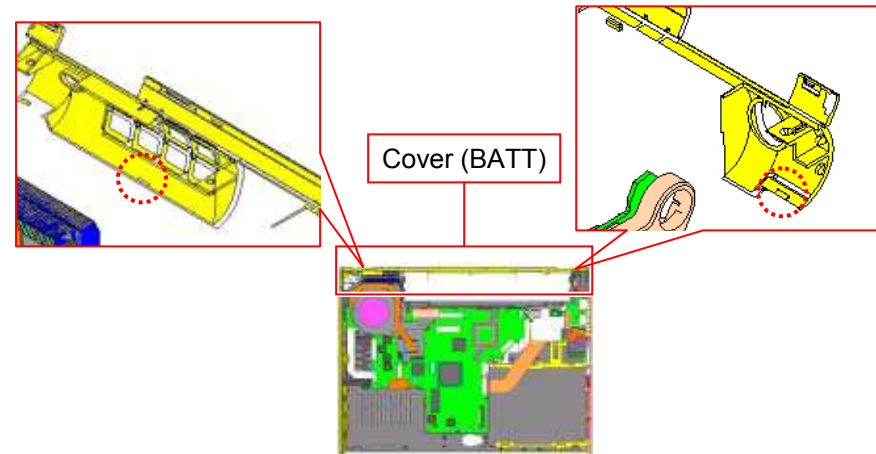
Cover (BATT)

While disengaging the detent (two places), remove the Cover (BATT).

Mother Board -1

1) △4 [MA]

WAN Model
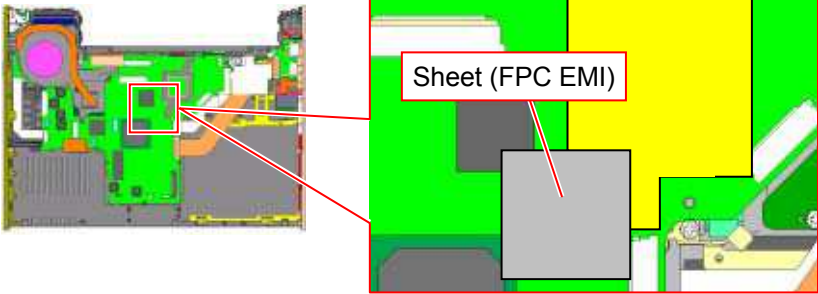
Sheet (FPC EMI)

Peel off the Sheet (FPC EMI).

2) △3 [ADD]   △4 [COR]

WAN & EU Area (Except SZ1HRP, SZ1XRP)Model

△4 [MA]

Busteraid(CPU Upper)

Peel off the Busteraid (CPU Upper).

3) △3 [ADD]
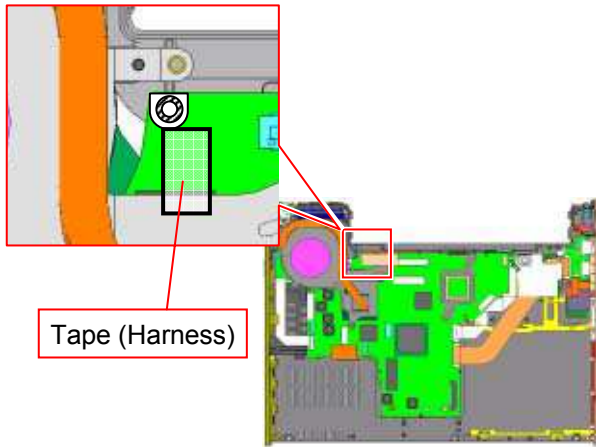
Tape (Harness)

Peel off the Tape (Harness).

4)

FPC
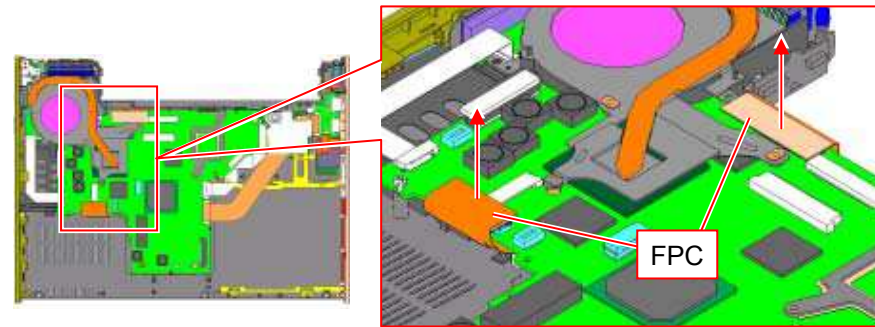
Pull out the FPC (two places) vertically.

SZ Series

Mother Board -2

5)

A

FPC

B

FPC

Lock Lever

Disconnect the FPC (two places).
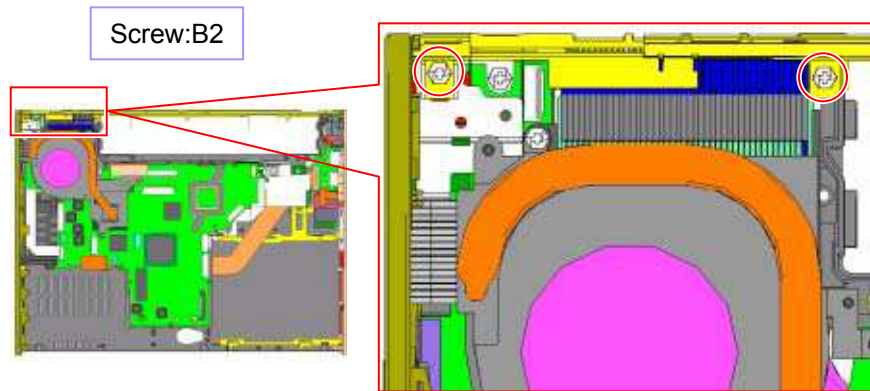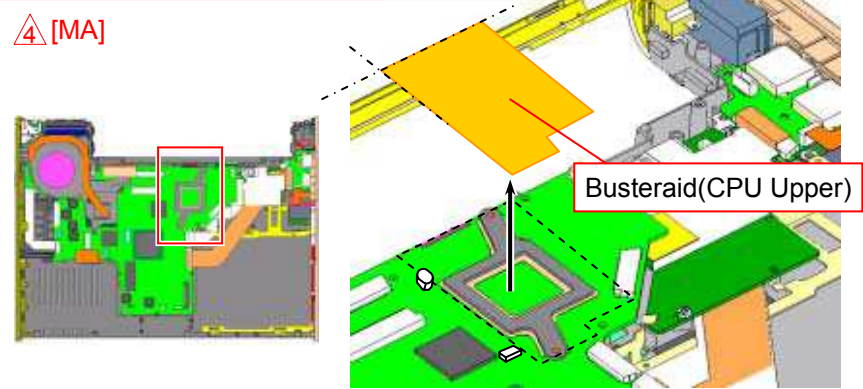*A : Pull out it in the direction of the arrow.
 B : Raise the lock lever to release the lock, and disconnect the FPC.

