



Product End-of-Life Disassembly Instructions

Product Category: Notebooks and Tablet PCs

Marketing Name / Model

[List multiple models if applicable.]

HP EliteBook 840 G1 Notebook PC

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 products to remove components and materials requiring selective treatment, as defined by EU directive 2002/96/EC, Waste Electrical and Electronic Equipment (WEEE).

1.0 Items Requiring Selective Treatment

1.1 Items listed below are classified as requiring selective treatment.

1.2 Enter the quantity of items contained within the product which require selective treatment in the right column, as applicable.

Item Description	Notes	Quantity of items included in product
Printed Circuit Boards (PCB) or Printed Circuit Assemblies (PCA)	With a surface greater than 10 sq cm	1
Batteries	All types including standard alkaline and lithium coin or button style batteries	1
Mercury-containing components	For example, mercury in lamps, display backlights, scanner lamps, switches, batteries	0
Liquid Crystal Displays (LCD) with a surface greater than 100 sq cm	Includes background illuminated displays with gas discharge lamps	0
Cathode Ray Tubes (CRT)		0
Capacitors / condensers (Containing PCB/PCT)		0
Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height		0
External electrical cables and cords		0
Gas Discharge Lamps		0
Plastics containing Brominated Flame Retardants weighing > 25 grams (not including PCBs or PCAs already listed as a separate item above)		0
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.	0
Components and waste containing asbestos		0
Components, parts and materials containing refractory ceramic fibers		0

Components, parts and materials containing radioactive substances		0
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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)
Description #1	Cross head of screwdriver
Description #2	TORX T8 (2.31mm)
Description #3	
Description #4	
Description #5	

3.0 Product Disassembly Process

3.1 List the basic steps that should typically be followed to remove components and materials requiring selective treatment:

1. Follow steps described in Disassembly instruction (file attached)
2. If parts can be removed without using a tool, remove it first.
3. Use correct screwdriver and torque value before unlock the screw.
- 4.
- 5.
- 6.
- 7.
- 8.

3.2 Optional Graphic. If the disassembly process is complex, insert a graphic illustration below to identify the items contained in the product that require selective treatment (with descriptions and arrows identifying locations).



Standard Operation Procedure

Document No. Comet LCM DIS ASS'Y SOP

Station : 1(1/1)

Name : Disassemble Bezel or Touch-Panel

Ver. : 0.1

Date : 2013/07/19

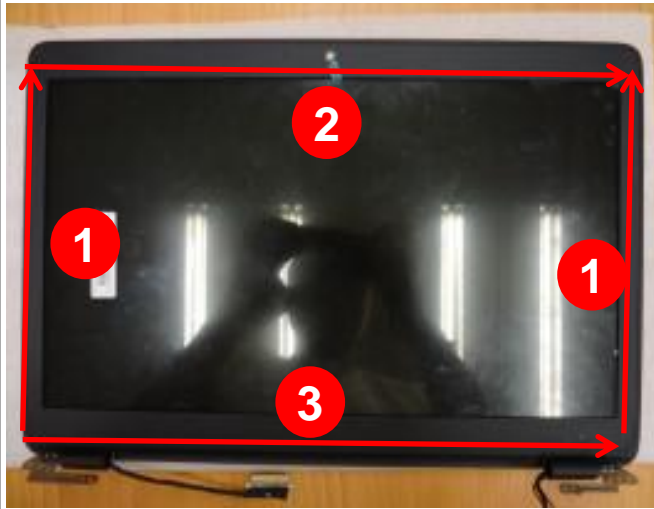


Fig.1

Step :

For Non-Touch Model

1. Disassemble Bezel. (Fig.1)

For Touch Model

1. Disassemble touch panel and disconnect touch panel cable CNTR. (Fig.2 / Fig.3)



Fig.2

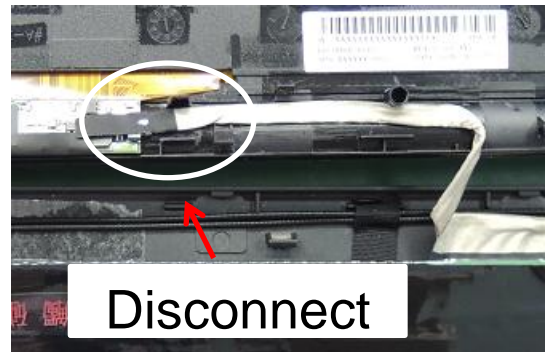


Fig.3

Notes : If finding anything uncommon, notice foreman or assistant at once.

Holding fixture list (holding fixture standard)	Qty	Holding fixture list (holding fixture standard)	Qty

