J-1302

CONTENTS

1-1-1 Specifications

Type	Enclosed
Tray capacity	100 sheets of 64 – 80 g/m^2 paper
Paper	Plain paper: 75 – 80 g/m^2 Special paper: colored paper
Paper sizes	A3 – A5R, folio/11" × 17" – 5$^1/_2$" × 8$^1/_2$"
Power source	Electrically connected to the copier
Dimensions	525 (W) × 445 (D) × 78 (H) mm 20$^{11}/_{16}$" (W) × 17$^1/_2$" (D) × 3$^1/_{16}$" (H)
Weight	Approximately 1.6 kg/3.52 lbs

1-1-2 Part names and their functions

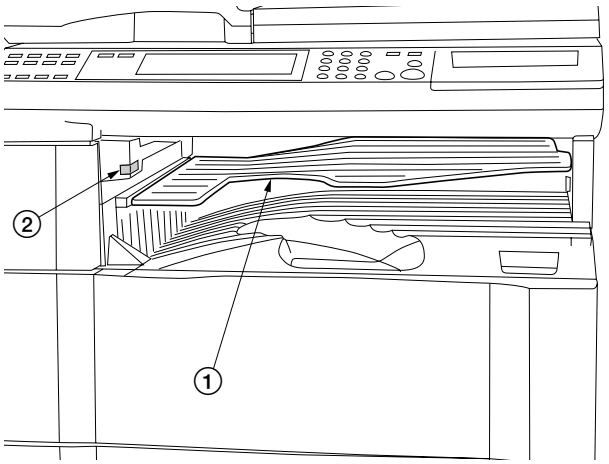

Figure 1-1-1

① Job separator tray
② LED

1-1-3 Machine cross section

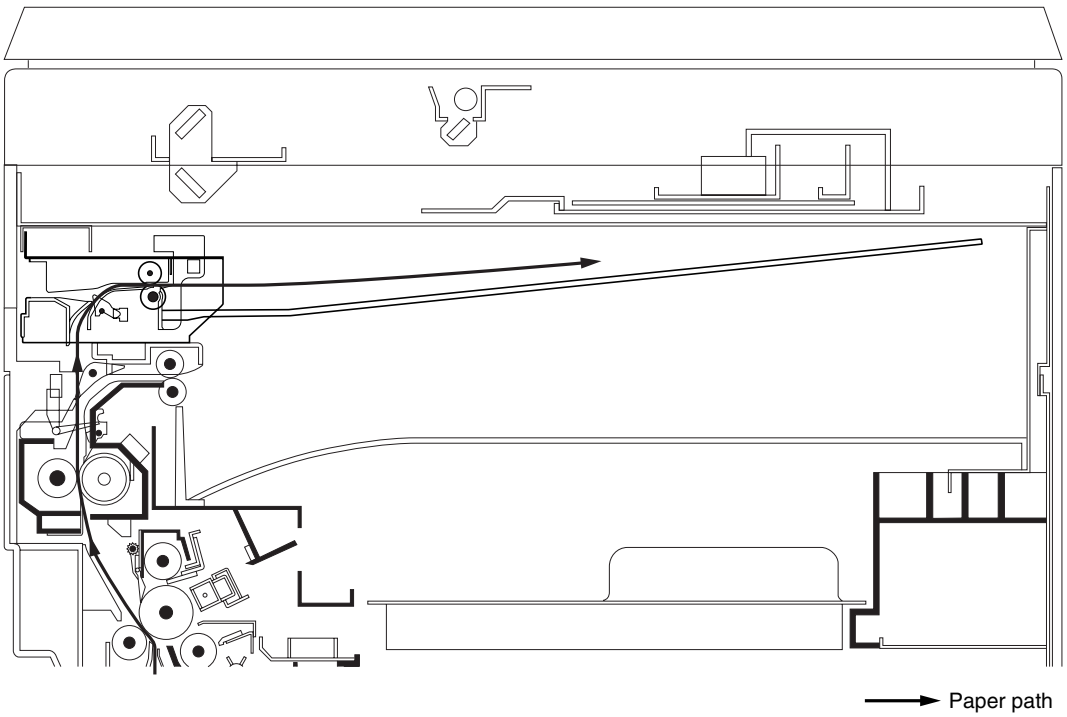

