# Service Manual

**Notebook Computer** 

Model No.

**CF-52AJYZDZM** 



This is the Service Manual for the following areas.

M ...for U.S.A. and Canada

#### **⚠ WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

# **Panasonic**<sup>®</sup>

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### **WARNINGS**

#### For U.K.

#### This apparatus must be earthed for your safety.

To ensure safe operation the three-pin plug must be inserted only into a standard three-pin power point which is effectively earthed through the normal household wiring.

Extension cords used with the equipment must be three-core and be correctly wired to provide connection to earth. Wrongly wired extension cords are a major cause of fatalities.

The fact that the equipment operates satisfactorily does not imply that the power point is earthed and that the installation is completely safe.

For your safety, if you have any doubt about the effective earthing of the power point, consult a qualified electrician.

#### FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY

This appliance is supplied with a moulded three pin mains plug for your safety and convenience. A 3 amp fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 3 amps and that it is approved by ASTA or BSI to BS 1362.

Check for the ASTA mark � or the BSI mark ♥ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced. If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local Panasonic Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.

If in any doubt please consult a qualified electrician.

#### Warning: THIS APPLIANCE MUST BE EARTHED.

#### **Important**

The wires in this mains lead are coloured in accordance with the following code:

Green-and-yellow: Earth
Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured GREEN-and-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol coloured GREEN or GREEN-and-YELLOW.

The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured BLACK.

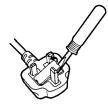
The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured RED.

The mains plug on this equipment must be used to disconnect the mains power.

Please ensure that a socket outlet is available near the equipment and shall be easily accessible.

### How to replace the fuse

Open the fuse compartment with a screw-driver and replace the fuse.



#### Warnings

• This equipment is not designed for connection to an IT power system.

(An IT system is a system having no direct connections between live parts and Earth; the exposed-conduciveparts of the electrical installation are earthed.

An IT system is not permitted where the computer is directly connected to public supply systems in the U.K.)

• Disconnect the mains plug from the supply socket when the computer is not in use.

#### LASER SAFETY INFORMATION

#### For U.S.A.

#### Class 1 LASER-Product

This product is certified to comply with DHHS Rules 21 CFR Subchapter J.

This product complies with European Standard EN60825 (or IEC Publication 825)

#### For all areas

This equipment is classified as a class 1 level LASER product and there is no hazardous LASER radiation.

#### Caution:

- (1) Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- (2) The drive is designed to be incorporated into a computer-based system or unit which has an enclosing cover. It should never be used as a stand alone drive.

#### Danger:

The serviceman should not remove the cover of drive unit and should not service because the drive unit is a non-serviceable part.

Please check DANGER label on PD-drive unit.

- Unplug the AC power cord to the equipment before opening the top cover of the drive.
- When the power switch it on, do not place your eyes close to the front panel door to look into the interior of the unit.

#### LASER Specification

Class 1 level LASER Product Wave Length: DVD 658±8 nm CD 775~815 nm

Laser safety information is appropriate only when drive with laser is installed.

#### Safety precautions

- 1. Before servicing, unplug the power cord to prevent an electric shock.
- 2. When replacing parts, use only manufacture's recommended components for safety.
- 3. Check the condition of the power cord. Replace if wear or damage is evident.
- 4. After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields, etc.

#### **Important Safety Instructions**

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

- 1. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
- 2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
- 3. Do not use the telephone to report a gas leak in the vicinity of the leak.
- 4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

#### Lithium Battery

#### Lithium Battery!

This computer contains a lithium battery to enable the date, time, and other data to be stored. The battery should only be exchanged by authorized service personnel.

Warning! A risk of explosion from incorrect installation or misapplication may possibly occur.

SAVE THESE INSTRUCTIONS

#### 

#### CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the equipment manufacture.

Discard used batteries according to the manufacturer's instructions.

#### - LITHIUMBATTERIES 🗘 -

#### Vorsicht!

Explosionsgefahr bei unsachgemäßem Austausch der Batterie. Ersatz nur durch denselben order einen vom Hersteller empfohlenen ähnlichen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

#### - PILE AU LITHIUM 🛆 -----

ATTENTION: IL Y A DANGER D'EXPLOSION S' IL Y A REMPLACEMENT INCORRECT DE LA PILE. REMPLACER UNIQUEMENT AVEC UNE PILE DU MÈME TYPE OU D'UN TYPE RECOMMANDÉ PAR LE CONSTRUCTEUR. METTRE AU RÉBUT LES PILES USAGÉES CONFORMÉMENT AUX INSTRUCTIONS DU FABRICANT.

#### For U.S.A. / CANADA



A lithium ion battery that is recyclable powers the product you have purchased. Please call 1-800-8-BATTERY for information on how to recycle this battery.

L'appareil que vous vous êtes procuré est alimenté par une batterie au lithium-ion. Pour des renseignements sur le recyclage de la batterie, veuillez composer le 1-800-8-BATTERY.

#### **Precautions (Battery Pack)**

 Care should be exercised with regard to the following in order to avoid the possibility of overheating, fire or damage.



#### **Avoid Heat**

Do not throw the battery pack into a fire or expose it to excessive heat.



#### **Keep Articles Away**

Do not place the battery pack together with articles such as necklaces or hairpins when carrying or storing.



#### Do Not Disassemble

Do not insert sharp objects into the battery pack, expose it to bumps or shocks, deform, disassemble, or modify it.



#### Do Not Short

Do not short the positive (+) and negative (-) contacts.



# Avoid Extreme Heat, Cold and Direct Sunlight

Do not charge, use or leave the battery pack for extended periods where it will be exposed to direct sunlight, in a hot place (in an automobile on a sunny day, for example), or in a cold place.



#### Do Not Use With Any Other Computer

The battery pack is rechargeable and was intended for the specified computer or charger. Do not use it with a computer other than the one for which it was designed.



#### Do Not Put into a Microwave

Do not put the battery pack into a microwave oven or a pressurized chamber.



#### **Discontinue Use**

Should the battery emit an abnormal odor, become hot to the touch, become discolored, change shape, or become in any way different from normal, remove it from the computer or charger and discontinue use.

- Do not touch the terminals on the battery pack. The battery pack may no longer function properly if the contacts are dirty or damaged.
- Do not expose the battery pack to water, or allow it to become wet.

- If the battery pack will not be used for a long period of time (a month or more), charge or discharge (use) the battery pack until the remaining battery level becomes 30% to 40% and store it in a cool, dry place.
- This computer prevents overcharging of the battery by recharging only when the remaining power is less than approx.
   95% of capacity.
- The battery pack is not charged when the computer is first purchased. Be sure to charge it before using it for the first time. When the AC adaptor is connected to the computer, charging begins automatically.
- Should the battery leak and the fluid get into your eyes, do not rub your eyes. Immediately flush your eyes with clear water and see a doctor for medical treatment as soon as possible.

#### NOTE

- The battery pack may become warm during recharging or normal use. This is completely normal.
- Recharging will not commence outside of the allowable temperature range (0 °C to 50 °C {32°F to 122 °F}).(

  Reference "Battery Power") Once the allowable range requirement is satisfied, charging begins automatically. Note that the recharging time varies based on the usage conditions. (Recharging takes longer than usual when the temperature is 10 °C {50 °F} or less.)
- If the temperature is low, the operating time is shortened.
   Only use the computer within the allowable temperature range.
- The battery pack is a consumable item. If the amount of time the computer can be run off a particular battery pack becomes dramatically shorter and repeated rechargings do not restore its performance, the battery pack should be replaced with a new one.
- When transporting spare batteries inside a package, briefcase, etc., it is recommended that it be placed in a plastic bag so that its contacts are protected.
- Always power off the computer when it is not in use.
   Leaving the computer on when the AC adaptor is not connected will exhaust the remaining battery capacity.

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### 1. Specifications

This page provides the specifications for the basic model CF-52AJCBDBM / CF-52BJCBZBM / CF-52AJCHDBM / CF-52CCABXBM / CF-52DCABZBM. The model number is different according to the unit configuration.

To check the model number:

Check the bottom of the computer or the box the computer came in at the time of purchase.

To check CPU speed, memory size and the hard disk drive (HDD) size:

Run the Setup Utility and select [Information] menu.

[CPU Speed]: CPU speed, [System Memory]: Memory size, [Hard Disk]: Hard disk drive size

#### **Main Specifications**

	man openioalene				
Model No.		CF-52AJCBDBM / CF-52BJCBZBM / CF-52AJCHDBM	CF-52CCABXBM / CF-52DCABZBM		
CPU		Intel <sup>®</sup> Core <sup>™</sup> 2 Duo Processor T7300 (2.0 GHz, 4 MB <sup>*1</sup> L2 cache, 800 MHz FSB)	Intel <sup>®</sup> Core <sup>™</sup> 2 Duo Processor T7100 (1.8 GHz, 2 MB <sup>*1</sup> L2 cache, 800 MHz FSB)		
Chipset		Mobile Intel® PM965 Express Chipsets	Mobile Intel® GM965 Express Chipsets		
Memory*1*2	2	1024 MB (4096 MB Max.)			
Video Mem	ory <sup>*1</sup>	512 MB UMA (384 MB Max.)*3			
Hard Disk [	Drive <sup>*4</sup>	120 GB	80 GB		
Display Me	thod	15.4 WUXGA type (TFT)	15.4 WXGA type (TFT)		
Internal LCD*5		65,536/16,777,216 colors (800 × 600 dots/1024 × 768 dots/1280 × 768 dots/1600 × 1200 dots/1920 × 1080 dots/ 1920 × 1200 dots)	65,536/16,777,216 colors (800 × 600 dots/1024 × 768 dots/1280 × 768 dots/1280 × 800 dots)		
External D	)isplay <sup>*6</sup>	65,536/16,777,216 colors (800 × 600 dots/1024 × 768 dots/1280 × 768 dots/1280 × 1024 dots/ 1600 × 1200 dots/1920 × 1080 dots/1920 × 1200 dots/2048 × 1536 dots)			
LAN		IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T			
Modem		Data: 56 kbps (V.92) FAX: 14.4 kbps			
Sound		WAVE and MIDI playback, Stereo speaker, Intel <sup>®</sup> High Definition Audio subsystem support			
Security Ch	nip	TPM (TCG V1.2 compliant)*9			
Card Slot	PC Card	Type I or Type II x 1 (3.3 V: 400 mA, 5 V: 400 mA)			
	ExpressCard	ExpressCard/34 or ExpressCard/54 x 1			
	SD Memory Card*10	x 1, Data transfer rate = 8 MB per second*11			
	Smart Card*12	x 1			
RAM Module Slot		200-pin, 1.8 V, SO-DIMM, DDR2 SDRAM, PC2-5300 Compliant			
Interface		USB port (4-pin, USB 2.0) x 4, Serial Port (Dsub 9-pin male), Modem port (RJ-11), LAN port (RJ-45), External display port (Mini Dsub 15-pin female), IEEE1394a Interface Connector (4-pin x 1), Microphone Jack (Miniature jack, 3.5 DIA, Stereo), Headphone Jack (Miniature jack, 3.5 DIA, Impedance 32 Ω, Output Power 4 mW x 2, Stereo)			
Keyboard / Pointing Device		87 keys / Touch Pad			
Power Supply		AC adaptor or Battery pack			
AC Adaptor*13		Input: 100 V to 240 V AC, 50 Hz/60 Hz, Output: 15.6 V DC, 8.0 A			

#### **Main Specifications**

Model No.	CF-52AJCBDBM / CF-52BJCBZBM / CF-52CCABXBM / CF-52DCABZBM CF-52AJCHDBM		
Battery Pack	Li-ion 11.1 V, 7.65 Ah		
Operating Time*14	Approx. 3.5 hours to 4.5 hours*15 (Approx. 4.5 hours*16)	Approx. 6.0 hours to 9.5 hours*15 (Approx. 7.5 hours*16)	
Charging Time*14	Approx. 4 hours		
Clock Battery	Coin type lithium battery 3.0 V		
Power Consumption*17	Approx. 60 W <sup>*18</sup> / Approx. 100 W (Maximum when recharging in the ON state)  Approx. 45 W <sup>*18</sup> / Approx. 100 W (Maximum when recharging in the ON state)		
Physical Dimensions (W x H x D) (including the carrying handle)	355.7 mm × 50.7 - 51.9 mm × 286.8 mm {14.0" × 2.0 " × 11.3"}		
Weight (including the carrying handle)	Approx. 3.35 kg {Approx. 7.4 lb.}	Approx. 3.3 kg {Approx. 7.3 lb.}	
Operation Environment	Temperature: 5 °C to 35 °C {41 °F to 95 °F} Humidity: 30% to 80% RH (No condensation)		
Storage Environment	Temperature: -20 °C to 60 °C {-4 °F to 140 °F} Humidity: 30% to 90% RH (No condensation)		
Operating System	Microsoft® Windows® XP Professional Service Pack 2 with Advanced Security Technologies (NTFS File System)		
Utility Programs	DMI Viewer, Adobe Reader, PC Information Viewer, SD Utility, Icon Enlarger, Loupe Utility, WinDVD™ 5 (OEM Version), B's Recorder GOLD8 BASIC, B's CLiP 6, Intel® PROSet/Wireless Software* <sup>7</sup> , Bluetooth™ Stack for Windows® by TOSHIBA*8, Wireless Switch Utility, Hotkey Settings, Battery Recalibration Utility, Infineon TPM Professional Package**19, Recover Pro™ 6**19		
	Setup Utility, Hard Disk Data Erase Utility*20		

#### CD/DVD Drive

CD/DVD Drive		DVD MULTI Drive		
Data Transfer	Reading*22	VD-ROM: 8X (Max.), CD-ROM: 24X (Max.)		
Rate*21	Writing*23	CD-R: 4X/10X/10-16X/10-20X/10-24X CD-RW: 4X High-Speed CD-RW: 4X/10X Ultra-Speed CD-RW: 10X/10-16X/10-20X/10-24X DVD-R: 1X/2X/2-4X/2-6X/2-8X DVD-RW: 1X/2X/2-4X/2-6X DVD-RAM: 2X/3X/3-5X +R: 2.4X/2.4-4X/2.4-6X/2.4-8X +R DL: 2.4X/2.4-4X +RW: 2.4X/2.4-4X High-Speed +RW: 3.3X/3.3-6X/3.3-8X		
Supported Discs/ Format*4	Reading	DVD-ROM (4.7 GB, 8.5 GB, 9.4 GB, 17 GB), DVD-Video, DVD-R (1.4 GB, 3.95 GB, 4.7 GB), DVD-R DL (8.5 GB), DVD-RW <sup>*24</sup> (1.4 GB, 2.8 GB, 4.7 GB, 9.4 GB), DVD-RAM <sup>*25</sup> (1.4 GB, 2.8 GB, 4.7 GB, 9.4 GB), +R (4.7 GB), +R DL (8.5 GB), +RW (4.7 GB), CD-Audio, CD-ROM, CD-R, Photo CD, Video CD, CD-RW, CD TEXT, CD-EXTRA		
	Writing	DVD-R (1.4 GB, 4.7 GB for General), DVD-R DL (8.5 GB), DVD-RW*24 (1.4 GB, 2.8 GB, 4.7 GB, 9.4 GB), DVD-RAM*25 (1.4 GB, 2.8 GB, 4.7 GB, 9.4 GB), +R (4.7 GB), +R DL (8.5 GB), +RW (4.7 GB), CD-R, CD-RW		

#### Wireless LAN <Only for model with wireless LAN>

Intel® Wireless WiFi link 4965 AGN (802.11 a + b + g)*26				
Data Transfer Rates*27  IEEE802.11a: 54/48/36/24/18/12/9/6 Mbps (automatically switched) IEEE802.11b: 11/5.5/2/1 Mbps (automatically switched) IEEE802.11g: 54/48/36/24/18/12/9/6 Mbps (automatically switched)				
Standards Supported	IEEE802.11a/IEEE802.11b/IEEE802.11g			
Transmission method	OFDM system, DSSS system			
Wireless Channels Used	IEEE802.11a: Channels 36/40/44/48/52/56/60/64/149/153/157/161/165 IEEE802.11b/IEEE802.11g: Channels 1 to 11			
RF Frequency Band IEEE802.11a: 5.18-5.32 GHz, 5.745-5.825 GHz IEEE802.11b/IEEE802.11g: 2.412-2.462 GHz				

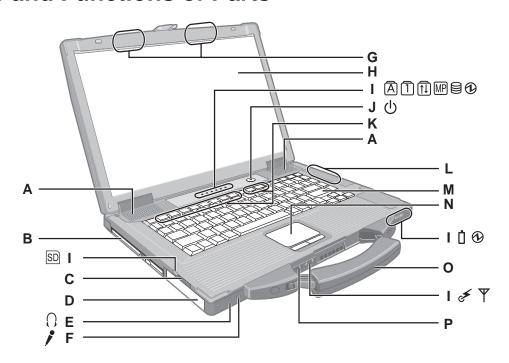
#### Bluetooth™ <Only for model with Bluetooth>

Bluetooth Version	2.0 + EDR
Transmission method	FHSS system
Wireless Channels Used	Channels 1 to 79
RF Frequency Band	2.402-2.48 GHz

- \*1 1MB = 1,048,576 bytes
- \*2 You can physically expand the memory up to 4096 MB, but the total amount of usable memory available will be less depending on the actual system configuration.
- \*3 A segment of the main memory is allotted automatically depending on the computer's operating status. The size of the Video Memory cannot be set by the user.
- \*4 1GB = 1,000,000,000 bytes. Your operating system or some application software will report as fewer GB.
- A 16,777,216 color display is achieved by using the dithering function.
- \*6 Maximum resolution depends on the specifications of the external display.
- \*9 For information on TPM, click [start] [Run] and input "c:\util\drivers\tpm\README.pdf", and refer to the Installation Manual of "Trusted Platform Module (TPM)".
- \*10 Operation has been tested and confirmed using Panasonic SD Memory Cards with a capacity of up to 2 GB. Operation on other SD equipment is not guaranteed. This computer is not compatible with MultiMediaCards or SDHC Memory Cards. Do not insert these kinds of cards.
- \*11 Theoretical value and not the actual speed. The transfer rate does not become higher even if you use a card that supports the higher transfer rate.
- \*12 Only for model with Smart Card slot
- \*13 <Only for North America>
  The AC adaptor is compatible with power sources up to 240 V AC adaptor. The computer is supplied with a 125 V AC compatible AC cord. 20-M-2-1

- \*14 Varies depending on the usage conditions.
- \*15 Measured using BatteryMark™ Version 4.0.1 (LCD brightness: Maximum Minimum)
- \*16 Measured using MobileMark™ 2005 (LCD brightness: 60 cd/m²)
- \*17 Approx. 0.9 W when the battery pack is fully charged (or not being charged) and the computer is OFF. Approx. 1.5 W when the Wake up from LAN has been enabled.
- \*18 Rated power consumption 23-E-1
- \*19 You need to install to use the feature.
- \*20 The Product Recovery DVD-ROM is required.
- \*21 The data transfer rate of DVD per 1X speed is 1,350 KB/s. The data transfer rate of CD per 1X speed is 150 KB/s.
- \*22 If an unbalanced disc (e.g., the balance has been displaced from the center) is inserted, the speed may become slower if there are large vibrations while the disc is rotating.
- $^{\star 23}$  Depending on the disc, the writing speed may become slower.
- \*24 Does not support DVD-RW Ver.1.0.
- \*25 DVD-RAM: Only non-cartridge type or removable cartridge type can be used.
- \*26 It does not correspond to IEEE802.11n.
- \*27 These are speeds specified in IEEE802.11a+b+g standards. Actual speeds may differ.

#### 2. Names and Functions of Parts



A: Speaker

B: Multimedia pocket

C: SD Memory Card slot

D : Battery pack

E: Headphone jack

You can connect headphones or amplified speakers. When they are connected, audio from the internal speakers is not heard.

#### F: Microphone jack

A condenser microphone can be used. If other types of microphones are used, audio input may not be possible, or malfunctions may occur as a result.

- When recording in stereo using a stereo microphone: Click [start] - [All Programs] - [SoundMAX] - [Control Panel] and select [Microphone], and then add a check mark for [No Filtering] in [Microphone Enhancements].
- When using a monaural microphone with a 2-terminal plug: Click [start] - [All Programs] - [SoundMAX] - [Control Panel] and select [Microphone], and then add a check mark for [Voice Recording] in [Microphone Enhancements].
   Otherwise, only audio on the left track will be recorded.

#### G: Wireless LAN antenna

<Only for model with wireless LAN>

H: LCD

#### I: LED indicator

- A Caps lock
- 1 Numeric key (NumLk)
- fill Scroll lock (ScrLk)
- MP Multimedia pocket device status

- Hard disk drive status
- Power status

(Off: Power off/Hibernation, Green: Power on, Blinking green: Standby, Blinking green rapidly: Cannot power on or resume due to low temperature.)

- Battery status
- SD SD Memory Card status

(Blinking: During access or a password is requested)

✓ Wireless ready

This indicator lights when Wireless LAN, Bluetooth, and/or Wireless WAN are connected and ready. It does not necessarily indicate the On/Off condition of the wireless connection.

- ▼ Wireless WAN status
  - <Only for model with wireless WAN> Refer to the instruction manual of the wireless device

J: Power switch

K: Function key

L: Bluetooth antenna

<Only for model with Bluetooth>

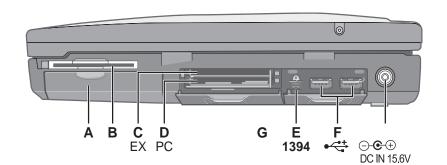
M : Keyboard

N: Touch pad

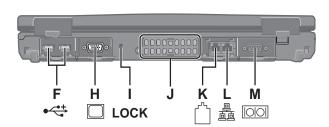
O: Carrying handle

P: Wireless switch

#### Right side



#### Rear side



Bottom N O P

A: Hard disk drive

**B**: Smart Card slot

<Only for model with Smart Card slot>

C: ExpressCard slot

D:PC Card slot

E: IEEE 1394 interface connector

F: USB port G: DC-IN jack

H: External display port

#### I: Security lock

A Kensington cable can be connected. For further information, read the manual that comes with the cable.

J: Ventilation hole

K : Modem port

L: LAN port

M : Serial port

N: Expansion bus connector

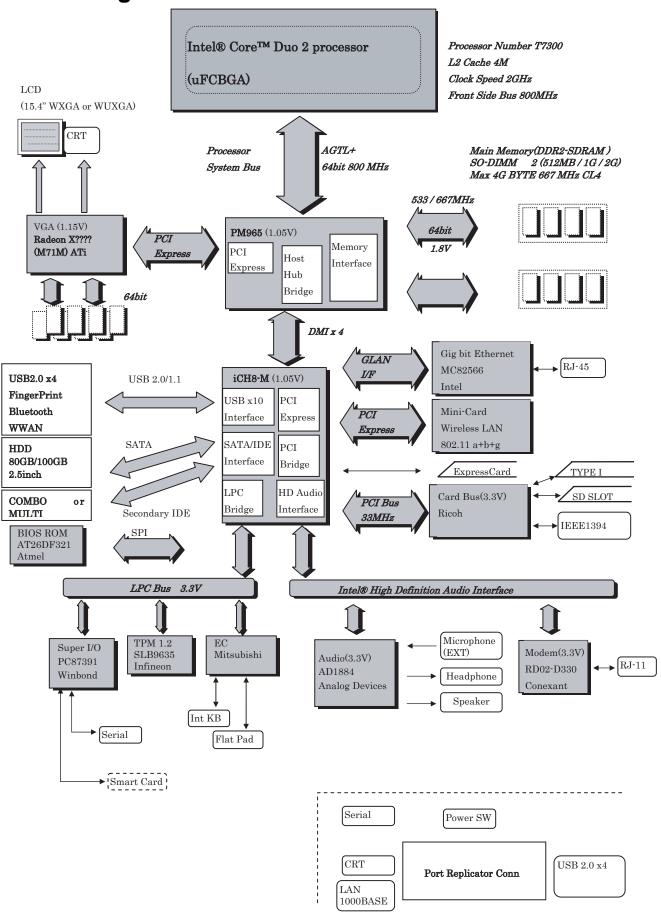
O: RAM module slot

P: Hard disk drive latch

Q: Multimedia pocket release button

R : Battery latch

### 3 Block Diagram

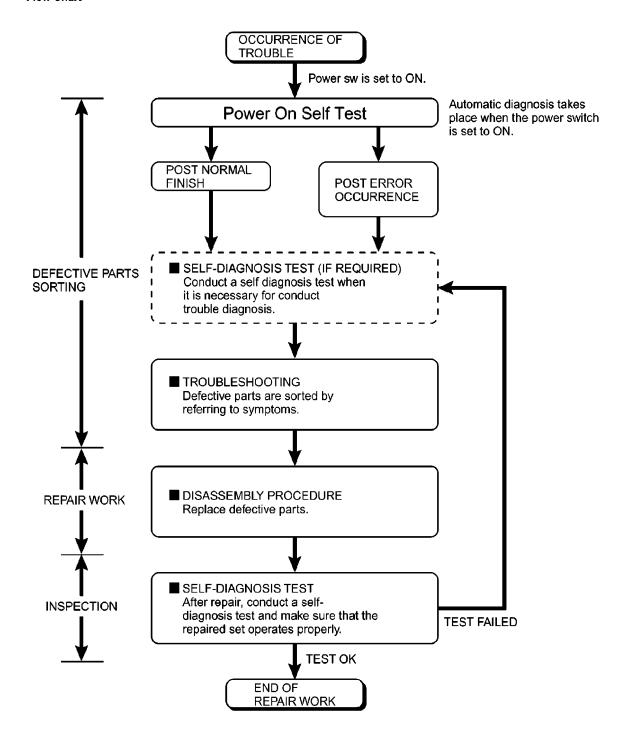


### 4 Diagnosis Procedure

#### 4.1. Basic Procedures

The basic procedures for diagnosis, disassembly, and test of defective parts of a set to be repaired are summarized below. For details, refer to relevant pages in the Service Manual.

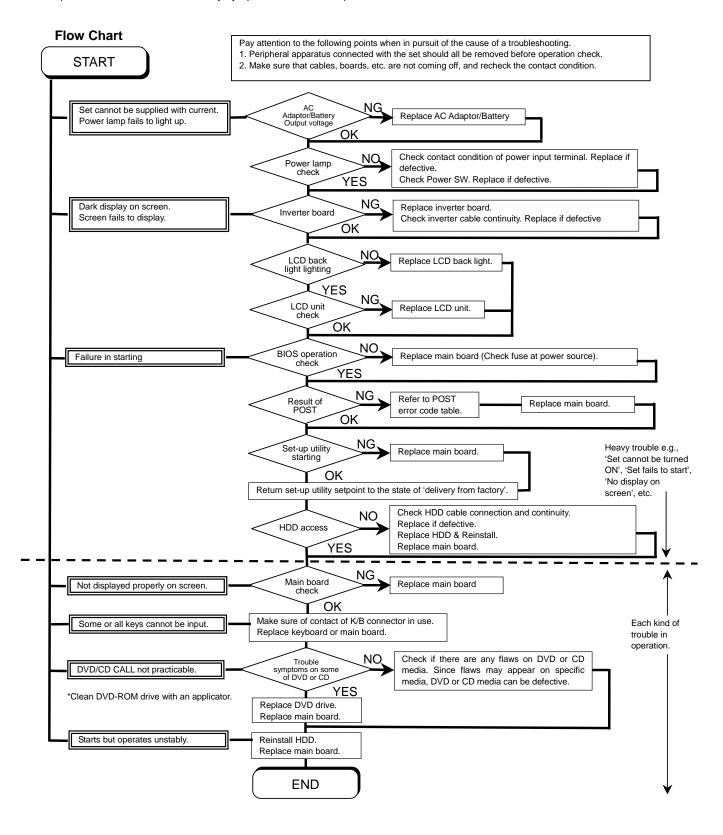
#### Flow Chart



#### 4.2. Troubleshooting

Please take note of the following two points with regard to troubleshooting:

- 1. Know-how of diagnosis upon occurrence of heavy troubles, e.g. 'Set cannot be turned ON', 'Set fails to start', 'No display on screen', etc.
- 2. Explanation of each trouble, mainly symptom of trouble in operation.



### 5 Power-On Self Test (Boot Check)

#### **Outline of POST**

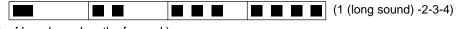
The set has a boot check function called POST (Power-On Self Test) in it. The condition of the main body is diagnosed by checking beep sound or error code.

- Start .....Test begins automatically when power switch is set to ON.
- Normal finish .....After memory checking, a beep sound is issued once and the set is placed into automatic stop.

Note: If no error occurs, nothing is displayed. (No display of OK, etc.)

#### **Error Diagnosis by Checking Beep Signal Sound**

The beep sound is as follows:



(Length of bar shows length of sound.)

= long sound (about 0.4 sec.), = short sound (about 0.2 sec.), Length between sounds is about 0.1 sec.

#### • Table of errors classified by beep sounds

Diagnosis	Beep signal sound	Error message
Main board	1(long sound)-2	BIOS ROM error
	1-2-2-3	BIOS ROM error
	1-3-1-1	RAM error
	1-3-1-3 Keyboard controller error	
	1-3-4-1	RAM error
	1-3-4-3	RAM error
	1-4-1-1	RAM error
	2-1-2-3	BIOS ROM error
	2-2-3-1	Occurrence of unexpected offering

(Note) A beep sound is also issued in case of other I/O trouble.

### 6 List of Error Codes <Only when the port replicator is connected>

The following is a list of the messages that BIOS can display. Most of them occur during POST. Some of them display information about a hardware device, e.g., the amount of memory installed. Others may indicate a problem with a device, such as the way it has been configured. Following the list are explanations of the messages and remedies for reported problems.

If your system displays one of except the messages marked below with an asterisk (\*), write down the message and contact Panasonic Technical Support. If your system fails after you make changes in the Setup menus, reset the computer, enter Setup and install Setup defaults or correct the error.

#### 0200 Failure Fixed Disk

Fixed disk in not working or not configured properly. Check to see if fixed disk is attached properly. Run Setup. Find out if the fixed-disk type is correctly identified.

#### 0210 Stuck key

Stuck key on keyboard.

#### 0211 Keyboard error

Keyboard not working.

#### 0212 Keyboard Controller Failed

Keyboard controller failed test. May require replacing keyboard controller.

#### 0213 Keyboard locked - Unlock key switch

Unlock the system to proceed.

#### 0230 System RAM Failed at offset: nnnn

System RAM failed at offset nnnn of in the 64k block at which the error was detected.

#### 0231 Shadow RAM Failed at offset: nnnn

Shadow RAM failed at offset nnnn of the 64k block at which the error was detected.

#### 0232 Extended RAM Failed at offset: nnnn

Extended memory not working or not configured properly at offset *nnnn*.

#### 0250 System battery is dead - Replace and run SETUP

The CMOS clock battery indicator shows the battery is dead. Replace the battery and run Setup to reconfigure the system.

#### \*0251 System CMOS checksum bad - Default configuration used

System CMOS has been corrupted or modified incorrectly, perhaps by an application program that changes data stored in CMOS. The BIOS installed Default SETUP Values. If you do not want these values, enter Setup and enter your own values. If the error persists, check the system battery or contact Panasonic Technical Support.

#### 0260 System timer error

The timer test failed. Requires repair of system board.

#### 0270 Real time clock error

Real-time clock fails BIOS test. May require board repair.

#### \*0280 Previous boot incomplete - Default configuration used

Previous POST did not complete successfully. POST loads default values and offers to run Setup. If the failure was caused by incorrect values and they are not corrected, the next boot will likely fail. On systems with control of **wait states**, improper Setup settings can also terminate POST and cause this error on the next boot. Run Setup and verify that the wait-state configuration is correct. This error is cleared the next time the system is booted.

#### 0281 Memory Size found by POST differed from EISA CMOS

Memory size found by POST differed from EISA CMOS.

#### 02D0 System cache error - Cache disabled

Contact Panasonic Technical Support.

02F0: CPU ID:

CPU socket number for Multi-Processor error.

#### 02F4: EISA CMOS not writable

ServerBIOS2 test error: Cannot write to EISA CMOS.

#### 02F5: DMA Test Failed

ServerBIOS2 test error: Cannot write to extended DMA (Direct Memory Access) registers.

#### 02F6: Software NMI Failed

ServerBIOS2 test error: Cannot generate software NMI (Non-Maskable Interrupt).

#### 02F7: Fail - Safe Timer NMI Failed

ServerBIOS2 test error: Fail-Safe Timer takes too long.

#### device address Conflict

Address conflict for specified device.

#### Allocation Error for: device

Run ISA or EISA Configuration Utility to resolve resource conflict for the specified device.

#### Failing Bits: nnnn

The hex number *nnnn* is a map of the bits at the RAM address which failed the memory test. Each 1 (one) in the map indicates a failed bit. See error 230,231 or 232 for offset address of the failure in System, Extended or Shadow memory.

#### **Invalid System Configuration Data**

Problem with NVRAM (CMOS) data.

