

SD-505 Saddle Stitcher

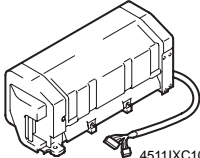
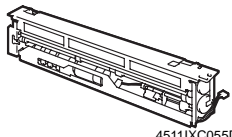
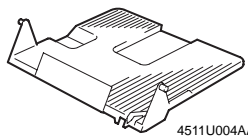
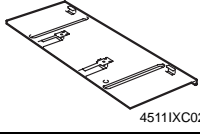

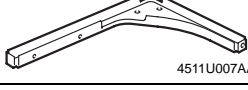
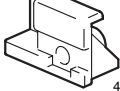
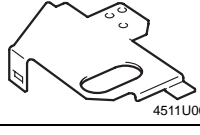

INSTALLATION MANUAL








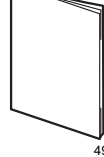
Applied Machine: FS-519

Note:

Lifting the machine in an awkward position or transporting it in a poorly balanced position could result in personal injury. When transporting the machine, assign an adequate number of persons to the job and ensure that each person can take a good position of not being excessively loaded. (mass: approx. 9.3 kg (20-1/2 lb))

I. Accessory parts

| No. | Name | Shape | Q'ty |
|-----|-------------------------------|--|------|
| 1. | Saddle unit |  4511XC107DA | 1 |
| 2. | Creasing unit |  4511XC055DA | 1 |
| 3. | Exit tray |  4511U004AA | 1 |
| 4. | Shutter |  4511XC024DA | 1 |
| 5. | Mounting bracket (right) |  4511U006AA | 1 |
| 6. | Mounting bracket (left) |  4511U007AA | 1 |
| 7. | Shutter mounting holder |  4511U008AA | 2 |
| 8. | Creasing unit adjusting plate |  4511U009AA | 1 |
| 9. | Mounting bracket cover |  4511U011AA | 1 |

| No. | Name | Shape | Q'ty |
|-----|-----------------------|---|-------|
| 10. | Screw A (3 × 6 mm) |  9646 | 2 |
| 11. | Screw B (3 × 8 mm) |  9739 | 2 |
| 12. | Screw C (4 × 8 mm) |  4511U012AA | 9 |
| 13. | Screw D (3 × 8 mm) |  9735 | 1 |
| 14. | Screw E (4 × 8 mm) |  9J081XC079DA | 1 |
| 15. | Shoulder screw A |  4511U013AA | 1 |
| 16. | Shoulder screw B |  4511U014AA | 2 |
| 17. | Installation manual |  49801XC019DA | 1 set |

! WARNING



After unpacking, be sure to get rid of the packaging materials and keep them out of the reach of children.

Putting the head in the plastic bag involves danger of suffocation.

Note:

Take the same procedures, though the machine illustrations or adjustment screens are different from the ones in the procedures.

II. When installing to the printers

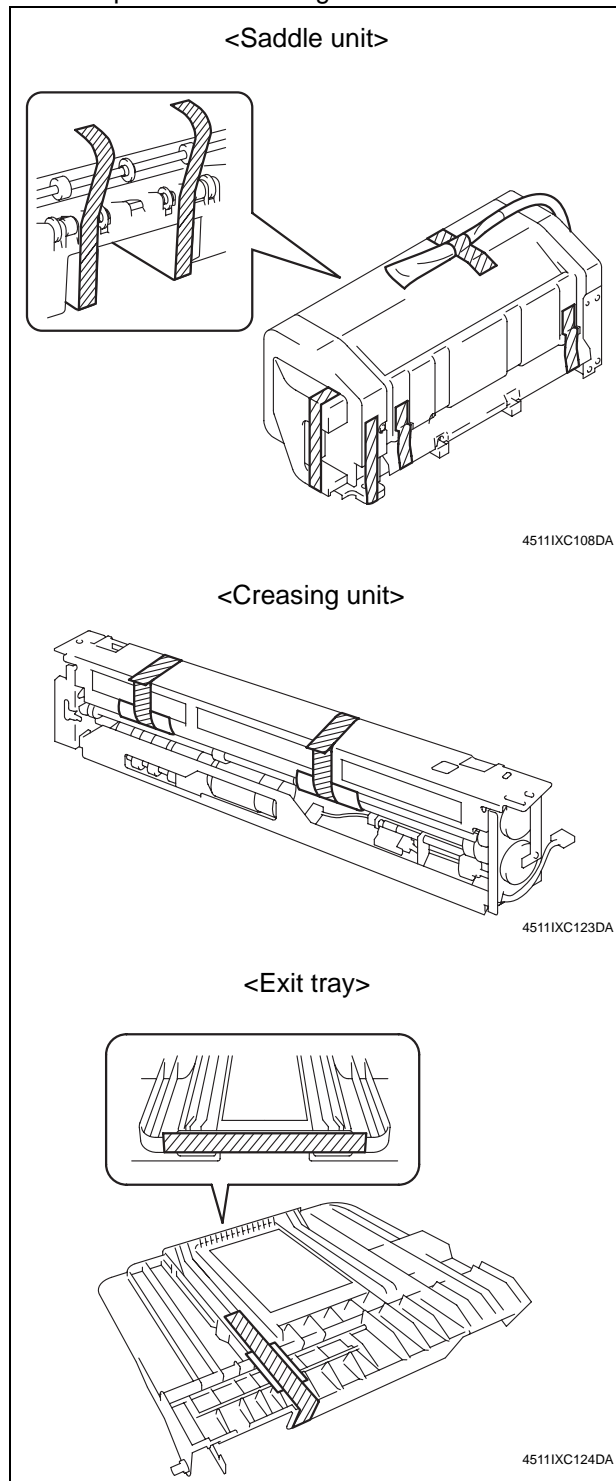
- This manual provides the illustration of the machine used as MFP. However, the same installation procedure is used for the printers.
- For screen adjustment, make sure to use the field service tools. Refer to the machine installation manual regarding how to connect and use the field service tools.

III. Installation procedures

Note:

- When mounting the saddle stitcher, mount it before mounting the finisher to the machine.
- When mounting the punch kit at the same time, mount the punch kit first.

1. Turn off the machine and unplug the power cord from the power outlet.
2. Remove the saddle unit and all other accessories from the shipping carton and remove the protective tape and cushioning materials.

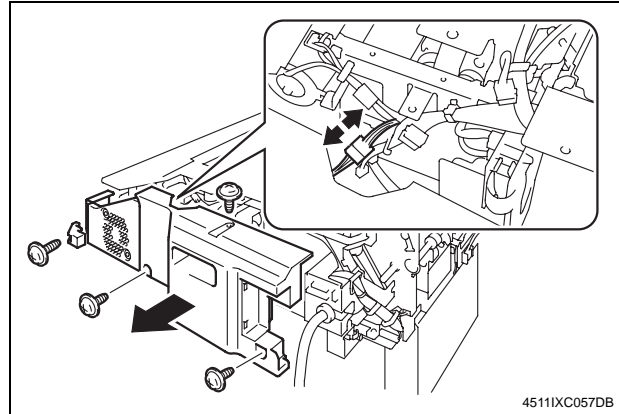


3. If the finisher is mounted on the machine, remove the finisher.

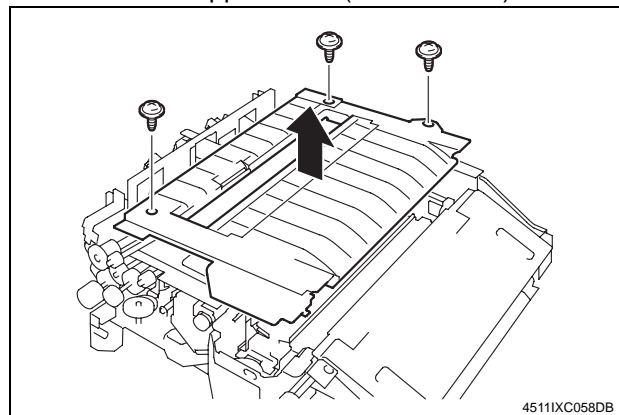
Note:

For the finisher removal procedure, see installation manual for finisher.

