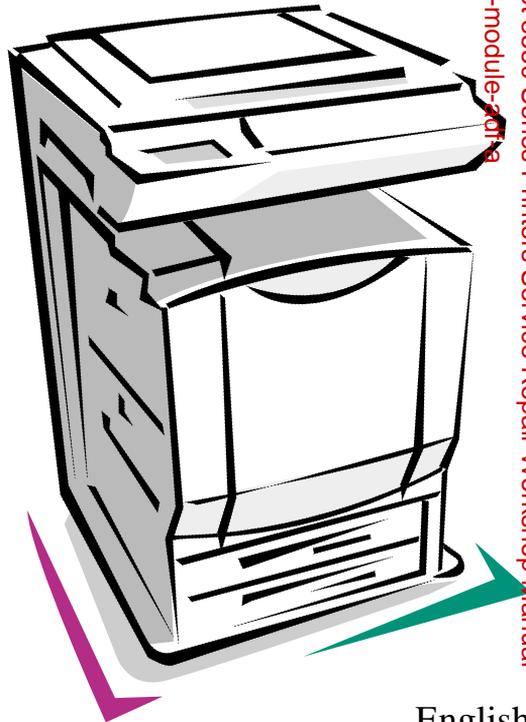


Color 
LaserJet™
8550 Printer

Copy Module
Automatic Document Feeder
High-Capacity Input
Service Manual



English

Product: HP Copy Module, ADF, and side HCI for HP Color LaserJet 8550 Series Printers Service
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HP Copy Module, ADF, and side
HCI for HP Color LaserJet 8550
series printers

_____ **Service Manual**

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WARNING

Electrical Shock Hazard

To avoid electrical shock, use only supplied power cords and connect only to properly grounded (3-hole) wall outlets.

Contents

1 Product information

Chapter contents	21
Introduction	23
Copy module	23
Automatic document feeder (ADF)	28
Side high-capacity input (side HCI)	32
Model and serial numbers	35
Safety and regulatory information	35

2 Service approach

Chapter contents	37
Service approach overview	39
Parts and supplies	39
Ordering	40
Technical assistance	42
Warranty	46

3 Operational overview

Chapter contents	47
Control panel	49
Copy module functionality	51
Self-diagnostic messages	59
Service mode	60

4 Adjustments and maintenance

Chapter contents	117
Overview	119
MFP print engine adjustments	119
Copy module adjustments	121
ADF adjustments	140
Side HCI adjustments	159
Periodically replaced parts	163
Cleaning	164
Lubricating	174

5 Theory of operation

Chapter contents	175
Introduction	177
Notes on the power switch	177
Copy module	178
ADF	244
Side HCI	304

6 Removal and replacement

Chapter contents	327
Required tools	331
Repair notices	332
Copy module	333
Automatic document feeder (ADF)	377
Side HCI	434

7 Troubleshooting

Chapter contents	455
System-to-device troubleshooting	457
Copy module troubleshooting	460
ADF troubleshooting	528
Side HCI troubleshooting	535

8 Parts and diagrams

Chapter contents	547
How to use this chapter	551
Printer parts unique to the HP Color LaserJet 8550MFP	552
Stand	555
Copy module	558
ADF	600
Side HCI	649
Numerical parts list	672
Alphabetical parts list	680

Index

Figures

Figure 1.	Copy module front left	26
Figure 2.	Copy module front right	26
Figure 3.	Copy module cross-section	27
Figure 4.	Automatic document feeder	30
Figure 5.	Automatic document feeder cross-section	31
Figure 6.	Front of side HCI	33
Figure 7.	Rear of side HCI	33
Figure 8.	Cross-section of side HCI	34
Figure 9.	Copy module control panel	49
Figure 10.	Service mode initial screen	61
Figure 11.	Service label (inside the lower front cover of the copy module)	62
Figure 12.	Example of a Level 1/Level 2 item screen	63
Figure 13.	Example of a Level 3 screen	64
Figure 14.	Copier, display mode Level 1/Level 2 screen	65
Figure 15.	JAM screen	71
Figure 16.	ERR screen	76
Figure 17.	Copier, I/O mode Level 1/Level 2 screen	77
Figure 18.	Copier, I/O mode Level 3 screen example	78
Figure 19.	Copier, adjust mode Level 1/Level 2 screen	83
Figure 20.	BLANK margins	91
Figure 21.	Copier, run/check mode Level 1/Level 2 screen	93
Figure 22.	Copier, machine settings mode Level 1/Level 2 screen	98
Figure 23.	Copier, test print mode Level 1/Level 2 screen	108
Figure 24.	Counter mode, Level 1/Level 2 screen	111
Figure 25.	Feeder screen, example of a Level 3 item	114
Figure 26.	Image and non-image width of the leading edge	122
Figure 27.	Image and non-image width of the left or right margin	122
Figure 28.	BLANK margins	123
Figure 29.	Adjusting horizontal registration	124
Figure 30.	Service label	129
Figure 31.	Standard white plate barcode	134
Figure 32.	Adjusting the ADF height	141
Figure 33.	DADF controller PCB cover	142
Figure 34.	DSW1 on the DADF controller PCB	142
Figure 35.	SW3 DADF controller PCB	143