#### I/O device IRQ conflict

I/O device IRQ conflict error.

#### **Operating System not found**

Operating system cannot be located on either drive A: or drive C:. Enter Setup and see if fixed disk and drive A: are properly identified.

#### Parity Check 1 nnnn

Parity error found in the system bus. BIOS attempts to locate the address and display it on the screen. If it cannot locate the address, it displays ????. Parity is a method for checking errors in binary data. A parity error indicates that some data has been corrupted.

#### Parity Check 2 nnnn

Parity error found in the I/O bus. BIOS attempts to locate the address and display it on the screen. If it cannot locate the address, it displays ????.

#### Press <F1> to resume, <F2> to Setup

Displayed after any recoverable error message. Press <F1> to start the boot process or <F2> to enter a Setup and change the settings. Write down and follow the information shown on the screen.

### 7 Self Diagnosis Test

As for the self-diagnosis test(PC-Diagnostic utility) to use this model, a standard test and the enhancing test by the module of the main body building in are possible.

Notes To skip BIOS password

Use <Ctrl>+<F10> key to skip BIOS password or authentication of fingerprint.

This key is only for entering DIAG mode. Not available to boot the computer.

If customer set "HDD Lock", the DIAG program cannot perform HDD test.

\*This key is for service purpose only. Do not disclose this information to unrelated others.

#### 1. Beginning of self-diagnosis test

#### 1-1. Setting of content of setup

- 1. The power supply of the computer is turned on.
- 2. "F2" is pushed on the screen of "Panasonic" while "press <F2 to enter Setup>" is displayed.
- 3. The setup utility starts and then takes notes of the content of the BIOS setup of present set.
- 4. "F9" is pushed, "Yes" is selected on the screen of "Is the default value loaded? ", and "Enter" is pushed.
- 5. "F10" is pushed.
- 6. "Yes" is selected on the screen of the setup confirmation, and "Enter" is pushed.
- 7. The computer starts automatically.

#### Attention

- If the device which can be set is set to "Invalidity" by "Advanced" or "Security" menu, becomes an error by "PC-Diagnostic utility".
- (It is judged that the device which can be set to "Invalidity" by "Main" menu such as "Flat pad" is normal if the controller operates normally though sets to "Invalidity" by the setup.)
- In the model with built-in DVD of the USB connection, even if DVD is normal, becomes an error if legacy USB is set to "Invalidity"

#### 1-2. When you execute an automatic test

- 1. "Ctrl" + "F7" is pushed while the "Panasonic" start screen is displayed after the computer is started.
- 2. The test of all devices begins automatically by "PC-Diagnostic utility" 's starting.

#### Attention

- It is a test which the customer who bought PC can execute. (As for HDD, the enhancing test is also possible.)
- · A flat pad does not work for a while after starting "PC-Diagnostic utility".
- The movement of a flat pad might become abnormal If after RAM begins from the CPU/System test, a flat pad will be operated in about 30 seconds. In that case,restarts pushing"Alt" + "Ctrl" + "Del" key. Or, please start "PC-Diagnostic utility" again after doing the power supply switch in the slide, and turning off the power supply.

#### 1-3. When you execute the enhancing test

- Please let me discontinue diagnosing clicking to end an automatic test.
- 2. Please click on the character of "D" "PC-Diagnostic utility" on the screen while pushing both of right "Shift" and left "Shift" keys.



- 3. All devices which can select the enhancing test make the setting of the enhancing test possible.
- 4. The district device is made"FULL" display (enhancing test).
- 5. The test begins clicking .

<sup>\*</sup>Please refer to item 4 for the error result of each test and the division of the breakdown part.

#### 2. Operation of PC-Diagnostic Utility

- -Only the device which can be inspected on the entire screen is displayed.
- -The item does not appear when the device of wireless LAN etc. is not physically connected.
- -The movement of the item must use an arrow key or a flat pad.



- -As for the device under the diagnosis, blue and yellow are alternately displayed at the left of the icon.
- The diagnosis result of the device greens at the left of the icon when it is normal, and becomes red when abnormal.



-When the test of all devices ends, the test result is displayed under the right of the screen.



- -Please click while diagnosing when being stop on the way by the time the test of all devices ends.
- -Please click when you restart "PC-Diagnostic utility".
- \*Each device is tested from the beginning, and it is not possible to restart on the way.
- -When the test of all devices ends, the test result is displayed under the right of the screen.

#### 2-1. Selection of tested device

- -To test only a specific device, "Test" and "Do not test" of each device can be selected.
- -The device which can select the enhancing test changes in order of "The standard is tested" and "Do not test" whenever the device icon is clicked.



Start the standard test



Please begin testing clicking if the selection of the tested device ends.

#### 2-2. "PC-Diagnostic utility" End method

When  $\boxtimes$  of "Close" on the right of the screen is clicked, the computer reactivates automatically. Or, the power supply switch is done in the slide and the power supply is turned off.

#### 2-3. The content of the setup is returned to the setting of the user

- 1. Turned on the computer.
- 2. "F2" is pushed on the screen while "Press<F2>to enter Setup" is displayed of "Panasonic".
- 3. Push "F10", and on the screen of "Is the change in the setting preserved and do end?" and then "Yes" is selected, and "Enter" is pushed.
- 4. The computer reactivates automatically.
- 5. The end option is chosen by the start menu, and the power supply of the computer is turned off.

#### Standard at test time

All devices other than RAM and HDD ----- about 1 minute RAM standard test ------ 1 - 2 minutes HDD standard test ----- 2 - 3 minutes HDD enhancing test (60GB) ----- about 40 minutes

Ex.The standard when the standard <all device> is tested becomes 1+2+3=6 minutes.

There is greatly a difference from RAM test when the memory is increased according to the performance of the memory occasionally.

Moreover, when the main body of PC under the test is a high temperature, it occasionally takes time.

There is greatly a difference from HDD according to the performance of the drive occasionally.

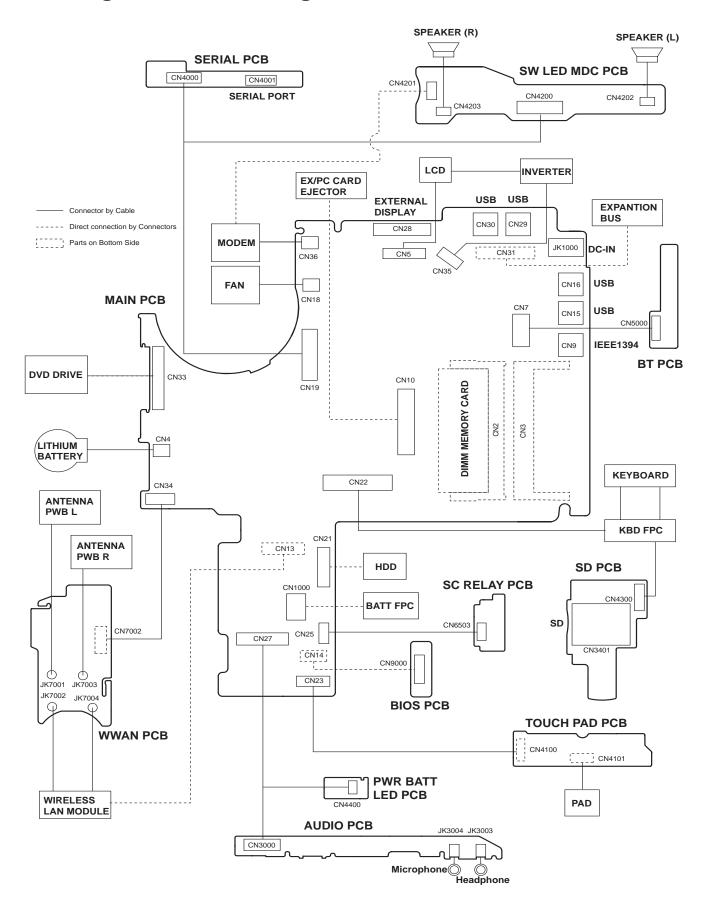
### 3. Test Item and Division of trouble

Test item	Stanard	Enhan- cing	Content of standard test	Content of enhancing test	Place with possibility of breakdown
CPU / SYSTEM	0	_	CPU is shifted to protected mode, and "Violation of the paging", "Operation of the violation of a privileged instruction", and DMA, INT, TIMER, and the RTC operation are confirmed.	_	CPU / Main board
RAM	0		All memory space is tested in a special memory access pattern based on "R.S.T. technology".		Memory / Mainboard
HDD	0	0	The record area frequently accessed with Microsoft Windows XP to test in about two minutes regardless of points of HDD is emphatically tested.	All record area is tested.	HDD / Mainboard / Cable / Connector
MODEM	0		It is confirmed not to find abnormality in the AC97 modem controller.	_	MODEM/ Mainboard
Wireless LAN	0	_	It is confirmed not to find abnormality in the Wireless LAN modem controller.	_	Wireless LAN board / Connector / Mainboard
Sound *5	0	_			
USB	0	o*1	It is confirmed not to find abnormality in the USB controller.	It is confirmed not to find ab- normalityin the wiring between the USB controller and the connector by confirming the connection of the USB equipment connected with the USB connector.	Mainboard / Connector
LAN	0	o*2	It is confirmed not to find abnormality in the LAN controller.	It is confirmed not to find ab- normalityin the wiring between the controller and the connector by connecting to HUB with LAN cable.	Mainboard / Connector
PC Card	0		It is confirmed not to find abnormality in the CardBus controller.	_	Mainboard
SD	0		It is confirmed not to find abnormality in the SD controller.	_	Mainboard
Keyboard	0	O*3	It is confirmed not to find abnormality in keyboard controller's keyboard interface.	The key is actually input, and the operation is displayed on the screen.	Mainboard / Keyboard
Touch Pad	0	O <sup>*4</sup>	Whether keyboard controller's mouse interface operates normally is confirmed.	The operation is actually displayed on the screen by operating the touch pad.	Mainboard / Touch Pad
DVD-ROM	0	O*6	The drive is normally reset, and it is accessible is confirmed.	It is confirmed to be able to read media normally.	Mainboard / DVD Drive / DVD Cable / DVD Connector

Test Item	Standard	Enhanced	Content of Standard Test	Content of Extend Test	The place with possibility of breakdown
Touch Screen	0	0	It is confirmed not to find abnormality in the USB connection of Touch Screen. This test cannot find abnormality of Touch Screen.	Perform Touch Screen functionality practically. Operator has to judge PASS/FAIL with test result.	Main board/ Touch Screen
Bluetooth	0		It is confirmed not to find abnormality in the connection of Main board and Bluetooth module.		Bluetooth cable
Wireless WAN			It is confirmed not to find abnormality in the connection of Main board and Wireless WAN module.	_	WWAN cable
Floppy	0	_	It is confirmed not to find abnormality in the legacy FD drive. This test cannot find abnormality of mechanical breakdown. (e.g Head, Motor)	_	FD Drive/ Main board (Super I/O)/ FDD cable FDD connector
Video	0	_	It is confirmed not to find abnormality in access to VRAM with VESA. The PC which uses main memory as VRAM may fail with main memory failure.		Main board (Chipset, Graphic Controller)/ Memory
GPS	0	_	It is confirmed not to find abnormality in the connection of Main board and GPS	_	GPS cable
IEEE1394	0		It is confirmed not to find abnormality in the IEEE1394 controller.	_	Main board (IEE⊯394 Controller)
Express Card	_	0	_	It is confirmed not to find abnormality in the wiring between Chipset and Express Card.	Main board (Chipset)/ Express Card Connector
Smart Card	0	_	It is confirmed not to find abnormality in the Smart Card controller.	_	Main board (Smart Card Controller)
Serial Port	0	O *7	It is confirmed not to find abnormality of Super I/O UART function. This test cannot find lack of wiring between Super I/O and Serial Connector.	It is confirmed not to find abnormality in the wiring between Super I/O and Serial Connector. This test cannot find failure of cable characteristic and device problems.	Main board (Super I/O)/ Serial Connector
Parallel Port	0	<u>*8</u>	It is confirmed not to find abnormality of Super I/O parallel function. This test cannot find lack of wiring between Super I/O and Parallel Connector.	It is confirmed not to find abnormality in the wiring between Super I/O and Parallel Connector. This test cannot find failure of cable characteristic and device problems.	Main board (Super I/O)/ Parallel Connector

- \*1 Please connect the USB device with the port (USB connector) which wants to test before the tests.
- \*2 Please connect LAN port with LAN HUB with LAN cable before the tests.
- \*3 The operator actually inputs the key, and the operator judges PASS/FAIL of the test.
- \*4 The operator actually operates the mouse, and the operator judges PASS/FAIL of the test.
- \*5 It is not abnormal though the sound is emitted from the speaker while testing.
  - \*When the test result is PASS, trouble is thought by not hearing of the sound under the test from the speaker and the headphone by the wiring of the audio output system.
- \*6 Please set DVD/CD media in the drive before the tests.
- \*7 Please set a Special Loop Back Connector Tool at serial connector for Enhanced Test. (This Connector Tool is same as the one used before.)
- \*8 Please set a Special Loop Back Connector Tool at parallel connector for Enhanced Test. (This Connector Tools is same as the one used before.)

## 8 Wiring Connection Diagram



### 9 Disassembly/Reassembly

Note:

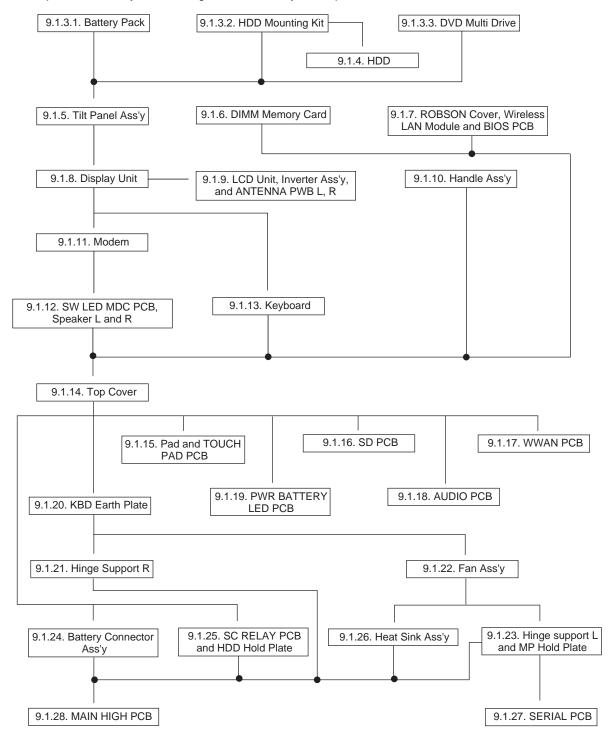
Power off the computer. Do not shut down to the Suspend or hibernation mode.

Do not add peripherals while the computer is in the Suspend or hibernation mode; abnormal operation may result.

#### 9.1. Disassembly Instructions

#### 9.1.1. Disassembly Flowchart

The chart below shows the various parts which should be removed in order to remove the parts that are to be replaced. Parts can be replaced efficiently be following the disassembly steps in the chart.



#### 9.1.2. Preparation

Before disassembling, be sure to make the following prepara-

- Shut down Windows and turn off the power.
- Disconnect the AC adaptor.
- Remove the optional DIMM memory card and PCMCIA card if they are connected.
- Remove other devices if they are connected.

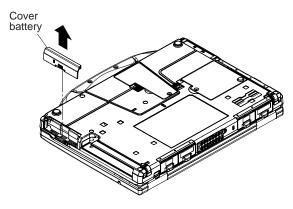
#### Attention:

- Please execute writing BIOS ID when you exchange the Main Board.
- You cannot reuse the Conductive Clothes and the heat dissipating parts such as Sheet and Rubber. Use new parts.

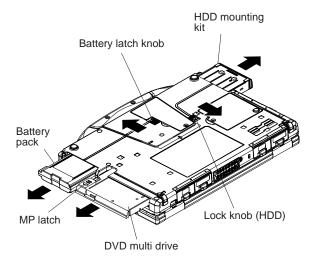
# 9.1.3. Removing the Battery Pack, HDD Mounting Kit and DVD Multi Drive

#### 9.1.3.1. Battery Pack

1. Remove the Cover Battery.



2. Pull out the Battery Pack with sliding the Battery Latch Knob.



#### 9.1.3.2. HDD Mounting Kit

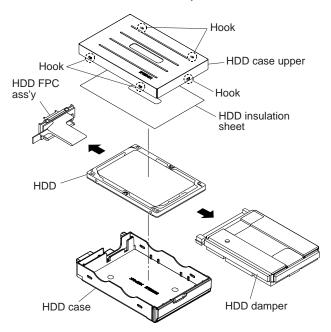
 Pull out the HDD Mounting Kit with sliding the Lock Knob (HDD)

#### 9.1.3.3. DVD Multi Drive

1. Pull out the DVD Multi Drive with pushing the MP Latch.

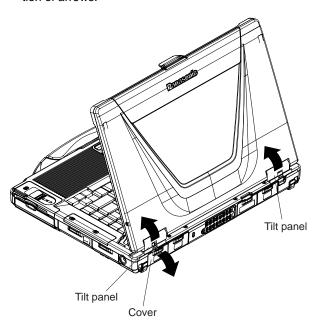
#### 9.1.4. Removing the HDD

- Remove the six Hooks, and remove the HDD Case Upper , HDD case and HDD Insulation Sheet.
- 2. Remove the HDD from the HDD Dumper.
- 3. Disconnect the HDD FPC Ass'y from the HDD.

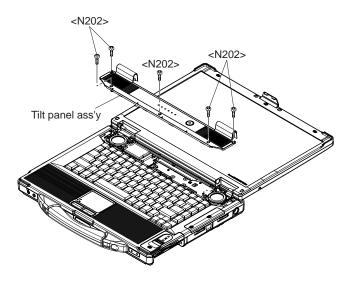


#### 9.1.5. Removing the Tilt Panl Ass'y

1. Turn the Cover down and pull the Tilt Panel in the direction of arrows.



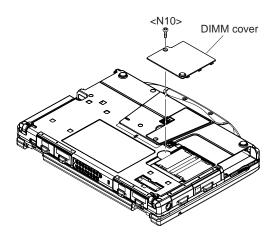
2. Remove the five Screws <N202>, and remove the Tilt Panel Ass'y.



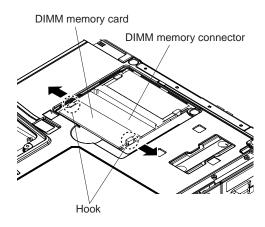
Screws <N202> : DRSB2+4FKLT

#### 9.1.6. Removing the DIMM Memory Card

1. Remove the Screw <N10>, and remove the DIMM Cover.



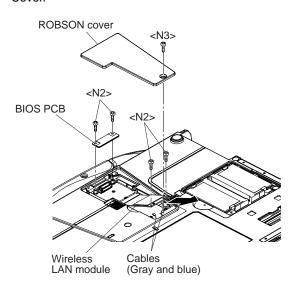
2. Open the right and left Hooks of the DIMM Memory Card outward, and remove the DIMM Memory Card.



Screws <N10>: DRSB2+3FKLT

# 9.1.7. Removing the ROBSON Cover, Wireless LAN Module and BIOS PCB

1. Remove the Screw <N3>, and remove the ROBSON Cover.



#### 9.1.7.1. Wireless LAN Module

- 1. Remove the two Screws <N2> and two Cables(Gray and Blue).
- 2. Pull out the Wireless LAN Module in the direction of arrows.

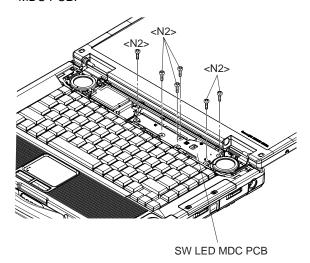
#### 9.1.7.2. BIOS PCB

 Remove the two Screws <N2>, and remove the BIOS PCB.

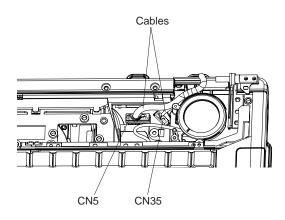
Screws <N2> : DFHE5122YA Screws <N3> : DRHM0065ZA

#### 9.1.8. Removing the Display unit

 Remove the six Screws <N2>, and turn over the SW LED MDC PCB.

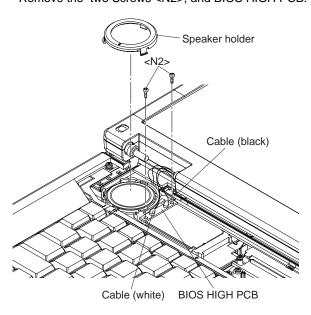


2. Disconnect the two Cables from the Connectors (CN5 and CN35).

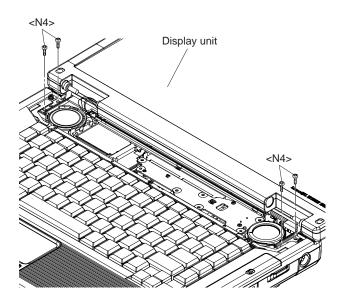


3. Remove the Speaker Holder L and four Cables (black,

white, blue and grey).
Remove the two Screws <N2>, and BIOS HIGH PCB.



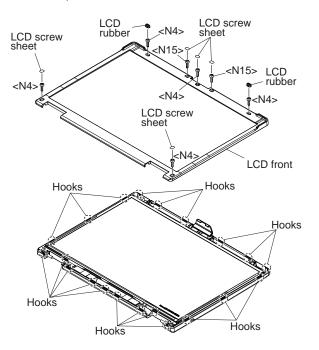
4. Remove the four Screws <N4>, and remove the Display unit.



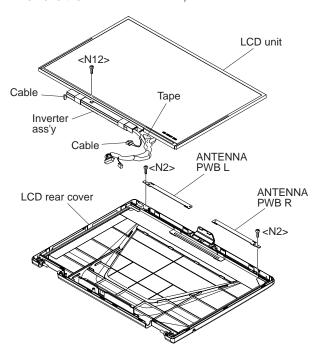
Screws <N2> : DFHE5122YA Screws <N4> : DRHM0093ZA

# 9.1.9. Removing the LCD unit, Inverter Ass'y and ANTENNA PWB L,R

- 1. Remove the two LCD Rubbers and five LCD Sheets.
- 2. Remove the five Screws <N4> and two Screws <N15>.
- Release the twenty-one Hooks fixing the LCD Front to the LCD unit, remove the LCD Front.



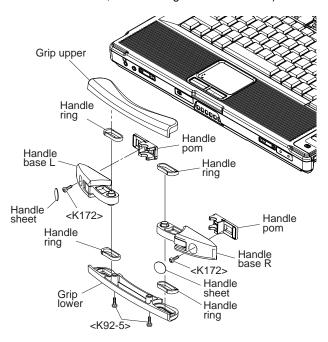
- 4. Remove the Screw <N12> and Tape, and remove the LCD unit.
- Disconnect the two Cables, and remove the Inverter Ass'y.
- 6. Remove the eleven Tapes and two Screws <N2>, and remove the ANTENNA PWB L, R.



Screws <N2>: DFHE5122YA Screws <N4>: DRHM0093ZA Screws <N12>: DXSB2+4FNLT Screws <N15>: XQN17+BJ6FJ

#### 9.1.10. Removing the Handle Ass'y

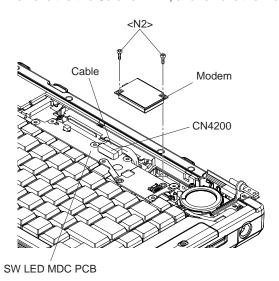
- 1. Remove the two Handle Sheets and two Screws <K172>, remove the Handle Ass'y.
- 2. Remove the two Screws <K92-5>, and disassemble the Handle Ass'y (Grip Upper, Grip Lower, Handle Base L, Handle Base R, Handle Ring and Handle Pom).



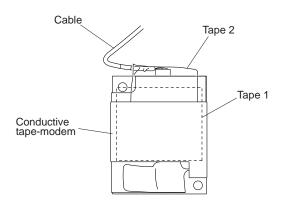
Screws <K92-5>: DRSB3+8FKLT Screws <K172>: DRYN4+J12KLT

#### 9.1.11. Removing the Modem

- 1. Disconnect the Cable from the Connecor(CN4200).
- 2. Remove the two Screws <N2>, and remove the Modem.



3. Remove the Tape1, Conductive tape-modem and Tape2, disconnect the Cable from Modem

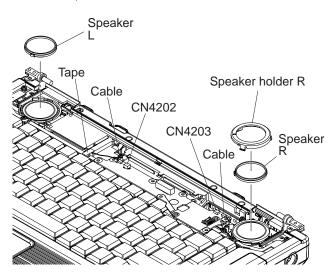


Screws <N2>: DFHE5122YA

# 9.1.12. Removing the SW LED MDC PCB and Speakers

#### 9.1.12.1. SW LED MDC PCB

1. Disconnect the Cables from the Connectors(CN4202 and CN4203), and remove SW LED MDC PCB.



#### 9.1.12.2. Speaker R

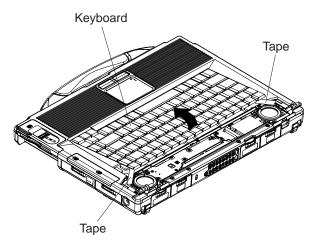
1. Remove the Speaker Holder R, and remove the Speaker R

#### 9.1.12.3. Speaker L

1. Remove the Tape, and remove the Speaker L.

#### 9.1.13. Removing the Keyboard

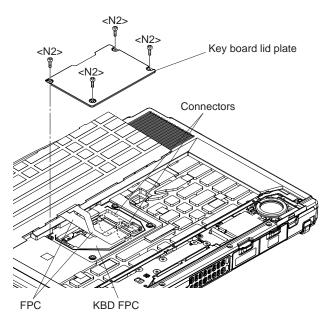
- 1. Remove the two Tapes.
- 2. Lift the upper part of the Keyboard and draw it backward, and then turn the Keyboard over forward.



#### Note:

Take extreme care when peeling off the tape as it is strongly sticked.

- 3. Remove the four Screws <N2>, and remove the Keyboard Lid Plate.
- 4. Disconnect the two FPC from the two Connectors (KBD FPC).

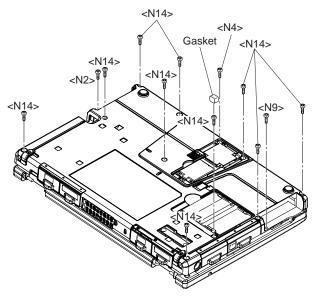


5. Remove the Keyboard.

Screws <N2>: DFHE5122YA

#### 9.1.14. Removing the Top Cover

- 1. Remove the Gasket.
- 2. Remove the Screws <N2>, <N4>, <N9> and ten Screws <N14>

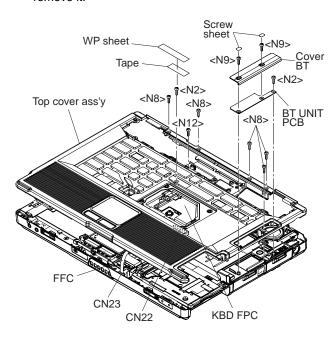


- 3. Turn the unit to the face, remove the Screw <N12> and five Screws <N8>.
- Remove the WP Sheet and Tape, and remove the Screw <N12>.
- 5. Remove the two Screw Sheets.

Remove the two Screws <N9>, and remove the Cover BT.

Remove the Screw <N2> and disconnect the Cable from the BT UNIT PCB, and remove it.

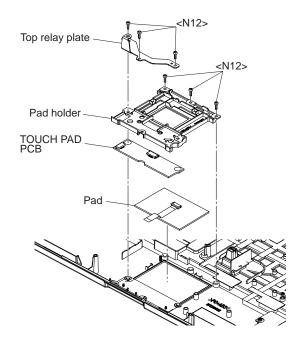
Disconnect the FFC and KBD FPC from the Connectors(CN23 and CN22), and lift up the Top Cover Ass'y and remove it.



Screws <N2>: DFHE5122YA Screw <N4>: DRHM0093ZA Screws <N8>: DRHM5054XAT Screws <N9>: DRHM5104ZAT Screws <N12> : DXSB2+4FNLT Screws <N14> : XTB26+10GJKT

# 9.1.15. Removing the Pad and TOUCH PAD PCB

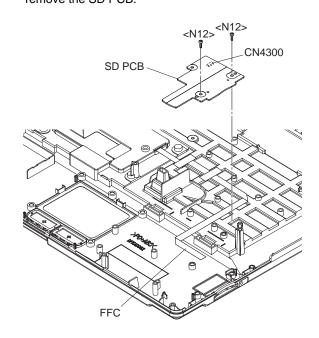
- 1. Remove the six Screws <N12>.
- 2. Remove the Top Relay Plate and Pad Holder.
- 3. Remove the Pad and TOUCH PAD PCB.



Screws <N12>: DXSB2+4FNLT

#### 9.1.16. Removing the SD PCB

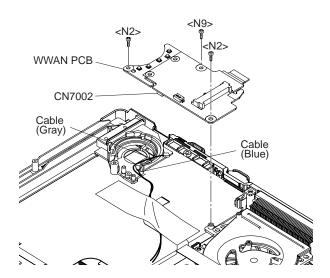
- 1. Remove the two Screws <N12>.
- 2. Disconnect the FFC from the Connector(CN4300), and remove the SD PCB.



Screws <N12>: DXSB2+4FNLT

#### 9.1.17. Removing the WWAN PCB

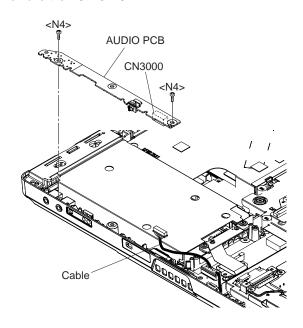
- Disconnect the Cables(Gray and Blue) from the WWAN PCB.
- 2. Remove the two Screws <N2> and the Screw <N9>.
- 3. Disconnect the FPC from the Connector(CN7002), and remove the SD PCB.



Screws <N2>: DFHE5122YA Screw <N9>: DRHM5104ZAT

#### 9.1.18. Removing the AUDIO PCB

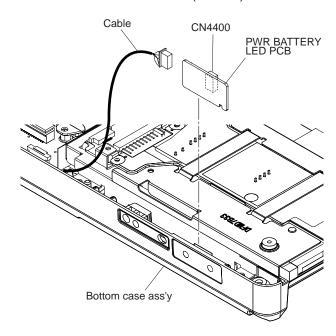
- 1. Remove the two Screws <N4>.
- 2. Disconnect the Cable from the Connector(CN3000), and remove the AUDIO PCB.



Screw <N4>: DRHM0093ZA

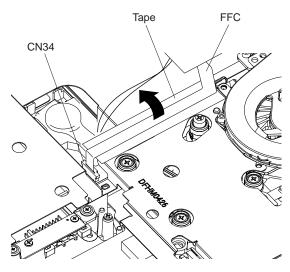
# 9.1.19. Removing the PWR BATTERY LED PCB

1. Remove the PWR BATTERY LED PCB, and disconnect the Cable from the Connector(CN4400).

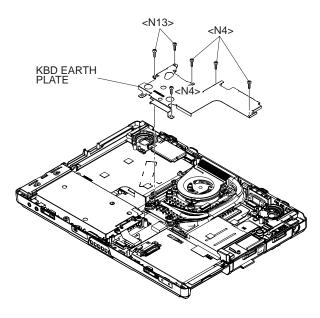


#### 9.1.20. Removing the KBD Earth Plate

1. Remove the Tape in the direction of arrow.



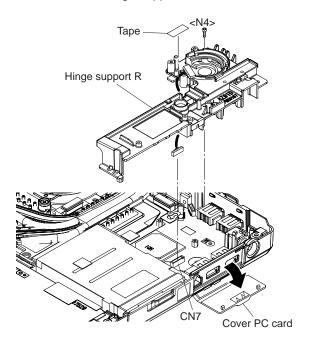
2. Remove the four Screws <N4> and two Screws <N13>, and remove the KBD Earth Plate.



Screw <N4> : DRHM0093ZA Screw <N13> : DXYN2+F12FNL

#### 9.1.21. Removing the Hinge Support R

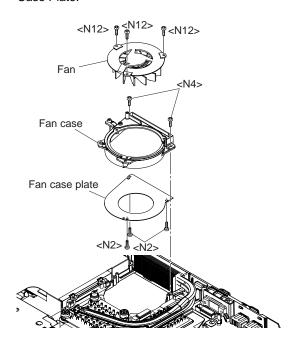
- 1. Peel off the Tape and remove the Screw <N4>.
- 2. Disconnect the Cable from the Connector (CN7).
- 3. Turn the Cover PC Card down in the direction of arrow, and remove the Hinge Support R.



