

PAPER TRAY UNIT
(Machine Code: A832/833)

1. PRODUCT OVERVIEW

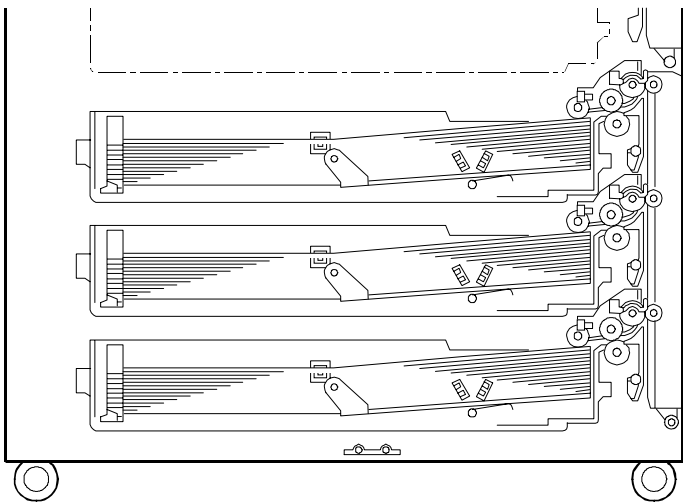
1.1 SPECIFICATIONS

Item	Specification	Remarks
Type	Front loading paper feed trays (A832: 2 trays, A833: 3 trays)	
Paper feed system	FRR system	
Paper size	A5 □ to A3 □ , HLT □ to DLT □	
Paper weight	64 to 105 g/m ² , 17 to 28 lbs.	
Tray Capacity	500 sheets for each tray (100 g/m ² , 26.6 lbs.) or Height up to 5.8 cm, 2.28"	
Anti-condensation heater	Option, powered directly by the main unit (EU/Asia: AC220 to 240V, 15W x 1, USA: AC120V, 15W x 1)	
Weight	A832: Approx. 32kg., 70.6 lbs. A833: Approx. 37kg., 81.6 lbs.	
Dimensions	A832/A833: 620x680x390mm, 24.5"x26.8"x15.4"	
Maximum Power Consumption	50W (The main frame supplies the power)	

1.2 COMPONENT DESCRIPTION

1.2.1 PAPER FEED MECHANISM

The paper feed units are the same for all trays (an FRR system is used).