6)

Screw:B5

Harness

Remove the one screw, and disconnect the Harness.
* The screw secures the lug terminal.

7)

Screw:B2

Remove the six screws.
⚠[ADD]

8)
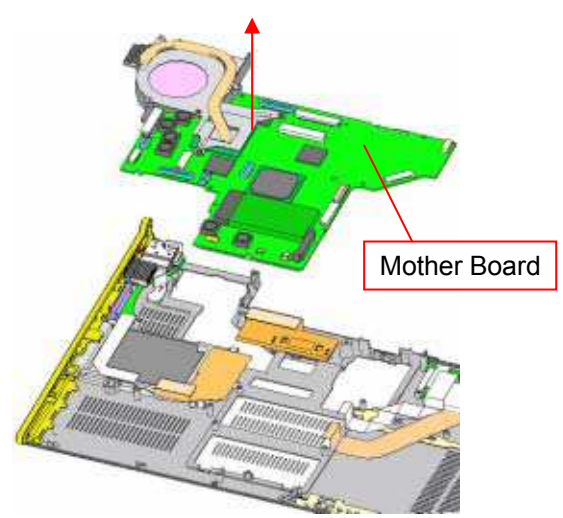
Mother Board

Remove the Mother Board.

WWAN Unit -1   *WAN Model*

1)

FFC
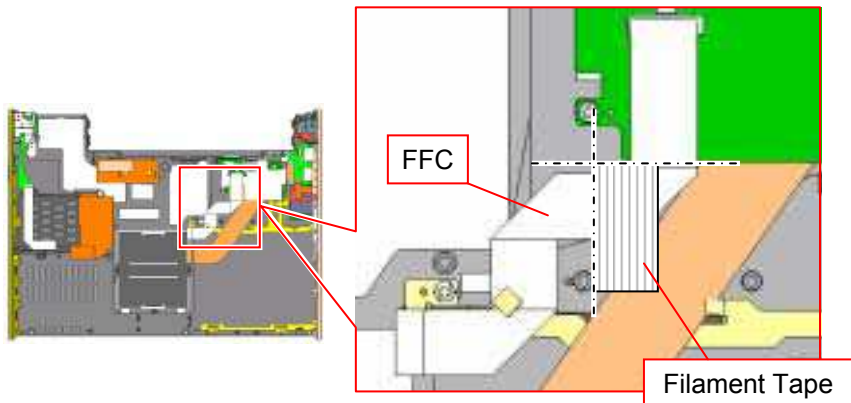
Filament Tape

Peel off the Filament Tape.

2)

A

FFC

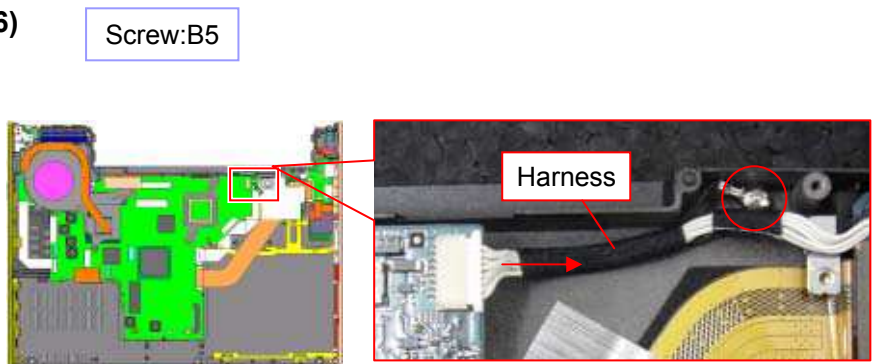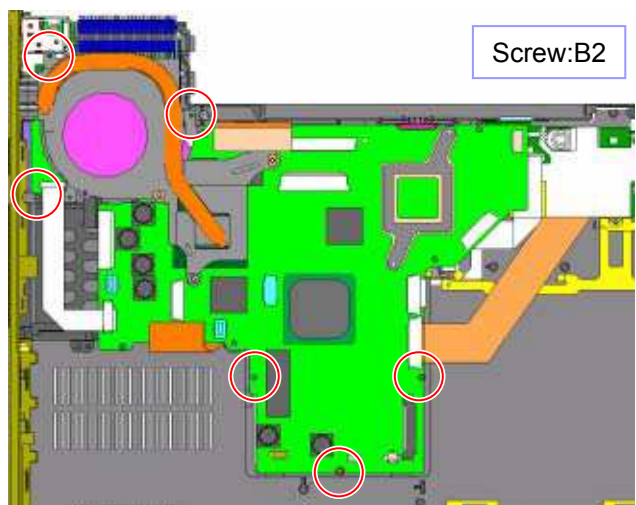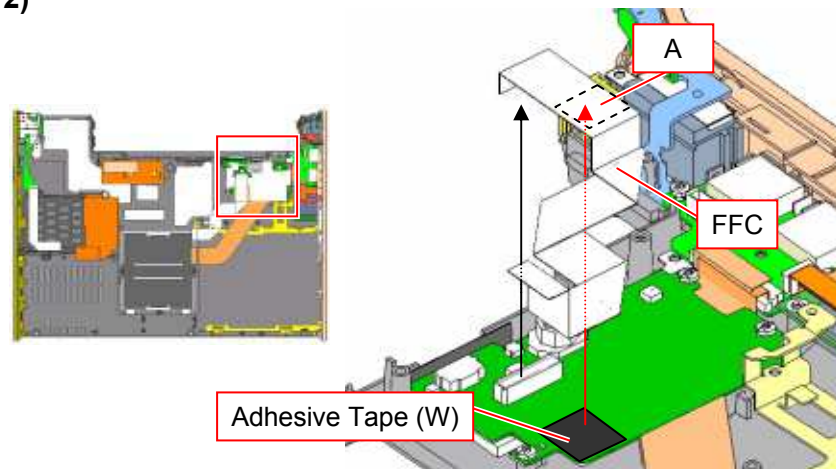Adhesive Tape (W)

Disconnect the FFC vertically, and peel off the A portion from the Adhesive Tape.

