Product Support Guide
Model D094

Introduction

Model Type	Wide Format
Launch Date	2/1/2011
Serial Number Prefix	W12
Product Code	D094

Brand/Model Name

Product Code	Lanier	Ricoh	Savin
D094	LW426	Aficio MP W3601	3406WD

Product Concept

Replaces the B289 with several technical enhancements.

Hardware

- Wide Color VGA LCD.
- Scan to USB/SD.
- SDK available with GW printer option.
- Color scanner.

Connectivity/Software

- New Printer Driver Core (YAPD2.0).
- Using Scan to Multimedia, FAT32 is now supported.
- New Secure PDF encryption method: AES 128bit.
- Carry-over Setting for Address Book Auto-program.
- DDNS procedure(Specification change).

-

Subject to change without notice

Product Support Guide
Model D094

Main Frame

Item	Model Name	EDP Code	Notes
D094	Lanier LW426 Ricoh Aficio MP W3601 Savin 3406WD	**415432**	

NOTE: Order Numbers are provided for reference purposes only. Please use your Pricing Guide for proper order numbers to insure you receive the correct branding emblem.

Order Number

Options

Item	Description	EDP Code	Product Code	Common / Unique	Notes
1 Roll Feeder	1 Roll Feeder Type 3601A	415435	D503	U	
2 Roll Feeder	2 Roll Feeder Type 3601B	415438	D504	U	
Paper Cassette Option (A3)	Paper cassette Type 240	412708	B853	B286 / B125	
Scan to Multimedia	USB2.0 / SD Slot Type E	415457	D534	U	
GW Printer Option	Printer Option Type W3601	415441	D506	U	PostScript and SDK Standard
GW Scanner Option	Scanner Option Type W3601	415444	D507	U	
File Format Converter	File Format Converter Type F	415506	D533	U	
Roll Holder Unit	Roll Holder Unit Type A	410844	B394	B010 / B188 / B125 / B286 / D046	
Table Option	Table Type 240	410844	B854	B125 / B286	
Original Hanger	Original Hanger	413717	D311	B286	
Rear Stacker	Rear Stacker	413718	D312	B286	
Wireless LAN (a/g)	IEEE802.11a/g Interface Unit Type J	414008	D377	B286	
Gigabit Ethernet Type B	Gigabit Ethernet Type B	414204	D377	B286	

Subject to change without notice

Product Support Guide
Model D094

Item	Description	EDP Code	Product Code	Common / Unique	Notes
Browser Unit	Browser Unit Type E	414716	D430	B286	

Note: Data Overwrite Security Unit and HDD Encryption Unit standard with standard HDD.

Supplies/Yields

Item	Name	Order Code	Target Yield
Lanier			
Toner	Black Toner for LW324	480-0161	Average 2.2K copies @A1/D LEF, Ricoh 6% chart* / cartridge
Developer	Black Developer for LW324	480-0216 B125 9640**	@A1/D LEF, Ricoh 6% chart/1.0kg x 2 bags (2.0kg)
Ricoh			
Toner	Ricoh Toner Type 1160W Black	888029	Average 2.2K copies @A1/D LEF, Ricoh 6% chart* / cartridge
Developer	Ricoh Developer Type 30W Black	888214 B125 9640**	@A1/D LEF, Ricoh 6% chart/1.0kg x 2 bags (2.0kg)
Savin			
Toner	Savin toner Type 4700W Black	9890	Average 2.2K copies @A1/D LEF, Ricoh 6% chart* / cartridge
Developer	Savin Developer 2400WD	9905 B125 9640**	@A1/D LEF, Ricoh 6% chart/1.0kg x 2 bags (2.0kg)

NOTE: *A1/D, 6% chart is used to measure the above yield. Storage period for toner is max. 2 years from production.
NOTE: ** Part Number

Subject to change without notice

Option Compatibility

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.Roll Feeder Type 3601A		X		X			M								
2.Roll Feeder Type 3601B	X			X			M								
3. Paper Cassette				X											
4. Table	X	X	X			X									
5. Original Hanger															
6. Rear Stacker				X											
7. Printer Option Type 3601	M	M													
8. Scanner Option Type 3601											M				M
9. VM Card															
10. Web Browser Card															
11. File Format Converter								M							
12. 1000 Base-T													X		
13. Wireless LAN												X			
14. Data Overwrite Security Unit															
15. USB2.0 / SD Slot Type E								M							

