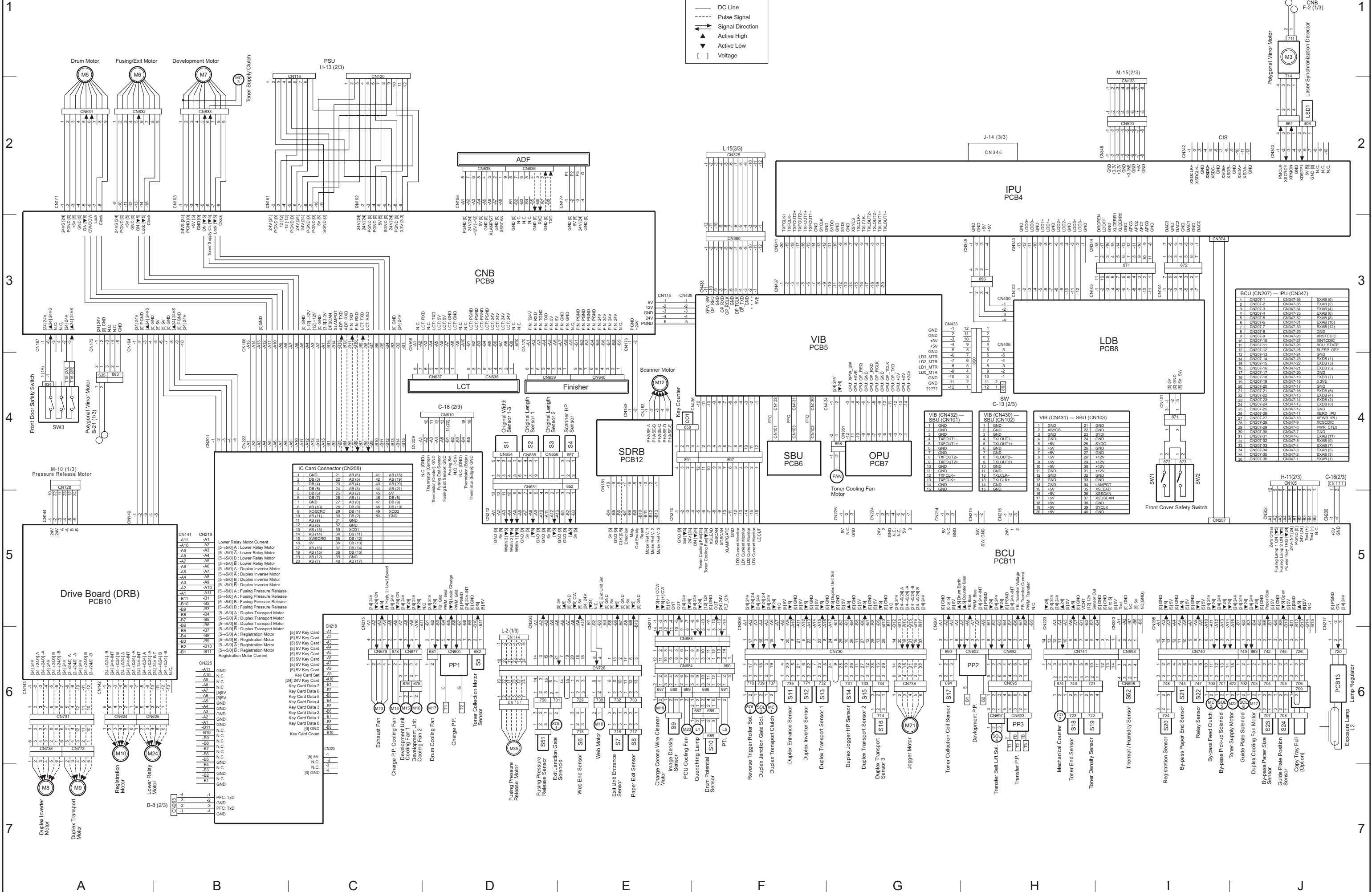


B140/B141/B142/B143/B163/B228 POINT TO POINT DIAGRAM 1/3

SYMBOL TABLE	
	AC Line
	DC Line
	Pulse Signal
	Signal Direction
	Active High
	Active Low
	Voltage



B140/B141/B142/B143/B163/B228 POINT TO POINT DIAGRAM 2/3

1st Paper Feed Sensor S25
1st Vertical Transport Sensor S26
1st Pick-up Solenoid S27
1st Paper End Sensor S28
1st Tray Lift Sensor S29
1st Separation Roller Solenoid S30

2nd Paper Feed Sensor S31
2nd Vertical Transport Sensor S32
2nd Pick-up Solenoid S33
2nd Paper End Sensor S34
2nd Tray Lift Sensor S35
2nd Separation Roller Solenoid S36

3rd Paper Feed Sensor S37
3rd Vertical Transport Sensor S38
3rd Pick-up Solenoid S39
3rd Paper End Sensor S40
3rd Tray Lift Sensor S41
3rd Separation Roller Solenoid S42

1st Paper Feed Motor M23
3rd Paper Feed Motor M26
2nd Paper Feed Motor M27

2nd Paper Size Switch SW4
3rd Paper Size Switch SW5

2nd Tray Lift Motor M27
3rd Tray Lift Motor M28
1st Tray Lift Motor M29

Toner Collection Bottle Set Switch SW6
Toner Overflow Switch SW7
Toner Collection Motor M31

Right Tray Set T30
Left Tray Set T31

Front Side Fence Open Sensor S37
Front Side Fence Close Sensor S38
Rear Side Fence Open Sensor S39
Rear Side Fence Close Sensor S40
Right Tray Down Sensor S41
Near End Sensor S42
Paper Height 1 Sensor S43
Paper Height 2 Sensor S44
Paper Height 3 Sensor S45
Right Tray Paper Sensor S46
Front Side Fence Solenoid S47
Rear Side Fence Solenoid S48
Rear Fence Motor M32
Rear Fence HP Sensor S49
Rear Fence Return Sensor S50
Left Tray Paper Sensor S51
Right Tray Lock Solenoid S52
Left Tray Lock Solenoid S53

PSU PCB15
100V Fuse
200V, China Fuse

BCU J-23 (1/3)
BCU J-22 (1/3)
BCU J-21 (1/3)
BCU J-20 (1/3)
BCU J-19 (1/3)
BCU J-18 (1/3)
BCU J-17 (1/3)
BCU J-16 (1/3)
BCU J-15 (1/3)
BCU J-14 (1/3)
BCU J-13 (1/3)
BCU J-12 (1/3)
BCU J-11 (1/3)
BCU J-10 (1/3)
BCU J-9 (1/3)
BCU J-8 (1/3)
BCU J-7 (1/3)
BCU J-6 (1/3)
BCU J-5 (1/3)
BCU J-4 (1/3)
BCU J-3 (1/3)
BCU J-2 (1/3)
BCU J-1 (1/3)

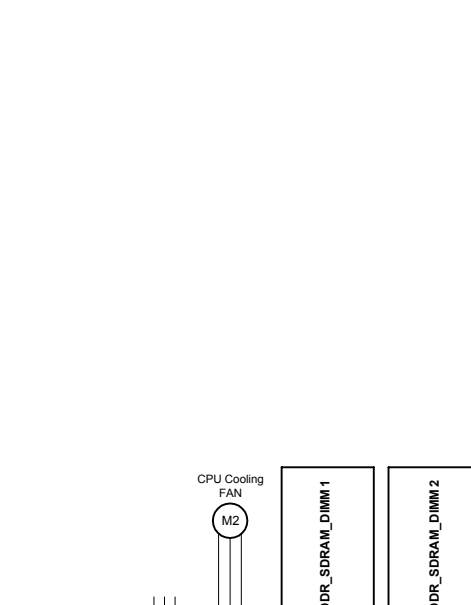
Thermostat
Fusing Unit
Thermistor 1 TH1
Thermistor 2 TH2
Fusing Exit Sensor S50
Fusing Lamp 1 (550W) L1
Fusing Lamp 2 (650W) L2
Fusing Lamp 3 (280W) L3