3)

WAN Antenna (Base Unit)
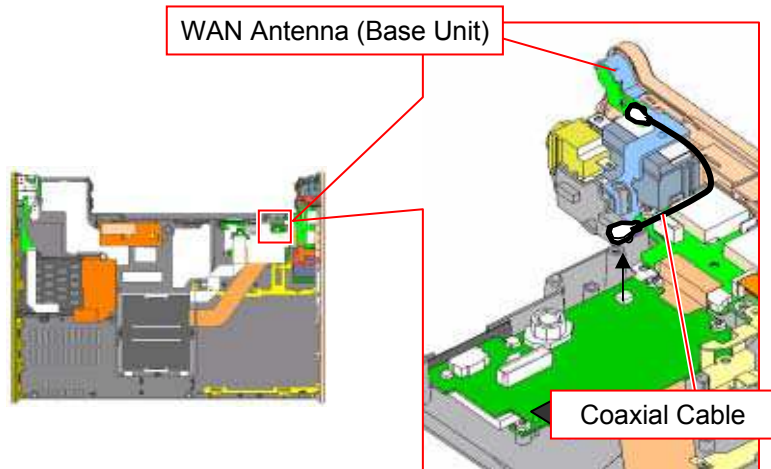
Coaxial Cable

Disconnect the coaxial cable coming from the WAN Antenna (Base Unit).
* Disconnect the coaxial cable **vertically**.

4)

Screw: Red-B5 / Blue-B17
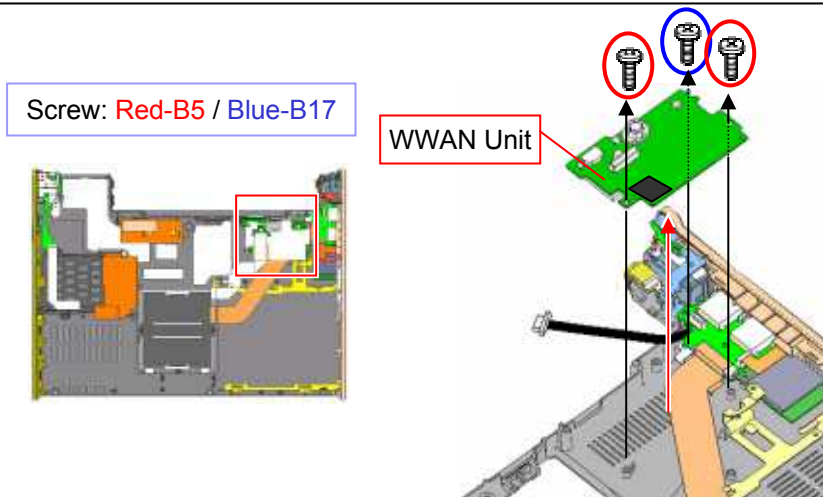
WWAN Unit

Remove the three screws and the WWAN Unit.

SZ Series

WWAN Unit -2 *WAN Model*

5)

WWAN Unit
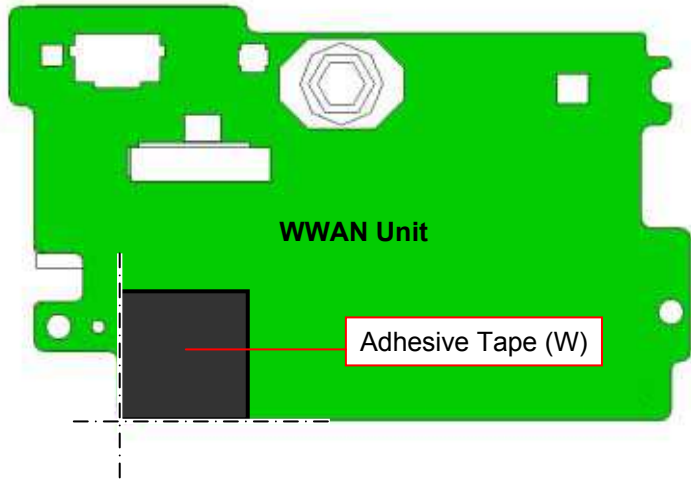
Adhesive Tape (W)

Peel off the Adhesive Tape.

FPC, Card (Modem)

1)

Screw:B8

FPC
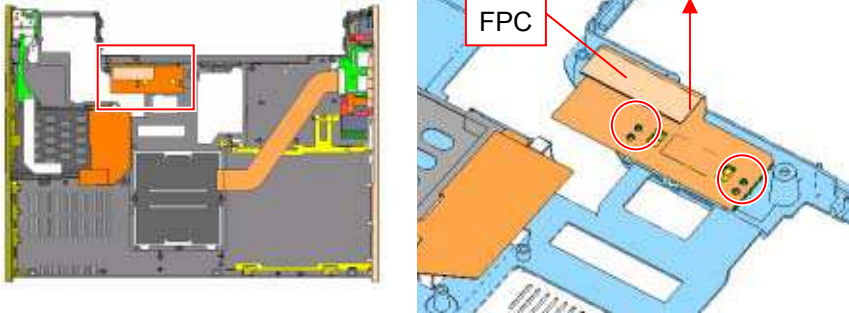
Remove the two screws, and then the FPC.

2)

FPC

Pull out the FPC vertically upward, and disconnect it.

3)

Screw:B5

Card (Modem)

Remove the two screws, and then the Card (Modem).

4)
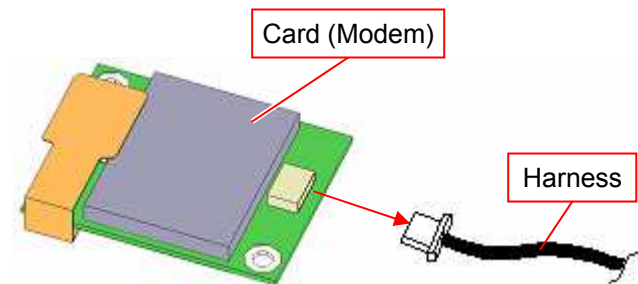
Card (Modem)

Harness

Turn over the Card (Modem), and disconnect the Harness.

SZ Series

Parts of the Card (Modem)

1)

FPC

Connector

Card (Modem)
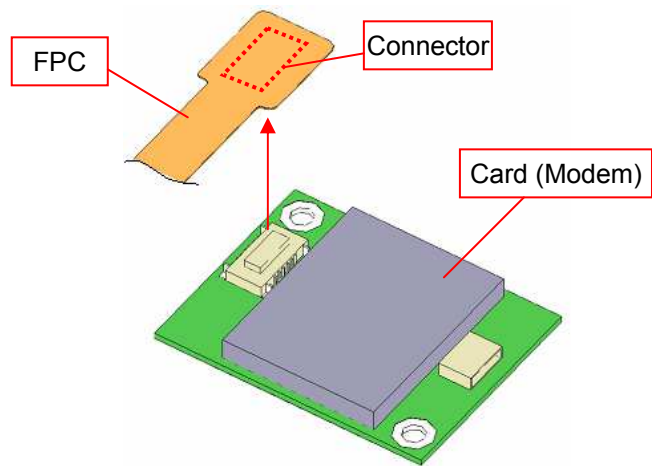
Disconnect the FPC.

