DUPLEX UNIT
(Machine Code: G552)

1. REPLACEMENT AND ADJUSTMENT

⚠**CAUTION**
Turn off the main power switch and unplug the machine before attempting any of the procedures in this section.
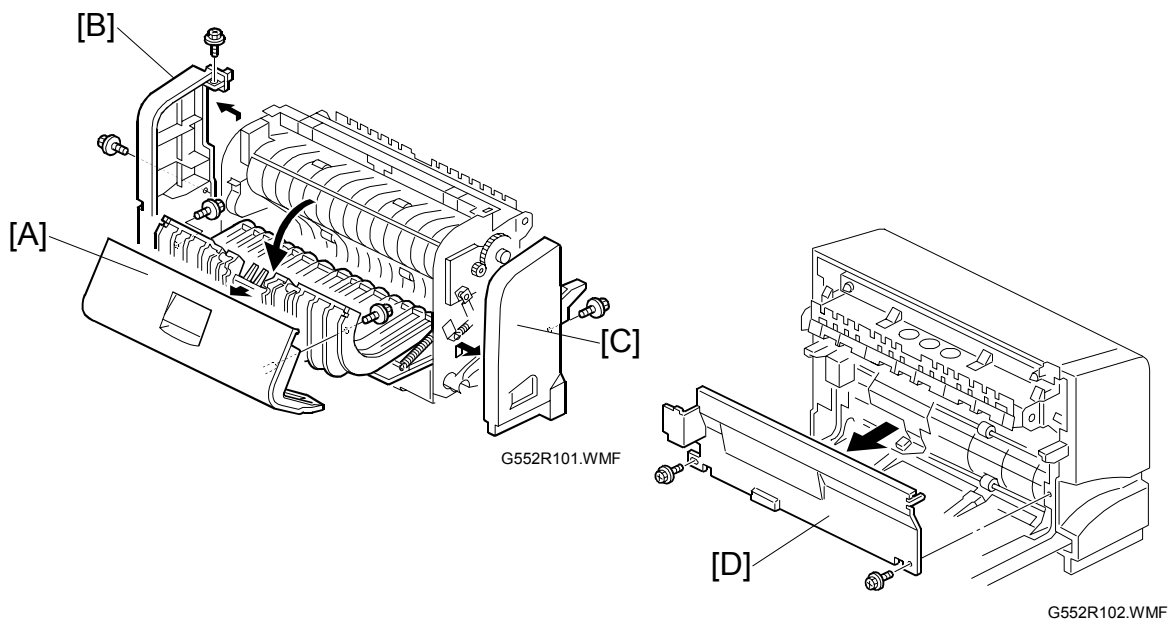
NOTE: This manual uses these symbols.
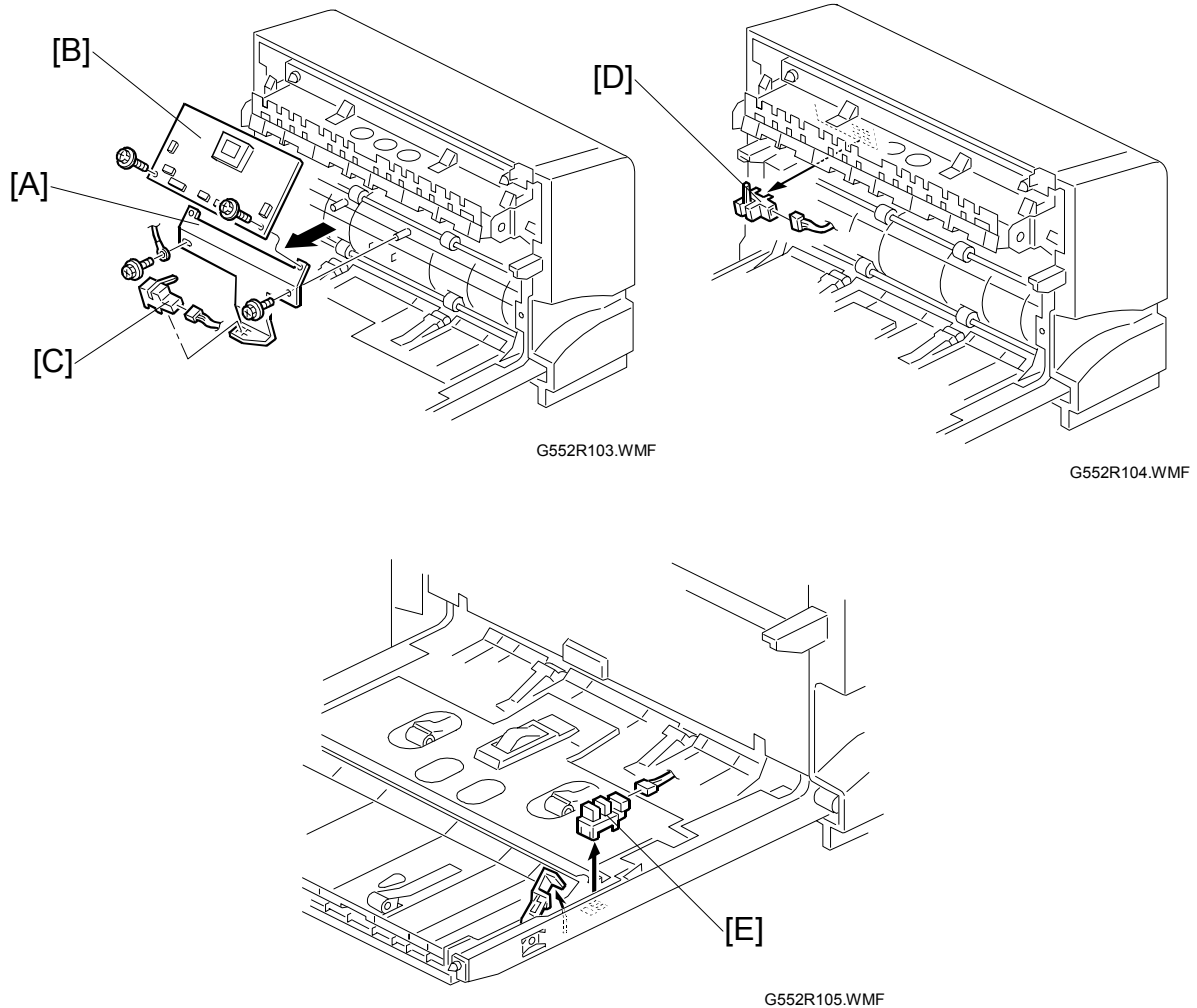
☛: See or Refer to   ⌁: screw   ▥: connector