CTL PSU PCB18
AC L L-11(3/3)
AC N L-12(3/3)
AC G L-13(3/3)
AC B L-14(3/3)
AC C L-15(3/3)
AC D L-16(3/3)
AC E L-17(3/3)
AC F L-18(3/3)
AC G L-19(3/3)
AC H L-20(3/3)
AC I L-21(3/3)
AC J L-22(3/3)
AC K L-23(3/3)
AC L L-24(3/3)
AC M L-25(3/3)
AC N L-26(3/3)
AC O L-27(3/3)
AC P L-28(3/3)
AC Q L-29(3/3)
AC R L-30(3/3)
AC S L-31(3/3)
AC T L-32(3/3)
AC U L-33(3/3)
AC V L-34(3/3)
AC W L-35(3/3)
AC X L-36(3/3)
AC Y L-37(3/3)
AC Z L-38(3/3)
AC A L-39(3/3)
AC B L-40(3/3)
AC C L-41(3/3)
AC D L-42(3/3)
AC E L-43(3/3)
AC F L-44(3/3)
AC G L-45(3/3)
AC H L-46(3/3)
AC I L-47(3/3)
AC J L-48(3/3)
AC K L-49(3/3)
AC L L-50(3/3)
AC M L-51(3/3)
AC N L-52(3/3)
AC O L-53(3/3)
AC P L-54(3/3)
AC Q L-55(3/3)
AC R L-56(3/3)
AC S L-57(3/3)
AC T L-58(3/3)
AC U L-59(3/3)
AC V L-60(3/3)
AC W L-61(3/3)
AC X L-62(3/3)
AC Y L-63(3/3)
AC Z L-64(3/3)
AC A L-65(3/3)
AC B L-66(3/3)
AC C L-67(3/3)
AC D L-68(3/3)
AC E L-69(3/3)
AC F L-70(3/3)
AC G L-71(3/3)
AC H L-72(3/3)
AC I L-73(3/3)
AC J L-74(3/3)
AC K L-75(3/3)
AC L L-76(3/3)
AC M L-77(3/3)
AC N L-78(3/3)
AC O L-79(3/3)
AC P L-80(3/3)
AC Q L-81(3/3)
AC R L-82(3/3)
AC S L-83(3/3)
AC T L-84(3/3)
AC U L-85(3/3)
AC V L-86(3/3)
AC W L-87(3/3)
AC X L-88(3/3)
AC Y L-89(3/3)
AC Z L-90(3/3)
AC A L-91(3/3)
AC B L-92(3/3)
AC C L-93(3/3)
AC D L-94(3/3)
AC E L-95(3/3)
AC F L-96(3/3)
AC G L-97(3/3)
AC H L-98(3/3)
AC I L-99(3/3)
AC J L-100(3/3)
AC K L-101(3/3)
AC L L-102(3/3)
AC M L-103(3/3)
AC N L-104(3/3)
AC O L-105(3/3)
AC P L-106(3/3)
AC Q L-107(3/3)
AC R L-108(3/3)
AC S L-109(3/3)
AC T L-110(3/3)
AC U L-111(3/3)
AC V L-112(3/3)
AC W L-113(3/3)
AC X L-114(3/3)
AC Y L-115(3/3)
AC Z L-116(3/3)
AC A L-117(3/3)
AC B L-118(3/3)
AC C L-119(3/3)
AC D L-120(3/3)
AC E L-121(3/3)
AC F L-122(3/3)
AC G L-123(3/3)
AC H L-124(3/3)
AC I L-125(3/3)
AC J L-126(3/3)
AC K L-127(3/3)
AC L L-128(3/3)
AC M L-129(3/3)
AC N L-130(3/3)
AC O L-131(3/3)
AC P L-132(3/3)
AC Q L-133(3/3)
AC R L-134(3/3)
AC S L-135(3/3)
AC T L-136(3/3)
AC U L-137(3/3)
AC V L-138(3/3)
AC W L-139(3/3)
AC X L-140(3/3)
AC Y L-141(3/3)
AC Z L-142(3/3)
AC A L-143(3/3)
AC B L-144(3/3)
AC C L-145(3/3)
AC D L-146(3/3)
AC E L-147(3/3)
AC F L-148(3/3)
AC G L-149(3/3)
AC H L-150(3/3)
AC I L-151(3/3)
AC J L-152(3

B140/B141/B142/B163/B228 POINT TO POINT DIAGRAM 3/3

CN101			
Pin#	Signal Name	Pin#	Signal Name
1	VREF	51	MDT122
2	VREF	52	MDT123
3	GND	53	MDT124
4	GND	54	MDT125
5	MDT126	55	MDT127
6	MDT128	56	MDT129
7	MDT130	57	MDT131
8	MDT132	58	MDT133
9	VCC2.5	59	MDT134
10	VCC2.5	60	MDT135
11	DQS SR(0)	61	DQS SR(1)
12	DM SR(0)	62	DM SR(1)
13	MDT136	63	MDT137
14	MDT138	64	MDT139
15	GND	65	MDT140
16	GND	66	MDT141
17	MDT142	67	MDT143
18	MDT144	68	MDT145
19	MDT146	69	MDT147
20	MDT148	70	MDT149
21	VCC2.5	71	MDT150
22	VCC2.5	72	MDT151
23	MDT152	73	MDT153
24	MDT154	74	MDT155
25	DQS SR(1)	75	MDT156
26	DM SR(1)	76	MDT157
27	GND	77	MDT158
28	GND	78	MDT159
29	MDT160	79	MDT161
30	MDT162	80	MDT163
31	MDT164	81	MDT165
32	MDT166	82	MDT167
33	VCC2.5	83	MDT168
34	VCC2.5	84	MDT169
35	MDT170	85	MDT171
36	MDT172	86	MDT173
37	MDT174	87	MDT175
38	MDT176	88	MDT177
39	MDT178	89	MDT179
40	MDT180	90	MDT181
41	MDT182	91	MDT183
42	MDT184	92	MDT185
43	MDT186	93	MDT187
44	MDT188	94	MDT189
45	MDT190	95	MDT191
46	MDT192	96	MDT193
47	MDT194	97	MDT195
48	MDT196	98	MDT197
49	MDT198	99	MDT199
50	MDT200	100	MDT201

CN102			
Pin#	Signal Name	Pin#	Signal Name
1	VREF	51	MDT202
2	VREF	52	MDT203
3	GND	53	MDT204
4	GND	54	MDT205
5	MDT206	55	MDT207
6	MDT208	56	MDT209
7	MDT210	57	MDT211
8	MDT212	58	MDT213
9	VCC2.5	59	MDT214
10	VCC2.5	60	MDT215
11	DQS SR(0)	61	DQS SR(1)
12	DM SR(0)	62	DM SR(1)
13	MDT216	63	MDT217
14	MDT218	64	MDT219
15	GND	65	MDT220
16	GND	66	MDT221
17	MDT222	67	MDT223
18	MDT224	68	MDT225
19	MDT226	69	MDT227
20	MDT228	70	MDT229
21	VCC2.5	71	MDT230
22	VCC2.5	72	MDT231
23	MDT232	73	MDT233
24	MDT234	74	MDT235
25	DQS SR(1)	75	MDT236
26	DM SR(1)	76	MDT237
27	GND	77	MDT238
28	GND	78	MDT239
29	MDT240	79	MDT241
30	MDT242	80	MDT243
31	MDT244	81	MDT245
32	MDT246	82	MDT247
33	VCC2.5	83	MDT248
34	VCC2.5	84	MDT249
35	MDT250	85	MDT251
36	MDT252	86	MDT253
37	MDT254	87	MDT255
38	MDT256	88	MDT257
39	MDT258	89	MDT259
40	MDT260	90	MDT261
41	MDT262	91	MDT263
42	MDT264	92	MDT265
43	MDT266	93	MDT267
44	MDT268	94	MDT269
45	MDT270	95	MDT271
46	MDT272	96	MDT273
47	MDT274	97	MDT275
48	MDT276	98	MDT277
49	MDT278	99	MDT279
50	MDT280	100	MDT281