Figure 1-1-2

1-1-4 Drive system

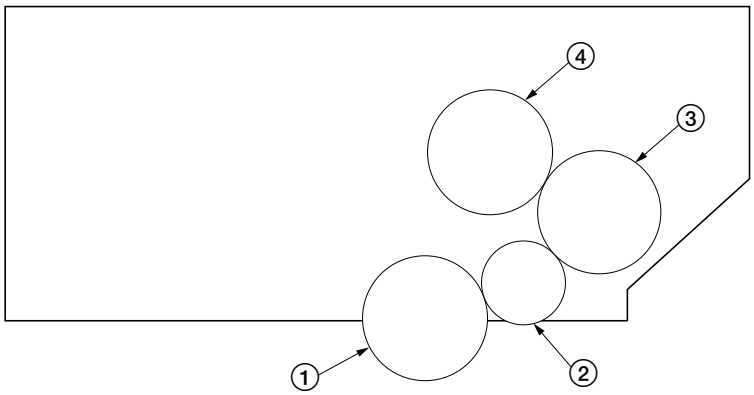

Figure 1-1-3

① Gear 20
② Gear 14
③ Gear 21
④ Eject roller gear

1-2-1 Unpacking

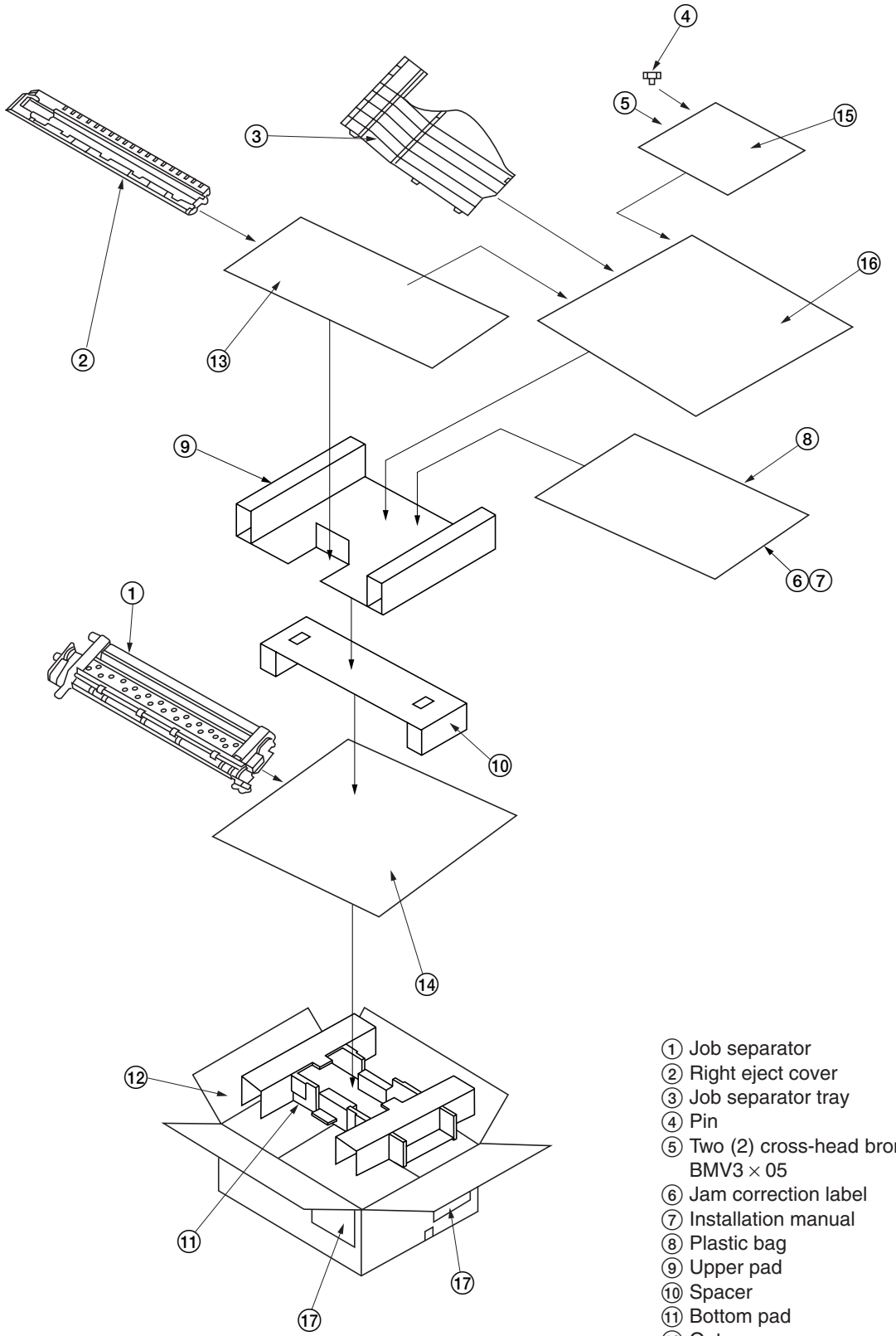

Figure 1-2-1 Unpacking

① Job separator
② Right eject cover
③ Job separator tray
④ Pin
⑤ Two (2) cross-head bronze binding screws BMV3 × 05
⑥ Jam correction label
⑦ Installation manual
⑧ Plastic bag
⑨ Upper pad
⑩ Spacer
⑪ Bottom pad
⑫ Outer case
⑬ Plastic bag
⑭ Plastic bag
⑮ Plastic bag
⑯ Plastic bag
⑰ Bar-code labels

1-3-1 Paper misfeed detection

(1) Paper misfeed indication

