

# **BRIDGE UNIT**

**(Machine Code: A688/B397)**



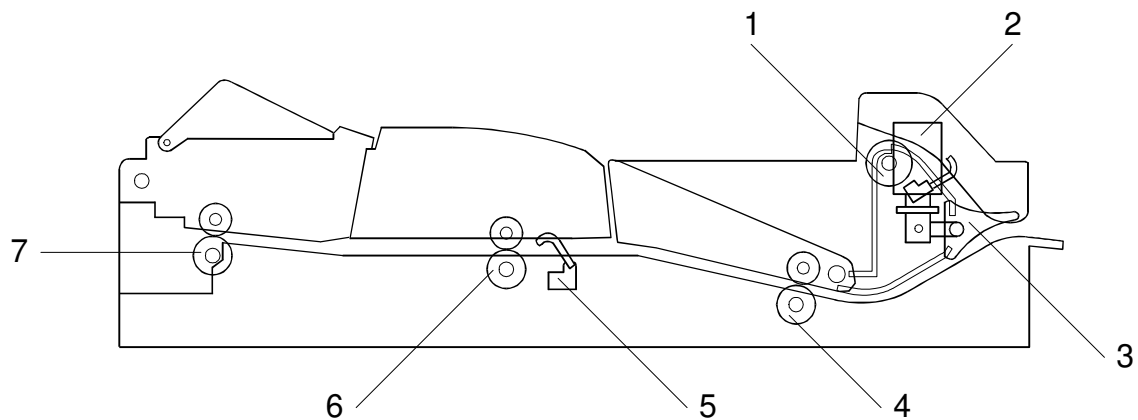
---

# 1. OVERALL MACHINE INFORMATION

## 1.1 SPECIFICATIONS

Paper Size:	Standard sizes
	A6 lengthwise to A3
	HLT to DLT
	Non-standard sizes
	Width: 100 to 305 mm
	Length: 148 to 432 mm
Paper Weight:	52 g/m <sup>2</sup> ~ 135 g/m <sup>2</sup> , 16 lb ~ 42 lb

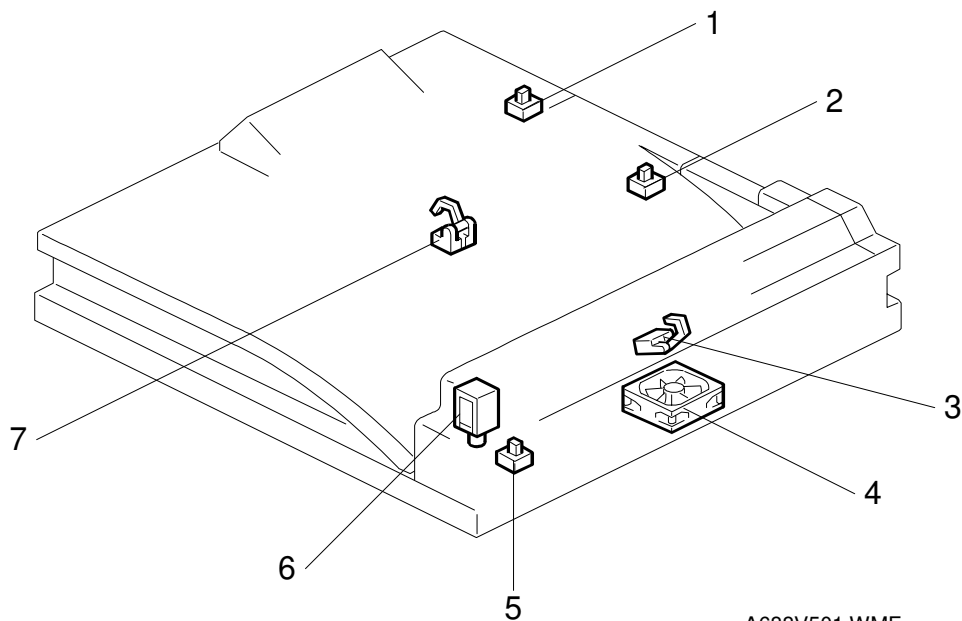
## 1.2 MECHANICAL COMPONENT LAYOUT



A688V500.WMF

- |                           |                         |
|---------------------------|-------------------------|
| 1. Upper Exit Roller      | 5. Relay Sensor         |
| 2. Junction Gate Solenoid | 6. 2nd Transport Roller |
| 3. Junction Gate          | 7. Left Exit Roller     |
| 4. 1st Transport Roller   |                         |

