Important Safety Notice

General Notice

- Repair must be performed by professional service technicians in a EIZO-authorized repair center
- Only trained service personnel who are familiar with this EIZO product should perform for it.
- Service personnel should have prior repair knowledge and experience as well as appropriate training for the product before performing service procedures.
- EIZO products contain high voltage circuit. Only experienced service personnel should perform repairs or service work on high voltage monitors. When the cabinet of product is removed and the product is operating, there is a risk of an electric shock hazard.
- Unplug the power cord before servicing.

  Operation of the product with the cabinet removed involves a shock hazard or may result in a damage of the circuit. Ensure the power cord is disconnected before removing the cabinet and replacing any parts in the unit.
- Connect the earth lead of the power cord with the ground.

  Securely connect the earth lead of the power cord of the products and the measuring equipment. There is a risk of the electric shock hazard or damage.
- Always use approved tools and test equipment for servicing.
- DO NOT wear any metal or accessories. There is a risk of an electric shock.
- Perform the inspection of the measuring equipment before service work.
- Before starting daily service work, perform the inspection of the measuring equipment and record its results.
- This document is a typical dis/assembly procedure. Monitor construction may slightly differ for each model.

Servicing Environmental conditions

- Working environment

  The repair work must be carried out indoor where air or temperature is controlled to meet the following temperature and humidity range;

  Temperature: 25+/-10 degree

  Humidity: 30 - 80% RH
- Wear for Servicing
  - Wrist strap (Recommended resistance value: 5×105 -1×107 Ω)

    When using a wrist strap without resistance, there is a risk of an electric shock.
  - Conductive shoes (Recommended resistance value: 1×105 - 1×108 Ω)
  - Anti-static wear

INFECTION PREVENTION

- Adopt measures against the infection by cleaning and sterilization before starting the repair if the product returned or may be returned from the medical facilities.

Before Disassembling

- Unplug the power cord before servicing. The conductive area may become high voltage which may cause an electric shock or other hazardous danger.
- DO NOT touch the sharp edge of the chassis. It can result in injury.
- DO NOT hurt the surface of the LCD panel. It can cause a damage to the LCD panel or result in injury.
- DO NOT touch the high voltage part that exposed inside of monitor by mistake. If carelessly touched, it may result in damage to the circuit or may cause an electric shock.
- DO NOT change the original design of the product. This will cause smoke, electric shock or damage to the circuit.
- DO NOT short any portion of circuit while the product is in operation. This will cause smoke, electric shock or damage to the transistors, ICs or other parts or circuit in the unit.
- When handling harness components, handle them with care to avoid touching the metal parts at both ends with your hands. There is the possibility that the corrosion of copper parts occurs, and it might cause the disconnection or short-out.
- Handling the PCB unit with care.
  - When handling PCB unit (ASSY PCB), make sure to use the wrist strap or handle PCB unit on the area that measures against the static electricity.
  - DO NOT put much stress (not to crush or not to bend it) on if there are any components or the earth spring etc. that mounted on the back side of PCB when handling PCB.
- Handling the LCD panel, with care.
  - When replacing the LCD panel, make sure to implement the anti-static measures enough.
  - DO NOT put stress on the display surface when handling. There is the possibility that it causes a tiny bright dot and a pressure mura.
  - Handle with care without putting stress on the display surface when handling, keeping, and transporting. Especially, the frameless model, there is the possibility that it causes the line defect.
  - Handle the curved panel with the utmost of care. There is possibility that it causes the crack by putting stress on the display surface.

Safety test

The following test should be carried out;

Important Note:

If it becomes necessary to make any additional change to the monitor after safety test or the device has to be reopened, the entire safety test must be repeated.

- Earth Continuity Test (Low resistance test)

  This test is performed by measuring the resistance between the third pin (ground) and outside metal body of the product under test. The maximum acceptable value is generally 0.5 ohms although certain standards may specify 0.1 ohms.