Controller (CN114) - MB (CN312)			
Pin#	Signal Name	Pin#	Signal Name
1	VREF	51	MDT282
2	VREF	52	MDT283
3	GND	53	MDT284
4	GND	54	MDT285
5	MDT286	55	MDT287
6	MDT288	56	MDT289
7	MDT290	57	MDT291
8	MDT292	58	MDT293
9	VCC2.5	59	MDT294
10	VCC2.5	60	MDT295
11	DQS SR(0)	61	DQS SR(1)
12	DM SR(0)	62	DM SR(1)
13	MDT296	63	MDT297
14	MDT298	64	MDT299
15	GND	65	MDT300
16	GND	66	MDT301
17	MDT302	67	MDT303
18	MDT304	68	MDT305
19	MDT306	69	MDT307
20	MDT308	70	MDT309
21	VCC2.5	71	MDT310
22	VCC2.5	72	MDT311
23	MDT312	73	MDT313
24	MDT314	74	MDT315
25	DQS SR(1)	75	MDT316
26	DM SR(1)	76	MDT317
27	GND	77	MDT318
28	GND	78	MDT319
29	MDT320	79	MDT321
30	MDT322	80	MDT323
31	MDT324	81	MDT325
32	MDT326	82	MDT327
33	VCC2.5	83	MDT328
34	VCC2.5	84	MDT329
35	MDT330	85	MDT331
36	MDT332	86	MDT333
37	MDT334	87	MDT335
38	MDT336	88	MDT337
39	MDT338	89	MDT339
40	MDT340	90	MDT341
41	MDT342	91	MDT343
42	MDT344	92	MDT345
43	MDT346	93	MDT347
44	MDT348	94	MDT349
45	MDT350	95	MDT351
46	MDT352	96	MDT353
47	MDT354	97	MDT355
48	MDT356	98	MDT357
49	MDT358	99	MDT359
50	MDT360	100	MDT361

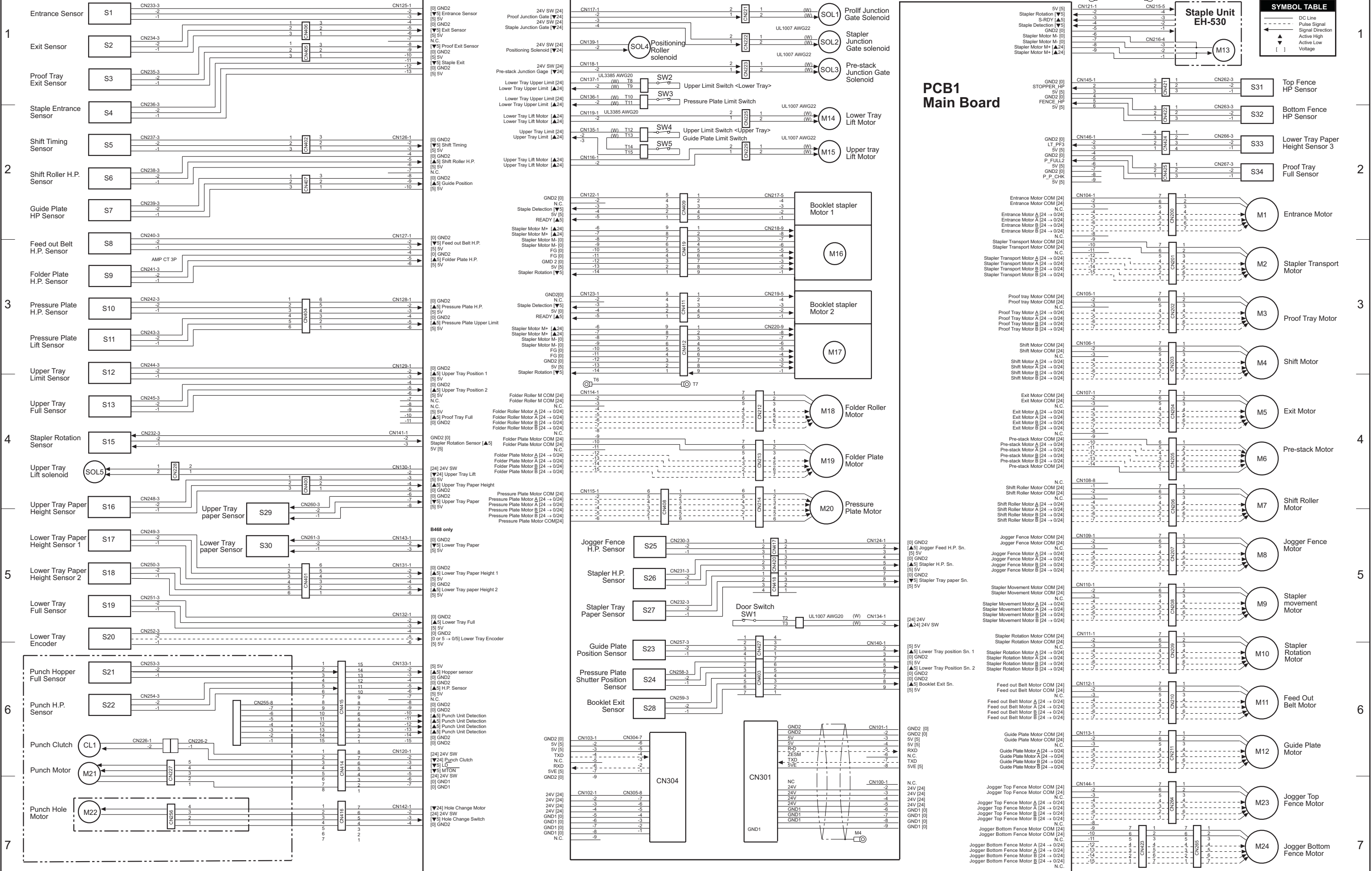
MB (CN313) - MB (CN346)			
Pin#	Signal Name	Pin#	Signal Name
1	VREF	51	MDT362
2	VREF	52	MDT363
3	GND	53	MDT364
4	GND	54	MDT365
5	MDT366	55	MDT367
6	MDT368	56	MDT369
7	MDT370	57	MDT371
8	MDT372	58	MDT373
9	VCC2.5	59	MDT374
10	VCC2.5	60	MDT375
11	DQS SR(0)	61	DQS SR(1)
12	DM SR(0)	62	DM SR(1)
13	MDT376	63	MDT377
14	MDT378	64	MDT379
15	GND	65	MDT380
16	GND	66	MDT381
17	MDT382	67	MDT383
18	MDT384	68	MDT385
19	MDT386	69	MDT387
20	MDT388	70	MDT389
21	VCC2.5	71	MDT390
22	VCC2.5	72	MDT391
23	MDT392	73	MDT393
24	MDT394	74	MDT395
25	DQS SR(1)	75	MDT396
26	DM SR(1)	76	MDT397
27	GND	77	MDT398
28	GND	78	MDT399
29	MDT400	79	MDT401
30	MDT402	80	MDT403
31	MDT404	81	MDT405
32	MDT406	82	MDT407
33	VCC2.5	83	MDT408
34	VCC2.5	84	MDT409
35	MDT410	85	MDT411
36	MDT412	86	MDT413
37	MDT414	87	MDT415
38	MDT416	88	MDT417
39	MDT418	89	MDT419
40	MDT420	90	MDT421
41	MDT422	91	MDT423
42	MDT424	92	MDT425
43	MDT426	93	MDT427
44	MDT428	94	MDT429
45	MDT430	95	MDT431
46	MDT432	96	MDT433
47	MDT434	97	MDT435
48	MDT436	98	MDT437
49	MDT438	99	MDT439
50	MDT440	100	MDT441

CN103			
Pin#	Signal Name	Pin#	Signal Name
1	VREF	51	MDT442
2	VREF	52	MDT443
3	GND	53	MDT444
4	GND	54	MDT445
5	MDT446	55	MDT447
6	MDT448	56	MDT449
7	MDT450	57	MDT451
8	MDT452	58	MDT453
9	VCC2.5	59	MDT454
10	VCC2.5	60	MDT455
11	DQS SR(0)	61	DQS SR(1)
12	DM SR(0)	62	DM SR(1)
13	MDT456	63	MDT457
14	MDT458	64	MDT459
15	GND	65	MDT460
16	GND	66	MDT461
17	MDT462	67	MDT463
18	MDT464	68	MDT465
19	MDT466	69	MDT467
20	MDT468	70	MDT469
21	VCC2.5	71	MDT470
22	VCC2.5	72	MDT471
23	MDT472	73	MDT473
24	MDT474	74	MDT475
25	DQS SR(1)	75	MDT476
26	DM SR(1)	76	MDT477
27	GND	77	MDT478
28	GND	78	MDT479
29	MDT480	79	MDT481
30	MDT482	80	MDT483
31	MDT484	81	MDT485
32	MDT486	82	MDT487
33	VCC2.5	83	MDT488
34	VCC2.5	84	MDT489
35	MDT490	85	MDT491
36	MDT492	86	MDT493
37	MDT494	87	MDT495
38	MDT496	88	MDT497
39	MDT498	89	MDT499
40	MDT500	90	MDT501
41	MDT502	91	MDT503
42	MDT504	92	MDT505
43	MDT506	93	MDT507
44	MDT508	94	MDT509
45	MDT510	95	MDT511
46	MDT512	96	MDT513
47	MDT514	97	MDT515
48	MDT516	98	MDT517
49	MDT518	99	MDT519
50	MDT520	100	MDT521