Tabulator : Alicia Chien

Auditor : Vick Weng

Issue department : NPSU-PPE



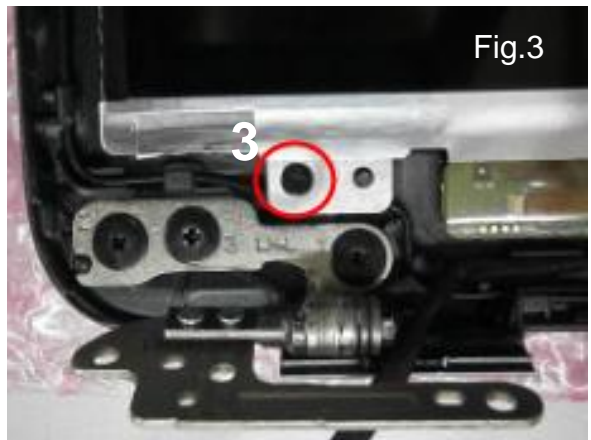
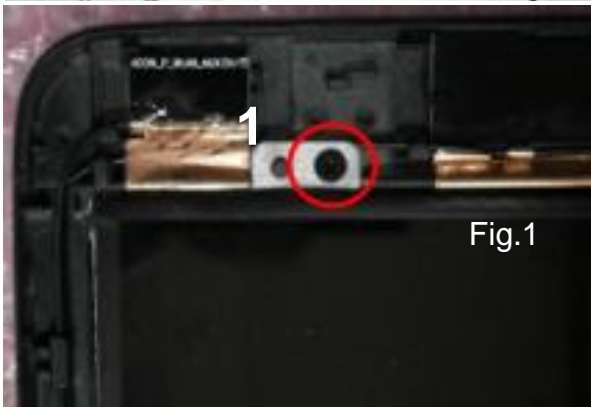
Standard Operation Procedure

Document No. Comet LCM DIS ASS'Y SOP

Station : 2(1/1)

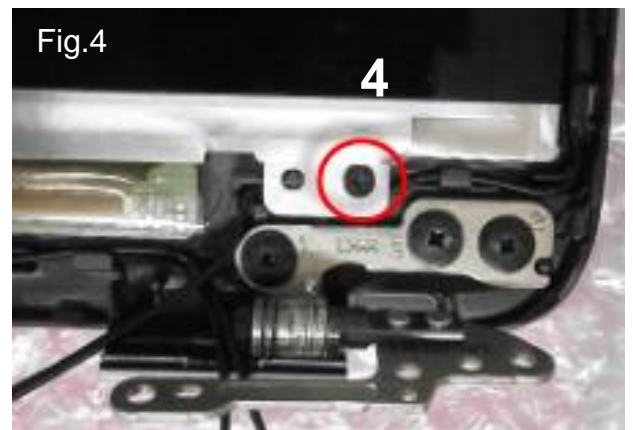
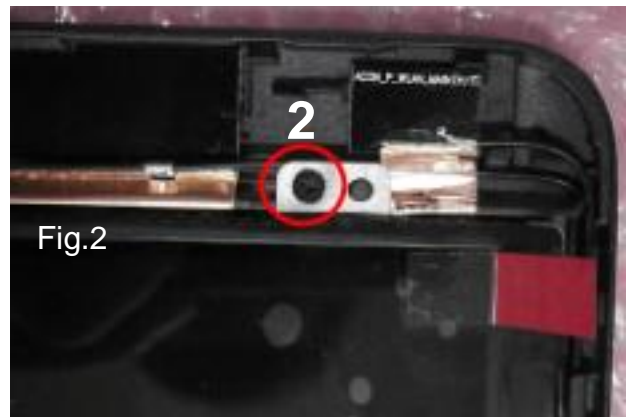
Name : Loosen Screws

Ver. : 0.1 Date : 2013/07/19



Step :

1. Loosen screw* 4.



Notes : If finding anything uncommon, notice foreman or assistant at once.

Holding fixture list (holding fixture standard)	Qty	Holding fixture list (holding fixture standard)	Qty
Electric cross screwdriver (#1)	1		

Tabulator : Alicia Chien

Auditor : Vick Weng

Issue department : NPSU-PPE



Standard Operation Procedure

Document No. Comet LCM DIS ASS'Y SOP

Station : 3(1/1)

Name : Disassemble Camera/Panel

Ver. : 0.1

Date : 2013/07/19

Step :

1. Disassemble camera from rear cover.
2. Disassemble LCM cable and panel from rear cover.

camera

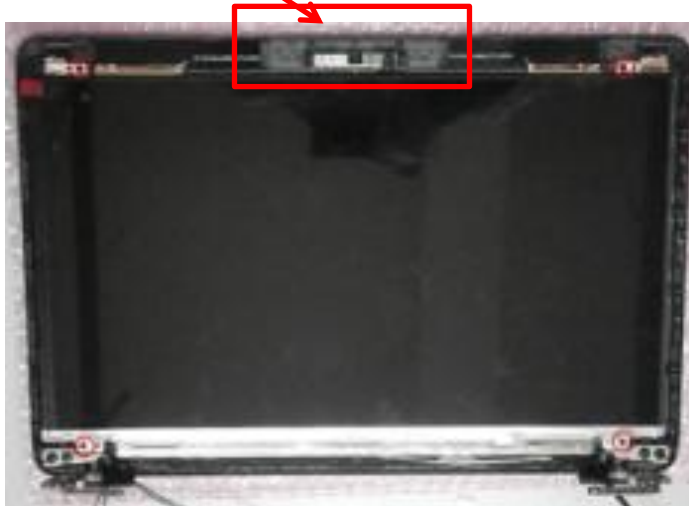


Fig.1

Notes : If finding anything uncommon, notice foreman or assistant at once.

Holding fixture list (holding fixture standard)	Qty	Holding fixture list (holding fixture standard)	Qty

Tabulator : Alicia Chien

Auditor : Vick Weng

Issue department : NPSU-PPE



Standard Operation Procedure

Document No. Comet LCM DIS ASS'Y SOP

Station : 4(1/1)

Name : Disassemble Camera/LCM Cable

Ver. : 0.1

Date : 2013/07/19



Fig.1

Step :

1. Disassemble camera or MIC/B. (Fig.1)
2. Disconnect LCM cable from panel. (Fig.2)



Fig.2

Notes : If finding anything uncommon, notice foreman or assistant at once.