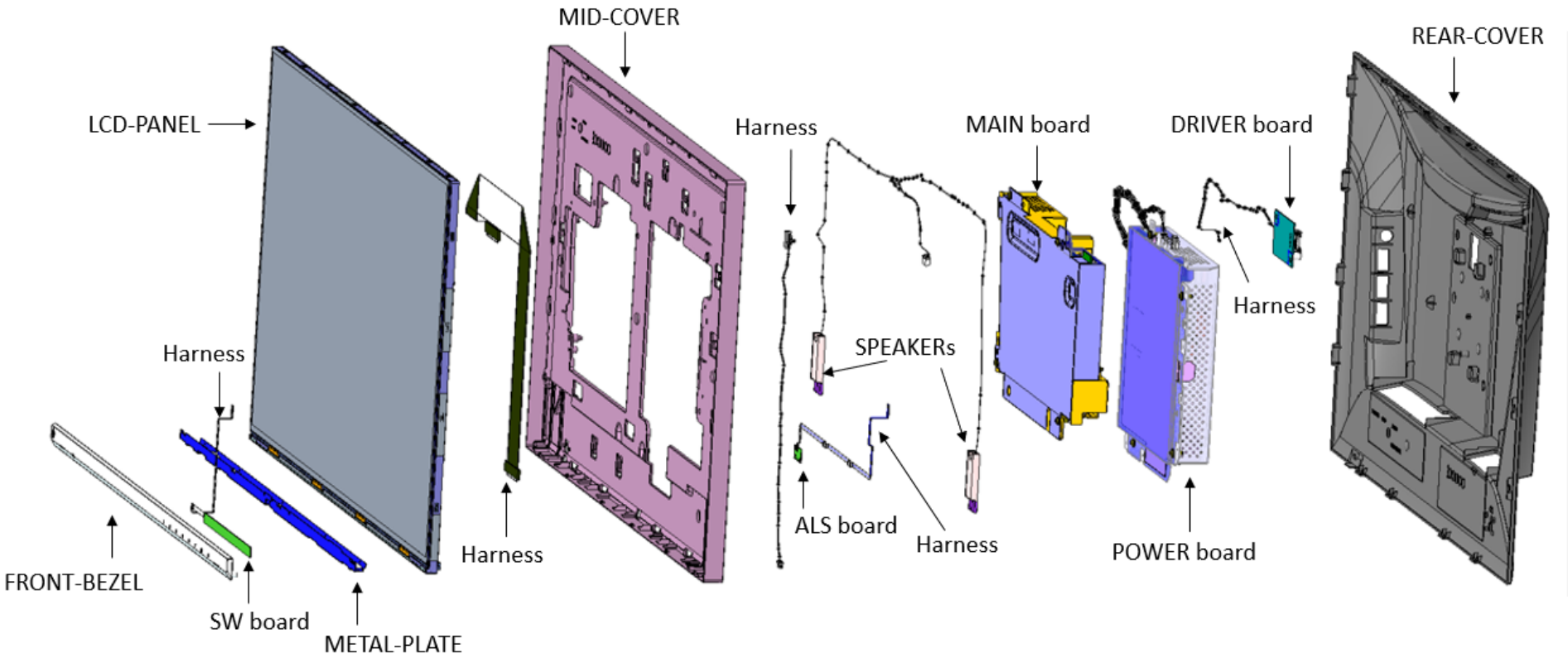
  This test is generally carried out at a slightly higher current (e.g. 25–60 A) so that the ground bond circuit maintains safe voltages on the chassis of the product, even at a high current, before the circuit breaker trips.

  This test is essential so that the product does not cause an electric shock resulting from insulation failure.

- Withstand Voltage Test

  This test is carried out by applying a significantly higher than operating voltage to the device under test. In this test, the insulation of a product, stressed to a greater extent than under normal operating conditions, should not be breached for the product to pass.

Exploded view diagram with list of items



Disassembly Procedures (3 sided frameless)

This document is a typical dis/assembly procedure.
Monitor construction may slightly differ for each model.

1. Place the monitor on a conductive mat and a soft cloth or cushion, with the screen surface to the bottom.
2. Remove STAND by pushing the button and sliding STAND to downside.
3. Remove screws on REAR-COVER.
4. Use the plastic spatula and unhook REAR-COVER to take out REAR-COVER.
5. Disconnect harnesses from connectors on DREIVER board.
6. Remove screws on DRIVER board to take out DRIVER board.
7. Disconnect harnesses from connectors on PCB board.
8. Remove screws on PCB board to take out PCB board.
9. Remove screws on METAL-COVER to take out METAL-COVER.
10. Disconnect harnesses from connectors on MAIN board.
11. Remove screws on MAIN board to take out MAIN board.
12. Remove SHEET from ALS board.
13. Take out ALS board from MID-COVER.
14. Disconnect harnesses from connectors on ALS board.
15. Remove screws on SPEAKERs to take out SPEAKERs.
16. Remove SHEETs.
17. Remove harnesses from hooks.
18. Remove screws on MID-COVER to take out MID-COVER.
19. Remove SHEETs on LCD-PANEL.
20. Take out FRONT-BEZEL from LCD-PANEL.
21. Unhook tabs and take out METAL-PLATE from FRONT-BEZEL.
22. Disconnect harnesses from connectors on SW board.
23. Remove SHEETs from SW board and take out SW board that is fixed to FRONT-BEZEL with double-sided tape.
24. Disconnect harnesses from connectors and remove TAPEs from LCD-PANEL.