CN111			
Pin#	Signal Name	Pin#	Signal Name
1	VREF	51	MDT522
2	VREF	52	MDT523
3	GND	53	MDT524
4	GND	54	MDT525
5	MDT526	55	MDT527
6	MDT528	56	MDT529
7	MDT530	57	MDT531
8	MDT532	58	MDT533
9	VCC2.5	59	MDT534
10	VCC2.5	60	MDT535
11	DQS SR(0)	61	DQS SR(1)
12	DM SR(0)	62	DM SR(1)
13	MDT536	63	MDT537
14	MDT538	64	MDT539
15	GND	65	MDT540
16	GND	66	MDT541
17	MDT542	67	MDT543
18	MDT544	68	MDT545
19	MDT546	69	MDT547
20	MDT548	70	MDT549
21	VCC2.5	71	MDT550
22	VCC2.5	72	MDT551
23	MDT552	73	MDT553
24	MDT554	74	MDT555
25	DQS SR(1)	75	MDT556
26	DM SR(1)	76	MDT557
27	GND	77	MDT558
28	GND	78	MDT559
29	MDT560	79	MDT561
30	MDT562	80	MDT563
31	MDT564	81	MDT565
32	MDT566	82	MDT567
33	VCC2.5	83	MDT568
34	VCC2.5	84	MDT569
35	MDT570	85	MDT571
36	MDT572	86	MDT573
37	MDT574	87	MDT575
38	MDT576	88	MDT577
39	MDT578	89	MDT579
40	MDT580	90	MDT581
41	MDT582	91	MDT583
42	MDT584	92	MDT585
43	MDT586	93	MDT587
44	MDT588	94	MDT589
45	MDT590	95	MDT591
46	MDT592	96	MDT593
47	MDT594	97	MDT595
48	MDT596	98	MDT597
49	MDT598	99	MDT599
50	MDT600	100	MDT601

CN108			
Pin#	Signal Name	Pin#	Signal Name
1	VREF	51	MDT602
2	VREF	52	MDT603
3	GND	53	MDT604
4	GND	54	MDT605
5	MDT606	55	MDT607
6	MDT608	56	MDT609
7	MDT610	57	MDT611
8	MDT612	58	MDT613
9	VCC2.5	59	MDT614
10	VCC2.5	60	MDT615

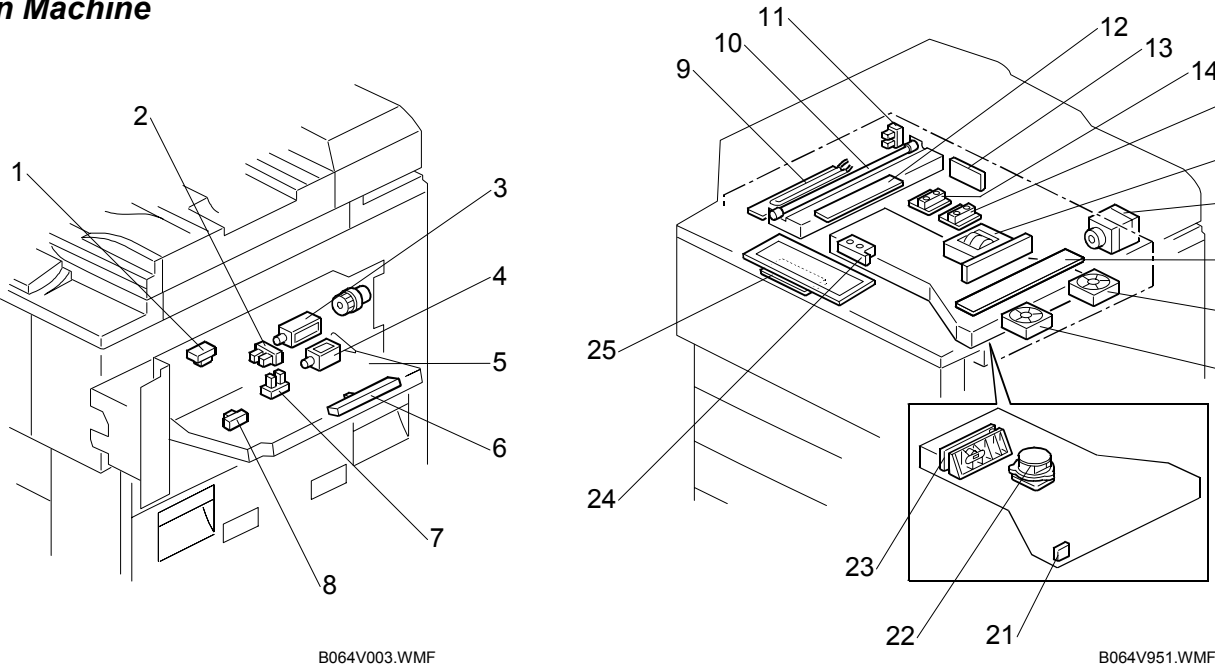
3000-SHEET BOOKLET FINISHER (B674) POINT TO POINT DIAGRAM



SYMBOL TABLE	
---	DC Line
---	Pulse Signal
---	Signal Direction
---	Active High
---	Active Low
---	Voltage

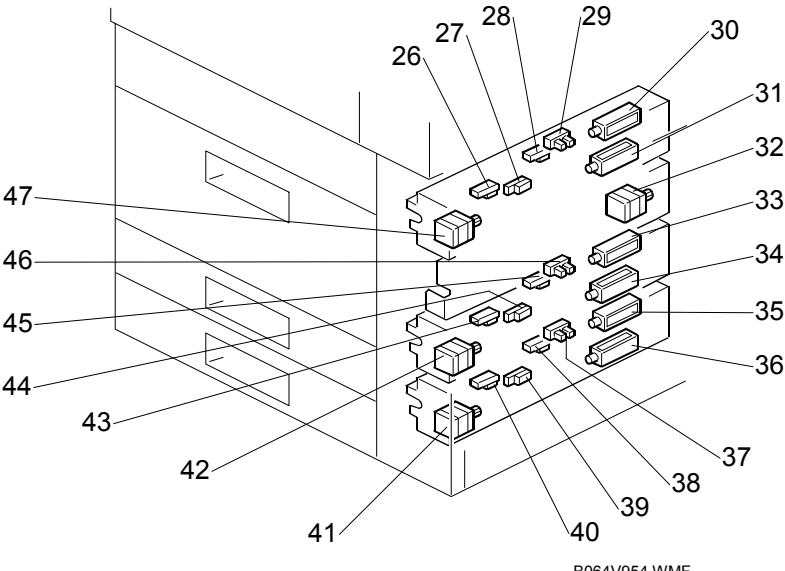
B140/B141/B142/B143/B163/B228 ELECTRICAL COMPONENT LAYOUT (1/2)

