

---

## 5 Disassembly and Reassembly

---

This section of the service manual describes the disassembly and reassembly procedures for the SyncMaster 320TFT/520TFT monitors.

**WARNING:** This monitor contains electrostatically sensitive devices. Use caution when handling these components.

### 5-1 Disassembly

---

- Cautions:**
1. Disconnect the monitor from the power source before disassembly.
  2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.

#### 5-1-1 Removing the Stand

1. Remove 2 hinge caps on the Rear Cover.
2. Remove 4 screws in the hinge area.

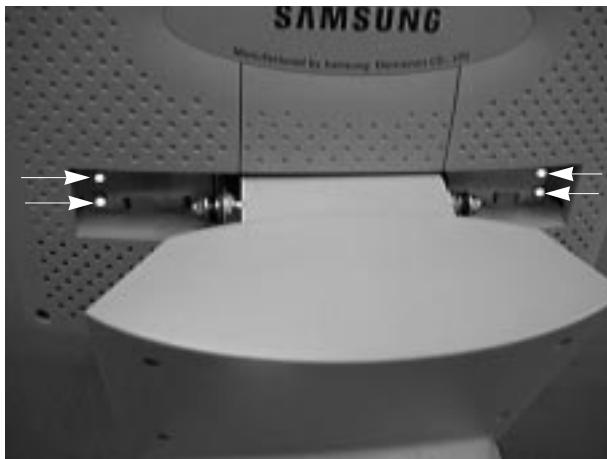


Figure 5-1

3. Push the Stand to the left and remove the Stand from Body (Front).
4. Remove the Cover Signal.



Figure 5-2

5. Disconnect Power Cord and Signal Cable.

#### 5-1-2 Front Cover Disassembly

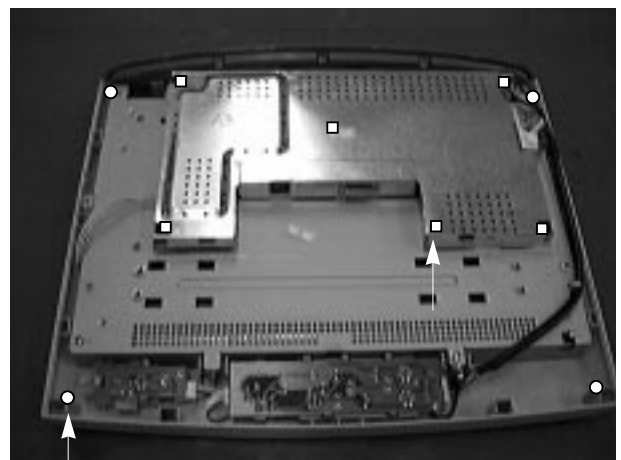


Figure 5-3

1. Remove the 4 screws on Rear Cover. (Point ; ○ )
2. Remove Rear Cover from Front Cover.
3. Remove 6 Main PCB screws on Rear Panel Bracket. (Point ; □ )
4. Disconnect Main PCB, Inverter wire, Function wire and Interface wire.
5. Remove Main PCB Assembly.

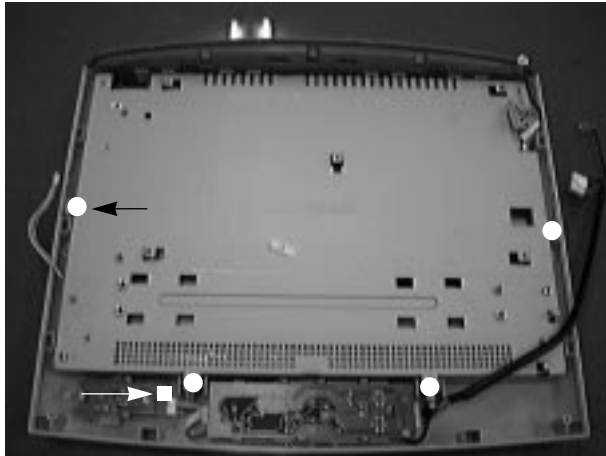


Figure 5-4

6. Remove 4 screws on the Rear Panel Bracket. (15" : 6 screws)- Point; ○
7. Remove Bracket Panel from Front Cover.
8. Remove 1 screw on the Power PCB. (Point; □)
9. Remove Function PCB from locking area of Function Knob.



Figure 5-5

10. Remove 4 screws on the Front Bracket Panel.
11. Remove Front Bracket Panel.
12. Disconnect jack between Panel and Inverter PCB.
13. Remove Rear Bracket Panel.

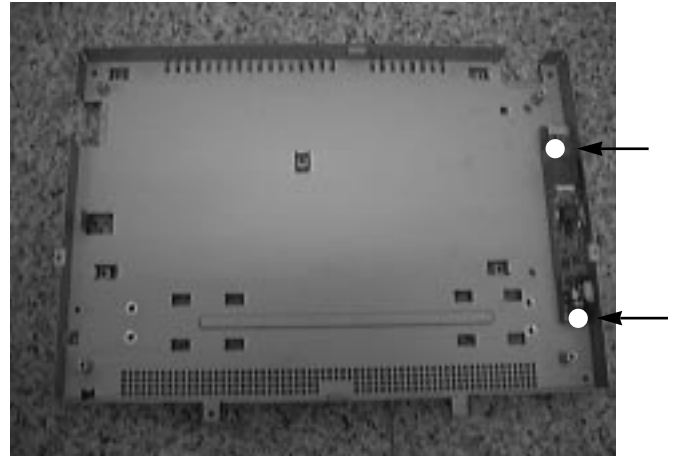


Figure 5-6

14. Remove 2 connecting screws between Rear Bracket and Inverter PCB.
15. Remove Interface wire on the Rear side of Panel.

