SECTION 11

DF-10

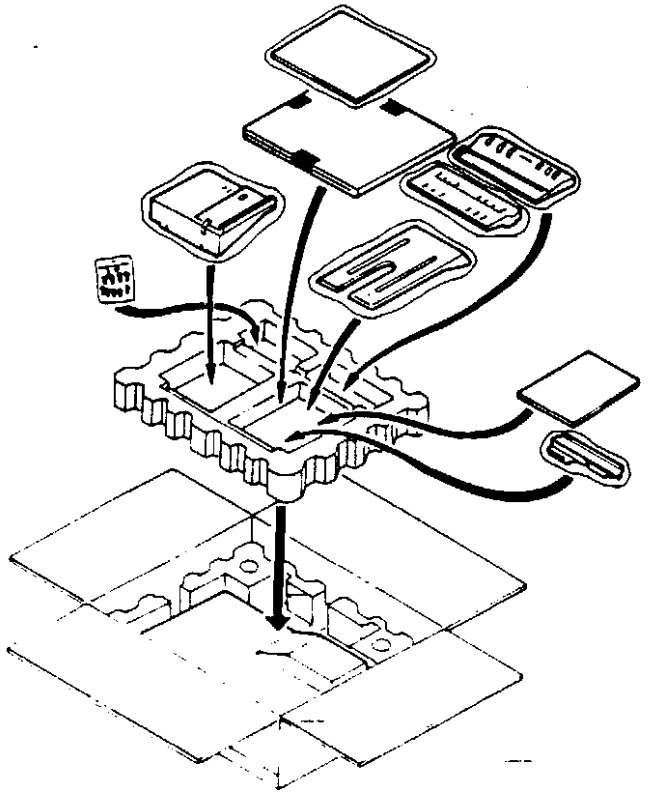
11. DF-10

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11-1. UNPACKING

1. Open the box.
2. Take out the accessoris.
3. Take out the upper cushion.
4. Take out the DF10.
5. Check the accessories according to the following list.

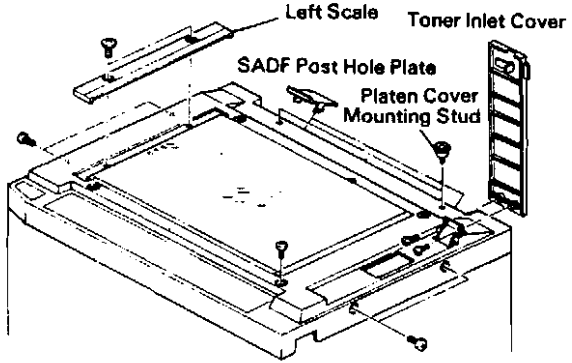
1)	SADF Bracket-Right	1
2)	SADF Bracket-Left	1
3)	Screws and Nuts	
	a) Shoulder Screw (M5)	2
	b) Shoulder Screw (M4)	2
	c) Pan Head Screw M4 x 6	4
	d) Sunken Head Screw M4 x 8	4
	e) Sunken Head Screw M3 x 5	3
	f) Pan Head Screw M5 x 12	4
	g) Hexagon Bolt M4 x 16	2
	h) Hexagon Nut M4	2
	i) Nylon Clip 7N	2
	j) Plated Pan Head Screw M4 x 8	1
	k) Toothed Washer	1
4)	Flexible Platen Cover	1
5)	Original Feed Guide	1
6)	Original Exit Guide	1
7)	Original Entrance Table	1
8)	Entrance Myler	1
9)	Original Tray	1
10)	Wire Harness	1
11)	Black Pad	1
12)	Table Support Bracket	2
13)	N.E.C.R.	1
14)	Envelope for N.E.C.R. (115V)	1
15)	Installation Procedure	1

