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### 250 Sheet Feeder Assembly

RB2-2895-000CN Shaft bushing/retainer - Pickup roller support bushing on right side - Mounts on and retains the right end of the pick-up

roller shaft - For the base on the 250 sheet and 500 sheet input tray assemblies

RB2-2896-000CN Shaft bushing/retainer - Pickup roller support bushing on left side - Mounts on and retains the left end of the pick-up

roller shaft - For the base on the 250 sheet and 500 sheet paper input tray assemblies

Cover

RB2-3479-000CN 250 sheet feeder cover

RB2-3480-000CN 250 sheet feeder drive cover

RB2-3489-000CN Inner cover (Small Quartz Gray plastic cover)

**Feed Assembly** 

RG5-4394-020CN Feed roller assembly - Includes roller, holder and spring

Foot

RB2-2816-000CN Rubber foot

Holder

RB2-3485-000CN Roller holder

Housing

RB2-3471-040CN Tray 3 housing - Bare frame that printer sits on top of printer

Kit

RY7-5100-000CN 250 sheet tray separation pad kit - Contains Separation pad, pad holder, pad compression spring and large lift plate

spring

Roller

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RB2-2892-000CN Guide roller (Free spinning white plastic roller) - One on each side of the rubber paper pick-up roller - For the base on

the 250 sheet and 500 sheet input tray assemblies

RB2-3484-000CN Feed roller - Feed roller for sheet feeder - White plastic roller

Spring

RS6-2063-000CN Roller spring - Provides pressure for feed roller

# 500 Sheet Feeder Assembly

#### **Bushing**

RB2-2895-000CN Shaft bushing/retainer - Pickup roller support bushing on right side - Mounts on and retains the right end of the pick-up

roller shaft - For the base on the 250 sheet and 500 sheet input tray assemblies

RB2-2896-000CN Shaft bushing/retainer - Pickup roller support bushing on left side - Mounts on and retains the left end of the pick-up

roller shaft - For the base on the 250 sheet and 500 sheet paper input tray assemblies

Pad

RF5-4258-000CN Separation pad assembly - Includes the gray plastic frame with the rubber insert strip

Roller

RB2-2892-000CN Guide roller (Free spinning white plastic roller) - One on each side of the rubber paper pick-up roller - For the base on

the 250 sheet and 500 sheet input tray assemblies

Tray Assembly

C7065-67901 500 Sheet Feeder and paper tray assembly - Holds 500 sheets of letter, legal, Executive, A4, A5, or B5 ISO size paper -

Includes the feeder base assembly with pickup roller and the paper cassette tray

#### Accessories

Cartridge

Q2610-60001 Black toner cartridge (Ultra Precise Toner) - Prints approximately 6,000 pages based on a 5% print density

Interface (Product)

J4135A JetDirect connectivity card - Has one USB port, one serial (DB9) port and one LocalTalk port - Plugs in the EIO slot on

selected DesignJet and LaserJet printers

J6057A JetDirect 615N internal print server (10Base-T and 100Base-TX) LAN interface board - Plugs into peripheral EIO slot -

Has a RJ-45 connector - Comes with software on CD-ROM and manual



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#### Accessories

J6057AR JetDirect 615N internal print server (10Base-T and 100Base-TX) LAN interface board - Plugs into peripheral EIO slot -

Has a RJ-45 connector - Comes with software on CD-ROM and manual

Kit

C7058-67905 Delivery roller kit - Includes all face-down delivery roller assemblies, upper delivery roller supports, and roller drive gear

C7058-67907 Duplex feed/Paper pick-up kit

Q2472-67901 Return service packaging kit - Contains new box with top and bottom foam set, plastic bag for printer and instruction

sheet

U6180-60001 Maintenance Kit (120V) - Includes fuser roller assembly, transfer roller assembly, Tray 1 and Tray 2 pick-up rollers, Tray

1 and Tray 2 separation pads. Procedure requires use of service manual. Not for warranty use

U6180-60002 Maintenance Kit (220V) - Includes fuser roller assembly, transfer roller assembly, Tray 1 and Tray 2 pick-up rollers, Tray

1 and Tray 2 separation pads. Procedure requires use of service manual. Not for warranty use

Manual

Q2472-90911 LaserJet 2300 series printer service manual - English only

Memory (DIMM)

C7842-67901 8MB, 100-pin SDRAM DIMM memory module C7843-67901 16MB, 100-pin SDRAM DIMM memory module C7845-67901 32MB, 100-pin SDRAM DIMM memory module

PC Board (Interface)

J4135-61001 JetDirect connectivity card - Has one USB port, one serial (DB9) port and one LocalTalk port

J4167-69001 JetDirect 610N token ring LAN interface board - DB-9 and RJ-45 connectors

REQUIRES RETURN OF DEFECTIVE PART

J4167-61001 New Part for J4167-69001

J6057-69001 JetDirect 615N internal print server (10Base-T and 100Base-TX) LAN interface board - Plugs into peripheral EIO slot -

Has one RJ-45 connector

REQUIRES RETURN OF DEFECTIVE PART

J6057-61001 New Part for J6057-69001

Tray Assembly

C4793-67901 250 Sheet tray assembly

## External Case Parts

**Button** 

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RB2-6294-000CN Power button - Located on left side of printer

**Control Panel** 

RH6-0226-000CN Control panel assembly - Control panel mounted on upper right front of printer

Cover

38 RB2-6283-000CN I/O cover - Hinged panel located on right rear of printer that allows access to concealed I/O cable connections

