Disassembly and repairs

Display P27-8 TS UHD

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Category	Disassembly and repairs

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Disassembly and Repair

We recommend printing out the relevant sections of this chapter prior to installation as the device for installing/removing hardware components needs to be switched off.

In order to repair the display, please follow the disassembly instructions to remove the defect part, replace it with spare part, then follow the instructions in reverse order.

If you have received any further documents with your device, you should read these through carefully.

Please note the following instructions before installing/removing system components:

- The device must be switched off when installing/removing components and it must not be in power-saving mode.
- Disconnect the mains plug before opening the device.
- After unplugging the mains plug, discharge the remaining voltage by pressing the activation button.
- Remove all externally connected cables.
- Take care not to pinch any cables when installing/removing components.
- Please ensure that the installed components that might heat up intensely during operation do not exceed the permitted operating temperature.

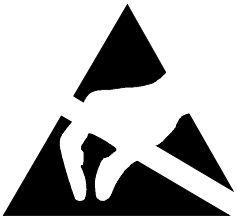
Information on the installation and removal of components

Please pay attention to the locking mechanism (indentations and centring pins) when installing hardware components.

Note that some components on the mainboard may be very hot if the device was in use shortly before the case was removed.

Utmost care is required during installation and removal to avoid damaging components.

Never use items with sharp edges (screwdrivers) to lever them out.



Parts with Electrostatic Sensitive Devices (ESD) can be identified by a corresponding label.
When dealing with boards with ESDs, the following points must always be observed:

- Always ensure there is a static discharge (e.g. by touching a grounded object) prior to commencing with the work.
- The devices and tools being used must not be statically charged.
- Only touch the components along the edges or on the areas marked in green (contact points).
- Contacts and electronic components must not touch when handling components equipped with ESD protection.

Tools



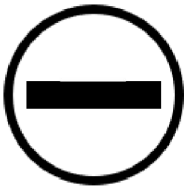
Screwdriver: Pozidriv PZ 2



Screwdriver: Phillips PH 1

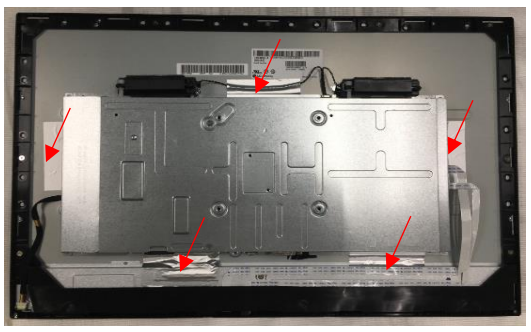
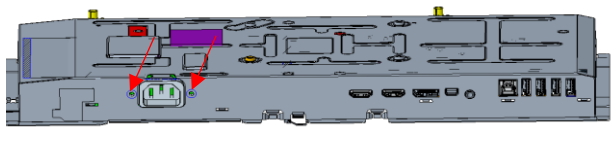


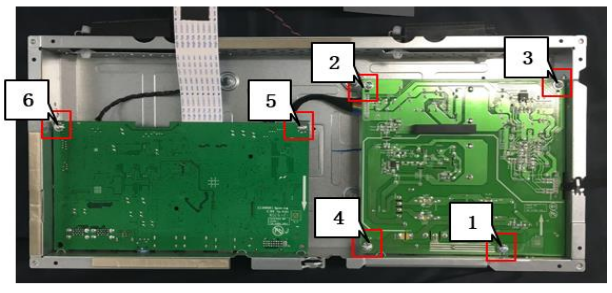
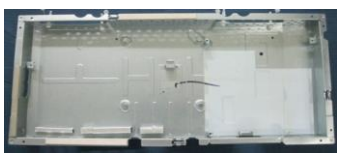
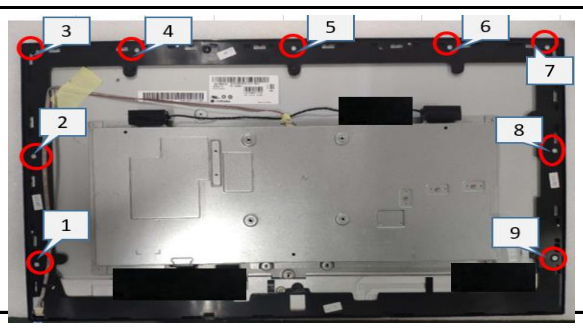
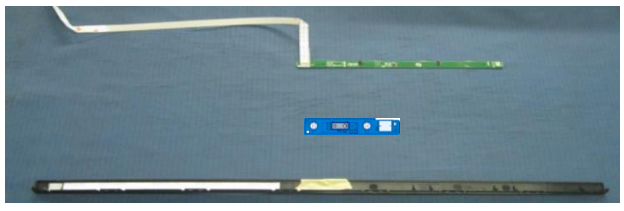
Hexagon Screwdriver size 5



