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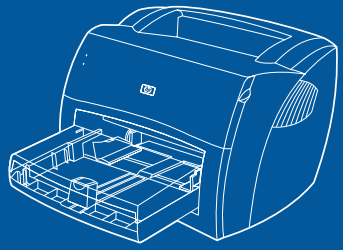

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Safety Information

WARNING!

Potential Shock Hazard

Always follow basic safety precautions when using this product to reduce risk of injury from fire or electric shock.

1. Read and understand all instructions in the user guide.
2. Observe all warnings and instructions marked on the product.
3. Use only a grounded electrical outlet when connecting the HP LaserJet 1000 printer to a power source. If you don’t know whether the outlet is grounded, check with a qualified electrician.
4. Do not touch the contacts on the end of any of the sockets on the HP LaserJet 1000 printer. Replace damaged cords immediately.
5. Unplug this product from wall outlets before cleaning.
6. Do not install or use this product near water or when you are wet.
7. Install the product securely on a stable surface.
8. Install the product in a protected location where no one can step on or trip over the power cord and the power cord will not be damaged.
9. If the product does not operate normally, see the online user guide.
10. Refer all servicing questions to qualified personnel.

Information regarding FCC Class B, Parts 15 and 68 requirements can be found in the user guide.

Contents

Figures

Tables

1 Product information

Introduction 2
Printer features 2
Product specifications 3
Identification 3
Specification tables 4
Overview of printer 6
Front and side view 6
Back and side view 7
Warranty statement 8
Extended warranty 9
Toner cartridge information 10
Refilled toner cartridges 10
Recycling of toner cartridges 10

2 Removal and replacement

Removal and replacement strategy 13
Required tools 13
Before performing service 13
Parts removal order 14
Toner cartridge 15
External assemblies 16
Media tray 16
Cable pod 17
Left side cover 18
Back cover 19
ECU PCB fuse 21
Output sensor 22
Motor 23
Right side cover 24
Solenoid 27

Top cover 29
Connector PCB Assembly 30
LED status panel 31
Front cover. 32
Toner cartridge door 34
Front guide 36
Internal assemblies 39
Transfer roller 39
Laser/scanner assembly. 40
Fuser assembly. 42
Output rollers 46
Face-down delivery assembly 46
Face-up roller 47
Right plate assembly. 48
Pickup assembly. 50
Pickup roller assembly 53
Paper lift plate assembly 54
Left plate assembly. 55
Bottom assemblies 56
ECU pan 56
Paper-feed assembly 60

3 Troubleshooting

Basic troubleshooting 64
Errors. 67
LED status lights 67
Additional error messages 70
Checking the toner cartridge 71
To redistribute toner in the cartridge. 71
Solving image-quality problems 72
Solving print image-quality problems 72
Solving paper-feed problems 77
Functional checks 79
Engine test 79
Printing an engine test 79
Half self-test functional check 81
To perform a half self-test check 81
To perform other checks. 81
Drum rotation functional check 82
Heating-element check 83
High-voltage power supply check 84
To check the toner cartridge connection points 84
To check the high-voltage connector assembly 85
Paper-path check 86
To override SW301. 86
Troubleshooting tools 87

Repetitive image defect ruler 87
Location of ECU Connectors 88
Location of printer connectors. 89

4 Parts and diagrams

Ordering parts and supplies 92
Parts 92
Related documentation and software 92
Consumables 92
Accessories 93
How to use the parts lists and diagrams 94
Common hardware 94
Media tray and cable pod 95
Part numbers 95
Covers. 96
Part numbers 97
Internal assemblies 98
Internal components (1 of 2). 98
Part numbers 99
Internal components (2 of 2). 100
Part numbers 101
Electrical components. 102
Part numbers 103
Paper pickup assembly (1 of 2) 104
Part numbers 105
Paper pickup assembly (2 of 2) 106
Part numbers 107
Fuser assembly. 108
Part numbers 109
Alphabetical parts list 110
Numerical parts list 112

