



Product End-of-Life Disassembly Instructions

Product Category: Workstations

Marketing Name / Model
[List multiple models if applicable.]

HP Z2 Mini G1i Workstation

HP Z2 Mini G1i Workstation Desktop PC

FCW-2401A

Purpose: The document is intended for use by end-of-life recyclers or treatment facilities. It provides the basic instructions for the disassembly of HP Inc. products to remove components and materials requiring selective treatment, as defined by EU directive 2012/19/EC, Waste Electrical and Electronic Equipment (WEEE).

NOTE: Recyclers should sort plastic materials into resin streams for recycling based on the ISO 11469 plastic marking code on the plastic part. For any questions on plastic marking or identification of location of parts or components requiring selective treatment, please contact [HP's Sustainability Contact](#).

1.0 Items Requiring Selective Treatment

1.1 Items listed below are classified as requiring selective treatment. An "X" in the list of components and parts indicates the product contains the component or part requiring selective treatment

Item Description	Components and parts requiring selective treatments	Quantity of items included in product
Printed Circuit Boards (PCB) or Printed Circuit Assemblies (PCA) with a surface greater than 10 sq cm	<input checked="" type="checkbox"/> Main board (MB) PCB <input checked="" type="checkbox"/> Solid state drive (SSD) PCB * 2pcs <input checked="" type="checkbox"/> Wireless LAN module (WLAN) PCB <input type="checkbox"/> Touch module PCB <input checked="" type="checkbox"/> Power supply PCB <input checked="" type="checkbox"/> External Keyboard (KB) <input checked="" type="checkbox"/> External Mouse <input checked="" type="checkbox"/> Others: <u>GPU PCB, Serial Board, Dual USB Board, Riser Board, DDR*2 pcs, Flex Board, Power board</u>	14
Batteries, excluding Li-Ion batteries. This includes standard alkaline, coin or button style batteries	<input checked="" type="checkbox"/> RTC/CMOS battery <input type="checkbox"/> Others: _____	1
Li-Ion batteries. Includes all Li-Ion batteries if more than one is provided with the product (such as a detachable notebook keyboard battery, etc.)	Li-ion battery(ies) are attached to the product by: <input type="checkbox"/> screws <input type="checkbox"/> snaps <input type="checkbox"/> adhesive <input type="checkbox"/> other. Explain _____	
Mercury-containing components. For example, mercury in lamps, display backlights, scanner lamps, switches, batteries		
Liquid Crystal Displays (LCD) with a surface greater than 100 sq cm. Includes background illuminated displays with gas discharge lamps	<input type="checkbox"/> Panel LCD	

Item Description	Components and parts requiring selective treatments	Quantity of items included in product
Cathode Ray Tubes (CRT)		
Capacitors / condensers (Containing PCB/PCT)		
Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height	<input type="checkbox"/> Power Supply capacitor(s) or condenser(s)	
External electrical cables and cords	<input checked="" type="checkbox"/> AC power cord <input type="checkbox"/> Audio, video or data cables <input type="checkbox"/> Other: _____	1
Gas Discharge Lamps		
Plastics containing Brominated Flame Retardants (not including external electrical cables and cords, PCBs or PCAs already listed as a separate item above)		
Components and parts containing toner and ink, including liquids, semi-liquids (gel/paste) and toner. Include the cartridges, print heads, tubes, vent chambers, and service stations.		
Components and waste containing asbestos		
Components, parts and materials containing refractory ceramic fibers		
Components, parts and materials containing radioactive substances		
Components containing chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC) or hydrofluorocarbons (HFC), hydrocarbons (HC)		

2.0 Tools Required

List the type and size of the tools that would typically be used to disassemble the product to a point where components and materials requiring selective treatment can be removed.

Tool Description	Tool Size (if applicable)
Screwdriver	T8
Screwdriver	T10
Screwdriver	T15

3.0 Product Disassembly Process

3.1 List the basic steps that should typically be followed to remove components and materials requiring selective treatment including the required steps to remove the external enclosure.

1. Follow steps described in Disassembly instruction & Operation Name (detail see 3.2 Optional Graphic)
2. If parts can be removed without using a tool, remove it first
3. Use correct screwdriver and torque value before unlock the screw

NOTE - For disassembly instructions of the external power supply (EPS), external keyboard (KB) external mouse and external cables and cords, refer to the links below:

- [Generic External Power Supply \(EPS\)](#)
- [Generic Keyboard](#)
- [Generic Mouse](#)
- [Generic cables and cords](#)

3.2 Location of components requiring selective treatment. The photos and/or graphics below identify the location of the parts or components requiring selective treatment within the main unit. For End-of-Life product disassembly instructions of external accessories including external power supply (EPS), external keyboard (KB) external mouse and external cables and cords, refer to the following URL: [End-of-Life Product Disassembly Instructions \(hp.com\)](#)

Main board (MB) PCB -----	Station 20
Solid state drive (SSD) PCB * 2pcs -----	Station 7
Wireless LAN module (WLAN) PCB -----	Station 11
GPU PCB -----	Station 2
Serial Board -----	Station 4
Dual USB Board -----	Station 4
Riser Board PCB -----	Station 5
DDR* 2pcs -----	Station 8
TBT Board -----	Station 9
Power board -----	Station 13
RTC/CMOS battery -----	Station 13

Standard operation guideline

Sub-assembly name: Disassemble SOP

Station: 1(1/1)

Operation name : disassemble Top cover

Ver.: 1.00 Date : 2024/12/20

Step :

-  1. Disassemble the Top cover(PIC 1)