### 1.3 ELECTRICAL COMPONENT LAYOUT

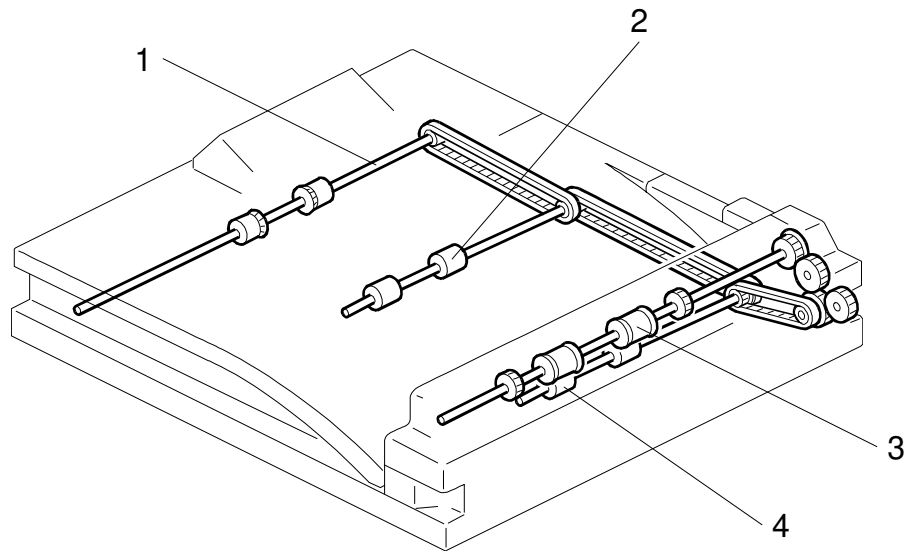


- |                       |                           |
|-----------------------|---------------------------|
| 1. Left Guide Switch  | 5. Tray Exit Unit Switch  |
| 2. Right Guide Switch | 6. Junction Gate Solenoid |
| 3. Tray Exit Sensor   | 7. Relay Sensor           |
| 4. Cooling Fan Motor  |                           |

### 1.4 ELECTRICAL COMPONENT DESCRIPTION

Symbol	Name	Function	Index No.
<b>Motors</b>			
M1	Cooling Fan	Cools the transport unit.	4
<b>Sensors</b>			
S1	Tray Exit	Checks for misfeeds.	3
S2	Relay	Checks for misfeeds.	7
<b>Switches</b>			
SW1	Tray Exit Unit	Detects when the tray exit unit is opened.	5
SW2	Right Guide	Detects when the right guide is opened.	2
SW3	Left Guide	Detects when the left guide is opened.	1
<b>Solenoids</b>			
SOL1	Junction Gate	Moves the junction gate to direct the paper to the upper or left tray.	6