1.1 EXTERIOR COVERS

- Remove the duplex unit from the main unit.
- Open the upper cover [A].

G552R101.WMF

G552R102.WMF

[A]: Upper cover (⌁ x 2)
[B]: Right cover (⌁ x 2)
[C]: Left cover (⌁ x 1)
[D]: Front cover (⌁ x 2)

Peripherals

1.2 DUPLEX BOARD AND SENSORS

G552R103.WMF

G552R104.WMF

G552R105.WMF
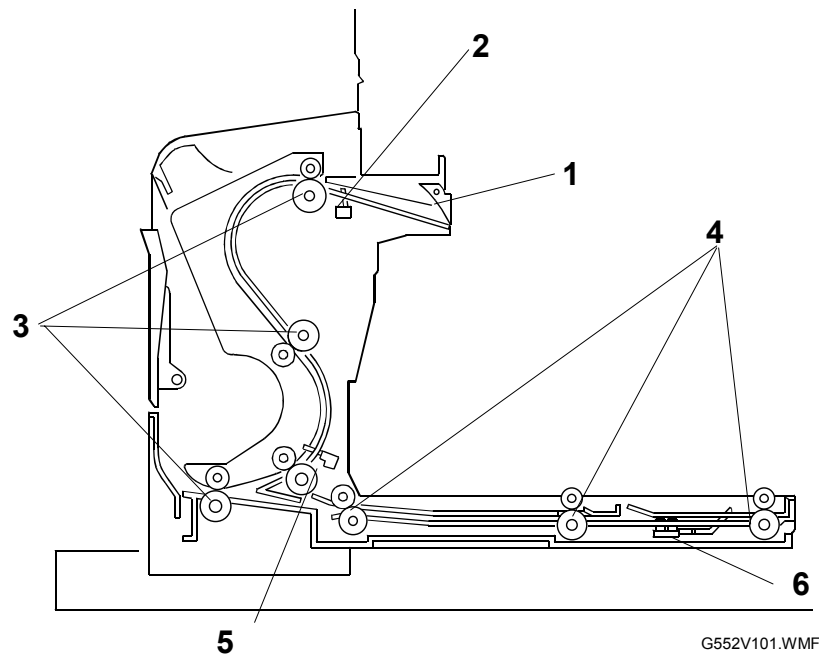
- Front cover (☛ Exterior Covers)