CNX-349 Board

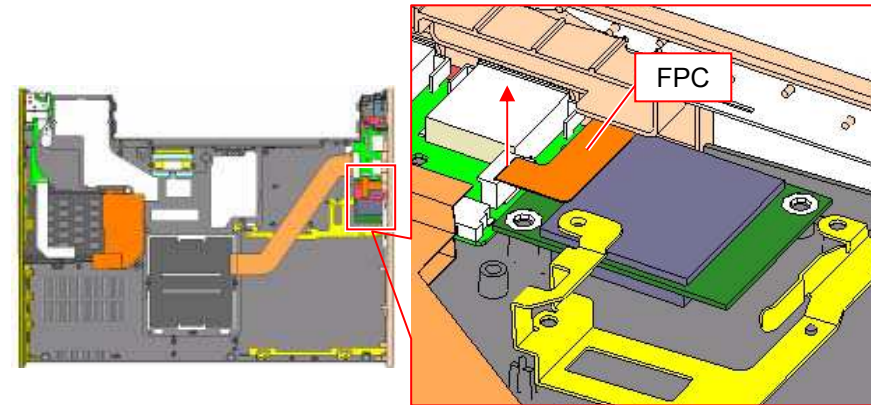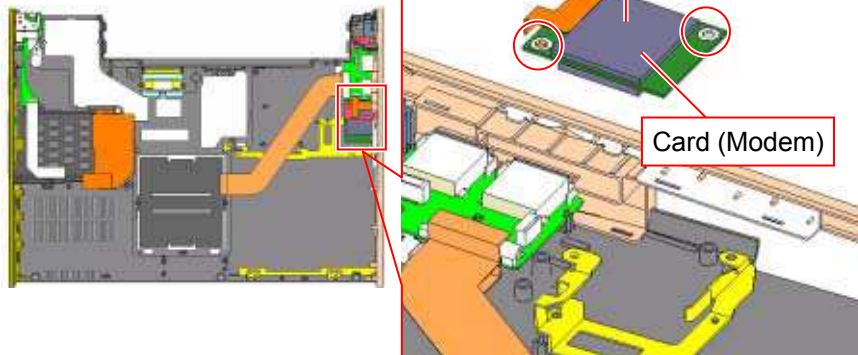**1)**

Filament Tape

Shield Tape (C)

⚠9 [ADD]

Peel off the Filament Tape (two places) and the Shield Tape (C).

2)

Screw:B5

Remove the two screws.

3)

CNX Board   Connector

Escutcheon (R)

While removing the connector portion from the Escutcheon (R), remove the CNX Board.

4)

CNX Board

FPC

Lock Lever

Raise the lock lever to release the lock, and disconnect the FPC.

Escutcheon (R)

1)

Cover (Modem)

Pull out the Cover (Modem).

2)

Screw:B5

Remove the one screw.

3)
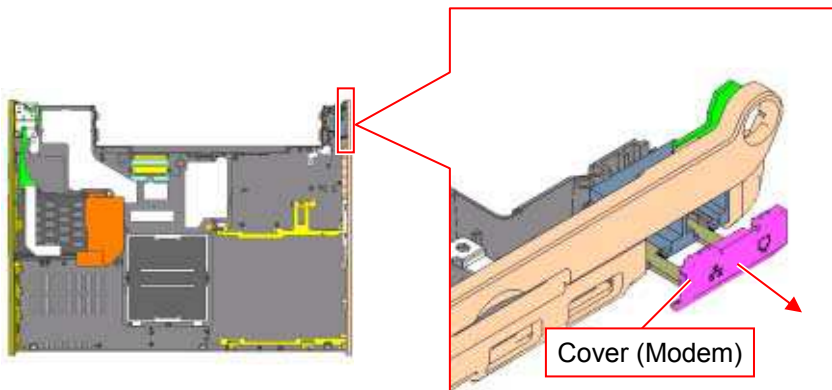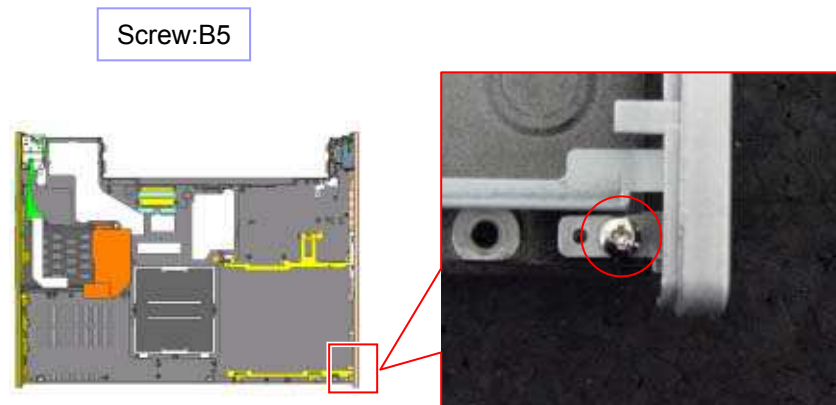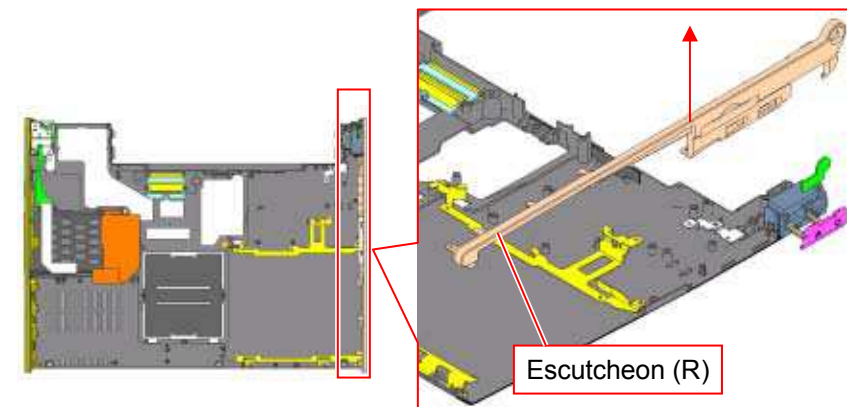

Escutcheon (R)

Remove the Escutcheon (R).