Screw <N4>: DRHM0093ZA

#### 9.1.22. Removing the Fan Ass'y

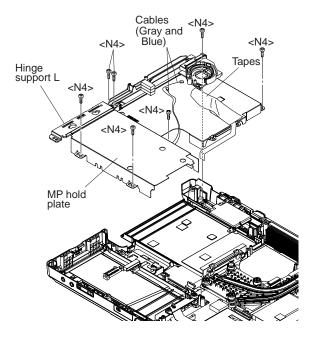
- 1. Disconnect the Cable from the Connector(CN18).
- 2. Remove the two Screws <N4>, and remove the Fan Ass'y.
- 3. Remove the three Screws <N12>, and remove the Fan.
- 4. Remove the three Screws <N2>, and remove the Fan Case Plate.



Screw <N2>: DFHE5122YA Screw <N4>: DRHM0093ZA Screw <N12>: DXSB2+4FNLT

# 9.1.23. Removing the Hinge Support L and MP Hold Plate

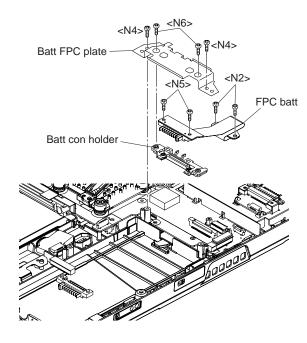
- 1. Peel off the three Tapes and remove the two Cables(Gray and Blue).
- 2. Remove the six Screws <N4>, remove the Hinge Support L and MP Hold Plate.



Screw <N4>: DRHM0093ZA

# 9.1.24. Removing the Battery Connector Ass'y

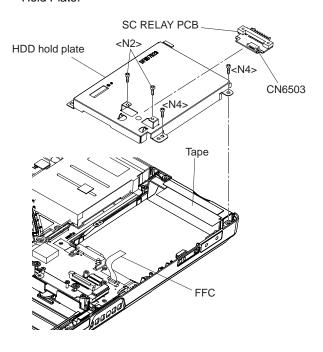
- 1. Remove the two Screws <N2> and <N4>, and remove the Battery Connector Ass'y.
- 2. Remove the two Screws <N6>, and remove the Batt FPC Plate.
- 3. Remove the two Screws <N5>, and remove the Batt Con Holder from the FPC Batt.



Screw <N2>: DFHE5122YA Screw <N4>: DRHM0093ZA Screw <N5> : DRHM0112ZA Screw <N6> : DRHM0115ZA

# 9.1.25. Removing the SC RELAY PCB and HDD Hold Plate

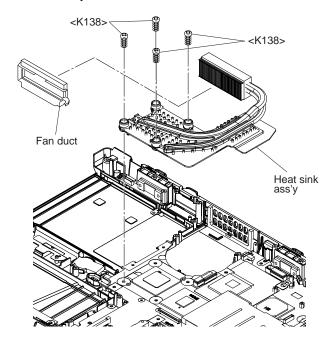
- 1. Disconnect the FFC from the Connector(CN6503).
- Remove the two Screws <N2>, and remove the SC RELAY PCB.
- 3. Remove the two Screws <N4>, and remove the HDD Hold Plate.



Screw <N2> : DFHE5122YA Screw <N4> : DRHM0093ZA

#### 9.1.26. Removing the Heat Sink Ass'y

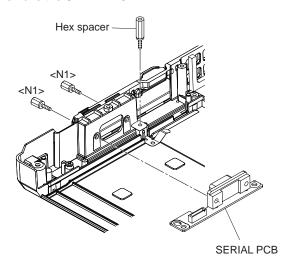
- 1. Remove the Fan Duct.
- 2. Remove the four Screws <K138>, and remove the Heat Sink Ass'y.



Screw <K138>: DRHM0119ZAT

#### 9.1.27. Removing the SERIAL PCB

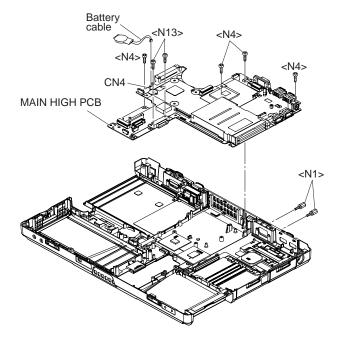
- 1. Remove the two Screws <N1> and Hex Spacer.
- 2. Remove the SERIAL PCB.



Screw <N1>: DFHE5035ZB

#### 9.1.28. Removing the MAIN HIGH PCB

- 1. Remove the two Screws <N1>, four Screws <N4> and two Screws <N13>.
- 2. Disconnect the Battery Cable from the Connector(CN4).
- 3. Remove the MAIN HIGH PCB.



Screw <N1> : DFHE5035ZB Screw <N4> : DRHM0093ZA Screw <N13> : DXYN2+F12FNL

#### 9.2. Reassembly Instructions

#### 9.2.1. Attention when CF-52 series is repaired

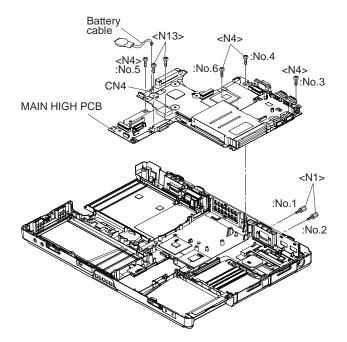
- Please execute writing BIOS ID when you exchange the Main Board.
- You cannot reuse the Conductive Clothes and the heat dissipating parts such as Sheet and Rubber. Use new parts.

#### 9.2.2. Setting the MAIN HIGH PCB

#### Note:

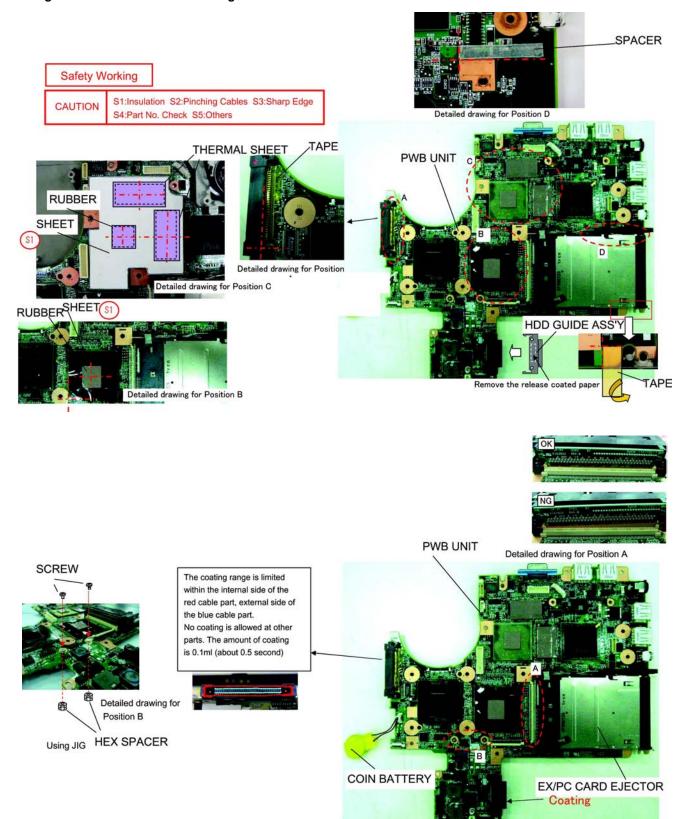
After replacing the Main Board, rewrite the BIOS ID.

- 1. Set the MAIN HIGH PCB to the computer.
- 2. Fix the MAIN HIGH PCB using the two Screws <N1>. No.1, No.2
- 3. Fix the MAIN HIGH PCB using the two Screws <N4>. No.3 to No.6
- 4. Fix the MAIN HIGH PCB using the two Screws <N13>.
- 5. Connect the Battery Cable to the Connector (CN42).



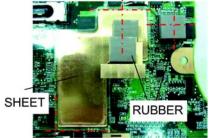
Screw <N1>: DFHE5035ZB Screw <N4>: DRHM0093ZA Screw <N13>: DXYN2+F12FNL Screws <N9>: DFHE5025XA

#### ■ Setting of Main PCB before assembling.

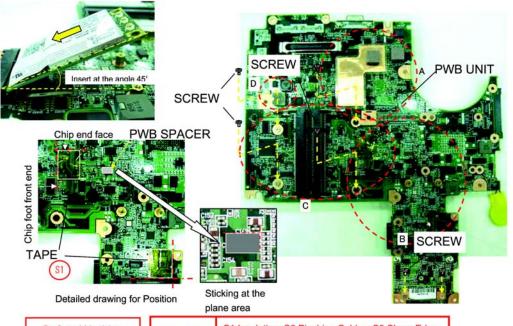








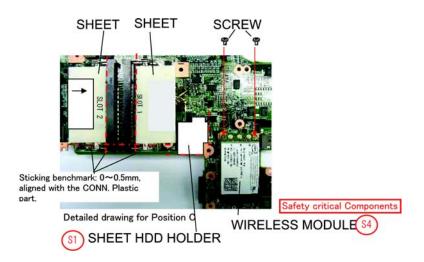
Detailed drawing for Position



Safety Working

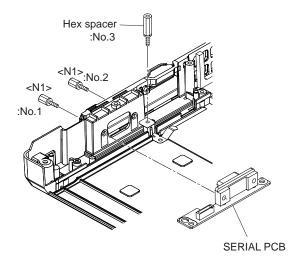
CAUTION

S1:Insulation S2:Pinching Cables S3:Sharp Edge S4:Part No. Check S5:Others



## 9.2.3. Setting the SERIAL PCB

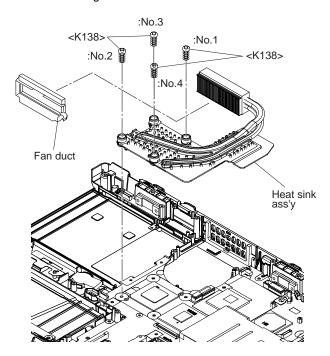
- 1. Set the SERIAL PCB to the computer.
- 2. Fix the SERIAL PCB using the two Screws <N1>. No1, No.2
- 3. Tighten the Hex Spacer to the SERIAL PCB. No.3



Screw <N1>: DFHE5035ZB

# 9.2.4. Setting the Heat Sink Ass'y

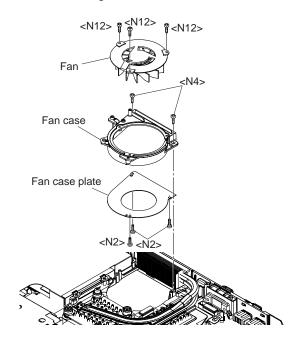
- 1. Set the Fan Duct to the Heat Sink Ass'y.
- 2. Fix the Heat Sink Ass'y to the MAIN PCB using the four Screws <K138>. No.1 to No.4



Screw <K138>: DRHM0119ZAT

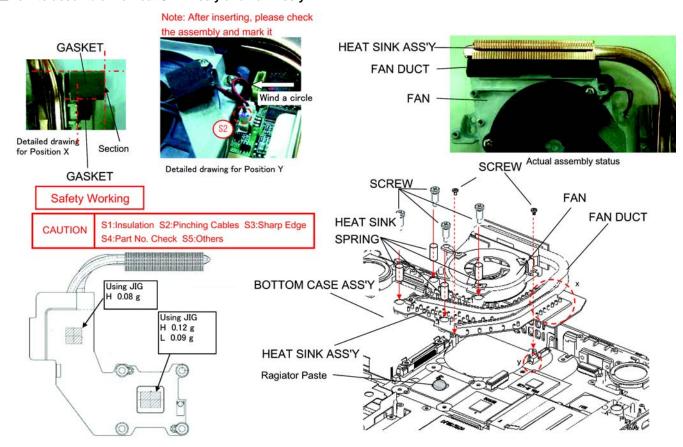
## 9.2.5. Setting the Fan Ass'y

- 1. Fix the Fan Case Plate to the Fan Case using the three Screws <N2>.
- 2. Fix the Fan to the Fan Case using the three Screws <N12>.
- 3. Set the Fan Ass'y to the computer, and fix it using two Screws <N4>. No.1, No.2



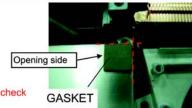
Screw <N2>: DFHE5122YA Screw <N4>: DRHM0093ZA Screw <N12>: DXSB2+4FNLT

#### ■How to assemble the Heat Sink Ass'y and Fan Ass'y.



CAUTION S1:Insulation S2:Pinching Cables S3:Sharp Edge S4:Part No. Check S5:Others

Safety Working

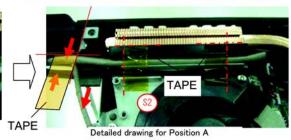


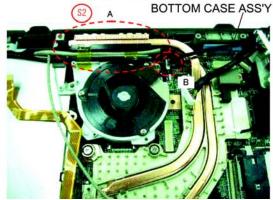
Note: After inserting, please check the assembly and mark it



Detailed drawing for Position B

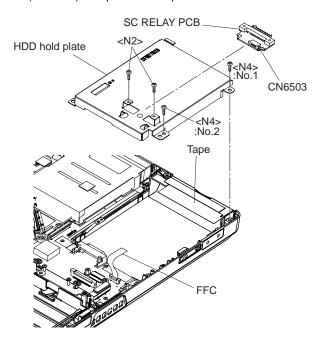
Note: The cable setting method for the electric cable indicated by the red arrows shall be in accordance with the following figure



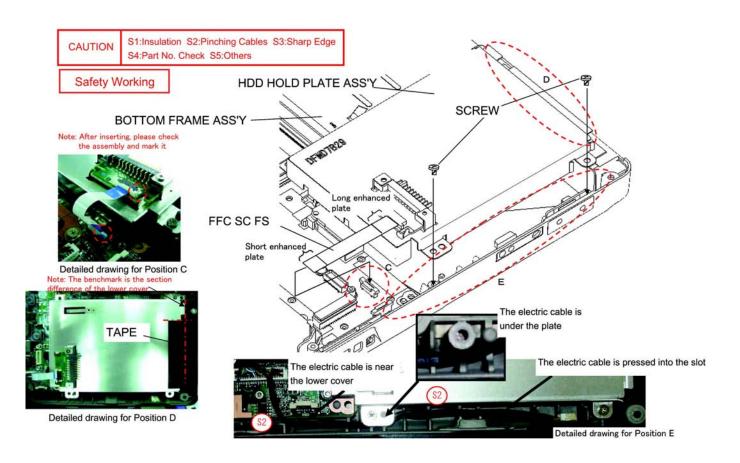


## 9.2.6. Setting the SC RELAY PCB and HDD Hold Plate

- 1. Set the SC REALY PCB to the HDD Hold Plate, and fix it using two Screws <N2>. No.1, No.2
- 2. Fix the HDD Hold Plate to the MAIN HIGH PCB using the two Screws <N4>. No.3, No.4
- 3. Connect the FFC to the Connector(CN6503) and paste the Tape.

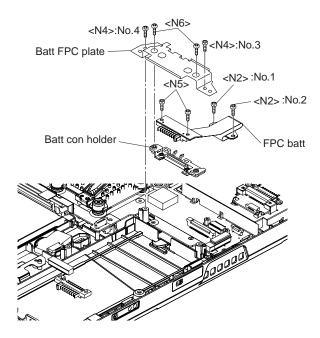


Screws <N2> : DFHE5122YA Screws <N4> : DRHM0093ZA



## 9.2.7. Setting the Battery Connector Ass'y

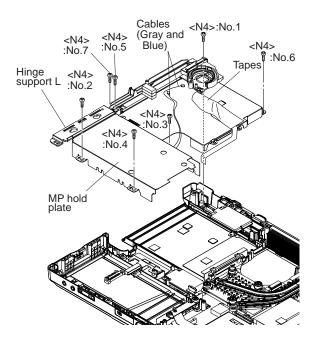
- 1. Fix the Batt Con Holder to the FPC Batt using the two Screws <N5>.
- 2. Fix the Batt Con Holder to the Batt FPC Plate using the two Screws <N6>.
- 3. Fix the Batt FPC Plate to the computer using the two Screws <N4>. No.1, No.2
- 4. Connect the FPC Batt's connector to the connector(CN1000), and fix the FPC Batt to the MAIN HIGH PCB using the two Screws <N2>. No.1, No.2



Screw <N2>: DFHE5122YA Screw <N4>: DRHM0093ZA Screw <N5>: DRHM0112ZA Screw <N6>: DRHM0115ZA

## 9.2.8. Setting the Hinge Support L and MP Hold Plate

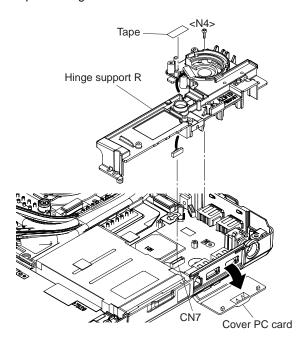
- 1. Set the Hinge Support L and MP Hold Plate to the computer.
- 2. Fix the Hinge Support L and MP Hold Plate using the six Screws <N4>. No.1 to No.6
- 3. Paste the Tapes.



Screw <N4>: DRHM0093ZA

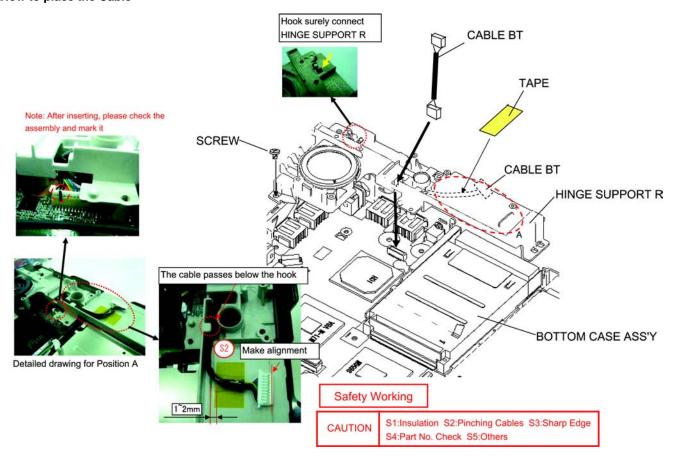
## 9.2.9. Setting the Hinge Cover R

- 1. Place the Cable through the rectangled hole of Hinge Support R and connect the Cable to the Connector (CN7).
- 2. Fix the Hinge Support R to the computer using the Screw <N4>.



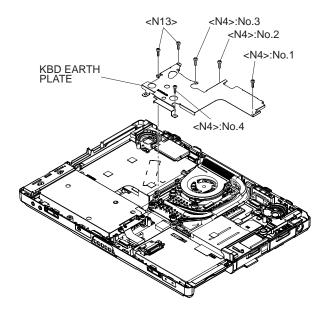
Screw <N4>: DRHM0093ZA

## **■**How to place the Cable

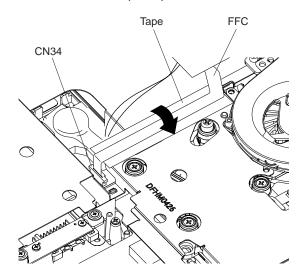


## 9.2.10. Setting the KBD Earth Plate

- 1. Set the KBD Earth Plate to the computer.
- 2. Fix the KBD Earth Plate using the four Screws <N4>. No.1 to No.4
- 3. Fix the KBD Earth Plate using the two Screws<N13>.



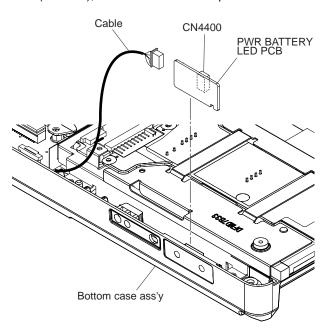
4. Paste the tape, and connect the FPC to the Connector(CN34).



Screw <N4> : DRHM0093ZA Screw <N13> : DXYN2+F12FNL

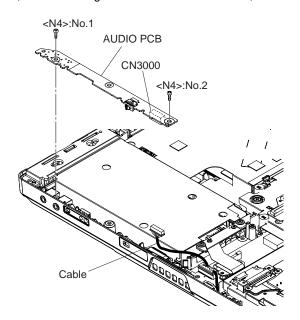
# 9.2.11. Setting the PWR BATTERY LED PCB

1. Connect the Cabel to the Connector(CN4400), and insert it to the computer.



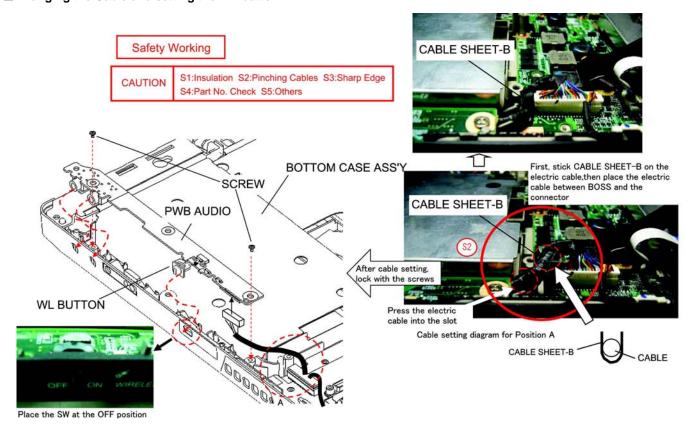
## 9.2.12. Setting the AUDIO PCB

- 1. Connect the Cable to the Connector(CN3000).
- 2. Set the AUDIO PCB to the computer, and fix it using the two Screws <N4>. No.1, No.2



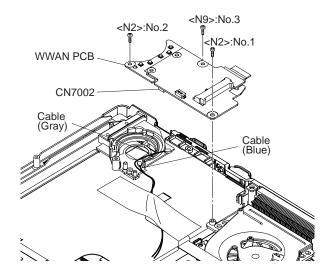
Screw <N4>: DRHM0093ZA

#### ■ Arranging the Cable and setting the WL button.



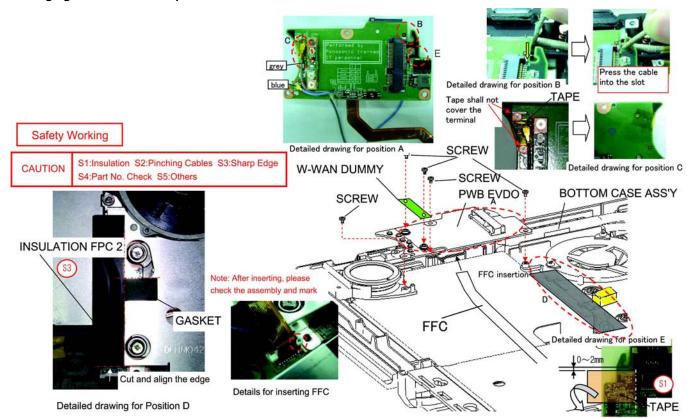
#### 9.2.13. Setting the WWAN PCB

- 1. Connect the FPC to the Connector(CN7002).
- 2. Set the WWAN PCB, and fix it using two Screws <N2> and the Screw <N9>. No.1 to No.3
- 3. Connect the Cable(Gray) to JK7002 and Cable(Blue) to JK7004.



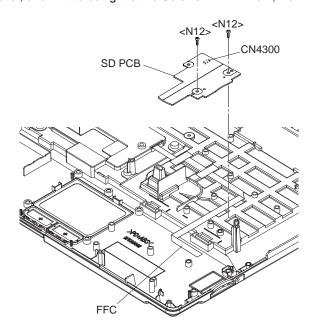
Screw <N2> : DFHE5122YA Screw <N9> : DRHM5104ZAT

#### ■Arranging the Cables and Tapes



## 9.2.14. Setting the SD PCB

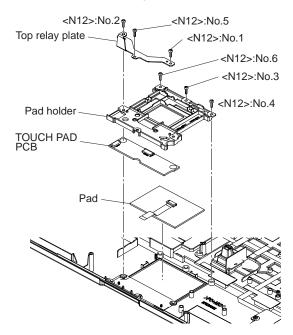
- 1. Connect the FFC to the Connector(CN4300).
- 2. Set the SD PCB to the Top Cover, and fix it to using the two Screws <N12>. No.1, No.2



Screw <N12>: DXSB2+4FNLT

# 9.2.15. Setting the Pad and TOUCH PAD PCB

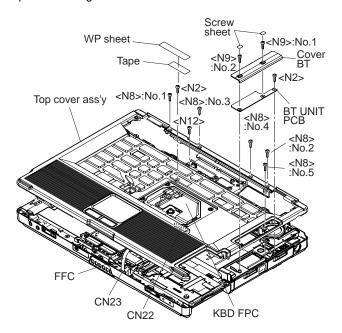
- 1. Paste the Pad and set the TOUCH PAD PCB to the Top Cover.
- 2. Set the Pad Holder and Top Relay Plate, and fix them using the six Screws <N12>. No.1 to No.6



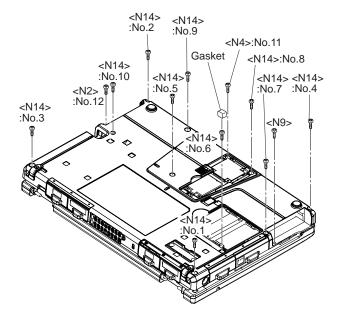
Screw <N12>: DXSB2+4FNLT

#### 9.2.16. Setting the Top Cover

- 1. Connect the KBD FPC and FFC to the Connectors(CN22 and CN23), and place the Top Cover on the computer.
- 2. Fix the Top Cover using the five Screws <N8>. No.1 to No.5
- 3. Fix the Top Cover using the Screw <N12>.
- 4. Fix the BT UNIT PCB to the Top Cover using the Screw <N2> and connect the Cable to the connector.



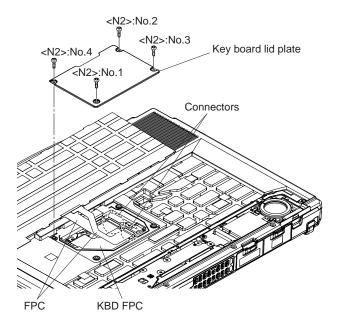
- 5. Fix the Top Cover using the Screw <N2>, and paste the Tape and WP Sheet on it.
- 6. Fix the Cover BT to the Top Cover using the two Screws < N9> No.1, No.2, and paste the Screw Sheet on the Screws.
- 7. Fix the Bottom Case to the Top Cover using the Screw <N2>, <N4> and ten Screws <N14>. No.1 to No.12
- 8. Fix the Bottom Case using the Screw <N9>.
- 9. Paste the Gasket on the Screw <N14>.



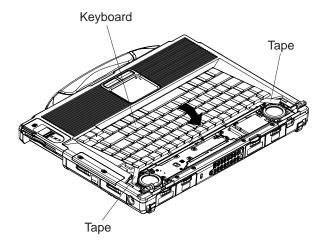
Screws <N2>: DFHE5122YA Screw <N4>: DRHM0093ZA Screws <N8>: DRHM5054XAT Screws <N9>: DRHM5104ZAT Screws <N12>: DXSB2+4FNLT Screws <N14>: XTB26+10GJKT

## 9.2.17. Setting the Keyboard

- 1. Connect the FPCs to the Connector on the KBD FPC.
- 2. Place the Keyboard Lid Plate on the Top Cover, and fix it using the four Screws <N2>. No.1 to No.4

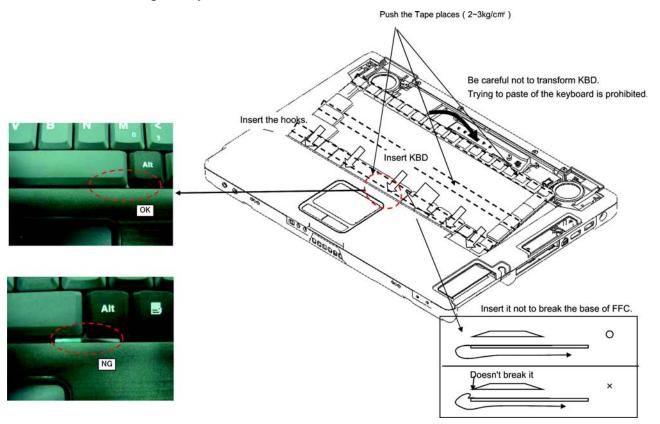


3. Place the Keyboard on the Top Cover and paste the Tapes.



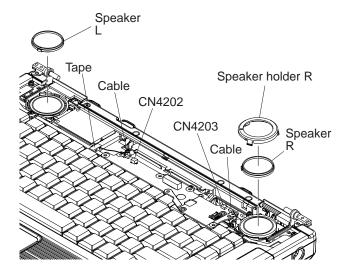
Screws <N2> : DFHE5122YA

# ■Caution for when assembling the Keyboard.



## 9.2.18. Setting the Speakers

- 1. Place the Speakers on the computer.
- 2. Connect the Cables to the Connector(CN4202 and CN4203).
- 3. Paste the Tape on the Cable.
- 4. Attach the Speaker Holder R to the computer.

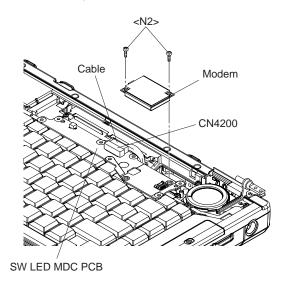


#### Note:

Do not attach the Speaker Holder L to the computer yet.

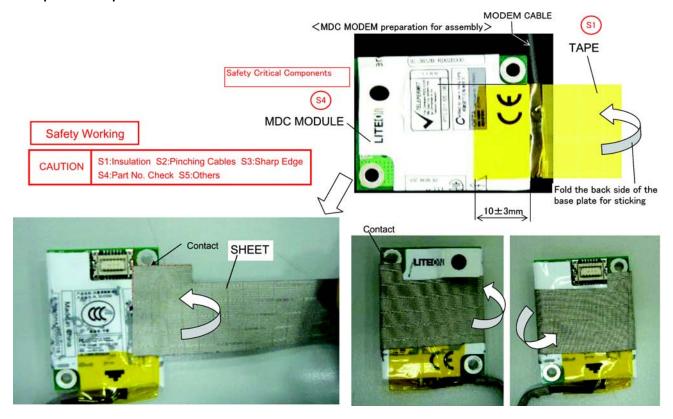
## 9.2.19. Setting the Modem

- 1. Connect the Cable to the Connector.
- 2. Paste the Tape2, Conductive Tape-Modem and Tape1.
- 3. Fix the Modem to the SW LED MDC PCB using the two Screws <N2>.



Screws <N2>: DFHE5122YA

#### **■**How to paste the Tape

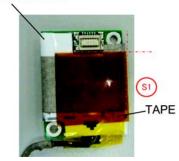




CAUTION

S1:Insulation S2:Pinching Cables S3:Sharp Edge S4:Part No. Check S5:Others

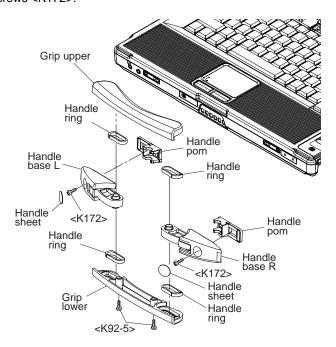
#### MDC MODULE



## 9.2.20. Setting the Handle Ass'y

- 1. Assemle the Handle Ass'y (Grip Upper, Grip Lower, Handle Base L, Handle Base R, Handle Ring and Handle Pom), and fix them using the two Screws <K92-5>.
- 2. Fix the Handle Base Ass'y to the computer using the two Screws <K172>.

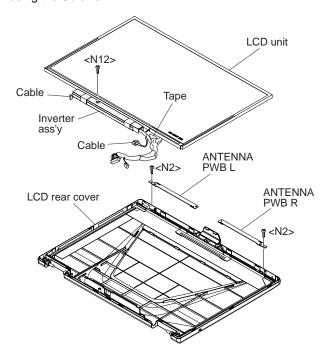
Paste the Handle Sheet on the Screws <K172>.



Screws <K92-5>: DRSB3+8FKLT Screws <K172>: DRYN4+J12KLT

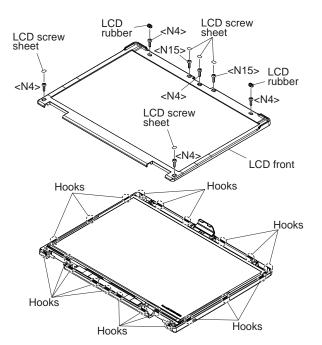
## 9.2.21. Setting the LCD Unit, Inverter Ass'y and Antenna PWB L, R

- 1. Set the LCD Unit to the LCD Rear Cover
- 2. Fix the Inverter Ass'y using the Screw < N12>.
- 3. Fix the Anttena PWB L and R using the Screws <N2>.