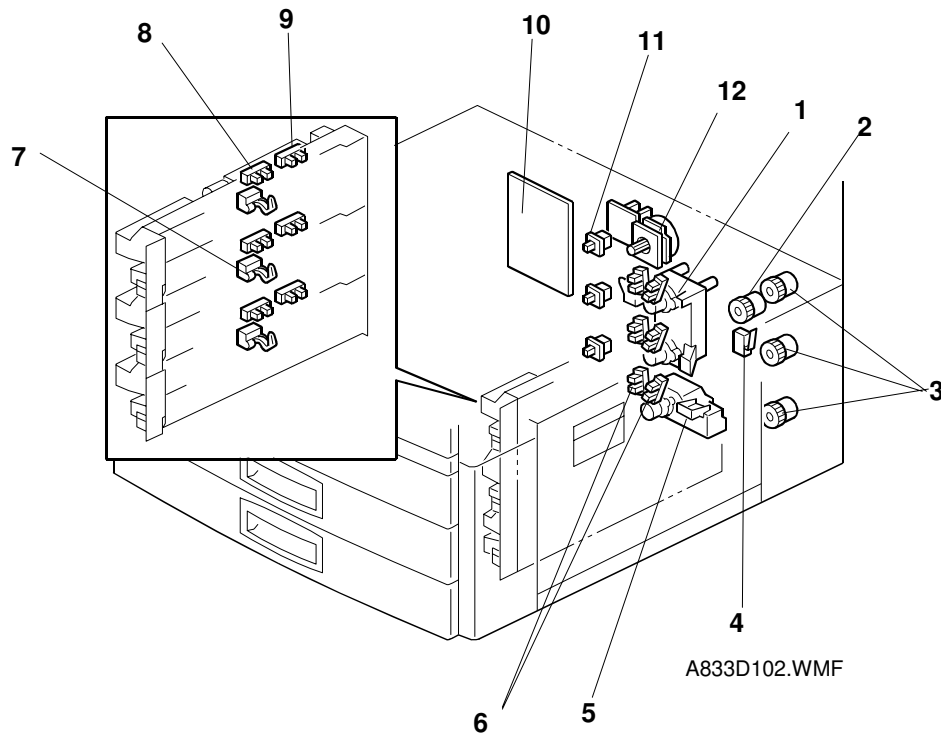


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Options

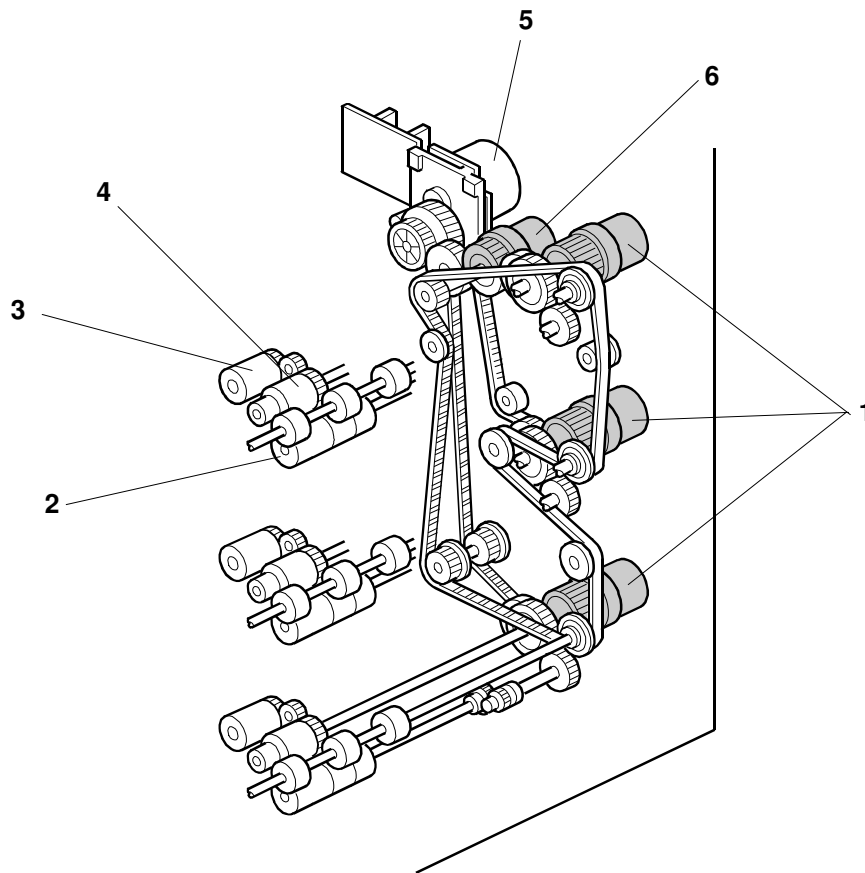
1.3 COMPONENT LAYOUTS

1.3.1 ELECTRICAL COMPONENT LAYOUT



- | | |
|---|------------------------------|
| 1. Bottom plate lift motor 1 | 7. Vertical transport switch |
| 2. Relay clutch | 8. Paper end sensor |
| 3. Paper feed clutches | 9. Upper limit sensor |
| 4. Transport sensor | 10. Main board |
| 5. Bottom plate lift motor 2 (three-tray type only) | 11. Tray set sensor |
| 6. Paper height sensors | 12. Bank paper feed motor |