RG5-5549-000CN Left cover assembly - Includes power button and spring

40 RM1-0328-000CN Top cover assembly - Face-down output tray and toner cartridge access door

RM1-0328-030CN New Part for RM1-0328-000CN

RM1-0329-000CN Right side cover assembly

RM1-0367-000CN Rear cover - Back of printer cover - Includes face-down output tray assembly

**Extension** 

43 RB2-6286-000CN Output bin extension - Pull out extension for rear paper output bin

Foot

44 RB2-6297-000CN Rubber foot - Square self-adhesive rubber foot



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### Fusing Assembly Parts

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RC1-0983-000CN Roller bushing - Delivery roller bushing - Supports right side of delivery roller

RC1-0988-000CN Pressure roller bushing - Support bushing under each end of fusing pressure roller - 2 used

Cable

RG1-4309-000CN Delivery sensor cable assembly

Flag

RB2-6402-000CN Paper sensor lever - Actuates PS2301 paper sensor

Fusing Assembly

RM1-0354-000CN Fusing roller assembly (For 110V operation) - Bonds toner to paper with heat

RM1-0354-050CN New Part for RM1-0354-000CN

50 RM1-0355-050CN Fusing roller assembly (For 220V - 240V operation) - Bonds toner to paper with heat

Gear

RC1-0985-000CN Delivery roller gear - Gear on left side of delivery roller - 48 teeth

RS6-0921-000CN 14 Tooth Gear - Drives delivery roller - Attaches to lower delivery guide

RS6-0923-000CN 27 Tooth Gear - Attaches to end of pressure roller

RU5-0166-000CN 12 tooth gear - On left side of feed roller

RU5-0167-000CN 16 Tooth Gear - Attaches to right end of delivery roller

Guide

RC1-0974-000CN Entrance guide - Paper input guide of fusing assembly

Holder

RC1-0986-000CN Gear holder - Plastic piece on left side of delivery roller between the 48 tooth gear and paper clearing knob

RF5-2609-000CN Contact holder - Anchors fusing assembly to chassis

Knob

RC1-0984-000CN Paper jam clearing knob

**Plate** 

RC1-0976-000CN Pressure plate - Plate that attaches above fusing roller

Roller

Delivery roller - Roller for Upper Delivery Guide - 4 Used RC1-0978-000CN

Delivery roller - Feeds paper out of fusing assembly RC1-0982-000CN

Pressure roller - Applies pressure to paper as it feeds through the fusing roller RM1-0356-050CN Fusing roller assembly (For 100V to 120V operation) - Includes heating element and fixing film sleeve

RM1-0357-050CN Fusing roller assembly (For 220V to 240V operation) - Includes heating element and fixing sleeve

Spring

RC1-0991-000CN

RB2-2978-000CN Compression spring - Provides tension for upper delivery rollers mounted on upper delivery guide - 4 used

RB2-6352-000CN Torsion spring - Provides tension for paper sensor lever

RU5-2115-000CN Compression spring - Between fusing roller and pressure plate above fusing roller - 2 used

### **Internal Parts**

**Bushing** 

RC1-0922-000CN Roller bushing - Right side transfer roller bushing

Cable

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RG1-4310-000CN F/G cable - Chassis to scanner mounting plate ground cable

RG1-4314-000CN Control panel cable assembly

RG5-5598-000CN Paper-feed cable - Includes the I/F cable from the Engine Controller PCA to the accessory paper tray connector and the

Engine Controller PCA ground cable.

73 Interface cable - The I/F cable from the Engine Controller PCA to the accessory paper tray connector - Six RG5-5599-000CN

conductor/three connector cable



## In

Int	ernal Parts	
	Cable	
74	RG5-5600-000CN	Grounding cable - Engine Controller PCA ground cable
75	RH2-5580-000CN	Flat interface cable - Flat cable that connects between the Formatter and ECU board
	Cover	
<b>76</b>	RC1-1013-000CN	Front cover - White plastic cover behind drop down Tray 1/MP Tray paper input tray - Attaches with two top screws
	Damper	
77	RC1-1038-000CN	Tray 1/MP Tray damper - Dampens movement on right side of drop down Tray 1 - White plastic gear mounted on a black plastic arm
	Drive Assembly	
78	RM1-0334-000CN	Printer drive assembly - Large gear drive assembly on right side of printer
	Duct	
79	RC1-1003-000CN	Cooling duct - Provides airflow for Laser/scanner assembly
	Fan	
80	RH7-1591-000CN	Fan - Cooling fan mounted on left side of printer - FM1
	Fuse	
	RH3-8006-000CN	Fuse - 8A, 250V max
	WD1-0268-000CN	Fuse - 15A, 250V max
	Gear	
83	RC1-1039-000CN	26 tooth gear - Tray 1 pick-up roller drive gear
84	RC1-1040-000CN	29 tooth gear - Cassette Pick-up gear
85	RS6-0445-000CN	Registration roller drive gear - 14 tooth
86	RU5-0155-000CN	Drive gear - Provides power transmission to gear assembly that drives paper feed shaft - 27 tooth
87	RU5-0156-000CN	Paper feed shaft drive gear - Between paper feed roller and paper feed shaft
88	RU5-0168-000CN	Drive gear - Upper Delivery Roller drive gear - 15 Tooth
	Gear Assembly	
89	RM1-0337-000CN	Belt drive gear assembly - Gear assembly on the right side of printer that drives paper feed assembly
	Ground Plane	
90	RC1-0911-000CN	Static charge eleminator
	Ground Strap	
91	RC1-0916-000CN	Grounding plate
92	RC1-0917-000CN	Grounding plate - Attaches to right rear corner of Formatter board
	Guide	
93	RB2-2830-020CN	Cartridge guide - Right side toner cartridge guide
	RB2-2831-020CN	Cartridge guide - Left side toner cartridge guide
95	RC1-1002-000CN	Cable guide - Attaches to rear of Laser/scanner assembly
96	RC1-1019-000CN	Cable guide - Black plastic cover that protects flat cable on upper right side of printer
97	RM1-0333-000CN	Guide assembly - Duplexer portion paper guide assembly
	Hardware	
	XA9-1223-000CN	M3 X 6 TP screw
	Hinge	
99	RB2-6249-000CN	Feed guide hinge
100	RB2-6405-000CN	Tray hinge - For the left side of the multi-purpose front input tray (Tray 1)
101	RB2-6406-000CN	Tray hinge - For the right side of the multi-purpose front input tray (Tray 1)



