

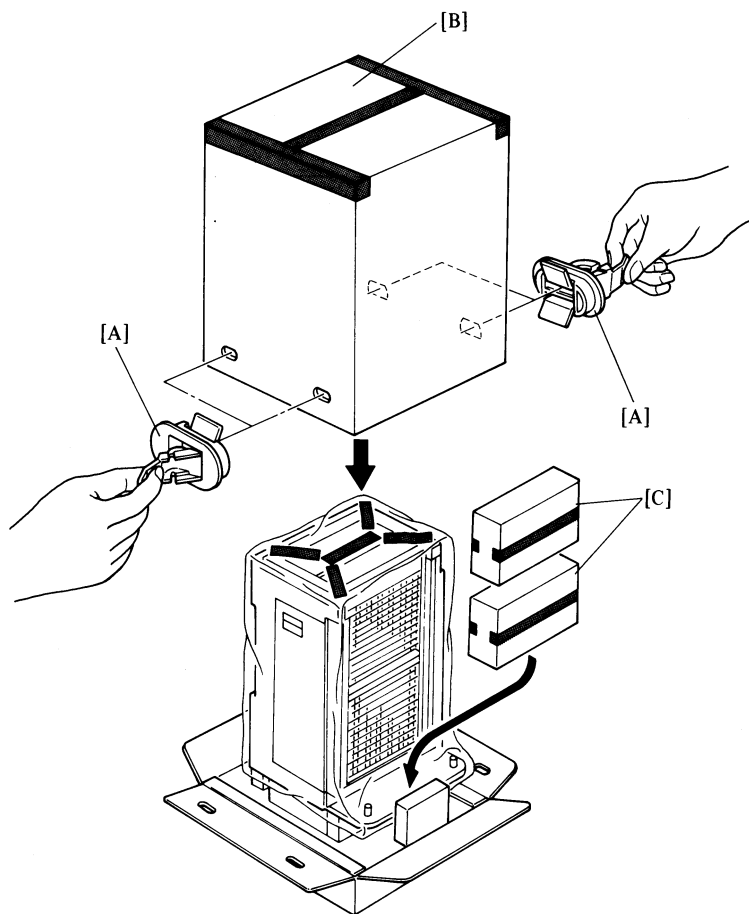
SECTION 6

CS2060

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UNPACKING



1. Remove the four joiners [A] and the upper carton [B].
2. Take out the two accessory boxes [C].
3. Remove the sorter from the vinyl bag.

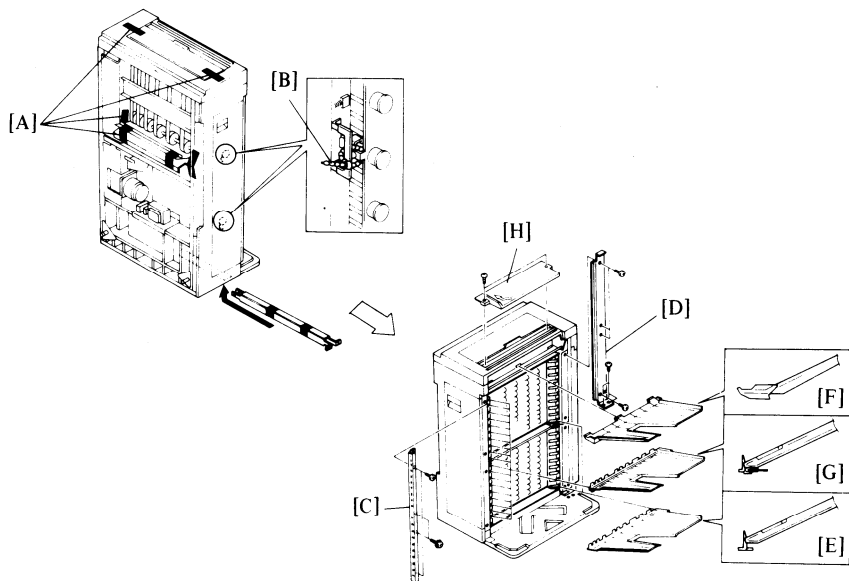
INSTALLATION

1. Accessory Check

Check the quantity and condition of the accessories in the box according to the New Equipment Condition Report (N.E.C.R.) or the following list:

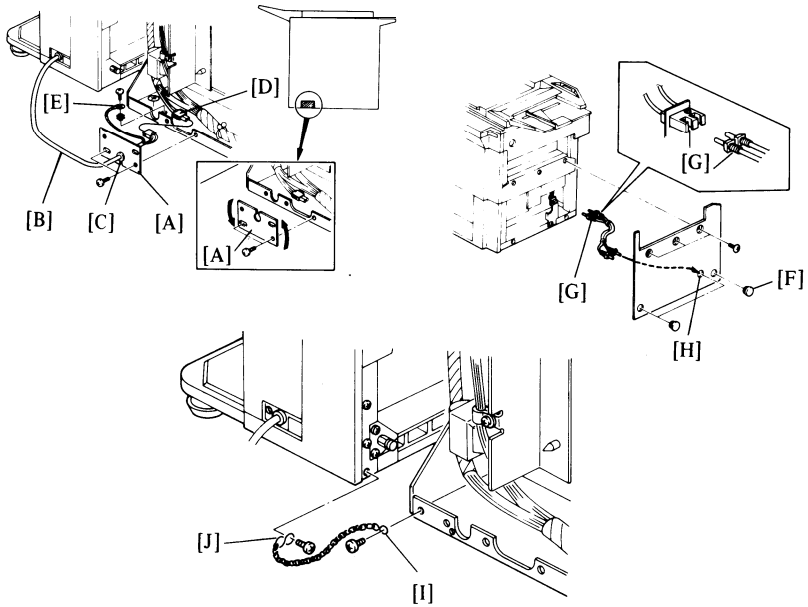
DESCRIPTION	Q'TY
1) Proof Tray	1
2) Tray Without Antistatic Brush	2
3) Tray With Antistatic Brush	18
4) Manual Feed Tray	1
5) Screw (M4 X 8mm)	2
6) Fixing Bracket	1
7) Screw (M4 X 8mm)	4
8) Ground Wire Mark Decal	1
9) Fiber Optic Cable	2
10) Leveling Shoe	2
11) Ground Screw	1
12) Tooth Washer	1
13) Chain	1
14) Screw (M4 X 6mm)	1
15) Operating Instructions	1
16) Installation Procedure	1
17) N.E.C.R.	1
18) Envelope for N.E.C.R. (U.S.A.)	1
19) Multiple Language Decals (Europe)	1

2. Installation Procedure

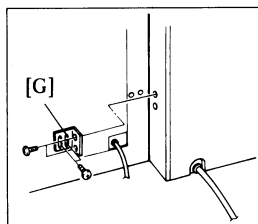
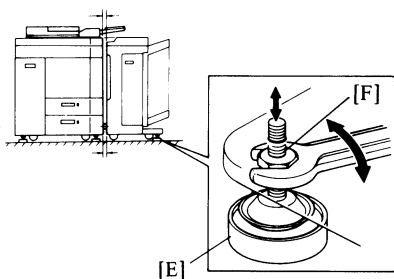
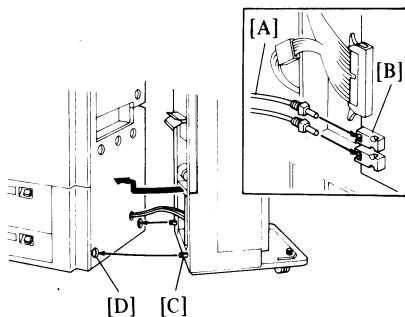


CAUTION: Turn off the copier main switch.

1. Remove all external strips of tape [A], styrofoam block and cut the two cable ties [B] securing the roller panel.
2. Remove the bin number bracket [C] (2 screws and 2 ground screws) and the distribution unit support bracket [D] (7 screws).
3. Install the bins as follows:
 - a) Set the two bin trays [E] that do not have antistatic brushes at the 10th and 20th bin positions.
 - b) Set the proof tray [F] in the top position.
 - c) Set the bin trays with antistatic brushes [G] in the other positions.
4. Reinstall the bin number bracket.
5. Reinstall the distribution unit support bracket.
6. Install the manual feed table [H] (2 screws).