Holding fixture list (holding fixture standard)	Qty	Holding fixture list (holding fixture standard)	Qty

Tabulator : Alicia Chien

Auditor : Vick Weng

Issue department : NPSU-PPE



Standard Operation Procedure

Document No. Comet LCM DIS ASS'Y SOP

Station : 5(1/1)

Name :Disassemble Antenna Cable

Ver. : 0.1

Date : 2013/07/19

- Step :
- 1. Disassemble all WLAN/WWAN cable.

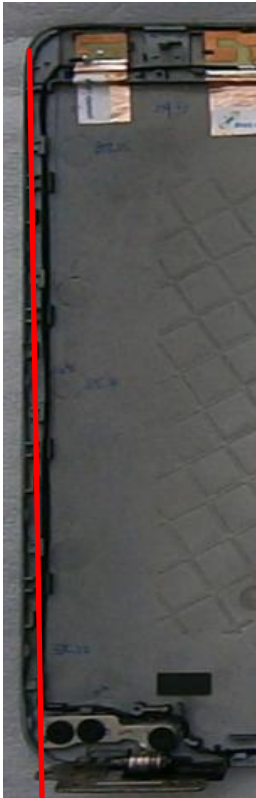


Fig.1

Notes : If finding anything uncommon, notice foreman or assistant at once.

Holding fixture list (holding fixture standard)	Qty	Holding fixture list (holding fixture standard)	Qty



Standard Operation Procedure

Document No. Comet LCM DIS ASS'Y SOP

Station : 6(1/1)

Name : Disassemble Hinges

Ver. : 0.1

Date : 2013/07/19

- Step :
- 1. Loosen hinge screw * 6.

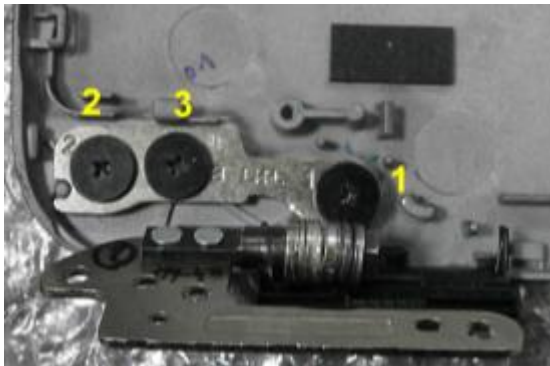


Fig.1

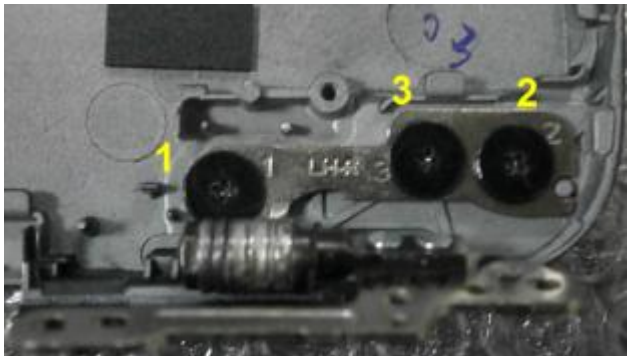


Fig.2

Notes : If finding anything uncommon, notice foreman or assistant at once.

Holding fixture list (holding fixture standard)	Qty	Holding fixture list (holding fixture standard)	Qty
Electric cross screwdriver (#1)	1		



Standard Operation Procedure

Document No. Comet LCM DIS ASS'Y SOP

Station : 7(1/1)

Name : Disassemble Hinge Cap and Rear Cover Ver. : 0.1 Date : 2013/07/19

Step :

1. Disassemble the left and right hinge caps.

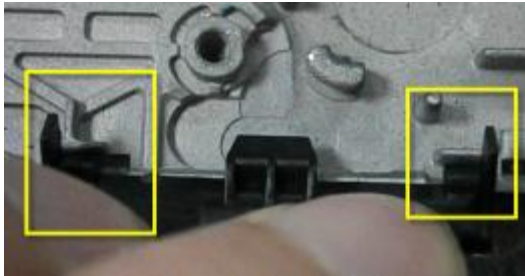


Fig.1

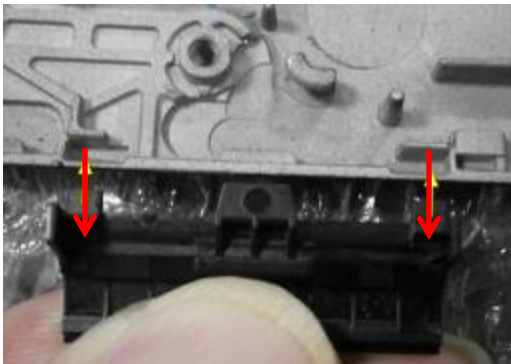


Fig.2

Notes : If finding anything uncommon, notice foreman or assistant at once.

Holding fixture list (holding fixture standard)	Qty	Holding fixture list (holding fixture standard)	Qty

Tabulator : Alicia Chien

Auditor : Vick Weng

Issue department : NPSU-PPE

Document No. : Comet FA DIS ASS'Y SOP
Station : 1(1/1)

Name : Disassemble Service Door
Ver. : 0.1
Date : 2013/07/17



Step :

- Disassemble service door.