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#### Inter

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RB2-6263-000CN

RB2-6266-000CN

RB2-6271-000CN

RC1-1009-000CN

nte	ernal Parts	
ŀ	Holder	
	RL1-0158-000CN	Sensor lever holder - Automatic Duplexer pickup sensor (PS503)
ı	nsulator	
	RC1-0930-000CN	Insulation sheet - Plastic insulator sheet between power supply PCA and metal frame
L	_ever	
14	RB2-2836-000CN	Paper sensor lever - Mechanical device that engages photo sensor
5	RB2-6251-000CN	Jam clearing lever - Helps to clear paper jams
ľ	Motor	
6	RH7-1588-000CN	DC Motor - Provides power for drive assembly on right side of printer - Motor M1
ľ	<b>Mount</b>	
7	RB2-6255-000CN	Fan mount - Secures fan to chassis on left side of printer
F	PC Board	
8	WG8-5382-000CN	Sensor PC board - Small board with flag activated photosensor
F	Plate	
9	RC1-1001-000CN	Laser/scanner mounting plate - Plate that attaches to printer chassis the Laser/scanner assembly mounts to
F	Receptacle	
0	RM1-0342-000CN	Power Receptacle - Power input receptacle and cable going to power supply PCA
F	Retainer	
1	RA0-1068-000CN	Continuity cap - Gear retainer
F	Rod	
2	RB2-6250-000CN	Jam clearing rod - Helps to clear paper jams
5	Screw	
3	XB4-7401-007CN	Self tapping pan head M4 X 10 screw
	XB4-7401-407CN	Self tapping truss head M4 X 14 screw
	XB6-7300-607CN	6 mm Phillips head screw with attached washer
5	Sensor Mechanism	
6	RM1-0335-000CN	E-label reader assembly - Sensor that reads toner cartridge information
5	Shaft	
7	RU5-0158-000CN	Paper feed drive shaft - Connects main drive to paper feed drive assembly
5	Solenoid	
8	RH7-5279-000CN	Solenoid - Automatic duplexer solenoid - SL3
9	RM1-0324-020CN	Cable and guide Assembly - Cables run between Solenoids SL1/SL2 and Engine Controller board - Includes solenoids SL1 and SL2
0.	RM1-0331-000CN	Duplexer solenoid - SL3
5	Spacer	
	RC1-0931-000CN	PC Board spacer - Power supply board spacer on right edge of board
5	Spring	
2	RB2-2837-000CN	Torsion spring - Provides tension for paper sensor lever
23	RB2-2843-000CN	Torsion spring - Provides a small amount of back pressure for the paper sensor flag
24	RB2-2860-000CN	Power button spring - Provides tension for power button
25	RB2-6262-000CN	Compression contact spring - Provides electrical voltage contact

Leaf spring - Grounding spring

Compression contact spring - Provides electrical voltage contact

Contact spring - High voltage contact for transfer roller

Compression spring - Provides electrical ground connection



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#### Internal Parts

130 RS6-2030-000CN Tension spring - Provides support tension for the multi-purpose front input tray guide assembly (two used)

RS6-2375-000CN Compression spring - Provides pressure for top output bin delivery roller assembly

RU5-2107-000CN Compression spring - Provides electrical ground connection

133 RU5-2108-000CN Compression contact spring - Provides electrical voltage contact

RU5-2109-000CN Compression spring - Provides tension for right side of transfer roller bushing

RU5-2112-000CN Tensioning spring - For the paper pick up gear assembly

Standoff

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VT2-0012-005CN PC Board support - Plastic standoff for supporting a PC board

**Switch** 

137 RH7-6051-000CN Microswitch with lever activator

### Logic/Control Electronics

### Memory (DIMM)

Q2677-67905 DIMM memory kit - 2300N Network Firmware Dimm

Q2677-67907 New Part for Q2677-67905

#### PC Board

139 Q1395-60002 Formatter (Main logic) board 140 RG1-4307-000CN Engine controller PC board

RG5-4277-000CN Tray 3 controller board - Paper feed drive PCA - 250 Tray Controller Board - Paper Feed Drive PCA

RM1-0339-000CN Engine controller assembly - Engine controller PC board and back plate

#### **Power Supply**

RG1-4306-020CN Power supply PCA - Power supply board only - For 110V-127V operation
RG1-4329-020CN Power supply PCA - Power supply board only - For 220V-240V operation

