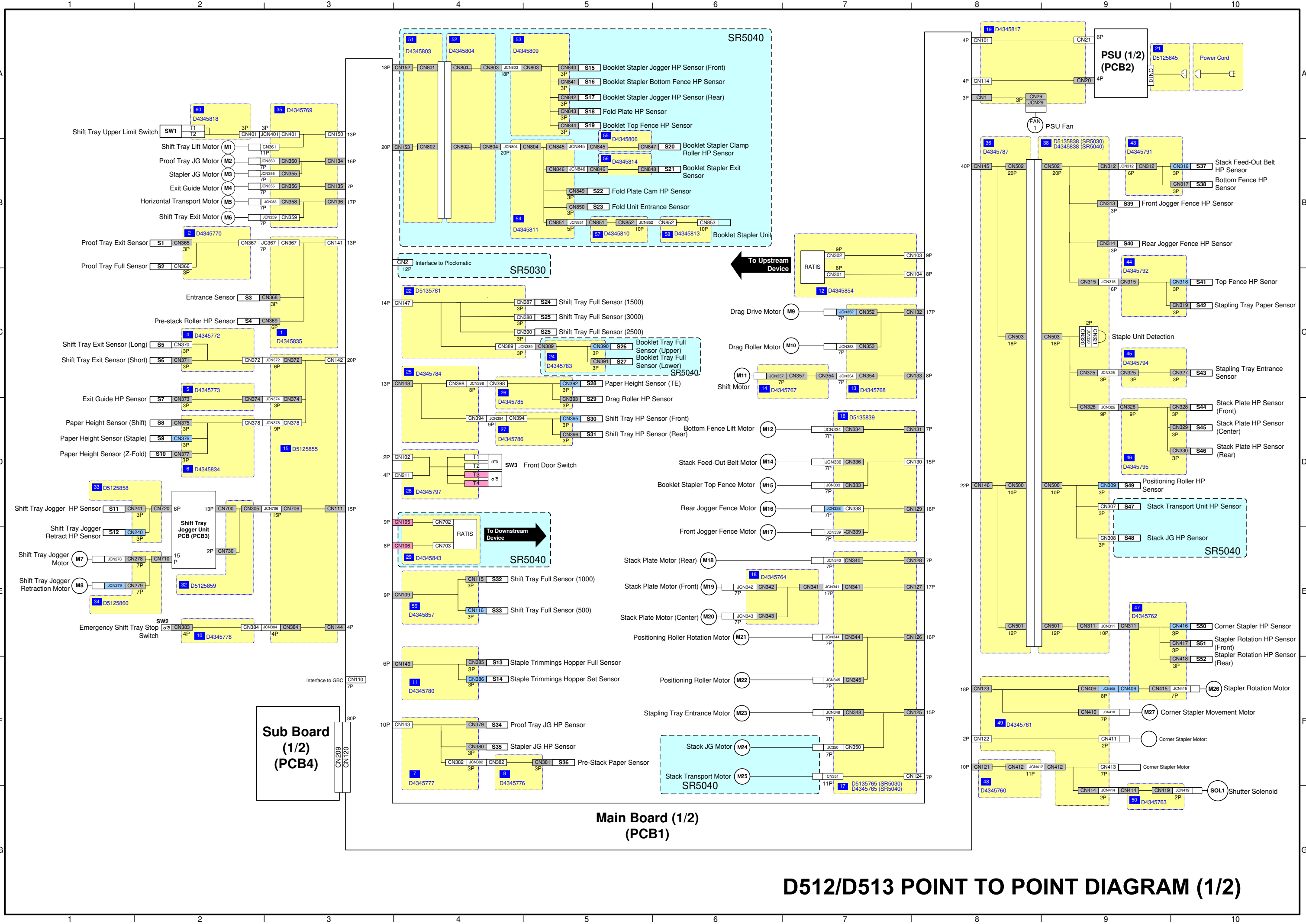




Sub Board (2/2)  
(PCB4)

Main Board (2/2)  
(PCB1)

Punch Control Board  
(PCB5)

CRB (PCB6)

Punch Unit  
(Option)

D512/D513 ELECTRICAL COMPONENT LAYOUT (1/2)