WAN Antenna (Base Unit)   *WAN Model*

1)

Adhesive Tape (Cover BATT)

WAN Antenna (Base Unit)

Escutcheon (R)
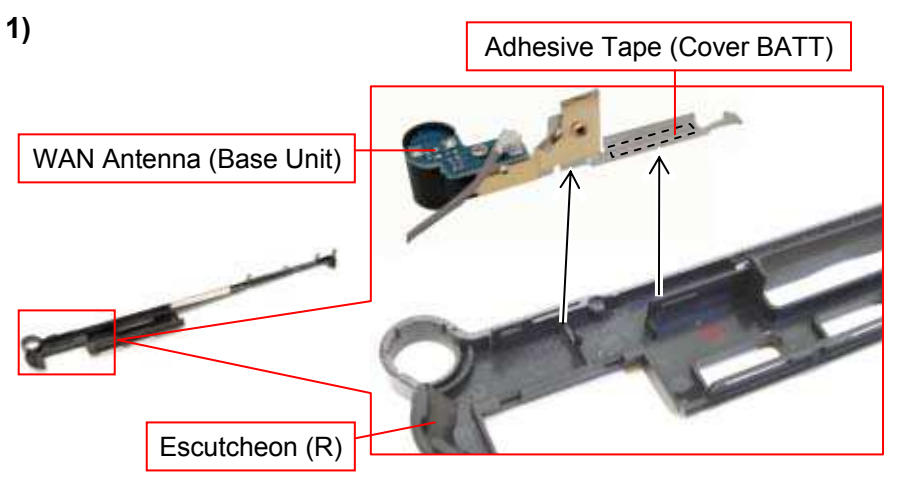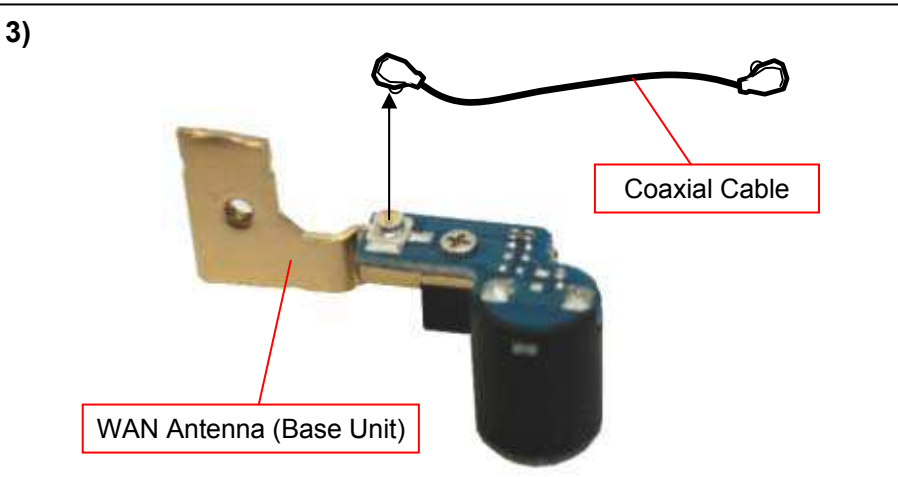
Remove the WAN Antenna (Base Unit).
*The Adhesive Tape (Cover BATT) is attached on the bottom of it.

2)

Sub Plate (WAN Antenna)

Detent

WAN Antenna (Base Unit)
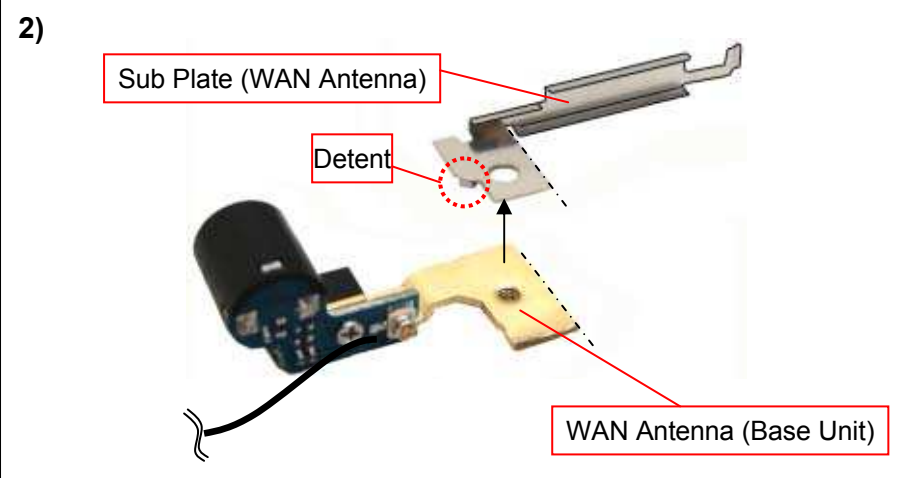
Remove the Sub Plate (WAN Antenna) while disengaging the detent (one place).

3)

Coaxial Cable

WAN Antenna (Base Unit)

Disconnect the coaxial cable.
* Disconnect the coaxial cable **vertically**.

Harness (DC), Harness (RJ45/11), Cover (Modem)

1) ⚠4 [ADD]
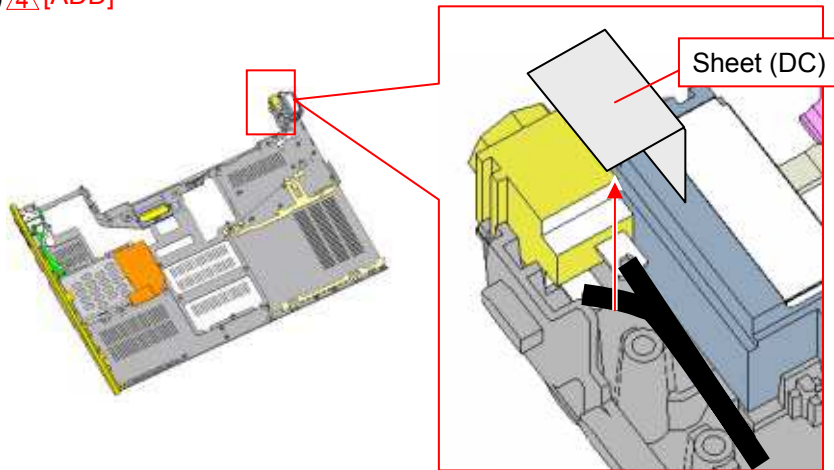
Peel off the Sheet (DC).
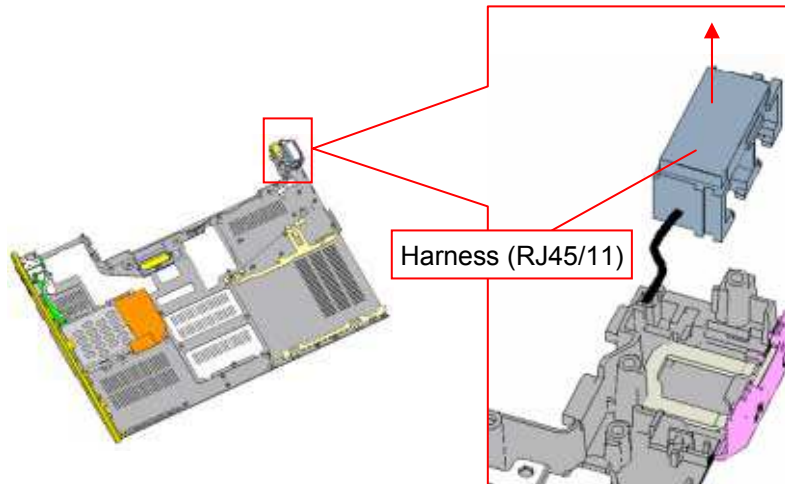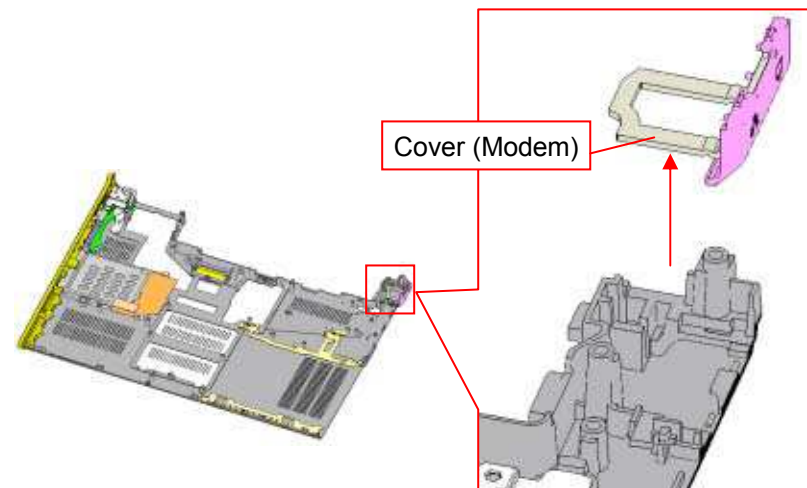
Sheet (DC)