RM1-0340-000CN Power supply assembly - Includes frame, insulator, sensor holder and PCA - For 100V-127V operation

RM1-0340-020CN New Part for RM1-0340-000CN

RM1-0340-020CN Power supply assembly - Includes frame, insulator, sensor holder and PCA - For 100V-127V operation RM1-0341-000CN Power supply assembly - Includes frame, insulator, sensor holder and PCA - For 220-240VDC operation

### **Paper Path Parts**

#### Arm

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RB2-6310-000CN Paper sensor lever - Senses paper at pickup roller

RB3-0905-000CN Paper sensor arm - Flag for registration photosensor

### Belt

150 RC1-0918-000CN Paper feed belt - Small black belt between paper feed roller and small pulleys toward front - 3 used

#### Extender

RB2-3036-000CN Tray 1 extender - Pull-out tray extension

#### Extension

152 RB2-6404-000CN Tray 1/MP Tray extension - Flip-out extension part of tray connected to the pull-out extension of tray assembly

#### Fusing Assembly

RM1-0354-000CN Fusing roller assembly (For 110V operation) - Bonds toner to paper with heat

RM1-0354-050CN New Part for RM1-0354-000CN

154 RM1-0355-050CN Fusing roller assembly (For 220V - 240V operation) - Bonds toner to paper with heat

#### Guard

155 RC1-0919-000CN Leakage prevention sheet - Prevents toner from leaking on media



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Paper Path Pa	arts
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156 RB2-6401-000CN Rear paper guide - Attaches to base of rear output bin

157 RG5-5548-000CN Reverse guide assembly - Guides paper back into printer to print back side when in duplex mode.

RM1-0362-000CN Upper delivery guide - Has four separate rollers and springs

RM1-0363-000CN Delivery roller guide - Supports delivery roller

#### Laser/Scanner

160 RM1-0313-020CN Laser/Scanner Assembly - Mounts on top of print structure

#### Pad

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161 RC1-0939-000CN Separation pad - Tray 1 separation pad - Does not include holder

RM1-0345-000CN Separation Pad assembly - Separation pad and holder

#### Pickup Assembly

163 RM1-0332-000CN Paper pickup assembly - Paper pickup assembly for Tray 2 paper cassette

#### **Plate**

164 RC1-0912-000CN Center feeding plate - Middle metal piece in center of printer paper path Left feeding plate - Left side metal piece in center of printer paper path 165 RC1-0913-000CN 166 RC1-0914-000CN Right feeding plate - Right side metal piece in center of printer paper path

167 RC1-0915-000CN Front feeding plate - Small front side metal pieces in center of printer paper path - 2 used

#### **Pulley**

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RC1-0933-000CN Belt pulley - Small pulley opposite paper feed shaft for paper feed belt - 3 used

#### Roller

169 RB2-6277-000CN Top output bin roller - Lower of the two middle set of rollers - 2 used 170 RB2-6288-000CN Roller guide - Small white plastic roller in rear paper output tray - 2 used

RB2-6304-000CN Pick-up roller assembly - Rubber roller on a short shaft with slots on the end - Does NOT include the two flanking hard

plastic rollers

172 RB2-6400-000CN Face-Down Delivery roller - Lower rollers - Four used

RC1-0920-000CN Paper feed roller - White plastic shaft with three rollers that drive the three paper feed belts

RC1-0945-000CN Pickup roller - MP/Tray 1 pickup roller

RG5-5555-000CN Feed roller assembly - Feed roller for tray 2

RG5-5555-020CN New Part for RG5-5555-000CN

RM1-0371-000CN Face-down output roller - Black roller shaft with four gray soft rollers attached and white plastic mounting tab on one end

## Roller Assembly

177 RG5-5542-050CN Face down delivery roller assembly - Middle two roller assemblies in center of top output bin

RM1-0343-000CN Transfer roller assembly - Includes left side bushing

RM1-0347-000CN Registration Assembly - Registration shutter and roller with holder frame assembly

RM1-0370-000CN Face down top output bin delivery roller assembly - Includes roller and holder

#### Tray

181 Rear output tray - Drop down face up rear paper output tray RB2-6287-000CN

182 RM1-0353-000CN Tray 1 paper input - Adjustable paper width portion of Tray 1 assembly - Mounts above pull-out extension

#### Tray Assembly

RG5-5575-000CN Tray 1/MP Tray assembly - Drop down tray on front of printer

#### Paper Tray Parts

### Arm

RB2-3004-000CN Release arm - Left side lifting plate release arm RB2-3005-000CN Release arm - Right side lifting plate release arm RB2-3009-030CN Lock arm - Locks rear paper length adjustment plate



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### **Paper Tray Parts**

Arm

RB2-3010-000CN Paper sensor arm - Indicates on front cover the quantity of paper in tray

Cover

RB2-3000-000CN Front cover - Front cover and pull handle for paper tray

Gear

RS6-0440-000CN Gear - 10 tooth - Mechanical connection between right and left side paper plates

Holder

RL1-0171-000CN Pad holder - Separation pad holder on front of tray

**Pad** 

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RC1-0954-000CN Separation pad assembly in front portion of 250 sheet tray

**Plate** 

RB2-3003-020CN Rear end plate of paper cassette

RF5-2599-000CN Upper lifting plate

RF5-2606-000CN Adjustable width plate - Right side paper width stop plate RG5-4159-000CN Adjustable width plate - Left side paper width stop plate