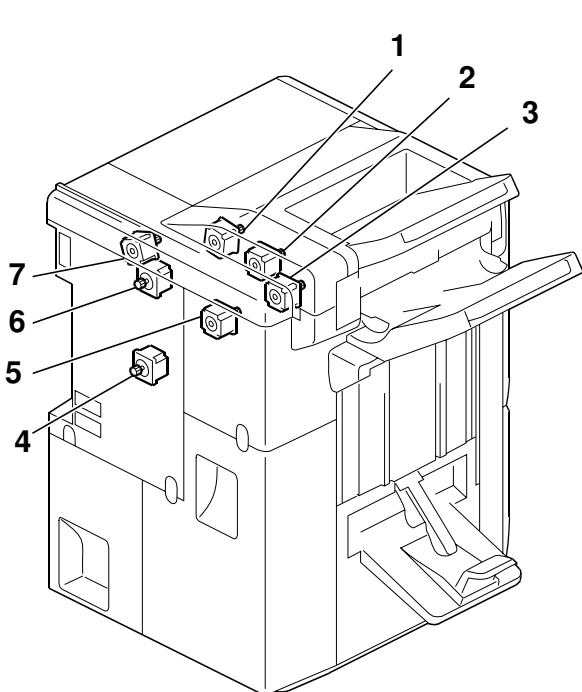


Fig.-1 d512d201

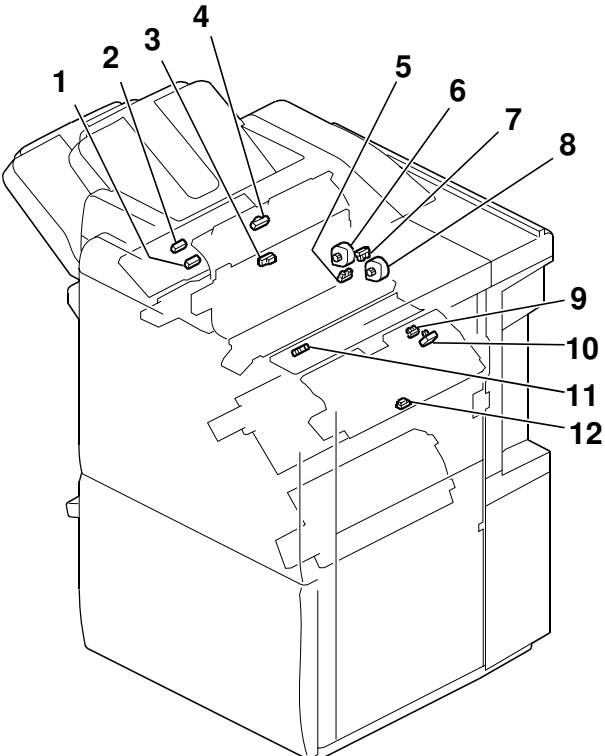


Fig.-2 d512d202

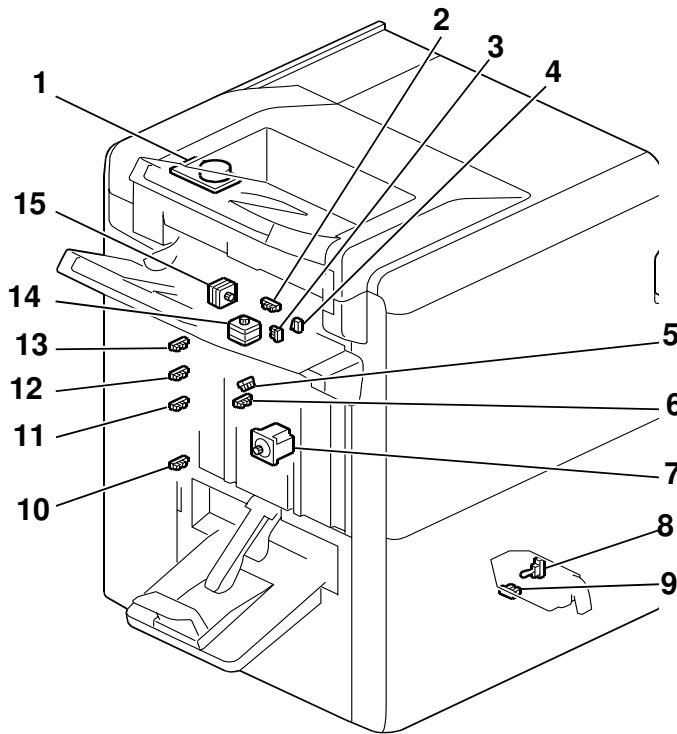


Fig.-3 d512d203