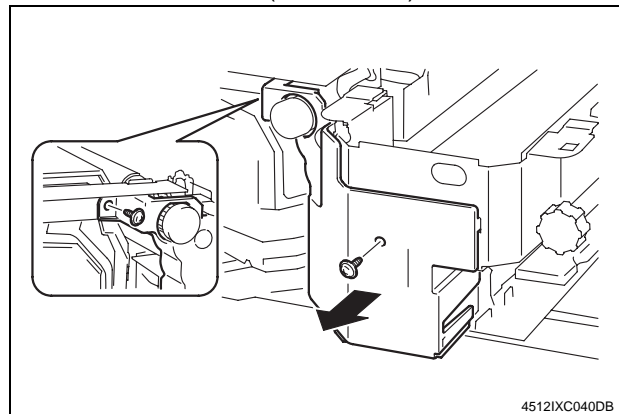
4. Remove the rear cover of the finisher (four screws).
5. Disconnect the connector.



6. Remove the upper cover (three screws).



7. Remove the cover (two screws).



8. If the punch unit is mounted to the finisher, remove the punch unit.

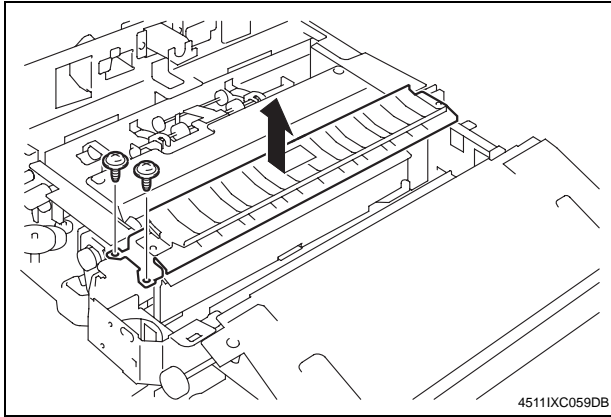
Note:

For the punch unit removal procedure, see installation manual for punch kit.

9. Remove the guide plate (left) (two screws).

Note:

When mounting the punch kit at that time, it has been removed.



10. Mount the punch unit that has been removed in step 8.

Note:

For the punch unit mounting procedures, see installation manual for punch kit.

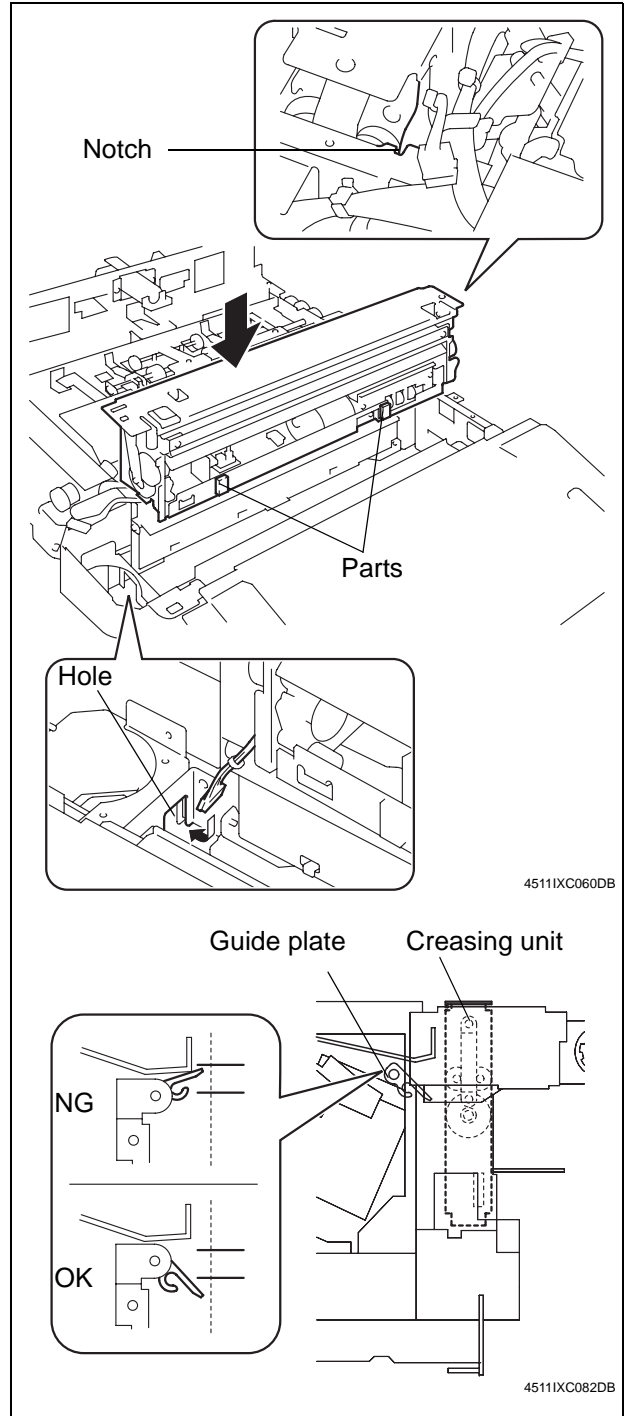
11. Let the connector of the creasing unit into the hole shown in the illustration.

12. Carefully insert the creasing unit into the finisher along the notch provided in the rear of the finisher.

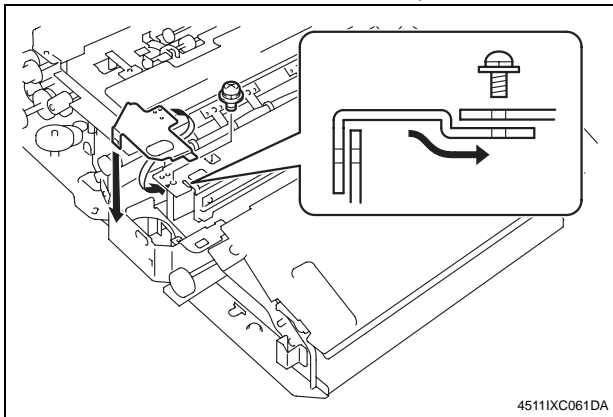
Note:

Use care not to allow the parts shown in the illustration to hit against the mating portions while the creasing unit is being inserted.

Insert it with the guide plate at the finisher side facing downward shown "OK" in the illustration.



13. Place the creasing unit adjusting plate beneath the creasing unit and temporarily secure the unit by tightening screw only temporarily (one screw A furnished with saddle stitcher).

