DOCUMENT FEEDER INSTALLATION

ACCESSORY CHECK

Check the accessories in the box according to the following list:

1.	Installation procedure	1
2.	New Equipment Condition Report	1
3.	Envelope - NECR (115V only)	1
4.	Original exit guide	1
5.	Flip scale	1
6.	Flip scale spring	1
7.	Flathead shoulder screw	2
8.	Original feed table	1
9.	Original table cover	1
10.	DF interface harness	1
11.	Nylon harness bushing	1
12.	A4 test chart	1
13.	Flathead screw - M4 x 6	2
14.	Ground screw	2
15.	Star washer	2
16.	Pan head screw - M4 x 6	4
17.	Pan head screw with washer - M4 x 6	2
18.	Pan head screw - M5 x 12	4
19.	Multilingual decals (220/240V only)	1 set

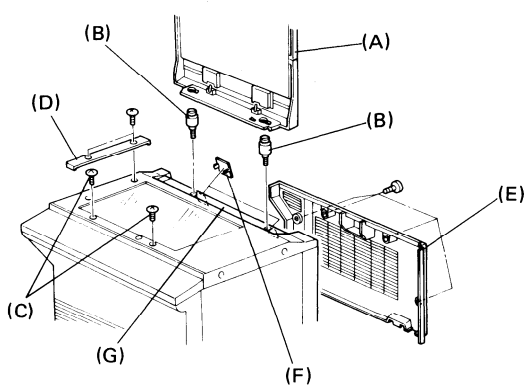
INSTALLATION PROCEDURE

1. Turn off the main switch.

2. Remove the following parts:

   Platen cover [A]
   Mounting stud (2 pcs) [B]
   Truss screw [C]
   Left scale (2 screws) [D]
   Rear cover (3 screws) [E]
   ADF docking hole cap (2 pcs) [F]

   ▶ Save the above parts for future use.

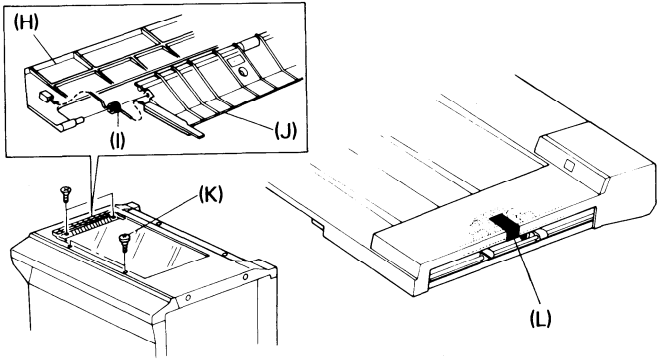


3. Secure the rear upper cover [G] (2 screws).

4. Set the flip scale [H] (with the flip scale spring [I]) on the original exit guide [J]; then, mount it as shown (2 flathead screws).

5. Secure two flathead shoulder screws [K] as shown in the figure.

6. Remove the strips of shipping tape [L].



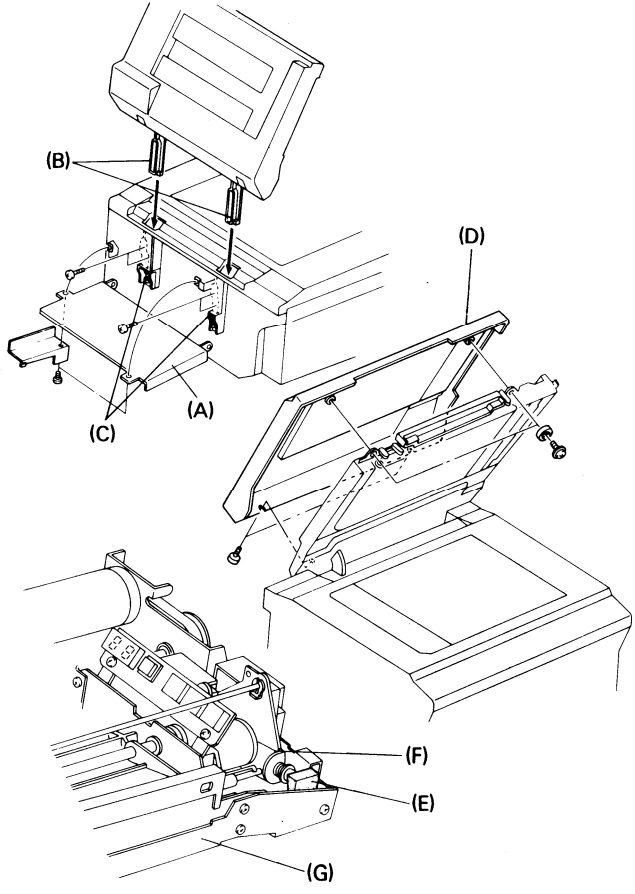
7. Lower the PCB plate [A] (2 screws).