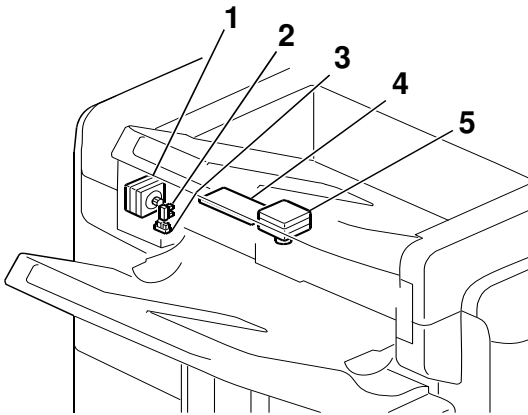


Fig.-4 d512d204

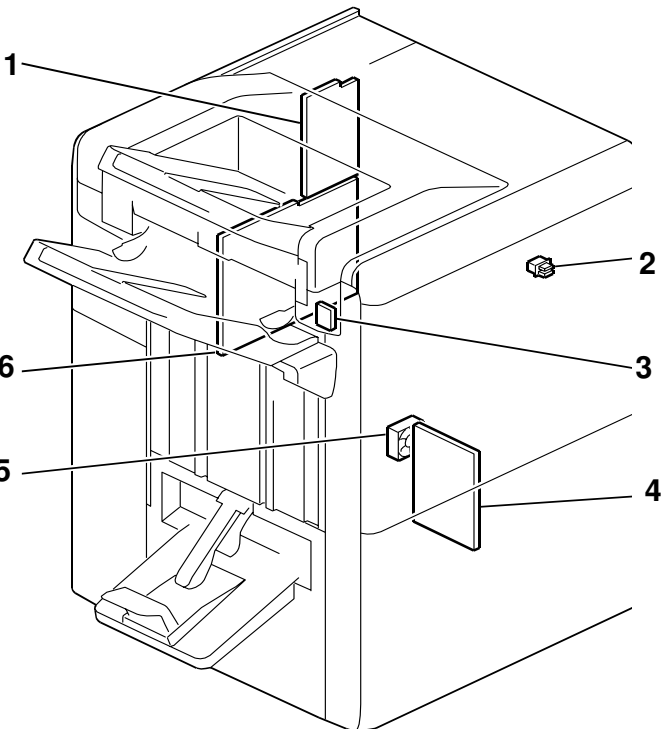


Fig.-5 d512d205

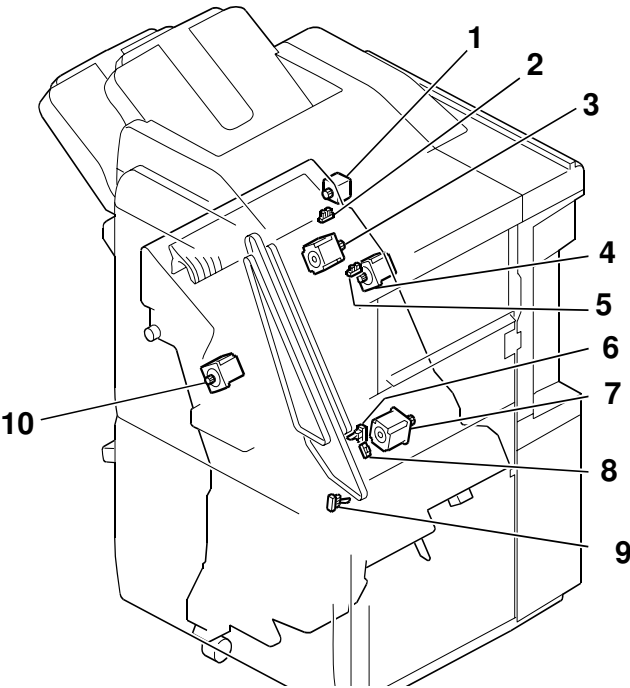