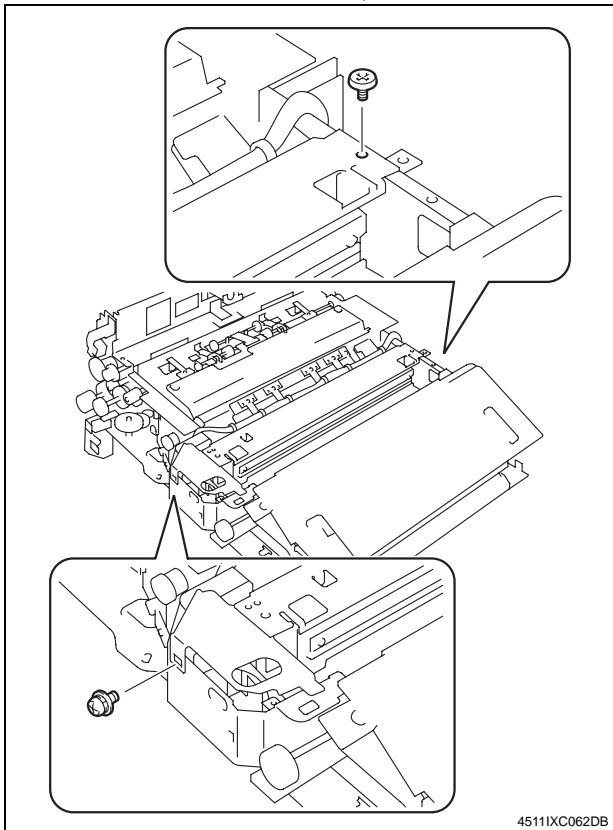


14. Secure the rear end of the creasing unit using shoulder screw (one shoulder screw A furnished with saddle stitcher).

Note:

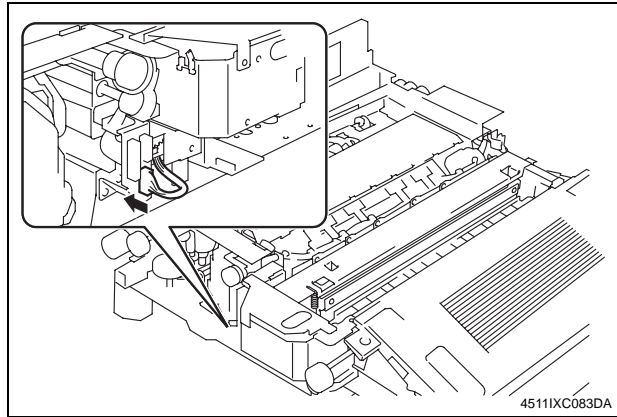
No clearance is allowed between the shoulder screw and the metal bracket.

15. Secure the creasing unit adjusting plate and creasing unit using screw (one screw A furnished with saddle stitcher).



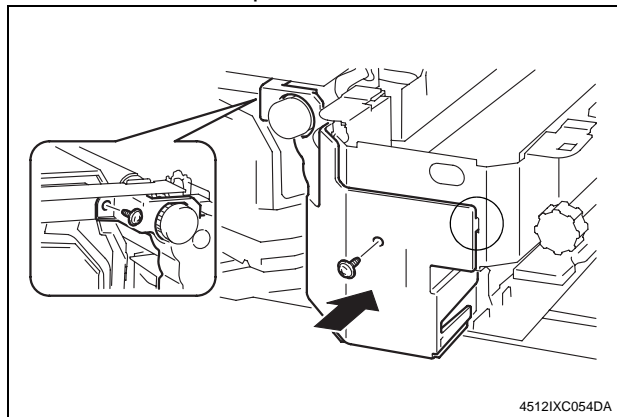
16. Securely tighten screw that has been tightened only temporarily in step 13.

17. Connect the connector of the creasing unit.



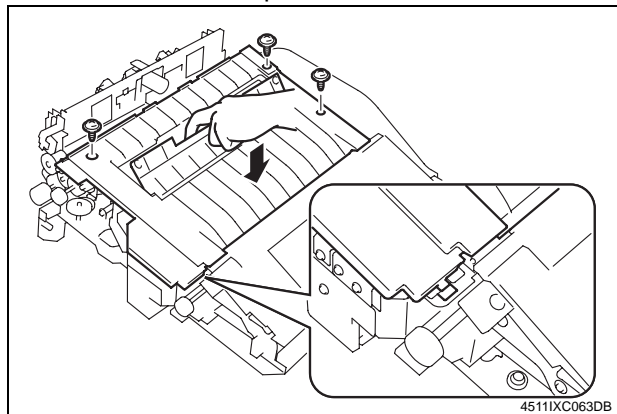
18. Reinstall the cover that has been removed in step 7 (two screws).

* First, fit the tab in position.



19. Reinstall the upper cover that has been removed in step 6 (three screws).

* First, fit the tab in position.

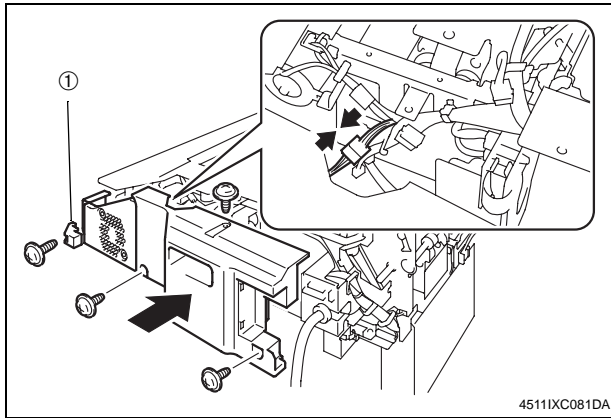


20. Reconnect the connector that has been disconnected in step 5.

21. Reinstall the rear cover that has been removed in step 4 (four screws).

Note:

Be sure to reinstall the cover (1) that has been removed in step 4.

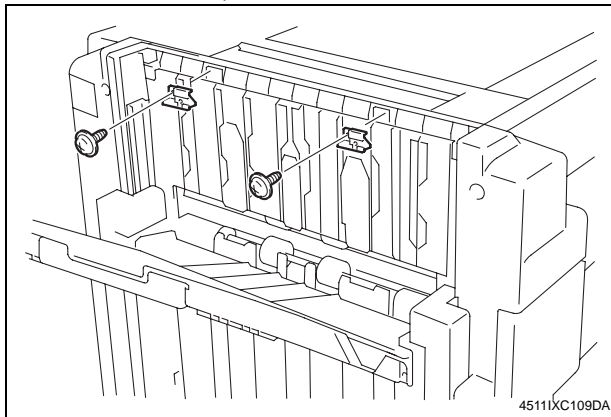


22. Mount the finisher to the machine.

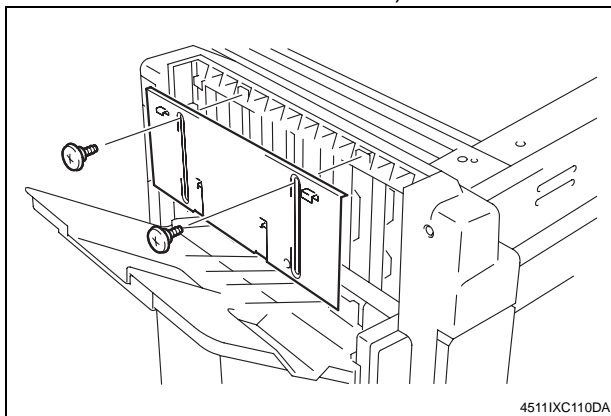
Note:

For the finisher mounting procedures, see installation manual for finisher.

