

SAMSUNG

DIGITAL LASER MFP SCX-5X30 Series SCX-5330N/XBH

Basic Model : SCX-5530FN

SERVICE *Manual*

DIGITAL LASER PRINT



The keynote of Product

[Key Features]

- 28 ppm Print speed/20 cpm Copy Speed
(Printing Speed: A4/28ppm, Letter/30ppm)
- 1200 dpi Print Resolution (Addressable)
- PCL6, PS3(SCX-5530FN)
- CPU: Chorusm
- Network Solution: Scan-to-Email, Scan-to-SMB,
Scan-to-FTP
- 64MB System Memory/32MB DIMM(5530FN)
- 50 ADF / MP 50 Sheet
- 250 sh Paper Input / 150 sh Paper Output
- 33.6 Kbps Fax Modem (5530FN only)
- Duplex Print (5530FN only)
- Direct USB Connectivity 2nd Version
(PDF Direct Printing) (5530FN only)
- Small Foot Print
- Toner: 4K(Initial)/ 8K(sales)

www.tonerplus.com.ua





ELECTRONICS

* This service manual is a property of Samsung Electronics Co., Ltd.
Any unauthorized use of Manual can be punished under applicable
international and/or domestic law.

© Samsung Electronics Co., Ltd. February. 2006
Printed in Korea.

VERSION NO. : 1.01

CODE : JC-0157J

www.tonerplus.com.ua



Contents

1. Precautions

1.1 Safety Warning	1-1
1.2 Caution for safety	1-2
1.3 ESD Precautions	1-5
1.4 Super Capacitor or Lithium Battery Precautions	1-5

2. Product Specification

2.1 Product Overview	2-1
2.2 Product General Specifications	2-2
2.3 Model Comparison Table	2-7
2.4 ACCESSROY	2-7
2.5 Options	2-8

3. System Overview

3.1 System Construction	3-1
3.2 Mechanical Parts Specifications	3-8
3.3 Engine F/W	3-31
3.4 S/W Descriptions	3-34

4. Alignment and Adjustments

4.1 Paper path	4-1
4.2 Clearing Paper Jams	4-2
4.3 User Mode	4-8
4.4 Tech Mode	4-14
4.5 Identify Sale Date	4-23
4.6 Consumables and Replacement Parts	4-24
4.7 Abnormal Image Printing and Defective Roller	4-25
4.8 Display LED and Error Messages	4-26

Continued

5. Disassembly and Reassembly

5.1 General Precautions on Disassembly	5-1
5.2 Disassembly and Reassembly	5-2

6. Troubleshooting

6.1 Procedure of Checking the Symptoms	6-1
6.2 Paper Feeding Problems	6-2
6.3 Printing Problems (malfunction)	6-6
6.4 Printing Quality Problems	6-12
6.5 Fax & Phone Problems	6-19
6.6 Copy Problems	6-23
6.7 Scanning Problems	6-25
6.8 Toner Cartridge Service	6-26
6.9 Network Problems Troubleshooting	6-30

7. Exploded Views & Parts List

7.1 Main Exploded Views	7-2
7.2 Cover Ass'y	7-4
7.3 Middle Cover Ass'y	7-6
7.4 Front Cover Ass'y	7-8
7.5 Rear Cover Ass'y	7-10
7.6 Frame Assembly	7-12
7.7 Fuser Drive Ass'y	7-16
7.8 Main Drive Ass'y	7-18
7.9 MP Ass'y	7-20
7.10 Scan Ass'y	7-22
7.11 Platen Ass'y	7-24
7.12 Cover Platen Ass'y	7-26

Continued

7.14 OPE Unit	7-31
7.15 Cassette Ass'y	7-33
7.16 Fuser Ass'y	7-35
7.17 Duplex Unit(Optional)	7-37

8. Block diagram

9. Connection Diagram

10. Schematic Diagram

10.1 Schematic Main	10-1
10.2 DIMM board	10-16
10.3 CRUM board	10-18
10.4 OPE_3in1	10-19
OPE_4in1	10-20
10.5 HVPS	10-21
10.6 SMPS_V1	10-24
SMPS_V2	10-25
10.7 SCF	10-26
10.8 ADF PBA	10-28
10.9 Modem	10-29
10.10 Connection	10-33
10.11 Terminal	10-34

11. Power Signal

11.1 Main Board Power signal	11-1
11.2 OPE / ADF Power signal	11-2
11.3 HVPS / Voltage map	11-3

Continued

12. Reference Information

12.1 Tool for Troubleshooting	12-1
12.2 Acronyms and Abbreviations	12-2
12.3 The Sample Pattern for the Test	12-3
12.4 Wireless LAN	12-4