7. Remove the lower rear cover (2 screws) from the copier.
8. Remove the cover plate [A] from the copier (2 screws).
9. Pass the sorter power cord [B] through the cover plate with the cord stopper [C]. Then, install the cover plate inverted (2 screws).
10. Connect the sorter power cord to the plug [D] of the copier.
11. Secure the ground wire [E] the copier base (1 ground screw and 1 tooth washer). Stick the ground decal beside the ground screw.
12. Remove the three plastic caps [F] from the lower right cover and pass the fiber optics cables [G] through the upper opening [H]. Then connect the fiber optic cable to the relaying terminals. (Connect the brown fiber optic cable to the terminal marked with a brown spot.)
13. Fix one end of the chain [I] to the copier (1 screw). Fix the other end of the chain [J] to the sorter using the screw securing the sorter side plate and base plate.
14. Reinstall the copier cover.



15. Connect the fiber optic cables [A] to the cable terminals [B] on the sorter main board.

CAUTION: When docking the sorter to the copier, open the copier to prevent damage to the sorter entrance guide plate.

16. Dock the sorter with the copier. Make sure the docking pins [C] are seated firmly in the notches [D] in the copier frame. Close the copier top unit.
17. Insert the leveling shoes [E] under the sorter feet [F]; then, level the sorter and align it with the copier by screwing down the feet.
18. Install the fixing bracket [G] (4 screws: M4 x 6mm).
19. Check the sorter operation.
20. Complete the N.E.C.R.

SERVICE TABLES

1. Sorter Main Board**- Test Point Table -**

Number	Function
TP101	+24V
TP102	+5V
TP103	GND

- LED Table -

Number	Function
LED101	Exit Sensor ON
LED102	Upper Entry Jam Sensor ON
LED103	Upper Bin Copy Sensor ON
LED104	Closed Front Door
LED105	Closed Manual Feed Cover
LED106	Timing Sensor ON
LED107	Lower Entry Jam Sensor ON
LED108	Lower Bin Copy Sensor ON
LED109	Not Used
LED110	Not Used
LED111	Not Used
LED112	Manual Feed Sensor ON
LED113	Not Used
LED114	+5V
LED115	+24V

- DIP SW. Table -

DPS101 1 2 3 4 5 6	FUNCTION
1 0 0 0 0 0	2nd Sorter is installed
0 0 0 0 1 0	Free Run
0 0 0 0 0 1	Free Run Using Paper

- Fuse Table -

Number	Protection
FU101	Input Voltage (8 Vac)
FU102	Input Voltage (29 Vac)

2. Sorter Interface Board**- Test Point Table -**

Number	Specification
TP201	+24V
TP202	GND

- VR Table -

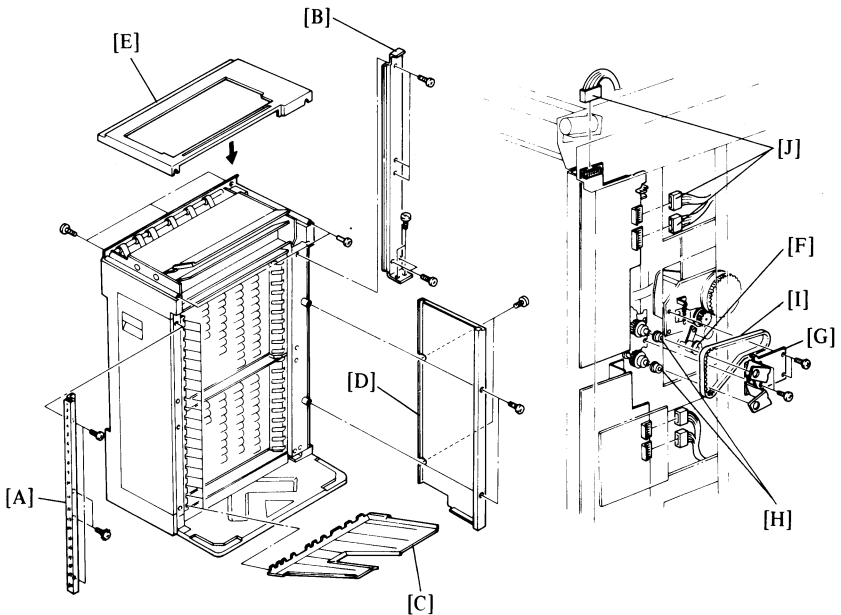
Number	Function
VR201	Upper Entry Jam Sensor Adjustment
VR202	Lower Entry Jam Sensor Adjustment
VR203	Upper Bin Copy Sensor Adjustment
VR204	Lower Bin Copy Sensor Adjustment