### 5-1-3 Stand Disassembly

1. Stand the stand assembly with the base close to you.



Figure 5-7

2. Remove the 4 screws on the back cover of the stand and remove it.
3. Stand the stand assembly upside down.

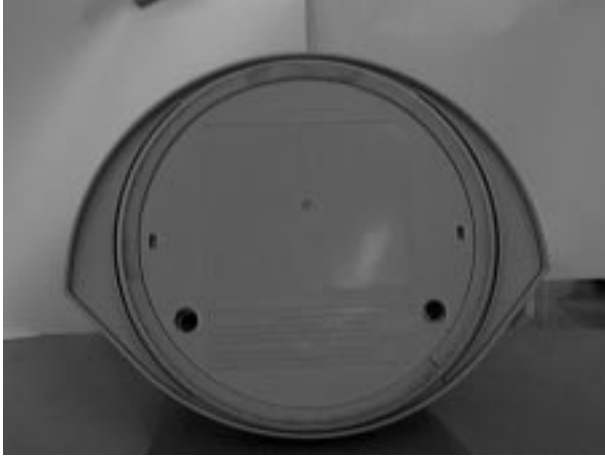


Figure 5-8

4. Rotate the stand base smoothly so that 2 screw holes match with the stand base and remove the 2 screws.
5. Remove the Back Cover of the Stand Front assembly.



Figure 5-9

6. Disconnect CN804, CN806, CN814, CN815, CN816 and CN805.
7. Remove the one screw of signal cable on the stand base.
8. Lift off the back side of the stand front assembly and pull it toward the stand base.

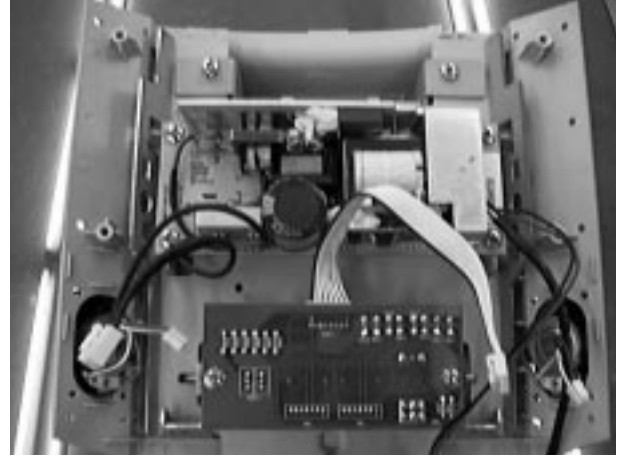


Figure 5-10

9. Remove the 4 screws on the SMPS PCB and remove it.
10. Remove the 2 screws on the Audio Function PCB and remove it.

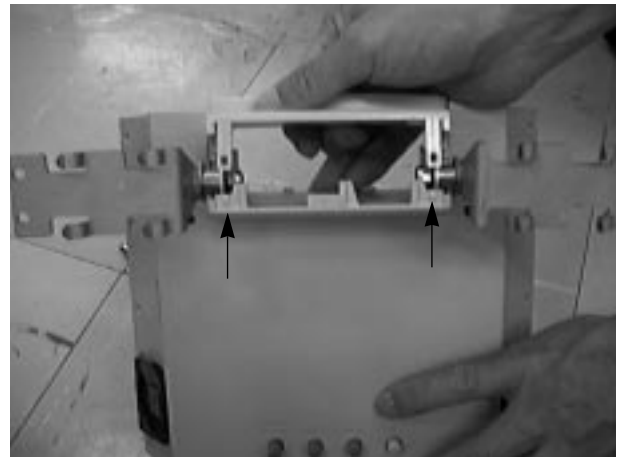


Figure 5-11

11. Pull the tabs of Cover Hinge outward and lift off the Cover Hinge from the Stand Front assembly.
12. Remove the 4 screws on the Hinge assembly and remove it and signal cable.
13. Remove the 2 screws on the Audio PCB of stand base and remove it.

## **5-2 Replacement Order of Lamp Assemblies (13.3")**

---

1. Disconnect lamp lead-connector from the inverter.

\* Replacement of lamp assemblies should be done at the power off state and recommended clean bench condition.

2. Remove a screw which is used to hold a lamp assembly on.

3. Replace lamp assemblies.
4. Assemble new lamp assembly according to the counter order.

### 5-3 Replacement Order of Lamp Assemblies (15")

---

1. Disconnect lamp lead-connectors from the inverter.  
(2EA)

\* Replacement of lamp assemblies should be done at the power off state and recommended clean bench condition.

2. Remove 2 screws which are used to hold the lamp assemblies on.

3. Replace 2 lamp assemblies.
4. Assemble new lamp assemblies according to the counter order.

## **5-4 Reassembly**

---

Reassembly procedures are in the reverse order of Disassembly procedures.