23. Install the shutter mounting holder to the tray unit using screws (two screw B's furnished with saddle sticher).

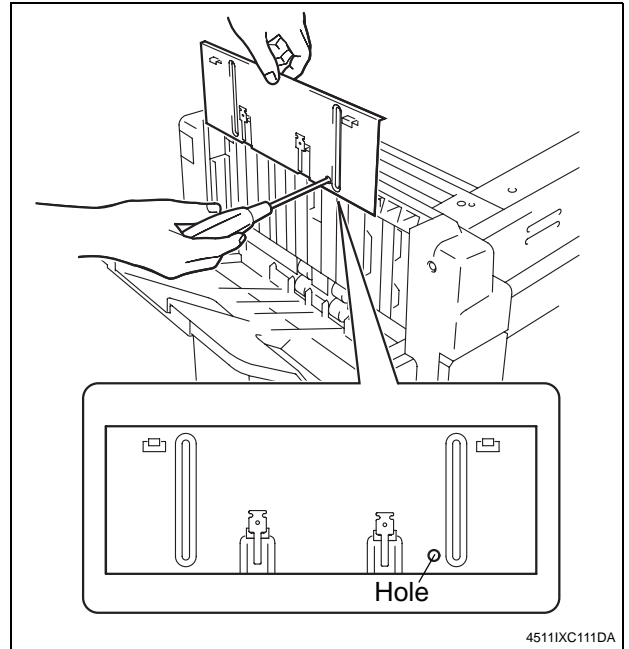


24. Using shoulder screws, secure the shutter to the shutter mounting holder (two shoulder screw B's furnished with saddle sticher).

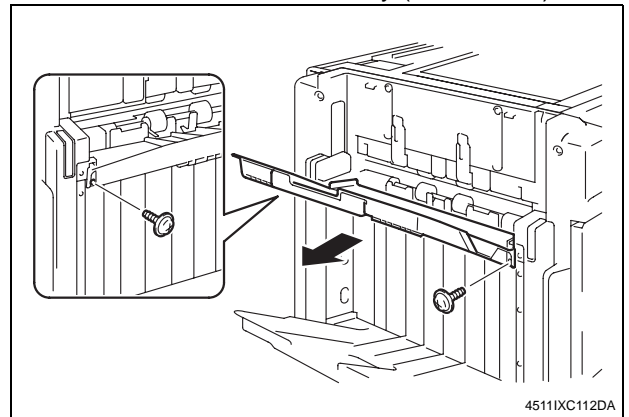


25. Move the shutter up and down. Release the shutter from a higher position to check to ensure that the shutter falls by its own weight.

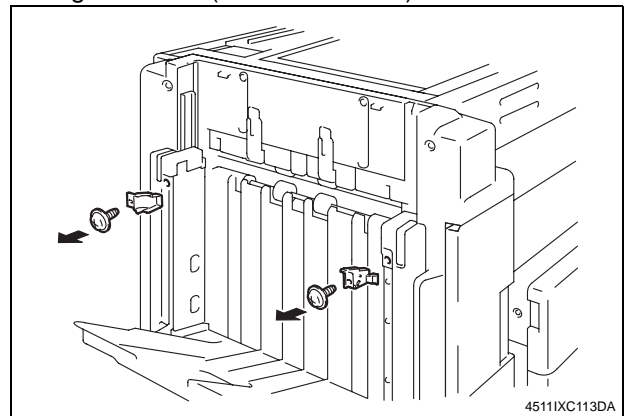
- * If it does not fall by its own weight, move the shutter up and loosen the screw of the shutter mounting holder which can be seen from the hole shown on the picture, and adjust the position of the shoulder screw B.



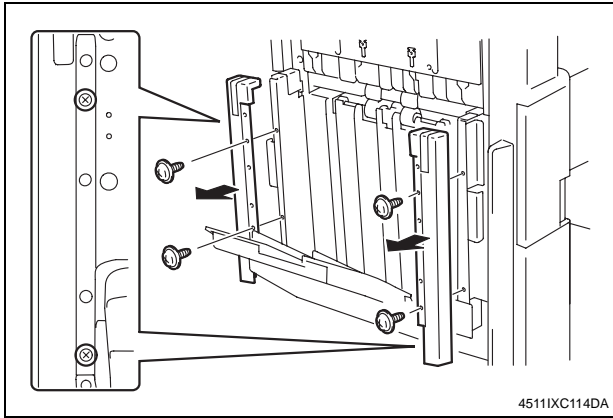
26. Remove the finisher exit tray (two screws).



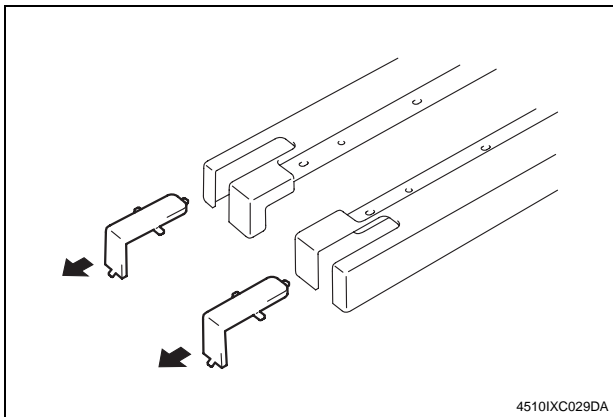
27. Remove the exit tray mounting holders on the right and left (one screw each).



28. Remove the right and left covers (two screws each).



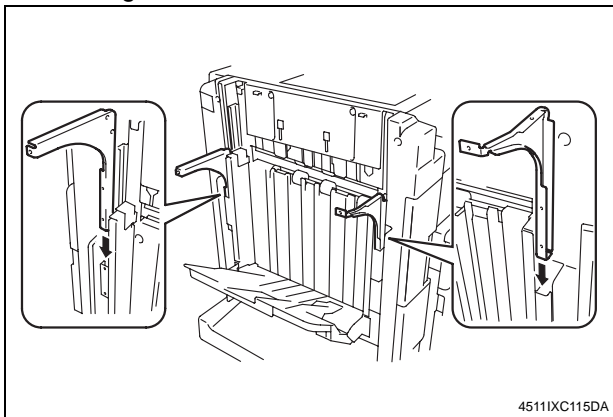
29. Use a nipper, etc. to cut out two separation covers.



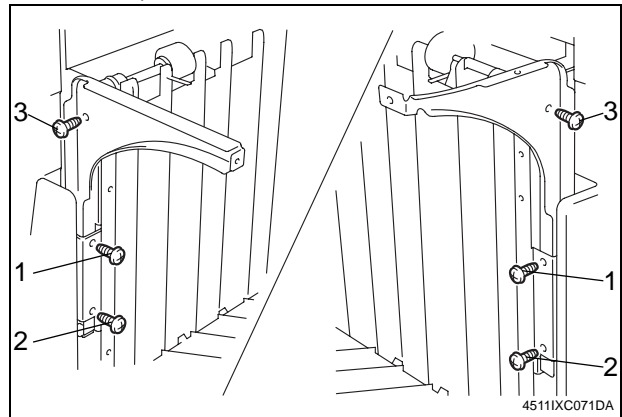
30. Insert the left and right mounting brackets.

Note:

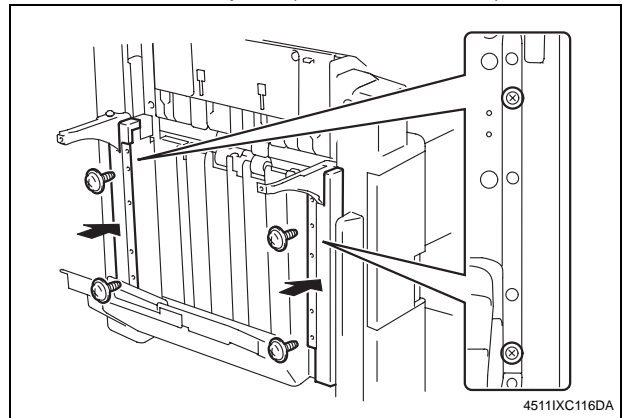
Make sure that the flat surface of each of the mounting brackets faces inward when installed.