Index

Figures

Figure 1. Model and serial number label 3
Figure 2. Front and side view 6
Figure 3. Back and side view 7
Figure 4. Remove the toner cartridge 15
Figure 5. Remove the media tray 16
Figure 6. Remove the cable pod 17
Figure 7. Remove the left side cover 18
Figure 8. Open the straight-through output door 19
Figure 9. Remove the back cover 20
Figure 10. Remove the ECU PCB fuse 21
Figure 11. Remove the output sensor 22
Figure 12. Remove the motor (fuser removed for clarity) 23
Figure 13. Remove the right side cover mounting screw 24
Figure 14. Release the right side cover tab 25
Figure 15. Remove the right side cover 26
Figure 16. Disconnect the solenoid wire harness 27
Figure 17. Remove the solenoid 28
Figure 18. Remove the top cover 29
Figure 19. Remove the connector assembly 30
Figure 20. Remove the LED status panel 31
Figure 21. Remove the front cover mounting screws 32
Figure 22. Remove the front cover 33
Figure 23. Release the toner cartridge door connecting links . . .34
Figure 24. Remove the toner cartridge door 35
Figure 25. Remove the front guide assembly 36
Figure 26. Release the front guide assembly tabs (right side) . . .37
Figure 27. Release the front guide assembly tabs (left side) 38
Figure 28. Remove the transfer roller 39
Figure 29. Disconnect the laser/scanner harnessing 40
Figure 30. Remove the laser/scanner 41
Figure 31. Remove the right fuser bracket 42
Figure 32. Remove the left fuser bracket 43
Figure 33. Remove the fuser mounting screws 44
Figure 34. Remove the fuser assembly 45
Figure 35. Remove the output rollers 46
Figure 36. Remove the face-up rollers 47
Figure 37. Remove the gear-clutch assembly 48

Figure 38. Remove the right plate assembly mounting screws . .49
Figure 39. Remove the pickup assembly mounting screw 50
Figure 40. Remove the top pickup assembly mounting screws . .51
Figure 41. Remove the metal shield. 52
Figure 42. Remove the pickup roller assembly 53
Figure 43. Remove the paper lift plate assembly 54
Figure 44. Remove the left plate assembly 55
Figure 45. Disconnect the ECU wire harnesses. 56
Figure 46. Remove the ECU mounting screws 57
Figure 47. Remove the ECU pan 58
Figure 48. Remove the ECU PCB from the pan. 59
Figure 49. Remove wire harnesses 60
Figure 50. Remove the paper-feed assembly 61
Figure 51. Release the paper-feed roller 62
Figure 52. LED status lights location 67
Figure 53. Engine-test button 79
Figure 54. Connectors for the heating element check 83
Figure 55. High-voltage connection points (right side) 84
Figure 56. High-voltage connection points (left side) 84
Figure 57. High-voltage connector assembly (right side) 85
Figure 58. High-voltage connector assembly (left side) 85
Figure 59. Override SW301 86
Figure 60. Repetitive image defect ruler. 87
Figure 61. HP LaserJet 1000 ECU PCB. 88
Figure 62. Printer connectors 89
Figure 63. Media tray and cable pod 95
Figure 64. HP LaserJet 1000 covers 96
Figure 65. Internal components (1 of 2) 98
Figure 66. Internal componentsm (2 of 2) 100
Figure 67. Electrical components 102
Figure 68. Paper pickup assembly (1 of 2). 104
Figure 69. Paper pickup assembly (2 of 2). 106
Figure 70. Fuser assembly 108

Tables

Table 1. HP LaserJet 1000 Series printer features 2
Table 2. Physical specifications 4
Table 3. Environmental specifications 4
Table 4. Power specifications 4
Table 5. Print operating acoustical emissions specifications 5
Table 6. Skew specifications 5
Table 7. Basic troubleshooting 64
Table 8. LED status lights legend 67
Table 9. Status lights messages 68
Table 10. Error messages (no LED status panel pattern) 70
Table 11. Solving print image-quality problems 72
Table 12. Solving paper-feed problems 77
Table 13. Engine test troubleshooting 80
Table 14. ECU connectors 88
Table 15. Printer connectors 89
Table 16. Technical support websites 92
Table 17. Accessories 93
Table 18. Common fasteners 94
Table 19. Printer tray and cover 95
Table 20. Covers 97
Table 21. Internal components (1 of 2) 99
Table 22. Internal components (2 of 2) 101
Table 23. Electrical components 103
Table 24. Paper pickup assembly (1 of 2) 105
Table 25. Paper pickup assembly (2 of 2) 107
Table 26. Fuser assembly 109
Table 27. Alphabetical parts list 110
Table 28. Numerical parts list 112