Spring

RB2-3012-000CN Leaf spring - Provides side tension for paper in tray

RS6-2020-000CN Plate spring - Provides pressure for paper lifting plate

RS6-2021-000CN Pad spring - Provides tension for separation pad on front of paper tray

RS6-2035-000CN Plate spring - Provides tension for left side width plate

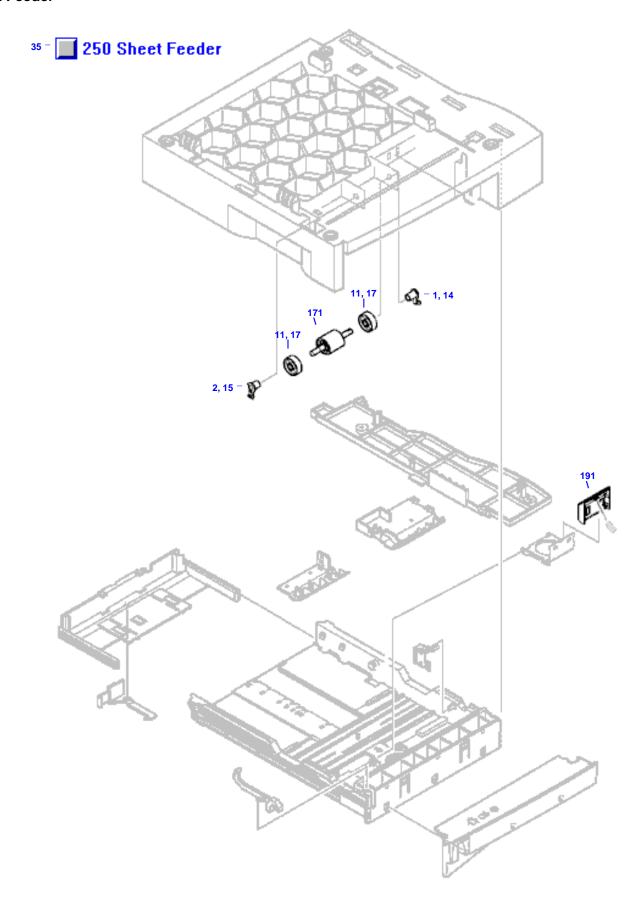
Tray

R98-1003-140CN 250 sheet paper tray - Adjusts for letter, legal, Executive, and A4 paper - Used for tray 2 and optional tray 3

RM1-0350-000CN 250 Sheet paper tray - Adjusts for Letter, Legal, Exec, A4 - Used for Tray 2 and optional Tray 3