Fig.-6 d512d206

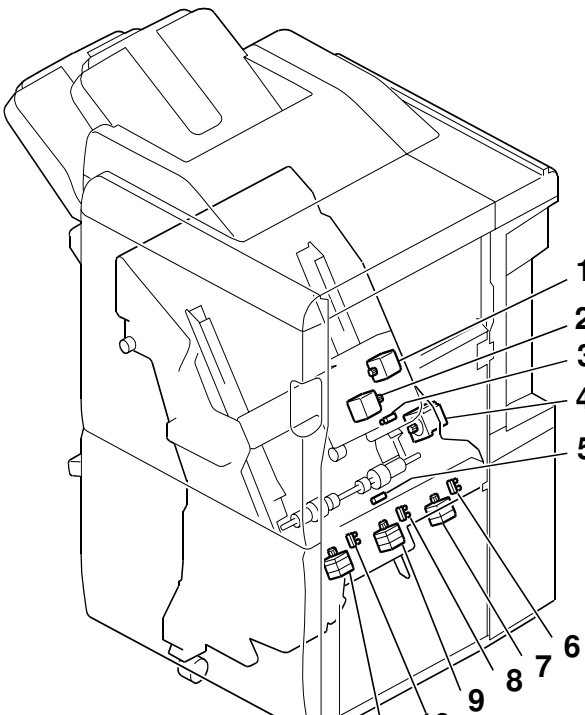


Fig.-7 d512d207

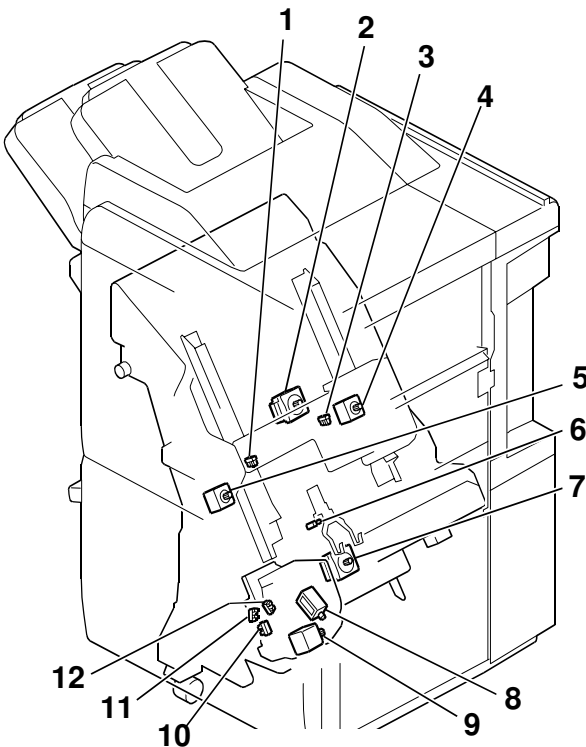


Fig.-8 dd512d208

D512/D513 ELECTRICAL COMPONENT LAYOUT (2/2)