8. Insert the mounting posts [B] into the DF mounting brackets [C].

9. Temporarily secure the mounting posts to the DF mounting brackets (4 screws).

10. Remove the DF cover [D] (4 screws).

11. Remove the shipping cushion from [E] between the stopper solenoid [F] and the DF side plate [G].

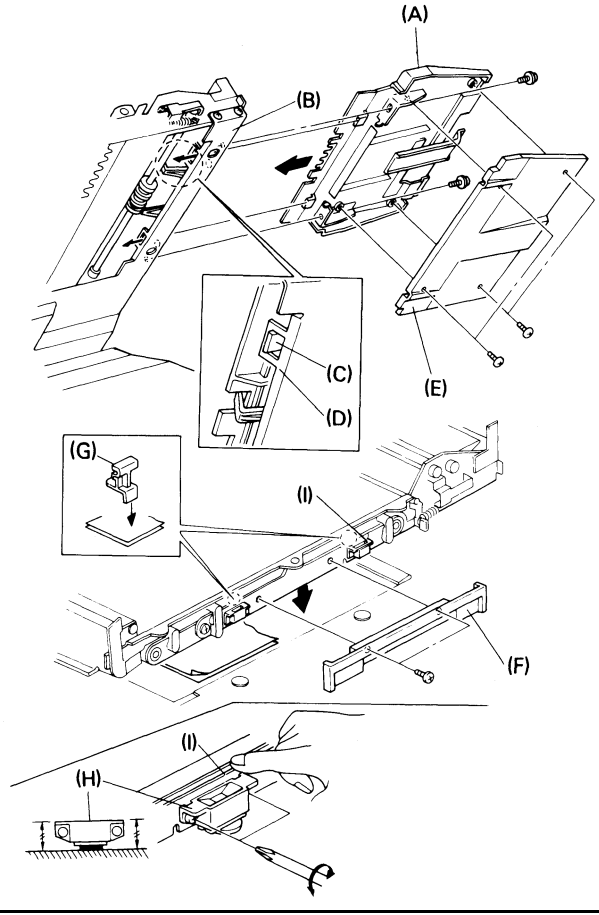


12. Install the original feed [A] table on the right side of the belt unit [B] (4 screws with washers). (Be sure to engage the 2 hooks [C] of the original table with the docking holes [D] of the belt unit.)

13. Install the original table cover under the original table [E] (4 screws).

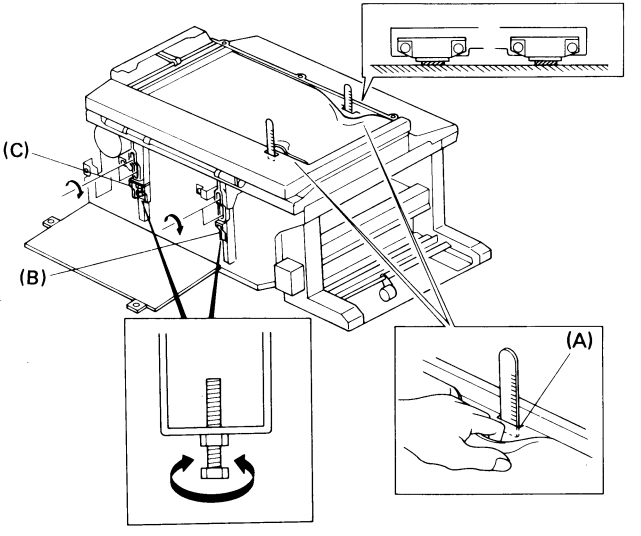
14. Level the DF as follows:

    a) Remove the DF grip plate [F] (2 screws).
    b) Place 2 sheets of A3 (11" x 17") paper between the white belt guide spacers [G] and the exposure glass.
    c) Loosen the mounting screws of the right side magnetic catch [H]. Push down the right side of the magnetic catch bracket [I], then tighten the screws of the right magnetic catch. Repeat this process with the left side magnetic catch. (Make sure the magnetic catches are parallel with the copier top cover.)
    d) Remove the 2 sheets of paper.