[A]: Duplex board bracket (🖉 x 2)
[B]: Duplex board (🖉 x 2, all connectors)
[C]: Inverter sensor (🗏 x 1)
[D]: Entrance sensor (🗏 x 1)
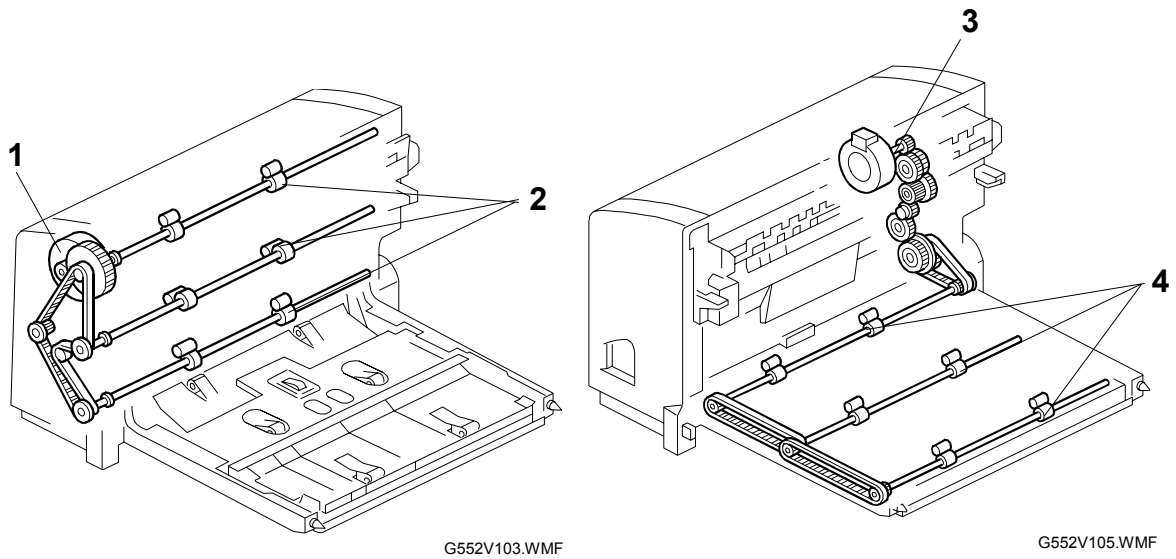[E]: Exit sensor (🗏 x 1)