## 1.5 DRIVE LAYOUT



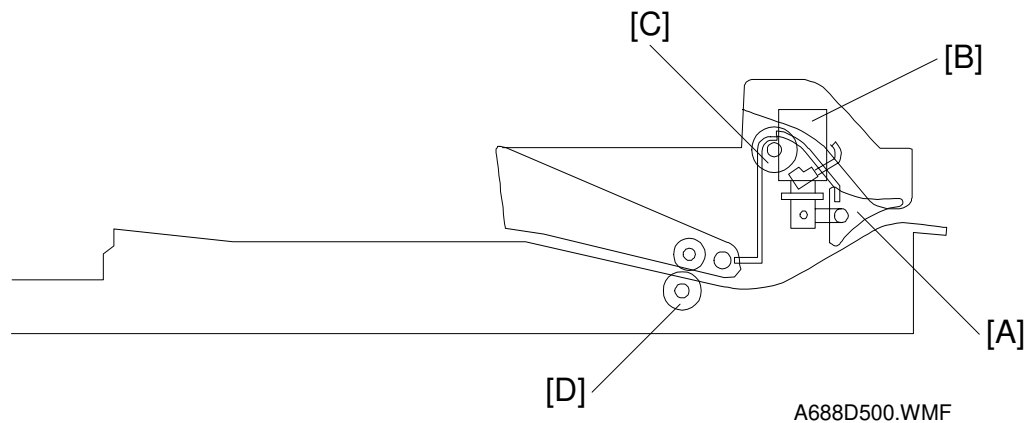
A688V502.WMF

- |                         |                         |
|-------------------------|-------------------------|
| 1. Left Exit Roller     | 3. Upper Exit Roller    |
| 2. 2nd Transport Roller | 4. 1st Transport Roller |

---

## 2. DETAILED DESCRIPTION

### 2.1 JUNCTION GATE MECHANISM



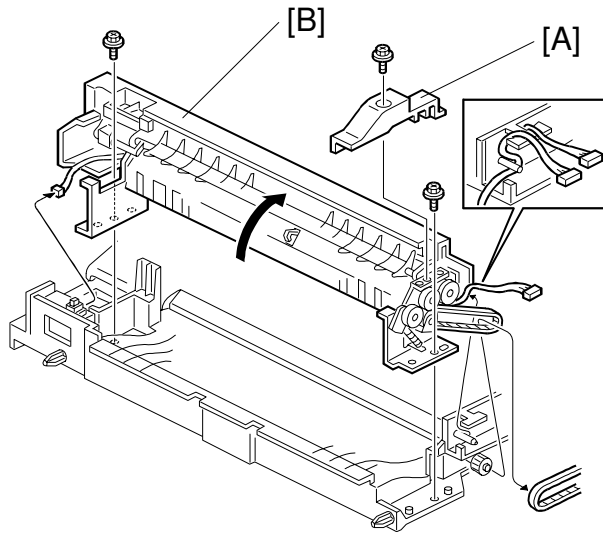
Depending on the selected mode, the copies are directed up or down by the junction gate [A], which is controlled by the junction gate solenoid [B].

When the upper tray is selected, the junction gate solenoid turns on and the paper is sent to the upper tray through the upper exit roller [C].

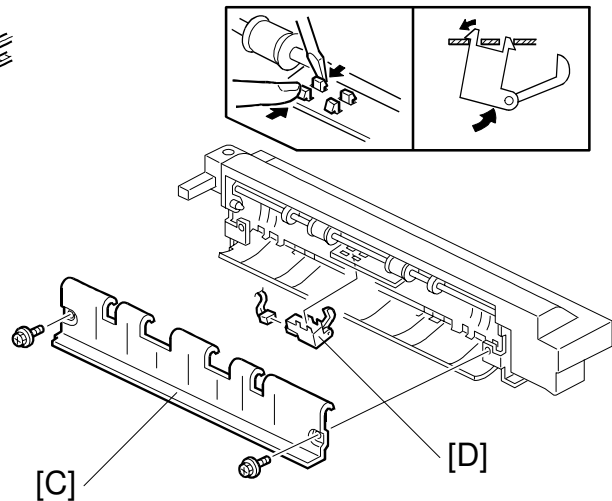
When the left tray or the finisher is selected, the junction gate stays off and the paper is sent to the left tray or the finisher through the transport rollers [D] and the left exit roller.

### 3. REPLACEMENT AND ADJUSTMENT

#### 3.1 EXIT SENSOR REPLACEMENT



A688R500.WMF



A688R501.WMF

1. Remove the whole unit from the copier.
2. Remove the rear upper cover [A] (1 screw).
3. Remove the upper cover unit [B] (2 screws, 2 connectors).
4. Remove the exit guide plate [C] (2 screws).
5. Replace the exit sensor [D] (1 connector).