1 Product information

Chapter contents

Introduction 2
Printer features 2
Product specifications 3
Identification 3
Overview of printer 6
Front and side view 6
Back and side view 7
Warranty statement 8
Extended warranty 9
Toner cartridge information 10
Refilled toner cartridges 10
Recycling of toner cartridges 10

Introduction

This manual contains the necessary information to service the HP LaserJet 1000 Series printer. Service topics include printer features, product specifications, location of model and serial numbers, warranty information, toner cartridge information, part removal procedures, troubleshooting procedures, and an illustrated parts chapter.

Hint See the HP LaserJet 1000 Series printer user guide for information about printer installation, use, and operation.

Printer features

Table 1. HP LaserJet 1000 Series printer features

Speed	• 10 pages per minute (ppm) letter-size media
Resolution	• 600 dot-per-inch (dpi) printing
Connectivity	• 1.1 universal serial bus (USB) port • External cable pod (formatter) • The HP LaserJet 1000 Series printer is designed for use *only* with an IBM-compatible computer
Media handling	• 250-sheet input tray • 125-sheet output bin
Toner	• 2500 page toner cartridge life
Duty cycle	• 1000 page-per-month average
Memory	• 1 MB SDRAM
Microsoft® operating systems supported	• Windows® 98 • Windows 2000 • Windows Millennium Edition (Me) • Windows XP
PCL printer language	• Enhanced PCL 5e (with MS-DOS® emulation)

Identification

The model number and serial numbers are listed on an identification label located on the bottom of the printer. The serial number contains information about the country of origin and the revision level, production code, and production number of the printer. The label also identifies power rating and regulatory information.

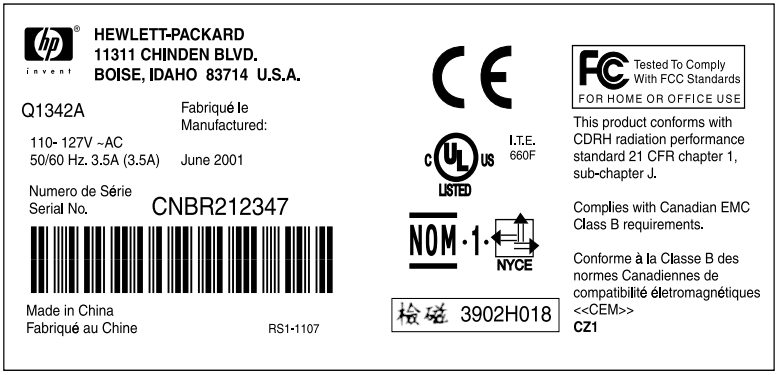

Figure 1. **Model and serial number label**

Specification tables

Table 2. Physical specifications

Category	Specification
Height	253 mm (10 inches)
Depth	486 mm (19.1 inches)
Width	415 mm (16.3 inches)
Weight (toner cartridge installed)	7.3 kg (16.1 lb)

Table 3. Environmental specifications

Category	Specification
Operating environment (printer plugged into an ac outlet)	• Temperature: 15° to 32.5° C (59° to 90.5° F) • Humidity: 10 to 80 percent relative humidity (no condensation)
Printer storage environment (printer not plugged into an ac outlet)	• Temperature: -20° to 60° C (-4° to 140° F) • Humidity: 10 to 90 percent relative humidity (no condensation)
Toner cartridge storage environment (printer not plugged into an ac outlet)	• Temperature: -20° to 40° C (-4° to 104° F) • Humidity: 10 to 90 percent relative humidity (no condensation)

Table 4. Power specifications

Category	Specification
Power requirements	• 110 Vac (± 12 percent), 60 (± 3) Hz; 127 Vac (± 12 percent), 60 (± 3) Hz -Or- • 220 Vac (± 12 percent), 50/60 (± 3) Hz • 240 Vac (± 12 percent), 50 (± 3) Hz **WARNING!** Power sources are not interchangeable. **CAUTION** To prevent damage to the printer, always connect it to a surge-protected power source.