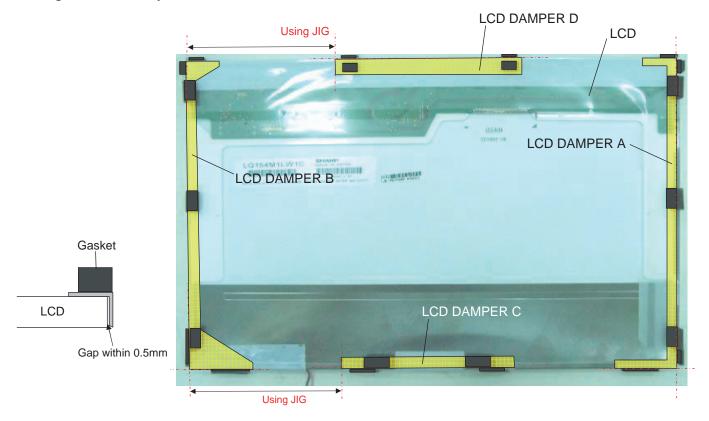


4. Place the LCD Front on the LCD Rear Case. Confirm that the twenty-one Hooks are fixed perfectly.

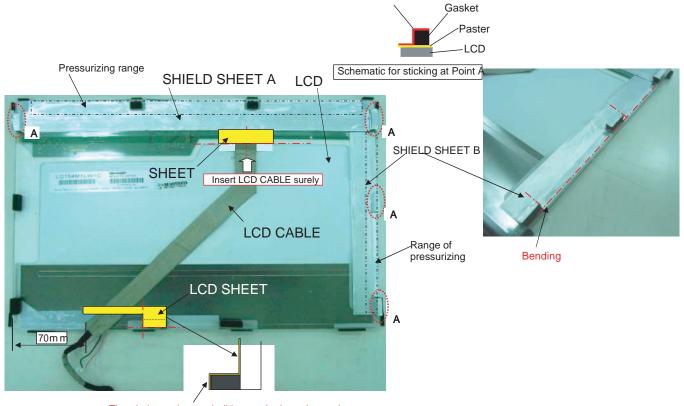
- 5. Fix the LCD Front using the five Screws <N4> and two Screws <N15>.
  - 6. Paste the LCD Screw Sheet and LCD Rubber.



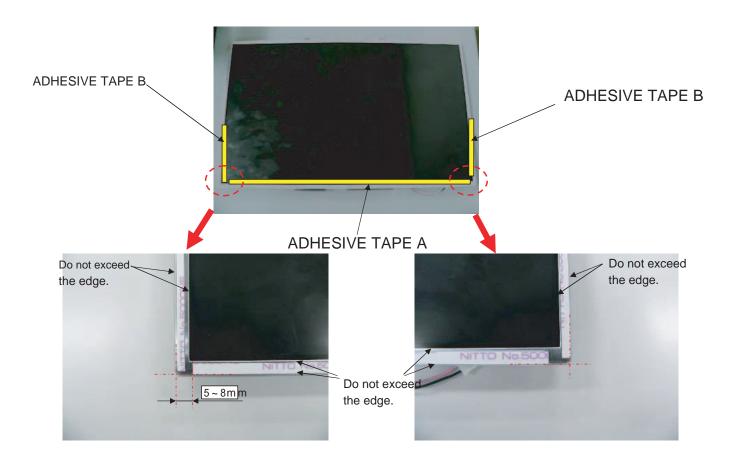
Screws <N2>: DFHE5122YA Screw <N4>: DRHM0093ZA Screws <N12>: DXSB2+4FNLT Screws <N15>: XQN17+BJ6FJ



Alminium (silvery) paster is stuck on the gasket.



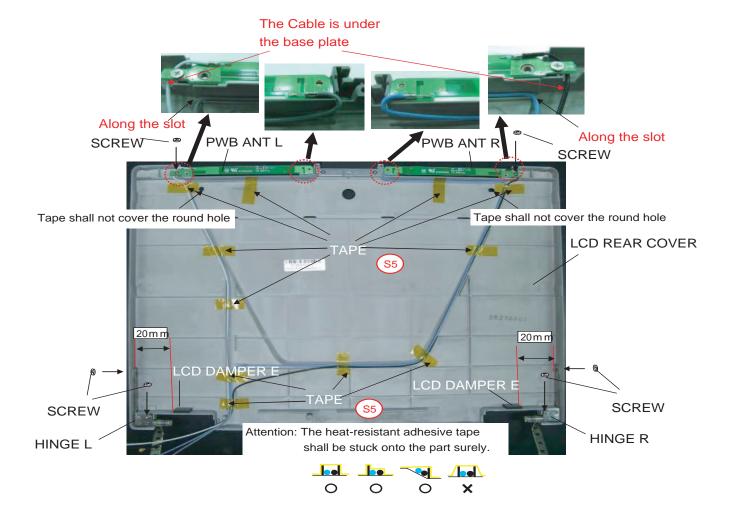
The cloth conductor shall be stuck along the gasket.

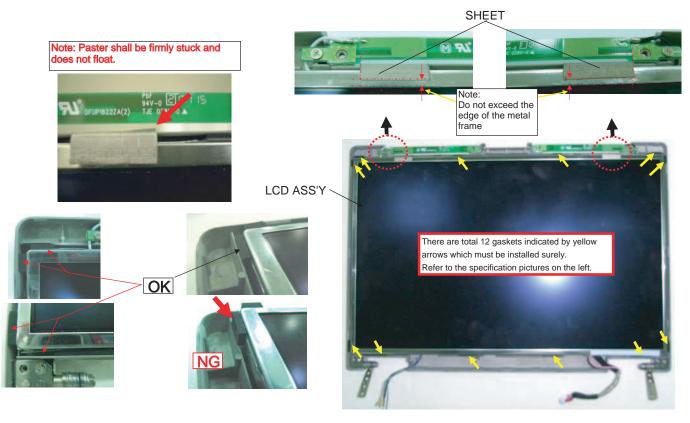


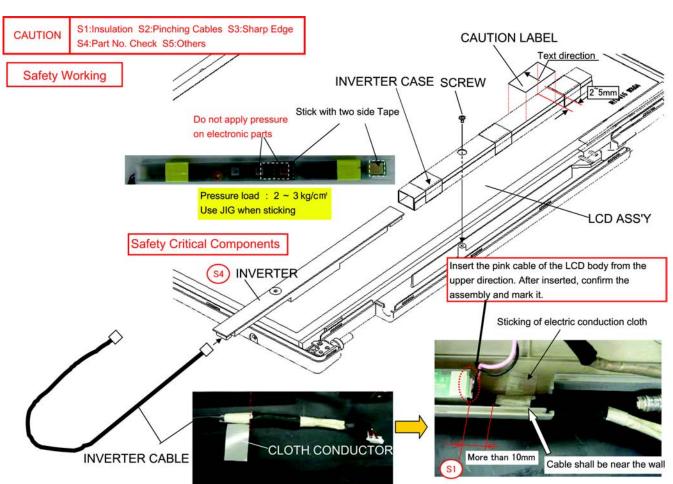
Safety Working

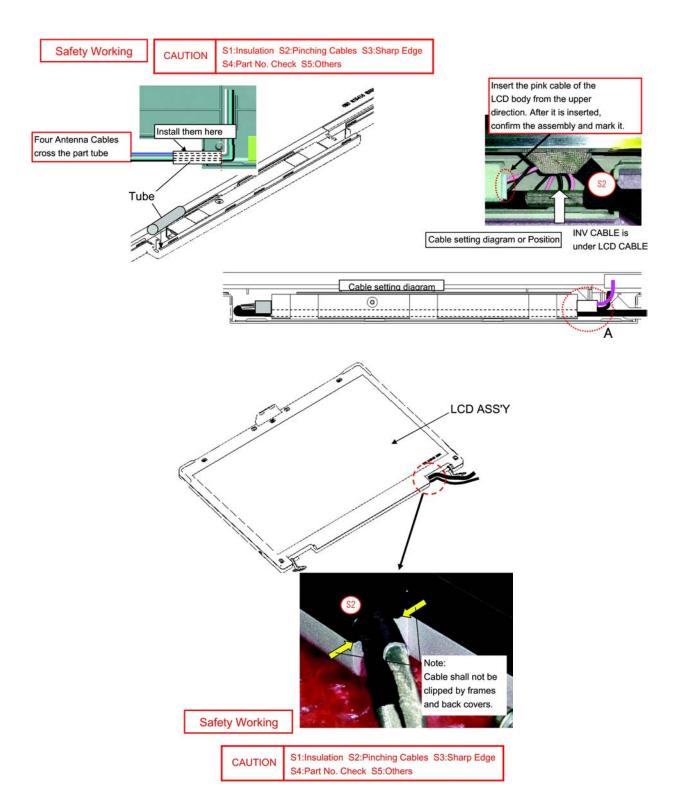
CAUTION

S1:Insulation S2:Pinching Cables S3:Sharp Edge S4:Part No. Check S5:Others



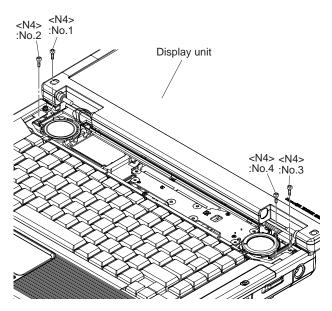




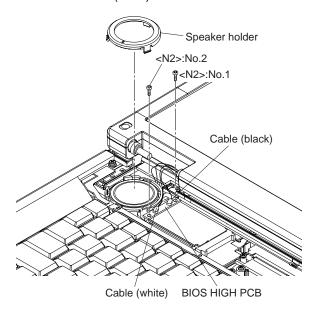


## 9.2.22. Setting the Display Unit, BIOS HIGH PCB and SW LED MDC PCB

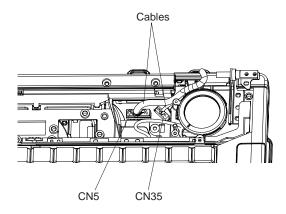
1. Set the Display Unit to the computer, and fix it using the four Screws <N4>. No.1 to No.4



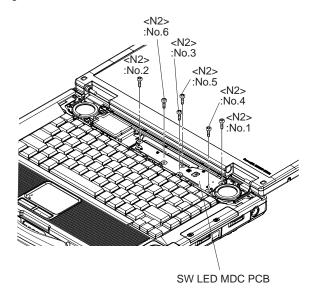
- 2. Connect the Cable(gray) to JK7001 and the Cable(blue) to JK7003 on WWAN PCB.
- 3. Set the BIOS HIGH PCB, and fix it using the two Screws<N2>. No.1, No.2
- 4. Connect the Cable(black) to JK6103 and the Cable(white) to JK6102 on BIOS HIGH PCB.



5. Connect the two Cables to the Connector(CN5 and CN35).

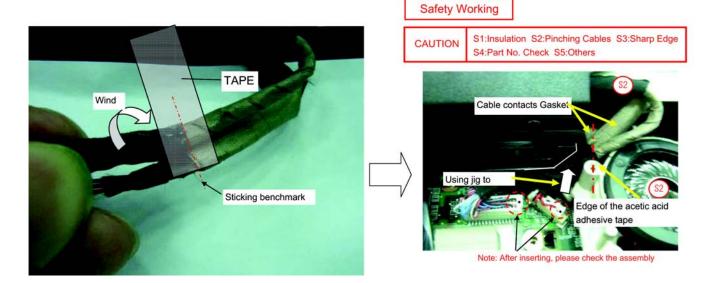


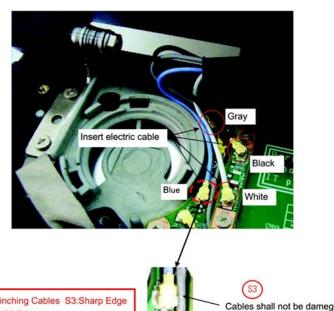
#### 6. Fix the SW LED MDC PCB using the six Screws <N2>. No.1 to No.6



Screw<N2> : DFHE5122YA Screw <N4> : DRHM0093ZA

#### ■Arranging the Cables when assembling the LCD Unit.





Safety Working

CAUTION

S1:Insulation S2:Pinching Cables S3:Sharp Edge S4:Part No. Check S5:Others

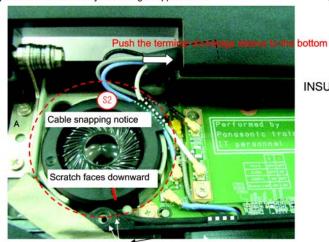
Cables shall not be dameged by the terminal

Safety Working

CAUTION

S1:Insulation S2:Pinching Cables S3:Sharp Edge S4:Part No. Check S5:Others

Note: When assembling SPEAKER HOLDER check whether the three points of the hook surely hook Hinge Support or not.



SP CABLE is at the left side of the post

SPEAKER HOLDER

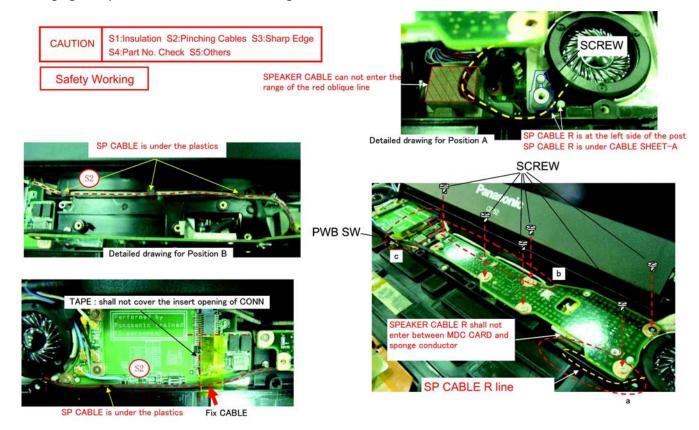
SPEAKER RUBBER

SPEAKER ASS'Y L

INSULATION SHEET SPEAKER

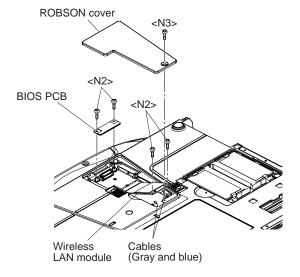
Detailed Drawing for Position A

SP CABLE is under the plastics



## 9.2.23. Setting the Wireless LAN Module, BIOS PCB and ROBSON Cover

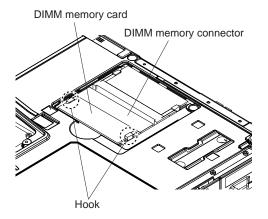
- 1. Put the Wireless LAN Module into the connector at an angle of fourty-five degrees.
- 2. Attach the BIOS PCB to the MAIN HIGH PCB, fix it using the two Screws <N2>.
- 3. Set the ROBSON Cover, and fix it using the Screw <N3>.



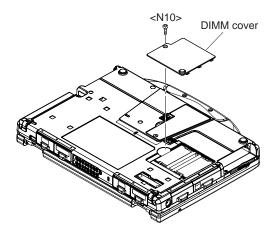
Screw <N2> : DFHE5122YA Screw <N3> : DRHM0065ZA

## 9.2.24. Setting the DIMM Memory Card and DIMM Cover

- 1. Put the DIMM Memory Card into the connector.
- 2. Close the right and left Hooks, and paste the Tape.



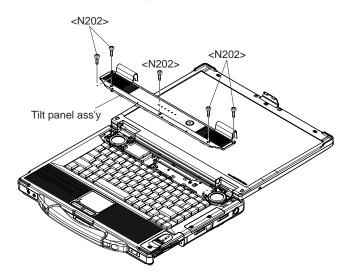
3. Set the DIMM Memory Card, and fix it using the Screw <N10>.



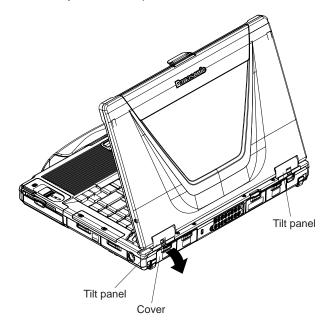
Screw <N10>: DRSB2+3FKLT

# 9.2.25. Setting the Tilt Panel Ass'y

1. Set the Tilt Panel Ass'y to the computer, and fix it using the five Screws <N202>.

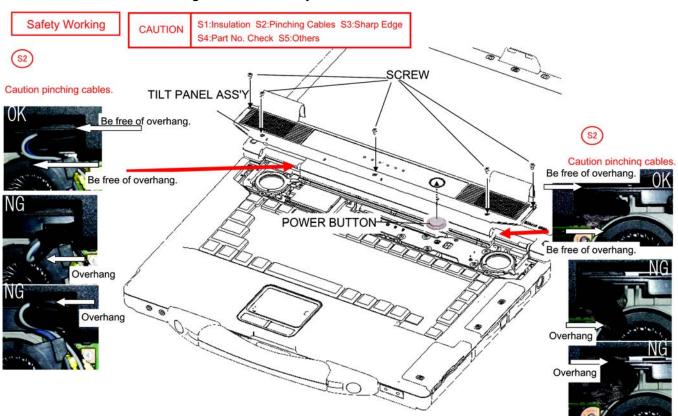


2. Open the Cover, push the Tilt Panel Ass'y into the computer until it clicks.



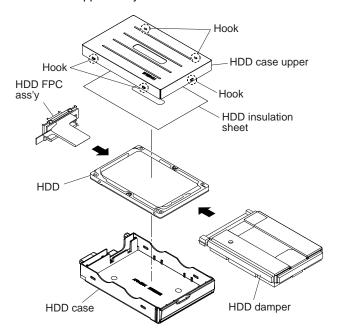
Screw <N202> : DRSB2+4FKLT

#### ■Caution for when assembling the Tilt Panel Ass'y

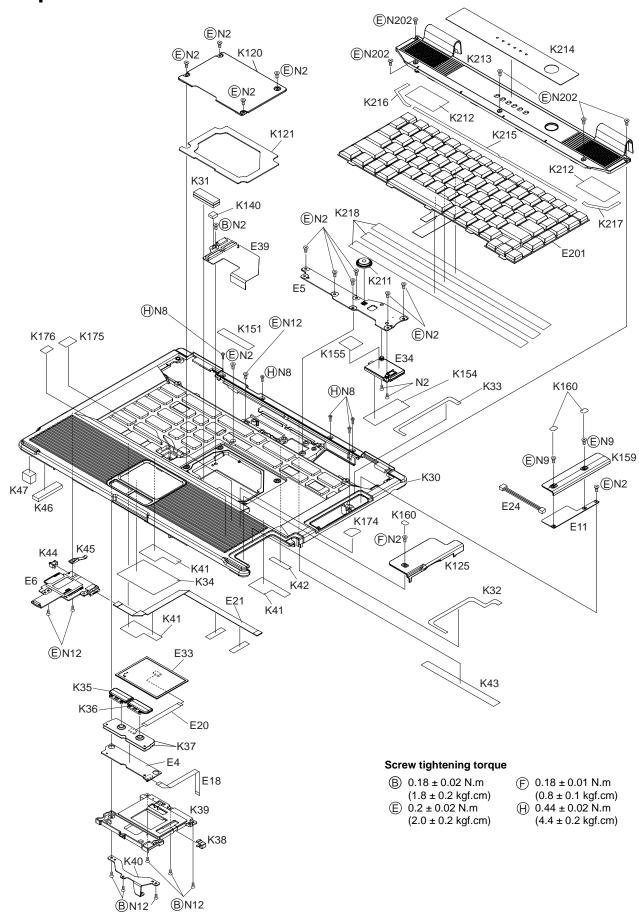


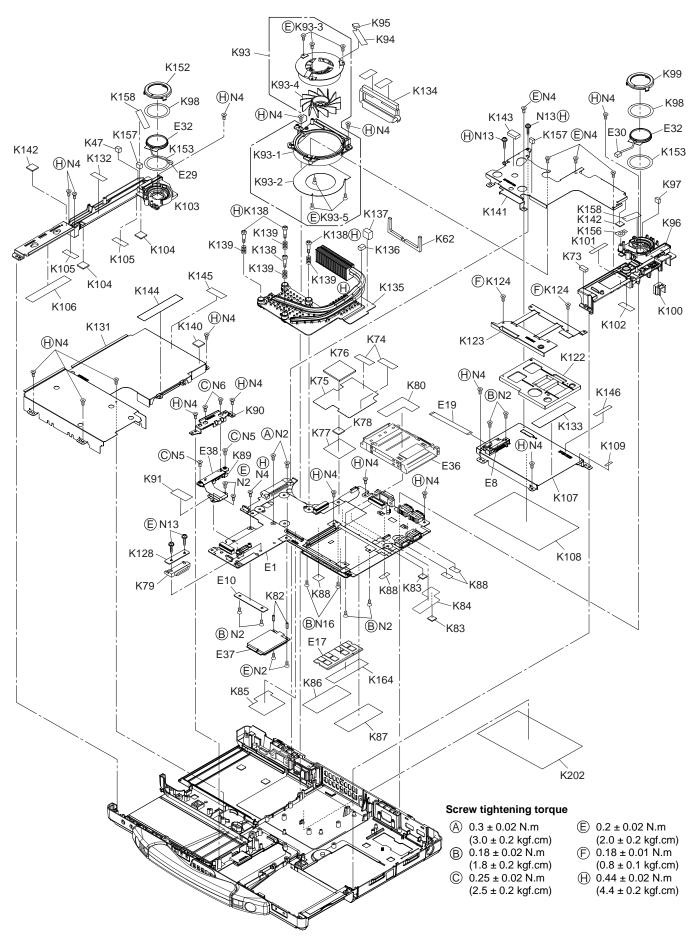
# 9.2.26. Setting the HDD

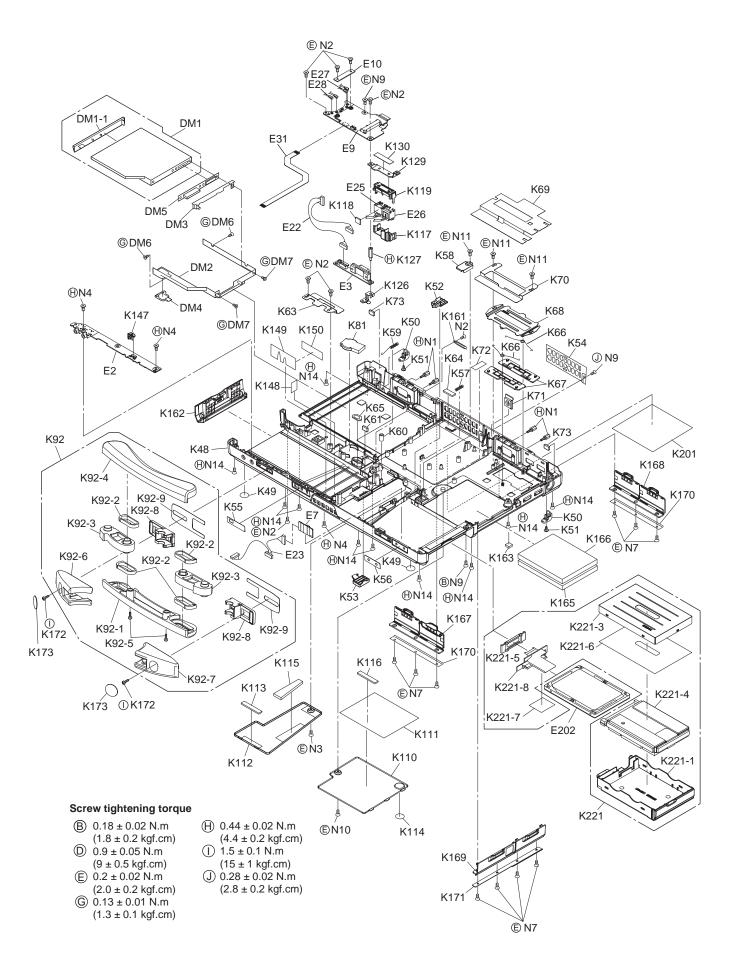
- 1. Connect the HDD FPC Ass'y to the HDD.
- 2. Insert the HDD Ass'y into the HDD Damper.
- 3. Set the HDD Ass'y into the HDD Case Upper.
- 4. Attach the HDD Case into the HDD Case Upper Ass'y

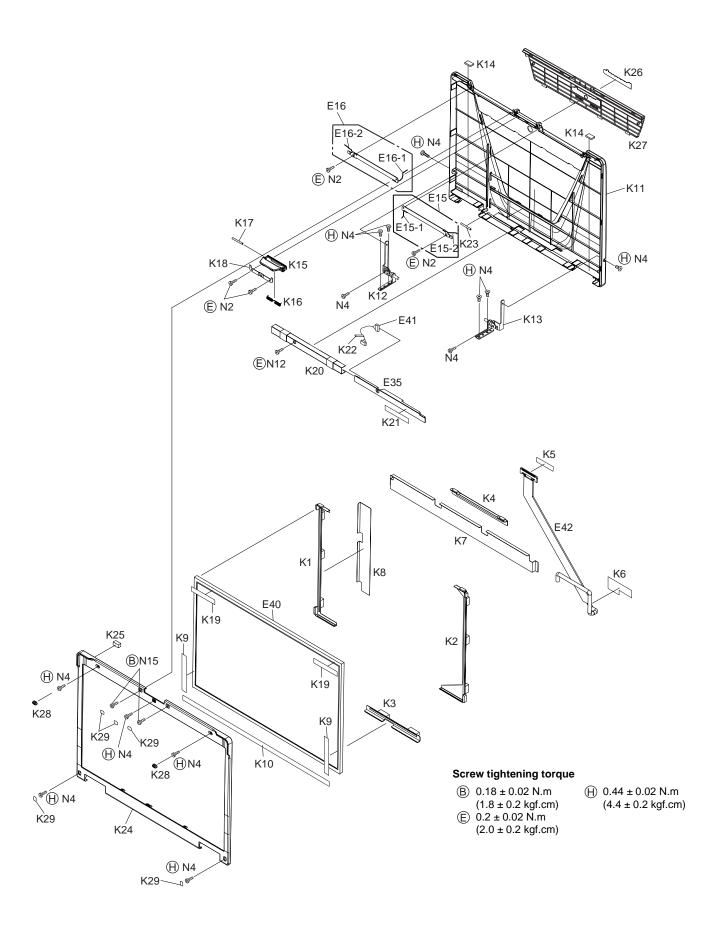


# 10 Exploded View









# **Replacement Parts List**

Note : Important Safety Notice

Components identified by mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

## CF-52AJYZDZM NRP: Non Reusable Parts

DEE 110 1	4554		T	
REF. NO and	AREA	PART NO.	DESCRIPTION	Q'TY
Main Block Unit				
E1		DL3U11616AAA	PCB, MAIN HIGH RTL	. 1
E2		DL3U21616AAA	PCB, AUDIO RTL	. 1
E3		DL3U31616AAA	PCB, SERIAL RTL	. 1
E4		DL3U41616AAA	PCB, TOUCH PAD RTL	. 1
E5		DL3U51616AAA	PCB, SW LED MDC RTL	. 1
E6		DL3U61616AAA	PCB, SD RTL	. 1
E7		DL3U71616AAA	PCB, PWR BATTERY LED RTL	. 1
E8		DL3U81616AAA	PCB, SC RELAY RTL	. 1
E9		DL3U91616AAA	PCB, WWAN RTL	. 1
E10		DL3UA1616AAA	PCB, BIOS HIGH RTL	. 1
E11		DL3UP1621AAA	PCB, BT UNIT RTL	. 1
E15		DL3U11622AAA	ANTENNA PWB R RTL	. 1
E15-1		DFJS1098ZB	WLAN ANTENNA CABLE R	1
E15-2		DFJS1100ZA	WWAN ANTENNA CABLE R	1
E16		DL3U21622AAA	ANTENNA PWB L RTL	. 1
E16-1		DFJS1097ZB	WLAN ANTENNA CABLE L	1
E16-2		DFJS1099ZB	WWAN ANTENNA CABLE L	1
E17		N5ZZ00000128	1GB DDR2-667 SO-DIMM	1
E18		DFJK9012YA	FFC, PAD	1
E19		DFJK9014YA	FFC, SC FS	1
E20		DFJK9024ZB	FFC, CLICK	1
E21		DFJK9025ZA	FFC SD	1
E22		DFJS1078ZA	SW LED I/O CABLE	1
E23		DFJS1079ZA	AUDIO LED SW CABLE	1
E24		DFJS1080ZA	BLUETOOTH CABLE	1
E25		DFJS1081ZB	LAN CABLE	1
E26		DFJS1082ZB	MODEM CABLE	1
E27		DFJS1095ZB	CABLE ANT RELAY WLAN L	1
E28		DFJS1096ZC	RELAY WLAN ANTENNA CABLE R	1
E29		DFJS1111ZB	SPEAKER CABLE-L	1
E30		DFJS1112ZB	SPEAKER CABLE-R	1
E31		DFUP1641ZA	FPC	1
E32		L0AA02A00080	SPEAKER	2
E33		N2EAYYY00003	PAD	1
E34	Δ	N5HAZ0000016	MODEM	1
E35	Δ	N0GF1J000011	INVERTER NRF	1
E36		K1NB94B00002	EX/PC CARD EJECTOR	1
E37	$\triangle$	N5HZC0000031	WIRELESS LAN MODULE	1
E38		DFWP0146ZA	BATTERY FPC ASS'Y	1
E39		DFWP0147ZB	KBD SD RELAY FPC ASS'Y	1
E40		L5EDDYY00060	LCD HIGH	1
E41		DFJS1077YA	INVERTER CABLE	1
E42		DFJS1128ZA	LCD CABLE	1
E201		N2ABZY000035	KEYBOARD VISTA US	1
E202	Δ	N3CAYYY00021	HDD	1
Accessories				
A1	Δ	DFQW5048ZBT	MANUAL(CF-52MK1 USA)	1
A2	$\overline{\mathbb{A}}$	K2CG3DR00004	AC CORD	1
A3	$\overline{\mathbb{A}}$	CF-AA1683AMA	AC ADAPTOR	1
A4	<u> </u>	CGR-B/982AE	LITHIUM ION BATTERY PACK	1
A5		DFJS1070ZA	MODEM CABLE	1
Packing Material		•		-
P1		DFPN0851ZAT	CUSHION T	2
P2		DFPN0852ZAT	CUSHION B	2
P3		DFPE0873ZAT	BATTERY HOLDER	1
P4		DFPE0874ZBT	MANUAL HOLDER	1

P5	DFPE0875ZCT	ACCESSORY HOLDER		1
P6	DFPK1234ZAT	PACKING CASE		1
P7	DFPH0077ZAT	PROTECTION SHEET		1
P8	DFPP0136ZAT	PROTECTION BAG		1
Mechanical Parts				
K1	DFHR3G84ZB	LCD DAMPER A	NRP	1
K2	DFHR3G85ZC	LCD DAMPER B	NRP	1
K3	DFHR3G86ZC	LCD DAMPER C	NRP	1
K4	DFHR3G87ZA	LCD DAMPER D	NRP	1
K5	DFMC0770ZA	CONDUCTIVE TAPE	NRP	1
K6	DFHE1071ZB	CONDUCTIVE TAPE	NRP	1
K7	DFMC0889ZA	SHIELD SHEET A	NRP	1
K8	DFMC0890ZA	SHIELD SHEET B	NRP	1
K9	DFHR3J68ZA	ADHESIVE TAPE-B	NRP	2
K10	DFHR3J67ZA	ADHESIVE TAPE-A	NRP	1
K11 <u>∧</u>	DFKF0281YA-0	LCD REAR COVER		1
K12	DFBH1184ZB	HINGE L		1
K13	DFBH1185ZB	HINGE R	NDD	1
K14	DFHR3J72ZA	LCD DAMPER E	NRP	2
K15 <u>∧</u>	DFKE0900ZA-0 DFUN0086ZA	LCD LATCH SPRING		<u>1</u>
K16 K17	DFUNUU86ZA DFDF5026ZA	LCD_LATCH_SPRING		1
K17 K18	DFMD7B37ZA	LCD LATCH SHAFT LATCH HOLD PLATE		<u>1</u> 1
K19	DFHE1068ZB		NRP	2
K20	DFMX1282ZC	CONDUCTIVE TAPE-20X20 INVERTER CASE	NRP	1
K21	DFQT6077YAT	CAUTION LABEL(INVERTER)	NRP	1
K22	DFHE1067ZA	CONDUCTIVE TAPE-10X30	NRP	<u>'</u> 1
K23	DFHR6358ZA	TUBE	INIAF	1
K24 A	DFKM0535ZE-0	LCD FRONT		1
K25	DFHE0893ZA	LID MAGNET	NRP	1
K26	DFGB0131YA-0	PANASONIC BADGE	NRP	1
K27	DFGX0482ZC-0	ANTENNA COVER	14141	1
K28	DFHG2009ZA-0	LCD RUBBER	NRP	2
K29	DFGX0283ZA-1	LCD SCREW SHEET	NRP	5
K30 A	DFKA0062ZC-0	TOP CASE		1
K31	DFHR3G01ZA	KB WATER PROOF B	NRP	1
K32	DFHR3G79ZB	WATER PROOF SC	NRP	1
K33	DFHR3G80ZB	WATER PROOF BT	NRP	1
K34	DFHR3H76ZA	PAD WP SHEET	NRP	1
K35	DFBC0324ZA-0	CLICK BUTTON L		1
K36	DFBC0325ZA-0	CLICK BUTTON R		1
K37	DFHR3H74ZA	PAD BUTTON WP SHEET		2
K38	DFMC0797ZA	EARTH PLATE		1
K39	DFHR6327ZA	PAD HLDER		1
K40	DFMD7B36ZA	TOP RELAY PLATE		1
K41	DFHR3H38ZA	KBD WATER PROOF SHEET A	NRP	3
K42	DFMC0613ZAT	CONDUCTIVE TAPE-10X39	NRP	1
K43	DFHR3H50ZA	FIN DUCT B	NRP	1
K44	DFHR6324ZA	SD LED LENZ		1
K45	DFMC0852ZA	SD EARTH PLATE	\:==	1
K46	DFHR3J91ZA	CUSHION-E	NRP	1
K47	DFHR3J90ZA	CUSHION-D	NRP	2
K48 <u>^</u>	DFKM0534ZC-0	BOTOTM CASE	NDD	1
K49	DFHG2035ZA-0	FOOT RUBBER	NRP	2
K50	DFHG1976ZB-0	LEG		2
K51	DRHM0130ZAT	SCREW (CANCELLED 2007/7/12 BY KAWADA)		2 1
K52	DFBD0178ZA-0	LOCK KNOB(HDD)		<u>1</u> 1
K53 K54	DFBD0196ZA-0 DFHR6331ZC	BATTERY LATCH KNOB		<u>1</u>
K55	DFHR83312C	FIN COVER	NRP	<u></u>
K56	DFHR3H20ZC	WL SHEET LED SHEET	NRP	<u>1</u>
K50 K57	DFUQ0105ZA	LOCK SPRING HDD	1411/1	1
K58	DFMD7B45ZA	HDD LOCK COVER PLATE		<u>'</u> 1
K59	DFUD0043ZB	BATTERY LATCH SPRING		1
K60	DFHG2033ZA	SPACER CUSHION		1
K61	DFHE1064ZA	GASKET-3X3X10	NRP	1
1/01	DI TIL 1004LA	JUMONE I - ONON IU	NICE	