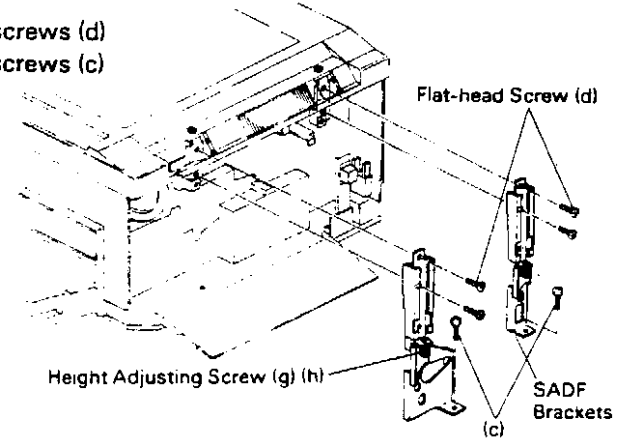


11-2. INSTALLATION PROCEDURE

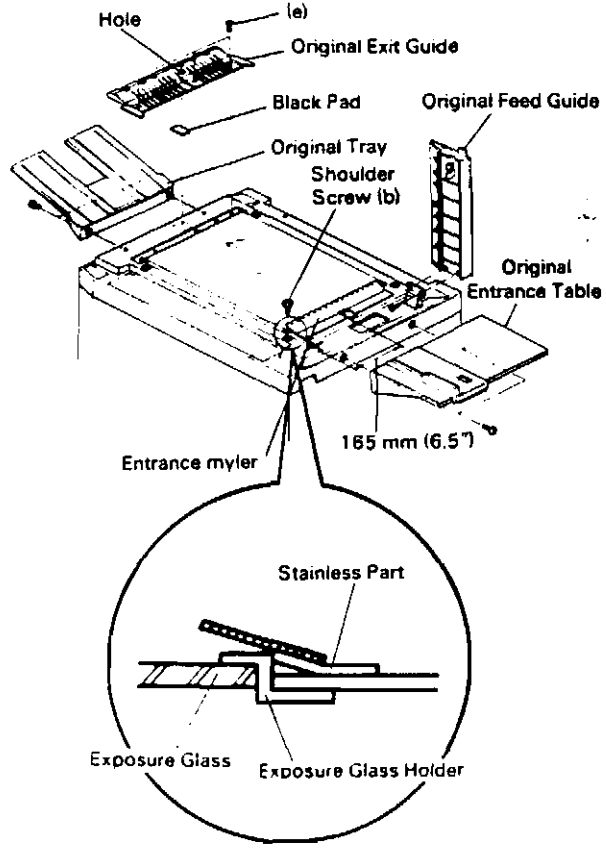
1. Remove the platen cover.
2. Remove the following parts.
   - Left scale, • 2 screws
   - Two platen cover mounting studs,
   - Toner inlet cover, • 2 screws
   - Rear cover, • 2 screws
   - Two SADF post hole plates.
     (Reach underneath and pinch the holders together.)
3. Lower the CPU plate. • 2 screws
4. Screw the height adjusting screws (g) and nuts (h) into the post guides before installation. • 2 screws (g)
   • 2 nuts (h)
5. Install the two SADF brackets. Use two flat-head screws (d) to attach one bracket to the platen cover brackets and a pan head screw (c) to secure it to the machine baseplate. • 4 screws (d)
   • 2 screws (c)

   NOTE: Be careful not to damage any wires.

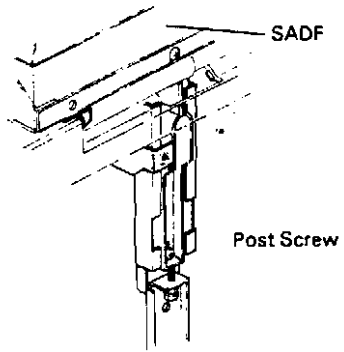




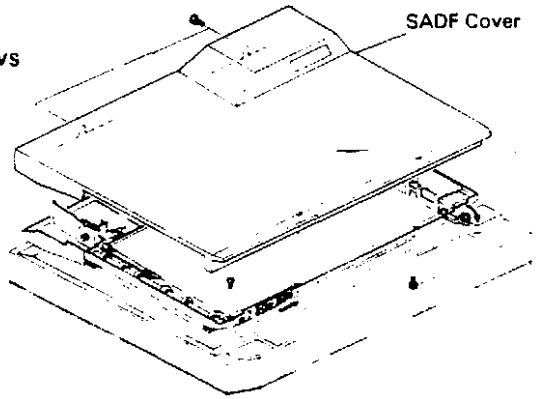
6. Install the entrance myler.
   NOTE: The stainless part of the entrance myler must touch the exposure glass holder.
7. Install the black pad on the left of the upper cover at the position shown.
8. Replace the two truss head screws shown with shoulder screws. • 2 screws (b)
9. Fix the original exit guide at the left scale position. • 3 screws (e)
   NOTE: Confirm that the black pad is placed just under the hole on the exit guide.
10. Mount the original feed guide on the hinge of the toner inlet cover.
    NOTE Check that the toner tank cover switch is actuated when the original feed guide is lowered.
11. Mount the original entrance table together with the table support bracket on the right side of the copier.
    (Use the two long M4 truss screws holding the right side of the top cover.)
12. Install the original tray. (Use the two long M4 truss screws securing the left side of the top cover.)