2. DETAILED DESCRIPTION

2.1 OVERALL MACHINE INFORMATION
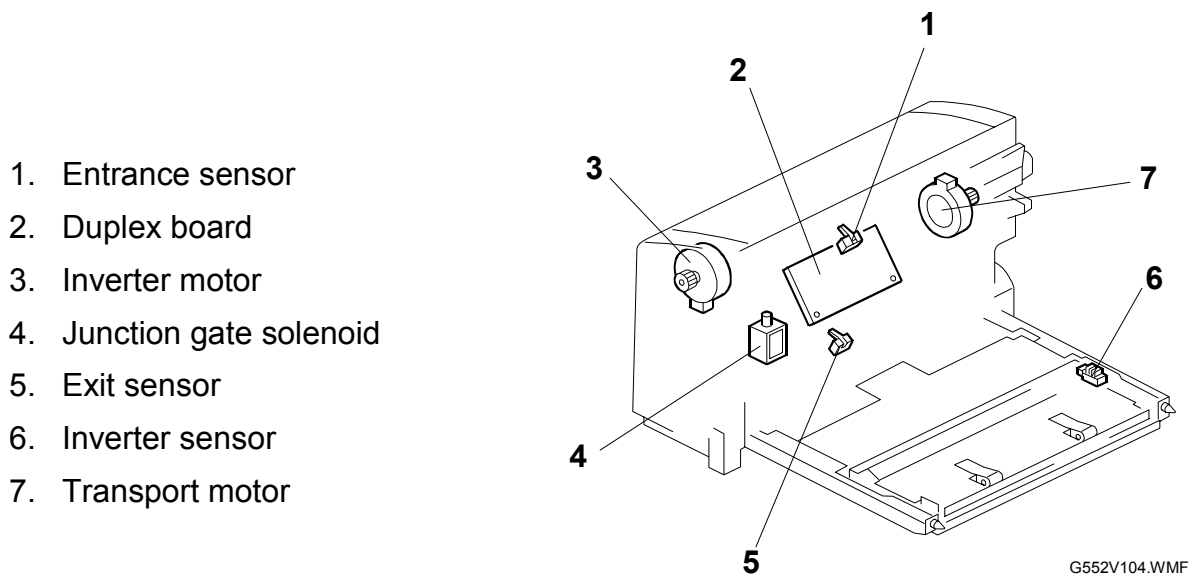
2.1.1 MECHANICAL COMPONENT LAYOUT

G552V101.WMF

1. Junction gate
2. Entrance sensor
3. Inverter rollers
4. Transport rollers
5. Transport sensor
6. Exit sensor

Peripherals

2.1.2 DRIVE LAYOUT

G552V103.WMF

G552V105.WMF

1. Inverter motor
2. Inverter rollers
3. Transport motor
4. Transport rollers

2.1.3 ELECTRICAL COMPONENT LAYOUT

1. Entrance sensor
2. Duplex board
3. Inverter motor
4. Junction gate solenoid
5. Exit sensor
6. Inverter sensor
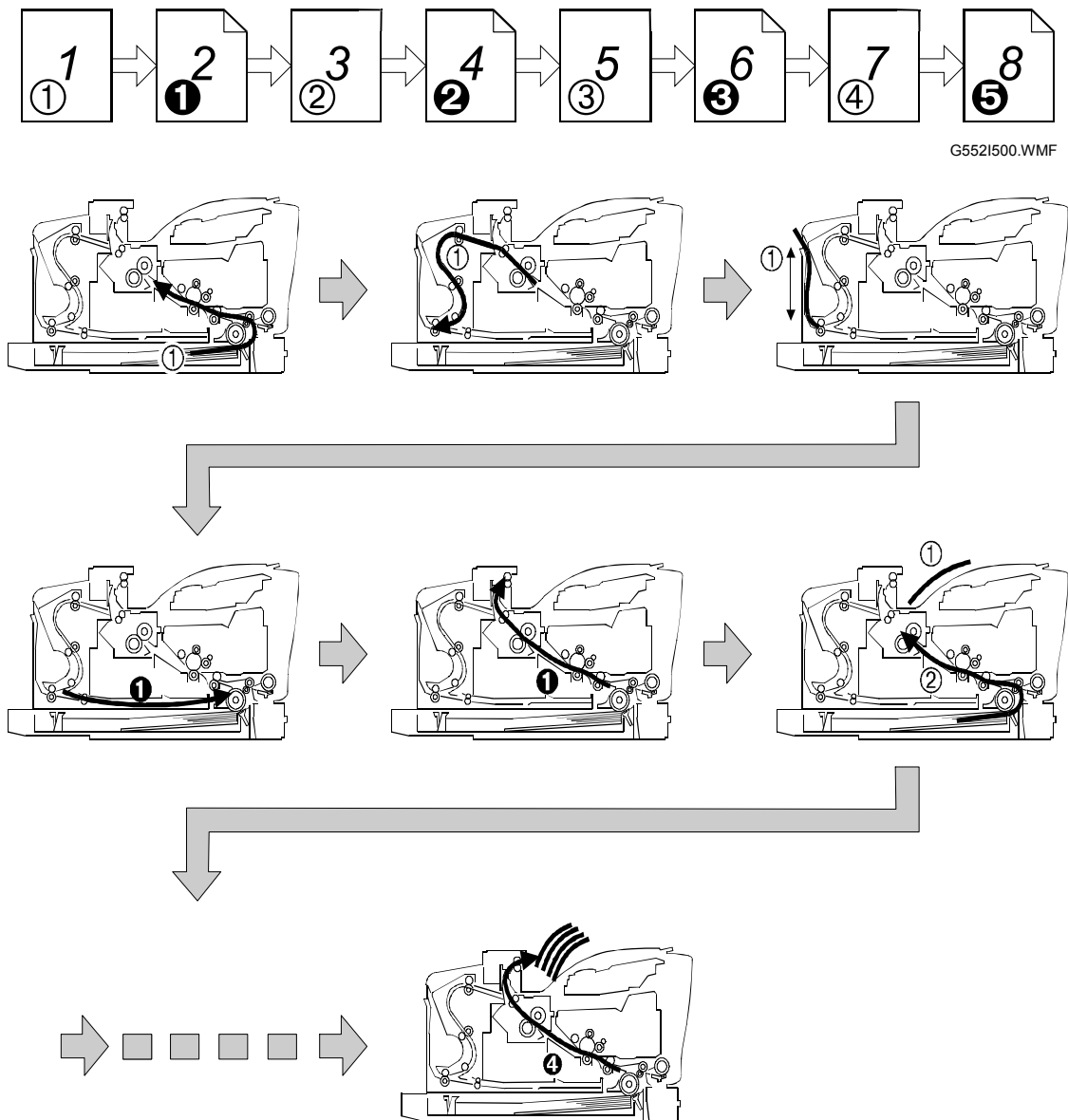7. Transport motor