1.3.2 DRIVE LAYOUT



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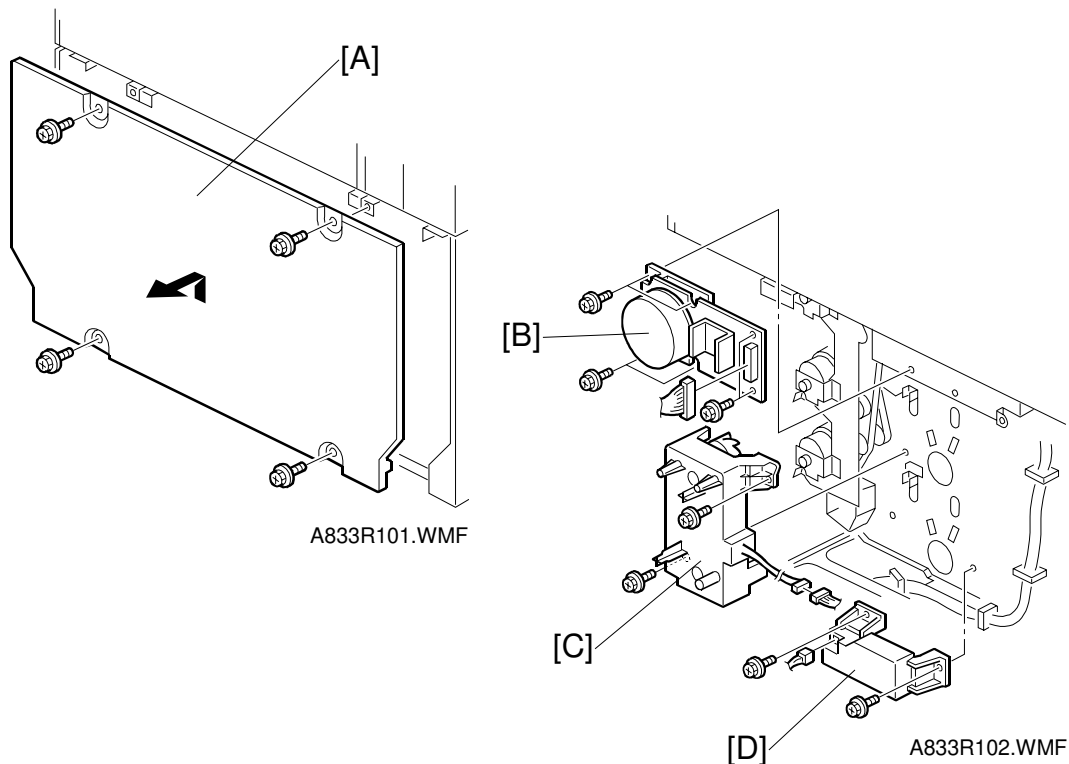
1. Paper feed clutches
2. Separation roller
3. Pick-up roller
4. Paper feed roller
5. Bank paper feed motor
6. Relay clutch

2. DISASSEMBLY AND ADJUSTMENT PROCEDURES

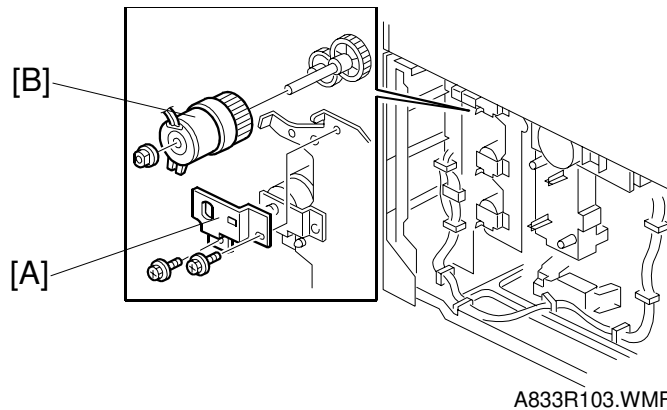
(1) Pick-up, paper feed, and separation rollers

Replace the pick-up, paper feed, and separation rollers in the same way as for the main unit (see "Replacement and Adjustment - Paper Feed and Registration").

(2) Bank paper feed and tray lift motors

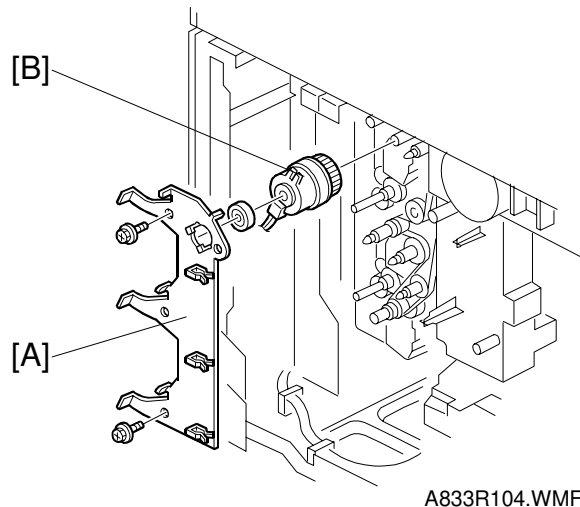


1. Remove the rear cover [A] (4 screws).
2. Remove the bank paper feed motor assembly [B] (6 screws and 1 connector).
3. Remove bank tray lift motor 1 [C] (2 screws and 1 connector).
4. **Three-tray type only:** Remove bank tray lift motor 2 [D] (2 screws and 1 connector).