Main Machine

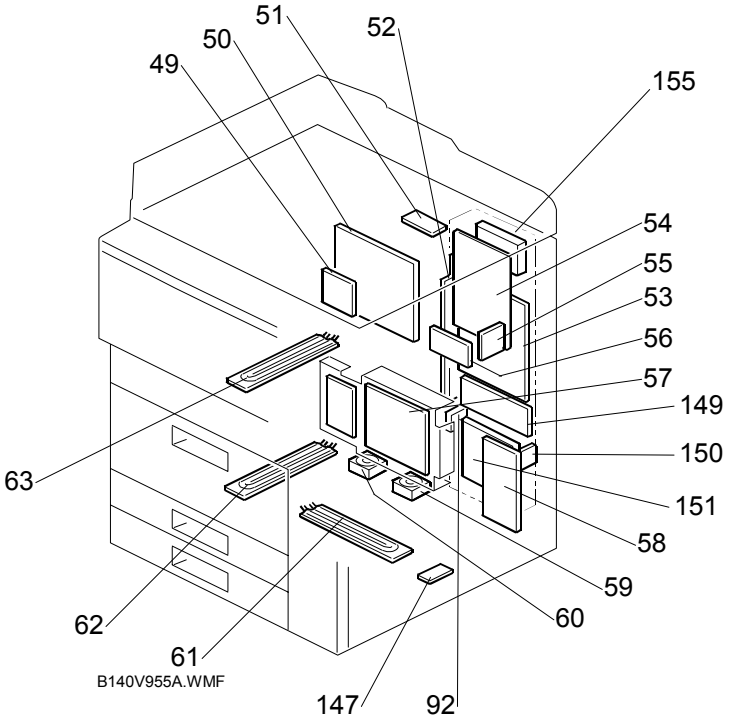


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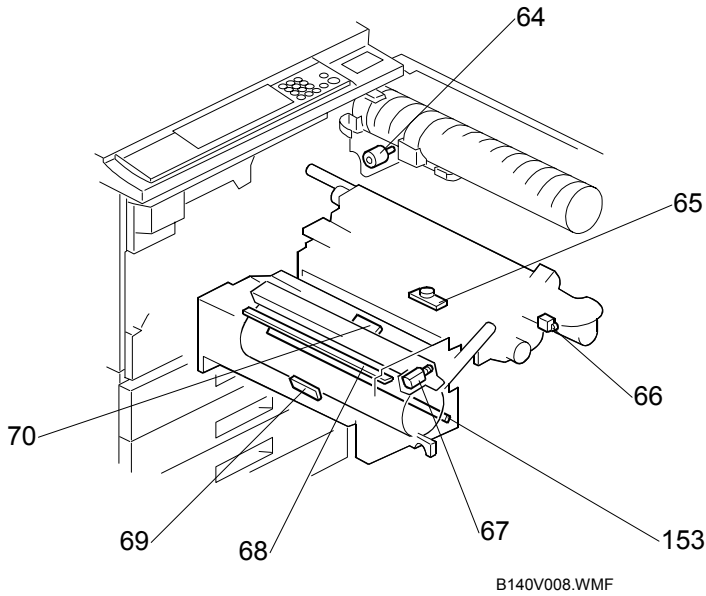
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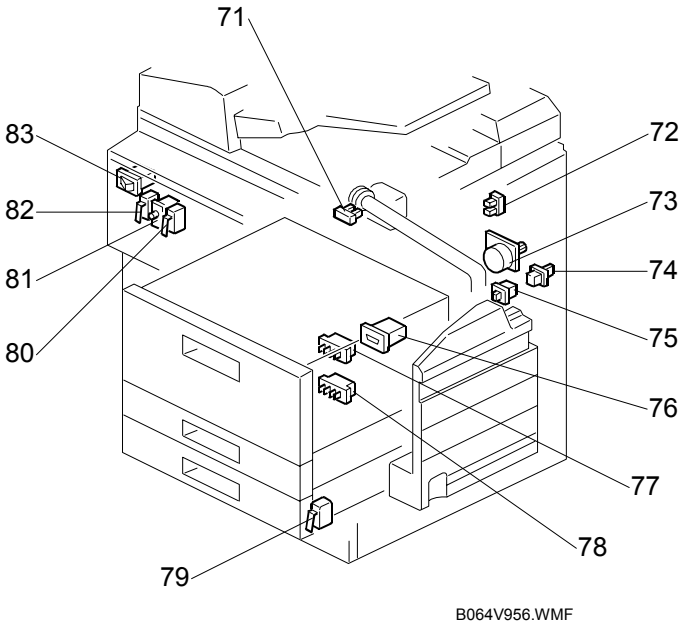
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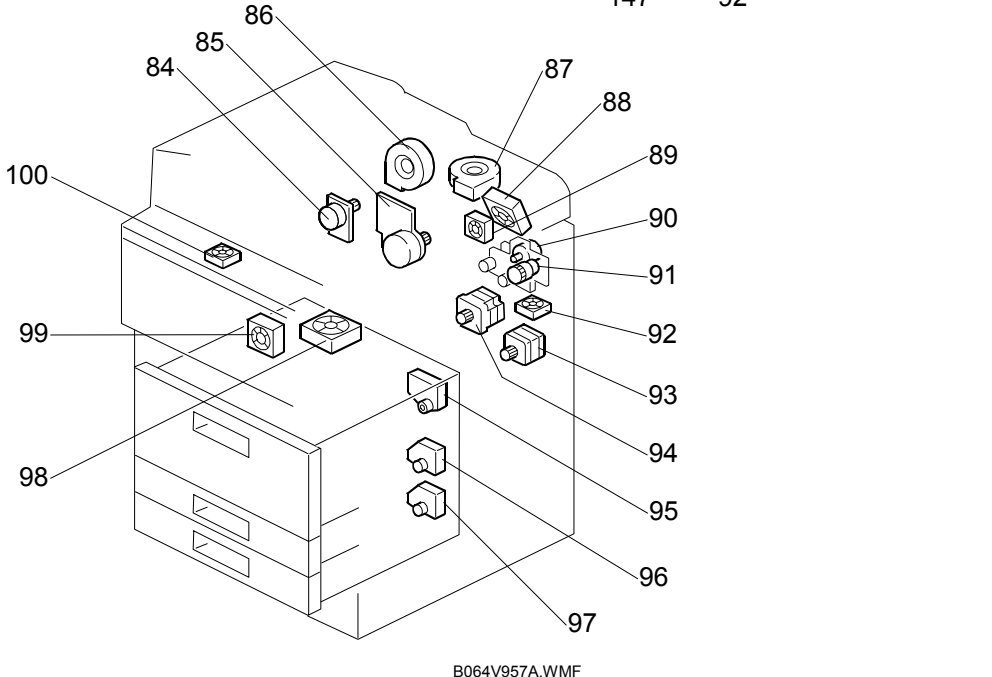
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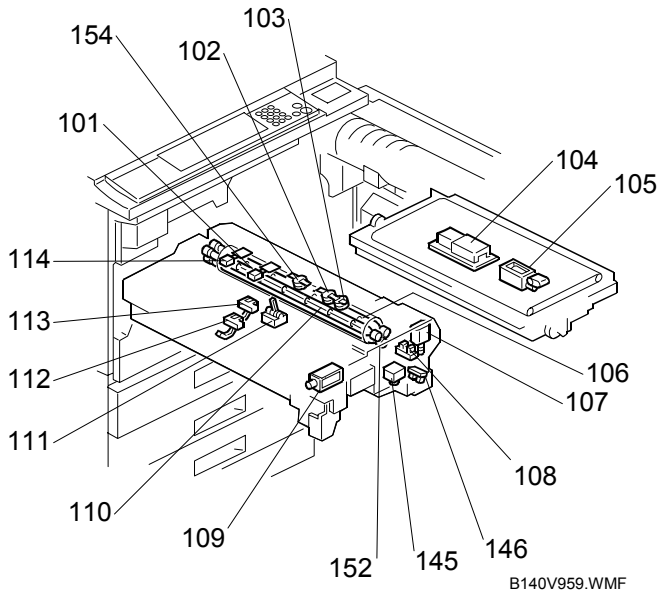
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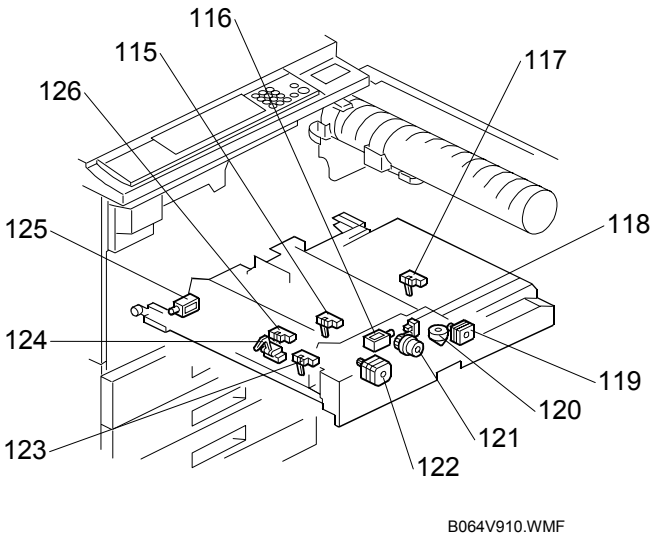
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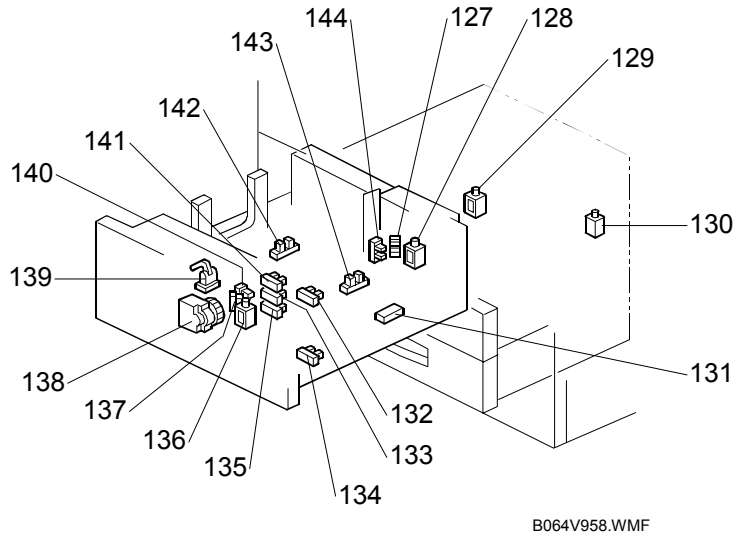
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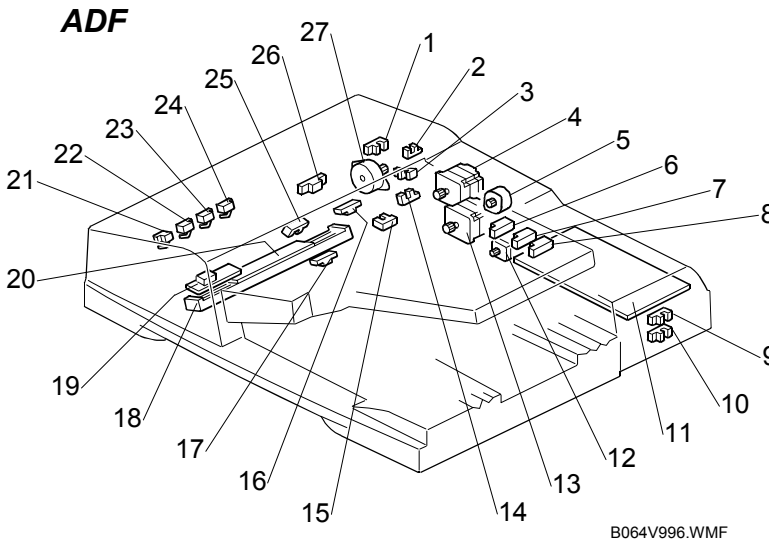
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B064V958.WMF