Fig.1

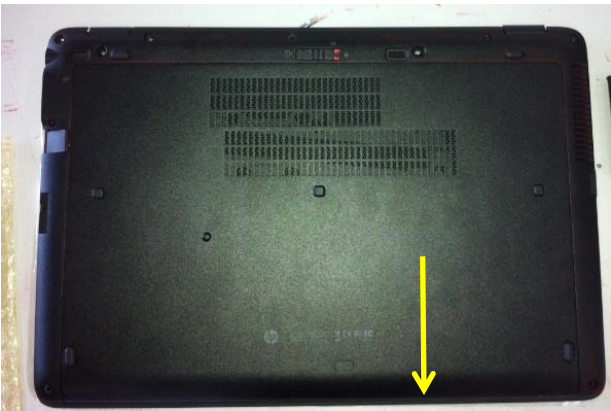


Fig.2



Fig.3



Fig.4

Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty



Standard Operation Procedure

Document No. : Comet FA DIS ASS'Y SOP

Station : 2(1/1)

Name : Loosen Screws & Remove Battery

Ver. : 0.1

Date : 2013/07/17



Fig.1

- Step :**
- 1. Remove the battery. (Fig.1)
 - 2. Loosen K /B set screw * 2. (Fig.2)



Fig.2

Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty
Electric cross screwdriver (#1)	1		



Standard Operation Procedure

Document No. : Comet FA DIS ASS'Y SOP

Station : 3(1/1)

Name : Disassemble HDD

Ver. : 0.1 Date : 2013/07/17

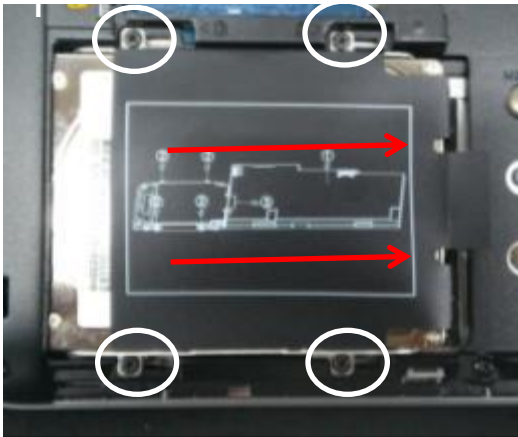


Fig.1

Step :

- 1.Loosen screw * 4, then remove the HDD.
(Fig.1)

Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty
Electric cross screwdriver (#1)	1		

Document No. : Comet FA DIS ASS'Y SOP

Station : 4(1/1)

Name : Disassemble SSD Card

Ver. : 0.1

Date : 2013/07/17

- Step :
- Loosen the screw (red circle), then remove the SSD card. (Fig.1)

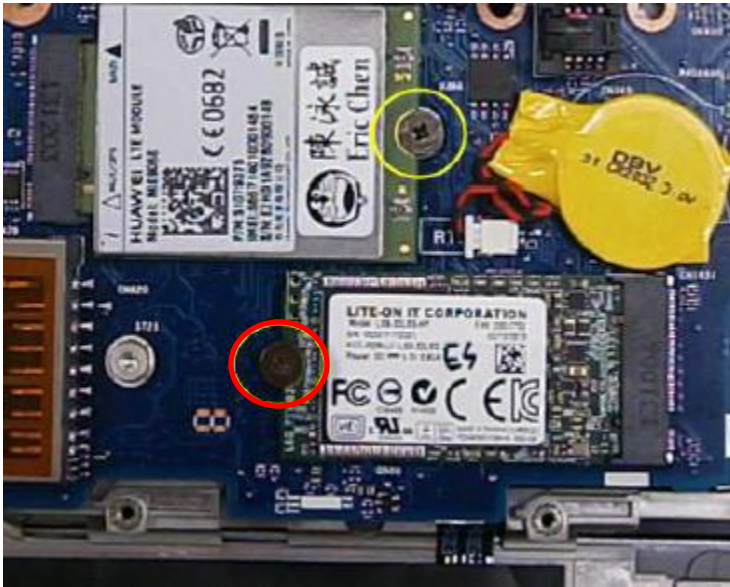


Fig.1

Notes : If finding anything uncommon , notice foreman or assistant at once.

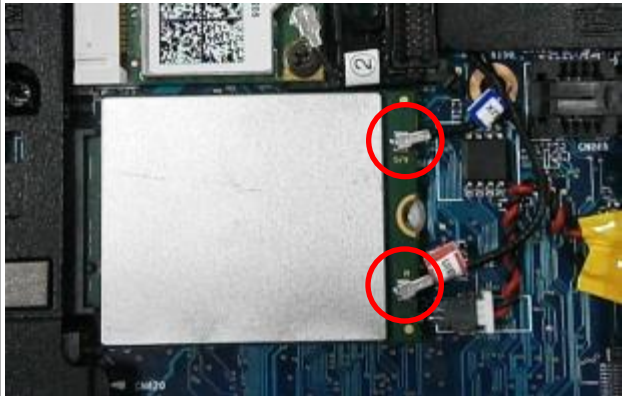
Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty
Electric cross screwdriver (#1)	1		



Standard Operation Procedure

Document No. : Comet FA DIS ASS'Y SOP
Name : Disassemble WWAN Card

Station : 5(1/1)
Ver. : 0.1 Date : 2013/07/17



- Step :**
- 1.Disconnect WWAN cables. (Fig.1)
 - 2. Loosen the screw. (Fig.2)
 - 3. Disassemble WWAN card. (Fig.3)