K65         OFHRZG82/ZA         BOTTOM WP GUSHION         NRP           K66         OFHRZG82/ZA         BOTTOM WP GUSHION         NRP           K67         Å         OFKEG550YA-0         PORT TE GOVER           K68         ØPHORD18ZA         SULTTER HOLD PLATE           K68         ØPHORD18ZA         SULTTER HOLD PLATE           K70         ØPHORD18ZA         SULTTER HOLD PLATE           K70         ØPHORD82ZC         KENSINTONG PLATE ASS Y           K71         ØPHORD82ZC         KENSINTONG PLATE ASS Y           K72         ØPHRZJ8ZA         GUSHION B         NRP           K73         ØPHORJ3ZA         GUSHION B         NRP           K73         ØPHRZJ8ZA         GUSHION B         NRP           K73         ØPHRZJ8ZA         GUSHION B         NRP           K74         ØPHRZJ8ZA         GUSHION B         NRP           K75         ØPHORJ3ZA         MST         NRP         NRP           K75         ØPHORJ3ZA         MST         NRP         NRP           K77         ØPHRZB8ZA         MST         NRP         NRP           K78         ØPHRZB0ZA         MST         HERMAL PUBBER         NRP           K81 <t< th=""><th>K62</th><th>DFHR3G78ZA</th><th>FIN DUCT</th><th>NRP</th><th>1</th></t<>	K62	DFHR3G78ZA	FIN DUCT	NRP	1
K65         DFHR3G83ZA         BOTTOM MP QUSHION         NRP           K66         DFM0056ZA         DOTT RE GOVER SPRING           K67         Å DFK60559YA-0         PORT RE GOVER           K68         DFM0136ZA         SHUTTER HDL PLATE           K68         DFM0136ZA         SHUTTER HDL PLATE           K70         DFM00804ZB         INSULATION SHEET POTORE         NRP           K71         DFM00803ZC         KENSINTONG PLATE ASSY         NRP           K71         DFM03083ZC         KENSINTONG PLATE ASSY         NRP           K71         DFM03083ZC         KENSINTONG PLATE ASSY         NRP           K73         DFHR3J8ZA         QUSHICHERMAL SHEET         NRP           K73         DFM04052SA         QUSHICHERMAL SHEET         NRP           K75         DFMX13T7A         INSULATION SHEET VGA         NRP           K75         DFMX13T7A         INSULATION SHEET VGA         NRP           K77         DFHR3F8SZA         MGH THERMAL RUBBER         NRP           K77         DFHR3F8SZA         MGH THERMAL RUBBER         NRP           K81         Å OR2032/S5Z         BATTERY         RRP           K82         DFHM81062A         NRP         RRP	K63	DFMC0895ZA	EARTH PLATE PORTRE		1
K66	K64	DFHE1061ZA	GASKET-6-6-20	NRP	1
K67         ⚠         DFKEGS55YA-O         PORTIE GOVER           K68         DFMX12842B         NSHUTTER HOLD PLATE           K70         DFMX12842B         INSULATION SHEET POTORE         NRP           K70         DFMX2842B         INSULATION SHEET POTORE         NRP           K71         DFM20882C         KENSINTONG PLATE ASSY         NRP           K72         DFM214ZA         DFM214ZA         NRP           K73         DFM214ZA         CUSIGNER         NRP           K73         DFM214ZA         CUSIGNER         NRP           K73         DFM282ZA         CUSIGNER         NRP           K75         DFMX1317ZA         INSULATION SHEET VGA         NRP           K75         OFMX1317ZA         INSULATION SHEET         NRP           K77         OFHR2F98ZA         MCH THERMAL RUBBER         NRP           K77         OFHR2F98ZA         MCH THERMAL RUBBER         NRP           K79         OFHR3C4GAZA         MCH THERMAL RUBBER         NRP           K81         MCROSZ-SSZ         BATTERY         NRP           K82         DFH004H006ZA         HEX SPACER 46         2           K83         DFW3246ZA         NRP HARABACA         NRP HARABACAA	K65	DFHR3G83ZA	BOTTOM WP CUSHION	NRP	1
K68         DPME01382A         SHUTTER HOLD PLATE         NRP           K70         DPM008047B         EARTH PLATE POTTRE         NRP           K70         DPM008047B         EARTH PLATE POTTRE         NRP           K71         DPM008047B         KENDSINTYON PLATE ASSY         NRP           K72         DPHR3.182A         PORTIES SHEET         NRP           K73         DPH8.282A         CUSHION-B         NRP           K74         DPM70283YA         CPU THERMAL SHEET 2         NRP           K73         DPH8.782B2A         CUSHION-B         NRP           K76         DPM70467ZA         VQA THERMAL SHEET 2         NRP           K77         DPHR382B2A         MGH SHEET         NRP           K78         DPH704667ZA         NGH THERMAL RUBBER         NRP           K78         DPHR70466ZA         MGH THERMAL RUBBER         NRP           K80         DPHR8102ZA         JEX SPACER 4         NRP           K81         AD GR203Z/S5Z         BATTERY         NRP           K82         DPH004006ZA         JEX SPACER 4         NRP           K83         DPM70468ZA         JA THERMAL RUBBER         NRP           K84         DPM7048ZA         JA THERMAL RUBBER<	K66	DFUN0056ZA	PORT RE COVER SPRING		2
K69         DFMX1294ZB         INSULATION SHEET POTORE         NRP           K70         DFM02004ZB         EARTH PLATE PORTEE L         H           K71         DFM02098ZC         KENGSINTONG PLATE ASSY         NRP           K72         DFM183L12A         PORTEE SHEET         NRP           K73         DFM183L12A         DFW164DHA         NRP           K74         DFW02054YA         DFW1711ZA         NSULATION SHEET VAA         NRP           K75         DFMX1311ZA         NSULATION SHEET VAA         NRP           K76         DFW0367ZA         JOA THERMAL RUBBER         NRP           K77         DFH83893ZA         MCH SHEET         NRP           K77         DFH783893ZA         MCH SHEET         NRP           K79         DFH780462ZA         MCH THERMAL RUBBER         NRP           K80         DFH7804606ZA         SPACER         NRP           K81         DG CO2022-SSZ         SATEETY         NRP           K82         DFH004H006ZA         HEX SPACER         NRP           K83         DFM79468ZA         VRAM THERMAL RUBBER         NRP           K84         DFH79488ZA         VRAM THERMAL RUBBER         NRP           K83         DFM79113EZA	K67 <u>/</u>	DFKE0555YA-0	PORTRE COVER		2
K70   DPMO09042T   EARTH PLATE PORTRE	K68	DFME0138ZA	SHUTTER HOLD PLATE		1
K71	K69	DFMX1294ZB	INSULATION SHEET POTORE	NRP	1
K71	K70	DFMC0804ZB			1
K73         DFHR3J82A         CUSHION-B         NPP           K74         DFMY0258YA         CPU THERMAL SHEET 2         NRP           K76         DFMY0317ZA         NSULATION SHEET VGA         NRP           K76         DFMY0467ZA         VGA THERMAL RUBBER         NRP           K77         DFHR3F89ZA         NCH SHEET         NRP           K79         DFHR912ZA         HOD GUIDE ASSY         NRP           K80         DFHR3W64ZA         SPACER         NRP           K81         M CR0203C/SSZ         BATTERY         NRP           K82         DFH004H006ZA         LAN THERMAL RUBBER         NRP           K82         DFH004H006ZA         LAN THERMAL SHEET         NRP           K84         DFMY348ZA         VRAM THERMAL SHEET         NRP           K85         DFMX1316ZA         NSULATION SHEET HOD HOLDER         NRP           K86         DFHR346ZA         PROTECTION SHEET         NRP           K87         OFHR626ZA         PROTECTION SHEET         NRP           K88         DFHR636ZA         BAT CON HOLDER         NRP           K89         DFHR626ZA         BAT CON HOLDER         NRP           K89         DFHR626ZA         BAT CON HOLDER		DFMD9098ZC	KENGSINTONG PLATE ASS'Y		1
K74	K72	DFHR3J14ZA	PORTRE SHEET	NRP	1
K75         DFAM/317ZA         NSULATION SHEET VGA         NPP           K76         DFAM/9467ZA         VQA THERMAL RUBBER         NPP           K77         DFHR958ZA         MCH SHEET         NRP           K77         DFHR912ZA         MCH SHEET         NRP           K79         DFHR912ZA         MCD GUIDE ASSY         NPP           K80         DFHR912ZA         HDO GUIDE ASSY         NPP           K81         MCR0202/S5Z         BATTERY         NPP           K82         DFH004H006ZA         HEX SPACER 46         NPP           K83         DFHV0466ZA         LAN THERMAL SHEET         NPP           K84         DFMY348ZA         VRAM THERMAL SHEET         NPP           K85         DFMX1316ZA         NSULATION SHEET HOD HOLDER         NPP           K86         DFHR364ZA         PROTECTION SHEET         NPP           K87         DFMR364ZA         PROTECTION SHEET         NPP           K88         DFHR364SZA         PROTECTION SHEET         NPP           K88         DFHR364SZA         BATT FOR PLATE         NPP           K89         DFMR0782ZA         BATT FOR PLATE         NPP           K89         DFMR0782ZA         BATT FOR PLATE	K73	DFHR3J88ZA	CUSHION-B	NRP	3
K75         DFAM/317ZA         NSULATION SHEET VGA         NPP           K76         DFAM/9467ZA         VQA THERMAL RUBBER         NPP           K77         DFHR958ZA         MCH SHEET         NRP           K77         DFHR912ZA         MCH SHEET         NRP           K79         DFHR912ZA         MCD GUIDE ASSY         NPP           K80         DFHR912ZA         HDO GUIDE ASSY         NPP           K81         MCR0202/S5Z         BATTERY         NPP           K82         DFH004H006ZA         HEX SPACER 46         NPP           K83         DFHV0466ZA         LAN THERMAL SHEET         NPP           K84         DFMY348ZA         VRAM THERMAL SHEET         NPP           K85         DFMX1316ZA         NSULATION SHEET HOD HOLDER         NPP           K86         DFHR364ZA         PROTECTION SHEET         NPP           K87         DFMR364ZA         PROTECTION SHEET         NPP           K88         DFHR364SZA         PROTECTION SHEET         NPP           K88         DFHR364SZA         BATT FOR PLATE         NPP           K89         DFMR0782ZA         BATT FOR PLATE         NPP           K89         DFMR0782ZA         BATT FOR PLATE	K74	DFMY0258YA	CPU THERMAL SHEET 2		2
K76         DFMY04672A         VCA THERMAL RUBBER           K77         DFHR3F82ZA         MCH SHEET         NRP           K78         DFMY0466ZA         MCH THERMAL RUBBER         NRP           K79         DFHR3D12ZZA         HDD GUIDE ASSY         NRP           K80         DFHR3D4ZZA         SPACER         NRP           K81         M. CR2032/S5Z         BATTERY         NRP           K82         DFH004H006ZA         HEX SPACER 46         1           K83         DFMY0468ZA         LAN THERMAL SHEET         NPP           K84         DFMY3248ZA         LAN THERMAL SHEET         NPP           K85         DFMX1315ZA         NSULATION SHEET HDD HOLDER         NRP           K86         DFHR364ZB         PROTECTION SHEET         NRP           K87         DFHR364ZB         PROTECTION SHEET         NRP           K88         DFHR364ZB         PROTECTION SHEET         NRP           K89         DFHR689ZA         BAT CON HOLDER         NRP           K89         DFHR689ZA         BAT CON HOLDER         NRP           K91         DFMX1308ZC         NSULATION SHEET FPC         NRP           K92-1         DFKE0809ZA-0         HANDLE ASSY         NRP		DFMX1317ZA		NRP	1
K77         DFHRSF83ZA         MOH SHEET         NRP           K78         DFHWY0465ZA         MOH THERMAL RUBBER           K79         DFHRSI2ZZA         MOD GUIDE ASSY           K80         DFHRSWAZZA         SPACER         NRP           K81         M. CR203Z/SSZ         BATTERY         NRP           K82         DFH004H006ZA         HEX SPACER 46         2           K83         DFHWY0468ZA         LAN THERMAL RUBBER         9           K84         DFMY348ZA         LAN THERMAL SHEET         NPP           K85         DFMX1316ZA         NSULATION SHEET HOD HOLDER         NPP           K86         DFHR364ZA         NSULATION SHEET         NPP           K87         OFHR364ZA         PROTECTION SHEET         NPP           K88         DFHR364ZB         PWB SPACER         NRP           K89         DFHR364ZB         BATT FOP LATE         NPP           K89         DFHR364SZA         BATT FOP LATE         NPP           K89         DFHR364SZA         BATT FOP LATE         NPP           K90         DFMD78ZZA         BATT FOP LATE         NPP           K92         DFMK2698ZA-0         HANDLE BASE L         NPP           K92-1	K76				1
K78	K77			NRP	1
K79					1
K80         DFHR3K04ZA         SPACER         NRP           K81         Å CR2032/55Z         BATTERY           K82         DPHD04H006ZA         HEX SPACER 46           K83         DFM70485ZA         LAN THERMAL RUBBER           K84         DPFM73248ZA         VRAM THERMAL SHEET         NRP           K85         DFM3136ZA         INSULATION SHEET HOD HOLDER         NRP           K86         DFHR346ZA         PROTECTION SHEET         NRP           K87         DFHR348ZA         PROTECTION SHEET         NRP           K87         DFHR348ZA         PROTECTION SHEET         NRP           K89         DFHR3628ZA         PRO FECTION SHEET         NRP           K89         DFHR3628ZA         PWB SPACER         NRP           K89         DFHR628SZA         BAT TON HOLDER         NRP           K90         DFM7078Z7ZA         BATT FPC PLATE         NRP           K91         DFFK60994ZA-O         GRIP LOWER         NRP           K92-1         ÅD FK60993ZA-O         GRIP LOWER         NRP           K92-2         DFHR628Z3A         HANDLE JOINT         NRP           K92-3         ÅD FK60993ZA-O         HANDLE JOINT         NRP           K92-5					1
K81         ▲ CR2032/S5Z         BATTERY           K82         DFHD04H006ZA         HAX SPACER 46           K83         DPMY0468ZA         LAN THERMAL RUBBER           K84         DPMY0468ZA         LAN THERMAL SHEET         NRP           K85         DPFMX1316ZA         INSULATION SHEET FIDD HOLDER         NRP           K86         DFHR324AZA         PROTECTION SHEET         NRP           K87         DFHR324AZA         PROTECTION SHEET         NRP           K88         DFHR3185ZA         PWB SPACER         NRP           K89         DFHR38485ZA         PWB SPACER         NRP           K89         DFHR31836ZA         PWB SPACER         NRP           K80         DFHR31836ZA         PWB SPACER         NRP           K80         DFHR31836ZA         PWB SPACER         NRP           K80         DFHR31836ZA         PWB SPACER         NRP           K90         DFHR31836ZA         BAT TFPC PLATE         NRP           K92         DFMX13082C         INSULATION SHEET FPC         NRP           K92         DFKE03932A-0         HANDLE ASSY         NRP           K92-1         AD FKE03932A-0         HANDLE RING         NRP           K92-2				NRP	1
K82         DFH004H006ZA         HEX SPACER 46           K83         DFMY0468ZA         LAN THERMAL RUBBER         2           K84         DFMY348ZA         VRAM THERMAL SHEET         NRP           K85         DFMX1316ZA         INSULATION SHEET HDD HOLDER         NRP           K86         DFHRSE47ZB         PROTECTION SHEET         NRP           K87         DFHRSE47ZB         PROTECTION SHEET         NRP           K88         DFHR36287ZA         BAS PACER         NRP           K89         DFHR8289ZA         BAT CON HOLDER         NRP           K89         DFHR928ZA         BATT FPC PLATE         NRP           K91         DFMM1308ZC         INSULATION SHEET FPC         NRP           K92         Å         DFKE0829ZA-0         HANDLE ASSY           K92-1         Å         DFKE0892ZA-0         HANDLE RING         4           K92-2         Å         DFKE0892ZA-0         HANDLE PING         4           K92-3         Å         DFKE0892ZA-0         HANDLE BASE L         4           K92-4         Å         DFKE0992ZA-0         HANDLE BASE L         4           K92-5         DRSB3+8FKLT         SCREW         5           K92-6					1
K83         DFMY0468ZA         LAN THERMAL RUBBER         1           K84         DFMY3248ZA         VRAM THERMAL SHEET         NRP           K85         DFMX1316ZA         INSULATION SHEET HDD HOLDER         NRP           K86         DFHRSE46ZA         PROTECTION SHEET         NRP           K87         DFHRSH3BSZA         PRO FORTCHION SHEET         NRP           K88         DFHR3H8SZA         PWB SPACER         NRP           K89         DFHR6289ZA         BAT CON HOLDER         NRP           K90         DFMM7827ZA         BATT FPC PLATE         NRP           K90         DFMM7827ZA         BATT FPC PLATE         NRP           K91         DFMM7827ZA         BATT FPC PLATE         NRP           K92         DFMM7827ZA         BATT FPC PLATE         NRP           K92         DFMM78308ZC         INSULATION SHEET FPC         NRP           K92         DFM781308ZA-O         HANDLE BASE         NRP           K92-1         DFK60892ZA-O         GRIP LOWER         ADFK6082ZA-O         HANDLE BASE L           K92-3         DFK60892ZA-O         HANDLE BASE L         SCREW         SCREW           K92-6         DFK6082ZA-O         HANDLE BASE L         SCREW         SCR					2
K84         DFMY3248ZA         VRAM THERMAL SHEET         NRP           K85         DFMX1316ZA         INSULATION SHEET HDD HOLDER         NRP           K86         DFHR3646ZA         PROTECTION SHEET         NRP           K87         DFHR364SZA         PROTECTION SHEET         NRP           K88         DFHR365ZA         PWB SPACER         NRP           K89         DFHR3628ZA         BAT CON HOLDER         NRP           K91         DFMX1308ZC         INSULATION SHEET FPC         NRP           K91         DFMX1308ZC         INSULATION SHEET FPC         NRP           K92-1         Å DFKE0982ZA-0         GRIP LOWER         NRP           K92-1         Å DFKE0982ZA-0         HANDLE RING         AND FRED           K92-2         DFHR6223ZA         HANDLE SING         AND FRED           K92-3         Å DFKE0989ZA-0         GRIP UPPER         AND FRED           K92-4         Å DFKE098ZA-0         HANDLE BASE L         AND FRED           K92-6         Å DFKE098ZA-0         HANDLE BASE L         AND FRED           K92-7         Å DFKE0905ZA-0         HANDLE BASE R         AND FRED           K92-8         DFHR6330ZA         HANDLE BASE R         AND FRED           K92					2
K85         DFMX1316ZA         INSULATION SHEET HDD HOLDER         NRP           K86         DFHR3246ZA         PROTECTION SHEET         NRP           K87         DFHR3247ZB         PROTECTION SHEET         NRP           K88         DFHR385ZA         PWB SPACER         NRP           K89         DFHR385ZA         PWB SPACER         NRP           K90         DFM77827ZA         BATT FPO PLATE         NRP           K91         DFMX1308ZC         INSULATION SHEET FPC         NRP           K92         ÅD DFKE0082PA-0         GRIP LOWER         NRP           K92-1         ÅD DFKE0082PA-0         GRIP LOWER         PR           K92-3         ÅD DFKE0082PA-0         GRIP LOWER         PR           K92-3         ÅD DFKE0082PA-0         GRIP LOWER         PR           K92-4         ÅD DFKE0082PA-0         GRIP LOWER         PR           K92-5         DRSB3+8FALT         SCREW         PR           K92-6         ÅD DFKE0082PA-0         HANDLE BASE L         PR           K92-7         ÅD DFKE0082PA-0         HANDLE BASE L         PR           K92-8         DFHR8330CA         HANDLE BASE R         PR           K92-8         DFHR8330CA         HANDLE BAS				NRP	1
K86         DFHR3E46ZA         PROTECTION SHEET         NRP           K87         DFHR3E47ZB         PROTECTION SHEET         NRP           K88         DFHR3E4ZB         PROTECTION SHEET         NRP           K89         DFHR6282ZA         BAT CON HOLDER         NRP           K90         DFM71308ZC         INSULATION SHEET FPC         NRP           K91         DFM71308ZC         INSULATION SHEET FPC         NRP           K92         Å DFK69392ZA-0         HANDLE ASS'Y           K92-1         Å DFK69392ZA-0         HANDLE RING         A           K92-2         DFHR6223ZA         HANDLE RING         A           K92-3         Å DFKE0898ZA-0         HANDLE BORT         A           K92-4         Å DFKE0898ZA-0         HANDLE BASE         A           K92-5         DRSB3*BFKLT         SCREW         A           K92-6         Å DFKE0995ZA-0         HANDLE BASE R         A           K92-7         Å DFKE0995ZA-0         HANDLE BASE R         A           K92-8         DFHR6330ZA         HANDLE SPACER         NRP           K93-9         DFHR930ZA         FAN CASE ASS'Y         A           K93-1         DFM7924ZA         FAN CASE PLATE         A					1
K87         DFHR3E47ZB         PROTECTION SHEET         NRP           K88         DFHR3H85ZA         PWB SPACER         NRP           K89         DFHR6289ZA         BAT CON HOLDER         NRP           K90         DFMD7B27ZA         BATT FPC PLATE         NRP           K91         DFMX1303ZC         INSULATION SHEET FPC         NRP           K92         Å DFKE0829ZA-0         HANDLE ASS'Y         NRP           K92-1         Å DFKE0829ZA-0         GRIP LOWER         4           K92-2         DFHR6223ZA         HANDLE JOINT         2           K92-3         Å DFKE0828ZA-0         HANDLE JOINT         2           K92-4         Å DFKE0892ZA-0         HANDLE JOINT         2           K92-5         DRSB3+6FKLT         SCREW         2           K92-6         Å DFKE0904ZA-0         HANDLE BASE R         2           K92-7         Å DFKE0905ZA-0         HANDLE BASE R         3           K92-8         DFHR6330ZA         HANDLE BASE R         3           K93-9         DFHR3J00ZA         HANDLE BASE R         4           K93-1         DFMY3244ZA         FAN CASE         8           K93-1         DFMY3244ZA         FAN CASE         8					1
K88         DFHR3H85ZA         PWB SPACER         NRP           K89         DFHR6289ZA         BAT CON HOLDER           K90         DFMD7B27ZA         BATT FPC PLATE           K91         DFMD7B27ZA         BATT FPC PLATE           K92         ▲ DFKE9094ZA-0         HANDLE ASSYY           K92-1         ▲ DFKE9094ZA-0         HANDLE ASSYY           K92-1         ▲ DFKE9094ZA-0         HANDLE GING           K92-2         DFHR6223ZA         HANDLE JOINT           K92-3         ▲ DFKE9099ZA-0         HANDLE JOINT           K92-4         ▲ DFKE9099ZA-0         HANDLE JOINT           K92-5         DRS83+8FKLT         SCREW           K92-5         DRS83+8FKLT         SCREW           K92-7         ▲ DFKE9905ZA-0         HANDLE BASE R           K92-9         DFHR6330ZA         HANDLE BASE R           K92-9         DFHR300ZA         HANDLE SPACER         NRP           K93         DFMY9035ZA         FAN CASE         NRP           K93-1         DFMY3244ZA         FAN CASE         NRP           K93-2         DFMY3244ZA         FAN CASE         NRP           K93-3         DXSB2+4FNLT         SCREW         NRP           K93-4 <td></td> <td></td> <td></td> <td></td> <td>1</td>					1
K89         DFHR6289ZA         BAT CON HOLDER           K90         DFM07827ZA         BATT FPC PLATE           K91         DFMX1080ZC         INSULATION SHEET FPC         NRP           K92         ⚠         DFKE9094ZA-0         HANDLE ASS'Y           K92-1         ⚠         DFKE6829ZA-0         GRIP LOWER           K92-2         DFHR6232AA         HANDLE RING         4           K92-3         ⚠         DFKE0899ZA-0         HANDLE JOINT         4           K92-4         ⚠         DFKE0898ZA-0         GRIP UPPER         4           K92-5         DRS83+8FKLT         SCREW         2           K92-6         ⚠         DFKE0905ZA-0         HANDLE BASE L         4           K92-7         ▲         DFKE0905ZA-0         HANDLE BASE R         4           K92-8         DFHR8300ZA         HANDLE BASE R         NRP           K92-9         DFHR3J00ZA         HANDLE SPACER         NRP           K93         DFMY9324ZA         FAN CASE ASS'Y           K93-1         DFMY9324ZA         FAN CASE ASS'Y           K93-2         DFMY9324ZA         FAN CASE PLATE           K93-3         DXSB2+4FNLT         SCREW           K93-4         U					4
K90         DFMD7B27ZA         BATT FPC PLATE           K91         DFMM13082C         INSULATION SHEET FPC         NRP           K92         ▲ DFKE9042A-0         HANDLE ASSY         NRP           K92-1         ▲ DFKE9042A-0         GRIP LOWER         PRE0829ZA-0           K92-2         DFHR623ZA         HANDLE RING         4           K92-3         ▲ DFKE0898ZA-0         HANDLE JOINT         2           K92-4         ▲ DFKE0898ZA-0         GRIP UPPER         2           K92-5         DRSB3+8FKLT         SCREW         2           K92-6         ▲ DFKE0905ZA-0         HANDLE BASE L         4           K92-7         ▲ DFKE0905ZA-0         HANDLE POM         5           K92-8         DFHR3300ZA         HANDLE POM         5           K92-9         DFHR3J00ZA         HANDLE SPACER         NRP           K93-1         DFMY9035ZA         FAN CASE ASSY         8           K93-1         DFMY3245ZA         FAN CASE PLATE         8           K93-2         DFMY3244ZA         FAN CASE PLATE         6           K93-4         UDGP2ZH3T         FAN         6           K93-4         UDGP2ZH3T         SCREW         6           K94<				INIT	1
K91         DFMX1308ZC         INSULATION SHEET FPC         NRP           K92         △ DFKE9094ZA-0         GRIP LOWER           K92-1         △ DFKE909ZA-0         GRIP LOWER           K92-2         DFHR6223ZA         HANDLE RING           K92-3         △ DFKE0899ZA-0         GRIP LOPER           K92-4         △ DFKE089ZA-0         GRIP UPPER           K92-5         DRSB3+8FKLT         SCREW           K92-5         △ DFKE0904ZA-0         HANDLE BASE L           K92-6         △ DFKE0904ZA-0         HANDLE BASE R           K92-7         △ DFKE0905ZA-0         HANDLE BASE R           K92-9         DFHR6330ZA         HANDLE POM           K92-9         DFHR6330ZA         HANDLE SPACER         NRP           K93         DFMY9035ZA         FAN CASE ASSY           K93-1         DFMY3244ZA         FAN CASE ASSY           K93-2         DFMY3244ZA         FAN CASE PLATE           K93-3         DXSB2+4FNLT         SCREW           K93-4         UDGF2ZH37         FAN           K93-4         UDGF2ZH37         FAN           K94         DFHE108ZYA         GASKET-65TSV10-5-10         NRP           K95         DFH601728YAT         GASKET-65T					1
K92         ⚠         DFKE9094ZA-0         HANDLE ASS'Y           K92-1         ⚠         DFKE0829ZA-0         GRIP LOWER           K92-3         ⚠         DFKE0829ZA-0         HANDLE JRING           K92-3         ♠         DFKE089ZA-0         HANDLE JOINT           K92-4         ♠         DFKE089ZA-0         GRIP UPPER           K92-5         DRSB3+SFKLT         SCREW				NDD	1
K92-1         ⚠         DFKE0829ZA-0         GRIP LOWER           K92-2         DFHR6223ZA         HANDLE RING         4           K92-3         ⚠         DFKE0889ZA-0         GRIP UPPER           K92-4         ⚠         DFKE0828ZA-0         GRIP UPPER           K92-5         DRSB3*8FKLT         SCREW           K92-6         ⚠         DFKE0905ZA-0         HANDLE BASE L           K92-7         ⚠         DFKE0905ZA-0         HANDLE BASE R           K92-8         DFHR6330ZA         HANDLE POM         2           K92-9         DFHR330ZA         HANDLE SPACER         NRP           K93         DFMY9035ZA         FAN CASE ASS'Y         NRP           K93-1         DFMY324ZA         FAN CASE         FAN CASE           K93-2         DFMY324ZA         FAN CASE PLATE         3           K93-3         DXSB2+4FNLT         SCREW         3           K93-4         UDGF2ZH37         FAN         3           K94         DFHE1067ZA         CONDUCTIVE TAPE-10X30         NRP           K95         DFHE0178ZA         CONDUCTIVE TAPE-10X30         NRP           K96         DFME0157ZC         HINGE SUPPORT R         NRP           K97				INIT	1
K92-2         DFHR6232ZA         HANDLE RING           K92-3         △ DFKE0899ZA-0         HANDLE JOINT           K92-4         △ DFKE0899ZA-0         GRIP UPPER           K92-5         DRSB3+8FKLT         SCREW           K92-6         △ DFKE0904ZA-0         HANDLE BASE L           K92-7         △ DFKE0905ZA-0         HANDLE BASE R           K92-8         DFHR6330ZA         HANDLE POM           K92-9         DFHR3J00ZA         HANDLE SPACER           K93         DFMY9035ZA         FAN CASE           K93-1         DFMY9035ZA         FAN CASE           K93-1         DFMY3245ZA         FAN CASE           K93-2         DFMY93245ZA         FAN CASE PLATE           K93-3         DXSB2+4FNLT         SCREW           K93-4         UDQF2ZH37         FAN           K93-5         DFHE5122YA         SCREW           K94         DFHE1067ZA         CONDUCTIVE TAPE-10X30         NRP           K95         DFHE6128YAT         GASKET-65TSV10-5-10         NRP           K96         DFME0157ZC         HINGE SUPPORT R         NRP           K97         DFHE1054ZB         GASKET-65TSV6-6-12         NRP           K98         DFHG1978ZA         <					1
K92-3         ⚠         DFKE0899ZA-0         HANDLE JOINT         2           K92-4         ⚠         DFKE0828ZA-0         GRIP UPPER         3           K92-5         DRSB3+8FKLT         SCREW         2           K92-6         ⚠         DFKE0904ZA-0         HANDLE BASE L         3           K92-7         ⚠         DFKE0905ZA-0         HANDLE BASE R         3           K92-8         DFHR6330ZA         HANDLE SPACER         NRP           K93         DFM79035ZA         HANDLE SPACER         NRP           K93-1         DFM79244ZA         FAN CASE         5           K93-2         DFM73245ZA         FAN CASE PLATE         5           K93-3         DXSB2+4FNLT         SCREW         3           K93-4         UDGF2ZH37         FAN         5           K94-4         UDGF2ZH37         FAN         5           K95-5         DFHE5122YA         SCREW         3           K95         DFHE0167ZA         CONDUCTIVE TAPE-10X30         NRP           K95         DFHE0167ZA         CONDUCTIVE TAPE-10X30         NRP           K95         DFHE51067ZA         CONDUCTIVE TAPE-10X30         NRP           K95         DFHE51067ZA	_	-	<del>i</del>		1 4
K92-4         △ DFKE0828ZA-0         GRIP UPPER           K92-5         DRSB3+8FKLT         SCREW           K92-6         △ DFKE0904ZA-0         HANDLE BASE L           K92-7         △ DFKE0905ZA-0         HANDLE BASE R           K92-8         DFHR6330ZA         HANDLE POM           K92-9         DFHR3J00ZA         HANDLE SPACER         NRP           K93         DFMY9035ZA         FAN CASE ASS'Y           K93-1         DFMY3244ZA         FAN CASE           K93-2         DFMY3245ZA         FAN CASE PLATE           K93-3         DXSB2+4FNLT         SCREW           K93-4         UDQF2ZH37         FAN           K93-5         DFHE5122YA         SCREW           K94         DFHE1067ZA         CONDUCTIVE TAPE-10X30         NRP           K95         DFHE0128YAT         GASKET-65TSV10-5-10         NRP           K96         DFME0157ZC         HINGE SUPPORT R         NRP           K97         DFHE1054ZB         GASKET-65TSV6-6-12         NRP           K98         DFHG1978ZA         SPEAKER RUBBER         PR           K99         DFHR63192B         SPEAKER HOLDER         NRP           K100         DFHR83795ZA         BT SHEET         N					
K92-5         DRSB3+8FKLT         SCREW           K92-6         ⚠ DFKE0904ZA-0         HANDLE BASE L           K92-7         ⚠ DFKE0905ZA-0         HANDLE BASE R           K92-8         DFHR8330ZA         HANDLE POM           K92-9         DFHR8330ZA         HANDLE SPACER         NRP           K93         DFMY93244ZA         FAN CASE ASS'Y           K93-1         DFMY93244ZA         FAN CASE PLATE           K93-2         DFMY3244ZA         FAN CASE PLATE           K93-3         DXSB2+4FNLT         SCREW           K93-4         UDGF2ZH37         FAN           K93-5         DFHE5122YA         SCREW           K94         DFHE0128YAT         GASKET-65TSV10-5-10         NRP           K96         DFME0157ZC         HINGE SUPPORT R           K97         DFHE1054ZB         GASKET-65TSV6-6-12         NRP           K98         DFHG1978ZA         SPEAKER RUBBER         1           K99         DFHR6319ZB         SPEAKER HOLDER         NRP           K100         DFKW0001ZB         DG JACK COVER         NRP           K101         DFHR3J79ZA         BT SHEET         NRP           K103         DFHR63193ZA         SPACER         NRP					2
K92-6         ⚠ DFKE0904ZA-0         HANDLE BASE R           K92-7         ⚠ DFKE0905ZA-0         HANDLE BASE R           K92-8         DFHR6330ZA         HANDLE POM           K92-9         DFHR3J00ZA         HANDLE SPACER         NRP           K93         DFMY9035ZA         FAN CASE ASS'Y           K93-1         DFMY3244ZA         FAN CASE           K93-2         DFMY3245ZA         FAN CASE PLATE           K93-3         DXSB2+4FNLT         SCREW           K93-4         UDGF2ZH37         FAN           K93-5         DFHE5122YA         SCREW           K94         DFHE1067ZA         CONDUCTIVE TAPE-10X30         NRP           K95         DFHE0128YAT         GASKET-65TSV10-5-10         NRP           K96         DFME0157ZC         HINGE SUPPORT R         NRP           K97         DFHE1054ZB         GASKET-65TSV6-6-12         NRP           K98         DFHR6319ZB         SPEAKER RUBBER         2           K99         DFHR6319ZB         SPEAKER RUBBER         2           K100         DFKW0001ZB         DC JACK COVER         NRP           K101         DFHR3J92A         BT SHEET         NRP           K102         DFHR3J65ZA		-			1
K92-7         ⚠ DFKE0905ZA-0         HANDLE BASE R           K92-8         DFHR6330ZA         HANDLE POM           K92-9         DFHR6330ZA         HANDLE SPACER         NRP           K93         DFMY9035ZA         FAN CASE ASS'Y           K93-1         DFMY9244ZA         FAN CASE           K93-2         DFMY3245ZA         FAN CASE           K93-3         DXSB2+4FNLT         SCREW           K93-4         UDGF2ZH37         FAN           K93-5         DFHE5122YA         SCREW           K94         DFHE1067ZA         CONDUCTIVE TAPE-10X30         NRP           K95         DFHE0157ZC         HINGE SUPPORT R         NRP           K96         DFME0157ZC         HINGE SUPPORT R         NRP           K97         DFHE1054ZB         GASKET-65TSV6-6-12         NRP           K98         DFHR61978ZA         SPEAKER RUBBER         PARP           K100         DFKW0001ZB         DC JACK COVER         NRP           K101         DFHR3193ZA         SPEAKER HOLDER         NRP           K102         DFHR3305ZA         SPACER         NRP           K103         DFME0156ZD         HINGE SUPPROT L         NRP           K104         DFHR3J					2
K92-8         DFHR6330ZA         HANDLE POM         2           K92-9         DFHR3J00ZA         HANDLE SPACER         NRP           K93         DFMY9035ZA         FAN CASE ASS'Y         NRP           K93-1         DFMY3244ZA         FAN CASE ASS'Y         PAN CASE ASS'Y           K93-2         DFMY3245ZA         FAN CASE PLATE         PAN CASE PLATE           K93-3         DXSB2+4FNLT         SCREW         SCREW           K93-4         UDGF2ZH37         FAN         NRP           K93-5         DFHE5122YA         SCREW         SCREW           K94         DFHE1067ZA         CONDUCTIVE TAPE-10X30         NRP           K95         DFHE0128YAT         GASKET-65TSV10-5-10         NRP           K96         DFME0157ZC         HINGE SUPPORT R         NRP           K97         DFHE1054ZB         GASKET-65TSV16-6-12         NRP           K98         DFHG1978ZA         SPEAKER RUBBER         2           K99         DFHR6319ZB         SPEAKER HOLDER         3           K100         DFKW0001ZB         DC JACK COVER         NRP           K102         DFHR3A052A         SPACER         NRP           K103         DFME0156ZD         HINGE SUPPROT L					1
K92-9         DFHR3J00ZA         HANDLE SPACER         NRP         2           K93         DFMY9035ZA         FAN CASE ASS'Y         FAN CASE         FAN CASE PLATE         FAN CASE PLATE					1
K93         DFMY9035ZA         FAN CASE ASS'Y           K93-1         DFMY3244ZA         FAN CASE           K93-2         DFMY3245ZA         FAN CASE PLATE           K93-3         DXSB2+4FNLT         SCREW           K93-4         UDQF2ZH37         FAN           K93-5         DFHE5122YA         SCREW           K94         DFHE1067ZA         CONDUCTIVE TAPE-10X30         NRP           K95         DFHE0128YAT         GASKET-65TSV10-5-10         NRP           K96         DFME0157ZC         HINGE SUPPORT R         NRP           K97         DFHE1054ZB         GASKET-65TSV6-6-12         NRP           K98         DFHG1978ZA         SPEAKER RUBBER         2           K99         DFHR6319ZB         SPEAKER HOLDER         NRP           K100         DFKW0001ZB         DC JACK COVER         NRP           K101         DFHR3J97ZA         BT SHEET         NRP           K102         DFHR3K05ZA         SPACER         NRP           K103         DFME0156ZD         HINGE SUPPROT L         NRP           K104         DFHR3J83ZA         MP HOLD SHEET-2         NRP           K105         DFHR3J66ZB         MP SPACER         NRP				NDD	2
K93-1         DFMY3244ZA         FAN CASE           K93-2         DFMY3245ZA         FAN CASE PLATE           K93-3         DXSB2+4FNLT         SCREW           K93-4         UDQF2ZH37         FAN           K93-5         DFHE5122YA         SCREW           K94         DFHE1067ZA         CONDUCTIVE TAPE-10X30         NRP           K95         DFHE0128YAT         GASKET-65TSV10-5-10         NRP           K96         DFME0157ZC         HINGE SUPPORT R         NRP           K97         DFHE1054ZB         GASKET-65TSV6-6-12         NRP           K98         DFHG1978ZA         SPEAKER RUBBER         2           K99         DFHR6319ZB         SPEAKER HOLDER         NRP           K100         DFKW0001ZB         DC JACK COVER         NRP           K101         DFHR3J79ZA         BT SHEET         NRP           K102         DFHR3K05ZA         SPACER         NRP           K103         DFME0156ZD         HINGE SUPPROT L         NRP           K104         DFHR3J83ZA         MP HOLD SHEET-2         NRP           K105         DFHR3J66ZB         MP SPACER         NRP           K106         DFHR3J66ZA         SHEET-2         NRP <td></td> <td></td> <td></td> <td>NRP</td> <td></td>				NRP	
K93-2         DFMY3245ZA         FAN CASE PLATE           K93-3         DXSB2+4FNLT         SCREW           K93-4         UDQF2ZH37         FAN           K93-5         DFHE5122YA         SCREW           K94         DFHE1067ZA         CONDUCTIVE TAPE-10X30         NRP           K95         DFHE0128YAT         GASKET-65TSV10-5-10         NRP           K96         DFME0157ZC         HINGE SUPPORT R         NRP           K97         DFHE1054ZB         GASKET-65TSV6-6-12         NRP           K98         DFHG319ZB         SPEAKER RUBBER         2           K99         DFHR6319ZB         SPEAKER HOLDER         1           K100         DFKW0001ZB         DC JACK COVER         1           K101         DFHR3J79ZA         BT SHEET         NRP           K102         DFHR3K05ZA         SPACER         NRP           K103         DFMC0156ZD         HINGE SUPPROT L         NRP           K104         DFHR3J83ZA         MP HOLD SHEET-2         NRP           K105         DFHR3J66ZB         MP SPACER         NRP           K106         DFHR3J92ZA         SHEET-2         NRP           K107         DFMD7B29ZC         HDD HOLD PLATE					1
K93-3         DXSB2+4FNLT         SCREW           K93-4         UDQF2ZH37         FAN           K93-5         DFHE5122YA         SCREW           K94         DFHE1067ZA         CONDUCTIVE TAPE-10X30         NRP           K95         DFHE0128YAT         GASKET-65TSV10-5-10         NRP           K96         DFME0157ZC         HINGE SUPPORT R         NRP           K97         DFHE1054ZB         GASKET-65TSV6-6-12         NRP           K98         DFHG1978ZA         SPEAKER RUBBER         2           K99         DFHR6319ZB         SPEAKER HOLDER         1           K100         DFKW0001ZB         DC JACK COVER         1           K101         DFHR3J79ZA         BT SHEET         NRP           K102         DFHR3K05ZA         SPACER         NRP           K103         DFME0156ZD         HINGE SUPPROT L         1           K104         DFHR3J83ZA         MP HOLD SHEET-2         NRP           K105         DFHR3J66ZB         MP SPACER         NRP           K106         DFHR3J92ZA         SHEET-2         NRP           K107         DFMD7B29ZC         HDD HOLD PLATE         NRP           K109         DFHR3J69ZA         HDD SHEET					1
K93-4         UDQF2ZH37         FAN           K93-5         DFHE5122YA         SCREW           K94         DFHE1067ZA         CONDUCTIVE TAPE-10X30         NRP           K95         DFHE0128YAT         GASKET-65TSV10-5-10         NRP           K96         DFME0157ZC         HINGE SUPPORT R         NRP           K97         DFHE1054ZB         GASKET-65TSV6-6-12         NRP           K98         DFHG1978ZA         SPEAKER RUBBER         2           K99         DFHR6319ZB         SPEAKER HOLDER         1           K100         DFKW0001ZB         DC JACK COVER         1           K101         DFHR3J79ZA         BT SHEET         NRP           K102         DFHR3K05ZA         SPACER         NRP           K103         DFME0156ZD         HINGE SUPPROT L         1           K104         DFHR3J83ZA         MP HOLD SHEET-2         NRP           K105         DFHR3J92ZA         SHEET-2         NRP           K106         DFHR3J92ZA         SHEET-2         NRP           K107         DFMD7B29ZC         HDD HOLD PLATE         NRP           K108         DFHR3J69ZA         HDD SHEET B         NRP           K109         DFHR3J69ZA <td></td> <td></td> <td></td> <td></td> <td>1</td>					1
K93-5         DFHE5122YA         SCREW           K94         DFHE1067ZA         CONDUCTIVE TAPE-10X30         NRP           K95         DFHE0128YAT         GASKET-65TSV10-5-10         NRP           K96         DFME0157ZC         HINGE SUPPORT R         NRP           K97         DFHE1054ZB         GASKET-65TSV6-6-12         NRP           K98         DFHG1978ZA         SPEAKER RUBBER         2           K99         DFHR6319ZB         SPEAKER RUBBER         2           K100         DFKW0001ZB         DC JACK COVER         1           K101         DFHR3J79ZA         BT SHEET         NRP           K102         DFHR3K05ZA         SPACER         NRP           K103         DFME0156ZD         HINGE SUPPROT L         1           K104         DFHR3J83ZA         MP HOLD SHEET-2         NRP           K105         DFHR3J92ZA         SHEET-2         NRP           K106         DFHR3J92ZA         SHEET-2         NRP           K107         DFMD7B29ZC         HDD HOLD PLATE         NRP           K108         DFHR3J69ZA         HDD PROTECT SHEET         NRP           K100         DFM3J69ZA         HDD PROTECT SHEET         NRP					3
K94         DFHE1067ZA         CONDUCTIVE TAPE-10X30         NRP           K95         DFHE0128YAT         GASKET-65TSV10-5-10         NRP           K96         DFME0157ZC         HINGE SUPPORT R         NRP           K97         DFHE1054ZB         GASKET-65TSV6-6-12         NRP           K98         DFHG1978ZA         SPEAKER RUBBER         2           K99         DFHR6319ZB         SPEAKER HOLDER         1           K100         DFKW0001ZB         DC JACK COVER         NRP           K101         DFHR3J79ZA         BT SHEET         NRP           K102         DFHR3K05ZA         SPACER         NRP           K103         DFME0156ZD         HINGE SUPPROT L         NRP           K104         DFHR3J83ZA         MP HOLD SHEET-2         NRP           K105         DFHR3J66ZB         MP SPACER         NRP           K106         DFHR3J92ZA         SHEET-2         NRP           K107         DFMD7B29ZC         HDD HOLD PLATE         NRP           K108         DFHR3H88ZA         HDD SHEET B         NRP           K109         DFHR3J69ZA         HDD PROTECT SHEET         NRP           K110         DFMD7B28ZB-0         DIMM COVER         NRP					1
K95         DFHE0128YAT         GASKET-65TSV10-5-10         NRP           K96         DFME0157ZC         HINGE SUPPORT R         NRP           K97         DFHE1054ZB         GASKET-65TSV6-6-12         NRP           K98         DFHG1978ZA         SPEAKER RUBBER         2           K99         DFHR6319ZB         SPEAKER HOLDER         1           K100         DFKW0001ZB         DC JACK COVER         1           K101         DFHR3J79ZA         BT SHEET         NRP           K102         DFHR3K05ZA         SPACER         NRP           K103         DFME0156ZD         HINGE SUPPROT L         NRP           K104         DFHR3J83ZA         MP HOLD SHEET-2         NRP           K105         DFHR3J66ZB         MP SPACER         NRP           K106         DFHR3J92ZA         SHEET-2         NRP           K107         DFMD7B29ZC         HDD HOLD PLATE         NRP           K108         DFHR3H88ZA         HDD SHEET B         NRP           K109         DFHR3J69ZA         HDD PROTECT SHEET         NRP           K110         DFMD7B28ZB-0         DIMM COVER           K111         DFMD7B32ZB-0         ROBSON COVER				NDD	3
K96         DFME0157ZC         HINGE SUPPORT R           K97         DFHE1054ZB         GASKET-65TSV6-6-12         NRP           K98         DFHG1978ZA         SPEAKER RUBBER         2           K99         DFHR6319ZB         SPEAKER HOLDER         3           K100         DFKW0001ZB         DC JACK COVER         3           K101         DFHR3J79ZA         BT SHEET         NRP           K102         DFHR3K05ZA         SPACER         NRP           K103         DFME0156ZD         HINGE SUPPROT L         3           K104         DFHR3J83ZA         MP HOLD SHEET-2         NRP         4           K105         DFHR3J66ZB         MP SPACER         NRP         4           K106         DFHR3J92ZA         SHEET-2         NRP         4           K107         DFMD7B29ZC         HDD HOLD PLATE         1         1           K108         DFHR3J69ZA         HDD SHEET B         NRP         1           K109         DFHR3J69ZA         HDD PROTECT SHEET         NRP         1           K110         DFMD7B28ZB-0         DIMM COVER         1         1           K111         DFMD7B32ZB-0         ROBSON COVER         1         1  <					1
K97         DFHE1054ZB         GASKET-65TSV6-6-12         NRP           K98         DFHG1978ZA         SPEAKER RUBBER         2           K99         DFHR6319ZB         SPEAKER HOLDER         3           K100         DFKW0001ZB         DC JACK COVER         4           K101         DFHR3J79ZA         BT SHEET         NRP           K102         DFHR3K05ZA         SPACER         NRP           K103         DFME0156ZD         HINGE SUPPROT L         4           K104         DFHR3J83ZA         MP HOLD SHEET-2         NRP         2           K105         DFHR3J66ZB         MP SPACER         NRP         2           K106         DFHR3J92ZA         SHEET-2         NRP         1           K107         DFMD7B29ZC         HDD HOLD PLATE         1           K108         DFHR3H88ZA         HDD SHEET B         NRP         1           K109         DFHR3J69ZA         HDD PROTECT SHEET         NRP         1           K110         DFMD7B28ZB-0         DIMM COVER         1           K111         DFMX1288ZB         INSULATION SHEET DIMM         NRP           K112         DFMD7B32ZB-0         ROBSON COVER         1				NKP	1
K98         DFHG1978ZA         SPEAKER RUBBER         2           K99         DFHR6319ZB         SPEAKER HOLDER         1           K100         DFKW0001ZB         DC JACK COVER         1           K101         DFHR3J79ZA         BT SHEET         NRP           K102         DFHR3K05ZA         SPACER         NRP           K103         DFME0156ZD         HINGE SUPPROT L         1           K104         DFHR3J83ZA         MP HOLD SHEET-2         NRP         2           K105         DFHR3J66ZB         MP SPACER         NRP         2           K106         DFHR3J92ZA         SHEET-2         NRP         1           K107         DFMD7B29ZC         HDD HOLD PLATE         1           K108         DFHR3J69ZA         HDD SHEET B         NRP           K109         DFHR3J69ZA         HDD PROTECT SHEET         NRP           K110         DFMD7B28ZB-0         DIMM COVER         1           K111         DFMX1288ZB         INSULATION SHEET DIMM         NRP           K112         DFMD7B32ZB-0         ROBSON COVER         1				NDD	1
K99         DFHR6319ZB         SPEAKER HOLDER           K100         DFKW0001ZB         DC JACK COVER           K101         DFHR3J79ZA         BT SHEET         NRP           K102         DFHR3K05ZA         SPACER         NRP           K103         DFME0156ZD         HINGE SUPPROT L         1           K104         DFHR3J83ZA         MP HOLD SHEET-2         NRP         2           K105         DFHR3J66ZB         MP SPACER         NRP         2           K106         DFHR3J92ZA         SHEET-2         NRP         1           K107         DFMD7B29ZC         HDD HOLD PLATE         1           K108         DFHR3H88ZA         HDD SHEET B         NRP           K109         DFHR3J69ZA         HDD PROTECT SHEET         NRP           K110         DFMD7B28ZB-0         DIMM COVER         1           K111         DFMX1288ZB         INSULATION SHEET DIMM         NRP           K112         DFMD7B32ZB-0         ROBSON COVER         1				NKP	1
K100         DFKW0001ZB         DC JACK COVER           K101         DFHR3J79ZA         BT SHEET         NRP           K102         DFHR3K05ZA         SPACER         NRP           K103         DFME0156ZD         HINGE SUPPROT L         TRP           K104         DFHR3J83ZA         MP HOLD SHEET-2         NRP           K105         DFHR3J66ZB         MP SPACER         NRP           K106         DFHR3J92ZA         SHEET-2         NRP           K107         DFMD7B29ZC         HDD HOLD PLATE         TRP           K108         DFHR3H88ZA         HDD SHEET B         NRP           K109         DFHR3J69ZA         HDD PROTECT SHEET         NRP           K110         DFMD7B28ZB-0         DIMM COVER         TRP           K111         DFMX1288ZB         INSULATION SHEET DIMM         NRP           K112         DFMD7B32ZB-0         ROBSON COVER         TOMM					2
K101         DFHR3J79ZA         BT SHEET         NRP           K102         DFHR3K05ZA         SPACER         NRP           K103         DFME0156ZD         HINGE SUPPROT L         Image: SUPPROT L           K104         DFHR3J83ZA         MP HOLD SHEET-2         NRP           K105         DFHR3J66ZB         MP SPACER         NRP           K106         DFHR3J92ZA         SHEET-2         NRP           K107         DFMD7B29ZC         HDD HOLD PLATE         Image: HDD SHEET B         NRP           K108         DFHR3H88ZA         HDD SHEET B         NRP         Image: NRP           K109         DFHR3J69ZA         HDD PROTECT SHEET         NRP         Image: NRP         Image: NRP           K110         DFMD7B28ZB-0         DIMM COVER         Image: NRP         Image: NRP         Image: NRP           K111         DFMX1288ZB         INSULATION SHEET DIMM         NRP         Image: NRP           K112         DFMD7B32ZB-0         ROBSON COVER         Image: NRP         Image: NRP					1
K102         DFHR3K05ZA         SPACER         NRP           K103         DFME0156ZD         HINGE SUPPROT L         1           K104         DFHR3J83ZA         MP HOLD SHEET-2         NRP         2           K105         DFHR3J66ZB         MP SPACER         NRP         2           K106         DFHR3J92ZA         SHEET-2         NRP         1           K107         DFMD7B29ZC         HDD HOLD PLATE         1           K108         DFHR3H88ZA         HDD SHEET B         NRP           K109         DFHR3J69ZA         HDD PROTECT SHEET         NRP           K110         DFMD7B28ZB-0         DIMM COVER         1           K111         DFMX1288ZB         INSULATION SHEET DIMM         NRP           K112         DFMD7B32ZB-0         ROBSON COVER         1				LIDD	1
K103         DFME0156ZD         HINGE SUPPROT L         1           K104         DFHR3J83ZA         MP HOLD SHEET-2         NRP         2           K105         DFHR3J66ZB         MP SPACER         NRP         2           K106         DFHR3J92ZA         SHEET-2         NRP         1           K107         DFMD7B29ZC         HDD HOLD PLATE         1           K108         DFHR3H88ZA         HDD SHEET B         NRP         1           K109         DFHR3J69ZA         HDD PROTECT SHEET         NRP         1           K110         DFMD7B28ZB-0         DIMM COVER         1           K111         DFMX1288ZB         INSULATION SHEET DIMM         NRP           K112         DFMD7B32ZB-0         ROBSON COVER         1					1
K104         DFHR3J83ZA         MP HOLD SHEET-2         NRP         2           K105         DFHR3J66ZB         MP SPACER         NRP         2           K106         DFHR3J92ZA         SHEET-2         NRP         1           K107         DFMD7B29ZC         HDD HOLD PLATE         1         NRP         1           K108         DFHR3H88ZA         HDD SHEET B         NRP         1           K109         DFHR3J69ZA         HDD PROTECT SHEET         NRP         1           K110         DFMD7B28ZB-0         DIMM COVER         1         1           K111         DFMX1288ZB         INSULATION SHEET DIMM         NRP         1           K112         DFMD7B32ZB-0         ROBSON COVER         1				NKP	1
K105         DFHR3J66ZB         MP SPACER         NRP         2           K106         DFHR3J92ZA         SHEET-2         NRP         1           K107         DFMD7B29ZC         HDD HOLD PLATE         1           K108         DFHR3H88ZA         HDD SHEET B         NRP         1           K109         DFHR3J69ZA         HDD PROTECT SHEET         NRP         1           K110         DFMD7B28ZB-0         DIMM COVER         1           K111         DFMX1288ZB         INSULATION SHEET DIMM         NRP           K112         DFMD7B32ZB-0         ROBSON COVER         1				LIDD	1
K106         DFHR3J92ZA         SHEET-2         NRP           K107         DFMD7B29ZC         HDD HOLD PLATE         1           K108         DFHR3H88ZA         HDD SHEET B         NRP           K109         DFHR3J69ZA         HDD PROTECT SHEET         NRP           K110         DFMD7B28ZB-0         DIMM COVER         1           K111         DFMX1288ZB         INSULATION SHEET DIMM         NRP           K112         DFMD7B32ZB-0         ROBSON COVER         1					2
K107         DFMD7B29ZC         HDD HOLD PLATE         1           K108         DFHR3H88ZA         HDD SHEET B         NRP         1           K109         DFHR3J69ZA         HDD PROTECT SHEET         NRP         1           K110         DFMD7B28ZB-0         DIMM COVER         1           K111         DFMX1288ZB         INSULATION SHEET DIMM         NRP           K112         DFMD7B32ZB-0         ROBSON COVER         1					2
K108         DFHR3H88ZA         HDD SHEET B         NRP         1           K109         DFHR3J69ZA         HDD PROTECT SHEET         NRP         1           K110         DFMD7B28ZB-0         DIMM COVER         1           K111         DFMX1288ZB         INSULATION SHEET DIMM         NRP           K112         DFMD7B32ZB-0         ROBSON COVER         1				NKP	1
K109         DFHR3J69ZA         HDD PROTECT SHEET         NRP         1           K110         DFMD7B28ZB-0         DIMM COVER         1           K111         DFMX1288ZB         INSULATION SHEET DIMM         NRP         1           K112         DFMD7B32ZB-0         ROBSON COVER         1				1100	1
K110         DFMD7B28ZB-0         DIMM COVER         1           K111         DFMX1288ZB         INSULATION SHEET DIMM         NRP         1           K112         DFMD7B32ZB-0         ROBSON COVER         1					1
K111 DFMX1288ZB INSULATION SHEET DIMM NRP 1 K112 DFMD7B32ZB-0 ROBSON COVER 1				NKP	1
K112 DFMD7B32ZB-0 ROBSON COVER					1
				NRP	1
K113 DFHE1053ZA GASKET-65TSV3-3-20 NRP					1
	K113	DFHE1053ZA	GASKET-65TSV3-3-20	NRP	1