X: Cannot be installed together
M: Must be installed together

Subject to change without notice

Product Support Guide
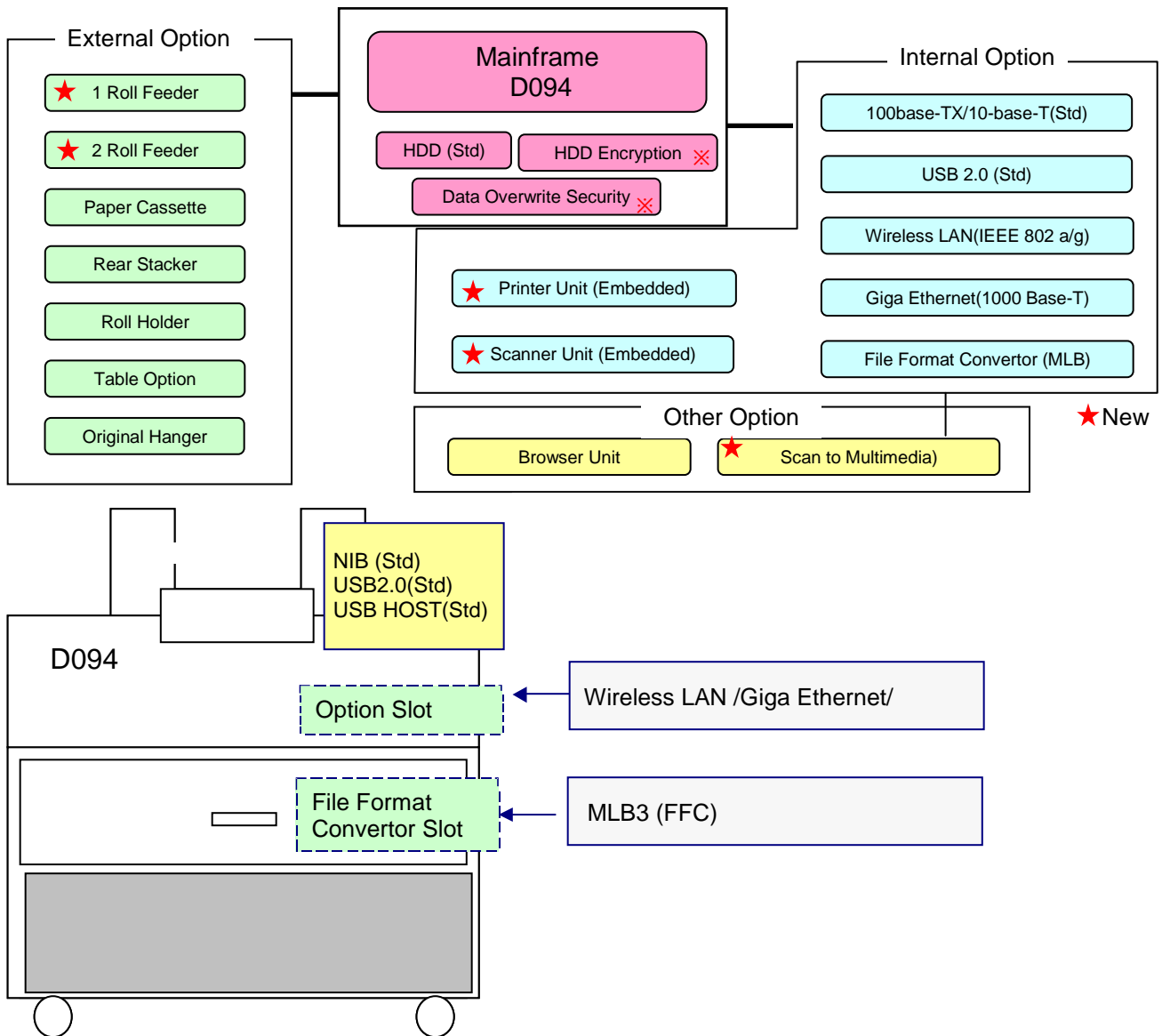## Model D094

Branding Information

Branding is required as the machines are shipped as a generic version.
Ricoh version machines: You must attach the model label (provided) to the front cover.
Savin/Lanier: You must attach the model label (provided) to the front cover and set the Plug and Play name with SP 5-907.
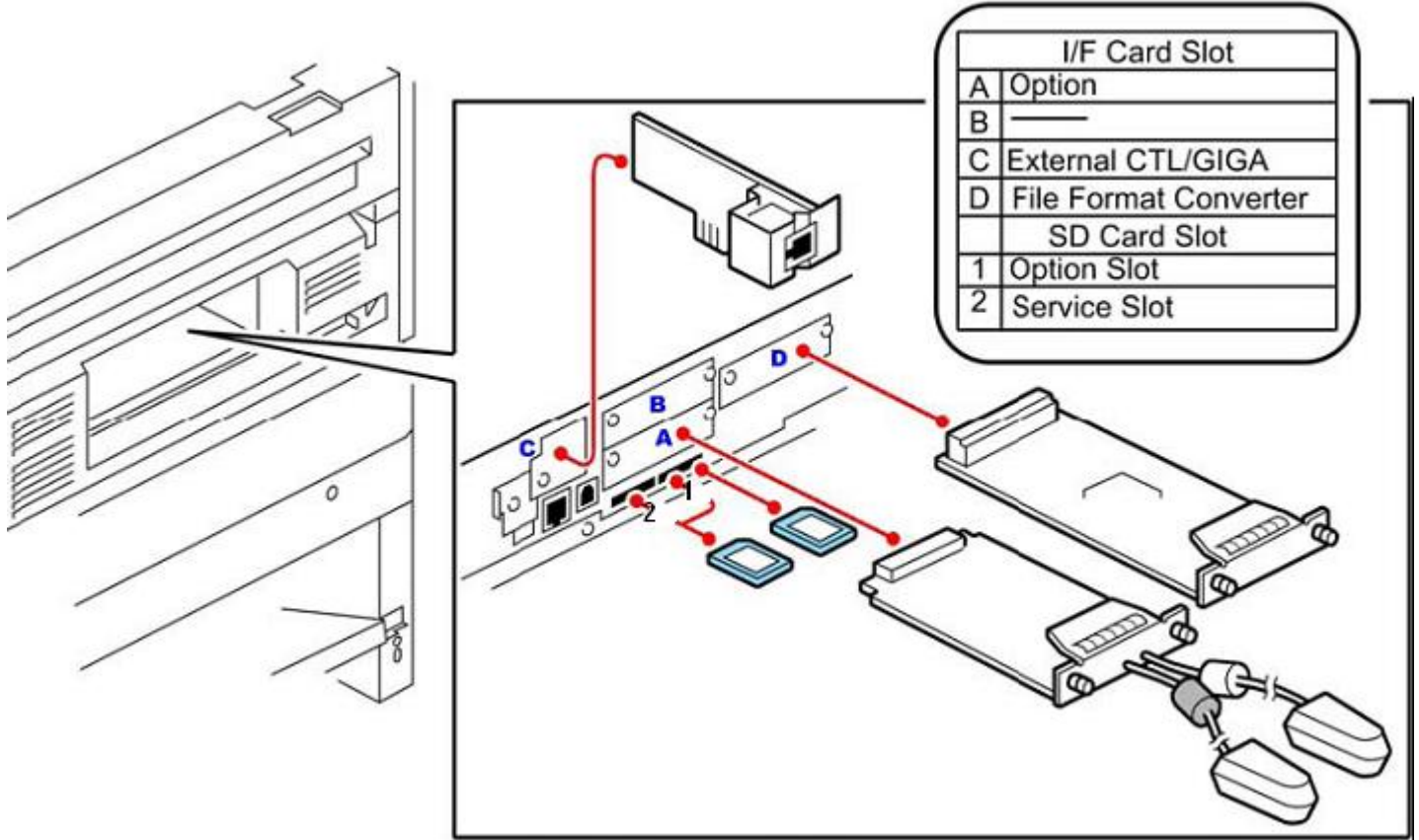
Configuration

Main Frame Configuration

External Option
- ★ 1 Roll Feeder
- ★ 2 Roll Feeder
- Paper Cassette
- Rear Stacker
- Roll Holder
- Table Option
- Original Hanger

Mainframe D094
- HDD (Std)
- HDD Encryption ※
- Data Overwrite Security ※
- ★ Printer Unit (Embedded)
- ★ Scanner Unit (Embedded)