Table 4. Power specifications (continued)

Category	Specification
Power consumption (in continuous copy mode)	285 W
Power consumption (idle)	7 W
Power consumption (off)	0 W
Minimum recommended circuit capacity	4.5 A at 115 V 2.3 A at 230 V

Table 5. Print operating acoustical emissions specifications

Category	Specification
Sound power level, L_{WAd} (1 bel = 10 decibels)	6.1 dB(A)
Sound pressure level, L_{pAm} (operator position)	56 dB(A)
Sound pressure level, L_{pAm} (bystander position)	48 dB(A)

Table 6. Skew specifications

Category	Specification
Print skew—left	0.8 percent (2 mm on media 250 mm in length) for cut-sheet media 1.5 percent (3.3 mm on media 220 mm in length) for cut-sheet media 0.87 percent (1.65 mm on media190 mm in width) for cut-sheet media
Print skew—right	1.5 percent (3.3 mm on media 220 mm in width) for envelopes, postcards, A5, and cut-sheet media
Cut-sheet leading edge skew	0.87 percent (1.6 mm on media 190 mm in width)

Front and side view

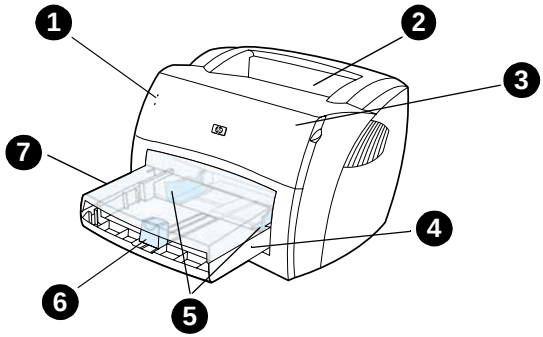

Figure 2. **Front and side view**

1 LED status lights

2 Output bin

3 Toner cartridge door

4 Input tray

5 Sliding side media guides

6 Long media support for the input tray

7 Input tray cover

Back and side view

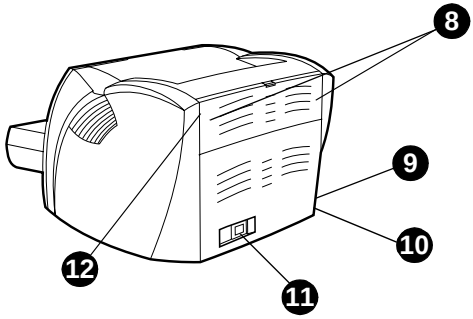

Figure 3. **Back and side view**

8 Media jam release levers

9 Port for the USB cable pod

10 Engine test button

11 Power receptacle

12 Straight-through output door

Warranty statement

DURATION OF WARRANTY: One year from date of purchase

1 HP warrants to you, the end-user customer, that HP hardware, accessories, and supplies, will be free from defects in materials and workmanship after the date of purchase, for the period specified above. The customer is responsible for maintaining proof of date of purchase. If HP receives notice of such defects during the warranty period, HP will, at its option, either repair or replace products which prove to be defective. Any replacement products may be either new or like-new, provided that it has functionality at least equal to that of the product being replaced.

2 HP warrants to you that HP software will not fail to execute its programming instructions after the date of purchase, for the period specified above, due to defects in material and workmanship when properly installed and used. If HP receives notice of such defects during the warranty period, HP will replace software media which does not execute its programming instructions due to such defects.

3 HP does not warrant that the operation of HP products will be uninterrupted or error free. If HP is unable, within a reasonable time, to repair or replace any product to a condition as warranted, you will be entitled to a refund of the purchase price upon prompt return of the product.

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Extended warranty

HP SupportPack provides coverage for the HP hardware product and all HP-supplied internal components. The hardware maintenance warranty covers a three-year period from the date of the HP product purchase. The customer must purchase the HP SupportPack (document number is 9036) within 180 days of the HP product purchase. Customers can contact the nearest HP-authorized dealer about this service.