Figure 36.	Testing the ADF adjustment	143
Figure 37.	Rear view of the ADF	144
Figure 38.	Adjusting screw	144
Figure 39.	DSW1 on the DADF controller PCB	145
Figure 40.	Testing adjustment	146
Figure 41.	Adjusting ADF document tray	146
Figure 42.	DSW1 on DADF controller PCB	147
Figure 43.	Measuring the copy paper stop position	148
Figure 44.	DSW1 on DADF controller PCB	149
Figure 45.	Positioning paper	150
Figure 46.	Retaining plate adjustment	151
Figure 47.	Measuring the distance from the copyboard glass to the ADF	151
Figure 48.	Preparing test strips for measuring feeding power	152
Figure 49.	DADF controller cover	152
Figure 50.	DSW1 on DADF controller PCB	153
Figure 51.	Measuring feeding power	153
Figure 52.	Lock nut glued in place	154
Figure 53.	ADF sensors	155
Figure 54.	LED 1 and 2 on DADF controller PCB	156
Figure 55.	DADF controller PCB	157
Figure 56.	Wing nuts on the adjustment screws	159
Figure 57.	Base plate securing screws	160
Figure 58.	Paper guide fixing screws	161
Figure 59.	Paper guides	161
Figure 60.	Paper size card	162
Figure 61.	Copyboard glass	165
Figure 62.	Copyboard cover	165
Figure 63.	Belt assembly	168
Figure 64.	Document tray	168
Figure 65.	Sensors	169
Figure 66.	Sensor S1	169
Figure 67.	Reflecting face sensor	170
Figure 68.	Registration sensor	170
Figure 69.	Guide plate	171
Figure 70.	Registration sensor	171
Figure 71.	Registration sensor LED3 cover	172
Figure 72.	Light-emitting face	172
Figure 73.	Separation guide	173
Figure 74.	Control panel power soft switch, copy module rear power switch, and power plug	177
Figure 75.	Copy module	178
Figure 76.	Electrical circuitry	179

Figure 77.	Inputs to and outputs from the reader controller PCB (1 of 3)	180
Figure 78.	Inputs and outputs from the reader controller PCB (2 of 3)	181
Figure 79.	Inputs and outputs from the reader controller PCB (3 of 3)	182
Figure 80.	Basic sequence of operations at power-on	183
Figure 81.	A4- and letter-size, 2 copies, 4-color, Direct, and cassette 1 sequence of operations (1 of 2)	185
Figure 82.	A4- and letter-size, 2 copies, 4-color, Direct, and cassette 1 sequence of operations (2 of 2)	186
Figure 83.	Cross-section of exposure system	188
Figure 84.	Exposure system mechanics	188
Figure 85.	A4- and letter-size, 2 copies, 4-color, Direct, cassette 1 sequence of operations	189
Figure 86.	Scanner movement	190
Figure 87.	Scanner motor circuit	191
Figure 88.	Changing the reproduction ratio	192
Figure 89.	Controlling the scanning lamp	193
Figure 90.	Paper selection sensors	197
Figure 91.	Sensor operation	198
Figure 92.	Image processing unit	200
Figure 93.	CCD lines and filters	201
Figure 94.	CCD circuit	202
Figure 95.	Analog circuit	203
Figure 96.	G image signal	205
Figure 97.	Digital image processing	207
Figure 98.	Scanning lamp and lens	208
Figure 99.	Shading correction measurement	209
Figure 100.	CCD position matching	210
Figure 101.	Text identification	211
Figure 102.	Sensor color correction measurement	212
Figure 103.	Background pixel measurement	213
Figure 104.	Input level	215
Figure 105.	Weak and strong sharpness	215
Figure 106.	Original density compared to CCD output	216
Figure 107.	Density level conversion	216
Figure 108.	BGR and YMC levels	217
Figure 109.	BGR to YMC conversion	218
Figure 110.	Gray components	219
Figure 111.	Bk signal	220
Figure 112.	UCR amount	220
Figure 113.	Chromatic absorption characteristics	221
Figure 114.	Enlargement/correction	223

Figure 115.	Image shifts	224
Figure 116.	Shift in main and sub-scanning directions	224
Figure 117.	Center Shift	225
Figure 118.	Mirror image	226
Figure 119.	Mirror image principle	226
Figure 120.	Image repeat	227
Figure 121.	Image repeat principle	227
Figure 122.	Slant	228
Figure 123.	Slant principle	228
Figure 124.	Curve for items A through D	229
Figure 125.	Curve for black-and-white text mode	229
Figure 126.	Framing	230
Figure 127.	Blanking	230
Figure 128.	Control panel	233
Figure 129.	Copy module fan	234
Figure 130.	Cooling fan engaged	234
Figure 131.	Power	236
Figure 132.	Copy module power distribution	237
Figure 133.	Copy module general circuit diagram (1 of 2)	240
Figure 134.	Copy module general circuit diagram (2 of 2)	242
Figure 135.	ADF electrical circuitry	244
Figure 136.	Operation mode communication	245
Figure 137.	Inputs to the DADF controller PCB (1 of 2)	246
Figure 138.	Inputs to the DADF controller PCB (2 of 2)	247
Figure 139.	Outputs to the DADF controller PCB	248
Figure 140.	ADF motors	249
Figure 141.	Top pick-up path	251
Figure 142.	Face-up (left) output tray	253
Figure 143.	Face-down (top) output tray	254
Figure 144.	Page composition copy sequences	255
Figure 145.	Picking up originals	256
Figure 146.	Pick-up path	257
Figure 147.	Feeding sequence	258
Figure 148.	Feeding	258
Figure 149.	Second original pick-up	259
Figure 150.	Sequence of operations (A4, 2 originals, top pick-up mode)	260
Figure 151.	Picking up for the first side	261
Figure 152.	Reversing from the first side to the second side	261
Figure 153.	Sequence of operations (reversal)	262
Figure 154.	Placement of first original	263
Figure 155.	Positioning the first original and pick-up of second original	263
Figure 156.	Movement of first and second originals	264