e) Adjust the height of rear side of the belt unit as follows:

1) Lift the upper part of the feed belt out of the way and measure the distance between the top of the access hole [A] in the pressure roller support bracket and the lower part of the feed belt at the front and rear left corners.
2) Adjust the two distances so that they are the same by using the left height adjusting bolt [B] on the DF mounting bracket.
3) Adjust the right rear height adjusting bolt [C] so that the DF closes properly.
   - ▶ Make sure that the belt is properly positioned in the belt guide spacers.
4) Tighten the four screws (M5 x 12) on the mounting posts. Lock the height adjusting bolts [B] [C] (2 lock nuts).



f) Install the DF grip plate.

g) Check that the DF closes properly.

CAUTION: On the following step, avoid bending the fiber optics sharply; this will damage the fiber optics.

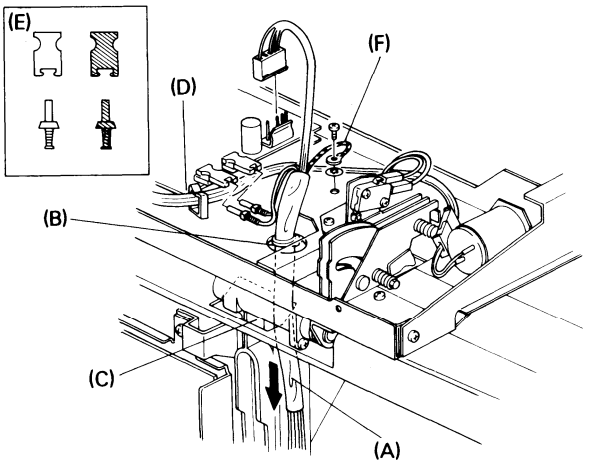
15. Pass the DF interface harness [A] through the harness hole [B] of the DF and the docking hole of [C] the copier.

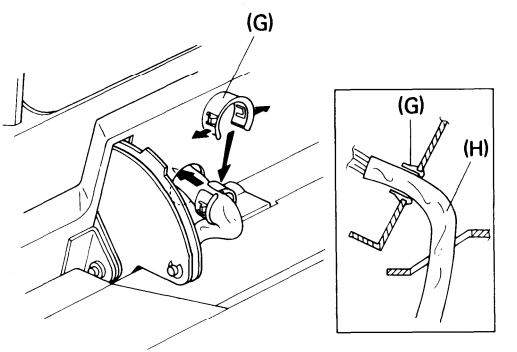
16. Connect the DF interface harness to the DF PCB [D] (3 connectors).

NOTE: The fiber optics connectors [E] have different colors. Be sure to match these colors when making these connections.

17. Secure the DF ground wire [F] on the DF base plate (1 ground screw and star washer).

18. Open the DF and install the nylon harness bushing [G] from the underside. (This harness bushing should be positioned around the vinyl tube [H] of the DF harness as shown.)





19. Raise and secure the copier PCB plate (2 screws).

20. Install the interface board [A] (2 screws, 1 connector). (This is not necessary if a sorter or duplex unit has already been installed on the system.)