G552V104.WMF

2.2 DETAILED SECTION DESCRIPTIONS

2.2.1 BASIC OPERATION

Longer than A4 LEF/LT LEF

- The duplex unit can store only one sheet of paper.

Example: 8 pages. The center number in the illustration shows the order of pages. The number with the circle in the illustration shows the order of sheets of print paper (if highlighted, this indicates the second side).
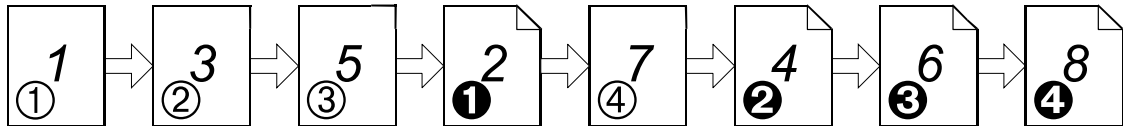

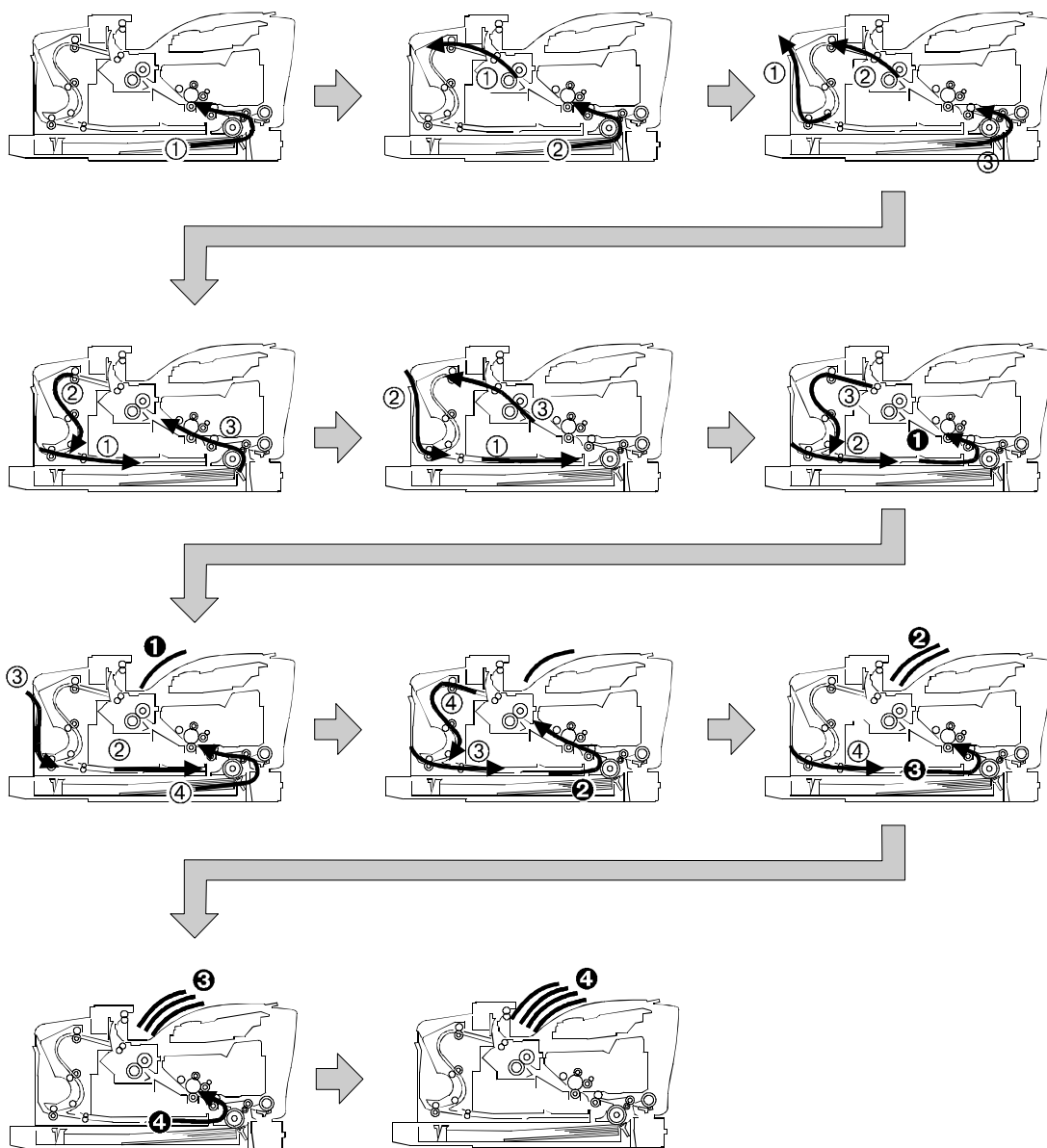G552I500.WMF

G552D106.WMF

Peripherals

Length up to A4 LEF/LT LEF

- The duplex unit can store three sheets of paper

Example: 8 pages. The center number in the illustration shows the order of pages. The number with the circle in the illustration shows the order of sheets of print paper (if highlighted, this indicates the second side).