Figure 157.	Delivery of originals	264
Figure 158.	Sequence of operations (reduced page composition; top pick-up)	265
Figure 159.	Delivery path	266
Figure 160.	Feeding the first original	266
Figure 161.	Delivering the first original and picking up the second original	267
Figure 162.	Sequence of operations (small size, pick-up and delivery)	268
Figure 163.	Detecting an original	269
Figure 164.	Document tray	270
Figure 165.	Registration rollers	271
Figure 166.	Horizontal detection	272
Figure 167.	Placement of original	274
Figure 168.	Control of pick-up motor	275
Figure 169.	Control of belt motor	277
Figure 170.	ADF jam sensors	279
Figure 171.	Improper placement of originals	282
Figure 172.	Jam flowchart	284
Figure 173.	Power supply	285
Figure 174.	Motors, solenoids, and sensors	286
Figure 175.	PCB locations	287
Figure 176.	Indicator PCB	288
Figure 177.	ADF general circuit diagram	290
Figure 178.	ADF controller circuit diagram (1 of 7)	292
Figure 179.	ADF controller circuit diagram (2 of 7)	294
Figure 180.	ADF controller circuit diagram (3 of 7)	296
Figure 181.	ADF controller circuit diagram (4 of 7)	298
Figure 182.	ADF controller circuit diagram (5 of 7)	300
Figure 183.	ADF controller circuit diagram (6 of 7)	301
Figure 184.	ADF controller circuit diagram (7 of 7)	301
Figure 185.	ADF display board	302
Figure 186.	ADF general timing chart (top pick-up mode, A4, and 2 originals—single-sided original to single copy)	303
Figure 187.	Deck block diagram	304
Figure 188.	Deck controller PCB	305
Figure 189.	Deck controller PCB output	306
Figure 190.	Pick-up feed rollers	307
Figure 191.	Pick-up feed signals	308
Figure 192.	Signal transfer points	309
Figure 193.	Pick-up signal levels	309
Figure 194.	Lifter operation	310
Figure 195.	Remaining paper detection	311

Figure 196.	Paper-size-detection switch and detection plate (A4)	312
Figure 197.	Paper-size-detection switch and detection plate (LTR)	312
Figure 198.	Jam detection levels	313
Figure 199.	Stationary jam	313
Figure 200.	Side HCI power supply	314
Figure 201.	Sensors	315
Figure 202.	Solenoids and motors	316
Figure 203.	PCBs	317
Figure 204.	Deck controller PCB	319
Figure 205.	User LED PCB	320
Figure 206.	Remaining-paper-detection PCB	320
Figure 207.	Deck controller PCB general circuit diagram	324
Figure 208.	Front view of copy module	333
Figure 209.	Rear view of copy module	333
Figure 210.	Removing the copy module lower front cover	334
Figure 211.	Removing the copy module upper right cover	334
Figure 212.	Removing the copy module upper rear cover	335
Figure 213.	Removing the copy module upper left cover	335
Figure 214.	Removing the copy module rear cover	336
Figure 215.	Removing the copy module upper front cover	337
Figure 216.	Removing the copy module scanner motor	338
Figure 217.	Removing the copy module the scanner motor driver PCB	339
Figure 218.	Preparing to remove the ROM DIMM	340
Figure 219.	Opening the claws	341
Figure 220.	Lifting the ROM DIMM to detach	341
Figure 221.	Inserting the ROM DIMM	342
Figure 222.	Engaging the ROM DIMM	342
Figure 223.	Control panel	344
Figure 224.	Detaching the control panel	345
Figure 225.	Detaching the metal plate on the LCD assembly	346
Figure 226.	Detaching the LCD assembly	346
Figure 227.	Copyboard glass	347
Figure 228.	Scanner drive cable	348
Figure 229.	Securing the metal cable clamp (front view)	349
Figure 230.	Securing the metal cable clamp (rear view)	349
Figure 231.	Mirror tool	350
Figure 232.	Detaching and reattaching the mirror positioning tool (front view)	350
Figure 233.	Detaching and reattaching the mirror positioning tool (rear view)	351