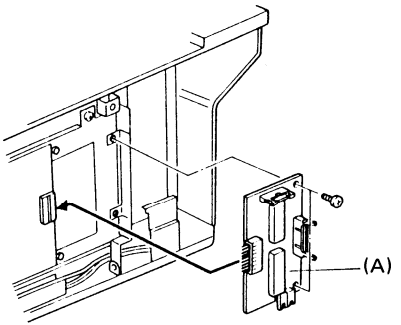
21. Connect the 3 DF connectors:

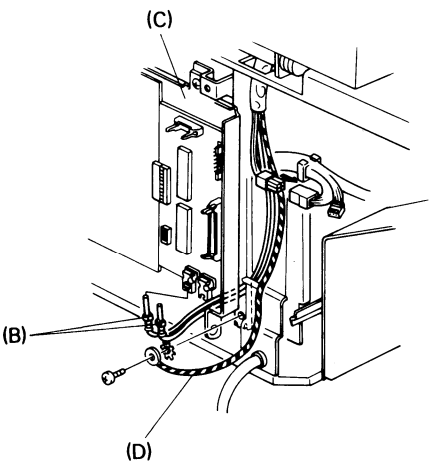
    a) Run the two fiber optic connectors [B] from behind the PCB plate [C], being careful not to damage them, and connect them to the interface board as follows.

    CN806 ----- Brown
    CN807 ----- Black

    b) Connect the DF harness connector to the copier's ac 4P connector.

22. Secure the ground wire [D] to the copier frame (1 ground screw and star washer).





23. Adjust the lead edge registration as follows:

    a) Turn on the copier main switch and make a copy using the test chart in the platen mode with the flip scale.

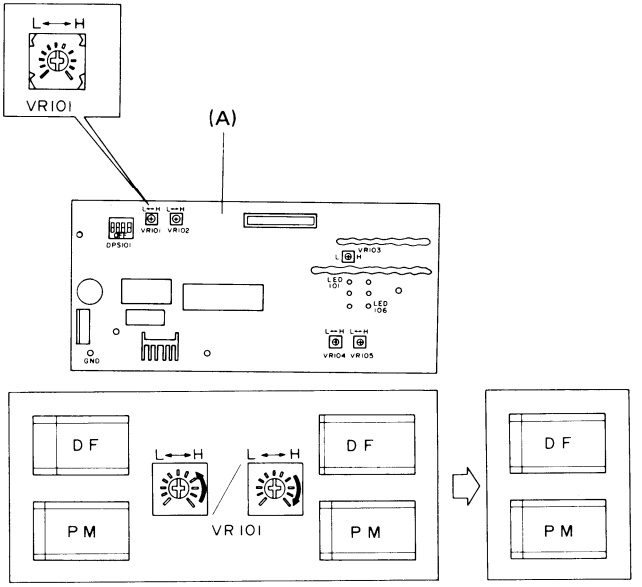
    b) Keep this copy for reference and mark “PM” (Platen Mode) on the reverse side of it.

    c) Make a copy using the test chart with the DF.

    d) Adjust the DF registration against the platen reference mode (“PM”) by using VR101 on the DF PCB [A].

    PM > DF: Turn VR101 clockwise
    PM < DF: Turn VR101 counterclockwise

    e) Continue to repeat steps ‘c’ and ‘d’ until you achieve the same registration as in step ‘b’.



24. Replace all covers.

25. Check the operation of the DF and copier system.

26. Fill out the New Equipment Condition Report.

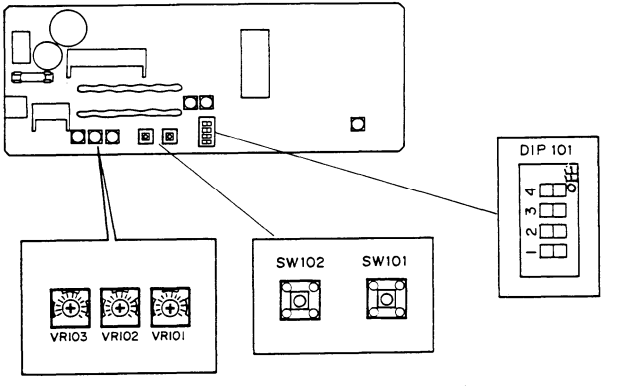
DOCUMENT FEEDER

1. DF BELT DRIVE MOTOR SPEED ADJUSTMENT

NOTE: This adjustment should be done when the DF main board is replaced.

ADJUSTMENT STANDARD: 2,600 ± 30 rpm

1. Turn off the main switch.
2. Remove the DF cover (4 screws, 2 collars)
3. Lower the DF unit.
4. Turn on DIP SW 101-1, 2, and 4.
5. Turn off DIP SW 101-3
6. Turn on the main switch.
   - ▶ The belt drive motor will start turning, and the left two digits of the motor speed will be displayed in the original counter.
   - ▶ Press SW 101 on the DF main board to display the second two digits of the motor speed.