- DIP SW Table -

DPS201		FUNCTION
-1	-2	
1	0	Lower Entry Jam and Bin Copy Sensor Adjustment
0	1	Upper Entry Jam and Bin Copy Sensor Adjustment

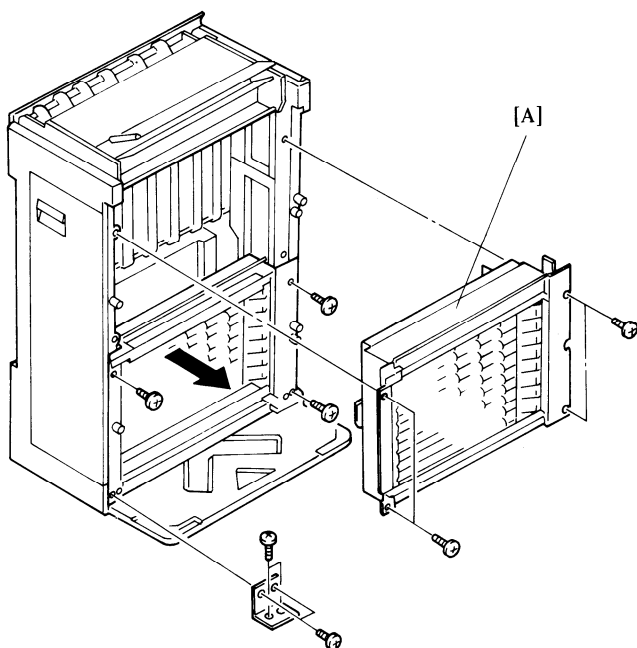
REPLACEMENT AND ADJUSTMENT

1. Distribution Unit Removal



1. Turn off the copier main switch and undock the sorter from the copier.
2. Remove the bin number bracket [A] (2 screws and 2 ground screws) and the distribution unit support bracket [B] (7 screws).
3. Remove all the bins [C].
4. Remove the rear cover [D] (4 screws) and the top cover [E] (5 screws).
5. Release the belt tensioner [F] and remove the following parts:
 - a) Link bracket [G] (4 screws)
 - b) Bearings [H]
 - c) Timing belt 166XL [I]
6. Disconnect the three connectors [J] from the upper distribution unit.

NOTE: When disconnecting, apply pressure to the connectors, not the wires.

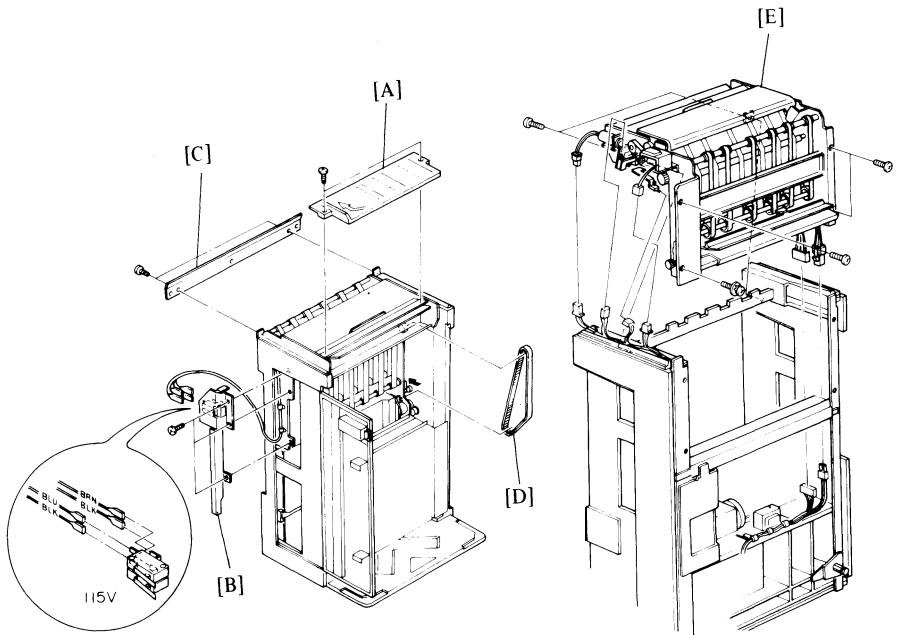


7. Remove the upper distribution unit [A] (4 screws).
8. Remove the lower distribution unit (7 screws and 2 connectors).
9. Check/adjust the transport roller drive belt tension.