13. Install the SADF by inserting the posts into the SADF brackets.
14. Lower the SADF.
15. Lightly fix the four SADF post screws (f). • 4 screws (f)



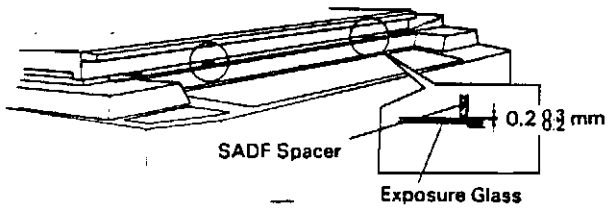
16. Remove the SADF cover. • 4 screws



17. Remove the feed belt: (See page 11-8), and reinstall left and right locking plates.

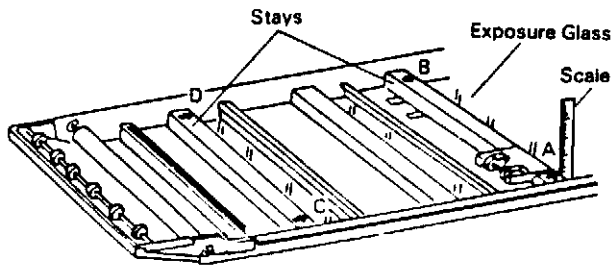
18. Level the SADF as follows.

a. Front Side
The two nylon spacers on the front side of the SADF should be level and $0.2 \pm \frac{0.3}{0.2}$ mm ($0.08'' \pm \frac{0.012''}{0.008''}$) from the exposure glass.



To adjust the level, move the magnets up or down slightly.

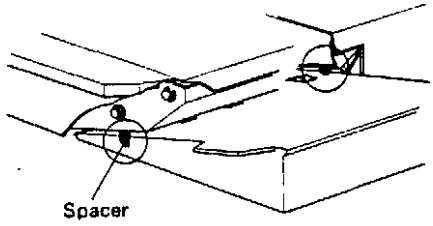
b. Rear Side
With the height adjusting screws, adjust the height of the rear side so that the clearance between the srays and the exposure glass is the same on the rear side as at the front. A = B, C = D.

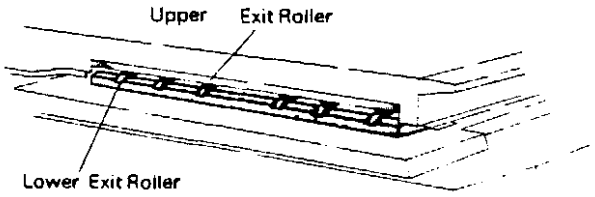


c. Confirm that the SADF is level

On the right side, the clearances between the spacers on either side of the original entrance guide must be the same.

On the left side, observe the amount of lower exit roller movement as the upper exit rollers contact them. The amount of movement should be equal.



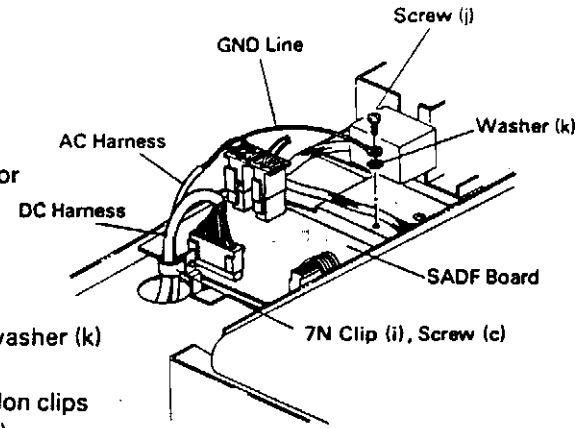


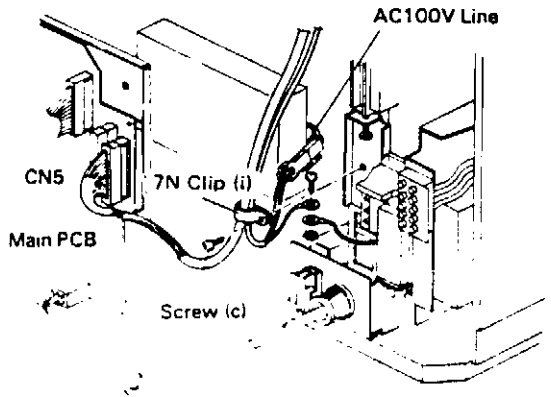
19. Tighten the SADF post screws.
20. Check the front and rear clearances between the stays and the exposure glass on both right and left sides again.

    NOTE: When tightening the post screws, rear side of the clearances will sometimes slightly change.
21. If the SADF level becomes inproper, repeat step 17, 18 and 19 again, and then, install the feed belt.

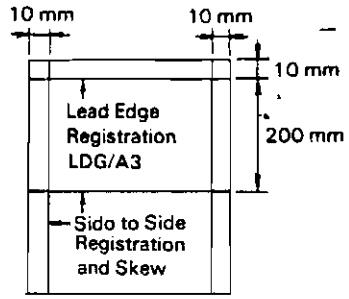
22. Lift the SADF. Then, insert the SADF harness through the hole in the SADF plate.
23. Connect the harness to CN5 on the Main CPU board and to CN201 on the SADF board.
    • 2P connector
24. Connect the AC100V power line. Then, screw one end of the ground wire to the SADF, and the other end to the copier frame.
    • 1 screw (j)
      1 toothed washer (k)
25. Tighten the SADF harness with two 7N nylon clips, while lifting the SADF.
    • Two 7N nylon clips
    • 2 screws (c)

CAUTION: If two clamp are installed while the SADF is lowered, the harness will be pulled when the SADF is lifted, resulting in damage of the harness.