2)
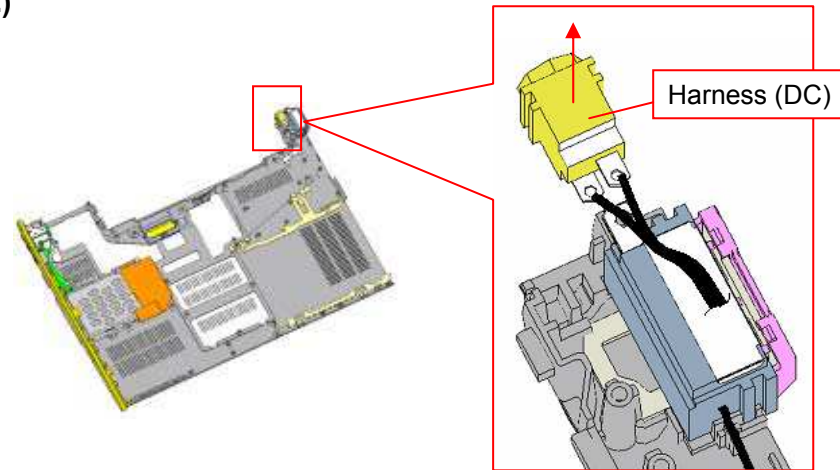
Harness (DC)

Remove the Harness (DC) by lifting it up vertically.

3)

Harness (RJ45/11)

Remove the Harness (RJ45/11) by lifting it up vertically.

4)

Cover (Modem)

Remove the Cover (Modem).

SZ Series

CNX-348 Board

1)

Screw: Red-B8 / Blue-B5

Gasket

Peel off the Gasket, and remove the three screws.

2)

Bracket (Dock-L)

Remove the Bracket (Dock-L).

3)

FPC

Pull out the FPC vertically.

4)

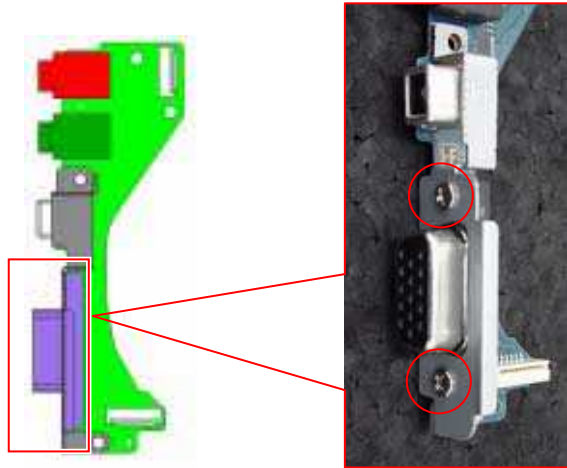Connector   CNX Board

Escutcheon (L)

Remove the CNX Board while removing the connector portion from the Escutcheon (L).

SZ Series

Parts of the CNX-348 Board

1)

Screw:B6

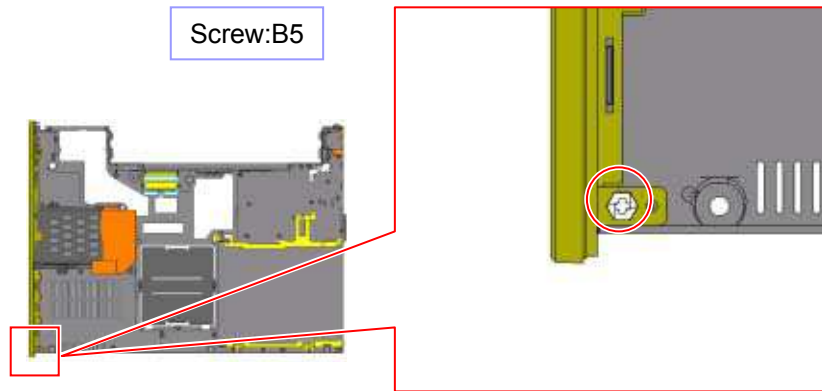Remove the two screws.

2)

CNX Board
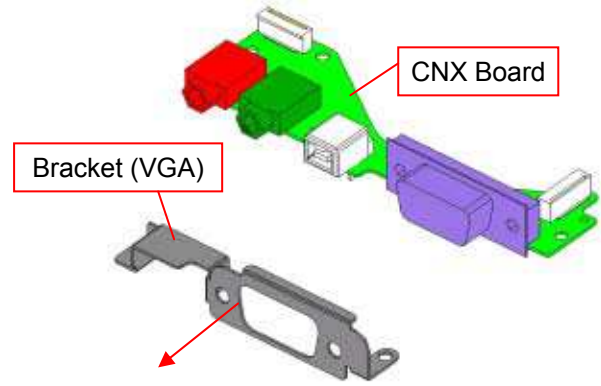
Bracket (VGA)

Remove the Bracket (VGA).

Escutcheon (L)

1)

Screw:B5

Remove the one screw.

2)
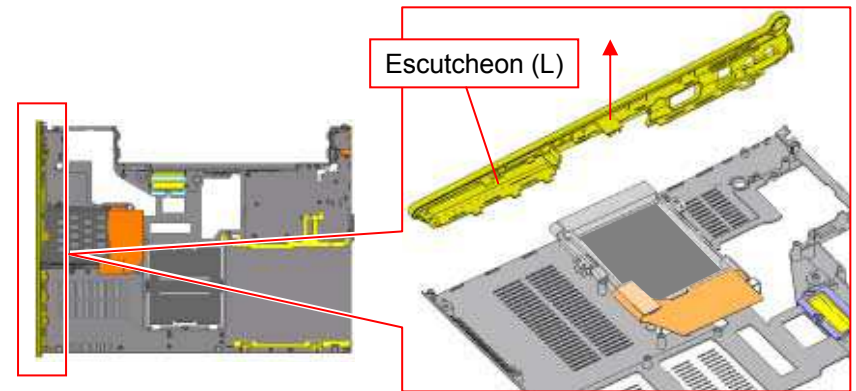
Escutcheon (L)

Remove the Escutcheon (L).