31. Secure the mounting brackets in position following the order shown in the illustration (three screw C's each furnished with the saddle stitcher).



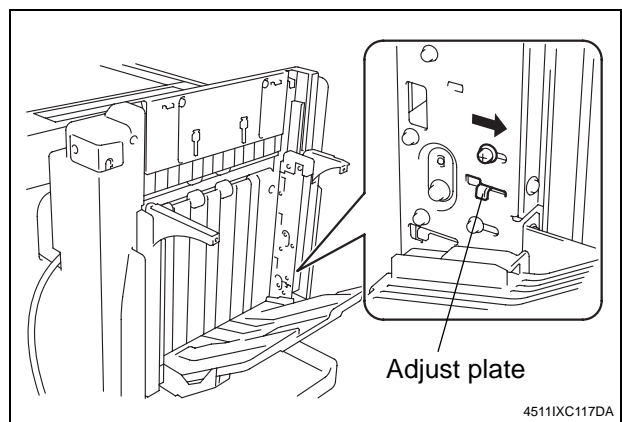
32. Reinstall the right and left covers that has been removed in step 28 (two screws each).



33. Loosen the screw shown, move it to the front, and then tighten it again (one screw).

Note:

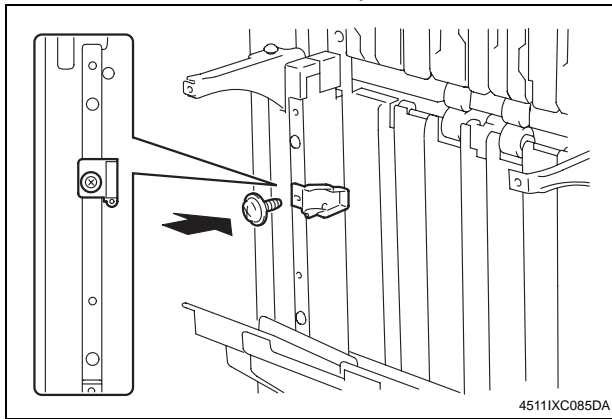
- This step must be performed properly to prevent any trouble.
- Do not move the screw by using the adjust plate.
- Be sure to move the screw itself.



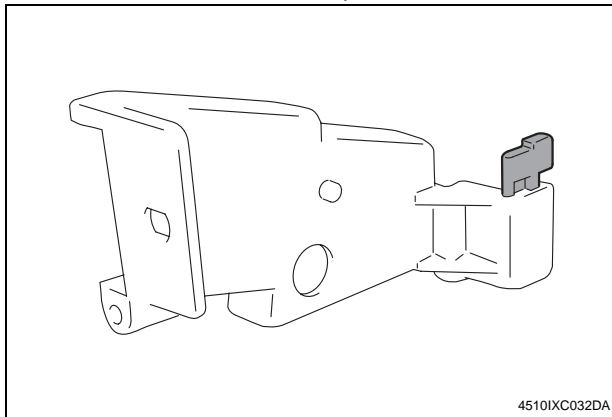
34. Reinstall the left exit tray mounting holder that has been removed in step 27 (one screw).

Note:

Install the holder at a level one step lower than where it was removed in step 27.



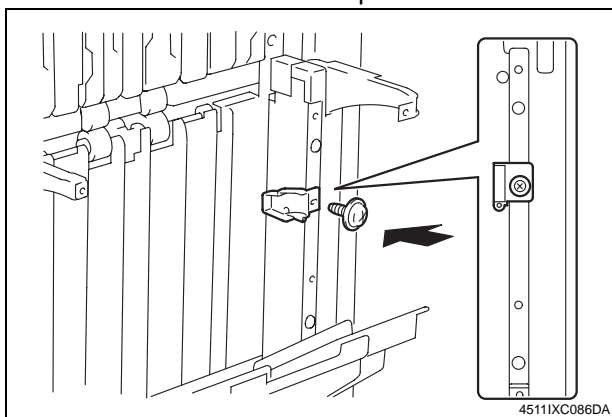
35. Use a nipper, etc. to cut out the crosshatched portion of the right exit tray mounting holder that has been removed in step 27.



36. Reinstall the right exit tray mounting holder (one screw).

Note:

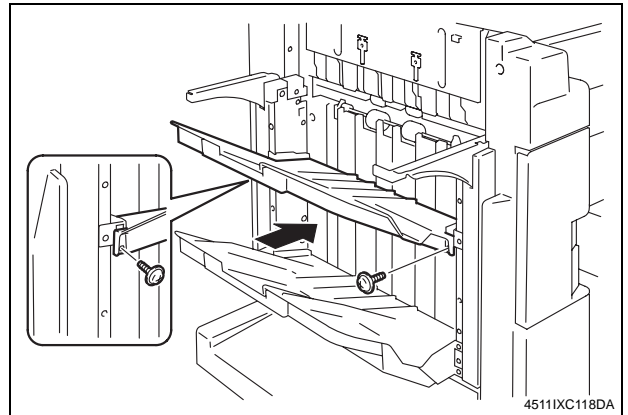
Install the holder at a level one step lower than where it was removed in step 27.



37. Reinstall the finisher exit tray that has been removed in step 26 (two screws).

Note:

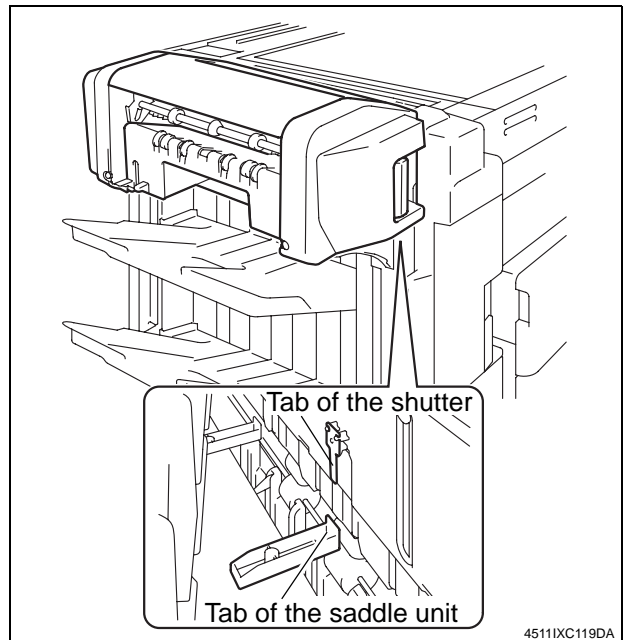
To prevent problems, be sure to securely tighten the screws.



38. Mount the saddle unit on the finisher.

Note:

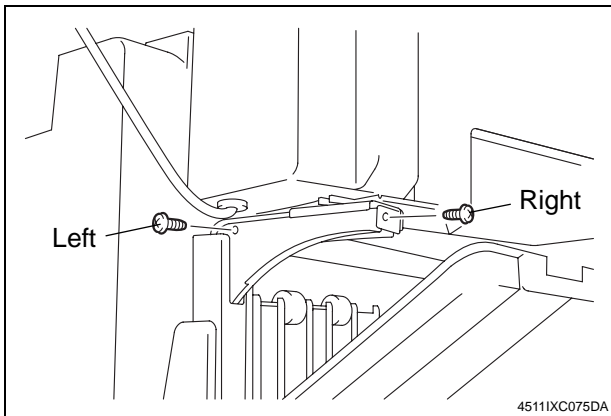
Check that the tab of the saddle unit is below the tab of the shutter.