1.Push the latch



PIC 1

Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
									
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

Standard operation guideline

Sub-assembly name: Disassemble SOP

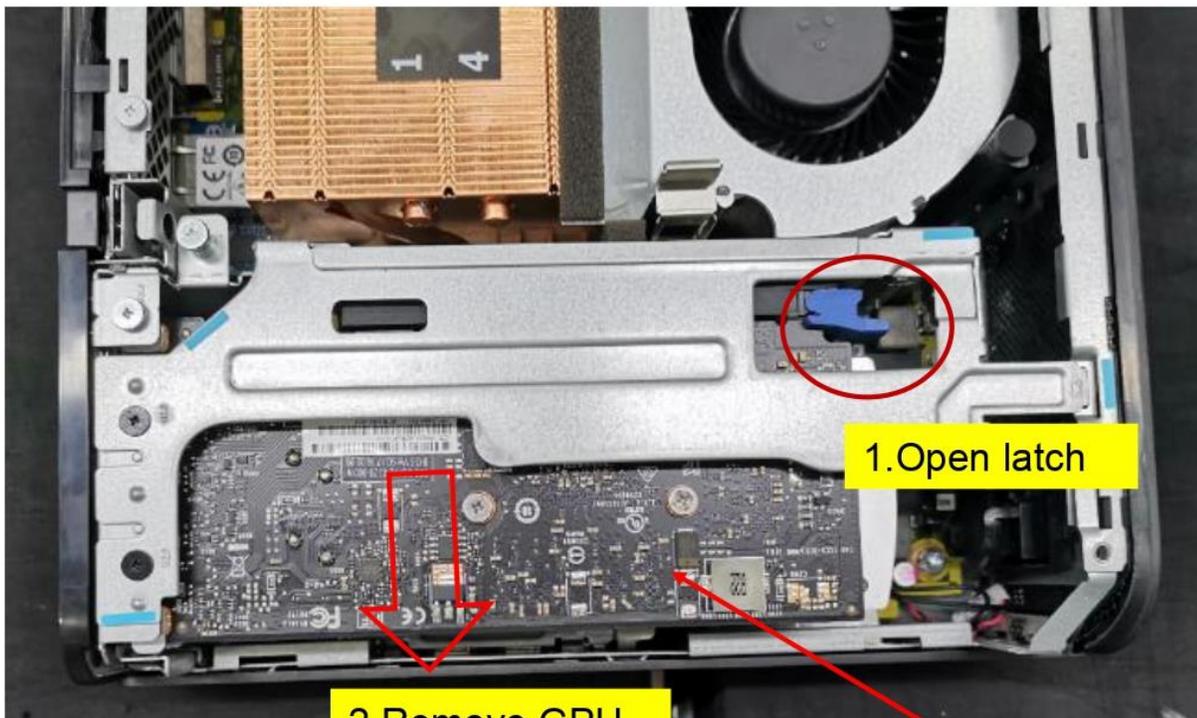
Station: 2(1/2)

Operation name : disassemble GPU

Ver.: 1.00 Date : 2024/12/20

Step :

1. Disassemble GPU (PIC 1)



Pic 1

Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
									
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

Standard operation guideline

Sub-assembly name: Disassemble SOP

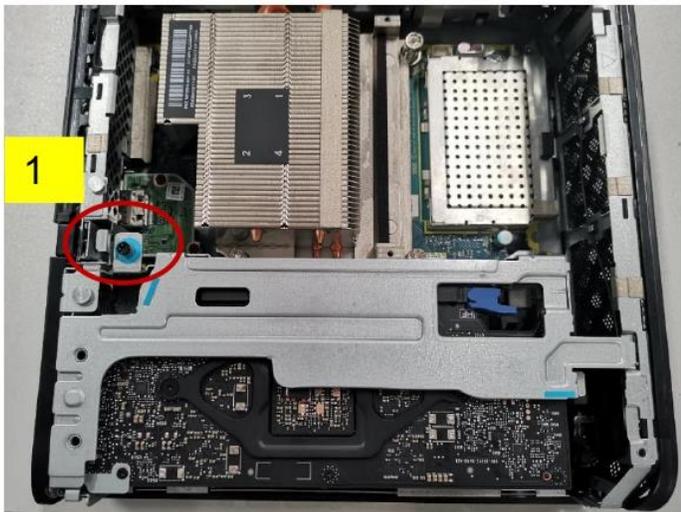
Station: 2(2/2)

Operation name : disassemble riser cage

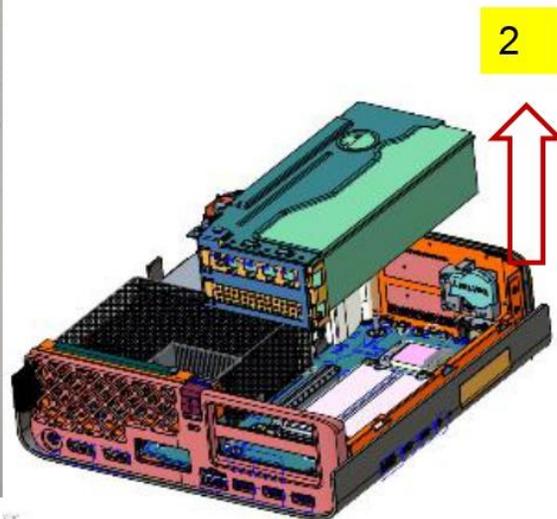
Ver.: 1.00 Date : 2024/12/20

Step :

1. Disassemble screw (PIC 1)
 - ◆ Torsion : $1.5 \pm 0.2 \text{ kgf} \cdot \text{cm}$
2. Disassemble riser cage (PIC 2)



Pic 1



Pic 2

Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
Electric screw drive (#1)	1								
		Saf e	qual ity	Ol der	To ol	li sten	Loo k	Hand	Sta tic

Standard operation guideline

Sub-assembly name: Disassemble SOP

Station: 3(1/1)

Operation name : disassemble riser cage

Ver.: 1.00 Date : 2024/12/20

Step :