K114	DFHG2034ZB-0	FOOT RUBBER	NRP	
K114	DFHE1089ZA		NRP	
K116	DFHE1089ZA	GASKET-3-3-65	NRP	<u>'</u>
K110 K117		GASKET-65TSV2.5-1.5-20	INRP	
	DFHR6342ZB	MODELAN HOLDER-1	NDD	
K118	DFMX1311ZA	INSULATION SHEET LAN	NRP	
K119	DFHR6343ZB	MODELAN HOLDER-2		
K120	DFHM0430ZA	KBD LID PLATE		
K121	DFHR3G76ZB	KBD LID SHEET	NRP	1
K122	DFHR6344ZB	SC EJECTER DUMMY		1
K123	DFMD7B33ZC	SMART CARD HOLDER		1
K124	DXHM0040ZA	SCREW		2
K125	DFGX0487ZD-0	COVER DUMMY		1
K126	DFMC0884ZA	EARTH PLATE MP		1
K127	DFHD14H001ZA	HEX SPACER (13.6)		1
K128	DFHG6034ZB	MP GUIDE		1
K129	DFMD7B57ZA	MODEM PLATE		1
K130	DFMX1297ZA	INSULATION SHEET SIM	NRP	1
K131	DFMD7B31ZB	MP HOLD PLATE		
K132	DFHR3J84ZA	MP CUSHION	NRP	-
K133	DFHR3H87ZA	HDD SHEET A	NRP	
K134	DFHR6318ZA		INITAL	
		FAN DUCT		
K135	DFMY5043ZA	HEAT SINK ASS'Y		
K136	DFHE0854ZAT	GASKET-65TSV6-6-10	NRP	
K137	DFHE1097ZA	GASKET-65TSV10-13-15	NRP	1
K138	DRHM0119ZAT	SCREW (CANCELLED 2007/7/12 BY KAWADA)		
K139	DFUQ0117ZA	HEAT SINK SPRING		4
K140	DFHE0284YAT	GASKET-10-4-10	NRP	2
K141	DFHM0426ZA	KBD EARTH PLATE		1
K142	DFHE1062ZA	GASKET-10X1X10	NRP	2
K143	DFHE1063ZA	GASKET-10X5X15	NRP	-
K144	DFMX1309ZB	INSULATION SHEET FPC2	NRP	-
K145	DFHE1076ZA	CONDUCTIVE TAPE-30X80	NRP	-
			NRP	
K146	DFHE1078ZA	CONDUCTIVE TAPE HDD	NRP	
K147	DFHR6328ZA-0	WL BUTTON		
K148	DFMX1139ZA	PROTECTION SHEET	NRP	1
K149	DFGM0011ZA	BOTTOM MESH PLATE		1
K150	DFHE1057ZB	CONDUCTIVE TAPE-7X35	NRP	1
K151	DFHR3H62ZA	TOP WATERPROOF SHEET	NRP	1
K152	DFHR6357ZB	SPEAKER HOLDER L		1
K153	DFMX1298ZA	INSULATION SHEET SPEAKER	NRP	2
K154	DFHE1096ZA	CONDUCTIVE TAPE-MODEM	NRP	1
K155	DFMX1333ZA	INSULATION SHEET	NRP	1
K156	DFHR3J70ZB	CABLE SHEET-A		-
K157	DFMC0766YBT		NRP	
	DFHE1072ZA	GASKET-6-8-8	NRP	
K158		CONDUCTIVE TAPE-9X60	ואתר	
K159	DFGX0484ZD-0	COVER BT	NES	
	DFGX0283ZA-1	LCD SCREW SHEET	NRP	3
	DFMD7B60ZA	SIM COVER PLATE		
	DFGX0483ZC-0	COVER BATTERY		•
	DFHE1077ZA	GASKET 6-6-6	NRP	•
K164	DFMX1334ZA	DIMM SHEET	NRP	
K165	DFHR6340ZA-0	DUMMY PC CARD		
K166	DFHR6339ZA-0	DUMMY EXPRESS CARD		
K167	DFGX0486ZC-0	COVER IO-L		
K168	DFGX0497ZC-0	COVER IO-R		
	DFGX0488ZC-0	COVER PC CARD	1	-
K170	DFHM0424ZB-0	IO COVER PLATE	<del>-  </del>	
	DFHM0427ZC-0	PC COVER PLATE	+	
	DRYN4+J12KLT	SCREW (CANCELLED 2007/7/12 BY KAWADA)	<del></del>	- 2
K173	DFHR3H45ZA	HANDLE SHEET	NES	4
		CENTRINO CORE2DUO LABEL	NRP	
	DFQT0048ZA			
K175	DFQT9974ZA	WINDOWS XP LABEL(NOTE)	NRP	
K175 K176	DFQT9974ZA DFQT0045ZA			
K175 K176 K201 ⚠	DFQT9974ZA DFQT0045ZA DFGT1228ZA	WINDOWS XP LABEL(NOTE)	NRP	
K175 K176 K201 ⚠	DFQT9974ZA DFQT0045ZA	WINDOWS XP LABEL(NOTE) ENERGY STAR LABEL	NRP	-

K212	DFGE0132ZB-0	CENTER COVER NET	2
K213	DFGX0493ZA-0	TILT PANEL	1
K214	DFHR3H21ZA	TILT PANEL SHEET	1
K215	DFHR3H77ZC	TILT PANEL WP SHEET	1
K216	DFHR3H78ZB	TILT PANEL WP SHEET B	1
K217	DFHR3H79ZB	TILT PANEL WP SHEET C	1
K218	DFHR3H99ZC	KBD TAPE	3
K221	DFWV99A0120	HDD MOUNTING KIT	1
K221-1	DFGX0492ZC-0	HDD CASE	1
K221-3	DFHM0431ZA	HDD CASE UPPER	1
K221-4	DFHR3F99YA	HDD DAMPER	1
K221-5	DFHR6203ZA	HOLDER HDD CN	1
K221-6	DFMX1305ZA	INSULATION SHEET HDD	1
K221-7	DFMX1330ZA	INSULATION SHEET	1
K221-8	DFWP0148ZA	HDD FPC ASSY	1
N1	DFHE5035ZB	SCREW	4
N2	DFHE5122YA	SCREW	40
N3	DRHM0065ZA	SCREW	1
N4	DRHM0093ZA	SCREW	38
N5	DRHM0112ZA	SCREW	2
N6	DRHM0115ZA	SCREW	2
N7	DRHM5025YAT	SCREW	10
N8	DRHM5054XAT	SCREW	5
N9	DRHM5104ZAT	SCREW	5
N10	DRSB2+3FKLT	SCREW	1
N11	DXQT2+F3FNLT	SCREW	3
N12	DXSB2+4FNLT	SCREW	10
N13	DXYN2+F12FNL	SCREW	4
N14	XTB26+10GJKT	SCREW	10
N15	XQN17+BJ6FJ	SCREW	2
N16	DRQT2+E8FKLT	SCREW	2
N202	DRSB2+4FKLT	SCREW	5
DVD Drive			
DM1 🛕	DFWV78A0267	DVD MULTI DRIVE	1
DM1-1	DFHR9131ZA	BEZEL ASSY	1
DM2 🛕	DFKE0709YA-0	MP BOTTOM	1
DM3 🛕	DFKE0710ZA-0	MP CABINET TOP	1
DM4	DFHR6085ZA-0	MP LATCH	1
DM5	DFWP0142YA	MP FPC	1
DM6	DRHM5067YA	SCREW	2
DM7	DRQT2+E8FKLT	SCREW	2

## **Replacement Parts List**

Note: Important Safety Notice

Components identified by !\text{! mark have special characteristics important for safety.}
When replacing any of these components use only manufacturer's specified parts.