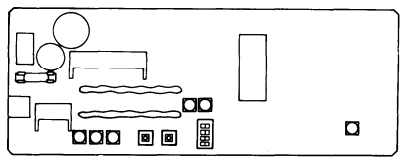
EXAMPLE: Motor speed = 2,612 rpm

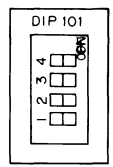
When SW 101 is not pressed, "26" is displayed.

When SW 101 is pressed, "12" is displayed.

7. Adjust the motor speed to 2,600 ± 30 rpm by turning VR103 on the DF main board.

8. Turn off the main switch, return DIP SW 101 to the normal position, and reassemble. (DIP SW 101-1 and 101-3 are on and all others are off.)





2. DF REGISTRATION

1. Turn on the copier main switch and adjust the lead edge registration as follows:

Front Side Original

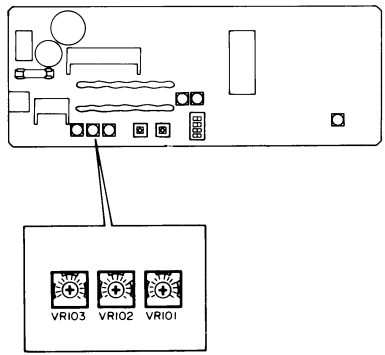
a) Make a copy using the test chart in the platen mode with the flip scale.

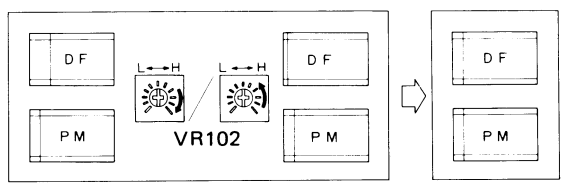
b) Keep this copy for reference and mark PM (Platen Mode) on its reverse side.

c) Make a copy using the test chart with the DF.

d) Adjust the DF registration against the platen reference mode ("PM") by using VR101 on the ARDF main board [A].
PM > DF: Turn VR101 counterclockwise
PM < DF: Turn VR101 clockwise

e) Continue to repeat steps 'c)' and 'd)' until you achieve the same registration as in step 'b)'.





Reverse Side Original

f) Turn off the copier main switch and set DIP SW 101 as follows:
ON: 101-3, -4
OFF: 101-1, -2

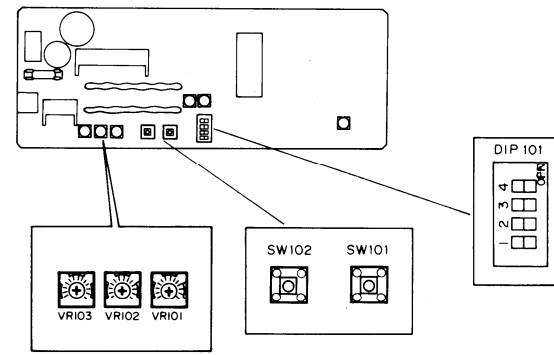
g) Turn on the copier main switch and set the copier test chart on the original table of the ARDF.

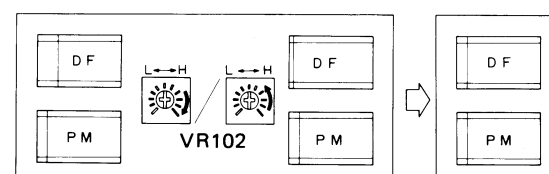
h) Press switch 101 on the ARDF main board twice.

i) Press the Start key to make a copy; then, press switch 102 to feed out the test chart.

j) Adjust the DF registration against the platen reference mode ("PM") by using VR-102 on the ARDF main board.

PM > DF: Turn VR 102 clockwise
PM < DF: Turn VR 102 counterclockwise





k) Continue to repeat steps 'i)' and 'j)' until you achieve the same registration as in step 'b)'.

2. Turn off the copier main switch and set DIP SW101 as follows:
   ON: 101-1, -3
   OFF: 101-2, -4