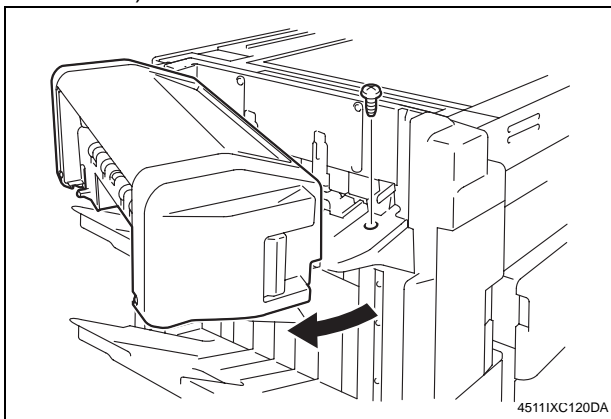
39. Secure the saddle unit to the mounting bracket (left) (two screw C's furnished with the saddle sticher).

Note:

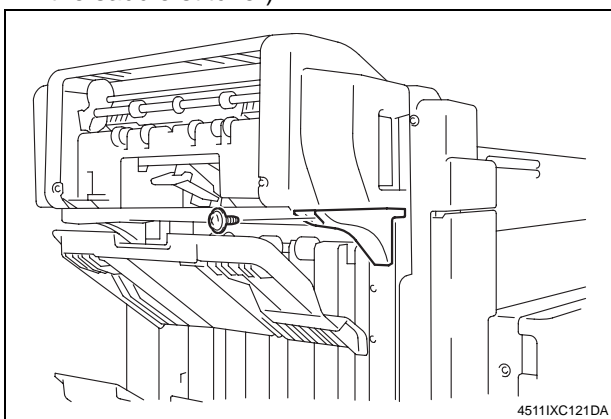
Temporarily tighten the left screw, securely tighten the right screw, and then securely tighten the left screw.



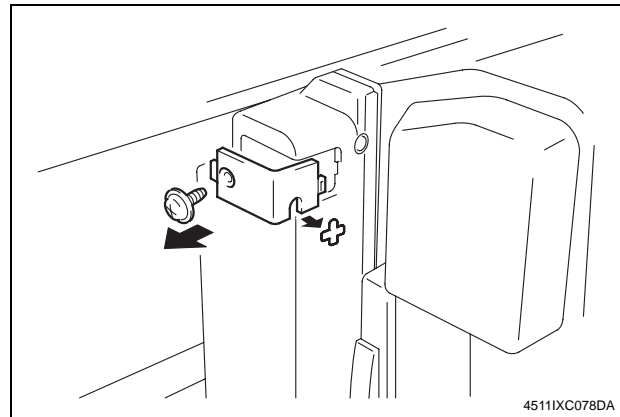
40. Open the saddle unit.
41. Secure the saddle unit to the mounting bracket (right) (one screw C furnished with the saddle sticher).



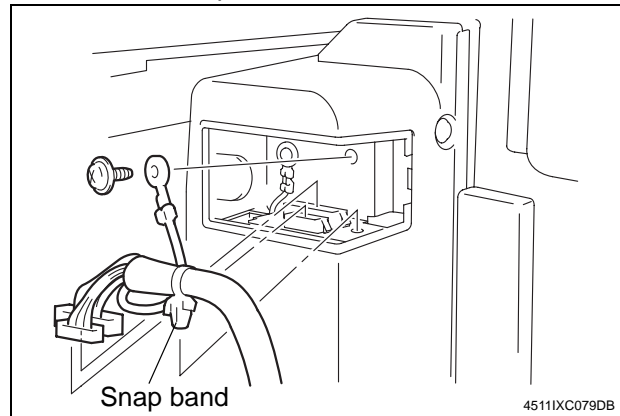
42. Install the mounting bracket cover to the mounting bracket (right) (one screw E furnished with the saddle sticher).



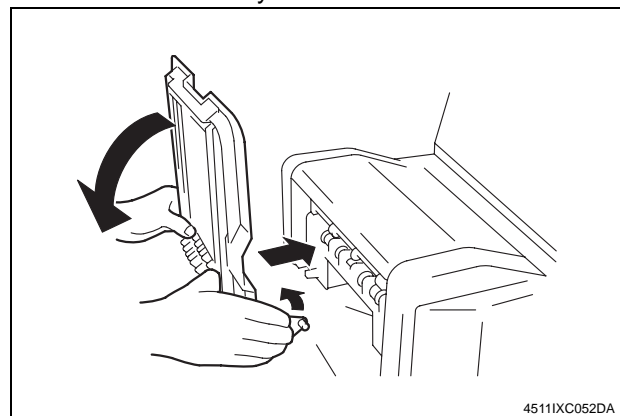
43. Remove the connector cover from the finisher (one screw).
44. Use a nipper, etc. to cut out the separation cover.




45. Connect the ground wire (one screw D furnished with the saddle sticher).
46. Connect the two connectors.
47. Insert the snap band.



48. Reinstall the connector cover that has been removed in step 43 (one screw).
49. Install the exit tray.




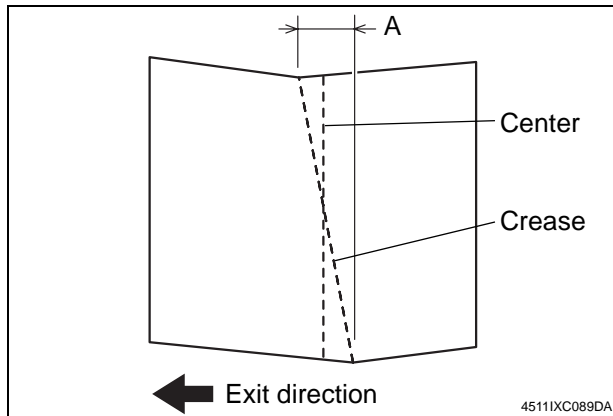
IV. Adjustments

* State the adjustments of A3  here.

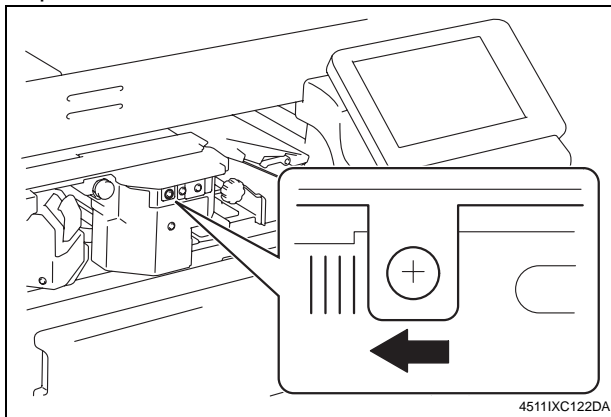
1. Plug the power cord into the power outlet and turn on the machine.