7.0 ± 1.0 mm deflection at 200 g (upper)

6.0 ± 1.0 mm deflection at 200 g (lower)

2. Transport Unit Removal



1. Remove the upper distribution unit.
2. Remove the following parts:
 - a) Manual feed table [A] (2 screws)
 - b) Front door safety switch bracket [B] (3 screws and 4 connectors)
 - c) Top cover support bracket [C] (2 screws)
 - d) Timing belt 320XL [D]

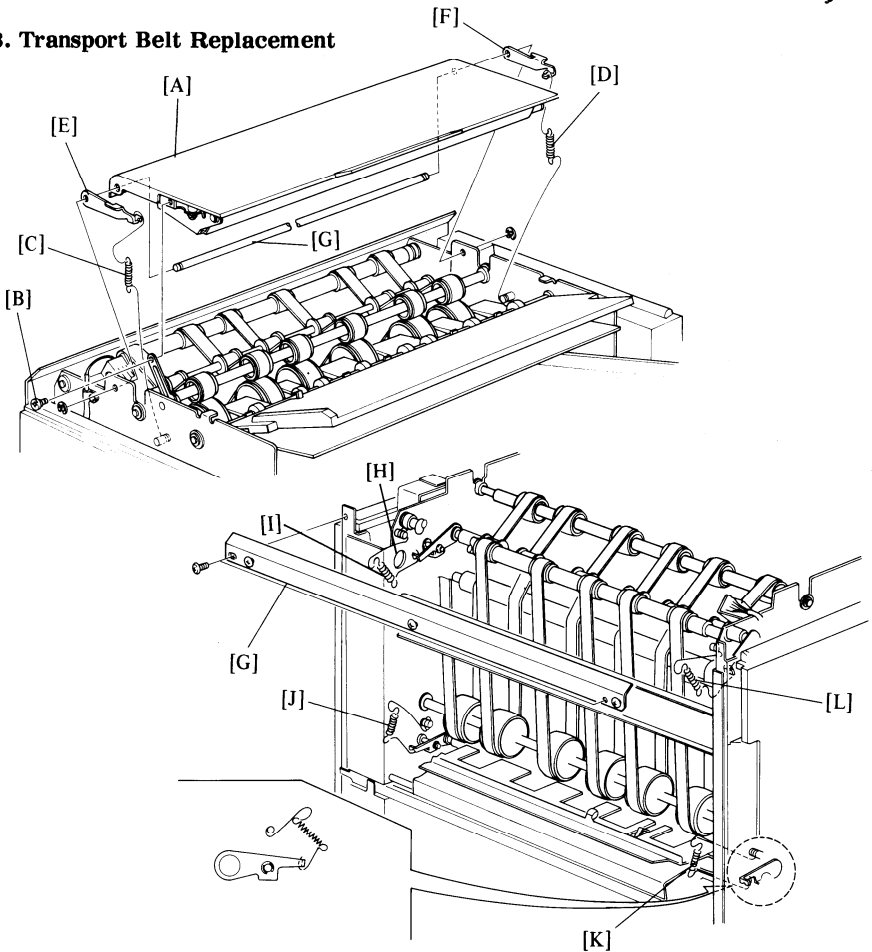
CAUTION: Make sure the 4 connectors for the front door safety switch are installed as shown. If they are not installed correctly, the sorter main board will be damaged.

5. Remove the transport unit [E] (5 screws, 1 ground screw, and 6 connectors).

NOTE: After disconnecting the two connectors from the power supply, pass the connectors inside the side frame brace as shown.