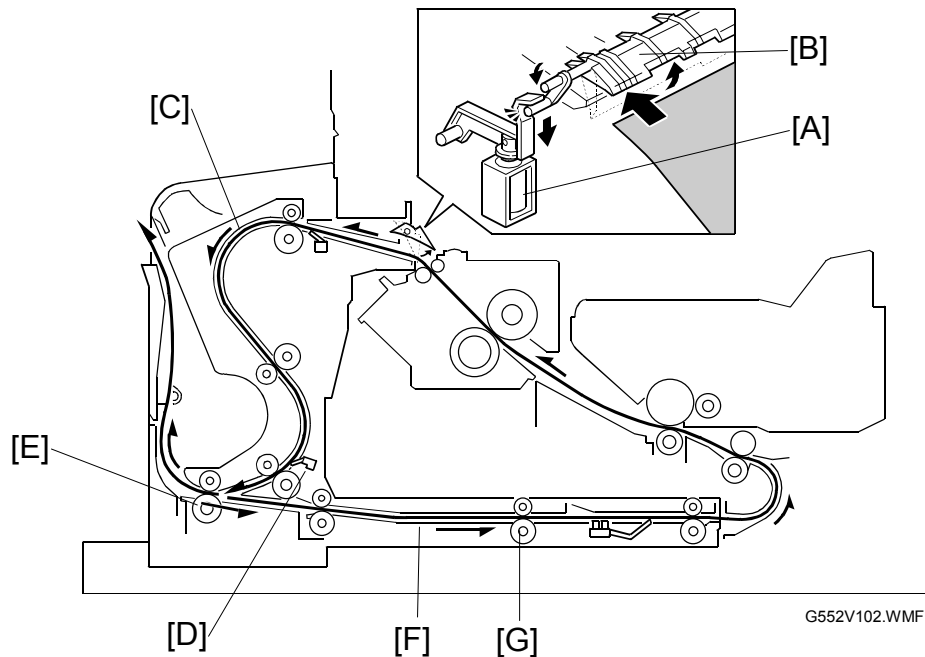

G552I501.WMF

G552D107.WMF

2.2.2 FEED IN AND EXIT MECHANISM

G552V102.WMF

Feeding paper into the duplex unit:

- The junction gate solenoid [A] turns on to open the junction gate [B].

- The paper fed from the main frame is sent to the inverter section [C].

Inversion and exit:

- After the trailing edge of the paper passes the inverter sensor [D], the inverter roller [E] changes its rotation direction and the paper goes to the transport area [F].

- The transport rollers [G] send the paper to the registration rollers in the main frame.

Peripherals