Figure 234.	Securing the metal cable clamp to the mirror 1 mount (front view)	351
Figure 235.	Securing the metal cable clamp to the mirror 1 mount (rear view)	351
Figure 236.	Cable positioning	352
Figure 237.	Copyboard glass	353
Figure 238.	Flexible cable warning label	353
Figure 239.	Releasing the connector to the flexible cable	354
Figure 240.	Disconnecting the flexible cable	355
Figure 241.	Connecting the flexible cable	356
Figure 242.	Scanning lamp cover	357
Figure 243.	Scanning lamp inside cover	357
Figure 244.	Anti-reflecting plate	358
Figure 245.	Detaching the scanning lamp	359
Figure 246.	Removing the scanning lamp	360
Figure 247.	Scanning lamp heater	360
Figure 248.	Replacing the scanning lamp	361
Figure 249.	Scanning lamp adjustment	362
Figure 250.	White plate cover removal	363
Figure 251.	Replacing the white plate cover	363
Figure 252.	Detaching the claws	364
Figure 253.	Detaching the intensity-detection PCB	364
Figure 254.	Lens mount cover	365
Figure 255.	Detaching the CCD unit	365
Figure 256.	CCD unit connectors	366
Figure 257.	Electrical unit screws and connectors	367
Figure 258.	Reader controller PCB connectors	367
Figure 259.	Removing the reader controller PCB cover (1 of 2)	368
Figure 260.	Removing the reader controller PCB cover (2 of 2)	368
Figure 261.	Removing the electrical unit	369
Figure 262.	Holding the electrical unit	369
Figure 263.	Detaching the electrical unit cover	370
Figure 264.	Electrical unit connectors	370
Figure 265.	ECO PCB replacement	371
Figure 266.	AP-IP PCB removal	372
Figure 267.	Removing the copy module main power supply PCB (DCP1)	373
Figure 268.	Accessory power supply	374
Figure 269.	Power supply cooling fan	375
Figure 270.	Inverter PCB unit	376
Figure 271.	ADF external covers	377
Figure 272.	Opening the ADF	378
Figure 273.	Removing the ADF	379
Figure 274.	Mounting screws	380

Figure 275.	Body cover	380
Figure 276.	Mounting screws	380
Figure 277.	Document tray	381
Figure 278.	Side guide	382
Figure 279.	Side guide and screws	383
Figure 280.	Opened side guide	383
Figure 281.	Mounting the gear	384
Figure 282.	Setting the width detection volume	384
Figure 283.	Setting the screws and mounting lock	385
Figure 284.	Connector J12 on pick-up motor	385
Figure 285.	Pick-up motor cable guide	386
Figure 286.	Detaching the pick-up motor unit	386
Figure 287.	Feeder motor unit	387
Figure 288.	Feeder motor color sensor	387
Figure 289.	Feeder motor drive belts	388
Figure 290.	Belt motor	389
Figure 291.	Belt motor clock sensor	389
Figure 292.	Belt motor count position	390
Figure 293.	Feeding the belt drive roller	390
Figure 294.	Replacing the belt motor	391
Figure 295.	Adjusting belt tension	391
Figure 296.	Clutch unit	392
Figure 297.	E-ring and bushing	392
Figure 298.	Clutch unit slip stop	393
Figure 299.	Delivery motor connectors	394
Figure 300.	Delivery motor cable retainer	394
Figure 301.	Detaching the delivery motor	395
Figure 302.	Document tray mount	396
Figure 303.	Paper-retaining solenoid	396
Figure 304.	Inlet guide plate	397
Figure 305.	Pick-up roller	397
Figure 306.	Reversing roller drive belt	398
Figure 307.	Separation belt unit	398
Figure 308.	Separation guide plate	399
Figure 309.	Inside guide plate	399
Figure 310.	Roller unit stopper	400
Figure 311.	Roller unit E-ring, gear, and timing belt	400
Figure 312.	Removing the E-ring, arm, and gear	401
Figure 313.	Removing the feeding roller unit	401
Figure 314.	Right hinge unit	402
Figure 315.	E-ring and bushing	402
Figure 316.	Solenoid mount	403
Figure 317.	Detaching the spring, screw, and arm	403

Figure 318.	Link arm shaft	404
Figure 319.	Sensor mount	404
Figure 320.	Tension spring	405
Figure 321.	Grip ring, clock plate, sensor mount, and spring	405
Figure 322.	Registration roller	406
Figure 323.	Timing belt	407
Figure 324.	Gear	408
Figure 325.	Unlocking and removing the gear	408
Figure 326.	Grip ring and bushing	409
Figure 327.	Detaching the lower guide stopper	409
Figure 328.	Removing the spring	410
Figure 329.	Registration sensor cover	410
Figure 330.	Disconnecting the sensor connector	411
Figure 331.	Paper guide	411
Figure 332.	Reversing plate (front view)	412
Figure 333.	Detaching the reversing plate (rear view)	412
Figure 334.	Front plate	413
Figure 335.	Delivery/reversing roller	413
Figure 336.	Body cover	414
Figure 337.	E-ring	414
Figure 338.	Delivery roller unit	415
Figure 339.	Removing the screw and spring	416
Figure 340.	Disengaging the connector	416
Figure 341.	Detaching the timing belt and motor unit	417
Figure 342.	Detaching the delivery roller unit	418
Figure 343.	Gear and timing belt	419
Figure 344.	Unlocking and removing the gear	419
Figure 345.	Reversing guide spring, front	420
Figure 346.	Reversing guide spring, rear	420
Figure 347.	Detaching the solenoid unit	420
Figure 348.	Reversing the sensor jack and grounding cord	421
Figure 349.	Detaching the reversing guide	421
Figure 350.	Document tray mounting plate	422
Figure 351.	Stopper plate solenoid	422
Figure 352.	Solenoid positioning	423
Figure 353.	Test strips	424
Figure 354.	Delivery roller and pick-up roll	424
Figure 355.	Inserting the test strip	425
Figure 356.	Paper-deflecting solenoid	426
Figure 357.	Flapper plate	427
Figure 358.	E-ring and bushing	427
Figure 359.	Delivery roller	428
Figure 360.	Paper-guide plate	428