1. Disassemble screw (PIC 1)
◆ Torsion : $1.5 \pm 0.2 \text{ kgf} \cdot \text{cm}$
2. Disassemble Serial board cable & Dual USB board FPC (PIC 2)



Pic 1



Pic 2

Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
Electric screw drive (#1)	1								
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

Standard operation guideline

Sub-assembly name: Disassemble SOP

Station: 4 (1/1)

Operation name : disassemble serial Board dual USB Board

Ver.: 1.00

Date : 2024/12/20



Pic 1

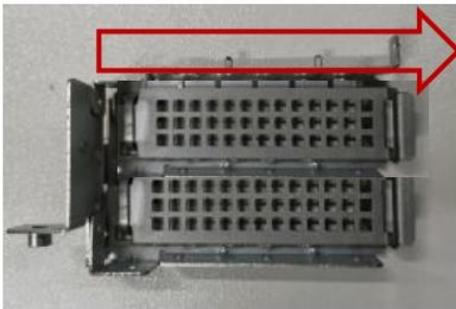
Step :

-  1. Disassemble Riser cage module(PIC 1)
-  2. Disassemble Serial board & Dual USB board screw (PIC 2)
 - ◆ Torsion : $1.5 \pm 0.2 \text{ kgf} \cdot \text{cm}$
-  3. Disassemble dummy bracket(PIC3)



serial /dual USB Board

Pic 2



Pic 3

Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
Electric screw drive (#1)	1								
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

Standard operation guideline

Sub-assembly name: Disassemble SOP

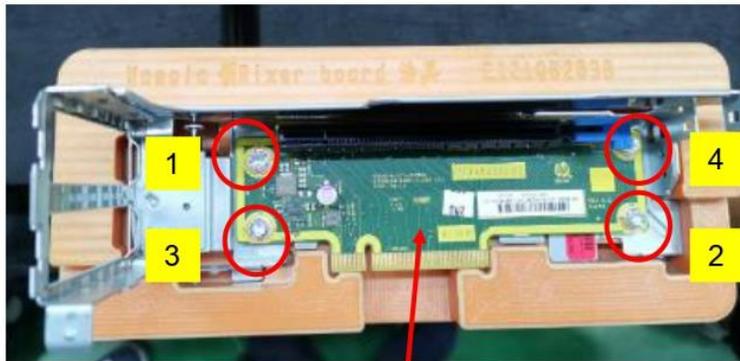
Station: 5(1/1)

Operation name : disassemble Riser board

Ver.: 1.00 Date : 2024/12/20

Step :

1. Disassemble screw *4(PIC 1)
 - ◆ Torsion : $2.5 \pm 0.2 \text{ kgf} \cdot \text{cm}$



Riser Board

PIC1

Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
Electric screw drive (T15)	1								
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

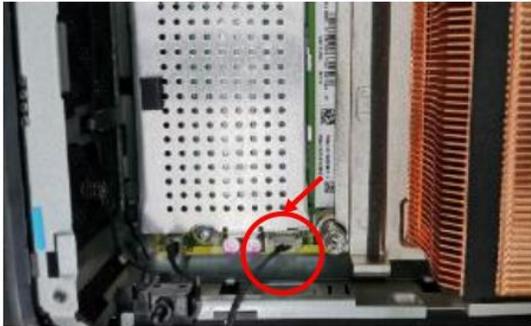
Standard operation guideline

Sub-assembly name: Disassemble SOP

Station: 6(1/2)

Operation name : disassemble CPU fan

Ver.: 1.00 Date : 2024/12/20



Step :



1. Disassemble CPU fan connector(PIC 1)

2. Disassemble CPU fan screw (PIC 2)

◆ Torsion : $1.5 \pm 0.2 \text{ kgf} \cdot \text{cm}$

图1

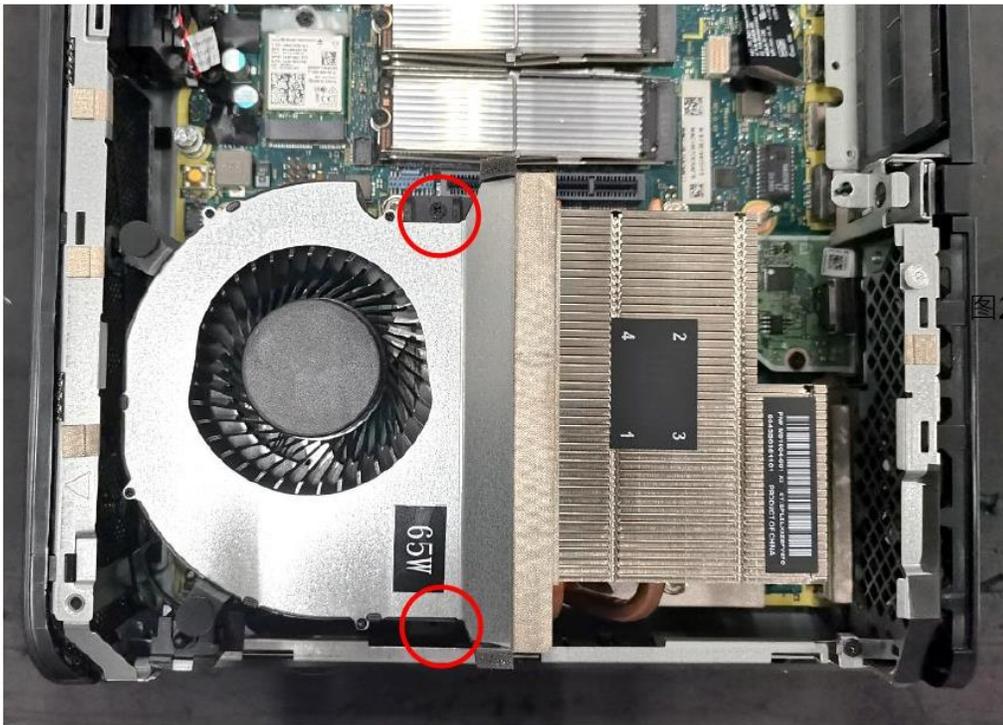


图2

Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
Electric screw drive (#1)	1								
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