Toner cartridge information

The toner cartridge is designed to simplify replacement of the major consumable parts. The toner cartridge contains the printing mechanism and a supply of toner.

At five percent page coverage, a toner cartridge prints approximately 2500 pages. However, a toner cartridge should print more pages if it regularly prints pages with less coverage, such as short memos. The cartridge might print fewer pages if heavy or bold print is used.

For best results, always use a toner cartridge before the expiration date stamped on the toner cartridge box.

Refilled toner cartridges

Although Hewlett-Packard does not prohibit the use of refilled toner cartridges during the warranty period or while the printer is under a maintenance contract, it is not recommended for the following reasons:

- Repairs resulting from the use of refilled toner cartridges are not covered under Hewlett-Packard warranty or maintenance contracts.
- Hewlett-Packard has no control or process to ensure that a refilled toner cartridge functions at the high level of reliability of a new HP LaserJet toner cartridge. Hewlett-Packard also cannot predict the long-term reliability effect on the printer from using different toner formulations found in refilled cartridges.
- The print quality of HP LaserJet toner cartridges influences the customer's perception of the printer. Hewlett-Packard has no control over the actual print quality of a refilled toner cartridge.

Recycling of toner cartridges

In order to reduce waste, Hewlett-Packard offers a recycling program. Cartridge components that do not wear out are recycled. Plastics and other materials are recycled. Hewlett-Packard pays the shipping costs from the user to the recycling plant (within the United States). To join this recycling effort, follow the instructions inside the toner cartridge box.

2 Removal and replacement

Chapter contents

Required tools 13
- Before performing service 13
- Toner cartridge 15
- Parts removal order 14

Toner cartridge 15
- Left side cover 18
- Back cover 19
- Back cover 19
- ECU PCB fuse 21
- Motor 23
- Solenoid 27
- Connector PCB Assembly 30
- Front cover 32
- Toner cartridge door 34
- Front guide 36

Internal assemblies 39
- Transfer roller 39
- Laser/scanner assembly 40
- Output rollers 46
- Face-up roller 47
- Right plate assembly 48
- Right plate assembly 48
- Right plate assembly 48

Pickup assembly 50
Pickup roller assembly 53
Paper lift plate assembly 54
Left plate assembly 55
Bottom assemblies 56
ECU pan 56
Paper-feed assembly 60

Removal and replacement strategy

This chapter documents the removal and replacement of field replaceable units (FRUs) only. Replacement is generally the reverse of removal. Occasionally, notes and hints are included to provide directions for difficult or critical replacement procedures.

WARNING! Unplug the power cord from the power source before servicing the printer. Failure to follow this warning can result in personal injury or damage to the printer. Certain functional checks during troubleshooting require power supplied to the printer. However, power should be disconnected when removing assemblies.

Never operate the printer with the laser/scanner assembly exposed. The reflected beam, although invisible, can damage your eyes. When servicing the printer, replace the top cover *before* operating the printer.

CAUTION

The printer contains electrostatic discharge (ESD) sensitive components. Always perform service work at an ESD-protected workstation. If an ESD-protected workstation is not available, discharge body static and ground the printer chassis *before* servicing the printer.

Required tools

- #2 Phillips screwdriver with magnetic tip
- Small flat-blade screwdriver
- Needle-nose pliers
- penlight (optional)

Note Use of a Posidrive screwdriver damages screw-heads on the printer. Use a #2 Phillips screwdriver.