Fig.1



Fig.2

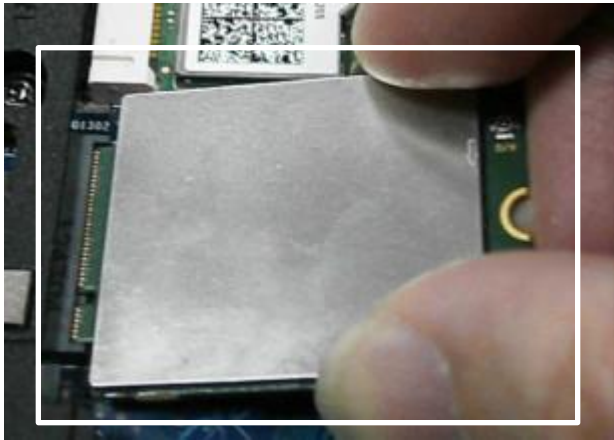


Fig.3

Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty
Electric cross screwdriver (#1)	1		

Document No. : Comet FA DIS ASS'Y SOP

Station : 6(1/1)

Name : Disassemble WLAN Card

Ver. : 0.1

Date : 2013/07/17



Fig.1



Fig.2

- Step :**
1. Disconnect WLAN cables. (Fig.1)
 2. Loosen the screw. (Fig.2)
 3. Disassemble WLAN card.

Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty
Electric cross screwdriver (#1)	1		



Standard Operation Procedure

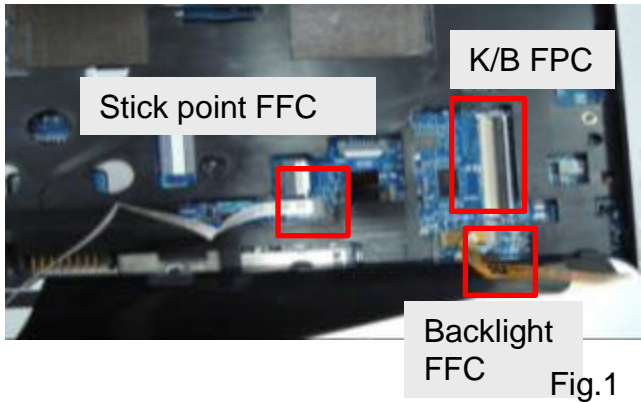
Document No. : Comet FA DIS ASS'Y SOP

Station : 7(1/1)

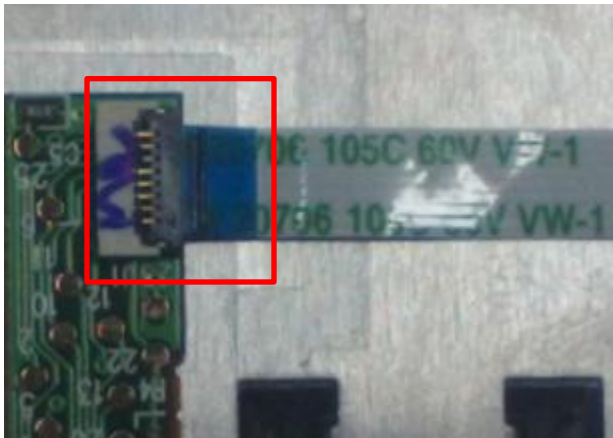
Name : Disassemble Keyboard and FFC

Ver. : 0.1

Date : 2013/07/17



- Step :**
1. Disconnect the three FFC / FPC. (Fig.1)
 2. Disassemble Keyboard.
 3. Disconnect stick point FFC from keyboard. (Fig.2)



Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty

Document No. : Comet FA DIS ASS'Y SOP

Station : 8(1/1)

Name : Disconnect F/P, Smart Card/B FFC

Ver. : 0.1

Date : 2013/07/17

- Step :**
1. Disconnect F/P, smart card board FFC from M/B.

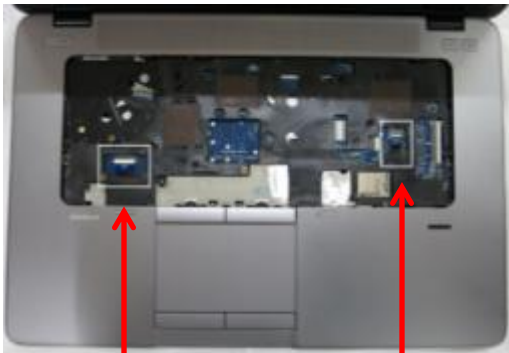


Fig.1



Fig.2



Fig.3

Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty

Document No. : Comet FA DIS ASS'Y SOP

Station : 9(1/1)

Name : Disassemble DDR

Ver. : 0.1

Date : 2013/07/17



Fig.1

- Step :**
- 1. Disassemble DDR. (Fig.1)
 - 2. Loosen the screw. (Fig.2)



Fig.2



Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty
Electric cross screwdriver (#1)	1		

Document No. : Comet FA DIS ASS'Y SOP

Station : 10(1/1)

Name : Loosen BTCB Screws

Ver. : 0.1

Date : 2013/07/17

Step :

1. Loosen BTCB screws. (Fig.1 / Fig.2)



Fig.1

Fig.2

Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty
Electric cross screwdriver (#1)	1		

Document No. : Comet FA DIS ASS'Y SOP

Station : 11(1/1)

Name : Loosen BTCB Screws

Ver. : 0.1

Date : 2013/07/17

- Step :
- 1.Loosen BTCB screw * 7.(Fig.1)



Fig.1

Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty
Electric torx screwdriver(T8)	1		



Standard Operation Procedure

Document No. : Comet FA DIS ASS'Y SOP

Station : 12(1/1)