<Crease tilt adjustment>

2. Load the drawer with A3 .
3. Select the crease mode and make a copy.
(Refer to the user's guide (copy operations))
4. Fold the copy fed out along the crease.
5. Fold the copy fed out in half.
6. Check the crease for tilt (measure width A).
Reference: 0 ± 1.5 mm



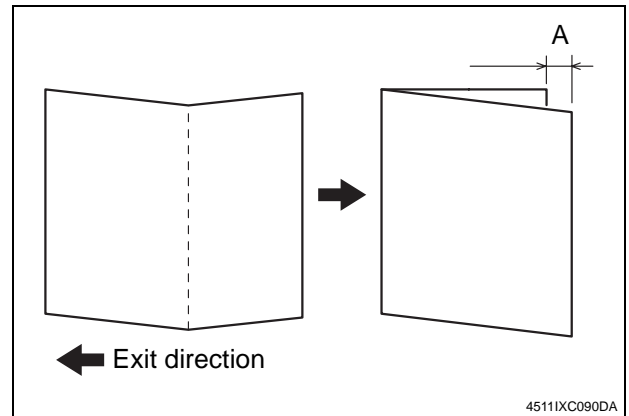
7. Open the front cover and loosen the screw on the creasing unit adjusting plate.
8. Slide the adjusting plate to the right or left as necessary to adjust tilt.
* If the crease tilts as in step 6, move the adjusting plate to the left as shown below.



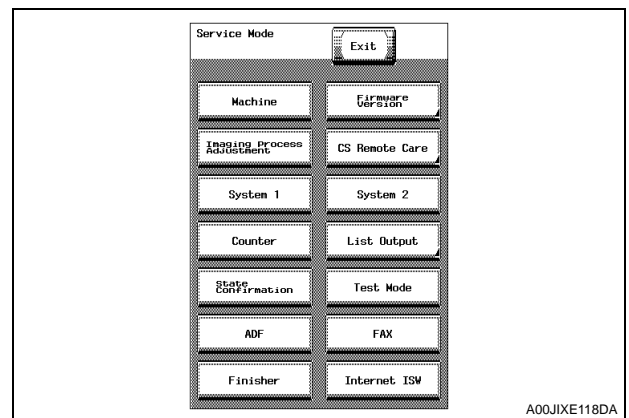
9. Make a copy and check the crease for tilt.

<Crease position adjustment>

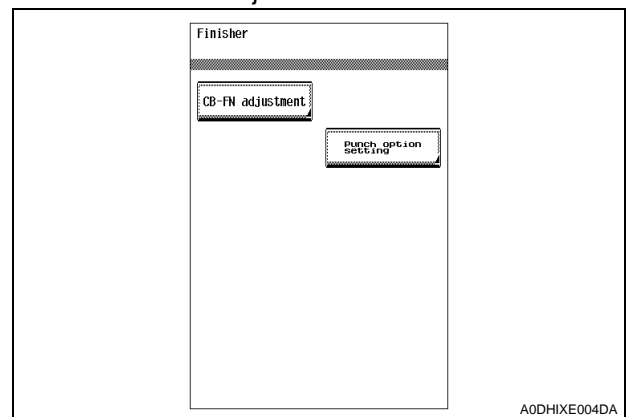
1. Make a copy in the crease mode.
(Refer to the user's guide (copy operations))
2. Fold the copy fed out along the crease.
3. Check the crease for deviation (measure width A).
Reference: 0 ± 1.5 mm



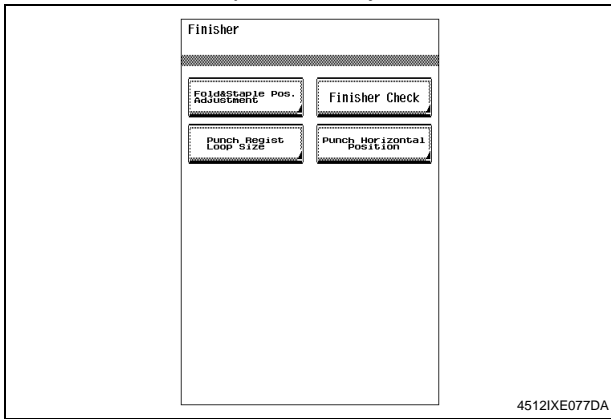
4. Display the Service Mode screen.
(For details of how to display the Service Mode screen, see the service manual.)
5. Touch "Finisher."



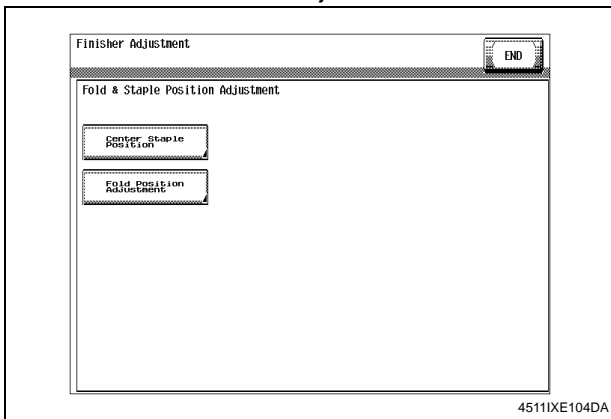
6. Touch "CB-FN adjustment."



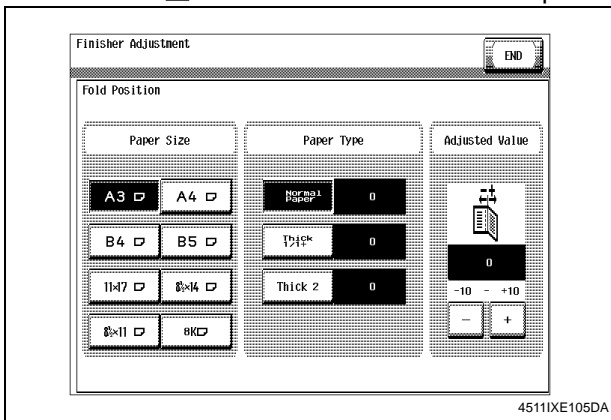
7. Touch "Fold&Staple Pos. Adjustment."



8. Touch "Fold Position Adjustment."

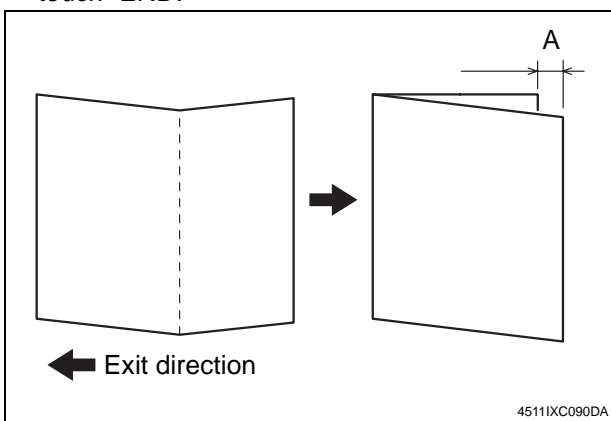


9. Touch "A3" and then touch "Normal Paper."



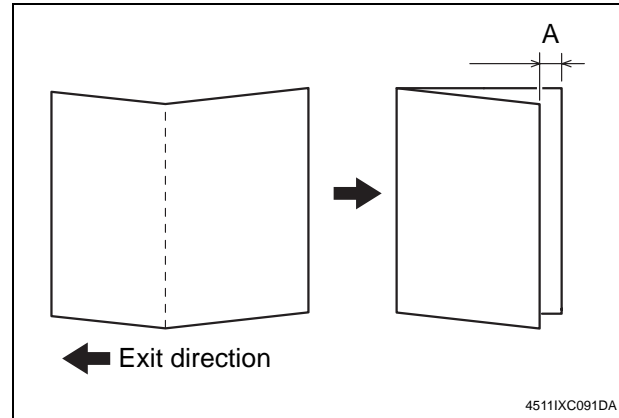
[If the crease deviates as shown below]