When paper jams, the machine immediately stops operation and the occurrence of a paper jam is indicated on the copier operation panel.

To remove the jammed paper, open the copier left cover.

To reset the paper misfeed detection, open and close the copier left cover to turn safety switch 2 off and on.

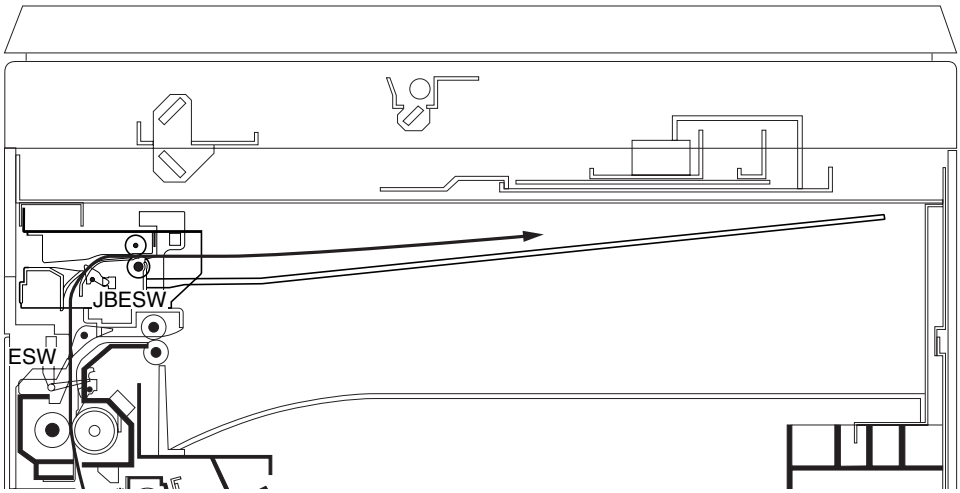

Figure 1-3-1 Paper misfeed detection

(2) Paper misfeed detection condition

• Jam in job separator eject section (jam code 51)
The job separator eject switch (JBESW) does not turn off within 1260 ms of the copier eject switch (ESW) turning off.

