FOUR-BIN MAILBOX

(Machine Code: G553)

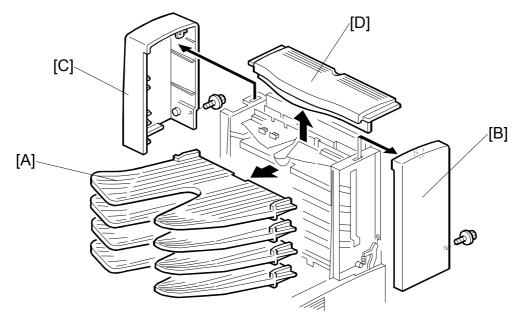
ACAUTION

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

1.1 EXTERIOR COVERS



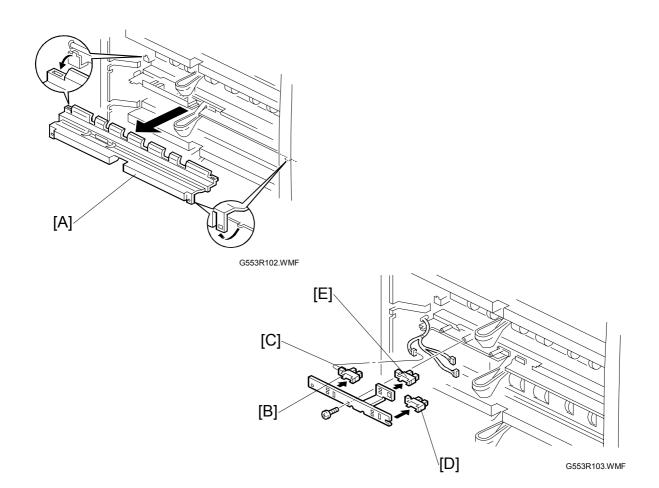
G553R101.WMF

[A]: Each tray (4 x 1 tray)

[B]: Right cover (x 1)

[C]: Left cover (x 1)
[D]: Upper cover

1.2 OVERFLOW AND VERTICAL TRANSPORT SENSORS

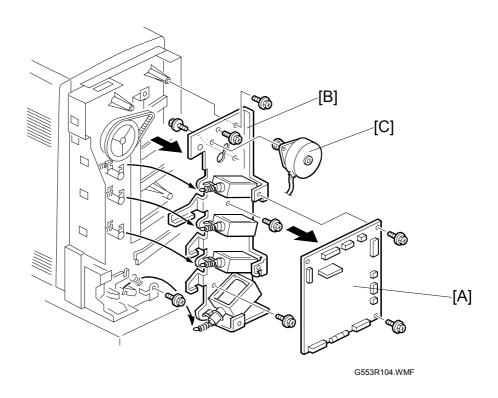


Each tray (Exterior Covers)

- [A]: Each tray cover (x 4)
- [B]: Sensor holder (x 1)
- [C]: Tray paper sensor (☐ x 1)
- [D]: Overflow sensor (x 1)
- [E]: Vertical transport sensor (□ x 1)

1 July, 2003 MAIN MOTOR

1.3 MAIN MOTOR



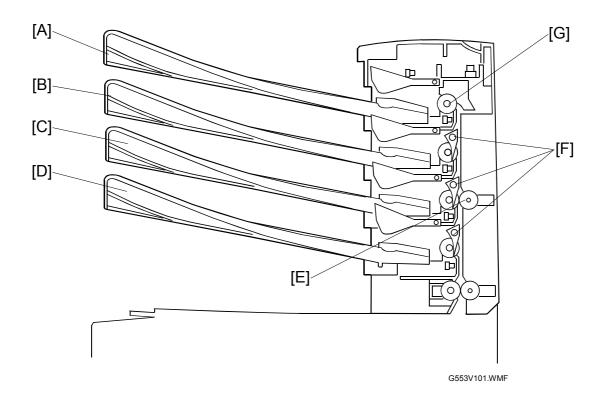
Left cover (**☞** Exterior Covers)

[A]: Mailbox board (இ x 2, □ x 11) [B]: Drive bracket (இ x 5) [C]: Main motor (இ x 2)