Internal Option
- 100base-TX/10-base-T(Std)
- USB 2.0 (Std)
- Wireless LAN(IEEE 802 a/g)
- Giga Ethernet(1000 Base-T)
- File Format Convertor (MLB)

Other Option
- Browser Unit
- ★ Scan to Multimedia)

★New

D094

NIB (Std)
USB2.0(Std)
USB HOST(Std)

Option Slot ← Wireless LAN /Giga Ethernet/

File Format Convertor Slot ← MLB3 (FFC)

Subject to change without notice

MFP Options

MFP Option Board Slot / SD Card Assignments

I/F Card Slot	
A	Option
B	——
C	External CTL/GIGA
D	File Format Converter
SD Card Slot	
1	Option Slot
2	Service Slot

Subject to change without notice

Product Support Guide
Model D094

Feature Comparison To Previous Version

Feature Comparison To Previous Version	D094	B286
Appliance		
Operation Panel	Wide Color VGA	Wide VGA
Productivity		
Original Table Spec	Extend front length +40mm compared to B286	-
Upper Stacker Spec	Up to 50 sheets (A1/Dsize SEF)	Up to 50 sheets (A1/Dsize LEF)
Feature		
External Controller (Printer/Scanner)	No	Yes (RATIO CTL)
Embedded Controller (Printer/Scanner)	Yes (RICOH CTL)	Yes (RICOH CTL)
Color Scanner	Yes	No
App 2 me	TBA	No
Folder	N/A	Yes (Option)
SDK	Yes With Printer Option	No
PDF Batch Print	Yes	Yes(Update firmware for Mainframe)
Scan to Multimedia	Yes(Option)	No
Printing & Scan tool	TBD	No
HDD overwrite/encryption functions	Yes	Yes (Option)
Specification		
Memory	(Standard) 1G byte + 160G byte HDD (With Scanner Option) 2G byte + 160G byte HDD	1G byte + 80G byte HDD
Scan Speed	80mm/sec (Monochrome) 26.7mm/sec (Color)	80mm/sec (Monochrome)
Language	18 Languages	9 Languages

Subject to change without notice

Product Support Guide
Model D094

Installation
Installation Requirements
Temperature Range: 10 °C to 30 °C (50 °F to 86 °F)
Humidity Range: 15% to 90% RH
Ambient Illumination: Less than 1,500 lux (do not expose to direct sunlight)
Ventilation: 3 times/hr/person
Ambient Dust: Less than 0.10 mg/m^3 (2.7 x 10-6oz/yd^3)
Avoid areas exposed to sudden temperature changes:

- Areas directly exposed to cool air from an air conditioner.
- Areas directly exposed to heat from a heater.

Do not place machine where it will be exposed to corrosive gas or vapor.
Do not install the machine at any location over 2,000m (6,500 ft.) above sea level.
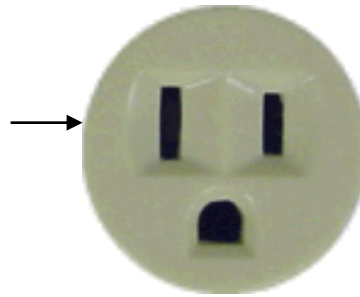Place the machine on a strong and level base.

Machine level
- Front to back: within 5mm (0.2") of level
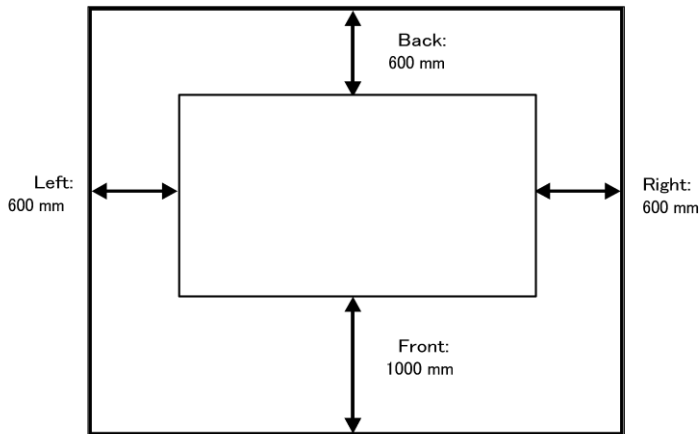- Right to left: within 5mm (0.2") of level

Load Support: ⭐ Important   The floor must be able to support a load of more than 2.94 kPa (300 kgf/m2.
Do not install the machine in an area where there are frequent strong vibrations

Power Requirements
Input voltage level: 110 - 120 V, 60Hz:15A
Do not place anything on power cord.
The required wall outlet is a NEMA 5-15R (receptacle)

Space

A (Front)   1000 mm (40")
B (Left)   600mm (24")
C (Rear)   600mm (24")
D (Right)   600mm (24")

The recommended 1000 mm (40") front space is sufficient to allow the paper drawer to be pulled out. Additional the front space is required to allow operators to stand at the front of the machine.

Foot Print

Mainframe Dimensions (W x D x H): 1080 mm x 637mm x 580mm (42.5" x 25" x 22.8")
Roll feeder Dimensions (W x D x H): 1080 mm x 720 mm x 700 mm (43" x 28" x 27")
NOTE: Measurement Conditions: Without trays or guides.

Subject to change without notice

Product Support Guide
Model D094

Power Consumption / Noise Emission

Power Consumption

	Power consumption	BTU
Auto Off Timer –Off Mode-	Less than 30 W	102
Energy Save Timer -Sleep Mode-	Less than 30 W	102
Max. power Consumption	1400W	4,781

Noise Emission

		D094 Full System
Stand-by	Sound Power Level	43dB or less
	Sound Pressure Level	37dB or less
Copying	Sound Power Level	70dB or less
	Sound Pressure Level	62dB or less

NOTE: The above measurements were made in accordance with ISO 7779. The measurements were taken from the normal position of the operator.