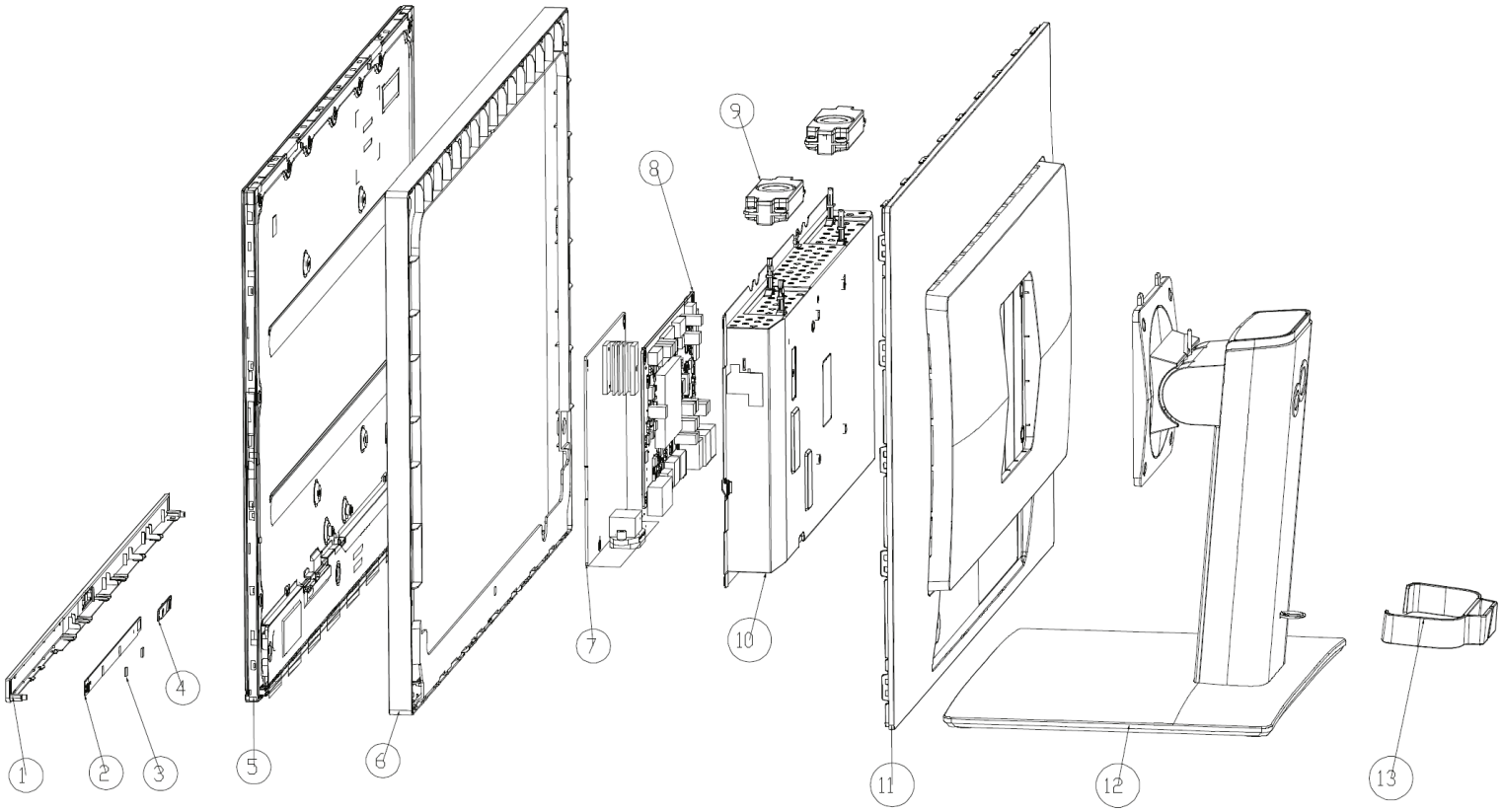
Flat Head Screwdriver Size 7

Disassembly Instruction

Step	Figure	Description
Preparation		The Monitor.
Remove the Stand		Remove the 4pcs wallmount screws.
Open the rear cover		1. Insert the slotted point screwdriver into the two diassemble holes on the bottom side and pry up the rear cover.
		2. Open the rear cover
Separate the chassis with panel		1. Remove the 4pcs aluminum foil and 1pcs conductive cloth.
		2. Remove the LVDS, light bar and key cable plugs
		1. Remove the two AC adapter screws.