Standard operation guideline

Sub-assembly name: Disassemble SOP

Station: 6(2/2)

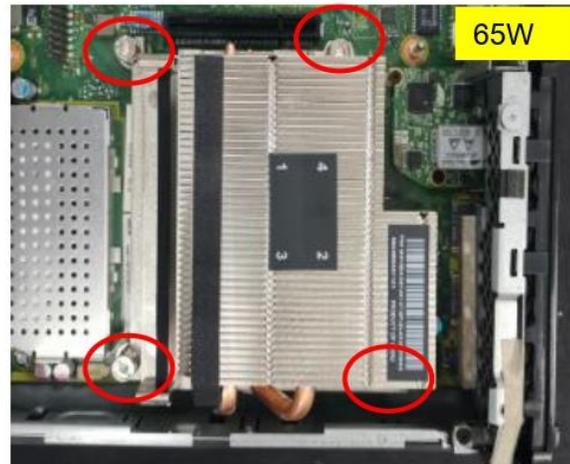
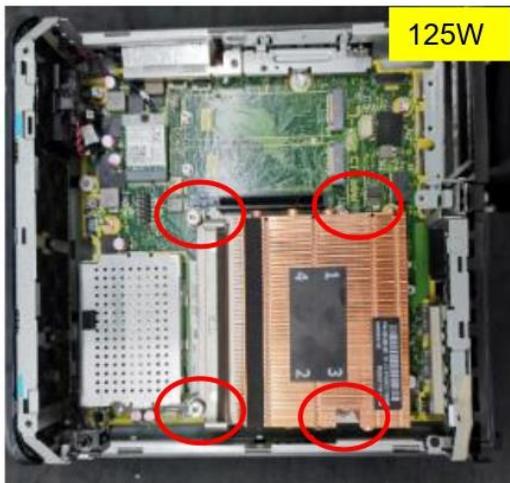
Operation name : disassemble CPU thermal module Ver.: 1.00 Date : 2024/12/20

Step :



1. Disassemble thermal screw ,
Remove Thermal module

◆ Torsion : $1.5 \pm 0.2 \text{ kgf} \cdot \text{cm}$



Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
Electric screw drive (T15)	1								
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

Standard operation guideline

Sub-assembly name: Disassemble SOP

Station: 7(1/1)

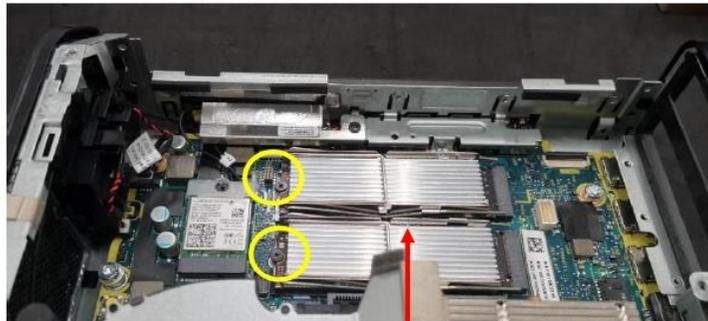
Operation name : Disassemble SSD

Ver.: 1.00 Date : 2024/12/20

Step :

- 1. Disassemble SSD screw *2 , remove SSD

◆ Torsion : $1.5 \pm 0.2 \text{ kgf} \cdot \text{cm}$



SSD

Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
Electric screw drive (#1)	1								
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

Standard operation guideline

Sub-assembly name: Disassemble SOP

Station: 8(1/1)

Operation name : Disassemble DDR & DDR door

Ver.: 1.00

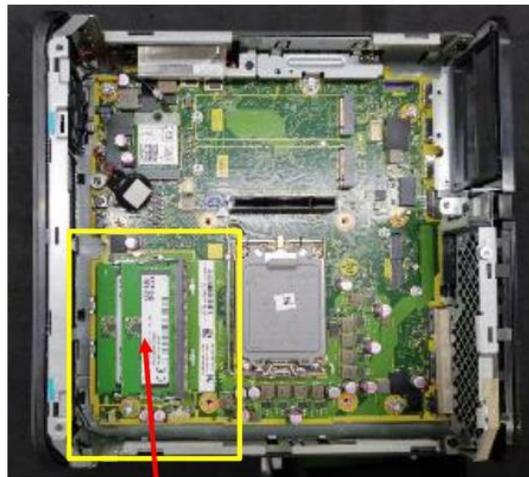
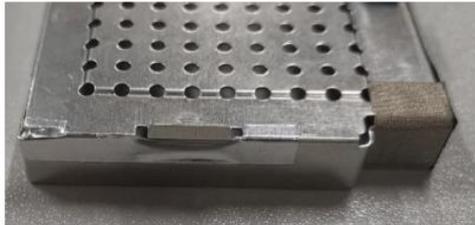
Date : 2024/12/20

Step :