Installation Times

Unit	Installation Time (Minutes)	Unit	Installation Time (Minutes)
Roll Feeder Type 3601 A/B	20 (2 persons)	HDD Encryption Unit Type A	5
Paper Cassette Type 240	15	Giga Bit Ethernet Type B	10
Table Type 240	5 (2 persons)	Browser Unit Type E	3
Original Hanger	1	Printer Option Type W3601	3
Rear Stacker	5	Scanner Option Type W3601	3
IEEE802.11a/g Interface Unit Type J/K	5	File Format Converter Type F	3
Data Overwrite Security Unit Type H	5	USB2.0/SD Slot Type E	10

Storage/Transportation

	Storage	Transportation
Mainframe	-30~40°C -22~104° F	-30~50°C -22~122° F
	Less than 75% RH	15 - 90% RH
	Max of 4 cartons stacking	Max of 3 cartons stacking
	Maximum Storage Time 18 months from production date (No more than 1 month at 35~40 ^{o}C / 95~104°F)	
Toner (*1)	under 40℃ / 104°F (*1)	under 40℃ / 104°F (*1)

Subject to change without notice

	Storage	Transportation
Developer (*1)	Maximum Storage Time 24 month from the production date (*2)	Maximum Storage Time 24 month from the production date (*2)
	under 40℃ / 104°F (*1)	under 40℃ / 104°F (*1)
	Maximum Storage Time 24 month from the production date (*2)	Maximum Storage Time 24 month from the production date (*2)

NOTE: (*1) Do not store more than 12 hours under the temperature between 40 and 50°C (104 and 122°F). Do not store more than a month under the temperature between 35 and 40°C (95 and 104°F). Store in a dry, dark place where temperature does not exceed 40°C / 104°F on continuance storage/transportation conditions.
(*2) Unopened.

Parts / Special Tools / Maintenance
PM Parts / Yields

Mainframe

Unique/Common
U: Unique for this model
C: Common with listed model

*pm kit?

Part Number	Description	Q'ty/ Unit	PM Interval	Unique or Common
Around the Drum				
AD020089	Charge Corona Wire - G	1	36,000	Common with B286
AD020059	Corona Wire - Main (Transfer)	1	36,000	Common with B286
AD020072	Corona Wire - Separation	1	36,000	Common with B286
B1252061	Cleaner: Charge Corona	1	18,000	Common with B286
Development Unit				
B1259640	Developer (1000g)	2	97,450	Common with B286
Cleaning Unit				
B2863581	Cleaning Blade	1	36,000	Common with B286
Fusing Unit and Paper Exit				
AE011122	Hot Roller – MM50	1	90,000	Common with B286
AE031056	Bushing - Fusing (Hot Roller)	2	90,000	Common with B286
AE020148	Pressure Roller: MM55	1	108,000	Common with B286
AE042047	Fusing Cleaning Roller	1	90,000	Common with B286
Other				
AA010119	Exhaust Ozone Filter	1	18,000	Common with B286

Options

Roll Feeder: D503 / D504

Unique/Common
U: Unique for this model
C: Common with listed model

Part Number	Description	Q'ty /Unit	Yield	Unique or Common

Subject to change without notice

AJ030013	Cutter Unit		1	127K cuts[1]	Common with B286

[1]: The cutter unit can be used up to 127K actual cuts (regardless of paper length).
127 K cuts X 0.594 m (A1/D LEF) = 75.4 Km (247,312 feet)

Product Support Guide
Model D094

Special Tools & Lubricants

Item	Part Number	Description	Q'ty	Unique or Common
1	B6455010	SD Card	1	C (General)
2	G0219350	Loop-back Connector – Parallel	1	C (General)
3	B6456820	USB Reader/Writer	1	C (General)
4	A0239504	Test Chart OS-A1 (2 sheets/set)	1	Common (B286)
5	A2579300	Grease Barrierta – S552R	1	Common (B286)
6	52039502	Silicon Grease G-501	1	C (General) Common (B286)
7	VSSM9000	Digital Multimeter – FLUKE 187	1	C (General)
8	---	Ricoh System Information Tool (Support Tool Version 2) - Basic version - Mail version - Rlogtool (for use with GW controller)	1	C (General)

Target Reliability

Model	
Average Monthly Volume	1,771 feet / month
Max. Monthly Volume	9,840 feet / month
PM Interval	18,000 feet

Basic Specification

Specifications / Documentation

D094 Mainframe		
Technology		
Configuration	Desk top	
Copying/Printing Process	Electro-photographic printing	
Photo-conductor	OPC drum 970mm x φ80mm / 38.19" x φ3.15"	
Drum yield	40K copies(A1/D size LEF) / 24km / 80K ft	
Charge system	Scorotron (corona charge)	
Imaging lens	SELFOC lens˟	
Development system	Magnetic brush Dual component dry toner system	
Fusing	Method	Heat and pressure
	Roller materials	Heat roller : Teflon Pressure roller : Silicone rubber
	Fuse oil	Use little
Cleaning system	Counter blade	
PM cycle	5.6km / 18.4K ft	

Copier General Features		
Basic Specification		
Resolution		600 dpi
Gray Scale	Scanning	256 levels
	Writing	2 levels
Original	feed	Sheet
	Set position	Center
	Scanning method	CIS
	Scanning speed	(Metric) 20 – 320 mm/s (Inches) .8 - 12.6 in/s
	Maximum Scan size	(Metric) 914mm x 15,000mm (Inches) 36" x 590"
	Minimum Scan size	(Metric) 210mm x 210mm (Inches) 8.5" x 8.5"
	Original width	(Metric) 210 / 257 / 297 / 364 / 420 / 440 / 490 /515 / 594 / 620 / 625/ / 680 /707/ 728 / 841 / 880/ 914.4mm *APS and Rotate Sort do not work for 620/625/707mm. (Inches) 8.5" / 9" / 11" / 12" / 17"/ 18" / 22" / 24" / 30" / 34" / 36"
	Max. width	Metric : Up to 914.4mm Inches : Up to 36"
	Max Length (w/ limitation)	Metric : Up to 15,000mm Inches : Up to 590" (49.2ft)
	Paper output	Two ways: On top, and Straight to rear
	Original Stacker	Holds 1 sheet up to A1/D LEF. Size.