3)
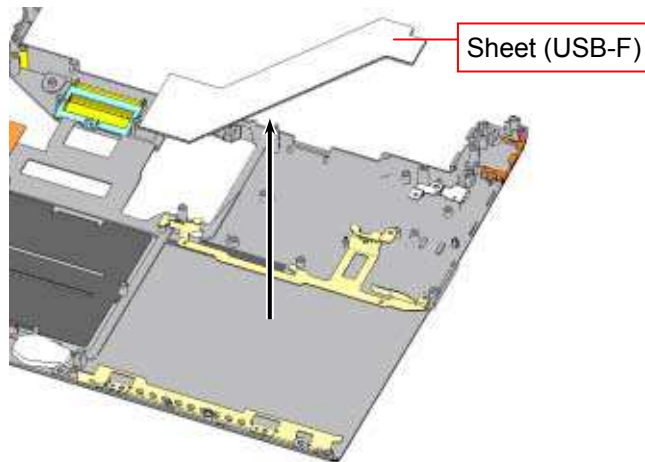
Sheet (USB-F)

Peel off the Sheet (USB-F).
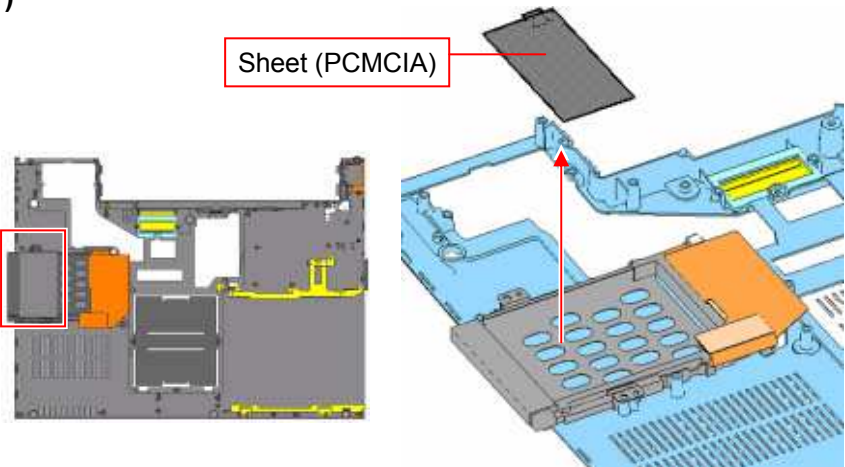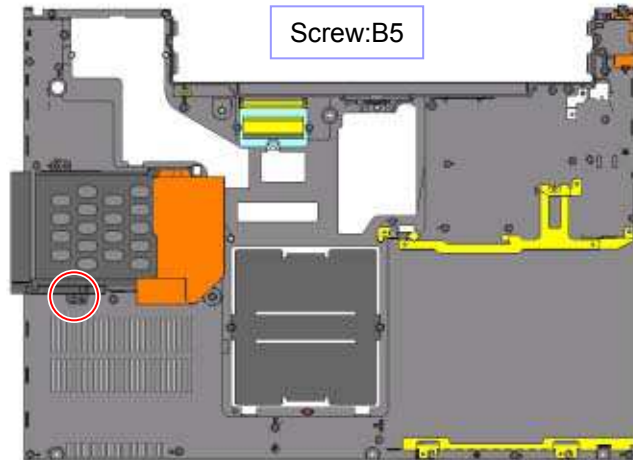
PC Card Connector

1)

Sheet (PCMCIA)

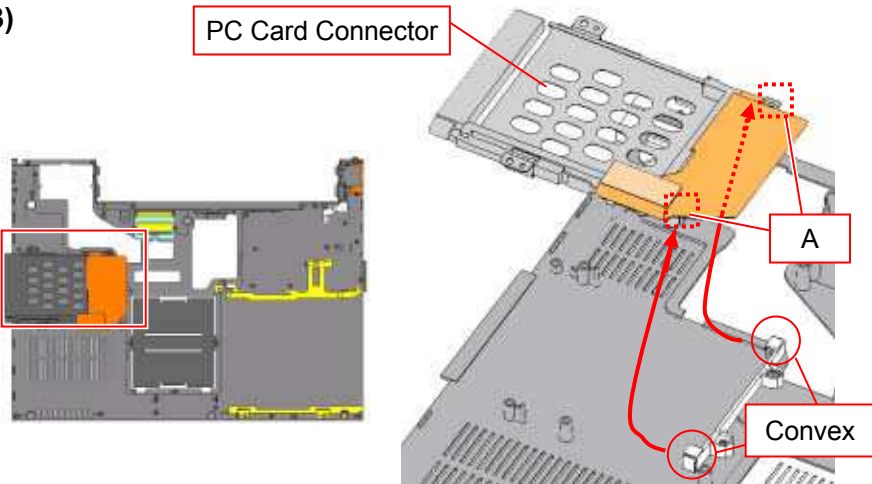Peel off the Sheet (PCMCIA).

2)

Screw:B5

Remove the screw.

3)

PC Card Connector
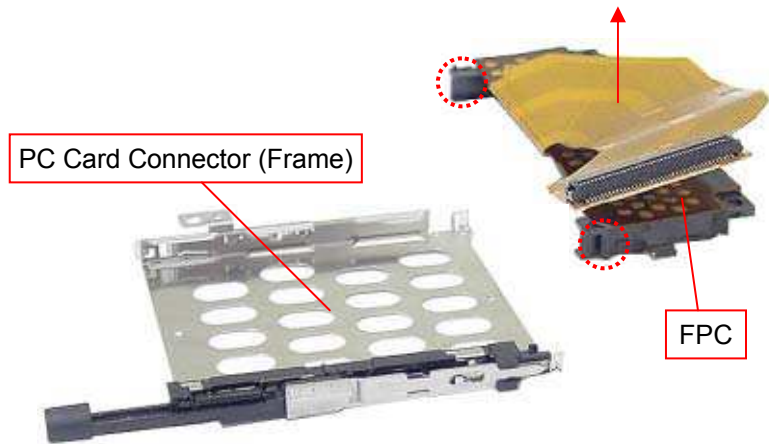
A

Convex

Remove the PC Card Connector while removing the A portion (two places) from the convex portion (two places).