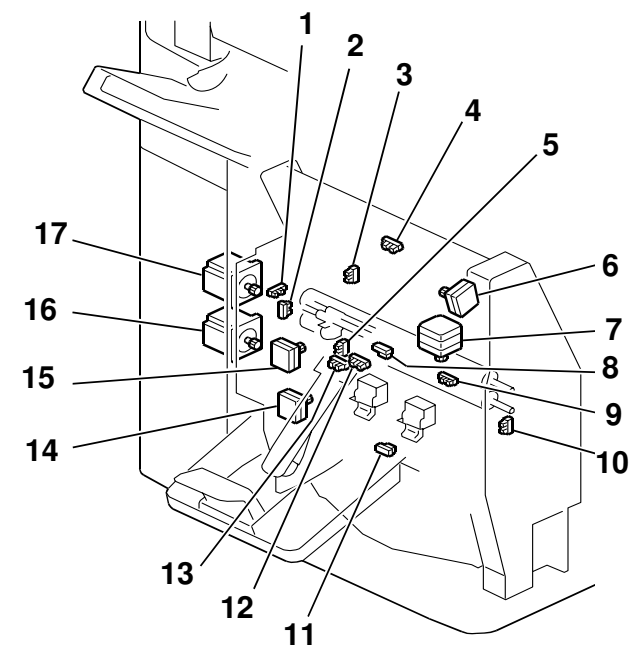


Fig.-9 d512d209

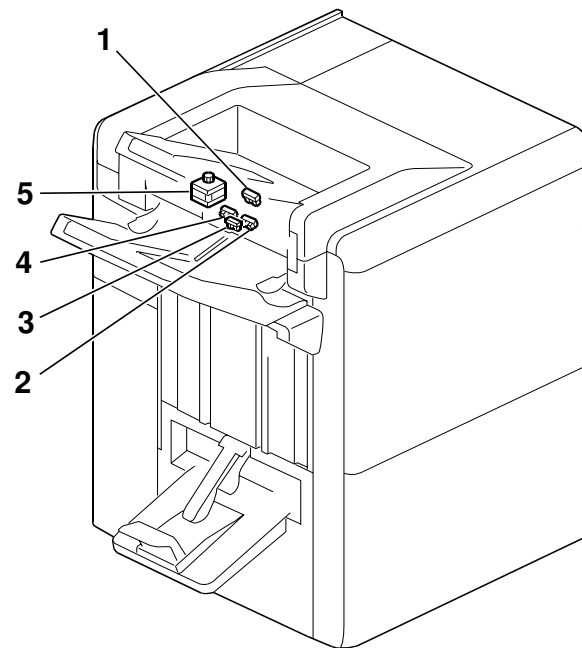


Fig.-10 d512d210

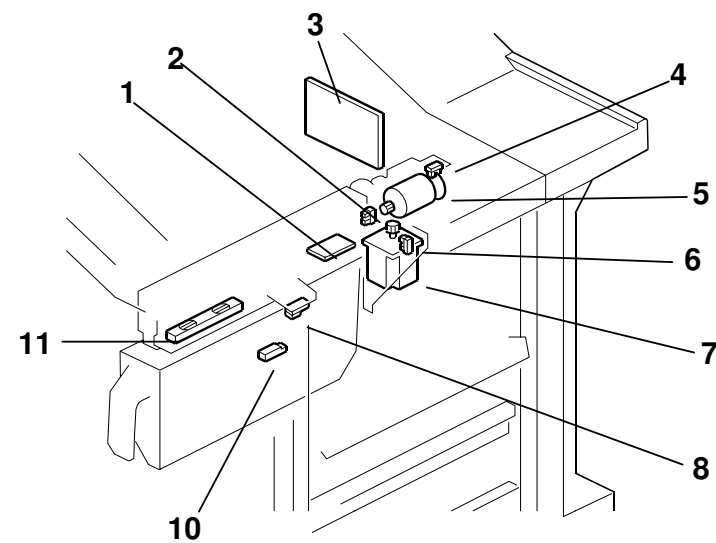


Fig.-11 d449d201

| Symbol   | Index No. | Description                        | P to P | Page    |
|----------|-----------|------------------------------------|--------|---------|
| Motors   |           |                                    |        |         |
| M1       | F3-1      | Shift Tray Lift Motor              | B2     | 1/2     |
| M2       | F2-6      | Proof Tray JG Motor                | B2     | 1/2     |
| M3       | F2-8      | Stapler JG Motor                   | B2     | 1/2     |
| M4       | F10-5     | Exit Guide Motor                   | B2     | 1/2     |
| M5       | F1-5      | Horizontal Transport Motor         | B2     | 1/2     |
| M6       | F1-3      | Shift Tray Exit Motor              | B2     | 1/2     |
| M7       | F4-5      | Shift Tray Jogger Motor            | E1     | 1/2     |
| M8       | F4-1      | Shift Tray Jogger Retraction Motor | E1     | 1/2     |
| M9       | F3-14     | Drag Drive Motor                   | C7     | 1/2     |
| M10      | F3-15     | Drag Roller Motor                  | C7     | 1/2     |
| M11      | F3-7      | Shift Motor                        | C6     | 1/2     |
| M12      | F8-2      | Bottom Fence Lift Motor            | C6     | 1/2     |
| M14      | F6-10     | Stack Feed-Out Belt Motor          | C6     | 1/2     |
| M15      | F6-7      | Booklet Stapler Top Fence Motor    | C6     | 1/2     |
| M16      | F8-4      | Rear Jogger Fence Motor            | C6     | 1/2     |
| M17      | F8-5      | Front Jogger Fence Motor           | E6     | 1/2     |
| M18      | F7-7      | Stack Plate Motor (Rear)           | E6     | 1/2     |
| M19      | F7-11     | Stack Plate Motor (Front)          | E6     | 1/2     |
| M20      | F7-9      | Stack Plate Motor (Center)         | E6     | 1/2     |
| M21      | F7-2      | Positioning Roller Rotation Motor  | E6     | 1/2     |
| M22      | F7-1      | Positioning Roller Motor           | F6     | 1/2     |
| M23      | F7-4      | Stapling Tray Entrance Motor       | F6     | 1/2     |
| M24      | F6-1      | Stack JG Motor                     | F6     | 1/2     |
| M25      | F6-3      | Stack Transport Motor              | F6     | 1/2     |
| M26      | F8-9      | Stapler Rotation Motor             | F10    | 1/2     |