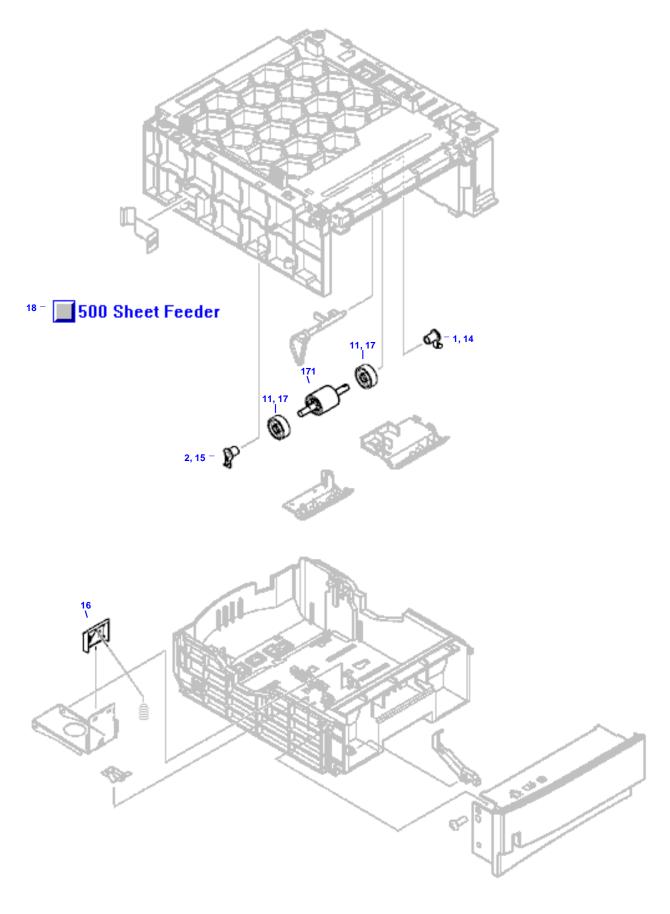


### 250 Sheet Feeder



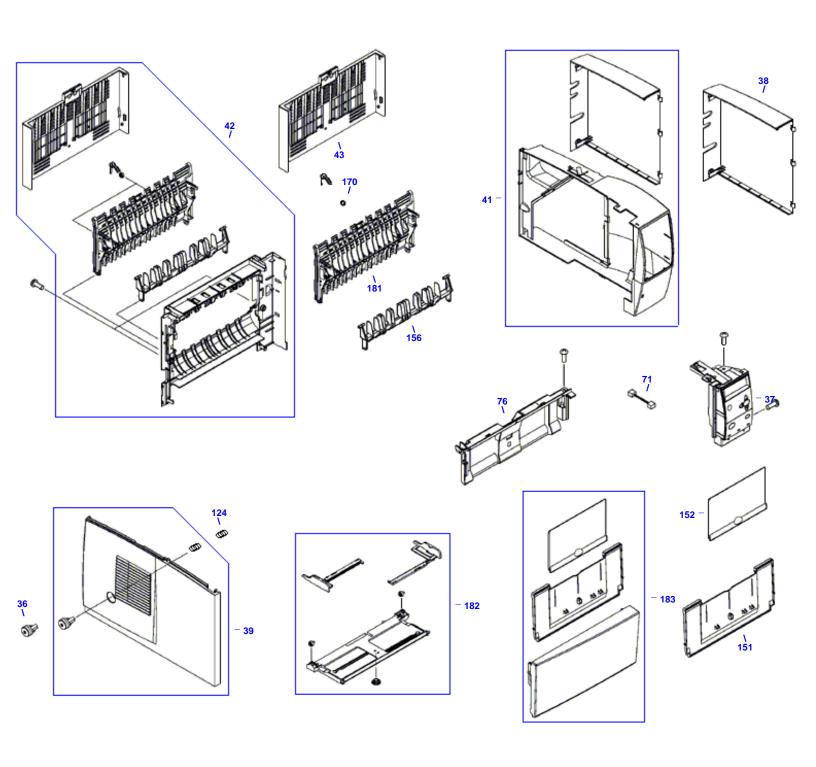


### 500 Sheet Feeder



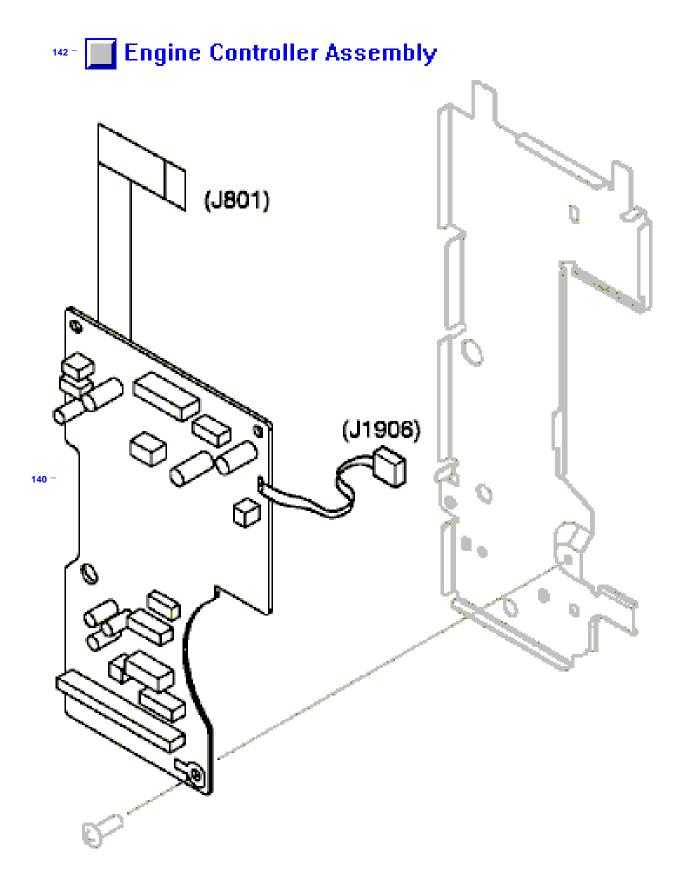


### **Covers and Panels**



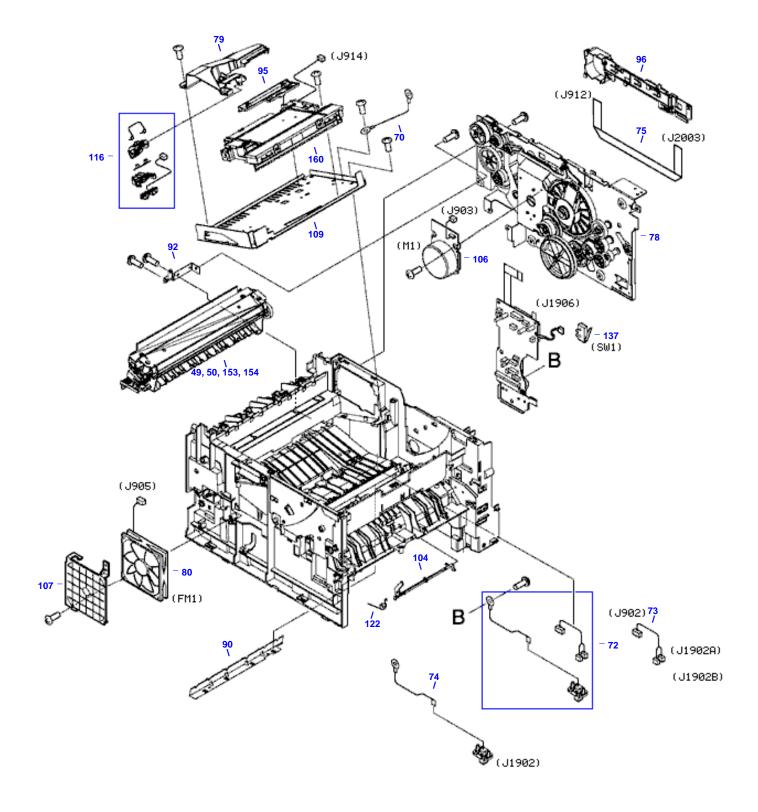