## **CF-52AJYZDZM**

REF. NO and AREA	PART NO.	DESCRIPTION	Q'TY
MAIN PCB	•		
IC 1	C2GBD0000033	CPU	1
IC 2	C1CB00002803	CHIPSET PM	1
IC 4	C1CB00002746	CHIPSET	1
1028, 1046, 1087, 1096, 1139 C 4, 91, 123, 134, 153,	EEFCX0D221R	CAPACITOR, 2V, 220µF	7
233, 242 C 8, 9, 13, 17, 21, 25, 46,	F1G1C104A042	CAPACITOR, 16V, 0.1µF	172
47, 48, 49, 50, 88, 90, 95, 98, 102, 109, 122, 124, 131, 147, 151, 154, 155, 156, 164, 165, 166, 167, 171, 173, 175, 177, 180, 181, 182, 183, 186, 188, 190, 192, 218, 219, 221, 223, 225, 229, 235, 237, 238, 239, 240, 241, 243, 244, 245, 248, 249, 259, 295, 296, 297, 298, 299, 313, 337, 343, 348, 361, 362, 364, 369, 372, 374, 375, 376, 377, 378, 395, 398, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 424, 426, 438, 440, 441, 442, 460, 461, 462, 463, 464, 474, 480, 481, 489, 490, 491, 495, 500, 509, 516, 517, 518, 519, 520, 521, 522, 553, 554, 555, 557, 559, 567, 568, 569, 580, 581, 582, 584, 601, 602, 603, 606, 607, 608, 609, 615, 624, 625, 626, 627, 628, 629, 630, 631, 642, 643, 644, 645, 646, 647, 648, 649, 651, 653, 655, 657, 659, 661, 663, 665, 725, 726, 727, 1098, 1156, 1157, 1158, 1172, 1220			

C 41, 107, 110, 194, 195,	F1J0J4750019	CAPACITOR, 6.3V, 4.7µF	22
236, 312, 328, 334, 336,			
339, 400, 416, 471, 473,			
486, 487, 499, 546, 547,			
560, 583	F1C1U102A406	CARACITOR FOV 1000°E	22
C 45, 421, 422, 423, 439,	F1G1H102A496	CAPACITOR, 50V, 1000pF	22
488, 558, 588, 598, 600, 612, 732, 1041, 1043,			
1048, 1082, 1085, 1089,			
1134. 1141. 1216. 1219			
C 51, 52, 105, 132, 133,	F1H0J1050022	CAPACITOR, 6.3V, 1µF	35
162, 169, 178, 193, 200,			
201, 202, 203, 224, 228,			
246, 322, 323, 351, 355,			
371, 373, 527, 618, 619,			
620, 621, 636, 637, 638,			
639 672 674 675 677	E40444044044	CARACITOR 40V 0.4VE	70
C 53, 54, 55, 56, 57, 58,	F1G1A104A014	CAPACITOR, 10V, 0.1µF	79
59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70,			
71, 72, 73, 74, 75, 76,			
77, 78, 79, 80, 81, 82,			
83, 84, 210, 211, 212,			
213, 214, 215, 262, 263,			
264, 265, 266, 267, 268,			
269, 270, 271, 272, 273,			
274, 275, 276, 277, 278,			
279, 280, 281, 282, 283,			
284, 285, 286, 287, 288,			
289, 290, 291, 292, 293,			
458, 459, 470, 472, 475,			
545 564 565 566			
C 85, 86, 87, 94, 126, 135	F1G0J474A001	CAPACITOR, 6.3V, 0.47µF	6
C 92, 93, 142, 146, 149,	F1G0J224A001	CAPACITOR, 6.3V, 0.22µF	8
152, 157, 158	E40014054004	CARACITOR COVA 5	20
C 96, 97, 111, 117, 118,	F1G0J105A001	CAPACITOR, 6.3V, 1µF	60
129, 137, 139, 217, 220,			
227, 230, 231, 257, 261, 294, 301, 303, 304, 305,			
307, 309, 310, 311, 316,			
317, 318, 319, 321, 324,			
325, 326, 327, 330, 331,			
333, 335, 344, 352, 353,			
354, 358, 359, 360, 363,			
365, 367, 368, 454, 455,			
456, 469, 498, 678, 679,			
1007, 1015, 1016, 1093,			
1161			
C 113	D0GAR00J0005	RESISTOR, 1/16W, 0Ω	1
C 119, 120, 127, 128, 130,	F1J0J226A051	CAPACITOR, 6.3V, 22µF	10
150, 159, 250, 357, 533			
C 196, 197, 198, 199, 216,	F1G1E103A062	CAPACITOR, 25V, 0.01µF	39
252, 253, 254, 255, 260,			
417, 418, 419, 431, 432,			
457, 466, 467, 476, 549,			
550, 594, 610, 733, 734,			
1025, 1026, 1090, 1150,			
1151, 1154, 1155, 1165,			
1167, 1206, 1207, 1209,			
1215, 1218			
C 204, 205, 393, 401, 1138	F1G1H220A542	CAPACITOR, 50V, 22pF	5
C 256, 258	F1G1H150A542	CAPACITOR, 50V, 15pF	2
C 338, 551, 552, 1086	F1G1H470A542	CAPACITOR, 50V, 47pF	4
C 356, 505, 506, 507, 510,	F1G1H222A496	CAPACITOR, 50V, 2200pF	10
511, 512, 525, 526, 1014 C 397, 445, 446, 447, 448,	F1G1H471A496	CAPACITOR, 50V, 470pF	12
622, 623, 640, 641,	1 1011147 17490		12
1008, 1044, 1084			
C 399, 427, 428, 429, 430,	F1G1H221A496	CAPACITOR, 50V, 220pF	10
482, 504, 575, 576, 1136			
C 415	F1J1E334A081	CAPACITOR, 25V, 0.33µF	1

C 420, 1005	F1G1H271A495	CAPACITOR, 50V, 270pF	2
C 434, 435, 436, 437, 496,	F1H1A1050015	CAPACITOR, 10V, 1µF	19
503, 523, 524, 529, 530,			
592, 616, 617, 632, 633,			
634, 635, 1102, 1177 C 443, 444, 1132	F1G1H330A542	CAPACITOR, 50V, 33pF	3
C 445, 444, 1152	F1L3D102A003	CAPACITOR, 50V, 33pF	1
C 468, 1045, 1083	F1G1H100A544	CAPACITOR, 50V, 10pF CAPACITOR, 100V, 0.01µF	3
C 477, 478, 479, 494	F1J2A103A018	, , ,	4
C 501, 502, 570, 571	EEFUD0J151ER	CAPACITOR, 6.3V, 150µF	4
C 508, 532, 1103, 1125, 1126, 1127	EEFCX0J101R	CAPACITOR, 6.3V, 100µF	6
C 596	F1G0J683A001	CAPACITOR, 6.3V, 0.068µF	1
C 1000, 1006, 1009, 1011,	F1H1H1830001	CAPACITOR, 50V, 0.018µF	5
1012	E40411404000E	CARACITOR FOV 400=F	2
C 1002, 1042, 1143	F1G1H1010005	CAPACITOR, 50V, 100pF	3
C 1003	F1H1H562A748	CAPACITOR, 50V, 5600pF	1
C 1004	F1G1H121A495	CAPACITOR, 50V, 120pF	1
C 1010	F1G1H181A495	CAPACITOR, 50V, 180pF	1
C 1013	F1G1H390A542	CAPACITOR, 50V, 39pF	1
C 1017, 1018, 1038, 1079, 1130, 1140	F1H1C224A074	CAPACITOR, 16V, 0.22µF	6
C 1019, 1020, 1022, 1023,	F1K1E1060001	CAPACITOR, 25V, 10µF	22
1036, 1051, 1076, 1077,	1 11(121000001	ο, π. γιοτι στι, 20 ν, τομι	
1094, 1095, 1129, 1144,			
1180, 1184, 1185, 1188,			
1189, 1190, 1191, 1192,			
1193, 1194	EEECVOD224ED	CARACITOR 2V 220E	
C 1029, 1031, 1032, 1034, 1035, 1099, 1100, 1196,	EEFSX0D331ER	CAPACITOR, 2V, 330μF	9
1204			
C 1039, 1049, 1091	F1H1H182A748	CAPACITOR, 50V, 1800pF	3
C 1040, 1047, 1080, 1081,	F1H1H104A748	CAPACITOR, 50V, 0.1µF	16
1088, 1131, 1133, 1142,		, , , , , , , , , , , , , , , , , , , ,	
1159, 1162, 1163, 1174,			
1176, 1178, 1179, 1198	5551100000150	0.00.0000000000000000000000000000000000	
C 1052, 1075	EEFUD0D271ER	CAPACITOR, 2V, 270µF	2
C 1097	EEFCD0D101ER	CAPACITOR, 2V, 100µF	1
C 1137	F1G1H331A496	CAPACITOR, 50V, 330pF	1
C 1145	EEFCX0G151R	CAPACITOR, 2V, 150µF	1
C 1147, 1149	F1G1C473A004	CAPACITOR, 16V, 0.047µF	2
C 1166	F1L1E106A017	CAPACITOR, 25V, 10µF	1
C 1168	F1J1E105A009	CAPACITOR, 25V, 1µF	1
C 1175	F1G1H152A496	CAPACITOR, 50V, 1500pF	1
C 1181, 1182, 1183	DCUI1C106HDB	CAPACITOR, 16V, 10µF	3
CF 1, 2, 3	D4CC1103A038	THERMISTOR	3
CN 2	K1MML0B00005	CONNECTOR	1
CN 3	K1MML0B00006	CONNECTOR	1
CN 4	K1KA02AA0329	CONNECTOR	1
CN 5, 3000	K1KA30AA0184	CONNECTOR	2
CN 7	K1KA10AA0033	CONNECTOR	1
CN 9	K2HZ104B0014	CONNECTOR	1
CN 10	K1NAF0D00003	CONNECTOR	1
CN 13	K1MY52B00003	CONNECTOR	1
CN 14	K1KB30B00021	CONNECTOR	1
CN 15, 16, 29, 30	K1FY104BA024	CONNECTOR, USB	4
CN 18	K1KA03AA0329	CONNECTOR	1
CN 19, 27	K1KA40AA0330	CONNECTOR	2
CN 21	K1KY42B00001	CONNECTOR	1
CN 22	K1MY45AA0040	CONNECTOR	1
CN 23, 25	K1MY10AA0040	CONNECTOR	2
CN 28	K1FB115BA014	CONNECTOR	1
01104	K1KAA0AA0244	CONNECTOR	1
CN 31	KTKAAUAAU244		
CN 31 CN 33	K1KA62B00003	CONNECTOR	1
			1 1
CN 33	K1KA62B00003	CONNECTOR	-

CN 1000	K1l	KB40AA0217	CONNECTOR	1
D 2, 3, 10, 17, 18	MA	2J72900L	DIODE	5
D 4, 7, 29, 1033, 1039,	MA	3J741E0L	DIODE	6
D 8, 9, 22, 23, 30, 31, 33,	B0ł	KB00000044	DIODE	8
D 19, 20, 21, 25, 26, 27, 28, 1030, 1031, 1032	B0/	ADDH000004	DIODE	10
D 24, 1027, 1029, 1042	MA	2S111-TX	DIODE	4
D 1002, 1003, 1004, 1010	В0.	ICPD000023	DIODE	4
D 1005, 1009, 1015	В0.	JDAE000004	DIODE	3
D 1006, 1008, 1014, 1016, 1038	В0.	JCMD000014	DIODE	5
D 1019, 1020, 1021, 1022, 1023, 1024, 1026	MA	Z80620ML	DIODE	7
D 1028	B2/	\BAM000002	DIODE	1
D 1034, 1037	В0.	IDSD000020	DIODE	2
D 1035	MA	Z81200ML	DIODE	1
D 1036	MA	Z81800ML	DIODE	1
F 2, 7, 8, 9, 10, 11	<b>⚠</b> K5l	1202Z00005	FUSE, 2A, 32V	6
F 5		H402Z00003	FUSE, 4A, 32V	1
F 1000		H153A00001	FUSE, 15A, 65V	1
F 1001, 1002		H123Y00001	FUSE, 12A, 65V	2
FL 4, 5, 6, 7, 8, 9, 10, 11,		IAAC000061	EMI FILTER	10
12, 13				
IC 3		JBBZ000319	PLL	1
IC 5		DBZYY00271	IC	1
IC 7		CBCBC00137	IC, REGULATOR	1
IC 12		CB00002734	TEMPERATURE SENSOR	1
IC 15		JBZZ000327	IC, THERMAL SENSOR	1
IC 17		EBDC000073	IC, EEPROM	1
IC 18		2205IDBLET	IC, LOGIC	1
IC 19, 66		JBAZ002422	IC, FET SWITCH	2
IC 23	C20	CBJA000003	IC, MICON	1
IC 25, 32	COI	DBZYY00026	IC, USB POWER SW	2
IC 26	C1I	DB00001379	IC, SUPER I/O	1
IC 27	C10	CB00002790	IC, SECURITY CHIP	1
IC 28	C02	ZBZ0000679	IC, RS232C TRANSCEIVER	1
IC 31, 33, 65	C0	JBAR000500	IC, SWITCH	3
IC 34, 36, 1019, 1020	COL	EBE0000459	IC	4
IC 38, 39	C0.	JBAZ002346	IC, LOGIC	2
IC 41	C0	JBAZ002192	IC	1
IC 42, 49, 51, 53, 83, 84, 89, 90, 92, 1011, 1021,	C0	JBAA000362	IC, LOGIC	12
IC 44	C10	CB00002748	IC, VGA	1
IC 45	C10	CB00002328	IC, CARD BUS CONTROLLER	1
IC 47	C0	JBAB000624	IC	1
IC 52	C0	JBAA000254	GATE LOGIC	1
IC 74	COI	DBZYY00265	POWER MANAGEMENT SWTICH	1
IC 75, 76, 77, 78, 79, 80, 81, 82	C3/	ABSG000046	MEMORY	8
IC 85	C0	JBAE000321	IC, LOGIC	1
IC 86	C10	CB00002752	LAN CONTROLLER	1
IC 87	C0.	JBAZ002420	IC, LAN SW	1
IC 88	COL	BBAA000034	CMOS COMPARATOR	1
IC 91	COI	DBZYY00017	IC	1
IC 1000, 1001, 1003	COI	DBALH00003	IC	3
IC 1004	COI	DBAYY00281	DC/DC CONTROLLER FOR CPU	1
IC 1006	COL	DBEFH00002	IC, REGULATOR	1
IC 1006	l looi			<del></del>
IC 1006		DBEZG00024	IC	1
	COI	DBEZG00024 EBE0000333	IC IC	1 1
IC 1007	C0I			
IC 1007 IC 1008	C0I C0I	EBE0000333	IC	1
IC 1007 IC 1008 IC 1009 IC 1010	C0I C0I C0I	BE0000333 ABZA000047	IC IC, AMP	1
IC 1007 IC 1008 IC 1009	C0I C0I C0I C0I	EBE0000333 ABZA000047 DBDJH00009 JBAD000195	IC IC, AMP IC, LINER IC	1 1 1
IC 1007 IC 1008 IC 1009 IC 1010 IC 1012, 1018 IC 1013	C0I C0, C0, C0, C0,	EBE0000333 ABZA000047 DBDJH00009	IC IC, AMP IC, LINER IC	1 1 1 2
IC 1007 IC 1008 IC 1009 IC 1010 IC 1012, 1018	C0I C0I C0I C0I C0I C0I C0I C0I	ABZA000047 DBDJH00009 JBAD000195 JBAZ002195	IC IC, AMP IC, LINER IC	1 1 1 2 1

JK 1000	⚠ K2EEYB000001	JACK	1
JK 8101, 8102	K1QZA1AE0001	CONNECTOR	2
L 1	G1C91NM00001	INDUCTOR	1
L 4	G1C1R0Z00002	INDUCTOR	1
	J0JJC0000021	INDUCTOR	7
L 5, 7, 8, 12, 17, 67, 68			
L 10, 13	G1C1R0MA0076	INDUCTOR	2
L 11	DDAZR100KTD	INDUCTOR	1
L 16, 64	J0JGC0000038	CHIP BEADS	2
L 20, 25, 26, 43, 44	J0JDC0000105	CHIP BEADS	5
L 22, 33, 34, 47, 48	J0JHC0000074	INDUCTOR	5
L 24	D0GAR00J0005	RESISTOR, 1/16W, 0Ω	1
L 28	G1BYYYY00009	INDUCTOR	1
L 31, 32, 41, 42, 76	J0MAB0000200	INDUCTOR	5
L 58	J0MAB0000116	INDUCTOR	1
L 61	J0JCC0000317	INDCUTOR	1
L 66	G1C4R7MA0077	INDUCTOR	1
L 71, 73, 74, 75	J0ZZB0000080	IDUCTOR, COMMON MODE FILTER	4
L 1000, 1001	G1AR56PA0001	INDUCTOR	2
L 1002, 1006	G1A1R2PA0001	CHOKE COIL	2
L 1003, 1005	G1C100M00030	COIL	2
L 1009	G1A4R7PA0001	CHOKE COIL	1
L 1010	G1C2R8MA0240	COIL	1
	J0JKC0000007	INDUCTOR	2
L 1011, 1012			
L 1013	G1A160HA0032	COIL	1
PA 4	△ D4FB1R100009	SWITCH	1
Q 1, 2, 42, 77, 79, 1010,	B1CFGD000023	TRANSISTOR	16
1014, 1019, 1022, 1037,			
1040, 1045, 1092, 1111, 1112, 1119			
Q 3, 28, 46, 74, 1009,	B1GBCFJN0037	TRANSISTOR	22
1016, 1025, 1046, 1047,	2 . 2 2 . 3 . 13 3 .		
1076, 1077, 1078, 1079,			
1082, 1087, 1091, 1099,			
1100, 1101, 1102, 1114,			
1118			
Q 4, 16, 17, 18, 19, 20, 21,	B1GDCFNN0031	TRANSISTOR	22
23, 24, 25, 45, 52, 54,			
65, 70, 72, 1043, 1044,			
1075, 1088, 1113, 1117 Q 5, 29, 48, 59, 61	B1MBDCA00004	TRANSISTOR	5
Q 14, 38, 43, 47, 51	B1GFCFNN0019	TRANSISTOR	5
			1
Q 26	B1DHDC000028	TRANSISTOR	
Q 34, 35, 41, 60, 62, 66,	B1GBCFNN0042	TRANSISTOR	29
1036, 1055, 1060, 1062,			
1064, 1065, 1066, 1067, 1068, 1069, 1070, 1072,			
1080, 1081, 1083, 1086,			
1090, 1122, 1123, 1124,			
1125 1126 1127			
Q 67	2SB0766ARL	TRANSISTOR	1
Q 73, 75, 1015, 1021,	B1MBFDG00001	FET	7
1051, 1116, 1121			
Q 1001, 1003	B1CFRD000009	TRANSISTOR	2
Q 1004, 1005, 1006, 1007,	B1CFRD000020	FET	10
1012, 1024, 1038, 1096,			
1097, 1110	D4D11DD000004	TDANICISTOD FET	
Q 1008, 1054	B1DHDD000031	TRANSISTOR, FET	2
Q 1013, 1023, 1039, 1041,	B1CFRD000014	FET	7
1057, 1058, 1115 Q 1050, 1052, 1084, 1085,	B1CHRD000001	TRANSISTOR	6
1089, 1093	ויייייייייייייייייייייייייייייייייייייי	TRANSISTOR	0
Q 1094	B1MBEDA00008	TRANSISTOR	1
R 1, 2, 27, 40, 42, 44, 193,	D0GA102JA023	RESISTOR, 1/16W, 1KΩ	14
266, 267, 534, 579, 591,	500A 1020A020	1120101011, 1/1000, 11122	
592, 621			
R 3	D1H85104A024	RESISTOR ARRAY	1
R 7, 32, 74, 80, 82, 1026	D1BA1001A023	RESISTOR, 1/16W, 1KΩ	6
R 8, 33, 303	D1BA2001A023	RESISTOR, 1/16W, 2KΩ	3
0, 00, 000	3, 1200 17 1020		<u> </u>

R 10, 11, 31, 333, 334, 335, 336, 341, 342, 343, 344	D1BA1000A023	RESISTOR, 1/16W, 100Ω	11
R 14, 16	D1BA27R4A023	RESISTOR, 1/16W, 27.4Ω	2
R 15, 17, 36, 37	D1BA54R9A023	RESISTOR, 1/16W, 54.9Ω	4
R 19	D0GA680JA023	RESISTOR, 1/16W, 68Ω	1
R 20, 24, 25, 257, 305,	D0GA560JA023	RESISTOR, 1/16W, 56Ω	13
605, 606, 607, 608, 617, 618, 619, 620	D00A000A020	1710W, 3052	
R 21, 1027, 1029, 1053, 1101, 1161	D0GB100JA065	RESISTOR, 1/16W, 10Ω	6
R 22, 23, 175, 221, 256, 379, 419, 516, 526, 533,	D0GA101JA023	RESISTOR, $1/16W$ , $100\Omega$	22
574, 575, 576, 1192,			
1193, 1194, 1195, 1196,			
1197, 1200, 1206, 1207			
R 26, 35, 99, 156, 212, 252	D1BA24R9A023	RESISTOR, 1/16W, 24.9Ω	6
R 29, 350, 1213, 1216, 1219, 1234	D0GA562JA023	RESISTOR, 1/16W, 5.6KΩ	6
R 30	D1BA2210A023	RESISTOR, 1/16W, 221Ω	1
R 34, 46, 60, 61, 62, 68,	D0GAR00J0005	RESISTOR, 1/16W, 0Ω	59
69, 72, 73, 84, 85, 88,	DOCAROUS	1/10W, 012	39
90, 91, 94, 95, 96, 135,			
137, 139, 142, 144, 145,			
146, 148, 149, 150, 151,			
167, 178, 224, 251, 258,			
312, 317, 355, 358, 370,			
390, 391, 420, 431, 432,			
436, 504, 505, 508, 547,			
555, 557, 558, 645,			
1001, 1003, 1018, 1054,			
1113, 1204, 1225			
R 49, 50, 359, 364, 449,	D1BA1002A022	RESISTOR, 1/16W, 10KΩ	13
694, 1038, 1039, 1056,	3.5,652,.622		
1121, 1122, 1169, 1208			
R 58, 244, 1080, 1106,	D0GA203JA023	RESISTOR, 1/16W, 20KΩ	5
1166			
R 70, 71	D1BA20R0A023	RESISTOR, 1/16W, 20Ω	2
R 75	D1BA3920A023	RESISTOR, 1/16W, 392Ω	1
R 81, 1024, 1246, 1247	D1BA3001A022	RESISTOR, 1/16W, 3KΩ	4
R 97, 98	D0GA222JA023	RESISTOR, 1/16W, 2.2KΩ	2
R 138, 143, 147, 233, 234, 239	D0GB1R0JA065	RESISTOR, 1/16W, 1Ω	6
R 140, 165, 246, 459, 520,	D0GA105JA023	RESISTOR, 1/16W, 1MΩ	19
695, 696, 697, 1176,			
1181, 1183, 1188, 1189,			
1285, 1286, 1287, 1288,			
1289, 1290 R 153, 247, 311, 325, 337,	D0GA104JA023	RESISTOR, 1/16W, 100KΩ	34
346, 360, 362, 363, 388,	DUGA 104JA023	INCOISTON, I/TOVV, TOUNG	34
413, 416, 417, 461, 463,			
511, 517, 525, 548, 552,			
578, 646, 1005, 1047,			
1064, 1114, 1175, 1223,			
1226, 1229, 1263, 1264,			
1293 1294 R 154, 171, 176, 211, 219,	D0GA103JA023	RESISTOR, 1/16W, 10KΩ	57
236, 237, 238, 259, 309,	200,11000,1020		
319, 322, 323, 332, 347,			
361, 414, 415, 427, 428,			
440, 441, 462, 486, 487,			
490, 492, 496, 500, 510,			
518, 523, 524, 529, 538,			
539, 572, 573, 581, 583,			
584, 590, 593, 644,			
1008, 1044, 1048, 1052,			
1100, 1108, 1160, 1203,			
1222, 1230, 1279, 1291,			
1292 R 157, 158, 160, 161, 162,	D1HA5608A010	RESISTOR, 1/16W, 56Ω	6
164	21171000071010	1.2001011, 1/1000, 0022	

R 159, 163, 366	D1H85604A024	RESISTOR ARRAY	3
R 168, 169, 206, 207	D0GA150JA023	RESISTOR, 1/16W, 15Ω	4
R 173, 187, 188, 203, 205, 222, 264, 375, 423, 439,	D1H81034A024	RESISTOR ARRAY	13
473, 587, 589 R 174, 457	D1H83304A024	RESISTOR ARRAY	2
	D0GA330JA023		24
R 180, 183, 184, 202, 265, 351, 352, 353, 354, 376,	DUGA330JA023	RESISTOR, 1/16W, 33Ω	24
385, 411, 429, 430, 437,			
452, 453, 478, 488, 521, 522, 535, 567, 568			
R 201, 225	D1H84724A024	RESISTOR ARRAY	2
R 204, 261, 262, 263, 425, 438, 477	D1HA1038A010	RESISTOR, 1/16W, 10KΩ	7
R 213	D1BA22R6A023	RESISTOR, 1/16W, 22.6Ω	1
R 226, 450, 464	D0GA471JA023	RESISTOR, 1/16W, 470Ω	3
R 228, 230	D1BA3241A023	RESISTOR, 1/16W, 3.24KΩ	2
R 229, 231	D1BA4530A023	RESISTOR, 1/16W, 453Ω	2
R 232	D0GA121JA023	RESISTOR, 1/16W, 120Ω	1
R 235, 559, 586, 596, 681, 682, 683, 687	D1H8R0040009	JUMPER	8
R 240, 242	D1BA3323A023	RESISTOR, 1/16W, 332KΩ	2
R 245	D0GA106JA023	RESISTOR, 1/16W, 10MΩ	1
R 254	D0GA334JA023	RESISTOR, 1/16W, 330KΩ	1
R 260, 313, 314, 338, 339, 551, 553, 561, 562, 1179, 1184, 1245	D0GA472JA023	RESISTOR, 1/16W, 4.7KΩ	12
R 268	D1BA1210A023	RESISTOR, 1/16W, 121Ω	1
R 269	D1BA71R5A023	RESISTOR, 1/16W, 71.5Ω	1
R 302	D1BA5620A023	RESISTOR, 1/16W, 562Ω	1
R 304	D1BA1471A023	RESISTOR, 1/16W, 1.47KΩ	1
R 306	D1BA7150A023	RESISTOR, 1/16W, 715Ω	1
R 315, 699, 1014, 1032, 1033, 1034, 1035	D0GBR00J0004	RESISTOR, 1/16W, 0Ω	7
R 340	D1BA2430A023	RESISTOR, 1/16W, 243Ω	1
R 367	D1BA5101A023	RESISTOR, 1/16W, 5.1KΩ	1
R 373, 374, 1049, 1050, 1061, 1062, 1097, 1098, 1111, 1112, 1157, 1158, 1170, 1171	D0GA100JA023	RESISTOR, 1/16W, 10Ω	14
R 400, 401, 402, 403, 404, 405, 406, 407	D1BA49R9A023	RESISTOR, 1/16W, 49.9Ω	8
R 409	D1BA1401A023	RESISTOR, 1/16W, 1.4KΩ	1
R 410, 1036, 1037	D1BA1501A023	RESISTOR, 1/16W, 1.5KΩ	3
R 412, 512, 1156, 1180, 1182, 1228, 1232	D0GA474JA023	RESISTOR, 1/16W, 470KΩ	7
R 421, 422, 541, 569	D1BA75R0A023	RESISTOR, 1/16W, 75.0Ω	4
R 424, 426	D1BA3901A023	RESISTOR, 1/16W, 3.9KΩ	2
R 458	D0GA181JA023	RESISTOR, 1/16W, 180Ω	1
R 465, 466, 467, 469, 536, 537, 542, 543, 1115	D0GA221JA023	RESISTOR, 1/16W, 220Ω	9
R 475	D1HA1028A010	RESISTOR, 1/16W, 1ΚΩ	1
R 480, 482, 519, 1010, 1155, 1221, 1227, 1256	D0GA473JA023	RESISTOR, 1/16W, 47KΩ	8
		IDEOLOTOD 4/40M/ 47MO	2
R 506, 507	D1HA4728A010	RESISTOR, 1/16W, 4.7KΩ	
R 506, 507 R 544, 594	D1H84734A024	RESISTOR ARRAY	2
R 506, 507 R 544, 594 R 546, 550	D1H84734A024 D0GA682JA023	RESISTOR ARRAY RESISTOR, 1/16W, 6.8KΩ	2
R 506, 507 R 544, 594 R 546, 550 R 564, 565, 566, 628, 629,	D1H84734A024	RESISTOR ARRAY	
R 506, 507 R 544, 594 R 546, 550	D1H84734A024 D0GA682JA023 D1BA1500A023	RESISTOR ARRAY RESISTOR, 1/16W, 6.8KΩ RESISTOR, 1/16W, 150Ω	2
R 506, 507 R 544, 594 R 546, 550 R 564, 565, 566, 628, 629, 630 R 570	D1H84734A024 D0GA682JA023 D1BA1500A023 D1BA1871A023	RESISTOR ARRAY RESISTOR, 1/16W, 6.8KΩ RESISTOR, 1/16W, 150Ω RESISTOR, 1/16W, 1.87Ω	6
R 506, 507  R 544, 594  R 546, 550  R 564, 565, 566, 628, 629, 630  R 570  R 571, 1162, 1214, 1218  R 597, 598, 599, 600, 601, 602, 603, 604, 609, 610, 611, 612, 613, 614, 615,	D1H84734A024 D0GA682JA023 D1BA1500A023	RESISTOR ARRAY RESISTOR, 1/16W, 6.8KΩ RESISTOR, 1/16W, 150Ω	2 6 1 4
R 506, 507  R 544, 594  R 546, 550  R 564, 565, 566, 628, 629, 630  R 570  R 571, 1162, 1214, 1218  R 597, 598, 599, 600, 601, 602, 603, 604, 609, 610, 611, 612, 613, 614, 615, 616	D1H84734A024 D0GA682JA023 D1BA1500A023 D1BA1871A023 D1BA1003A022 D1BA4991A023	RESISTOR ARRAY  RESISTOR, 1/16W, 6.8KΩ  RESISTOR, 1/16W, 150Ω  RESISTOR, 1/16W, 1.87Ω  RESISTOR, 1/16W, 100KΩ  RESISTOR, 1/16W, 4.99ΚΩ	2 6 1 4 16
R 506, 507  R 544, 594  R 546, 550  R 564, 565, 566, 628, 629, 630  R 570  R 571, 1162, 1214, 1218  R 597, 598, 599, 600, 601, 602, 603, 604, 609, 610, 611, 612, 613, 614, 615, 616  R 623, 624, 625	D1H84734A024 D0GA682JA023 D1BA1500A023 D1BA1871A023 D1BA1003A022 D1BA4991A023 D1BA4990A023	RESISTOR ARRAY  RESISTOR, 1/16W, 6.8KΩ  RESISTOR, 1/16W, 150Ω  RESISTOR, 1/16W, 1.87Ω  RESISTOR, 1/16W, 100KΩ  RESISTOR, 1/16W, 4.99ΚΩ  RESISTOR, 1/16W, 4.99ΚΩ	2 6 1 4 16
R 506, 507  R 544, 594  R 546, 550  R 564, 565, 566, 628, 629, 630  R 570  R 571, 1162, 1214, 1218  R 597, 598, 599, 600, 601, 602, 603, 604, 609, 610, 611, 612, 613, 614, 615, 616	D1H84734A024 D0GA682JA023 D1BA1500A023 D1BA1871A023 D1BA1003A022 D1BA4991A023	RESISTOR ARRAY  RESISTOR, 1/16W, 6.8KΩ  RESISTOR, 1/16W, 150Ω  RESISTOR, 1/16W, 1.87Ω  RESISTOR, 1/16W, 100KΩ  RESISTOR, 1/16W, 4.99ΚΩ	2 6 1 4 16