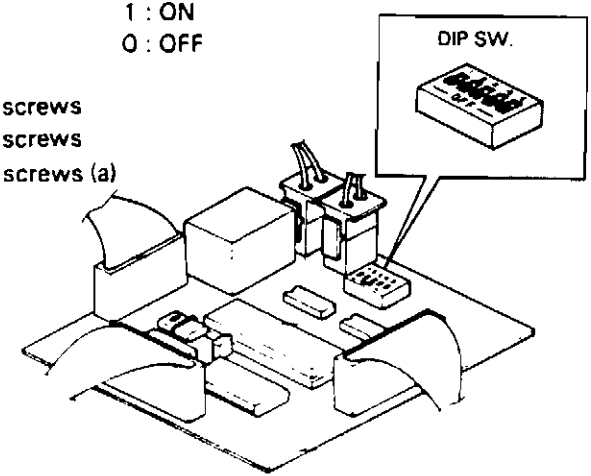
26. Check copier registration before using the SADF and adjust it if necessary.
    Adjustment Standard: 2.0 ± 2.0 m/m
27. Check SADF registration with the test sheet as shown in the right, inserting the test sheet for five times.
    Adjustment Standard: 1.5 ± 2.0 mm in average using the SADF when the copier registration is + 2.0 mm.



28. Adjust registration using DIP SW100 on the SADF CPU board according to the right table.
    NOTE: When SW #4 is off, the registration will increase because the DF motor turns off early.

#1	#2	#3	Change	#4
0	0	0	0 mm (0")	0 = +
1	0	0	1 mm (0.04")	1 = −
0	1	0	2 mm (0.08")	
1	1	0	3 mm (0.12")	
0	0	1	4 mm (0.16")	Regist-
1	0	1	5 mm (0.20")	ration
0	1	1	6 mm (0.24")	
1	1	1	7 mm (0.28")	

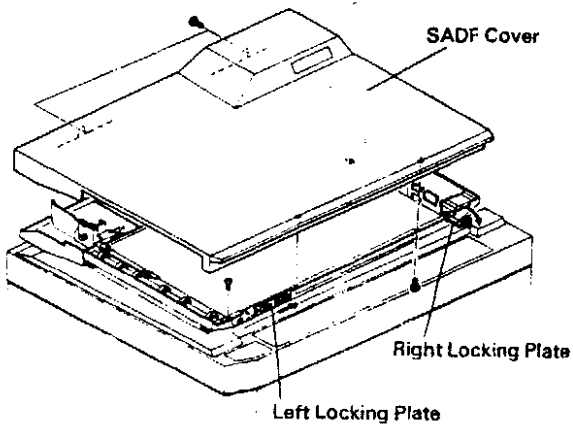
1 : ON
0 : OFF



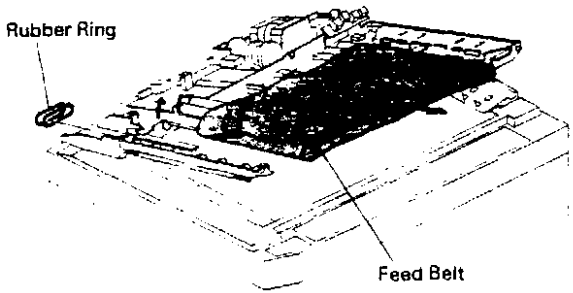
29. Mount the SADF cover.
30. Remount the rear cover of the copier.
31. Install shoulder screws (a) in the platen cover stud holes.
    NOTE: The flexible platen cover will be set to these shoulder screws when book copies are made.
32. Make a final registration and copy image check.
33. Fill out the DF-10 New Equipment Condition Report.

11-3. FEED BELT REMOVAL

1. Remove the SADF cover. • 4 screws
2. Loosen the right locking plate screws and turn it out.
3. Slide the left locking plate to th right. • 1 screw



4. Take off the two rubber rings.
5. Rotate the belt release bracket clockwise, and slide off the feed belt. • 1 screw



11-4. LIFT SWITCH ADJUSTMENT

1. Check that "Insert Original" indicator lights.
2. Lift the SADF and check that "Insert Original" indicator goes off when the distance between the original stopper and the bottom of the feed belt is between 16 mm and 30 mm. (0.63" to 1.18")
3. Adjust by repositioning the switch.
4. Confirm that the original inserted indicator does not light when lifting up the SADF.