Name : Loosen BTCB Screws

Ver. : 0.1 Date : 2013/07/17

Step :

1. Loosen BTCB screws. (Fig.1 / Fig.2)



Fig.1

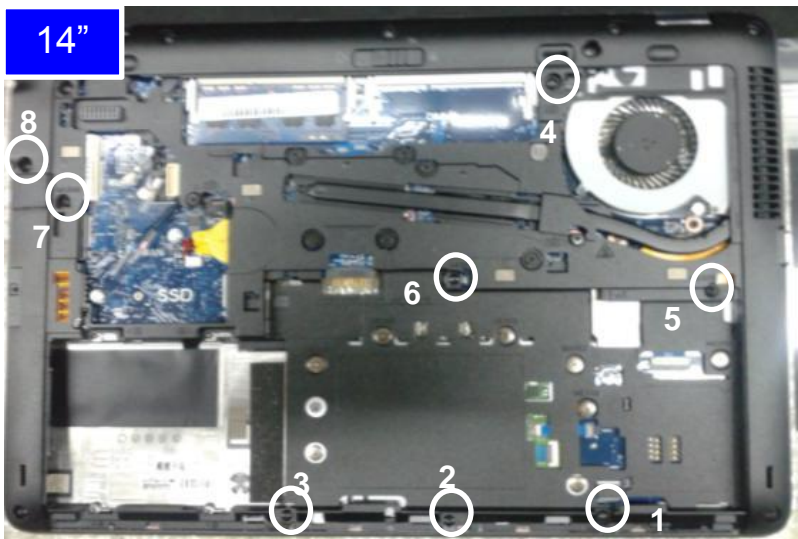


Fig.2

Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty
Electric torx screwdriver(T8)	1		



Standard Operation Procedure

Document No. : Comet FA DIS ASS'Y SOP

Station : 13(1/1)

Name : Loosen BTCB Screws

Ver. : 0.1 Date : 2013/07/17

Step :

1. Loosen BTCB screws. (Fig.1 / Fig.2)

15"



Fig.1

14"



Fig.2

Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty
Electric torx screwdriver(T8)	1		



Standard Operation Procedure

Document No. : Comet FA DIS ASS'Y SOP

Station : 14(1/1)

Name : Disassemble BTCB

Ver. : 0.1 Date : 2013/07/17

Step :

- 1. Disassemble BTCB.



Fig.1



Fig.2



Fig.3

Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty

Document No. : Comet FA DIS ASS'Y SOP

Station : 15(1/1)

Name :Disassemble Speaker Cable , Antenna

Ver. : 0.1

Date : 2013/07/17

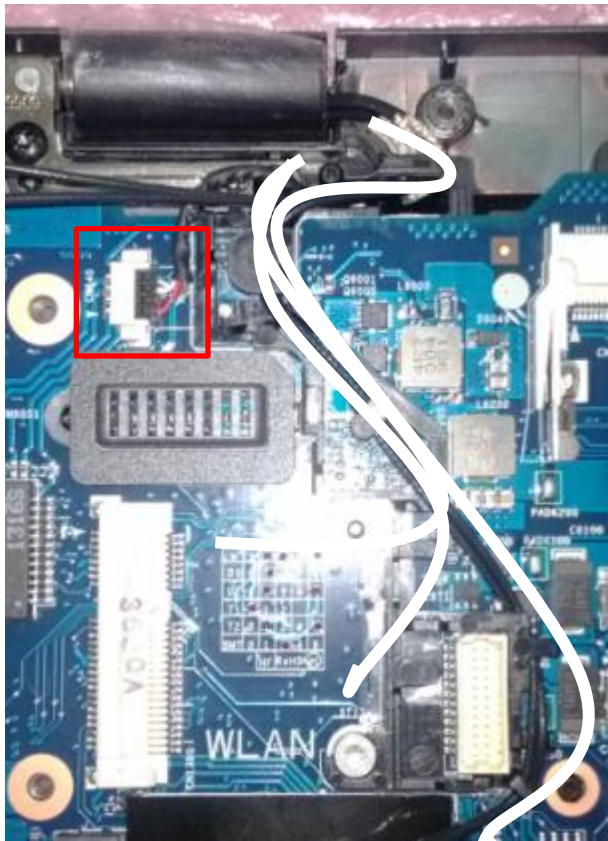


Fig.1

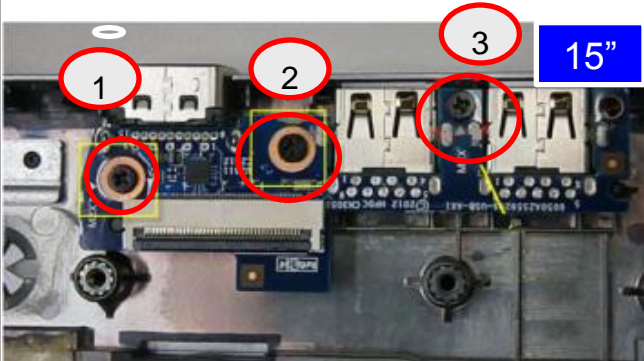
- Step :**
- 1. Disassemble all WLAN/WWAN cables.
 - 2. Disassemble speaker cable.

Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty

Document No. : Comet FA DIS ASS'Y SOP
Name :Disassemble USB

Station : 16(1/1)
Ver. : 0.1 Date : 2013/07/17



- Step :**
1. 15" : Loosen screw* 3.
14" : Loosen screw* 2.
 2. Disassemble USB/B.