P 1011	D1D420024002	DESISTOR 1/46/M 200//O	I 4
R 1011 R 1012	D1BA3093A023 D1BA1052A023	RESISTOR, 1/16W, 309KΩ	1
R 1012 R 1013	D1BA1052A023 D1BA2151A023	RESISTOR, 1/16W, 10.5KΩ  RESISTOR, 1/16W, 2.15KΩ	1
R 1015		· · · · · · · · · · · · · · · · · · ·	
R 1015	D1BA2000A023	RESISTOR, 1/16W, 200Ω	1
	D1BA2550A023	RESISTOR, 1/16W, 255Ω	1
R 1021	D1BA1821A023	RESISTOR, 1/16W, 1.82KΩ	1
R 1028	D0GB101JA065	RESISTOR, 1/16W, 100Ω	1
R 1030, 1031, 1220	D0GB3R3JA065	RESISTOR, 1/16W, 3.3Ω	3
R 1040, 1041	D1JB1M00A001	RESISTOR, 1W, 1mΩ	2
R 1042, 1043	D1BA10R0A023	RESISTOR, 1/16W, 10Ω	2
R 1045, 1116, 1117, 1118, 1119, 1120, 1149, 1153, 1154, 1172, 1173, 1250, 1251, 1282, 1283, 1284	D1BDR0220001	RESISTOR, 1/8W, 0.022Ω	16
R 1051, 1057, 1099, 1159	D0GA153JA023	RESISTOR, 1/16W, 15KΩ	4
R 1055	D1BA3161A023	RESISTOR, 1/16W, 3.16KΩ	1
R 1058, 1105, 1165	D0GA333JA023	RESISTOR, 1/16W, 33KΩ	3
R 1059	D1BA8201A023	RESISTOR, 1/16W, 8.2KΩ	1
R 1060, 1109, 1209	D1BA1502A022	RESISTOR, 1/16W, 15KΩ	3
R 1063	D1BA2400A023	RESISTOR, 1/16W, 240Ω	1
R 1065, 1066, 1067	D1BDR0470002	RESISTOR, 1/8W, 0.047Ω	3
R 1094, 1095, 1174, 1252,	D1BDR0330001	RESISTOR, 1/8W, 0.033Ω	5
1253	D1BDK0330001	RESISTOR, 1/6W, 0.03312	3
R 1103	D1BA1602A022	RESISTOR, 1/16W, 16KΩ	1
R 1104	D1BA1802A023	RESISTOR, 1/16W, 18KΩ	1
R 1110	D1BA1202A023	RESISTOR, 1/16W, 12KΩ	1
R 1150, 1151	D1BA5601A023	RESISTOR, 1/16W, 5.6KΩ	2
R 1152	D1BA1302A023	RESISTOR, 1/16W, 13KΩ	1
R 1163	D1BA6201A022	RESISTOR, 1/16W, 6.2KΩ	1
R 1164		RESISTOR, 1/16W, 6.2KΩ  RESISTOR, 1/16W, 20KΩ	1
	D1BA2002A022		1
R 1167	D1BA1301A022	RESISTOR, 1/16W, 1.3KΩ	
R 1168	D1BA3002A022	RESISTOR, 1/16W, 30KΩ	1
R 1177, 1185, 1224	D0GA564JA023	RESISTOR, 1/16W, 560KΩ	3
R 1199	D0GA223JA023	RESISTOR, 1/16W, 22KΩ	1
R 1201, 1202	D0GD222JA052	RESISTOR, 1/8W, 2.2KΩ	2
R 1205	D1ZZ00000046	RESISTOR, 1W, 5mΩ	1
R 1212	D1BDR4700001	RESISTOR, 1/8W, 0.47Ω	1
R 1215, 1217	D1BB1503A074	RESISTOR, 1/16W, 150KΩ	2
R 1231	D1BA1103A022	RESISTOR, 1/16W, 110KΩ	1
R 1235	D1BA1503A023	RESISTOR, 1/16W, 150KΩ	1
R 1236, 1237, 1238, 1239, 1240, 1241 R 1243	D1BDR1000002 D1BB1623A075	RESISTOR, 1/8W, 0.1Ω  RESISTOR, 1/16W, 162ΚΩ	6
R 1244	D1BB1692A075	RESISTOR, 1/16W, 16.9KΩ	1
R 1248, 1249	D1BDR0680001	RESISTOR, 1/16W, 10.9KΩ	2
R 1265, 1266	D16DR0660001	RESISTOR, 1/16W, 1.2KΩ	2
T 1, 2	G5BYC0000015	TRANCE	2
X 1			
X 1	H0J143500042	OSCILLATOR, 14.375MHz	1
	H0J327200150	OSCILLATOR, 32.768KHz	1
X 5	H2D800400015	OSCILLATOR, 8MHz	1
X 7	H0J245500046	OSCILLATOR, 24.576MHz	1
X 8	H0J250500027	OSCILLATOR, 25MHz	1
ZA 3, 4, 5, 6, 1001, 1002	K1YGZZ000068	STUD	6
AUDIO PCB	D0GAR00J0005	RESISTOR, 1/16W, 0Ω	2
C 3003, 3014, 3015, 3028, 3035, 3050, 3051 C 3004, 3042, 3044	F1G1A104A014 F1G0J105A001	CAPACITOR, 10V, 0.1µF  CAPACITOR, 6.3V, 1µF	7
C 3005, 3006, 3043	F1G03105A001	CAPACITOR, 6.3V, 1µF	3
		•	4
C 3007, 3008, 3019, 3020	F1L0J107A016	CAPACITOR, 6.3V, 100µF	•
C 3009, 3017, 3041	F1H1A1050015	CAPACITOR, 10V, 1µF	3
C 3010, 3033, 3052	F1J0J106A016	CAPACITOR, 6.3V, 10µF	3
C 3016, 3027	F1G0J224A001	CAPACITOR, 6.3V, 0.22µF	2
C 3023, 3024, 3025	F1J0J4750019	CAPACITOR, 6.3V, 4.7µF	3
C 3031, 3032	F1G0J334A001	CAPACITOR, 6.3V, 0.33µF	2

C 3036	F1G1C104A042	CARACITOR 16V 0.1uE	1 1
C 3037, 3038	F1G1C104A042	CAPACITOR, 16V, 0.1µF  CAPACITOR, 50V, 100pF	2
C 3039, 3040	F1H1A225A039	CAPACITOR, 30V, 100pi	2
C 3047	ECUV1H103ZFG	INDUCTOR	1
D 3001, 3002	B3ACB0000020	DIODE	2
D 3046	B0JCMD000014	DIODE	1
IC 3052	C1CB00002733	AUDIO CODEC	1
IC 3053	C1AB00002507	IC, AUDIO POWER AMPLIFIER	1
IC 3054	C0CBCBC00181	IC	1
JK 3003, 3004	K2HC1YYB0040	AUDIO JACK	2
L 3043, 3044, 3045, 3046,	DDB5Z021D-Y	CHIP BEADS	7
3047, 3048, 3049	DDD52021D 1	O'III BEADO	'
Q 3014	B1GFCFNN0019	TRANSISTOR	1
R 3001, 3003	D0GA203JA023	RESISTOR, 1/16W, 20KΩ	2
R 3002, 3036, 3039, 3041,	D0GAR00J0005	RESISTOR, 1/16W, 0Ω	5
3049			
R 3006	D0GDR00J0004	RESISTOR, 1/8W, 0Ω	1
R 3009, 3011	D0GA562JA023	RESISTOR, 1/16W, 5.6KΩ	2
R 3010, 3012	D0GA103JA023	RESISTOR, 1/16W, 10KΩ	2
R 3014	D0GA333JA023	RESISTOR, 1/16W, 33KΩ	1
R 3015, 3017	D0GA153JA023	RESISTOR, 1/16W, 15KΩ	2
R 3016, 3018	D0GA243JA023	RESISTOR, 1/16W, 24KΩ	2
R 3019	D0GA473JA023	RESISTOR, 1/16W, 47KΩ	1
R 3021, 3022	D1BA30R1A023	RESISTOR, 1/16W, 30.1Ω	2
R 3023	D0GA1R0JA023	RESISTOR, 1/16W, 1.0Ω	1
R 3024, 3043	D1BA2671A023	RESISTOR, 1/16W, 2.67KΩ	2
R 3025	D0GA330JA023	RESISTOR, 1/16W, 33Ω	1
R 3027, 3061, 3062	D0GA101JA023	RESISTOR, 1/16W, 100Ω	3
R 3028	D1BA2002A023	RESISTOR, 1/16W, 20KΩ	1
R 3030, 3031	D0GA392JA023	RESISTOR, 1/16W, 3.9KΩ	2
R 3032, 3033	D0GA4R7JA023	RESISTOR, 1/16W, 453Ω	2
R 3035	D0GA273JA023	RESISTOR, 1/16W, 273Ω	1
R 3042	D0GA100JA023	RESISTOR, 1/16W, 10Ω	1
R 3045	D1BA3922A023	RESISTOR, 1/16W, 39.2KΩ	1
R 3052, 3055	D0GBR00J0004	RESISTOR, 1/16W, 0Ω	2
SW 3001	K0D112B00071	SW	1
SERIAL PCB	•		•
CN 4000	K1KA10AA0033	CONNECTOR	1
CN 4001	K1FA209BA004	CONNECTOR	1
TOUCH PAD PCB			<u> </u>
C 4101	F1H0J1050022	CAPACITOR, 6.3V, 1µF	1
CN 4100	K1MY10BA0101	CONNECTOR	1
CN 4101	K1MY12BA0101	CONNECTOR	1
SW 4102, 4103	EVQPLDA15	SWITCH	2
SW LEDPCB	-	•	
C 4200	F1J0J4750019	CAPACITOR, 6.3V, 4.7µF	1
C 4201	F1G1C104A042	CAPACITOR, 16V, 0.1µF	1
C 4202, 4203, 4204, 4205	F1G1H222A496	CAPACITOR, 50V, 2200pF	4
CN 4200	K1KA30BA0060	CONNECTOR	1
CN 4201	K1KY12A00005	CONNECTOR	1
CN 4202, 4203	K1KA02BA0014	CONNECTOR	2
D 4200, 4201, 4202, 4204,	B3ABB0000210	DIODE	5
4205			
D 4203	B3AGB0000040	DIODE	1
R 4200	D0GA330JA023	RESISTOR, 1/16W, 33Ω	1
SW 4200	EVQPLDA15	SWITCH	1
ZA 4201, 4202	K1YGZZ000068	STUD	2
SD PCB			
C 4302	F1H1A1050015	CAPACITOR, 10V, 1µF	1
C 4303	F1G1H330A542	CAPACITOR, 50V, 33pF	1
C 4304	F1G1E103A062	CAPACITOR, 25V, 0.01µF	1
CN 4300	K1MY15BA0101	CONNECTOR	1
CN 4301	K1NA09E00073	CONNECTOR	1
D 4301	B3ACB0000020	DIODE	1

Q 4300   UNR9113J0L   TRANSISTOR   R 4300   DOGD101JA052   RESISTOR, 1/8W, 100Ω   R 4301   DOGA101JA023   RESISTOR, 1/8W, 100Ω   R 4301   R 4400   R 1/4 400   R 1/4 400   B 1/4 400   D 1/4 401   B 1/4 400   D 1/4 402   R 1/4 400
R 4301
SW 4301
PWR BATTERY LED PCB
CN 4400
D 4401   B3ABB0000210   DIODE
D 4402   B3AGB0000040   DIODE
SC RELAY PCB
CN 6502         K1KA10BA0162         CONNECTOR           CN 6503         K1MY10BA0101         CONNECTOR           C 7000, 7004, 7008, 7012,         F1G1104A042         CAPACITOR, 16V, 0.1µF           C 7002         F1G1H221A495         CAPACITOR, 50V, 220pF           C 7006, 7007, 7009         F1J0J106A016         CAPACITOR, 2V, 150µF           C 7011, 7011         EFECX0G151R         CAPACITOR, 2V, 150µF           C 7014         F1G1H1010005         CAPACITOR, 2V, 150µF           CN 7000         K1MY52BA0190         CONNECTOR           CN 7001         K1MA08E00007         CONNECTOR           CN 7002         K1MY4BA0101         CONNECTOR           CN 7003         DEDRBOB1L20         DIODE           IC 7000         CODBAYY00204         IC, DC/DC CONVERTER           JK 7001, 7002, 7003, 7004, 7003, 7004, 7003, 7004         K1QZA1AE0001         CONNECTOR           JK 7001, 7002, 7003, 7004         K1QZA1AE0001         CONNECTOR           Q 7000         B1GBCFNN0042         TRANSISTOR           Q 7001         B1GFGD000023         TRANSISTOR           Q 7002         B1GDCFNN0031         TRANSISTOR           Q 7003         B1CHRD000011         TRANSISTOR           Q 7004         B1GBCFNN0042 <td< td=""></td<>
CN 6503
C 7000, 7004, 7008, 7012,         F1G1C104A042         CAPACITOR, 16V, 0.1µF           C 7002         F1G1H221A495         CAPACITOR, 50V, 220pF           C 7006, 7007, 7009         F1J0J106A016         CAPACITOR, 50V, 220pF           C 7010, 7011         EEFCX0G151R         CAPACITOR, 8.3V, 10µF           C 7014         F1G1H1010005         CAPACITOR, 50V, 100pF           CN 7000         K1MY52BA0190         CONNECTOR           CN 7001         K1MY68E00007         CONNECTOR           CN 7002         K1MY14BA0101         CONNECTOR           CN 7003         DEDRB081L20         DIODE           IC 7000         CODBAYY00204         IC, DC/DC CONVERTER           JK 7001, 7002, 7003, 7004, 7005, 7006         K1Q2A14E0001         CONNECTOR           Q 7005, 7006         G1C2R7MA0273         INDUCTOR, COIL           Q 7000         B1GBCFNN0042         TRANSISTOR           Q 7001         B1CFGD000023         TRANSISTOR           Q 7002         B1GDCFNN0031         TRANSISTOR           Q 7003         B1CHRD000001         TRANSISTOR           R 7001         D1BA1002A023         RESISTOR, 1/16W, 10KΩ           R 7001         D1BA1002A023         RESISTOR, 1/16W, 10KΩ           R 7004         D1BA002A023
C 7000, 7004, 7008, 7012,         F1G1C104A042         CAPACITOR, 16V, 0.1µF           C 7002         F1G1H221A495         CAPACITOR, 50V, 220pF           C 7006, 7007, 7009         F1J0J106A016         CAPACITOR, 50V, 220pF           C 7010, 7011         EEFCX0G151R         CAPACITOR, 8.3V, 10µF           C 7014         F1G1H1010005         CAPACITOR, 50V, 100pF           CN 7000         K1MY52BA0190         CONNECTOR           CN 7001         K1MY68E00007         CONNECTOR           CN 7002         K1MY14BA0101         CONNECTOR           CN 7003         DEDRB081L20         DIODE           IC 7000         CODBAYY00204         IC, DC/DC CONVERTER           JK 7001, 7002, 7003, 7004, 7005, 7006         K1Q2A14E0001         CONNECTOR           Q 7005, 7006         G1C2R7MA0273         INDUCTOR, COIL           Q 7000         B1GBCFNN0042         TRANSISTOR           Q 7001         B1CFGD000023         TRANSISTOR           Q 7002         B1GDCFNN0031         TRANSISTOR           Q 7003         B1CHRD000001         TRANSISTOR           R 7001         D1BA1002A023         RESISTOR, 1/16W, 10KΩ           R 7001         D1BA1002A023         RESISTOR, 1/16W, 10KΩ           R 7004         D1BA002A023
C 7002
C 7006, 7007, 7009         F1JUJ106A016         CAPACITOR, 6.3V, 10μF           C 7010, 7011         EEFCX0G151R         CAPACITOR, 2V, 150μF           C 7014         F1G1H1010005         CAPACITOR, 50V, 100pF           CN 7000         K1MY52BA0190         CONNECTOR           CN 7001         K1NA08E00007         CONNECTOR           CN 7002         K1MY14BA0101         CONNECTOR           D 7003         DEDRB081L20         DIODE           IC 7000         CODBAYY00204         IC, DC/DC CONVERTER           JK 7001, 7002, 7003, 7004, 7005, 7006         K1QZA1AE0001         CONNECTOR           JK 7001, 7002, 7003, 7004, 7005, 7006         K1QZA1AE0001         CONNECTOR           JK 7001, 7002, 7003, 7004, 7005, 7006         K1QZA1AE0001         CONNECTOR           JK 7001, 7002, 7003, 7004, 7005, 7006         K1QZA1AE0001         CONNECTOR           Q 7000         B16BCFN0042         TRANSISTOR           Q 7001         B1CFGD000023         TRANSISTOR           Q 7002         B16DCFNN0031         TRANSISTOR           Q 7003         B1CHRD000001         TRANSISTOR           R 7001         D1BA1002A023         RESISTOR, 1/16W, 10KΩ           R 7003         D1BBR0302A074         RESISTOR, 1/16W, 10KΩ           R 7004
C 7010, 7011         EEFCX0G151R         CAPACITOR, 2V, 150μF           C 7014         F1G1H1010005         CAPACITOR, 50V, 100pF           CN 7000         K1MY52BA0190         CONNECTOR           CN 7001         K1MA08E00007         CONNECTOR           CN 7002         K1MY14BA0101         CONNECTOR           D 7003         DEDRB081L20         DIODE           IC 7000         CODBAYY00204         IC, DC/DC CONVERTER           JK 7001, 7002, 7003, 7004, 7005, 7006         K1QZA1AE0001         CONNECTOR           JK 7001, 7002, 7003, 7004, 7005, 7006         K1QZA1AE0001         CONNECTOR           L 7000         G1C2R7MA0273         INDUCTOR, COIL           Q 7001         B1GBCFNN0042         TRANSISTOR           Q 7002         B1GBCFNN0031         TRANSISTOR           Q 7003         B1CHRD00001         TRANSISTOR           Q 7004         B1GDCFNN0031         TRANSISTOR           R 7000, 7002         D0GA103JA023         RESISTOR, 1/16W, 10KΩ           R 7001         D1BA1002A023         RESISTOR, 1/16W, 10KΩ           R 7003         D1BB3002A074         RESISTOR, 1/16W, 10KΩ           R 7005         D1BDR0477002         RESISTOR, 1/16W, 0.047Ω           R 7006         D1BDR04770002         RESI
C 7014
CN 7000         K1MY52BA0190         CONNECTOR           CN 7001         K1NA08E00007         CONNECTOR           CN 7002         K1MY14BA0101         CONNECTOR           D 7003         DEDRB081L20         DIODE           IC 7000         CODBAYY00204         IC, DC/DC CONVERTER           JK 7001, 7002, 7003, 7004, 7005, 7006         K1QZA1AE0001         CONNECTOR           JK 7000         G1C2R7MA0273         INDUCTOR, COIL           Q 7000         B1GBCFNN0042         TRANSISTOR           Q 7001         B1GECFN00023         TRANSISTOR           Q 7002         B1GDCFNN0031         TRANSISTOR           Q 7003         B1CHRD000001         TRANSISTOR           R 7004         D1BA1002A023         RESISTOR, 1/16W, 10KΩ           R 7001         D1BA1002A023         RESISTOR, 1/16W, 10KΩ           R 7004         D1BA1001A023         RESISTOR, 1/16W, 10KΩ           R 7004         D1BB70470002         RESISTOR, 1/16W, 10KΩ           R 7006         D1BDR0470002         RESISTOR, 1/16W, 0.033Ω           R 7007         D0GA101JA023         RESISTOR, 1/16W, 0.033Ω           R 7001, 7012         D0GA101JA023         RESISTOR, 1/16W, 100Ω           R 7011, 7012         D0GA101JA023         RESISTOR, 1/16W, 1
CN 7001
CN 7002
D 7003
IC 7000
JK 7001, 7002, 7003, 7004, 7005, 7006   K1QZA1AE0001   CONNECTOR
T005, 7006
L 7000         G1C2R7MA0273         INDUCTOR, COIL           Q 7000         B1GBCFNN0042         TRANSISTOR           Q 7001         B1CFGD000023         TRANSISTOR           Q 7002         B1GDCFNN0031         TRANSISTOR           Q 7003         B1CHRD000001         TRANSISTOR           R 7000, 7002         D0GA103JA023         RESISTOR, 1/16W, 10KΩ           R 7001         D1BA1002A023         RESISTOR, 1/16W, 10KΩ           R 7003         D1BB3002A074         RESISTOR, 1/16W, 10KΩ           R 7004         D1BA1001A023         RESISTOR, 1/16W, 1KΩ           R 7005         D1BDR0470002         RESISTOR, 1/8W, 0.047Ω           R 7008, 7013         D0GAR00J0005         RESISTOR, 1/8W, 0.033Ω           R 7011, 7012         D0GA101JA023         RESISTOR, 1/16W, 100Ω           SW 7000         K0D211A00015         DIP SWITCH           ZA 7001, 7002         K1YGZZ000060         SPACER           WWAN PCB           WWAN DUMMY PCB         K1QZA1AE0001         CONNECTOR           BIOS PCB         C 9003         F1G1C104A042         CAPACITOR, 16V, 0.1μF           C 9025         F1J0J106A016         CAPACITOR, 6.3V, 10μF
Q 7000         B1GBCFNN0042         TRANSISTOR           Q 7001         B1CFGD000023         TRANSISTOR           Q 7002         B1GDCFNN0031         TRANSISTOR           Q 7003         B1CHRD000001         TRANSISTOR           R 7000, 7002         D0GA103JA023         RESISTOR, 1/16W, 10KΩ           R 7001         D1BA1002A023         RESISTOR, 1/16W, 10KΩ           R 7003         D1BB3002A074         RESISTOR, 1/16W, 1KΩ           R 7004         D1BA1001A023         RESISTOR, 1/16W, 1KΩ           R 7005         D1BDR0470002         RESISTOR, 1/16W, 0.047Ω           R 7006         D1BDR0330001         RESISTOR, 1/8W, 0.033Ω           R 7008, 7013         D0GAR00J0005         RESISTOR, 1/16W, 0Ω           R 7011, 7012         D0GA101JA023         RESISTOR, 1/16W, 100Ω           SW 7000         K0D211A00015         DIP SWITCH           ZA 7001, 7002         K1YGZZ000060         SPACER           WWAN PCB           WWAN DUMMY PCB           BIOS PCB           C 9003         F1G1C104A042         CAPACITOR, 16V, 0.1μF           C 9025         F1J0J106A016         CAPACITOR, 6.3V, 10μF
Q 7001   B1CFGD000023   TRANSISTOR   Q 7002   B1GDCFNN0031   TRANSISTOR   Q 7003   B1CHRD000001   TRANSISTOR   R 7000, 7002   D0GA103JA023   RESISTOR, 1/16W, 10KΩ   R 7001   D1BA1002A023   RESISTOR, 1/16W, 10KΩ   R 7003   D1BB3002A074   RESISTOR, 1/10W, 30KΩ   R 7004   D1BA1001A023   RESISTOR, 1/16W, 1KΩ   R 7005   D1BA00470002   RESISTOR, 1/16W, 0.047Ω   R 7006   D1BDR0330001   RESISTOR, 1/8W, 0.033Ω   R 7008, 7013   D0GAR00J0005   RESISTOR, 1/16W, 0Ω   R 7011, 7012   D0GA101JA023   RESISTOR, 1/16W, 100Ω   R 7011, 7012   D0GA101JA023   RESISTOR, 1/16W, 100Ω   R 7001, 7002   K1YGZZ000060   SPACER   WWAN PCB   WLAN DUMMY PCB   WLAN DUMMY PCB   BIOS PCB   C 9003   F1G1C104A042   CAPACITOR, 16V, 0.1µF   C 9025   F1J0J106A016   CAPACITOR, 6.3V, 10µF
Q 7002         B1GDCFNN0031         TRANSISTOR           Q 7003         B1CHRD000001         TRANSISTOR           R 7000, 7002         D0GA103JA023         RESISTOR, 1/16W, 10KΩ           R 7001         D1BA1002A023         RESISTOR, 1/16W, 10KΩ           R 7003         D1BB3002A074         RESISTOR, 1/10W, 30KΩ           R 7004         D1BA1001A023         RESISTOR, 1/16W, 1KΩ           R 7005         D1BDR0470002         RESISTOR, 1/8W, 0.047Ω           R 7006         D1BDR0330001         RESISTOR, 1/16W, 0.033Ω           R 7008, 7013         D0GAR00J0005         RESISTOR, 1/16W, 0.0           R 7011, 7012         D0GA101JA023         RESISTOR, 1/16W, 100Ω           SW 7000         K0D211A00015         DIP SWITCH           ZA 7001, 7002         K1YGZZ000060         SPACER           WWAN PCB           WLAN DUMMY PCB         IMAGENTAL SECTION (16V, 0.1µF           BIOS PCB           C 9003         F1G1C104A042         CAPACITOR, 16V, 0.1µF           C 9025         F1J0J106A016         CAPACITOR, 6.3V, 10µF
Q 7003   B1CHRD000001   TRANSISTOR   R 7000, 7002   D0GA103JA023   RESISTOR, 1/16W, 10KΩ   R 7001   D1BA1002A023   RESISTOR, 1/16W, 10KΩ   R 7003   D1BB3002A074   RESISTOR, 1/10W, 30KΩ   R 7004   D1BA1001A023   RESISTOR, 1/16W, 1KΩ   R 7005   D1BDR0470002   RESISTOR, 1/8W, 0.047Ω   R 7006   D1BDR0330001   RESISTOR, 1/8W, 0.033Ω   R 7008, 7013   D0GAR00J0005   RESISTOR, 1/16W, 0Ω   R 7011, 7012   D0GA10JA023   RESISTOR, 1/16W, 100Ω   R 7001, 7002   K0D211A00015   DIP SWITCH   DIP SWITCH   DIP SWITCH   SWAN PCB   DIP SWITCH   DIP S
R 7000, 7002   D0GA103JA023   RESISTOR, 1/16W, 10KΩ     R 7001   D1BA1002A023   RESISTOR, 1/16W, 10KΩ     R 7003   D1BB3002A074   RESISTOR, 1/10W, 30KΩ     R 7004   D1BA1001A023   RESISTOR, 1/16W, 1KΩ     R 7005   D1BDR0470002   RESISTOR, 1/16W, 0.047Ω     R 7006   D1BDR0330001   RESISTOR, 1/8W, 0.033Ω     R 7008, 7013   D0GAR00J0005   RESISTOR, 1/16W, 0Ω     R 7011, 7012   D0GA101JA023   RESISTOR, 1/16W, 100Ω     SW 7000   K0D211A00015   DIP SWITCH     ZA 7001, 7002   K1YGZZ000060   SPACER     WWAN PCB     WLAN DUMMY PCB     JK 8001, 8002   K1QZA1AE0001   CONNECTOR     WWAN DUMMY PCB     BIOS PCB     C 9003   F1G1C104A042   CAPACITOR, 16V, 0.1μF     C 9025   F1J0J106A016   CAPACITOR, 6.3V, 10μF     C 9025   F1J0J106A016   CAPACITOR, 6.3V, 10μF     C 9025   C 9025   CAPACITOR, 6.3V, 10μF     C 9025   C 9025   C 9025   C 9025   C 9025     C 9025   C 9025   C 9025   C 9025     C 9025   C 9025   C 9025   C 9025     C 9025   C 9025   C 9025   C 9025     C 9025   C 9025   C 9025   C 9025     C 9025   C 9025   C 9025     C 9025   C 9025   C 9025     C 9025   C 9025   C 9025     C 9025   C 9025   C 9025     C 9025   C 9025   C 9025     C 9025   C 9025   C 9025     C 9025   C 9025   C 9025     C 9025   C 9025   C 9025     C 90
R 7001
R 7001
R 7003
R 7004
R 7005
R 7006 D1BDR0330001 RESISTOR, 1/8W, 0.033Ω R 7008, 7013 D0GAR00J0005 RESISTOR, 1/16W, 0Ω R 7011, 7012 D0GA101JA023 RESISTOR, 1/16W, 100Ω SW 7000 K0D211A00015 DIP SWITCH ZA 7001, 7002 K1YGZZ000060 SPACER  WWAN PCB  WLAN DUMMY PCB JK 8001, 8002 K1QZA1AE0001 CONNECTOR  WWAN DUMMY PCB  BIOS PCB  C 9003 F1G1C104A042 CAPACITOR, 16V, 0.1μF C 9025 F1J0J106A016 CAPACITOR, 6.3V, 10μF
R 7008, 7013 D0GAR00J0005 RESISTOR, 1/16W, 0Ω R 7011, 7012 D0GA101JA023 RESISTOR, 1/16W, 100Ω SW 7000 K0D211A00015 DIP SWITCH ZA 7001, 7002 K1YGZZ000060 SPACER  WWAN PCB  WLAN DUMMY PCB JK 8001, 8002 K1QZA1AE0001 CONNECTOR  WWAN DUMMY PCB  BIOS PCB C 9003 F1G1C104A042 CAPACITOR, 16V, 0.1μF C 9025 F1J0J106A016 CAPACITOR, 6.3V, 10μF
R 7011, 7012 D0GA101JA023 RESISTOR, 1/16W, 100Ω SW 7000 K0D211A00015 DIP SWITCH ZA 7001, 7002 K1YGZZ000060 SPACER  WWAN PCB  WLAN DUMMY PCB  JK 8001, 8002 K1QZA1AE0001 CONNECTOR  WWAN DUMMY PCB  BIOS PCB  C 9003 F1G1C104A042 CAPACITOR, 16V, 0.1μF  C 9025 F1J0J106A016 CAPACITOR, 6.3V, 10μF
SW 7000
ZA 7001, 7002 K1YGZZ000060 SPACER  WWAN PCB  WLAN DUMMY PCB  JK 8001, 8002 K1QZA1AE0001 CONNECTOR  WWAN DUMMY PCB  BIOS PCB  C 9003 F1G1C104A042 CAPACITOR, 16V, 0.1μF  C 9025 F1J0J106A016 CAPACITOR, 6.3V, 10μF
WWAN PCB  WLAN DUMMY PCB  JK 8001, 8002 K1QZA1AE0001 CONNECTOR  WWAN DUMMY PCB  BIOS PCB  C 9003 F1G1C104A042 CAPACITOR, 16V, 0.1µF  C 9025 F1J0J106A016 CAPACITOR, 6.3V, 10µF
WLAN DUMMY PCB  JK 8001, 8002 K1QZA1AE0001 CONNECTOR  WWAN DUMMY PCB  BIOS PCB  C 9003 F1G1C104A042 CAPACITOR, 16V, 0.1μF  C 9025 F1J0J106A016 CAPACITOR, 6.3V, 10μF
JK 8001, 8002 K1QZA1AE0001 CONNECTOR  WWAN DUMMY PCB  BIOS PCB  C 9003 F1G1C104A042 CAPACITOR, 16V, 0.1μF  C 9025 F1J0J106A016 CAPACITOR, 6.3V, 10μF
JK 8001, 8002 K1QZA1AE0001 CONNECTOR  WWAN DUMMY PCB  BIOS PCB  C 9003 F1G1C104A042 CAPACITOR, 16V, 0.1μF  C 9025 F1J0J106A016 CAPACITOR, 6.3V, 10μF
WWAN DUMMY PCB  BIOS PCB  C 9003 F1G1C104A042 CAPACITOR, 16V, 0.1μF  C 9025 F1J0J106A016 CAPACITOR, 6.3V, 10μF
BIOS PCB         F1G1C104A042         CAPACITOR, 16V, 0.1μF           C 9003         F1J0J106A016         CAPACITOR, 6.3V, 10μF
C 9003 F1G1C104A042 CAPACITOR, 16V, 0.1μF C 9025 F1J0J106A016 CAPACITOR, 6.3V, 10μF
C 9003 F1G1C104A042 CAPACITOR, 16V, 0.1μF C 9025 F1J0J106A016 CAPACITOR, 6.3V, 10μF
C 9003 F1G1C104A042 CAPACITOR, 16V, 0.1μF C 9025 F1J0J106A016 CAPACITOR, 6.3V, 10μF
C 9025 F1J0J106A016 CAPACITOR, 6.3V, 10µF
IC 9001 C3FBLY000041 FLASH MEMORY
R 9004, 9020 D0GA103JA023 RESISTOR, 1/16W, 10KΩ
R 9022 D1H83304A024 RESISTOR ARRAY
BT PCB
C 5000 F1J0J1060004 CAPACITOR, 6.3V, 10µF
C 5001, 5006, 5009 F1G1C104A042 CAPACITOR, 16V, 0.1µF
C 5002, 5004 F1G1H102A496 CAPACITOR, 50V, 1000pF
C 5005, 5008 F1G1E103A062 CAPACITOR, 25V, 0.01µF
C 5007 F1G1H220A542 CAPACITOR, 50V, 22pF
C 5010 F1G1HR50A543 CAPACITOR, 50V, 0.5pF
CN 5000 K1KA10BA0014 CONNECTOR
IC 5000, 5003
IC 5001 N5HZZ000056 BLUETOOTH MODULE
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IC 5002
IC 5002

L 5001	J0JJC0000021	INDUCTOR	1
L 5003	G1C6N8JA0024	CHIP INDUCTOR	1
Q 5000	B1GBCFNN0042	TRANSISTOR	1
Q 5001	B1DHDC000028	TRANSISTOR	1
R 5000, 5001	D0GA104JA023	RESISTOR, 1/16W, 100KΩ	2
R 5002	D0GAR00J0005	RESISTOR, 1/16W, 0Ω	1