Timing chart 1-3-1

(3) Paper misfeeds

Problem	Causes/check procedures	Corrective measures
(1) Paper jams when the main switch is turned on.	A piece of paper torn from copy paper is caught around the job separator eject switch.	Remove any found.
	Defective job separator eject switch.	With 5 V DC present at CN16-6 on the copier main PCB, check if CN16-7 on the main PCB remains low when the job separator eject switch is turned on and off. If it does, replace the job separator eject switch.
(2) Paper jams in the job separator during copying (jam in job separator eject section).	Defective job separator eject switch.	With 5 V DC present at CN16-6 on the copier main PCB, check if CN16-7 on the main PCB remains high when the job separator eject switch is turned on and off. If it does, replace the job separator eject switch.
	Check if the job eject pulley or job eject roller is deformed.	Check visually and replace the pulley if deformed.

1-3-2 Electrical problems

Problem	Causes	Check procedures/corrective measures
(1) The feedshift solenoid does not operate.	Broken feedshift solenoid coil.	Check for continuity across the coil. If none, replace the feedshift solenoid.
	Poor contact of the feedshift solenoid connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, remedy or replace the cable.
	Defective main PCB.	Run maintenance item U033 and check if CN16-4 and CN16-5 on the copier main PCB go low. If not, replace the main PCB.

1-3-3 Mechanical problems

Problem	Causes/check procedures	Corrective measures
(1) Paper jams.	Check if the contact between the job eject pulley and job eject roller is correct.	Check and remedy.
(2) Abnormal noise is heard.	Check if the job eject pulley, job eject roller and gears operate smoothly.	Grease the bushings and gears.

2-1-1 Construction of each section

The job separator consists of the components shown in Figure 2-1-1. It switches the paper path to eject copied paper to the job separator tray.

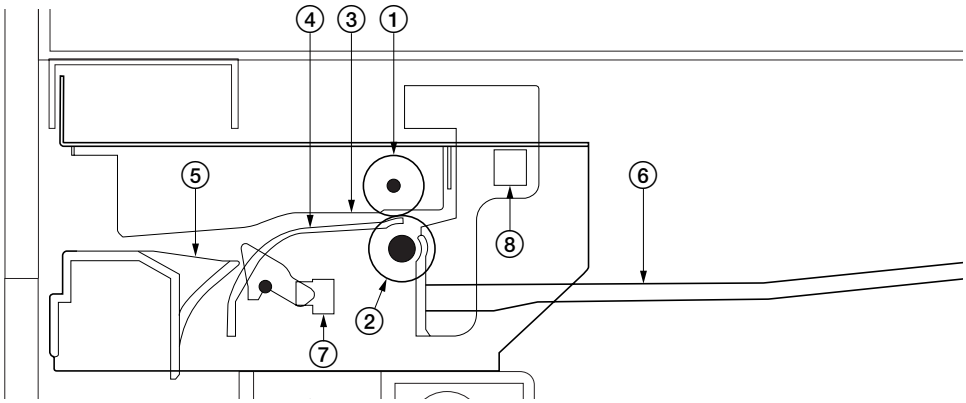

Figure 2-1-1 Job separator

① Job eject pulley
② Job eject roller
③ Upper guide
④ Lower right guide
⑤ Lower left guide
⑥ Job separator tray
⑦ Job separator eject switch (JBESW)
⑧ Ejected paper detection switch (EPDSW)

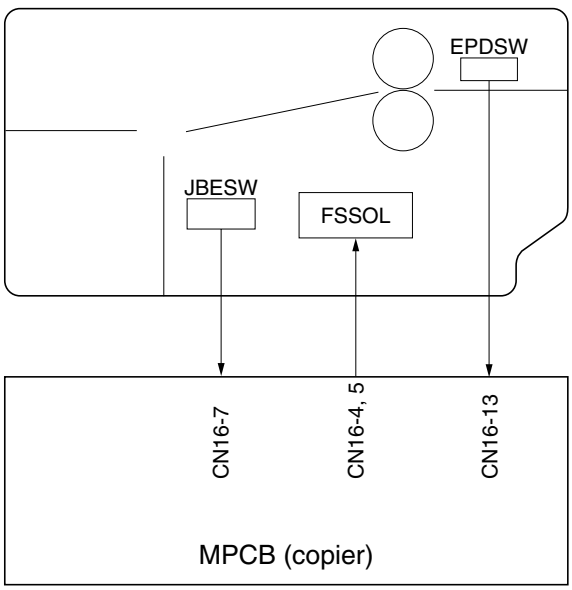

Figure 2-1-2 Job separator block diagram

(1) Switching the paper path

If the job separator is selected for the copy eject location, when a copy is made, the feedshift solenoid (FSSOL) turns on and the feedshift guide of the copier operates to switch the paper path to the job separator. The copied paper is conveyed to the job separator and then ejected to the job separator tray.