Figure 361.	Sensor flag and connector	429
Figure 362.	Delivery roller mount	429
Figure 363.	Delivery roller and stamp solenoid mount	429
Figure 364.	Stamp solenoid	430
Figure 365.	Spring	431
Figure 366.	Placing the spring in the temporary position on the retaining hook	431
Figure 367.	Detaching the solenoid	432
Figure 368.	Detaching the side plate	432
Figure 369.	Delivery unit linking plate	433
Figure 370.	Removing the feeding belt	433
Figure 371.	External covers	434
Figure 372.	Rear cover	434
Figure 373.	Upper left cover and screws	435
Figure 374.	Front cover and screws	435
Figure 375.	Rear cover and screws	436
Figure 376.	Upper right cover and screws	436
Figure 377.	Paper-size limit panel	437
Figure 378.	Fixing plate and limit panel	438
Figure 379.	Connectors and cable clamps	439
Figure 380.	Pick-up unit	439
Figure 381.	Pick-up roller	440
Figure 382.	Feed roller and separation roller	441
Figure 383.	Preparing to remove the lifter wire	442
Figure 384.	E-ring and pulley cover	442
Figure 385.	Pulley cover	443
Figure 386.	Screw and lifter wire	444
Figure 387.	Parts removal behind the lifter wire	445
Figure 388.	Connectors	446
Figure 389.	Paper-detection unit	446
Figure 390.	Lifter drive unit	447
Figure 391.	Rear panel	447
Figure 392.	E-ring and gear	448
Figure 393.	E-ring and pulley cover	448
Figure 394.	Bracket removal	449
Figure 395.	Lifter wire removal	450
Figure 396.	Tightening the lifter wire	451
Figure 397.	Lifter motor (M1)	452
Figure 398.	Feeder motor (M2)	452
Figure 399.	Pick-up motor (M3)	453
Figure 400.	Deck controller PCB	453
Figure 401.	Power supply PCB	454
Figure 402.	Standard image sample	464

Figure 403.	Horizontal stripe test print	466
Figure 404.	256-color test print	467
Figure 405.	256-gradation test print	468
Figure 406.	16-gradation test print	469
Figure 407.	Halftone test print	470
Figure 408.	Grid test print	471
Figure 409.	CMYK 64-gradation test print	472
Figure 410.	RGB 64-gradation test print	473
Figure 411.	Full-color 16-gradation test print	474
Figure 412.	Full-color light area 16-gradation test print	475
Figure 413.	Leakage breaker	520
Figure 414.	DIP switch on the DADF controller PCB	534
Figure 415.	Figure 5-101	535
Figure 416.	Figure 5-102	536
Figure 417.	Interface assembly location	552
Figure 418.	ECO-2 PCB Assembly	553
Figure 419.	Interface assembly	554
Figure 420.	Stand assembly	556
Figure 421.	Assembly location diagram	561
Figure 422.	External covers and panels	562
Figure 423.	Internal components (1 of 3)	564
Figure 424.	Internal components (2 of 3)	566
Figure 425.	Internal components (3 of 3)	568
Figure 426.	Power cord terminal assembly	570
Figure 427.	Control panel assembly	572
Figure 428.	Copyboard cover assembly	574
Figure 429.	Mirror assembly 1	576
Figure 430.	Electrical tray assembly	578
Figure 431.	Dc power supply PCA	580
Figure 432.	APC power supply PCA	582
Figure 433.	Noise filter PCA	583
Figure 434.	Control panel PCA	584
Figure 435.	Control panel CPU PCA	585
Figure 436.	Control panel inverter PCA	586
Figure 437.	Reader controller PCA	587
Figure 438.	Analog image processor PCA	588
Figure 439.	Motor driver PCA	589
Figure 440.	Inverter PCA	590
Figure 441.	Connectors (1 of 3)	591
Figure 442.	Connectors (2 of 3)	597
Figure 443.	Connectors (3 of 3)	598
Figure 444.	Assembly locations	605
Figure 445.	Mounting hardware	606

Figure 446.	External covers and panels	607
Figure 447.	DF assembly	608
Figure 448.	Document tray assembly	612
Figure 449.	Upper cover assembly	614
Figure 450.	RF assembly (1 of 4)	616
Figure 451.	RF assembly (2 of 4)	620
Figure 452.	RF assembly (3 of 4)	624
Figure 453.	RF assembly (4 of 4)	628
Figure 454.	Right paper delivery assembly	630
Figure 455.	Paper feed motor assembly	632
Figure 456.	Belt drive motor assembly	634
Figure 457.	Upper paper guide assembly	636
Figure 458.	Lower paper guide assembly	638
Figure 459.	Separation roller assembly	640
Figure 460.	Paper separation assembly	642
Figure 461.	RDF controller PCA	644
Figure 462.	Connectors (1 of 2)	645
Figure 463.	Connectors (2 of 2)	648
Figure 464.	Assembly locations	652
Figure 465.	Mounting hardware	653
Figure 466.	External covers and panels	654
Figure 467.	Internal components (1 of 3)	656
Figure 468.	Internal components (2 of 3)	658
Figure 469.	Internal components (3 of 3)	660
Figure 470.	Lifter drive assembly	663
Figure 471.	Paper pick-up assembly (1 of 2)	664
Figure 472.	Paper pick-up assembly (2 of 2)	666
Figure 473.	Deck controller PCA	668
Figure 474.	Connectors	669