Parts of the PC Card Connector

1)

PC Card Connector (Frame)

FPC

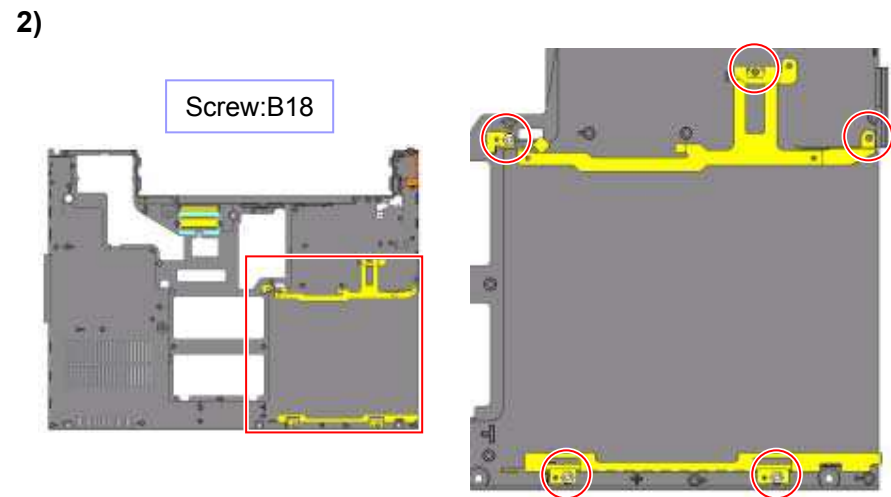Remove the FPC while disengaging the detent (two places).

Parts of the Housing (Bottom)

1)

Sheet (Memory)
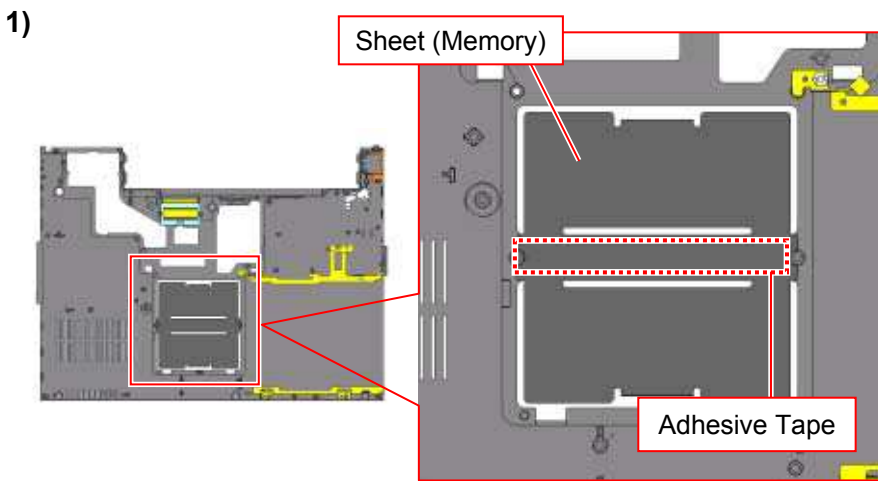
Adhesive Tape

Peel off the Sheet (Memory).
* The adhesive tape is attached on the bottom of it.

2)

Screw:B18

Remove the five screws.

3)

Bracket (OPT-R)

Bracket (OPT-L)
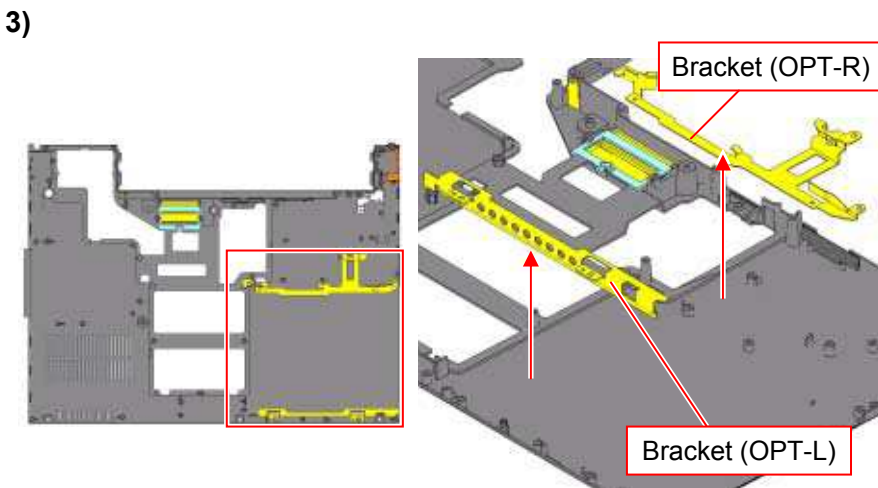
Remove the Bracket (two places).

4) ⚠5 [ADD]
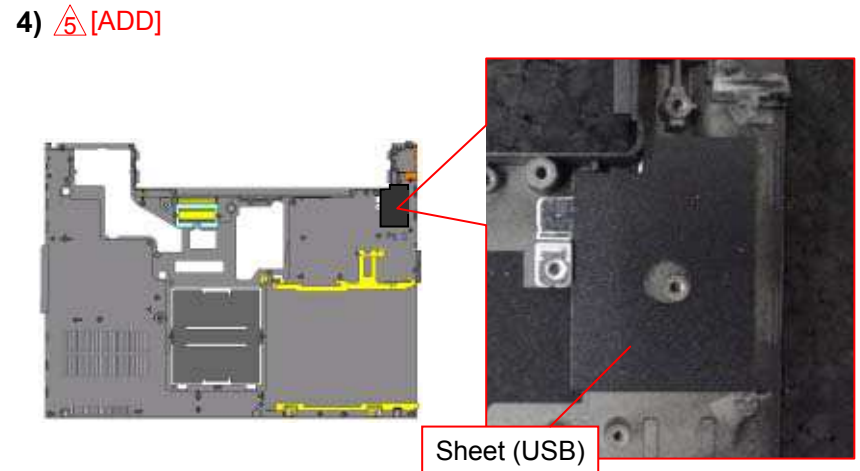
Sheet (USB)

Remove the Sheet (USB).

SZ Series

Update History

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

Date		Contents	Version No.
2006.02.27	⚠1	[CHG] Description (Page 13) [COR] Attachment (Page 13)	1.10
2006.03.28	⚠3	[ADD] Point (Page 7) / Attachment (Page 15, 29)	1.30
2006.04.13	⚠4	[MA] Parts (Page 2(a), 7, 24, 29, 30(a), 30(b), 34(a)) [ADD] Attachment (Page 35) [COR] Description (Page 29)	1.40
2006.04.26	⚠5	[ADD] Logo of Model Specification (Page 17) / Parts (Page 41)	2.00
2006.07.06	⚠8	[CHG] Attachment (Page 18) / Screw (Page 22)	2.30
2006.08.23	⚠9	[ADD] Attachment (Page 33)	3.00
2006.10.04	⚠11	[ADD] Screw (Page 30)	3.20