		2. Remove the 5PCS power and intereface board screws.
	 	3. Separate the chassis and PCB board.
Remove the middle frame		Remove the 9pcs middle frame screws
Separate the front chin		Separate the front chin from the middle frame
Separate the front chin, touch key board and sensor board		Separate the front chin, touch key board and sensor board

Monitor Exploded Drawing



Item	Part Name	P/N
1	Front chin	760.A1M01.0041
2	Function Key BD	/
3	Mylar	740.A1M03.0001
4	Sensor BD	/
5	Panel	/
6	Mid Frame	760.A1M02.0011
7	Power BD	/
8	Interface BD	/
9	Speaker	/
10	Bracket	760.A1M04.0011
11	Rear Cover	760.A1M03.0021
12	Stand	760.A1M05.0001
13	Cable Holder	760.A1M07.0001

Replaceable Components and Services

Spare parts						
Pos.	**Spare part**	**Material number**	**Parts that can be replaced by customer**	**Parts that can be replaced by service team**	**Replaceable**	**Repairable**
1	Power supply	Obtained at service partner		x		
2	Display Panel	Obtained at service partner		x		
3	Main Board	Obtained at service partner		x		
4	DisplayPort cable	38059292	x		x	
5	USB-C to USB-C cable	38049674	x		x	
6	USB-A to USB-B cable	38045065	x		x	
7	Power cable	84003355	x		x	

Remark: Not all cables may have been supplied with your device when purchasing it. Material numbers may change after time. For actual order codes and in order to obtain spare parts please contact your local dealer or service partner.

Services and conditions	
Warranty period	3 years (depending on country)
Warranty terms & conditions	http://www.fujitsu.com/warranty
Spare parts availability	7 years after end of product life
How to obtain spare parts	https://docs.ts.fujitsu.com/dl.aspx?id=3e31d2de-d35f-4163-80ee-329dae20b6b7
Product related services – Comprehensive offerings at a glance	https://docs.ts.fujitsu.com/dl.aspx?id=aae0a6a3-5b6e-4f82-99d7-6956055e4312
Fujitsu product support hardware	https://www.fujitsu.com/emeia/products/product-support-services/hardware-maintenance
Fujitsu Troubleshooting and Support	https://support.ts.fujitsu.com/Index.asp?lng=COM

Disposal information for recycling companies

These instructions are used for the complete dismantling of a Fujitsu product. All materials can thereby be disposed of according to their provision in the EC directive 2012/19/EC (Waste Electrical and Electronic Equipment (WEEE)).

Product group: Display

Materials which must be disposed of in a special manner		
Designation	**Remarks**	**Quantity**
Printed circuit boards With a surface area greater than 10 cm²	Mainboard Power board PCB inside LCD panel Key and sensor board Side USB PCB board	1 1 1 1 0
Batteries	Not contained	0
Components containing mercury	Not contained	0
Liquid crystal displays (if applicable, together with the casing) with a surface area greater than 100 square centimetres and backlit displays with gas discharge lamps	> 100cm2 display: Yes, for its Display Gas discharge lamps: No	1 0
Cathode ray tubes	Not contained	0
Capacitors containing PCBs (PolyChlorinated Biphenyls)	Not contained	0
Electrolytic capacitors which contain critical substances (height > 25 mm; diameter: > 25 mm or proportional similar volumes).	Not contained	0
External electrical cables	AC adapter cable, if present	1
Gas discharge lamps	Not contained	0
Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC) or hydrofluorocarbons (HFC), hydrocarbons (HC)	Not contained	0

Materials which must be disposed of in a special manner		
Designation	**Remarks**	**Quantity**
Plastics which contain brominated flame retardant	This product may contain plastic components containing brominated flame retardants. To the best of our knowledge, we provide this information for sorting them out. The position of the plastic components can be visually identified by their typical design function on the product (as shown in the disassembly manual). Many of these components (> 25 g) are bromine-free. Irrespective of this, these components are marked in accordance with ISO 11469 (usually marked directly on the plastic). A typical marking looks like this: > Polymer abbreviation - FR(xx) < i.e. > PC+ABS FR (40) < Code numbers for flame retardants (FR(xx)) can be found in ISO 1043-4. Codes for some brominated flame retardants: 14 Aliphatic/alicyclic brominated compounds 15 Aliphatic/alicyclic brominated compounds with antimony compounds 16 Aromatic brominated compounds (excluding brominated diphenyl ether and biphenyl) 17 Aromatic brominated compounds (other than brominated diphenyl ether and biphenyl) containing antimony compounds 22 Aliphatic/alicyclic chlorinated and brominated compounds 42 Brominated organic phosphorus compounds Plastic components weighing less than 25 grams may contain brominated flame retardants. These smaller plastic components are located inside of the display product. These include, above all: Components on PCBs, cables, LCD panel and speakers. The location of theses parts can be seen in the exploded drawing and on the photos above in the disassembly description.	
Toner cartridges, liquid and paste-like, and colour toner	Not contained	0
Asbestos waste and components which contain asbestos	Not contained	0
Components which contain fire-proof ceramic fibres	Not contained	0
Components which contain radioactive substances	Not contained	0
Mass storage device(s)		
Does the product contain mass storage devices? If so, is any of them soldered to a circuit board?	Not contained	0
Required tools		
See page 4 of this instruction		