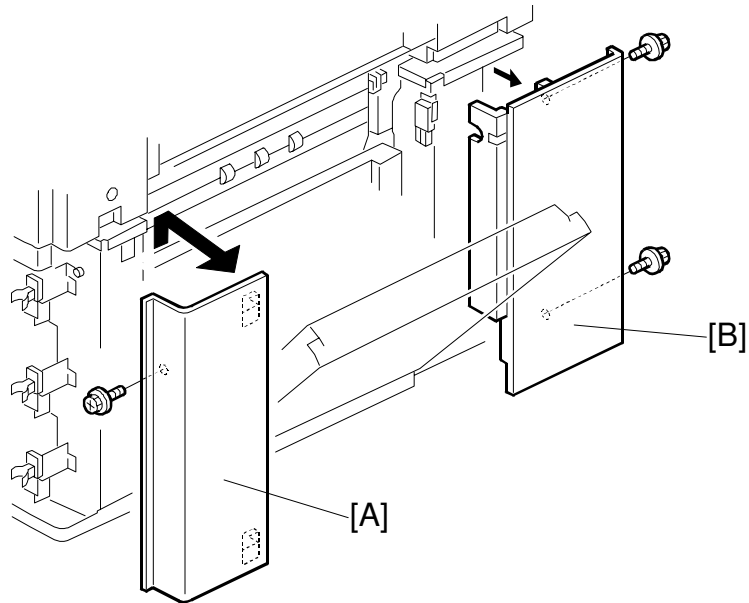
(3) Paper feed clutch

The procedure is the same for each tray.

1. Remove the rear cover (4 screws).
2. Remove the solenoid clutch brackets [A] (2 screws each).
3. Remove the paper feed clutch [B] (1 bearing and 1 connector).

(3) Relay clutch

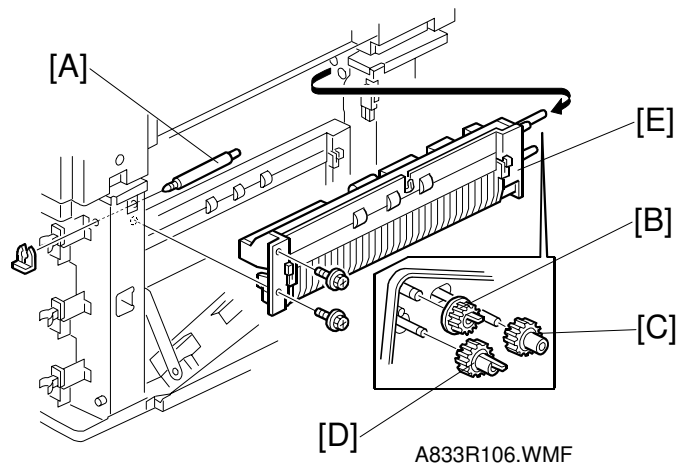
1. Remove all paper feed clutches.
2. Remove the solenoid clutch bracket [A] (2 screws).
3. Remove the relay clutch [B] (1 bearing and 1 connector).

(4) Paper feed unit

1. Remove the upper front cover (2 screws).
2. Remove all trays.
3. A832 only: Remove the lower front cover (2 screws).
4. Remove the front right cover [A] (1 screw) for the bank.
5. Remove the rear right cover [B] (2 screws) for the bank.
6. Remove the solenoid clutch and bracket.