Fig.1

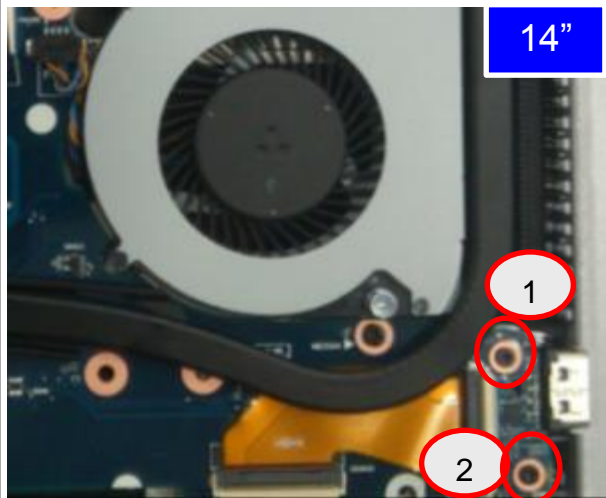


Fig.2



Fig.3

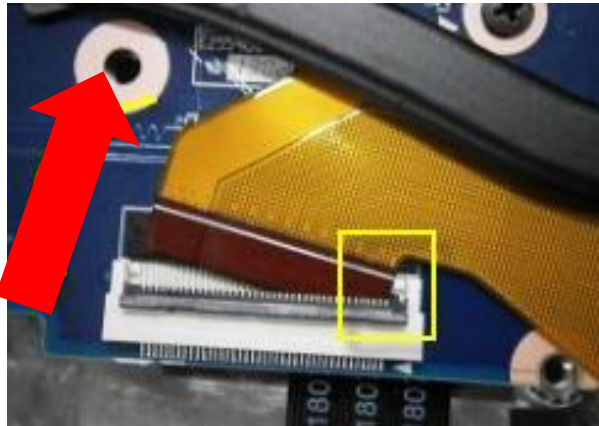


Fig.4

Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty
Electric cross screwdriver (#1)	1		

Document No. : Comet FA DIS ASS'Y SOP

Station : 17(1/1)

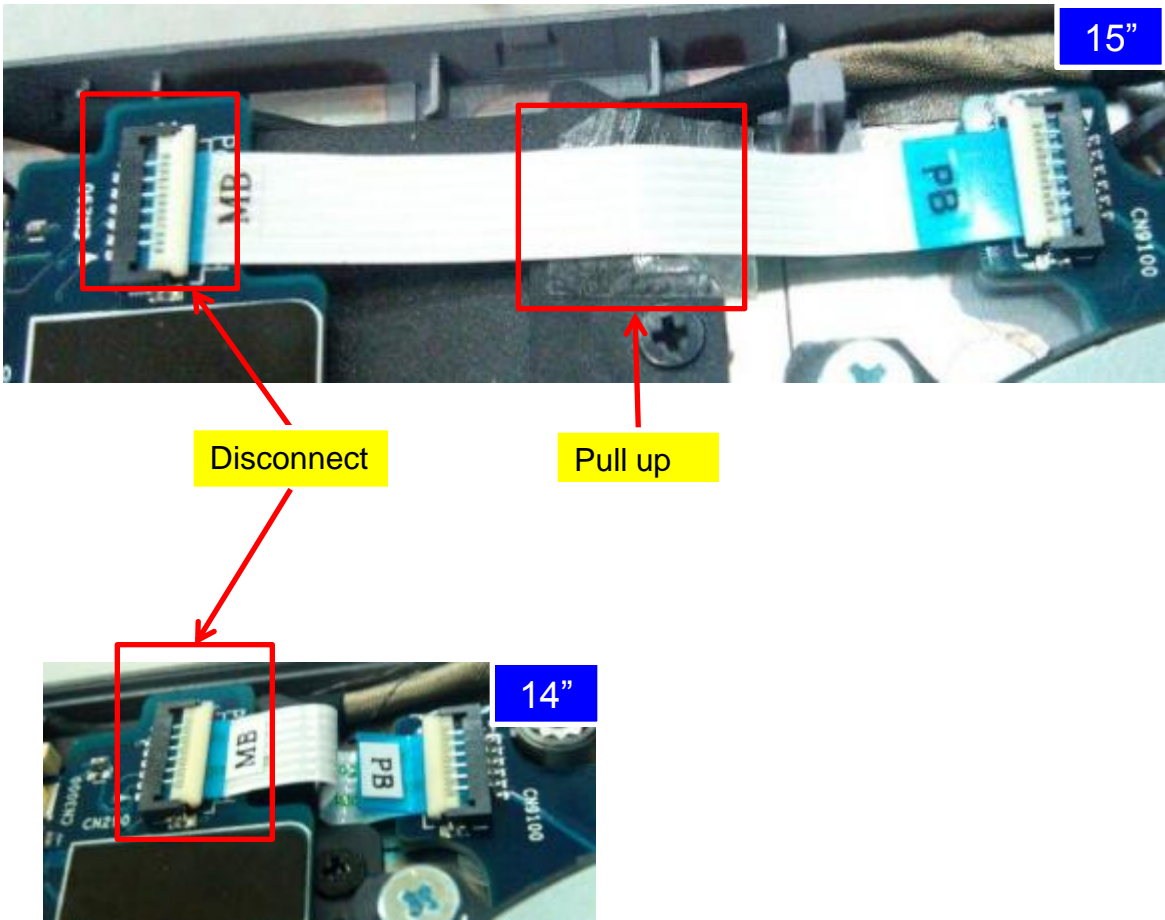
Name :Disassemble FFC

Ver. : 0.1

Date : 2013/07/17

Step :