6. Reassemble.

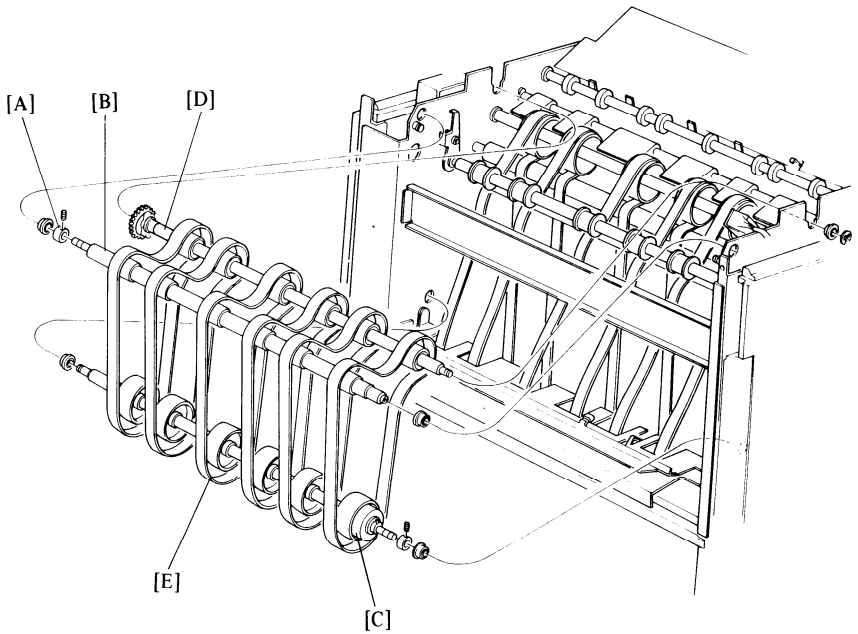
3. Transport Belt Replacement



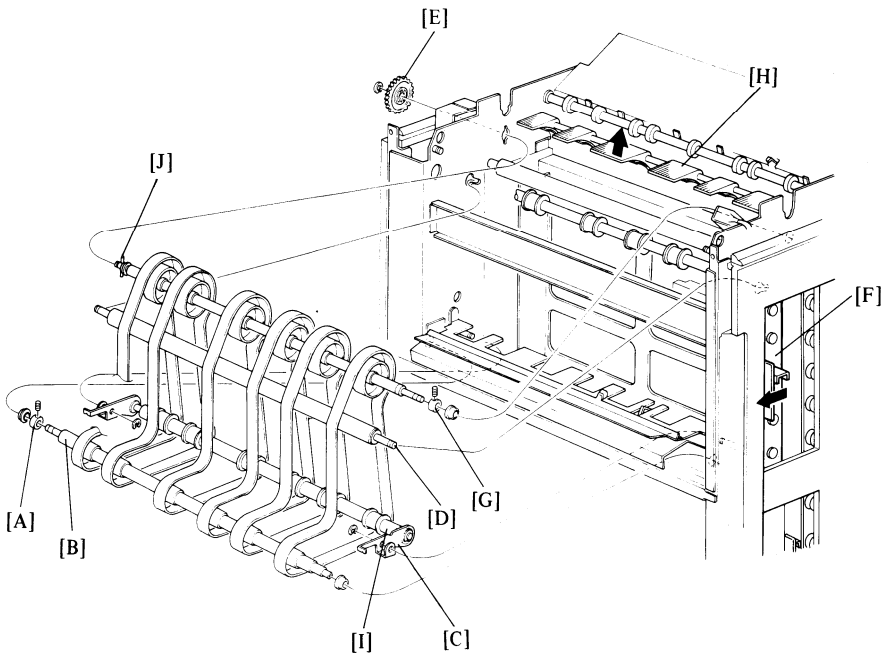
1. Turn off the copier's main switch and undock the sorter from the copier.

CAUTION: During this procedure there will be three sets of springs removed. Do not mix up the sets; they are different.

2. Remove the top cover (5 screws).
3. Remove the manual feed cover [A]:
 - a) One shoulder screw [B]
 - b) Two pressure springs [C,D]
 - c) Two pressure plates [E,F] (2 E-rings)
 - d) Manual feed cover shaft [G]
4. Remove the top cover support bracket [H] (2 screws) and the 4 belt tension springs [I,J,K,L].



5. Loosen the Allen screw of the collar [A] and remove the top roller shaft [B].
6. Remove the upper belt entrance roller shaft [C] in the same way.
7. Lift up the upper belt drive roller shaft [D] and remove it.
8. Replace the upper transport belts [E].