## **Engine Controller**



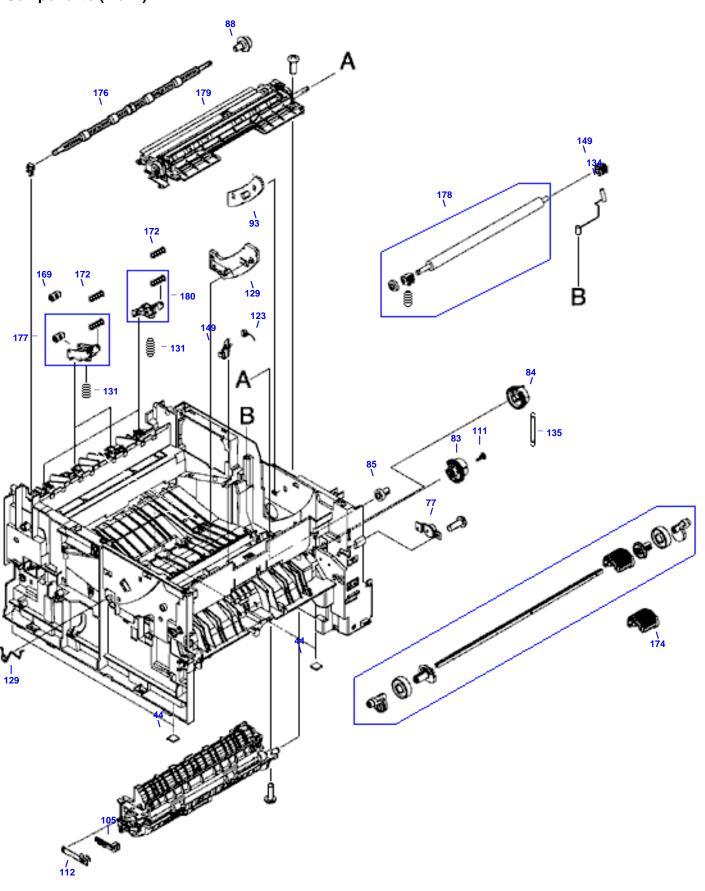


## **Internal Components (1 of 4)**



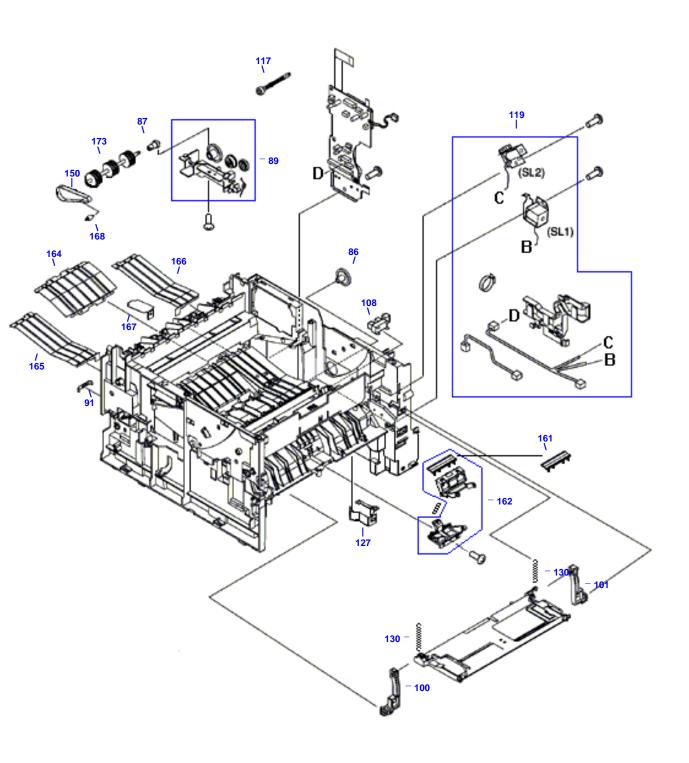


**Internal Components (2 of 4)** 



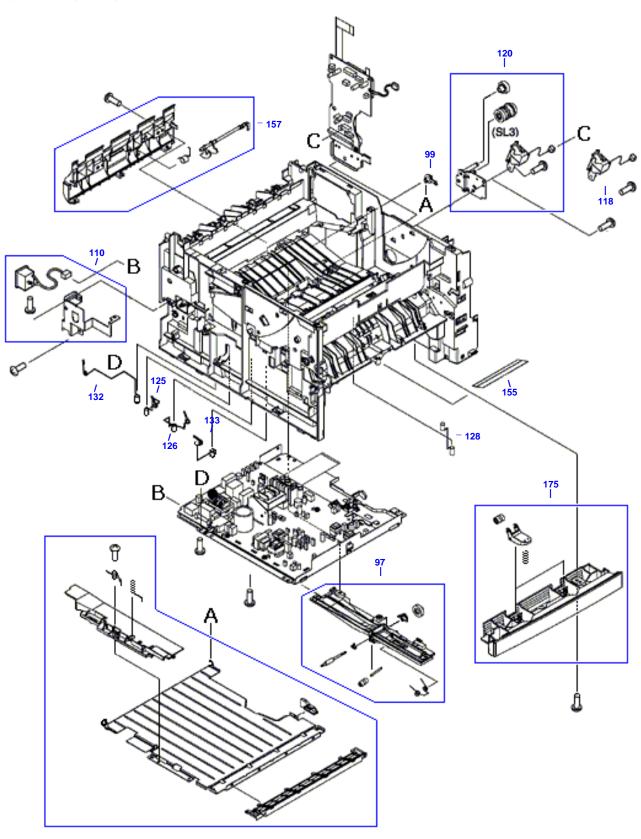


Internal Components (3 of 4)