1. Disassemble DDR shielding can (PIC 1)
2. Disassemble DDR (PIC 2)



PIC 1



DDR

PIC 2

Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

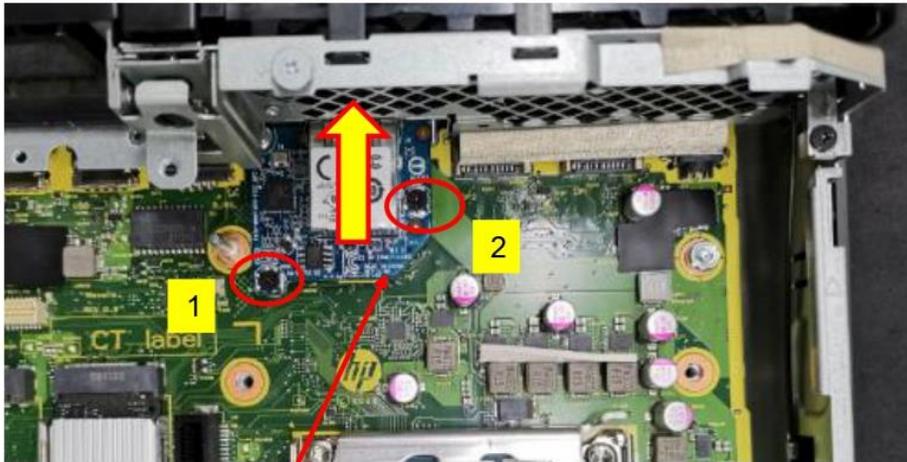
Standard operation guideline

Sub-assembly name: Disassemble SOP
Operation name : Disassemble TBT board

Station: 9(1/1)
Ver.: 1.00 **Date :** 2024/12/20

Step :

-  1. Disassemble TBT board screw*2 , remove TBT board(PIC1)



TBT Board

PIC1

Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
									
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

Standard operation guideline

Sub-assembly name: Disassemble SOP

Station: 10(1/1)

Operation name : disassemble CPU

Ver.: 1.00 Date : 2024/12/20



PIC1

Step :

-  1. Open the CPU door (PIC1)
-  2. Remove CPU (PIC2)



PIC2

Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
Electric screw drive (#1)	1								
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

Standard operation guideline

Sub-assembly name: Disassemble SOP

Station: 11(1/1)

Operation name Disassemble WLAN Module

Ver.: 1.00 Date : 2024/12/20

Step :

1. Disassemble WLAN Card CAP & screw *1 (PIC1)
❖ Torsion : **1.5±0.2kg/cm**
2. Remove WLAN card(PIC2)



PIC1



PIC2

WLAN card

Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
Electric screw drive (#1)	1								
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

Standard operation guideline

Sub-assembly name: Disassemble SOP

Station: 12(1/1)

Operation name :Disassemble hood sensor

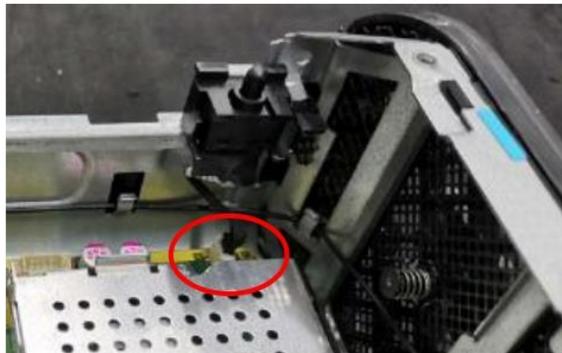
Ver.: 1.00 Date : 2024/12/20



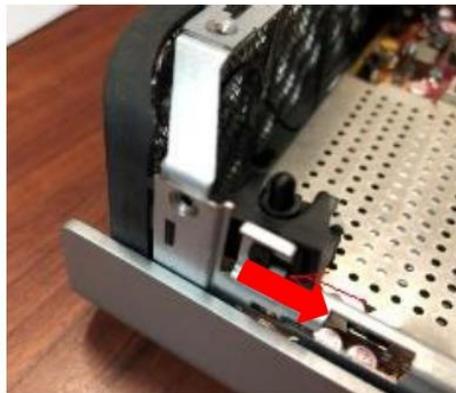
PIC1

Step :

-  1. Take out hood sensor cable(PIC1)
-  2. Remove hood sensor (PIC2)



PIC2



Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
									
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

Standard operation guideline

Sub-assembly name: Disassemble SOP

Station: 13(1/1)

Operation name :Disassemble battery & power board Ver.: 1.00 Date : 2024/12/20

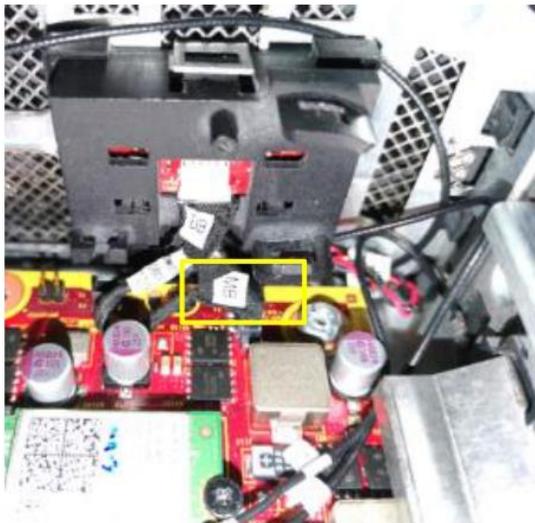


Step :

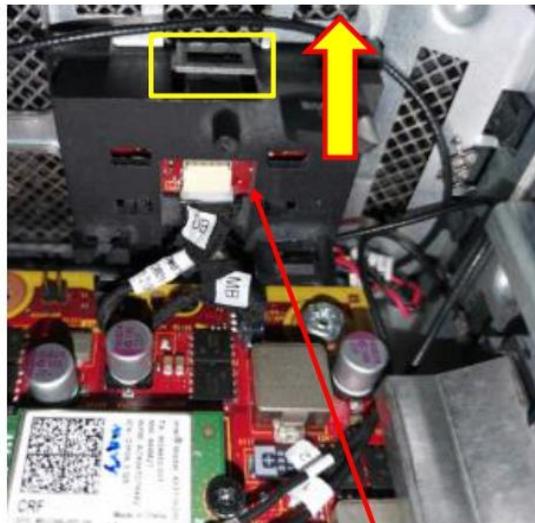
1. Disassemble battery(button cell)(PIC1)
2. Disassemble Power cable(PIC2)
3. Remove Power cable(PIC3), take out the Power Board

button cell

PIC1



PIC2



PIC3

power board

Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

Standard operation guideline

Sub-assembly name: Disassemble SOP

Station: 14(1/1)

