

LASER PRINTER SERVICE MANUAL

MODEL:HL-1260e/1660

CONTENTS

СН	APTER I GENERAL	
1.	FEATURES	
2.	SPECIFICATIONS	I-1
3.	SAFETY INFORMATION	1-6
٥.	3.1 Laser Safety (110 - 120V Model only)	
	3.2 CDRH Regulations (110 - 120V Model only)	
	3.3 Additional Information	
4.	PARTS OF THE PRINTER	Refer to HL-1260 (P.I-8)
	4.1 External Views	Refer to HL-1260 (P.I-8)
	4.2 Cross Sectional View	
5 .	STORAGE AND HANDLING OF EP-ED CARTRIDGES	Refer to HL-1260 (P.I-10)
	5.1 Storage of Sealed EP-ED Cartridges	Refer to HL-1260 (P.I-10)
	5.2 Storage of Unsealed EP-ED Cartridges	Refer to HL-1260 (P.I-10)
СН	APTER II THEORY OF OPERATION	
1.	BASIC OPERATIONS	II-1
	1.1 Mechanical Configuration	
	1.2 Main Drive	
	1.3 Basic Sequence of Operations	
2.	LASER/SCANNER SYSTEM	
3.	IMAGE FORMATION SYSTEM	Refer to HL-1260 (P.II-5)
	3.1 Outline	Refer to HL-1260 (P.II-5)
	3.2 Printing Process	Refer to HL-1260 (P.II-5)
	3.2.1 Electrostatic latent image formation stage	
	3.2.2 Developing stage	
	3.2.3 Transfer stage	Refer to HL-1260 (P.II-9)
	3.2.4 Fixing stage	Refer to HL-1260 (P.II-10)
	3.2.5 Drum cleaning stage	
4	3.3 Operation	Keter to HL-1260 (P.II-11)
4.	PAPER PICK-UP/FEED SYSTEM	
	4.1 Outline	Refer to HL-1260 (P.II-12)

4.1 4.2

4.3 4.4 Cassette Feed II-2
MP Tray Feed II-3
Paper Jam Detection II-4

CHAPTER III ELECTRICAL SYSTEM

1.	MAIN	PCB	III-1
	1.1	Outline	III-1
	1.2	Video Controller Circuit	III-2
	1.3	Engine Controller Circuit	III-6
2.	PAPE	R FEED DRIVE CIRCUIT	
3.	DISPL	LAY CIRCUIT	Refer to HL-1260 (P.III-11
	3.1	Outline	•
		Operation	
4.		VOLTAGE POWER SUPPLY ASSY	
	4.1	Outline	
	4.2	Protection Functions	
5.		-VOLTAGE POWER SUPPLY ASSY	Refer to HL-1260 (P.III-14)
J.			
	5.1	Outline Operation of the Components of the High-Voltage Power S	
	5.2	Operation of the Components of the High-voltage Power's	
			1.111-14
СНА	PTER	R IV MECHANICAL SYSTEM	
PRIN		ISASSEMBLING PROCEDURE	•
	1.1	Configuration	
	1.2	Toner Cartridge Lid	
	1.3	Side Cover L	
	1.4	Font Cover Assy	Refer to HL-1260 (P.IV-4)
	1.5	Upper Cover Assy, Rear Cover Assy	
		1.5.1 Upper cover assy, rear cover assy	
	4.0	1.5.2 Changeover guide, jam remove cover	
	1.6	Side Cover R	
	1.7	DC Fan Motor	
	1.8 1.9	Main PCB	
	1.10	Control Panel Unit	
	1.10	Cartridge Stopper Assy	
		Paper Feed Chassis Unit	
	1.12	Separation Pad Assy	Refer to HI -1260 (P.IV-11)
		MP PE Sub Actuator	
		P Feed /Size-SW PCB Assy	
	1.16	Size-Switch Spring	
	1.17	Regist Sensor Actuator	
	1.18	MP Paper Detection Actuator	
	1.19	PE Sensor Actuator MP	
	1.20	Tray Sensor Holder	Refer to HL-1260 (P.IV-14)
	1.21	Roller Holder	
	1.22	Paper Pick-up Roller Assy, Bearing	
	1.23	Paper Pick-up Solenoid	
	1.24	Paper Feed Motor Assy	
	1.25	MP Tray Cover	
	1.26	MP Tray Assy	Refer to HL-1260 (P.IV-17)
	1.27	Paper Path Separation Plate, Paper Path Separation Film	
	1.28	Latch	
	1.29	Fixing Unit (for both 120V and 230V, the only difference is	
	4.00	Tenester Heli	
	1.30	Transfer Unit	Refer to HL-1260 (P.1V-22)

	1.31 DC Gear Holder Assy	
	1.31.1 Scanner Fan Motor	IV-6
	1.32 PS Switch Wire, Remote Switch	Refer to HL-1260 (P.IV-23)
	1.33 High-Voltage Power Supply PCB Assy1.34 Low-Voltage Power Supply PCB Assy	Refer to HL-1260 (P.IV-24)
	1.35 Toner Cartridge (EP-ED Cartridge)	Refer to HL-1260 (P.IV-25)
	1.36 Paper Tray	
СН	APTER V MAINTENANCE AND SERVICING	
1.	PERIODICAL REPLACEMENT PARTS	Refer to HL-1260 (P.V-1)
2.	CONSUMABLE PARTS STANDARD ENDURANCE TABLE	V-1
3.	LIST OF STANDARD TOOLS	Refer to HL-1260 (P.V-2)
4.	LIST OF LUBRICANTS AND CLEANERS	Refer to HL-1260 (P.V-3)
СН	APTER VI TROUBLESHOOTING	
1.	INTRODUCTION	Refer to HL-1260 (P.VI-1)
	1.1 Initial Check	
	1.2 Basic Procedure	
2.	TEST PRINTING AND MECHANICAL CHECK	
	2.1 Test Printing	
3.	IMAGE DEFECTS	
	3.1 Image Defect Examples	
4.	3.2 Troubleshooting Image Defects	
5.	TROUBLESHOOTING PAPER TRANSPORT PROBLEMS	
J.	5.1 Paper Jams	*
	5.2 Incomplete Paper Feed	Refer to HL-1260 (P.VI-22)
6.	OPERATION	
	6.1 Line Inspection Mode Procedure	Refer to HL-1260 (P.VI-23)
	6.2 DRAM Test	
7.	STATUS MESSAGE LIST	VI-9
APF	PENDICES	
1.	Engine Block Diagram	A-1
2.	Paper Feed/Size-SW PCB Circuitry Diagram (1/1)	Refer to HL-1260 (P.A-2)
3.	Main PCB Circuitry Diagram (1/7)	A-2
4.	Main PCB Circuitry Diagram (2/7)	A-3
5.	Main PCB Circuitry Diagram (3/7)	A-4
6.	Main PCB Circuitry Diagram (4/7)	A-5
7.	Main PCB Circuitry Diagram (5/7)	
8.	Main PCB Circuitry Diagram (6/7)	
9.	Main PCB Circuitry Diagram (7/7)	
10.	Control Panel PCB Circuitry Diagram (1/1)	
10.	Scanner LD PCB Circuitry Diagram (1/1)	
1.1.1.1	COMPANIE EL ESTE SEL SUCCION DIGITALE EL EL EL SEL SUCCION DE LA COMPANIE DEL COMPANIE DE LA COMPANIE DE LA COMPANIE DEL COMPANIE DE LA COMPA	A-9