1. Disassemble power/B FFC from M/B.



Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty



Standard Operation Procedure

Document No. : Comet FA DIS ASS'Y SOP

Station : 18(1/1)

Name :Disassemble Fan & LCM cable

Ver. : 0.1

Date : 2013/07/17

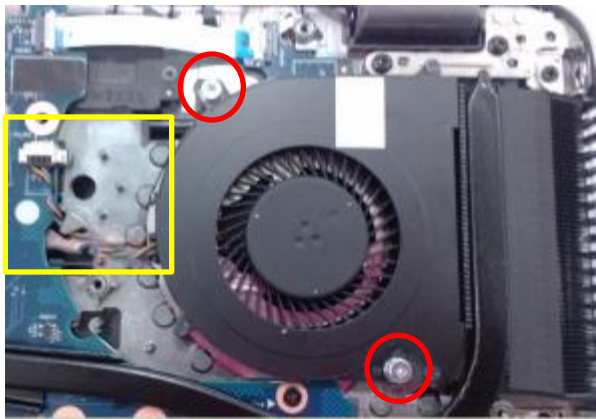


Fig.1

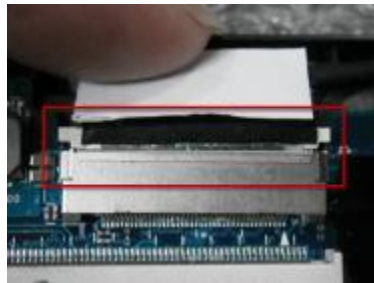


Fig.2

- Step :**
- 1.Loosen fan screw* 2. (Fig.1)
 - 2. Disconnect fan cable from M/B. (Fig.1)
 - 3. Disassemble LCM CNTR. (Fig.2)

Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty
Electric cross screwdriver (#1)	1		



Standard Operation Procedure

Document No. : Comet FA DIS ASS'Y SOP
Name :Disassemble M/B

Station : 19(1/1)
Ver. : 0.1 Date : 2013/07/17



- Step :**
- 1. Loosen M/B screw* 3.
(Fig.1 / Fig.2 / Fig.3 / Fig.4)
 - 2. Take up the M/B. (Fig.5)

Fig.1



Fig.2

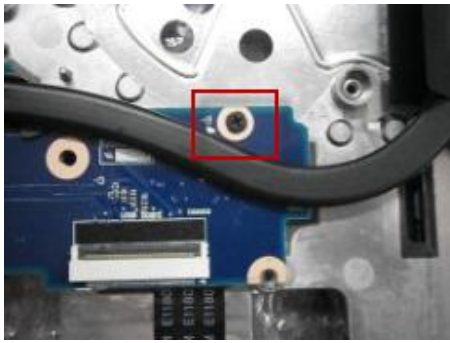


Fig.3



Fig.5



Fig.4

Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty
Electric cross screwdriver (#1)	1		



Standard Operation Procedure

Document No. : Comet FA DIS ASS'Y SOP

Station : 20(1/1)

Name :Disassemble Thermal

Ver. : 0.1 Date : 2013/07/17



Step :

- 1.Put the M/B on support fixture.
- 2.Loosen set screws, remove the thermal.

Fig.1

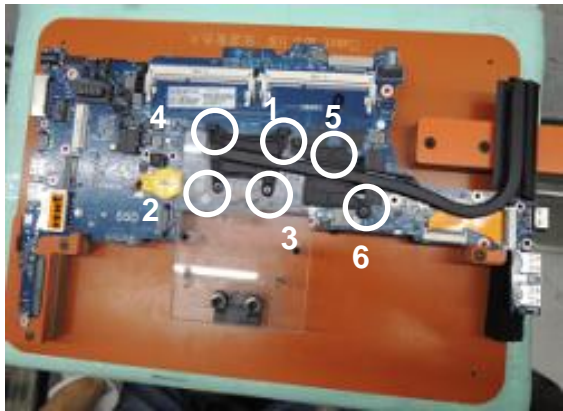


Fig.2

Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty
Electric cross screwdriver (#1)	1		
M/B support fixture – B Side (14 or 15)	1		



Standard Operation Procedure

Document No. : Comet FA DIS ASS'Y SOP

Station : 21(1/1)

Name : Separate LCM and BU

Ver. : 0.1 Date : 2013/07/17

Step :

- 1. Open the notebook, then put it on support fixture.
- 2. Loosen screw * 4. (Fig.1 / Fig.2 / Fig.3)
- 3. Separate LCM and BU.



Fig.1

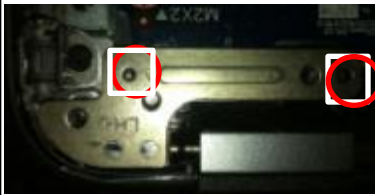


Fig.2

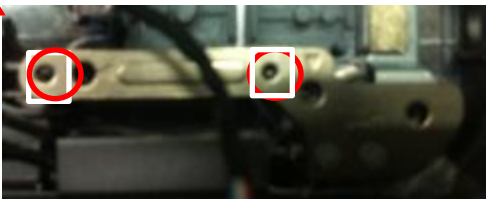


Fig.3

Notes : If finding anything uncommon , notice foreman or assistant at once.

Fixture list (Fixture standard)	Qty	Fixture list (Fixture standard)	Qty
Electric cross screwdriver (T8)	1		
Support fixture (14 or 15)	1		