B064V996.WMF

ADF

B140/B141/B142/B143/B163/B228 ELECTRICAL COMPONENT LAYOUT (2/2)

Main Machine

Symbol	Index No.	Description	P to P
Motors			
M1	92	Bottom Side Cooling Fan	E6 (3/3)
M2	89	CPU Cooling Fan	E3 (3/3)
M3	22	Polygonal Mirror	J1 (1/3)
M4	100	Toner Cooling Fan	G4 (1/3)
M5	85	Drum	A2 (1/3)
M6	84	Fusing/Exit	B2 (1/3)
M7	90	Development	B2 (1/3)
M8	122	Duplex Inverter	A7 (1/3)
M9	120	Duplex Transport	A7 (1/3)
M10	94	Registration	A6 (1/3)
M11	93	By-pass Feed	
M12	17	Scanner	E4 (1/3)
M13	86	Exhaust Fan	C6 (1/3)
M14	87	Charge Power Pack Cooling Fan	C6 (1/3)
M15	19	Development Unit Cooling Fan 1	C6 (1/3)
M16	20	Development Unit Cooling Fan 2	C6 (1/3)
M17	88	Drum Cooling Fan	D6 (1/3)
M18	107	Web	E6 (1/3)
M19	67	Charge Corona Wire Cleaner	E6
M20	99	PCU Cooling Fan	E6 (1/3)
M21	121	Jogger	G6 (1/3)
M22	64	Toner Supply	J6 (1/3)
M23	98	Duplex Cooling Fan	J6 (1/3)
M24	32	Lower Relay	A6 (1/3)
M25	47	1st Paper Feed	C5 (2/3)
M26	41	3rd Paper Feed	C5 (2/3)
M27	42	2nd Paper Feed	C5 (2/3)
M28	96	2nd Tray Lift	B6 (2/3)
M29	97	3rd Tray Lift	B6 (2/3)
M30	95	1st Tray Lift	B7 (2/3)
M31	73	Toner Collection	B7 (2/3)
M32	138	Rear Fence	E6 (2/3)
M33	59	PSU Cooling Fan 1	E2 (2/3)
M34	60	PSU Cooling Fan 2	E2 (2/3)
M35	145	Fusing Pressure Release Motor	D6 (1/3)
Sensors			
S1	24	Original Width	D4 (1/3)
S2	14	Original Length 1	D4 (1/3)
S3	15	Original Length 2	E4 (1/3)
S4	11	Scanner HP	E4 (1/3)
S5	72	Toner Collection Motor	D6 (1/3)
S6	108	Web End	E6 (1/3)
S7	113	Exit Unit Entrance	E6 (1/3)
S8	112	Paper Exit	E6 (1/3)
S9	69	Image Density (ID)	E6 (1/3)
S10	70	Drum Potential	F6 (1/3)
S11	124	Duplex Entrance	F6 (1/3)
S12	126	Duplex Inverter	F6 (1/3)
S13	123	Duplex Transport 1	F6 (1/3)
S14	118	Duplex Jogger HP	G6 (1/3)
S15	115	Duplex Transport 2	G6 (1/3)
S16	117	Duplex Transport 3	G6 (1/3)
S17	71	Toner Collection Coil	G6 (1/3)

Symbol	Index No.	Description	P to P
S18	66	Toner End	H6 (1/3)
S19	65	Toner Density (TD)	H6 (1/3)
S20	1	Registration	I6 (1/3)
S21	7	By-pass Paper End	I6 (1/3)
S22	8	Relay	I6 (1/3)
S23	6	By-pass Paper Size	J6 (1/3)
S24	2	Guide Plate Position	J6 (1/3)
S25	26	1st Paper Feed	B2 (2/3)
S26	27	1st Vertical Transport	B2 (2/3)
S27	28	1st Paper End	B2 (2/3)
S28	29	1st Tray Lift	B2 (2/3)
S29	43	2nd Paper Feed	B3 (2/3)
S30	44	2nd Vertical Transport	B3 (2/3)
S31	45	2nd Paper End	B3 (2/3)
S32	46	2nd Tray Lift	B3 (2/3)
S33	40	3rd Paper Feed	B4 (2/3)
S34	39	3rd Vertical Transport	B4 (2/3)
S35	38	3rd Paper End	B4 (2/3)
S36	37	3rd Tray Lift	B4 (2/3)
S37	137	Front Side Fence Open	E5 (2/3)
S38	140	Front Side Fence Close	E5 (2/3)
S39	127	Rear Side Fence Open	E5 (2/3)
S40	144	Rear Side Fence Close	E5 (2/3)
S41	134	Right Tray Down	E5 (2/3)
S42	132	Near End	E5 (2/3)
S43	141	Paper Height 1	E5 (2/3)
S44	133	Paper Height 2	E5 (2/3)
S45	135	Paper Height 3	E6 (2/3)
S46	131	Right Tray Paper	E6 (2/3)
S47	142	Rear Fence HP	E6 (2/3)
S48	143	Rear Fence Return	E7 (2/3)
S49	139	Left Tray Paper	E7 (2/3)
S50	111	Fusing Exit	I2 (2/3)
S51	146	Fusing Pressure Release Sensor	D6 (1/3)
S52	147	Thermal / Humidity Sensor	I6 (1/3)
Switches			
SW1	80	Front Cover Safety 1	I4 (1/3)
SW2	82	Front Cover Safety 2	I4 (1/3)
SW3	81	Front Door Safety	A4 (1/3)
SW4	77	2nd Paper Size	B6 (2/3)
SW5	78	3rd Paper Size	B6 (2/3)
SW6	75	Toner Collection Bottle Set	B7 (2/3)
SW7	74	Toner Overflow	B7 (2/3)
SW8	79	Lower Front Door Safety	D4 (2/3)
SW9	83	Main	I4 (2/3)
Solenoids			
SOL1	109	Exit Junction Gate	D6 (1/3)
SOL2	117	Reverse Trigger Roller	F6 (1/3)
SOL3	125	Duplex Junction Gate	F6 (1/3)
SOL4	105	Transfer Belt Lift	H6 (1/3)
SOL5	3	By-pass Pick-up	I6 (1/3)
SOL6	4	Guide Plate	J6 (1/3)
SOL7	30	1st Pick-up	A2 (2/3)
SOL8	31	1st Separation Roller	A3 (2/3)
SOL9	32	2nd Pick-up	B3 (2/3)
SOL10	34	2nd Separation Roller	B3 (2/3)