Product Support Guide
Model D094

Copier General Features

Copy	Maximum sizes	(Metrics) 914mm x 15,000mm (roll feeder) 914mm x 2,000mm (bypass) (Inches) 36" x 590" (roll feeder) 36" x 78" (bypass) 12" x 18" (Paper cassette)
	Minimum sizes	(Metrics) 210mm x 279.4mm (Roll feeder, Paper cassette) 210mm x 257mm (Bypass) (Inches) 8.5" x 11"
	Paper width	(Metric) 210 / 257 / 297 / 364 / 420 / 440 / 490 /515 / 594 / 620 / 625/ 660/ 680 /707/ 728 / 800/ 841 / 880/ 914.4mm (Inches) 8.5" / 11" / 12" / 18" / 22" / 24" / 30" / 34" / 36"
	Speed	3.4 cpm/ppm @ A0/E SEF 6.4 cpm/ppm @ A1/D LEF
	Paper feed	Two ways : Top(standard), Rear(with RF or Table option)
	Reproduction ratio	1 : 1
	Reduce/ Enlargement	[Preset Reduce/Enlargement] (see table below)
	Image density	Auto 9 steps, Manual 9 steps
	Warm up time	Less than 120 seconds (23 degrees Celsius, 73.4 degrees Fahrenheit (US:120v, EU/Asia:230V China:220v)
	First Copy time	Metric / Inch (see tables below)
	Number of repeat copy	1 to 99 (ten key input)
Paper feeding capacity	1 Roll Feeder (option)	1 roll paper Width : 210mm – 914mm /8.27" – 36" Max length: 150,000mm / 5905.5" / 492ft (500ft) Max diameter: φ175mm / φ6.9"
	2 Roll Feeder (option)	2 roll papers Width : 210mm – 914mm / 8.27" – 36" Max length: 150,000mm / 5905.5" / 492ft (500ft) Max diameter: φ175mm / φ6.9
	Paper cassette (option)	250 sheets (64 – 81g/m2)(20lb bond)
	Bypass feed	1 sheet

Reduce/Enlargement [Preset Reduce/Enlargement]

	Inch Version		Metric Version
	Engineer	Architecture	
Reduce	25%, 32.4%, 50%, 64.7%	25%, 33.3%, 50%, 66.7%	Reduce
100%	100%	100%	100%
Enlarge	129.4%, 200%, 258.8%, 400%	133.3%, 200%, 266.7%, 400%	Enlarge

[Zoom] 25% to 400% by 0.1% step

First Copy time

Metric

Tray	A1 LEF	A0 SEF	Paper exit
1st Roll	18/17 sec	25/24 sec	Upper/bottom
2nd Roll	18/17 sec	25/24 sec	Upper/bottom
Tray	A4 SEF	A3 SEF	Paper exit
Cassette	17/16 sec	19/18 sec	Upper/bottom

Inch

Tray	24"x36" LEF	36"x48" SEF	Paper exit
1st Roll	18/17 sec	26/25 sec	Upper/bottom
2nd Roll	18/17 sec	26/25 sec	Upper/bottom

Subject to change without notice

Product Support Guide
Model D094

Copier General Features

	(standard)	
Paper output capacity	Top	50 sheets @ A1/D SEF (plain paper) (Larger than A1/D size cannot be stacked.) 1 sheet @ A1/D SEF (application paper) No film stacking
	Bottom (Roll Feeder option mandatory)	40 sheets @ A0/E SEF (plain paper) (Smaller than A2/C size cannot be stacked) 10 sheets @ A0/E SEF (application paper) No film stacking
Paper cut method		Preset size cut / Synchronized cut / Variable cut
Memory Capacity		1024MB (Shared with Copy/Printer/Scanner applications)
HDD		160G byte (Shared with Copy/Printer/Scanner applications)
Power Source	NA	120V 15A 60Hz
	EU/CHN/AP	220V-240V/8A 50/60Hz
Max. power Consumption		1400W
Dimensions		1080mm x 637mm x 580mm (W x D x H) 42.5" x 25.1" x 22.8"
Weight		107kg / 236lb

Copier Enhanced Features

Copy mode	Drawing mode (Default)
	Text mode
	Text/Photo mode
	Other modes
	    Photo mode
	    Generation mode
	    Pasted Original mode
	    Background Line mode

Paper selection	Auto Paper Selection(APS) 1st roll tray (Available when roll feeder option is installed) 2nd roll tray (only available when 2 roll feeder option is installed) A3 cut sheet tray (option) Bypass Tray
Jog program	Standard (10 jobs)
Interrupt job	Standard
Reduce / Enlarge	Auto Reduce/Enlargement User Auto Reduce/Enlargement Preset Reduce/Enlargement Zoom Size Magnification Directional Magnification (%) Directional Size Magnification (mm/inch) Fine Magnification
Image Editing	Image Overlay Format Overlay Negative / Positive Mirroring Double Copy Repeat Copy
Image shift	Front / Rear / Left / Right : 0-+/-200mm by 1mm
Erase	Erase edge / inside / outside
Margin adjustment	0 to +200mm (by 1mm step)

Product Support Guide
Model D094

Copier Enhanced Features	
Stamp	Preset stamps User preset stamps Date stamp Page stamp
Preset job	Standard

Size	# of pages available for preset job
A0/E	100 or less
A1/D	100 or less
A2/C	200 or less
A3/B	400 or less
A4/A	400 or less

Emergency Stop	Standard : key
Sample copy	1st set of job out of multiple set of jobs will be printed.
Partial copy	210mm to 15,000mm / 8.27in to 49.2ft length can be defined as partial
Additional copy	NO. (Please use document server function for additional copy.)
Combine	Standard [2in1/4in1/8in1] up to A2/C size
Clear	Standard : Clear/Stop key
Copy Auto clear	Standard
Auto off	Standard
Energy saver	Standard: Energy saver key
Auto energy save mode	Standard
Reset	Standard: Reset key
Auto Start	Standard
User code	Standard : up to 500 users
Limitless paper feeding	Only with 2 roll feeder option. Not with cassette option.
Display of Paper type	Standard
Electronic sort	Standard

Size	# of pages available for sorting
A0/E	100 or less
A1/D	100 or less
A2/C	200 or less
A3/B	400 or less

Electronic sort is not available for custom sizes:
880, 800, 707, 680, 660, 625, 620, 490, 440mm

Product Support Guide
Model D094

Options

Roll Feeder Option (New)	
No. of Roll paper	1 or 2 rolls (1 roll option cannot be upgraded to 2 rolls)

Roll Paper Size	Maximum
	  Metric: 914mm x 15,000mm
	  Inch: 36" x 590"
	Minimum
	  Metric: 210mm x 210mm
	  Inch : 8.3" x 8.3"

Roll Paper Diameter	175mm / 6.9"
Dimensions (W x H x D)	1080mm x 720mm x 700mm / 42.5" x 28.6 x 27.6
Weight	70 kg / 154.3lb (1 Roll), 72 kg / 158.7lb (2 Roll)