Operation name :Disassemble main ANTENNA

Ver.: 1.00

Date : 2024/12/20

Step :



1. Disassemble screw *1(PIC1)

❖ Torsion : 1.5±0.2 kg/cm

2. Remove ANTENNA



PIC1

Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
Electric screw drive (#1)	1								
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

Standard operation guideline

Sub-assembly name: Disassemble SOP

Station: 15(1/2)

Operation name :Disassemble AUX ANTENNA

Ver. : 1.00 Date : 2024/12/20

Step :

1. Disassemble AUX ANTENNA



PIC1

Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
		+	◆	●	🧰	?	👁️	👤	⚡
		Safe	quality	Order	Tool	listen	Look	Hand	Static

Standard operation guideline

Sub-assembly name: Disassemble SOP

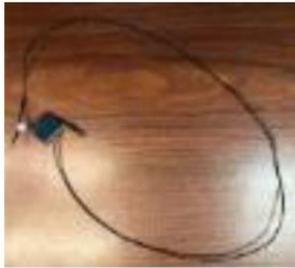
Station: 15(2/2)

Operation name :Disassemble AUX ANTENNA

Ver.: 1.00 Date : 2024/12/20

Step :

1. Disassemble screw*1 (PIC1)
❖ Torsion : 1.5±0.2 kg/cm
2. Remove ANTENNA



Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
Electric screw drive (#1)	1								
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

Standard operation guideline

Sub-assembly name: Disassemble SOP

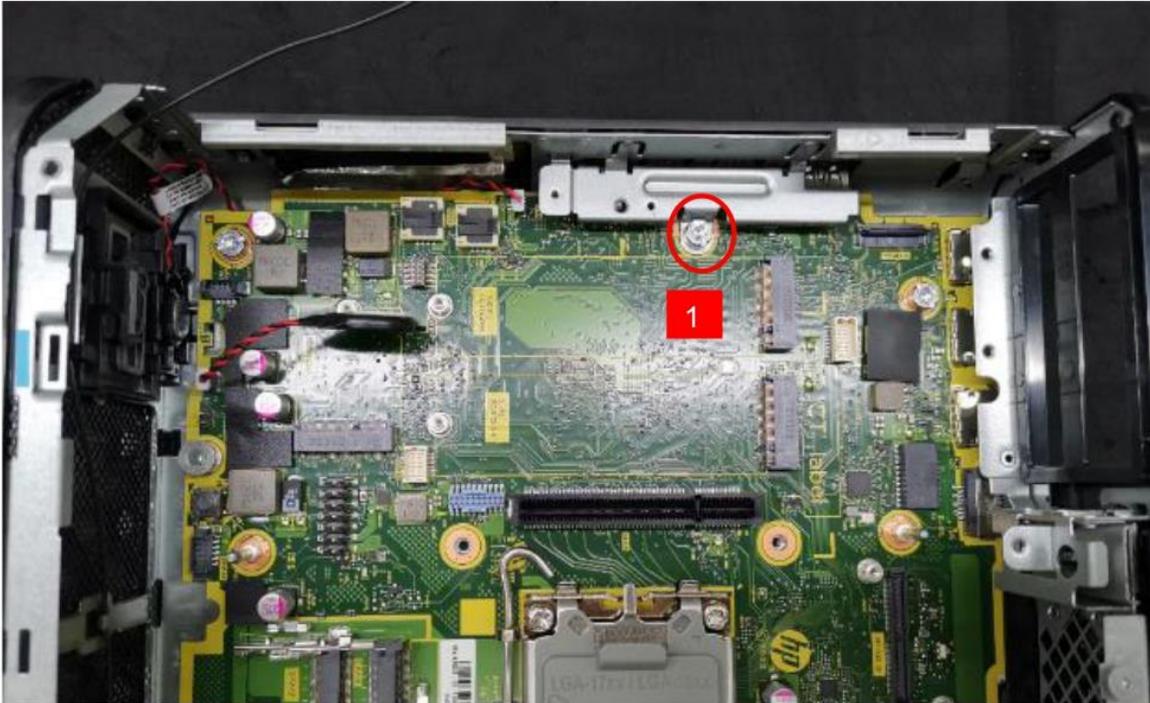
Station: 16(1/1)

Operation name :Disassemble said bracket

Ver.: 1.00 Date : 2024/12/20

Step :

1. Disassemble said bracket
❖ Torsion : 3.0±0.2 kg/cm



Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
Electric screw drive (T15)	1								
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

Standard operation guideline

Sub-assembly name: Disassemble SOP

Station: 17(1/1)

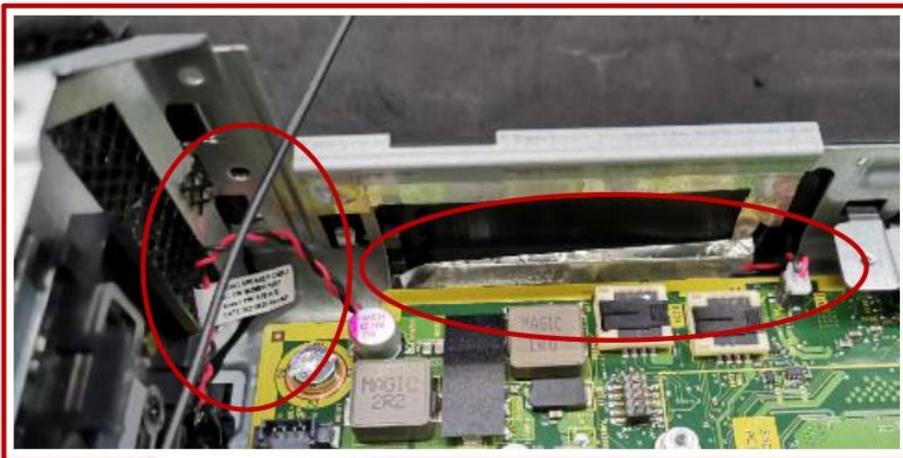
Operation name :Disassemble Speake cable