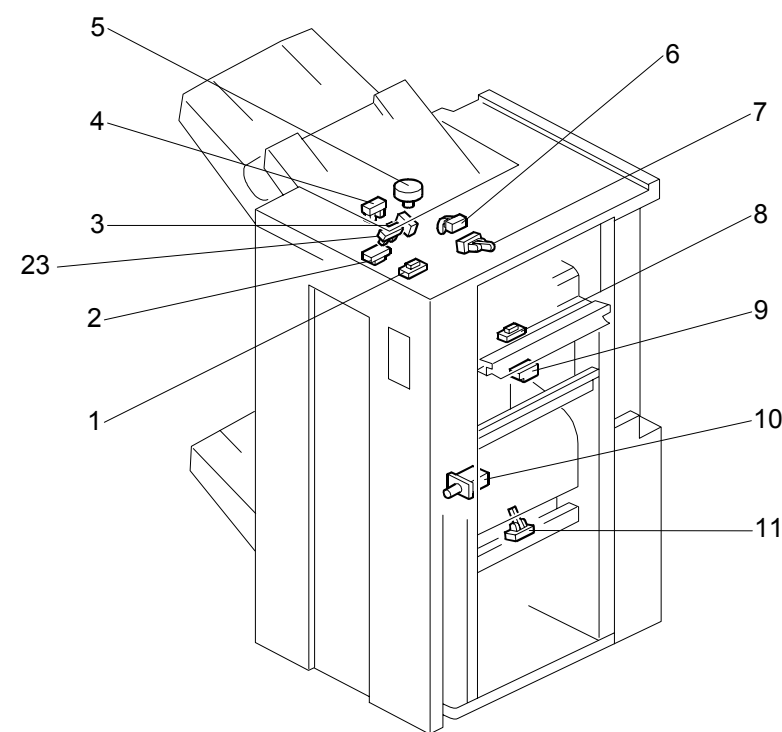
Symbol	Index No.	Description	P to P
SOL11	35	3rd Pick-up	B4 (2/3)
SOL12	36	3rd Separation Roller	B4 (2/3)
SOL13	136	Front Side Fence	E6 (2/3)
SOL14	128	Rear Side Fence	E6 (2/3)
SOL15	130	Right Tray Lock	E7 (2/3)
SOL16	129	Left Tray Lock	E7 (2/3)
Magnetic Clutches			
MC1	122	Duplex Transport	F6 (1/3)
MC2	5	By-pass Feed	I6 (1/3)
MC3	91	Toner Supply	B1 (1/3)
PCBs			
PCB1	52	Mother	E5 (3/3)
PCB3	53	Controller	E4 (3/3)
PCB4	54	IPU (Image Processing Control Unit)	H2 (1/3)
PCB5	18	VIB (Video Interface Board)	G4 (1/3)
PCB6	16	SBU (Sensor Board Unit)	F4 (1/3)
PCB7	25	Operation Panel	G4 (1/3)
PCB8	23	LDB (Laser Drive Board)	H3 (1/3)
PCB9	49	CNB (Connection Board)	C3 (1/3)
PCB10	56	DRB (Drive Board)	A5 (1/3)
PCB11	50	BCU (Base Engine Control Unit)	H5 (1/3)
PCB12	13	SDRB (Scanner Drive Board)	E4 (1/3)
PCB13	12	Lamp Regulator	J6 (1/3)
PCB14	58	PFC (Paper Feed Control)	C3 (2/3)
PCB15	57	PSU	F2 (2/3)
PCB16	149	External Controller Interfase Board	G4 (3/3)
PCB17	150	CSS	F6 (3/3)
PCB18	151	Controller PSU	I5 (3/3)
Lamps			
L1	68	Quenching Lamp	F6 (1/3)
L2	10	Exposure Lamp	J6 (1/3)
L3	110	Fusing Lamp 1	I3 (2/3)
L4	106	Fusing Lamp 2	I3 (2/3)
L5	152	Fusing Lamp 3	I3 (2/3)
L6	153	PTL	F6 (1/3)
Power Packs			
PP1	51	Charge	D6 (1/3)
PP2	55	Development	H6 (1/3)
PP3	104	Transfer	H6 (1/3)
Others			
CO1	—	Key Counter (Option)	E4 (1/3)
CO2	76	Mechanical Counter	H6 (1/3)
H1	63	Drum	G1 (2/3)
H2	9	Scanner (Option)	G1 (2/3)
H3	61	Lower Tray	G1 (2/3)
H4	62	Upper Tray	G1 (2/3)
LSD1	21	Laser Synchronization Detector	J2 (1/3)
TH1	101	Thermistor 1	I2 (2/3)
TH2	114	Thermistor 2	I2 (2/3)
TS1	102	Thermostat 1	I3 (2/3)

Symbol	Index No.	Description	P to P
TS2	103	Thermostat 2	I3 (2/3)
TS3	154	Thermostat 3	I3 (2/3)
HDD1	155	HDD	

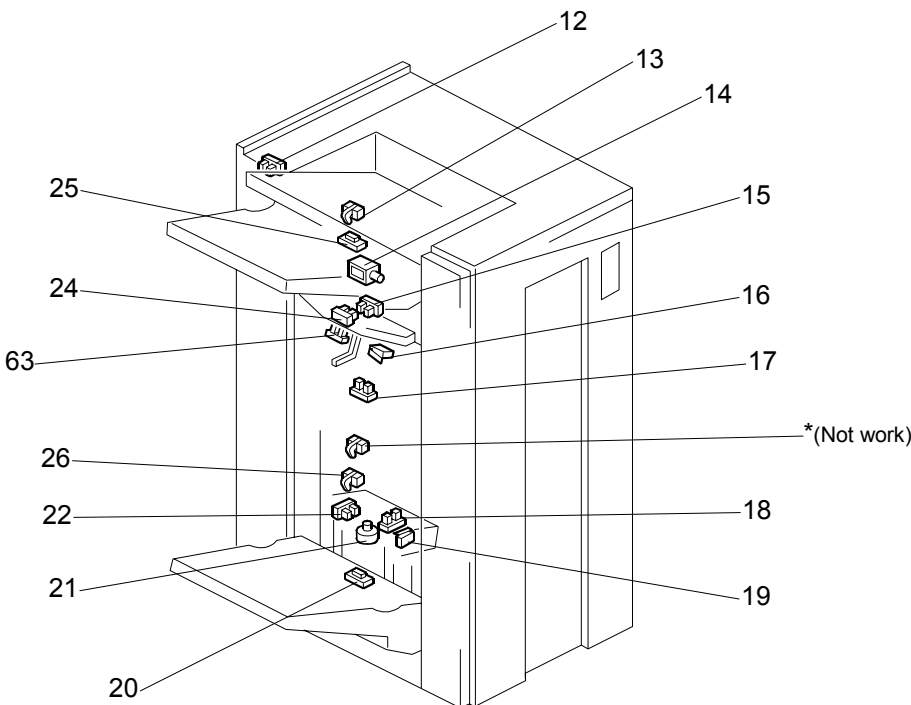
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Symbol	Index No.	Description	P to P
Motors			
M1	4	Feed	J3
M2	13	Transport	J4
M3	12	Exit	J4
M4	27	Pick-up	J5
M5	5	Bottom Plate	J5
Sensors			
S1	14	Original Set	A1
S2	15	Bottom Plate HP	A1
S3	3	Bottom Plate Position	A2
S4	2	Feed Cover	A2
S5	24	Original Width 1	A2
S6	23	Original Width 2	A3
S7	22	Original Width 3	A3
S8	21	Original Width 4	A3
S9	1	Pick-up Roller HP	A4
S10	8	Original Length 3	A4
S11	7	Original Length 2	A5
S12	6	Original Length 1	A5
S13	9	DF Position	A5
S14	10	APS Start	A6
S15	26	Interval	A6
S16	16	Skew Correction	A6
S17	17	Exit	A7
S18	25	Registration	A7
PCBs			
PCB1	11	DF Main	E4
PCB2	20	CIS	G7
PCB3	19	CIS Power Supply	H7
Lamps			
L1	18	CIS	I7