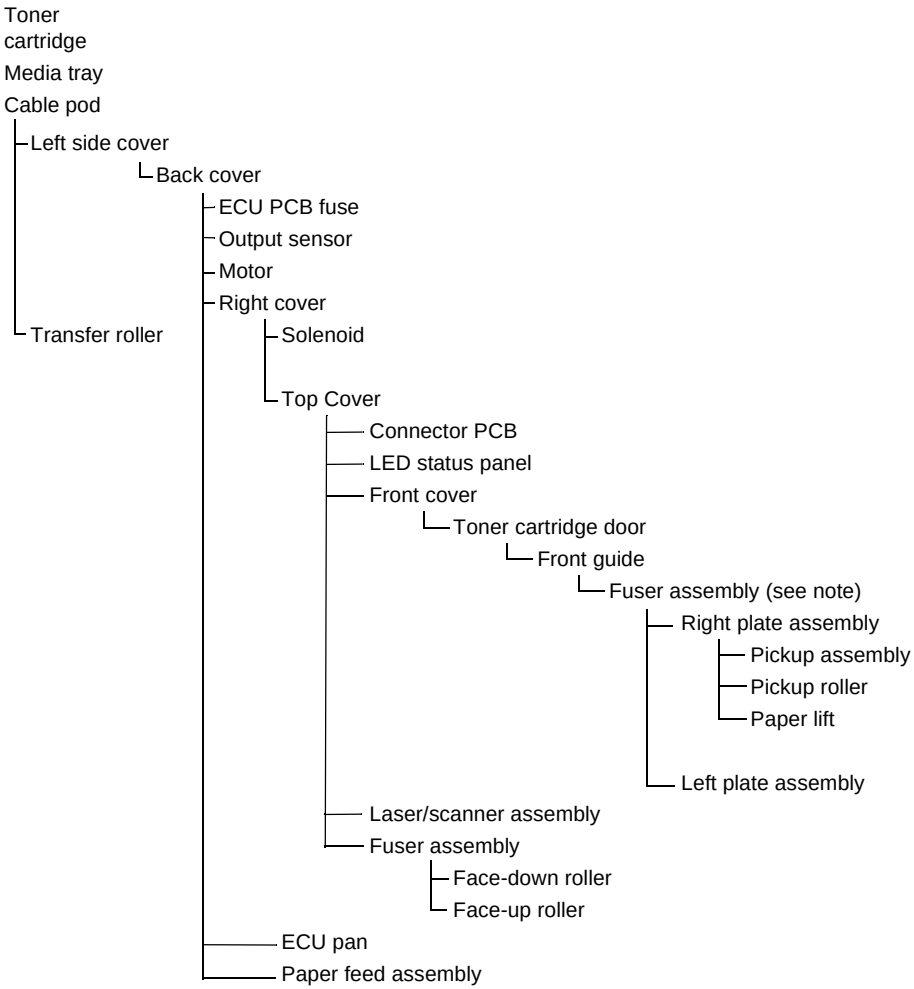
Hint To install a self-tapping screw, first turn it counterclockwise to align it with the existing thread pattern, then carefully turn it clockwise to tighten. Do not overtighten.

Before performing service

- Unplug the power cable and remove all media from the printer.
- Place the printer on an ESD mat or discharge body static and ground the printer chassis.
- Remove the toner cartridge and media tray. See “Toner cartridge” on page 15 and “Media tray” on page 16.

Parts removal order

Use the following diagram to determine the order in which parts must be removed.



Note The fuser assembly is intentionally listed twice.

Toner cartridge

CAUTION To prevent damage, do not expose the toner cartridge to light. Cover it with a piece of paper.

Note You will feel resistance when you open the toner cartridge door.