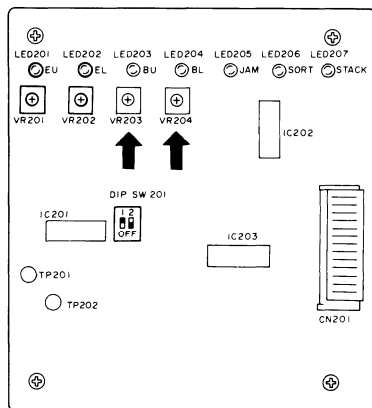
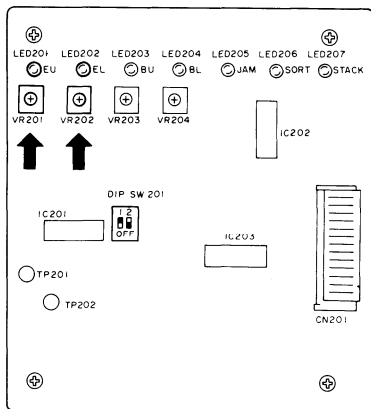


9. Loosen the Allen screw of the collar [A] and remove the lower belt entrance roller shaft [B].
10. Remove the lower belt tension roller shaft along with the pressure arms [C] (2 E-rings).
11. Remove the inside idle roller shaft [D].
12. Remove the lower belt drive gear [E] (1 E-ring).
13. Open the roller panel [F] of the upper distribution unit.
14. Loosen the Allen screw of the collar [G] and, while holding up the turn gate [H], remove the lower belt drive roller shaft [I].

NOTE: The lower belt drive roller shaft [H] has a pin [J] on the end of the shaft. Align the pin with the cut-out in the frame of the sorter.

15. Replace the lower transport belts.
16. Reassemble.

4. Jam Sensor and Bin Copy Sensor Adjustment



NOTE: When replacing the sensor interface board, the following adjustments must be performed:

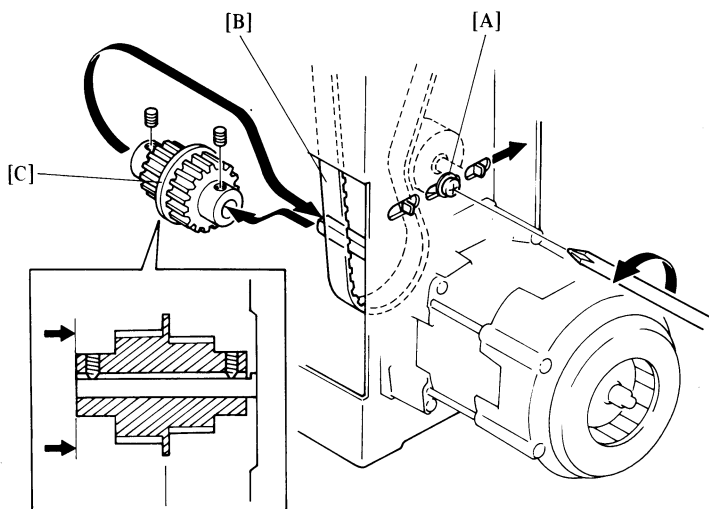
- Jam Sensor -

1. Remove the rear cover (4 screws) and all paper from the bins.
2. Turn on DIP SW201-1 on the sensor interface board.
3. Adjust VR201 (Upper Jam Sensor) to the point where LED201 just turns off.
4. Adjust VR202 (Lower Jam Sensor) to the point where LED202 just turns off.
5. Turn off DIP SW201-1.

- Bin Copy Sensor -

6. Turn on DIP SW201-2 on the sensor interface board.
7. Adjust VR203 (Upper Bin Copy Sensor) to the point where LED203 just turns off.
8. Adjust VR204 (Lower Bin Copy Sensor) to the point where LED204 just turns off.
9. Turn off DIP SW201-2.
10. Check that the LEDs turn on when paper enters the bins.
11. Reassemble.

5. 50Hz/60Hz Modification



1. Loosen the belt tension bracket screw [A] and release the 166XL timing belt [B] from the main motor pulley.
2. Loosen the two Allen screws and remove the main motor pulley [C].
3. Reverse the main motor pulley and install it so that it is flush with the end of the main motor shaft.
4. Adjust the main drive belt tension. There should be 6.0 ± 1.0 mm deflection of the belt when 200 grams pressure is applied.