

D429 POINT TO POINT DIAGRAM

Main Board PCB1

Punch Control Board PCB2

Stapler Unit

Punch Unit

Inverter Unit

Components and Connections:

- Power supply:** +24V, +5V, N.C.
- Interface:** RXD, TXD, SGMD, N.C.
- Unit open switch:** SW1
- Sensors:** S1 (Pick-up roller HP), S3 (Stapler unit HP), S5 (Stack height sensor 1), S6 (Stack height sensor 2), S9 (Jogger unit paper), S10 (Front jogger fence HP), S11 (Rear jogger fence HP), S12 (Entrance), S13 (Relay), S14 (Slider plate rear position), S15-1 (Paper edge and size sensors emitter), S15-2 (Paper edge and size sensors receptor), S16 (Punch full), S17 (Slider plate HP), S18 (Registration HP).
- Motors:** M1 (Stapler Unit Movement), M2 (Pick-Up Roller Contact), M3 (Stapler), M4 (Feed), M5 (Paper transport), M6 (Output tray), M7 (Front Jogger), M8 (Rear Jogger), M9 (Punch), M10 (Registration).
- Solenoids:** SOL1 (Belt roller), SOL2 (Paddle roller), SOL3 (Stack height level), SOL4 (Inverter junction gate), SOL5 (Inverter roller).
- Fan:** FAN1 (Front fan).

Pin Headers:

- CN.1:** +5V, SGMD, PULS
- CN.2:** +5V, SGMD, PIS, +5V, SGMD, REARS, +5V, YHPS
- CN.3:** +5V, SGMD, PHDS, +5V, SGMD, PHDS
- CN.4:** +5V, SGMD, EMPS, +5V, SGMD, JHPS1, +5V, SGMD, JHPS2
- CN.5:** N.C., N.C., N.C., N.C., +5V, SGMD, EMPS, +5V, SGMD, JHPS1, +5V, SGMD, JHPS2
- CN.6:** +24V, TX SW, TX PH, +5V, SGMD, STHS, +5V, SGMD, RUDS, N.C.
- CN.7:** +5V, SGMD, A1, B1, C1, DA-COM, YK-LED-DA, YK-PTR-AM, AM-COM, P-SET, PIS, REARS, YHPS, P2
- CN.8:** +24V, +24V, +24V, N.C., +24V, +24V, +24V, N.C., +24V, +24V, +24V, N.C.
- CN.9:** +24V, TX SW, TX PH, +5V, SGMD, STHS, +5V, SGMD, RUDS, N.C.
- CN.10:** +5V, SGMD, TULS, +5V, SGMD, TLLS, TRYM, TRYM
- CN.11:** +24V, FAN-LOCK, PGMD
- CN.12:** ST-NOT-A, ST-NOT-A, ST-NOT-B, ST-NOT-B
- CN.13:** +24V, +24V, RD-NOT-A, RD-NOT-A, RD-NOT-B, RD-NOT-B, N.C.
- CN.14:** +24V, +24V, T-NOT-A, T-NOT-A, T-NOT-B, T-NOT-B, H-NOT-A, H-NOT-A, H-NOT-B, H-NOT-B
- CN.15:** +24V, NR-SOL, +24V, F-SOL, N.C.
- CN.16:** +24V, +24V, +24V, N.C., +24V, +24V, +24V, N.C.
- CN.17:** +5V, SGMD, A1, B1, C1, DA-COM, YK-LED-DA, YK-PTR-AM, AM-COM, P-SET, PIS, REARS, YHPS, P2
- CN.18:** +5V, SGMD, A1, B1, C1, DA-COM, YK-LED-DA, YK-PTR-AM, AM-COM, P-SET, PIS, REARS, YHPS, P2
- CN.19:** +5V, SGMD, A1, B1, C1, DA-COM, YK-LED-DA, YK-PTR-AM, AM-COM, P-SET, PIS, REARS, YHPS, P2
- CN.20:** +24V, S-SOL, +24V, T-SOL, +24V, P-SOL
- CN.21:** +24V, BR-SOL
- CN.22:** +24V, FAN-LOCK, PGMD