Ver.: 1.00 Date : 2024/12/20

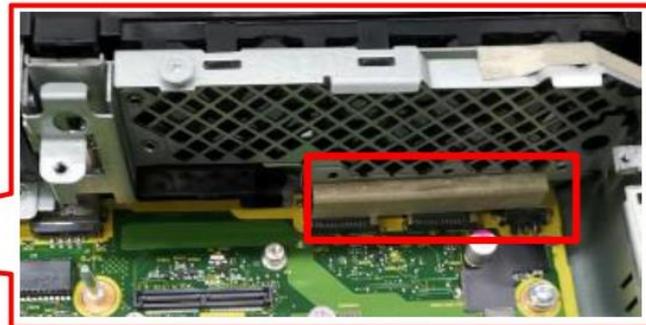
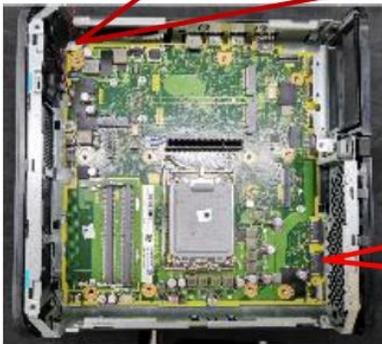
Step :

-  1. Disassemble Speaker cable(PIC1)
-  2. Remover Sponge (PIC2)

PIC1



PIC2



Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
									
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

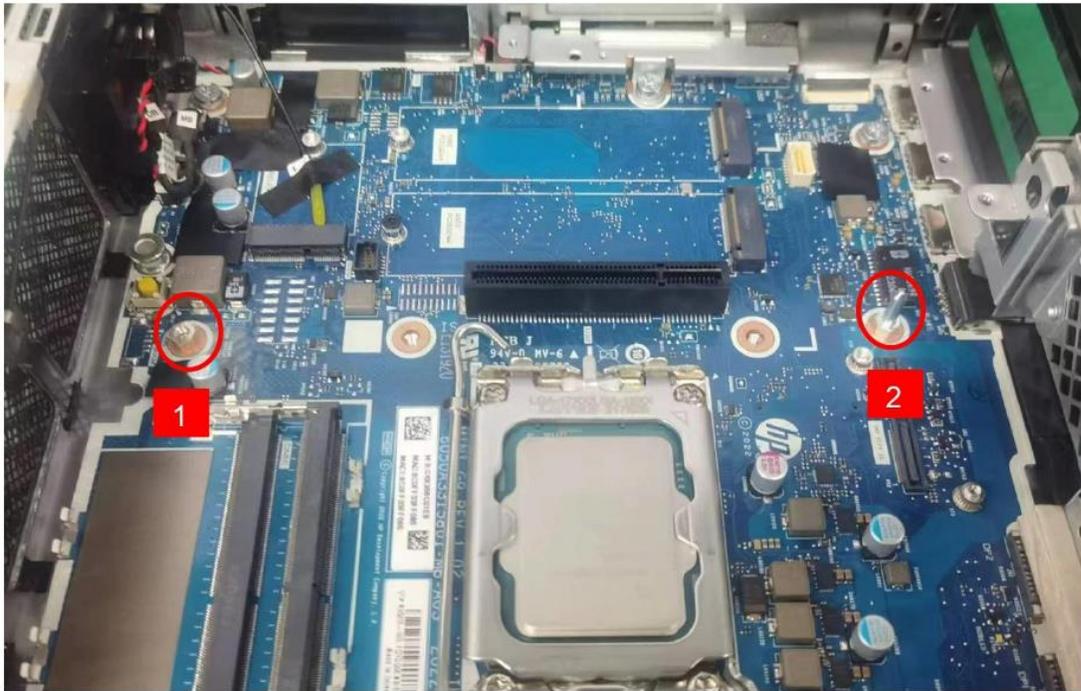
Standard operation guideline

Sub-assembly name: Disassemble SOP
Operation name : Disassemble MB screw

Station: 18(1/1)
Ver.: 1.00 **Date :** 2024/12/20

Step :

-  1. Disassemble MB screw (PIC1)



PIC1

Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
Electric screw drive	1								
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