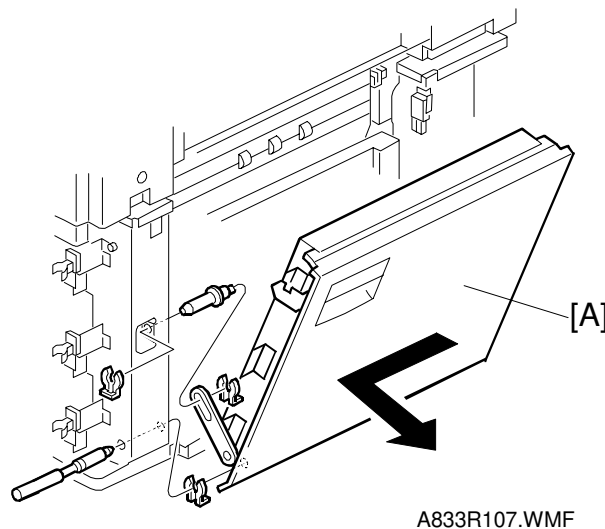
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First paper feed unit



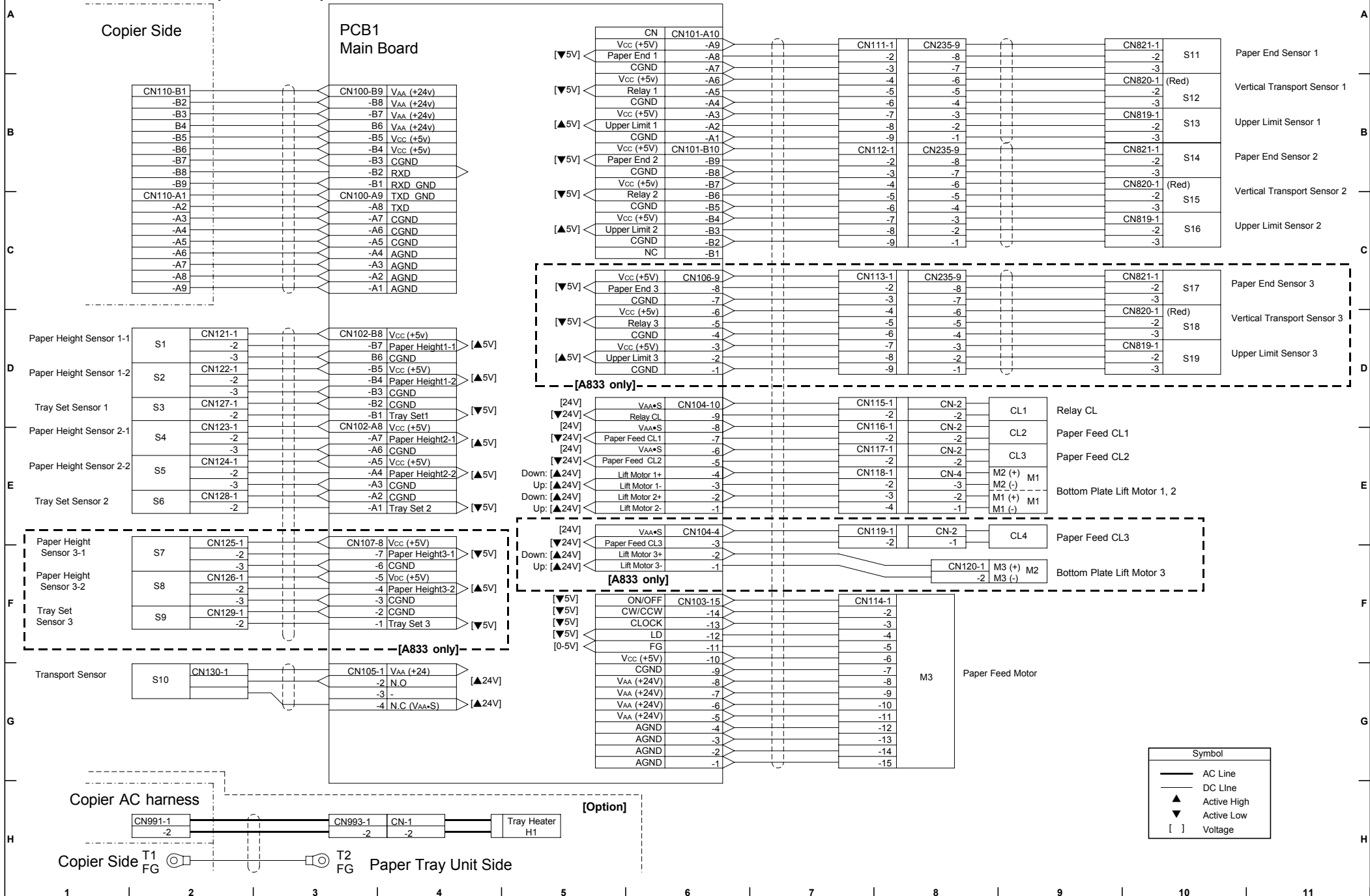
1. Remove the lock shaft [A] (1 snap-ring).
2. Remove the timing pulley [B], feed gear [C], and separator gear [D] from the rear.
3. Remove the first paper feed unit [E] (2 screws).