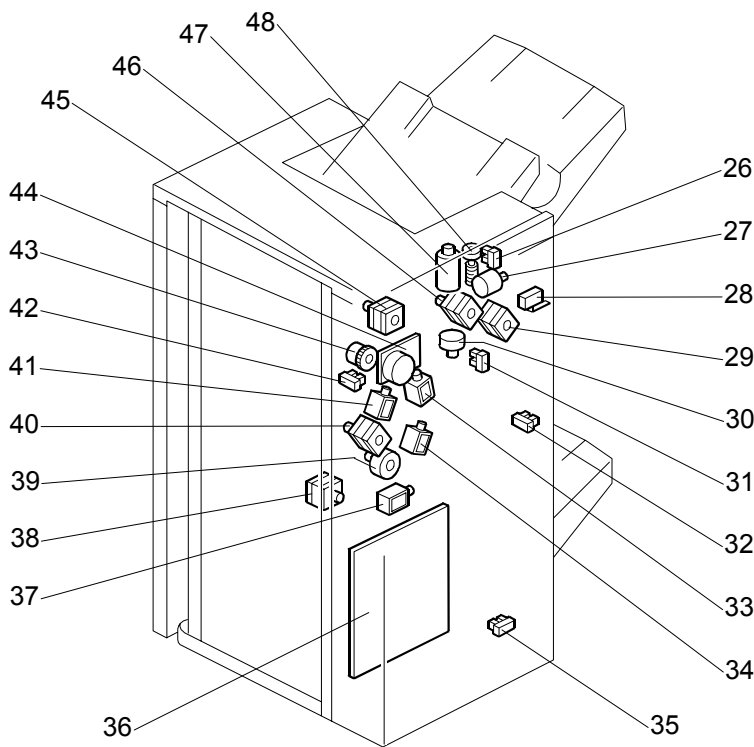
3000-SHEET BOOKLET FINISHER (B674) ELECTRICAL COMPONENT LAYOUT



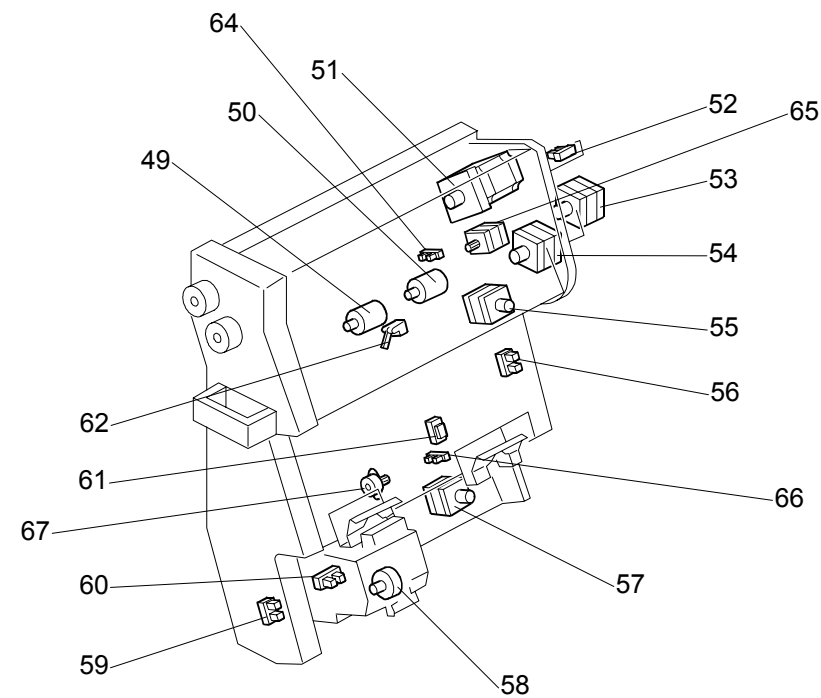
B468V102.WMF



B468V103.WMF



B468V006.WMF



B468V107.WMF

Symbol	Index No.	Description	P to P
Motors			
M1	40	Entrance Motor	J2
M2	38	Stapler Transport Motor	J3
M3	45	Proof Tray Motor	J3
M4	46	Shift Drive Motor	J3
M5	29	Exit Motor	J4
M6	39	Pre-Stack Motor	J4
M7	30	Shift Roller Motor	J5
M8	55	Jogger Motor	J5
M9	57	Stapler Movement Motor	J5
M10	58	Stapler Rotation Motor	J6
M11	54	Feed Out Belt Motor	J6
M12	5	Guide Plate Motor	J6
M14	47	Lower Tray Lift Motor	G2
M15	27	Upper Tray Lift Motor	G2
M16	48	Booklet Stapler Motor 1*	G3
M17	50	Booklet Stapler Motor 2*	G3
M18	51	Folder Roller Motor*	G4
M19	53	Folder Plate Motor*	G4
M20	21	Pressure Plate Motor*	G4
M21	44	Punch Motor	A7
M23	65	Jogger Top Fence Motor	J7
M24	67	Jogger Bottom Fence Motor	J7
Sensors			
S1	8	Finisher Entrance Sensor	A1
S2	2	Exit Sensor	A1
S3	7	Proof Tray Exit Sensor	A1
S4	11	Stapler Entrance Sensor	A2
S5	1	Shift Timing Sensor	A2

Symbol	Index No.	Description	P to P
S6	31	Shift Roller HP Sensor	A2
S7	4	Guide Plate HP Sensor	A2
S8	62	Feed Out Belt HP Sensor	A3
S9	52	Folder Plate HP Sensor*	A3
S10	18	Pressure Plate HP Sensor	A3
S11	22	Pressure Plate Lift Sensor*	A3
S12	12	Upper Tray Limit Sensor	A4
S13	32	Upper Tray Full Sensor	A4
S15	60	Stapler Rotation Sensor	A4
S16	13	Upper Tray Paper Height Sensor*	A5
S17	15	Paper Height Sensor 1* (Lower Tray)	A5
S18	24	Paper Height Sensor 2* (Lower Tray)	A5
S19	35	Lower Tray Full Sensor (Saddle Stitch Mode)	A5
S20	48	Lower Tray Encoder	A6
S21	9	Punch Hopper Full Sensor	A6
S22	42	Punch HP Sensor	A6
S23	23	Guide Plate Position Sensor	E6
S24	26	Pressure Plate Sutter Position Sensor	E6
S25	56	Jogger Fence HP Sensor	E5
S26	59	Stapler HP Sensor	E5
S27	61	Stapler Tray Paper Sensor	E5
S28	17	Booklet Exit Sensor	E6
S29	25	Upper Tray Paper Sensor*	B5
S30	20	Lower Tray Paper Sensor*	B5

Symbol	Index No.	Description	P to P
S31	64	Top Fence HP Sensor	J1
S32	66	Bottom Fence HP Sensor	J2
S33	63	Lower Tray Paper Height Sensor 3	J2
S34	6	Proof Tray Full Sensor	J2
Switches			
SW1	10	Door Switch	F5
SW2	16	Upper Limit Switch (Lower Tray)	E1
SW3	19	Pressure Plate Limit Switch*	E1
SW4	28	Upper Limit Switch* (Upper Tray)	E2
SW5	3	Guide Plate Limit Switch	E2
Solenoids			
SOL1	41	Proof Junction Gate Solenoid	G1
SOL2	33	Stapler Junction Gate Solenoid	G1
SOL3	34	Pre-Stack Junction Gate Solenoid	G1
SOL4	37	Positioning Roller Solenoid	E1
SOL5	14	Upper Tray Lift Solenoid *	A4
Magnetic Clutches			
CL1	43	Punch Clutch	A6
PCBs			
PCB1	36	Main Board	D, H