Tables

Table 1.	First copy time (in seconds*)	24
Table 2.	Copying speed (pages per minute)	24
Table 3.	Operating conditions—copy/print	25
Table 4.	Electrical specifications—copy/print	25
Table 5.	Physical specifications—copy/print	25
Table 6.	Electrical specifications—ADF	29
Table 7.	Physical specifications—ADF	29
Table 8.	Supported media—ADF	29
Table 9.	Operating conditions—side HCI	32
Table 10.	Electrical specifications—side HCI	32
Table 11.	Physical specifications—side HCI	32
Table 12.	Ordering parts	40
Table 13.	Technical support websites	40
Table 14.	Asia Pacific region Customer Care Centers	46
Table 15.	Copy module functionality	51
Table 16.	Common settings	53
Table 17.	Copy module settings	54
Table 18.	Timer settings	55
Table 19.	Adjustment/cleaning	56
Table 20.	Self-diagnostic (error) messages	59
Table 21.	Service mode sub-items	60
Table 22.	Copier, display mode menu	65
Table 23.	Copier, display mode Level 2 and Level 3 menus	66
Table 24.	Country code	70
Table 25.	Language code	70
Table 26.	Series code	70
Table 27.	JAM screen legend	71
Table 28.	Types of jams	72
Table 29.	First 2 digits of FFFF (type of jam)	72
Table 30.	Last 2 digits of FFFF (jam sensor)	73
Table 31.	G (pick-up position)	73
Table 32.	Pick-up jams	74
Table 33.	Detecting jams	74
Table 34.	ERR screen legend	76
Table 35.	Copier, I/O mode descriptions	77
Table 36.	Copier, I/O mode Level 2 and Level 3 menus	79
Table 37.	Copier, adjust menu descriptions	83
Table 38.	Copier, adjust mode Level 2 and Level 3 menus	84

Table 39.	Copier, run/check mode menu descriptions	93
Table 40.	Copier, run/check mode Level 2 and Level 3 menus .	94
Table 41.	Control panel key descriptions	96
Table 42.	Copier, machine settings menu descriptions	98
Table 43.	Copier, machine settings mode Level 2 and Level 3 menus	99
Table 44.	Copier, machine settings mode, soft counter specifications	103
Table 45.	Soft counter defaults by voltage and country	107
Table 46.	Copier, test print mode Level 2 and Level 3 menus .	109
Table 47.	Test print options	110
Table 48.	Copier counter menu descriptions	111
Table 49.	Copier, counter mode Level 2 and Level 3 menus . .	112
Table 50.	Feeder options	115
Table 51.	Serviceable printer parts	119
Table 52.	Feeding power measurements	154
Table 53.	Periodically replaced parts	163
Table 54.	Items to be cleaned	166
Table 55.	Lubricants	174
Table 56.	Warm-up and standby phases	184
Table 57.	Sequence functions	187
Table 58.	Scanning lamp/scanning lamp heater errors.	196
Table 59.	Identifying original size, metric	199
Table 60.	Identifying original-size, inches	199
Table 61.	PCB functions	206
Table 62.	BGR->YMC conversion.	217
Table 63.	Enlargement/reduction and image processing	222
Table 64.	Copy module fan	234
Table 65.	Power saving function	235
Table 66.	Copy module main power supply	239
Table 67.	Accessories power supply (secondary side).	239
Table 68.	Page composition sizes	255
Table 69.	Europe/Asia (A4).	273
Table 70.	U.S. (Letter).	273
Table 71.	Relationship between pick-up motor signals and the pick-up roller	276
Table 72.	Relationship between belt motor drive signal and the feeding belt	278
Table 73.	Jam detection sensors	279
Table 74.	Jam detection	280
Table 75.	Improper placement of originals sensors	282
Table 76.	Improper placement detection.	283
Table 77.	Motors, solenoids, and sensors	286
Table 78.	PCB functions	287

Table 79.	LEDs on the indicator PCB	288
Table 80.	Names and abbreviations of signals	289
Table 81.	Remaining paper detection switches	311
Table 82.	Sensor functions	315
Table 83.	Solenoid and motor functions	316
Table 84.	PCB functions	317
Table 85.	Deck controller switches and LEDs.	319
Table 86.	User LED.	320
Table 87.	Signal names and codes.	321
Table 88.	Service tools	331
Table 89.	Test pattern types	465
Table 90.	Common image faults	476
Table 91.	Repetitive image defects.	482
Table 92.	Errors based on LED lighting cycle.	537
Table 93.	Interface assembly location.	552
Table 94.	ECO-2 PCB Assembly	553
Table 95.	Interface assembly	554
Table 96.	Stand screw/ring kit.	555
Table 97.	Stand assembly	557
Table 98.	Screw/ring kit.	558
Table 99.	Belt kit	559
Table 100.	Gear/pulley kit	560
Table 101.	Spring kit	560
Table 102.	External covers and panels.	563
Table 103.	Internal components (1 of 3)	565
Table 104.	Internal components (2 of 3)	566
Table 105.	Internal components (3 of 3)	569
Table 106.	Power cord terminal assembly	571
Table 107.	Control panel assembly.	573
Table 108.	Copyboard cover assembly.	575
Table 109.	Mirror assembly 1	577
Table 110.	Electrical tray assembly	579
Table 111.	Dc power supply PCA	581
Table 112.	APC power supply PCA	582
Table 113.	Noise filter PCA.	583
Table 114.	Control panel PCA	584
Table 115.	Control panel CPU PCA	585
Table 116.	Control panel inverter PCA	586
Table 117.	Reader controller PCA	587
Table 118.	Analog image processor PCA.	588
Table 119.	Motor driver PCA.	589
Table 120.	Inverter PCA	590
Table 121.	Connectors (1 of 3)	591