1. Open the toner cartridge door.
2. Remove the toner cartridge.

Figure 4. **Remove the toner cartridge**

Media tray

1. Lift off the media tray cover (callout 1).
2. Slightly tilt up the media tray and pull it away from the printer.

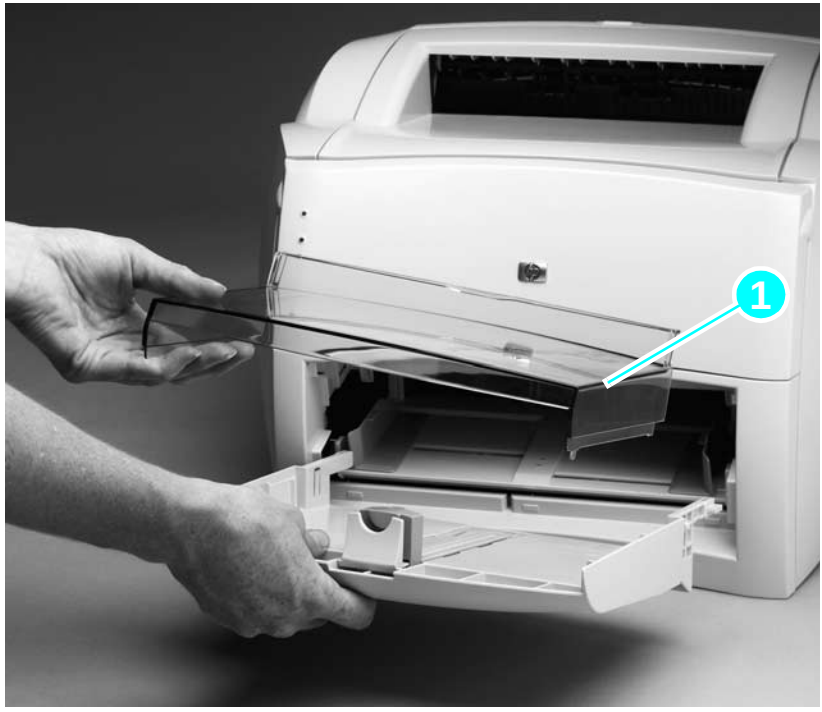


Figure 5. **Remove the media tray**

Cable pod

1 Turn the two pod thumbscrews counterclockwise until they turn freely.

2 Grasp the pod, and gently pull it away from the printer.

Figure 6. **Remove the cable pod**

Hint

For easier installation, start tightening the top thumbscrew (do not fully tighten) and then tighten the bottom thumbscrew when replacing the cable pod. Make sure to fully tighten both thumbscrews.

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Left side cover

1 Remove the following assemblies:

- Toner cartridge, media tray, and cable pod. See “Toner cartridge” on page 15 through “Cable pod” on page 17.

2 Open the toner cartridge door.

3 Remove the single left-cover retaining screw (callout 1).

4 Pull out on the rear of the cover and rotate it away from the printer.

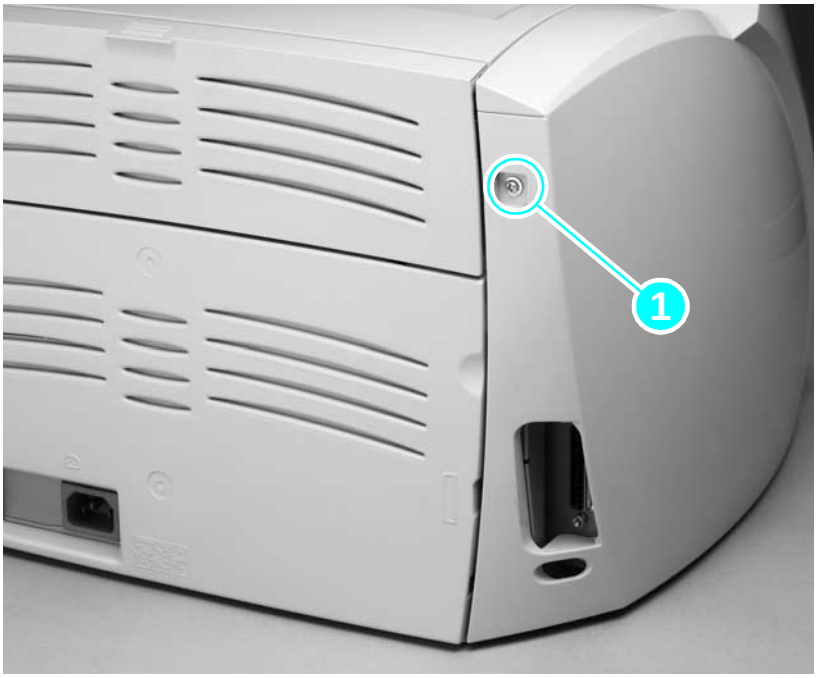

Figure 7. **Remove the left side cover**

Hint It might be necessary to release the left side cover-locking tab found under the printer.

Hint The left-side retaining screw is slightly longer than similar screws used in the printer. Keep this screw separated from other screws while servicing the printer to avoid misplacing it.

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