Second and third paper feed units

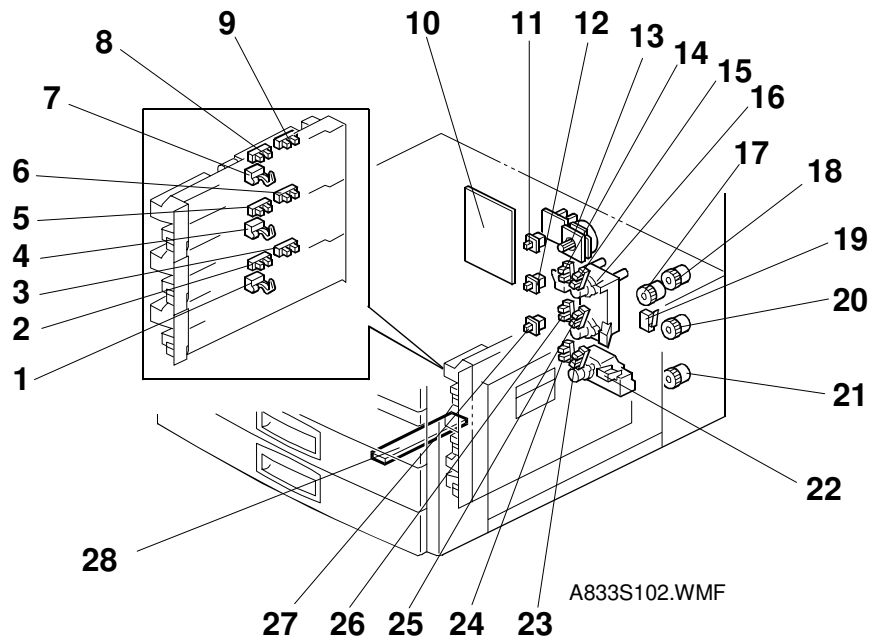


1. Remove the vertical transport guide plate [A] (2 shafts and 3 snap-rings).
2. Remove the gears in the same way as for the first paper feed unit, and then remove the paper feed unit.

PAPER TRAY UNIT (A833/A832) POINT TO POINT DIAGRAM



PAPER TRAY UNIT (A832/A833) ELECTRICAL COMPONENTS



Index No.	Description	Symbol	P-to-P	Note
1	Vertical Transport Sensor 3	S18	C10	A833 only
2	Paper End Sensor 3	S17	C10	A833 only
3	Upper Limit Sensor 3	S19	D10	A833 only
4	Vertical Transport Sensor 2	S15	B10	
5	Paper End Sensor 2	S14	B10	
6	Upper Limit Sensor 2	S16	C10	
7	Vertical Transport Sensor 1	S12	B10	
8	Paper End Sensor 1	S11	A10	
9	Upper Limit Sensor 1	S13	B10	
10	Main Board	PCB1	A3	
11	Tray Set Sensor 1	S3	D2	
12	Tray Set Sensor 2	S6	E2	
13	Paper Feed Motor	M3	G8	
14	Paper Height Sensor 1-2	S2	D2	
15	Paper Height Sensor 1-1	S1	D2	
16	Bottom Plate Lift Motor 1,2	M1	E9	
17	Relay Clutch	CL1	D9	
18	Paper Feed Clutch 1	CL2	E9	
19	Transport Sensor	S10	G2	
20	Paper Feed Clutch 2	CL3	E9	
21	Paper Feed Clutch 3	CL4	E9	A833 only
22	Bottom Plate Lift Motor 3	M2	F9	A833 only
23	Paper Height Sensor 3-1	S7	F2	A833 only
24	Paper Height Sensor 3-2	S8	F2	A833 only
25	Paper Height Sensor 2-1	S4	E2	
26	Paper Height Sensor 2-2	S5	E2	
27	Tray Set Sensor 3	S9	F2	A833 only
28	Tray Heater	H1	H5	Option