Table 122. Connectors (2 of 3)	597
Table 123. Connectors (3 of 3)	598
Table 124. Belt kit	600
Table 125. Bushing kit.	601
Table 126. Gear/pulley kit	601
Table 127. Pin kit	602
Table 128. Screw/ring kit.	602
Table 129. Spring kit	604
Table 130. Mounting hardware	606
Table 131. External covers and panels.	607
Table 132. DF assembly	609
Table 133. Document tray assembly.	613
Table 134. Upper cover assembly	615
Table 135. RF assembly (1 of 4).	617
Table 136. RF assembly (2 of 4).	621
Table 137. RF assembly (3 of 4).	625
Table 138. RF assembly (4 of 4).	629
Table 139. Right paper delivery assembly	631
Table 140. Paper feed motor assembly	633
Table 141. Belt drive motor assembly.	635
Table 142. Upper paper guide assembly	637
Table 143. Lower paper guide assembly	639
Table 144. Separation roller assembly	641
Table 145. Paper separation assembly.	643
Table 146. RDF controller PCA.	644
Table 147. Connectors (1 of 2)	645
Table 148. Connectors (2 of 2)	648
Table 149. Bushing kit.	649
Table 150. Gear/pulley kit	649
Table 151. Screw/ring kit.	650
Table 152. Spring kit	651
Table 153. Mounting hardware	653
Table 154. External covers and panels	655
Table 155. Internal components (1 of 3).	657
Table 156. Internal components (2 of 3).	659
Table 157. Internal components (3 of 3).	661
Table 158. Lifter drive assembly	663
Table 159. Paper pick-up assembly (1 of 2)	665
Table 160. Paper pick-up assembly (2 of 2)	667
Table 161. Deck controller PCA	668
Table 162. Connectors	669
Table 163. Numerical parts list	672
Table 164. Alphabetical parts list	680

1

Product information

Chapter contents

Introduction	23
Copy module	23
Features	23
Specifications	24
Overview	26
Automatic document feeder (ADF)	28
Features	28
Specifications	29
Overview	30
Side high-capacity input (side HCI)	32
Features	32
Specifications	32
Overview	33
Model and serial numbers	35
Safety and regulatory information	35
Declaration of conformity	35
FCC regulations	36

Introduction

The HP Color LaserJet 8550 Multi-Function Printer (MFP) system consists of the following:

- Copy module
- Stand
- Print engine
- Optional automatic document feeder (ADF)
- Optional side high-capacity input (side HCI)

Copy module

Features

Control panel	<ul style="list-style-type: none">● 320-by-230 dot LCD touch screen
Copy speed (letter/A4)	<ul style="list-style-type: none">● 6 pages per minute (ppm) full color● 24 ppm monochrome
Copy speed (ledger/A3)	<ul style="list-style-type: none">● 3 ppm full color● 12 ppm monochrome
Original type	<ul style="list-style-type: none">● Sheet, book, three-dimensional object (2 kilogram maximum)
Magnification	<ul style="list-style-type: none">● Nine preset reduction and enlargement percentages● Zoom: 25% to 400%, by 1% increments
Resolution	<ul style="list-style-type: none">● 600 dots per inch by 600 lines per inch
Advanced copying features: <ul style="list-style-type: none">● Up to 100 continuous copies● Auto clear (two minute standard; variable, can be disabled)● Auto color select (identifies original to select four-color or mono copy)● One-touch adjust (vivid colors, tranquil colors, lighten image, darken image, highlight reproduction, old-fashioned photo)● Color adjust (color balance, density range YMCK adjustment)● Auto power save (30-minute standard; variable, can be disabled)● Low power (one-hour standard; variable in user mode)● Original mode (text/photo/map, printed image, photo, black text)	

Advanced copying features (continued):

- Frame erase
- Blind margin
- Auto gradation correction
- Auto exposure
- Auto paper select
- Auto zoom
- Two-page separation
- Heavy-sheet original
- Image creation
- Image shift
- Margin
- Color balance
- Sharpness
- Single color
- Image separation
- Mode memory and recall
- Framing/blanking
- Image combination

Specifications

Speed

Table 1. First copy time (in seconds*)

Type	Size	4-color	Mono-color
Plain paper	A4, Letter	34	18
Thick paper	A4, Letter	50	35
Transparency	A4, Letter	57	41

*Times shown assume A4-size media, direct copy using cassette 1, face-up delivery, and no pre-scanning; for face-down delivery, add three seconds for plain paper, six seconds for thick paper, and seven seconds for transparencies.