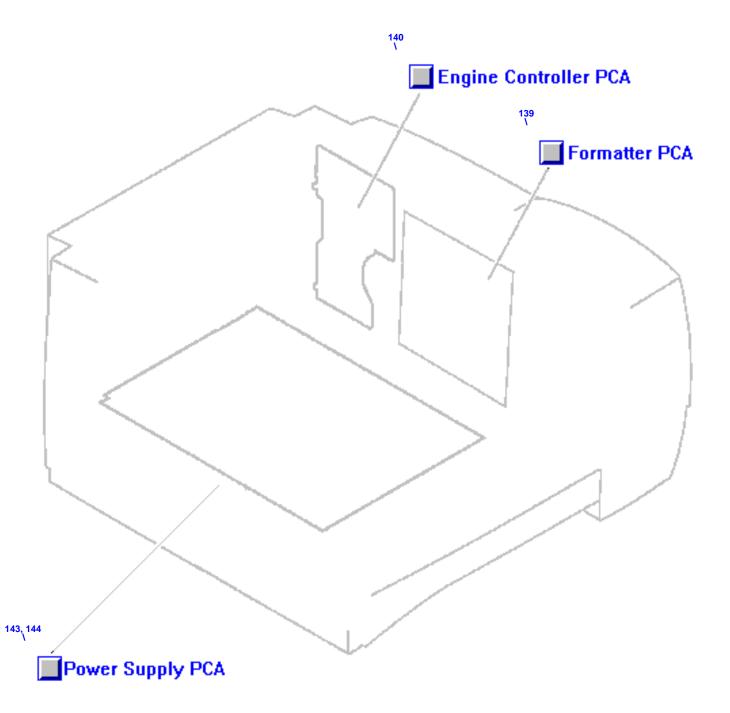


Internal Components (4 of 4)



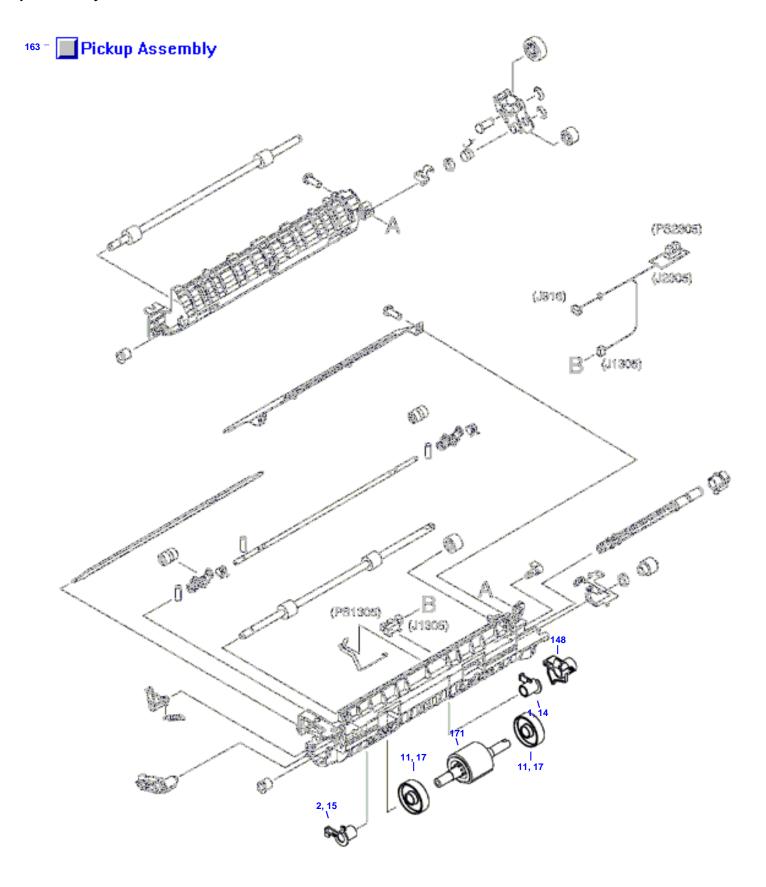


### **PCA Locations**





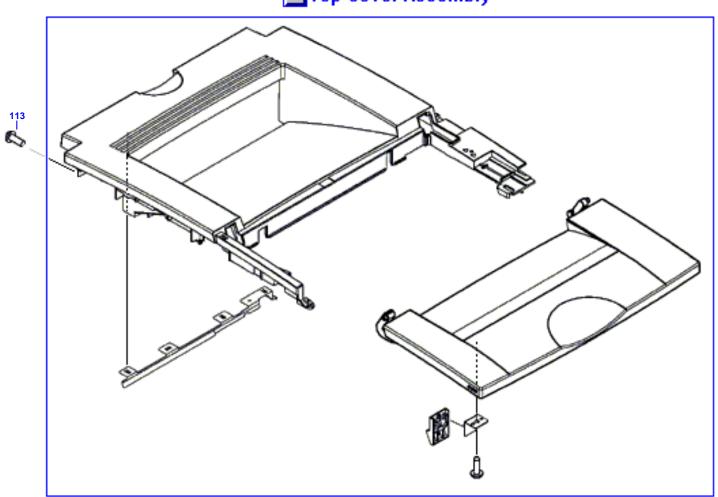
# **Pickup Assembly**





**Top Cover Assembly** 

# 40 - Top Cover Assembly







# **HP Parts Reference Guide**

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# **HP Parts Ordering Information**

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