| M27      | F8-7      | Corner Stapler Movement Motor      | F9     | 1/2     |
| M28      | F9-7      | Booklet Stapler Clamp Roller Motor | E4     | 2/2     |
| M29      | F9-6      | Booklet Stapler Bottom Fence Motor | E4     | 2/2     |
| M30      | F9-15     | Booklet Stapler Side Fence Motor   | E4     | 2/2     |
| M31      | F9-14     | Booklet Stapler Bottom Fence Motor | F4     | 2/2     |
| M32      | F9-16     | Fold Plate Motor                   | F4     | 2/2     |
| M33      | F9-17     | Fold Roller Motor                  | F4     | 2/2     |
| M34      | F1-2      | Proof Tray Exit Motor              | C4     | 2/2     |
| M35      | F1-1      | Pre-Stack JG Motor                 | C4     | 2/2     |
| M36      | F1-7      | Registration Motor                 | C4     | 2/2     |
| M37      | F1-6      | Entrance Roller Motor              | C4     | 2/2     |
| M38      | F2-10     | Pre-Stack Release Motor            | D4     | 2/2     |
| M39      | F1-4      | Pre-Stack Motor                    | D4     | 2/2     |
| M40      | F11-7     | Punch Movement Motor               | D8     | 2/2     |
| M41      | F11-5     | Punch Drive Motor                  | D8     | 2/2     |
| PCBs     |           |                                    |        |         |
| PCB1     | F5-6      | Main Board                         | G5     | 1/2     |
| PCB2     | F4-4      | Shift Tray Jogger Unit PCB         | E2     | 1/2     |
| PCB3     | F5-4      | PSU                                | A9     | 1/2     |
| PCB4     | F5-1      | Sub Board                          | F3/C2  | 1/2,2/2 |
| PCB5     | F11-3     | Punch Control Board                | D7     | 2/2     |
| PCB6     | F11-1     | CRB                                | C9     | 2/2     |
| Solenoid |           |                                    |        |         |
| SOL1     | F8-8      | Shutter Solenoid                   | G10    | 1/2     |
| Switches |           |                                    |        |         |
| SW1      | F3-4      | Shift Tray Upper Limit Switch      | A2     | 1/2     |
| SW2      | F5-3      | Emergency Shift Tray Stop Switch   | E2     | 1/2     |
| SW3      | F5-2      | Front Door Switch                  | D3     | 1/2     |
| Fan      |           |                                    |        |         |
| FAN1     | F5-5      | FAN1                               | A8     | 1/2     |