D429/D390 ELECTRICAL COMPONENT LAYOUT

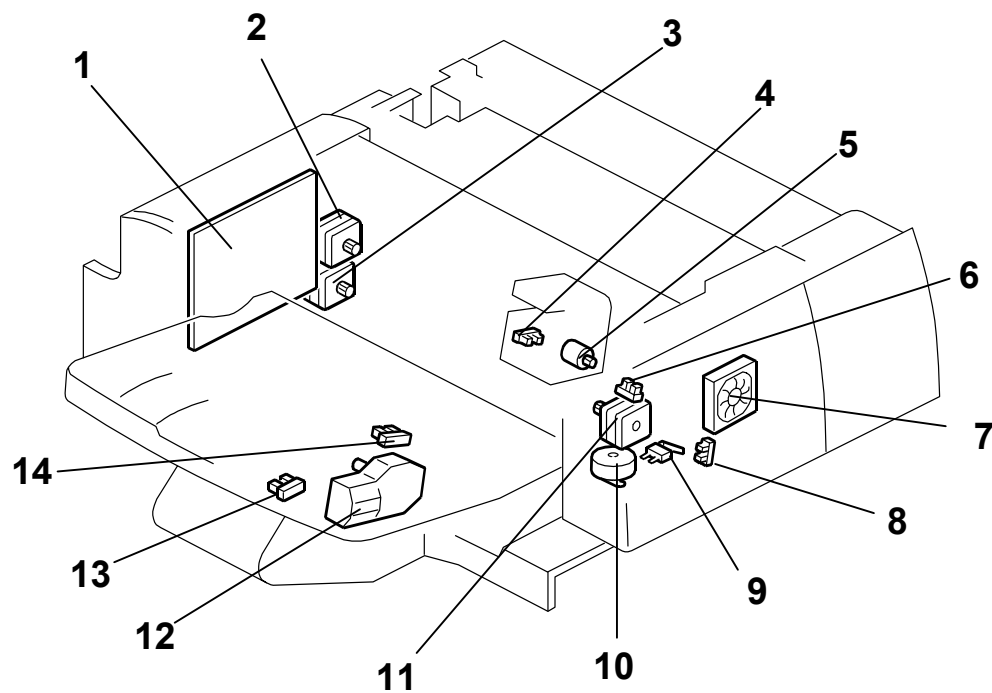


Fig 1

d429v201

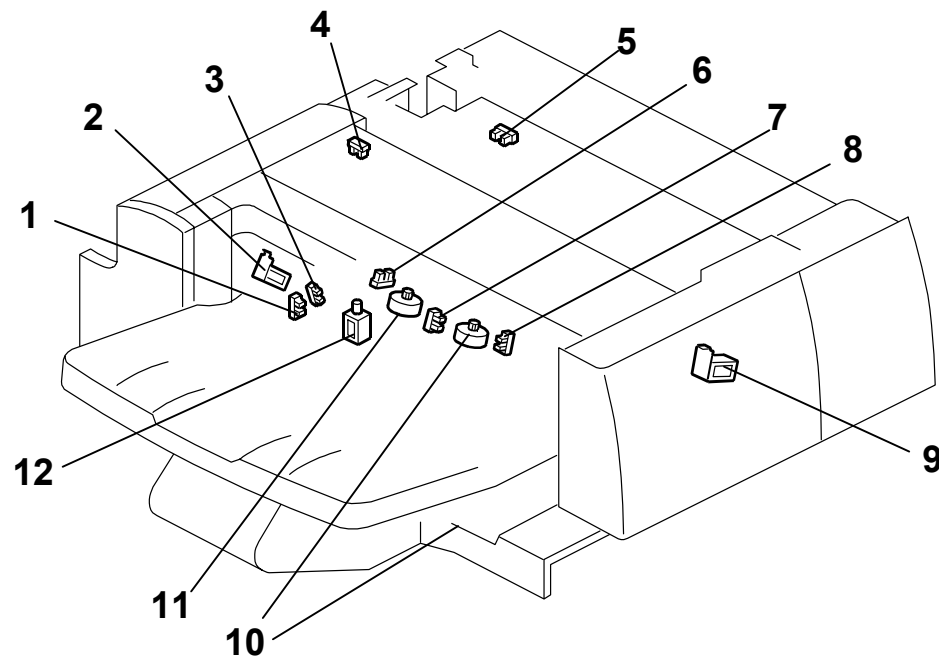


Fig 2

d429v202

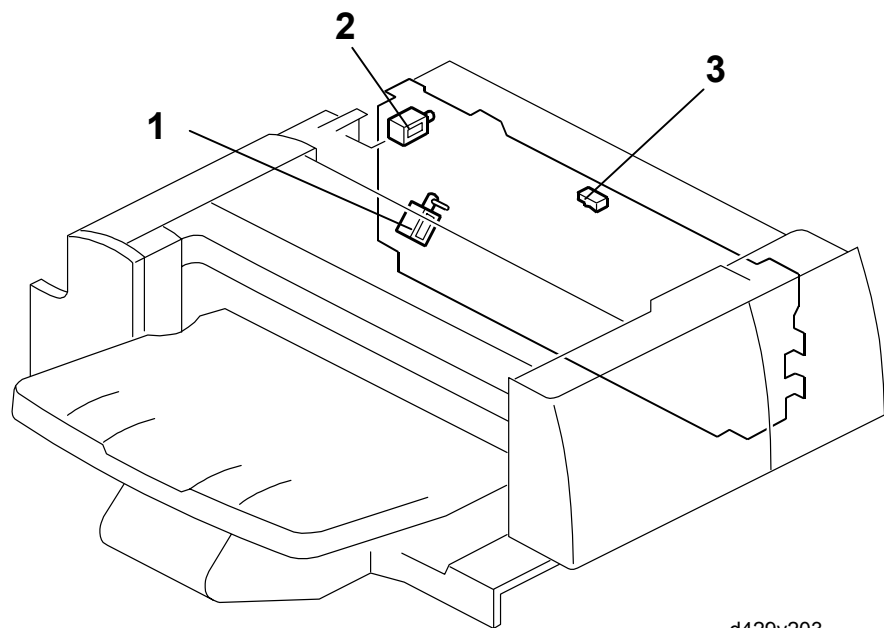


Fig 3

d429v203

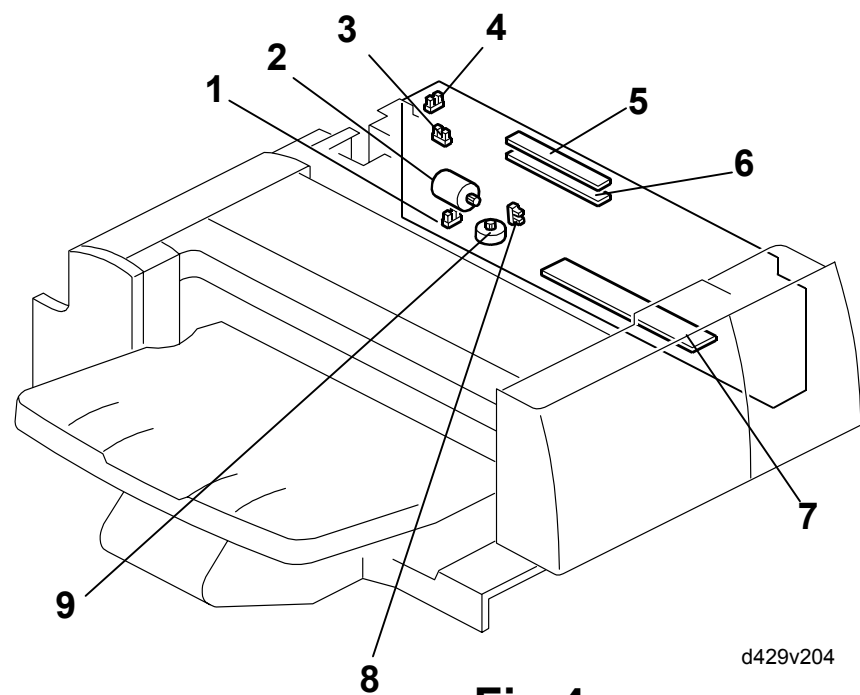


Fig 4

d429v204

Symbol	Index No.	Description	P to P
Motors			
M1	F 1-10	Stapler Unit Movement Motor	E7
M2	F 1-11	Pick-Up Roller Contact Motor	F7
M3	F 1-5	Stapler Motor	D7
M4	F 1-2	Feed Motor	G7
M5	F 1-3	Paper Transport Motor	G7
M6	F 1-12	Output Tray Motor	F7
M7	F 2-10	Front Jogger Motor	E7
M8	F 2-11	Rear Jogger Motor	F7
Sensors			
S1	F 1-6	Pick-up Roller HP Sensor	C2
S4	F 2-4	Belt Roller Position Sensor	D2
S2	F 1-4	Stapler Safety Sensor	D7
S5	F 2-3	Stack Height Sensor 1	C2
S6	F 2-1	Stack Height Sensor 2	C2
S7	F 1-14	Tray Upper Limit Sensor	E2
S8	F 1-13	Tray Lower Limit Sensor	E2
S9	F 2-7	Jogger Unit Paper Sensor	C2