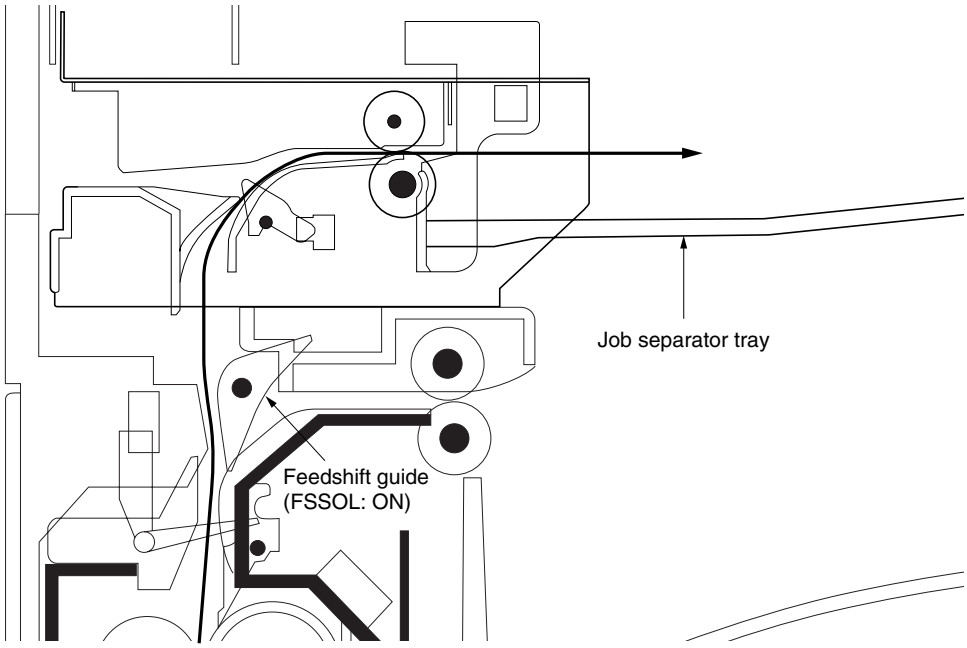

Figure 2-1-3

2-2-1 Electrical parts layout

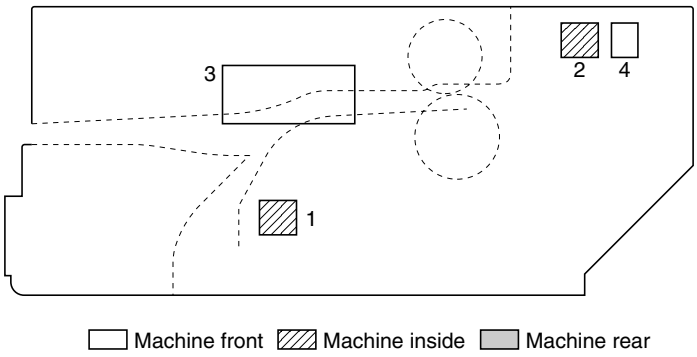

Figure 2-2-1

1. Job separator eject switch (JBESW) ..... Detects a paper jam in the job separator.
2. Ejected paper detection switch (EPDSW) ... Detects the presence of paper on the job separator tray.
3. Feedshift solenoid (FSSOL) ..... Operates the feedshift guide of the copier.
4. LED ..... Indicates that the ejected paper reached the limit.

Periodic maintenance procedures

Section	Maintenance part/location	Method	Maintenance cycle	Points and cautions	Page
Paper conveying section	Job eject roller	Clean	Every service	Clean with alcohol or a dry cloth.	
	Job separator tray	Clean	Every service	Spray air onto the black pad.	