Table 2. Copying speed (pages per minute)

	Source	Size	4-color	Mono-color
Plain paper	Cassette Multifeeder	A3, B4, A4R, B5, 11 by 17, Legal, Letter	3 ppm	12 ppm
		A4/LTR	6 ppm	24 ppm
Thick paper	Multifeeder	A3/11 by 17	1.2 ppm	1.7 ppm
		A4/LTR	2.4 ppm	3.4 ppm
Transparency	Multifeeder	A4/LTR	2.1 ppm	2.8 ppm

Environmental

Table 3. Operating conditions—copy/print

Temperature	15° to 27.5° C 59° to 81.5° F
Humidity	20% to 80% RH
Atmospheric pressure	786 to 1013 hPa (560 to 760 mmHg)
Acoustic emissions	74 dB copying 62 dB standby
Ozone emissions	0.05 ppm or less 0.02 ppm or less

Electrical

Table 4. Electrical specifications—copy/print

Power source:	
110 V units	100-127 Vac \pm 10% at 50 Hz \pm 2 Hz, 60 Hz \pm 2 Hz
220 V units	220-240 Vac \pm 10% at 50 Hz \pm 2 Hz
Maximum power consumption	1.5 kW or less

Physical

Table 5. Physical specifications—copy/print

Weight	39 kg (348 lb)
Dimensions (mm)	Width: 673 mm (26.5 in) Height: 190 mm (7.5 in) Depth: 787 mm (31.0 in)

Supported media sizes

- A3
- A4R
- A4
- legal
- B4
- B5
- 11-by-17 inches
- letter

Overview

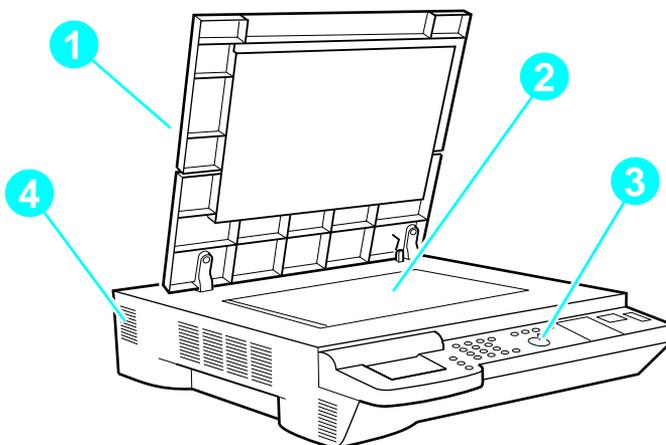


Figure 1. Copy module front left

- 1 Copyboard cover
- 2 Copyboard glass
- 3 Control panel
- 4 Power supply cooling fan air inlet

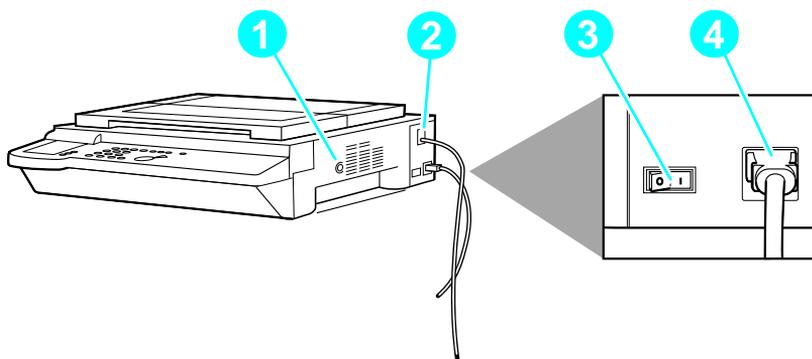


Figure 2. Copy module front right

- 1 Control key switch
- 2 Power supply cord connector
- 3 Rear power switch
- 4 Printer power cord connector

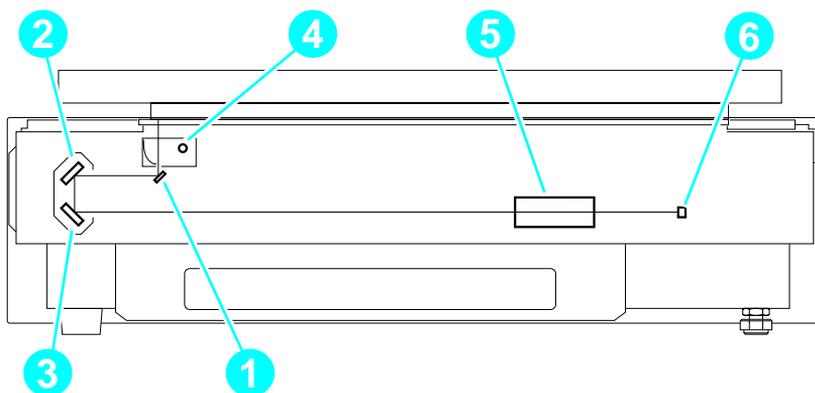


Figure 3. Copy module cross-section

- 1 Number 1 mirror
- 2 Number 2 mirror
- 3 Number 3 mirror
- 4 Scanning lamp
- 5 Lens
- 6 Charge-coupled device (CCD)

Product: HP Copy Module, ADF, and side HCI for HP Color LaserJet 8550 Series Printers Service Repair Workshop Manual
Full Download: <https://www.arepairmanual.com/downloads/hp-copy-module-adf-and-side-hci-for-hp-color-laserjet-8550-series-printers-service-repair-workshop-manual>
The ADF is not part of the standard MFP bundle. It can be ordered as an option.

Features

The ADF can identify the size of an original in terms of its length (feeding direction) and width for communication to its host computer. Features include:

- 24 copies per minute
- circulating, auto-duplexing pickup method
- communication with copier using interprocess communication (IPC)

Sample manual. Download All pages at:
<https://www.arepairmanual.com/downloads/hp-copy-module-adf-and-side-hci-for-hp-color-laserjet-8550-series-printers-service-repair-workshop-manual>