| Symbol  | Index No. | Description                              | P to P | Page |
|---------|-----------|------------------------------------------|--------|------|
| Sensors |           |                                          |        |      |
| S1      | F2-3      | Proof Tray Exit Sensor                   | B2     | 1/2  |
| S2      | F2-4      | Proof Tray Full Sensor                   | B2     | 1/2  |
| S3      | F2-12     | Entrance Sensor                          | C2     | 1/2  |
| S4      | F2-9      | Pre-stack Roller HP Sensor               | C2     | 1/2  |
| S5      | F2-2      | Shift Tray Exit Sensor (Long)            | C2     | 1/2  |
| S6      | F2-1      | Shift Tray Exit Sensor (Short)           | C2     | 1/2  |
| S7      | F10-1     | Exit Guide HP Sensor                     | C2     | 1/2  |
| S8      | F10-2     | Paper Height Sensor (Shift)              | D2     | 1/2  |
| S9      | F10-3     | Paper Height Sensor (Staple)             | D2     | 1/2  |
| S10     | F10-4     | Paper Height Sensor (Z-Fold)             | D2     | 1/2  |
| S11     | F4-2      | Shift Tray Jogger HP Sensor              | D1     | 1/2  |
| S12     | F4-3      | Shift Jogger Fence Retract HP Sensor     | E1     | 1/2  |
| S13     | F3-9      | Staple Trimmings Hopper Full Sensor      | F4     | 1/2  |
| S14     | F3-8      | Staple Trimmings Hopper Set Sensor       | F4     | 1/2  |
| S15     | F9-10     | Booklet Stapler Jogger HP Sensor (Front) | A5     | 1/2  |
| S16     | F9-11     | Booklet Stapler Bottom Fence HP Sensor   | A5     | 1/2  |
| S17     | F9-5      | Booklet Stapler Jogger HP Sensor (Rear)  | A5     | 1/2  |
| S18     | F9-3      | Fold Plate HP Sensor                     | A5     | 1/2  |
| S19     | F9-4      | Booklet Top Fence HP Sensor              | A5     | 1/2  |
| S20     | F9-2      | Booklet Stapler Clamp Roller HP Sensor   | B6     | 1/2  |
| S21     | F9-8      | Booklet Stapler Exit Sensor              | B6     | 1/2  |
| S22     | F9-1      | Fold Plate Cam HP Sensor                 | B5     | 1/2  |
| S23     | F9-9      | Fold Unit Entrance Sensor                | B5     | 1/2  |
| S24     | F3-11     | Shift Tray Full Sensor (1500)            | C5     | 1/2  |
| S25     | F3-10     | Shift Tray Full Sensor (2500/3000)       | C5     | 1/2  |
| S26     | F9-12     | Booklet Tray Full Sensor (Upper)         | C5     | 1/2  |
| S27     | F9-13     | Booklet Tray Full Sensor (Lower)         | C5     | 1/2  |
| S28     | F3-2      | Paper Height Sensor (TE)                 | C5     | 1/2  |
| S29     | F3-3      | Drag Roller HP Sensor                    | C5     | 1/2  |
| S30     | F3-6      | Shift Tray HP Sensor (Front)             | D4     | 1/2  |
| S31     | F3-5      | Shift Tray HP Sensor (Rear)              | D4     | 1/2  |
| S32     | F3-12     | Shift Tray Full Sensor (1000)            | E4     | 1/2  |
| S33     | F3-13     | Shift Tray Full Sensor (500)             | E4     | 1/2  |
| S34     | F2-7      | Proof Tray JG HP Sensor                  | F4     | 1/2  |
| S35     | F2-5      | Stapler JG HP Sensor                     | F4     | 1/2  |
| S36     | F2-11     | Pre-Stack Paper Sensor                   | F5     | 1/2  |
| S37     | F6-9      | Stack Feed-Out Belt HP Sensor            | B10    | 1/2  |
| S38     | F8-6      | Bottom Fence HP Sensor                   | B10    | 1/2  |
| S39     | F8-1      | Front Jogger Fence HP Sensor             | B9     | 1/2  |
| S40     | F8-3      | Rear Jogger Fence HP Sensor              | B9     | 1/2  |
| S41     | F6-6      | Top Fence HP Sensor                      | C10    | 1/2  |
| S42     | F6-8      | Stapling Tray Paper Sensor               | C10    | 1/2  |
| S43     | F7-5      | Stapling Tray Entrance Sensor            | C10    | 1/2  |
| S44     | F7-10     | Stack Plate HP Sensor (Front)            | D10    | 1/2  |
| S45     | F7-8      | Stack Plate HP Sensor (Center)           | D10    | 1/2  |
| S46     | F7-6      | Stack Plate HP Sensor (Rear)             | D10    | 1/2  |
| S47     | F6-5      | Stack Transport Unit HP Sensor           | D9     | 1/2  |
| S48     | F6-2      | Stack JG HP Sensor                       | E9     | 1/2  |
| S49     | F7-3      | Positioning Roller HP Sensor             | D9     | 1/2  |
| S50     | F8-10     | Corner Stapler HP Sensor                 | E10    | 1/2  |
| S51     | F8-11     | Stapler Rotation HP Sensor (Front)       | E10    | 1/2  |
| S52     | F8-12     | Stapler Rotation HP Sensor (Rear)        | F10    | 1/2  |
| S53     | F11-11    | Punchout Hopper Full Sensor              | B9     | 2/2  |
| S54     | F11-6     | Punch Unit HP Sensor                     | B8     | 2/2  |
| S55     | F11-8     | Punch Vertical Registration Sensor       | C8     | 2/2  |
| S56     | F11-11    | CIS                                      | C10    | 2/2  |
| S57     | F11-2     | Punch Blade HP Sensor                    | D9     | 2/2  |
| S58     | F11-4     | Punch RPS Sensor                         | D9     | 2/2  |