D503   D504

Paper Cassette Option (common with B286)	

Paper Size	Maximum
	  Metric : A3 (297mm x 420mm)
	  Inch : 12" x 18"
	Minimum
	  Metric : A4 (210mm x 297mm)
	  Inch : 8.5" x 11"

Paper Weight	Metric : 64 – 105g/m2, (55 –99kg) Inch : 17 – 28lbs
Paper Capacity	250 sheets (with the paper spec of 64 – 81g/m2, or 17 – 20lbs.)
Dimensions (W x H x D)	620mm x 130mm x 570mm / 24.4" x 5.12" x 22.4"
Weight	Less than 60kg / 132.3lb

B853

Subject to change without notice

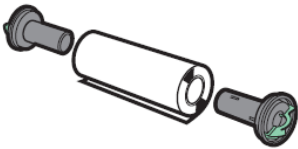| Table Option (common with B286)	
Dimensions (W x H x D)	1080mm x 720mm x 700mm / 42.5" x 28.3" x 27.6"
Weight	34kg / 75lb

Originals Hanger Option (common with B286)

This is a hanger for original documents before making copy.

Roll Holder Unit Type A (common with B286)

This is an extra option (which comes with 2 pieces/set) to be put on the both sides of the roll paper.

Rear Stacker (common with B286)

Users can select either this rear stacker (option) as a lower tray or the standard lower stacker. It holds maximum of 20 sheets of A1/D LEF.   [Important] When the rear stacker option is installed, the standard lower stacker will not be available..

Subject to change without notice

Product Support Guide
Model D094

Printer

General Features Printer Option Type W3601 (Embedded Printer)		
Items	**Specification**	
Controller Board	Embedded	
Controller CPU	Celeron-M (1.0GHz)	
Print Speed	3.4ppm @A0/E SEF, 6.4ppm @A1/D SEF	
Print Resolution	200, 300, 400, 600 dpi	
RAM	1024MB (Copy/Printer) ,2048MB(With Scanner Option)	
HDD	160GB (Shared with other applications such as Copy/Scanner)	
IC card slot	No	
Host Interface	Standard	100 Base-TX 10 Base-T/ USB 2.0
	Option	Giga Ethernet,/ Wireless LAN (IEEE 802.11a/g)
Supported printer language	PostScript Level3(PDF), , Emulation: HP-GL, HP-GL/2(HP-RTL), TIFF(CALS),	
Fonts	PS	Yes
Interface	Standard	Ethernet (100 Base-TX/10 base-T) / USB2.0
	Option	Wireless LAN (IEEE 802.11a/g), 1000base-T(Gigabit Ethernet)
Network Protocol	TCP/IP(IPv4, IPv6), IPX/SPX, Auto switching available	
MIB	Standard MIB	MIB-II(RFC1213), Host Resource(RFC1514), PrinterMib(RFC1759) SNMPv3 (RFC2574)
	Private MIB	Ricoh private MIB
Supported Operating Systems	PS driver	Windows 2000/XP/2003server/Vista/2008Server/Windows7 Mac OS X (later than Mac OS X10.2)
Supported CAD version	HDI driver	AutoCAD2000, 2002, 2002i, 2004, 2005, 2006, 2007,2008,2009,2010
Supported Languages	1.English, 2.German, 3.French, 4.Italian, 5.Spanish, 6.Dutch, 7.Swedish, 8.Norwegian, 9.Danish, 10.Finnish, 11.Hungarian, 12.Czech, 13.Polish, 14.Portuguese, 15.Russian, 16.Catalan, 17. Turkish, 18.Simplified Chinese Condition: OS need to have the same language.	

GL2&TIFF filter (standard with Printer option)	
HDI driver	HDI driver is a driver for AutoCAD (later than AutoCAD 2000)
Web Printing Tool (Web Browser based Utility Software) (Webprint)	Direct-print of PDF, HP-GL, HP-GL2, HP-RTL, TIFF and CALS files format through web browser. Requires Java loaded on the workstation.

Product Support Guide
Model D094

Scanner

Scanner Option Type W3601		
Items	**Specification**	
Optical Resolution:	Scan to email/folder: 150 / 200* / 300 / 400 / 600 dpi, *Default Twain: 150-1,200dpi	
Scan Speed:	Monochorme: 80mm/sec (600dpi) Coler: 26.7mm/sec (600dpi)	
Scan detection	Auto Detect, Preset Paper size, Custom size,	
Network Interface:	Ethernet 10/100BaseTX: Standard Giga Ethernet , Wireless LAN (IEEE 802.11a/g): Option	
Protocol:	Network: TCP/IP Sending E-mail: SMTP, POP3 Scan to Folder: SMB, FTP, NCP	
Compression Method:	B&W	BW / Binary: TIFF MH/MR/MMR
	Color	Grayscale / Full Color: JPEG
Scan Mode:	BW Text/Line Art(Default),BW Drawing, BW Text/Photo, BW Photo, BW Photo, BW Grayscale, FC Text/Photo, FC Photo,	
Image Density:	Lighter to Darker: 7 Levels	
Edit	Erase boarder, Positive/Negative, Mirror Image	
Bundled Scanner driver	Network Twain Driver	

Scan to E-mail		
Items	**Specification**	
Requirement	SMTP Gateway and TCP/IP	
Authentication	SMTP POP before SMTP	
Resolution	Default: 200 dpi 100 / 150 / 200 / 300 / 400 / 600 dpi	
Register E-mail Address in HDD	Max. 2,000 addresses	
Register Group Address in HDD	Max. 500 Addresses Max. 100 Addresses in One Group Addresses	
Maintain E-mail Address in HDD	Direct input on operation panel, Web image Monitor, Smart Device Monitor	
Search E-mail Address in HDD	By name & E-mail address	
LDAP	Yes	
Max Address Number per Send	Max. 500 addresses	
Address Number per send	via Address Book	Max. 500 addresses
	Direct Input	Max. 100 addresses
	via LDAP	Max. 100 addresses
Attention	To, cc, bcc	
Subject	Manual Input	Max. 128 characters
Body Message	Manual Input	Max. 80 characters
	Pre-register by user	5 body messages. 80 characters x 5 lines per a body message. Title name of the body message: Max. 20 characters per a name.
	Preset	Message: "This e-mail included attached file sent from xxxx (machine model name)."
E-mail Size Restriction	With restriction	128 - 102,400KB *Default = 2,048KB
	W/O restriction	725MB