S10	F 2-8	Front Jogger Fence HP Sensor	C2
S11	F 2-6	Rear Jogger Fence HP Sensor	D2
S3	F 1-8	Stapler Unit HP Sensor	B2
S12	F 3-3	Entrance Sensor	E2
S13	F 2-5	Relay Sensor	D2
Switches			
SW1	F 1-9	Unit Open Switch	B2
Solenoids			
SOL1	F 2-9	Belt Roller Solenoid	F2
SOL2	F 2-12	Paddle Roller Solenoid	G2
SOL3	F 2-2	Stack Height Lever Solenoid	F2
SOL4	F 3-2	Inverter Junction Gate Solenoid	E2
SOL5	F 3-1	Inverter Roller Solenoid	D2
PCB			
PCB1	F 1-1	Main Board	A4
FAN			
FAN1	F 1-7	Front Fan	E7

Symbol	Index No.	Description	P to P
Sensors			
S14	F 4-4	Slider Plate Rear Position Sensor	B9
S15-1	F 4-5	Paper Edge and Size Sensors (Receptor)	C10
S15-2	F 4-6	Paper Edge and Size Sensors (Emitter)	D10
S16	F 4-7	Punch Full Sensor	A9
S17	F 4-3	Slider Plate HP Sensor	A9
S18	F 4-1	Registration HP Sensor	B9
Motors			
M9	F 4-2	Punch Motor	B9
M10	F 4-9	Registration Motor	B9
PCB			
PCB2	F 4-8	Punch Control Board	B7