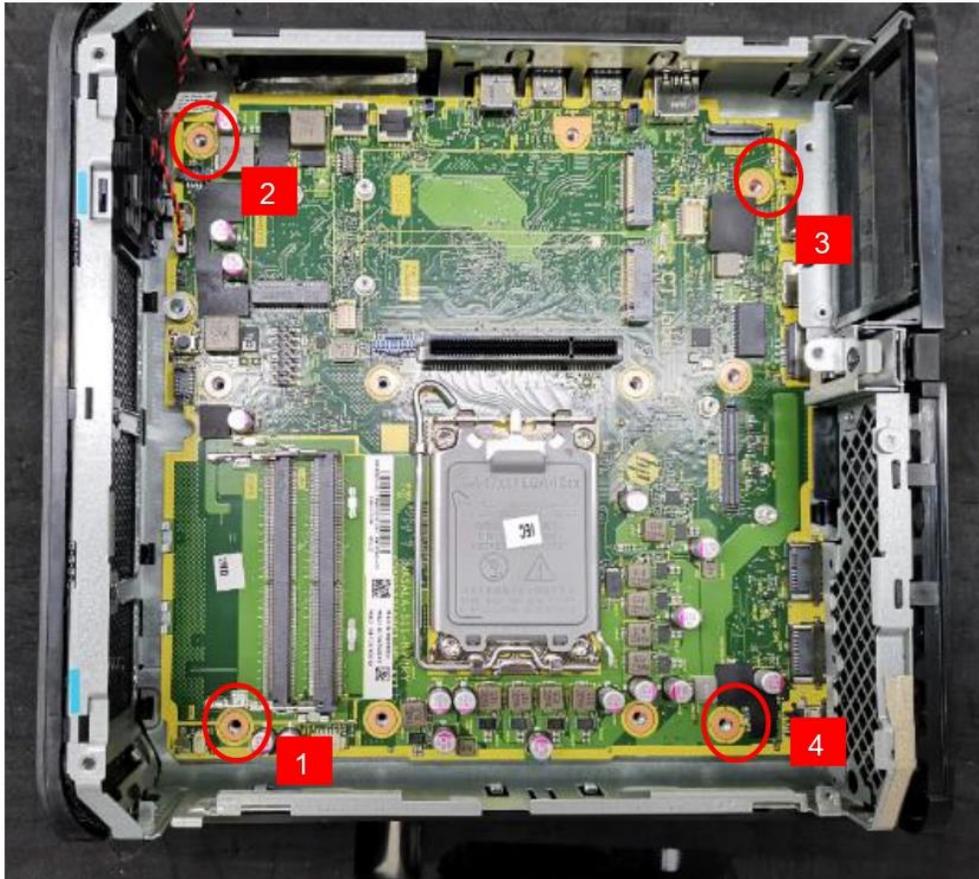
Standard operation guideline

Sub-assembly name: Disassemble SOP
Operation name :Disassemble MB screw

Station: 19(1/1)
Ver. : 1.00 **Date :** 2024/12/20

Step :

- 1. Disassemble MB screw *4(PIC1)
Torsion : 3.0±0.2 kg/cm



PIC1

Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
Electric screw drive (T15)	1								
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

Standard operation guideline

Sub-assembly name: Disassemble SOP

Station: 20(1/1)

Operation name :Disassemble MB

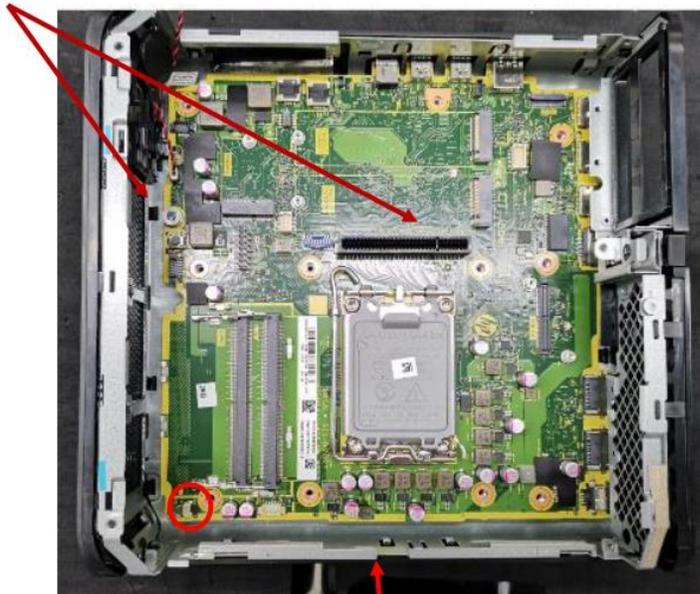
Ver. : 1.00 Date : 2024/12/20

Step :



1. Disassemble MB

Grasp the MB bolt ,
slowly lift the MB ,
and remove it



MB

Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
		Saf e	qual ity	Ol de r	To ol	li st en	Loo k	Hand	Sta tic

Standard operation guideline

Sub-assembly name: Disassemble SOP

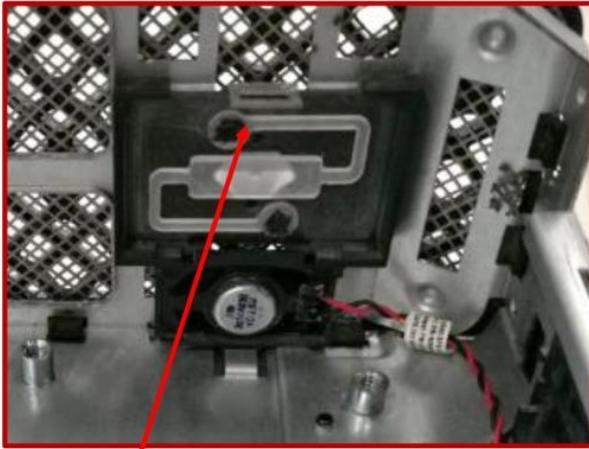
Station: 21(1/1)

Operation name : Disassemble Speaker

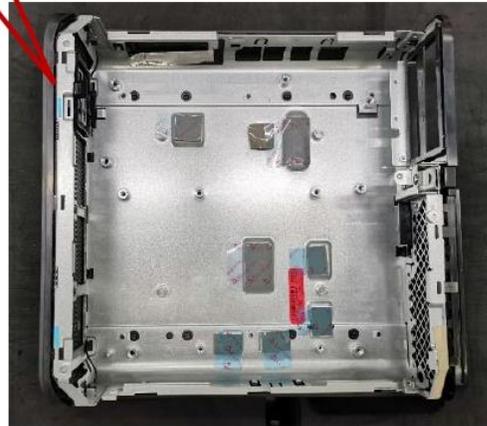
Ver. : 1.00 Date : 2024/12/20

Step :

1. Remove speaker



Press the hook and remove the speaker.



Notice : If have exception , please immediately notify offline handing

Tool list(Tool rule)	Qua	Mark							
		+	◆	●	🧰	?	👁️	👤	⚡
		Safe	quality	Order	Tool	listen	Look	Hand	Static