Product Support Guide
Model D094

Scan to E-mail	
Items	**Specification**
File Type	Single Page TIFF, Single Page JPEG, Single Page PDF, Multi Page TIFF, Multi Page PDF
Program User Setting	Yes (Up to 10 programs)
Divided & Send E-mail	Yes (By page or size) / No, Default = Yes (By size)
Resend	Yes / No, Default = Yes

Scan to Folder	
Items	**Specification**
Protocol Support	SMB, FTP, NCP
Security	Client folder log-in (log-in name and password) Encryption of log-in name and password during transmission
Resolution	Default: 200dpi 100, 150, 200, 300, 400, 600dpi
Max. Resisted Client Folder Address in HDD	Max. 2,000 folders
Maintain Client Folder Address in HDD	Via Operation Panel, Web Image Monitor
Max. Client Folders per send	Max. 50 client folders
Group Address	Max. 100 destinations (To Folder: 50, To e-mail: 100) *1
Input Subject	No
Scan file size	1 document Up to 2000MB
File size when combined Scan to Folder & Scan to E-mail	128-102,400KB, Default = 2,048KB (With restriction) 725MB (W/O restriction) (Conforming to the scan to e-mail specification)
File Type	Single Page TIFF/JPEG, Single Page PDF, Multi Page TIFF, Multi Page PDF,

Max. address numbers per sending (combination between E-mail and Folder)					
	Input via	Condition 1 Max. address can select or input(Total 500)	Condition 2 Max. address allow in single operation (Total 500)	Condition 3 Combination of Address: Max.	
Scan to E-mail	Address book	500	500	550	
	Manual input	100			
Scan to Folder	Address book	50	50		
	Manual input	50			

Network TWAIN Driver	
Items	**Specification**
Correspondence OS	Windows 2000/XP/Vista/7 Windows Server 2003, 2008,
Resolution	150-1200dpi
Scan Mode	Standard, Diazo type
Image Adjustment	Brightness, Contrast, Threshold, Gamma Adjustment, Halftone Pattern
Stamp	Not Supported
Endorse	Not Supported
Read-Ahead Mode	Not Supported

Product Support Guide
Model D094

Scan to USB/SD (Option) "New"
By using this option, users will be able to scan their original documents and save the documents in electronic format into an SD memory card and/or USB memory devices*1.

Note) *1 There are some SD Memory Card/ USB Memory that the users can not be used with this option.
D534

Gigabit Ethernet Type B (Common with D046)	
Interface Connector	Ethernet (10Base-T, 100Base-TX, 1000Base-T)
DataTransmission Speed	Ethernet: 1000 Mbps, 100 Mbps, 10 Mbps
Protocol	TCP/IP, IPX/SPX
Distance Between Devices	Ethernet: 100m

IEEE802.11a/g Interface Unit Type J (Common with D046)	
Transmission spec	Based on IEEE 802.11a/g (wireless LAN)
Data transfer speed	Auto select from the following speed: 1 Mbps, 2 Mbps, 5.5 Mbps, 6 Mbps, 9 Mbps 11 Mbps, 12 Mbps, 18 Mbps, 24 Mbps, 36 Mbps, 48 Mbps, 54 Mbps
Frequency range	2412 - 2462 MHz (1-11 channels)
Transmission mode	Ad hoc, and infrastructure mode

Product Support Guide
Model D094

MFP Supported Environments

Windows Environments					
OS	Type	PCL5e	PCL6	PostScript3	XPS
Windows 2000	Professional	Y	Y	Y*1	N
	Server	Y	Y	Y*1	N
	Advanced Server	Y	Y	Y*1	N
	Datacenter Server	N	N	N	N
Windows XP	Professional	Y	Y	Y*1	N
	Home Edition	Y	Y	Y*1	N
Windows Server 2003	Standard Edition	Y	Y	Y*1	N
	Enterprise Edition	Y	Y	Y*1	N
	Datacenter Edition	N	N	N	N
	Web Edition	N	N	N	N
Windows VISTA	Home Basic	Y	Y	Y	Y
	Home Premium	Y	Y	Y	Y
	Business	Y	Y	Y	Y
	Ultimate	Y	Y	Y	Y
	Enterprise	Y	Y	Y	Y
Windows Server 2008	Standard Edition	Y	Y	Y	Y
	Enterprise Edition	Y	Y	Y	Y
	Datacenter Edition	N	N	N	N
	Web Edition	N	N	N	N

*1: PS3 driver for Windows Vista is not contained in a CD-ROM. Please download it from web site.

Mac OS

	PostScript3	Printer Utility for MAC
Mac OS 8.6 or later, Mac OS X classic	Yes	Yes
Mac OS X Native : v. 10.2 or later *1	Yes	Yes

*1: Mac OS X v.10.0.X is not supported.

UNIX Filter

TBD

Novell Netware

TBD

SAP/R3 Environment (Device Type / Barcode & OCR Package)

NA

Subject to change without notice

Product Support Guide
Model D094

Software	Description
For GW Controller Font Manager	This software enables you to use screen fonts.
Smart Device Monitor for Admin	This software enables you to manage and monitor printers and other devices over the network.
DeskTopBinder – SmartDeviceMonitor for Client	This software enables you to access networked printers to print, monitor or to receive notifications. With DeskTopBinder Lite you can connect client computers to I/O devices enabling you to efficiently manage data.
Device Graphic Update Module	Device Graphic Update Module provides bitmap images used to represent the various statuses of devices graphically within Smart Device Monitor or Web Smart Device Monitor. Available on website.
Printer Utility for Mac	This is a utility for Macintosh that provides access to several network printing administrative features.
PS Descriptions	PPD for Mac By interacting with the Adobe PostScript 3 controller in the device, this PPD is able to produce an accurate representation of the screen image.
Mac OS X PPD Installer	This PPD installer is used to install a PPD (Postscript Printer Description) file on Mac OSX. PPD files contain descriptions of printer capabilities such as paper sizes, number of input trays and duplexing. Once the PPD file is installed on the system using the PPD installer, the PS driver that comes bundled with Mac OS X can use the information in the PPD to control the print device and enable full functionality. It supports the Mac OS X 10.1 or later. Please see the Readme file for information about compatibility with versions of Mac OS X.
PCL 6 Driver	Printer driver for B/W printing in Windows. It supports HP PCL XL commands and is optimized for the Windows GDI. High performance printing can be expected.
PCL 5e Driver	Printer driver for printing in Windows. It supports HP PCL 5e commands.
Post Script Driver	By interacting with the Adobe PostScript 3 controller in the device, this driver is able to produce an accurate representation of the screen image.
GW Controller Network TWAIN Driver	TWAIN scanner driver for network connections with new features Combine/Series, compatible with SNMP V3and Network Connection Tool.