2. DETAILED DESCRIPTIONS

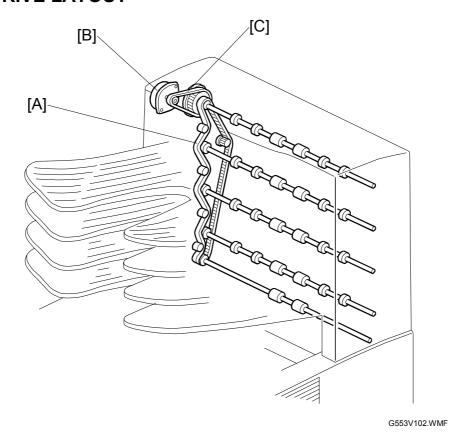
2.1 OVERALL MACHINE INFORMATION

2.1.1 MECHANICAL COMPONENT LAYOUT



- [A]: 4th tray
- [B]: 3rd tray
- [C]: 2nd tray
- [D]: 1st tray
- [E]: Vertical transport roller
- [F]: Turn gate
- [G]: Exit roller

2.1.2 DRIVE LAYOUT

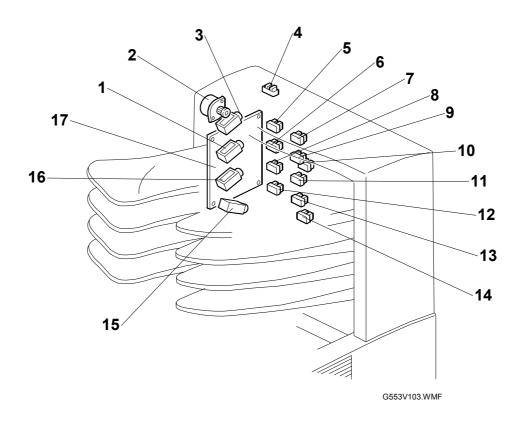


[A]: Timing belt [B]: Main motor

[C]: Main motor timing belt

eripherals

2.1.3 ELECTRICAL COMPONENT LAYOUT



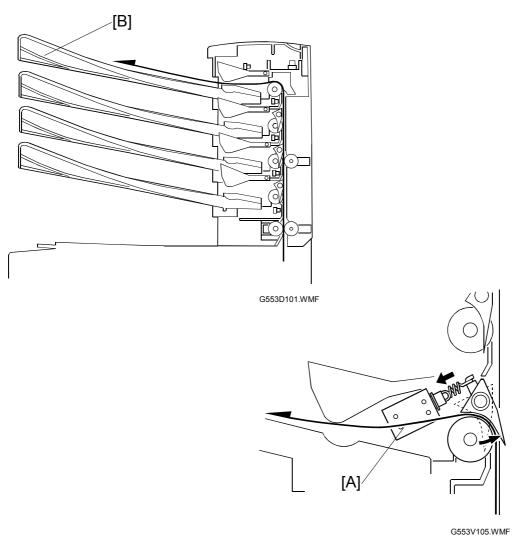
- 1. 2nd turn gate solenoid
- 2. Main motor
- 3. 3rd turn gate solenoid
- 4. Cover sensor
- 5. 4th tray paper sensor
- 6. 3rd tray paper sensor
- 7. 4th tray overflow sensor
- 8. 2nd tray paper sensor
- 9. 3rd tray overflow sensor

- 10. Upper vertical transport sensor
- 11. 2nd tray overflow sensor
- 12. 1st tray paper sensor
- 13. 1st tray overflow sensor
- 14. Lower vertical transport sensor
- 15. Junction gate solenoid
- 16. 1st turn gate solenoid
- 17. Mailbox board

Peripherals

2.2 DETAILED SECTION DESCRIPTIONS

2.2.1 BASIC OPERATION



- When the leading edge of the paper activates the exit sensor on the main unit, the mailbox main motor turns on.
- Each turn gate solenoid [A] opens and closes its turn gate, to direct the paper to the selected tray [B].
- When the top tray (4th tray) is selected, none of the solenoids are activated.

After the last sheet passes the upper or lower vertical transport sensor (depending on the selected tray), the main motor, junction gate solenoid, and the turn gate solenoid for the selected tray turn off.