Print Driver Information

PostScript and HDI driver support.

Other MFP Support Information
Not Applicable

Subject to change without notice

Counters

Total Counter Access

- User Tools / Counter → Counter → Print Counter List → Start *1
- User Tools / Counter → System Settings → Administrator Tools → Display / Print Counter → Print Counter List→ Start . *2
- User Tools / Counter → Printer Features → List/Test Print → Config. Page. This is a Total Only.

*1 information shown depends on setting choosen in SP 5045

Counter Information

*1 – Total counter

*2 – Total, Copier, Printer.

Counter Specifications

Maximum 7 digits

Paper

Recommended Throughput Material

Tray Type	Recommended paper type	Recommended paper size	Remarks
Paper Roll	Plain paper 51 – 110g/m2 (13.9 – 29.3 lb) Translucent paper 76-110g/m2 Velum 61-110g/m2	Max. Roll paper diameter: 6.9" Max. Core diameter: 3"+-0.0098" Width: 8-1/2",11",17",22",30",34" or 9", 12",18",24",30",36" Roll length: 49.2ft	
Bypass Tray	Plain paper 51 – 110g/m2 (13.9 – 29.3 lb) Translucent paper 76-110g/m2 Vellum 61-110g/m2	**Engineering** E(34"x44"):SEF D(22"x34"):SEF/LEF C(17"x22") :SEF/LEF B(11"x17") :SEF/LEF A(81/2"x 11") :SEF **Architecture** E(36"x48"):SEF D(24"x36"):SEF/LEF C(18"x24") :SEF/LEF B(12"x18") :SEF/LEF A(9"x 12") :SEF Paper width : 11"x36" Paper length: 8 1/2 x 78"	1 sheet can be set from bypass.

Non Recommended Throughput Material

Refer to pages in the Operators Instructions Hardware Guide.

Do not use any of the following kinds of paper or a fault might occur:

- Aluminum Foil, Carbon paper,
- Conductive paper
- Paper meant for an inkjet printer
- Bent, folded, or creased paper
- Torn paper
- Thermal fax paper
- Art paper
- Paper with perforated lines
- Hemmed-edge paper
- Tab stock
- Slippery paper
- Perforated paper
- Rough paper
- Thin paper with little stiffness
- Paper with a dusty surface

Special Paper
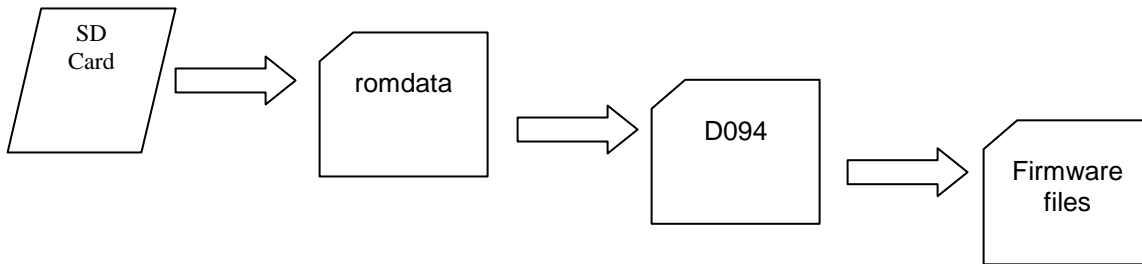
Not Applicable

Firmware Information

Firmware

Firmware Type	Firmware SD Card RFG E-Source Number	Firmware Remote RFG E-Source Number
Browser option Type E	TBA	N/A
Data Erase Std	rfg047156	rfg047176
Engine	rfg047160	rfg047179
GL2&TIFF-Filter	rfg047169	N/A
Language	rfg047157	N/A
Network DocBox	rfg047161	rfg047180
Network Support	rfg047151	rfg047183
OpPanel.EXP	rfg047152	rfg047173
SubCPU (PowerSaving Sys)	rfg047158	rfg047177
Printer	rfg047166	rfg047181
PS3/PDF	rfg047170	rfg047184
RPCS	rfg047153	rfg047174
Scanner	rfg047159	rfg047178
System/Copy	rfg047167	rfg047182
Web Support	rfg047171	rfg047185
Web Uapl	rfg047154	rfg047175

Subject to change without notice

SD Card Arrangement

Contact Information

Name	Contact
Technical Services Call Center (Hotline)	Ricoh: (800) 537-4264 Savin/Gestetner: (800) 291-6044 Lanier: (800) 333-3147
Application Help Desk (Software Issues)	Ricoh Phone Card: 2 Call - 000781MIU, 5 Call - 000900MIU Savin Phone Card: 2 Call - 12992, 5 Call - 12993 Gestetner Phone Card: 2 Call - 12994, 5 Call - 12995
Hytec Parts and Logistics Control	(800) 557-4264 http://www.nrc-usa.com
Technology Solutions Resource Center	http://www.tscweb.net
Ricoh Web Site	http://www.ricoh-usa.com/
Savin iLINC Web Site	http://www.savin.com
Headquarter Web Sites	Ricoh Corporation: http://www.ricoh-usa.com Savin Corporation: http://www.savin.com Gestetner Corporation: http://www.gestetnerusa.com/ Lanier Corporation: http://www.lanier.com
Material Safety Data Sheets	(800) 336-MSDS (6737)
Ricoh University	973.882.2200. http://www.ricohuniversity.com

Subject to change without notice

Training Information

Documentation

Description	EDP Code	RFG E-Source Number
Service Manual	TBA	rfg047126
Part Catalog	TBA	rfg047127
Point-to-Point	TBA	rfg047128
D094 Service Documentation Update Package	TBA	TBA
Operating Instruction Manual	TBA	rfg047129

Please refer to the http://www.ricohuniversity.com/ web site for the most up to date training information.

Please be aware that once a model or series is out of production, the Field Service Manual, Technical Service Bulletins and Ricoh University should be referenced for the most current information. Check the TSC website and e-source.

Product Support Guide
Model D094

Revisions

1.0 Original
1.1 Added rfg numbers for firmware and documentation.