10. Using the **-** key, set the numeric value and touch "END."



[If the crease deviates as shown below]

11. Using the **+** key, set the numeric value and touch "END."




12. Touch "END."

13. Touch "Exit" on the Service Mode screen.

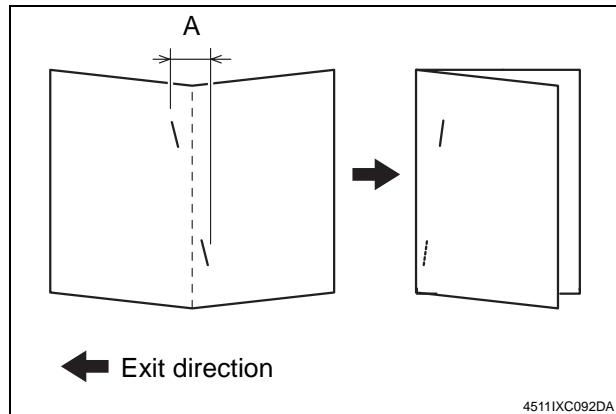
14. Make a copy and check the crease for deviation.

15. Adjust the other sizes in the same way.

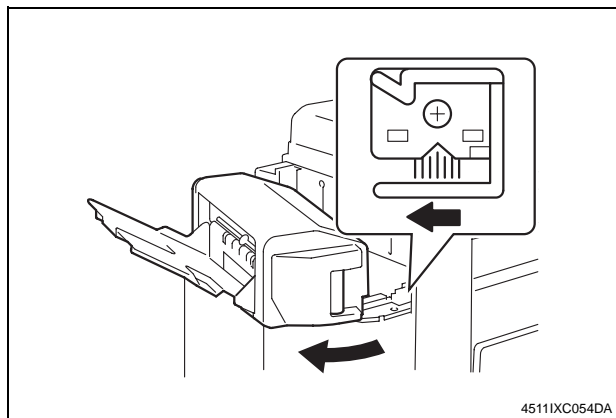
<Staple tilt adjustment>

1. Load a five-page A4  document in the document feeding tray.
2. Select the center staple mode and make a copy. (Refer to the user's guide (copy operations))
3. Fold the copy fed out along the crease.
4. Check the staple positions for tilt (measure width A).

Reference: 0 ± 1.5 mm




5. Open the saddle unit lock release lever.
 6. Loosen the adjusting screw and move the saddle to the left or right to adjust tilt as necessary.
- * If the staple positions tilt as in step 4, move the saddle to the left as shown below.

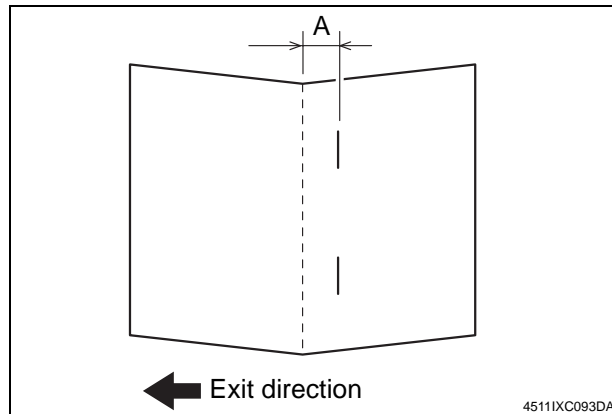


7. Make a copy and check the staple positions for tilt.

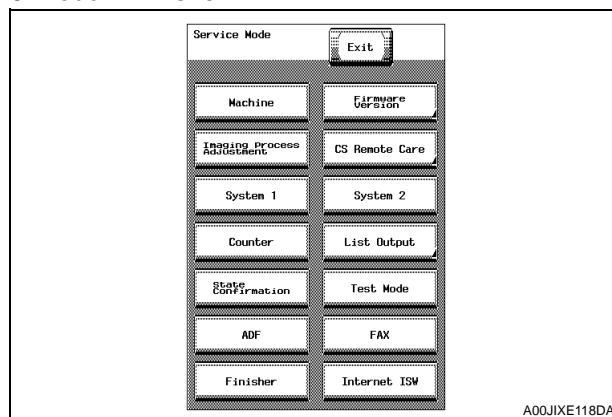
<Staple position adjustment>

1. Load a five-page A4  document in the document feeding tray.
2. Select the center staple mode and make a copy. (Refer to the user's guide (copy operations))
3. Fold the copy fed out along the crease.
4. Check the staple position for deviation from the crease (measure width A).

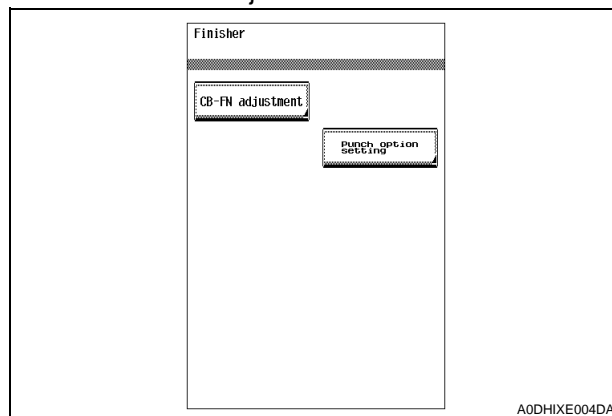
Reference: 0 ± 1.5 mm



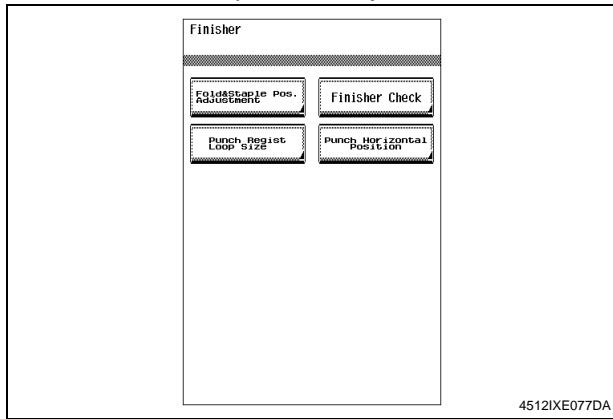
5. Display the Service Mode screen. (For details of how to display the Service Mode screen, see the service manual.)
6. Touch "Finisher."



7. Touch "CB-FN adjustment."

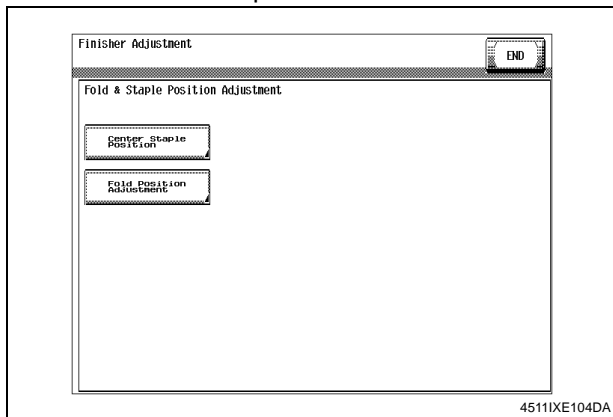


8. Touch "Fold&Staple Pos. Adjustment."



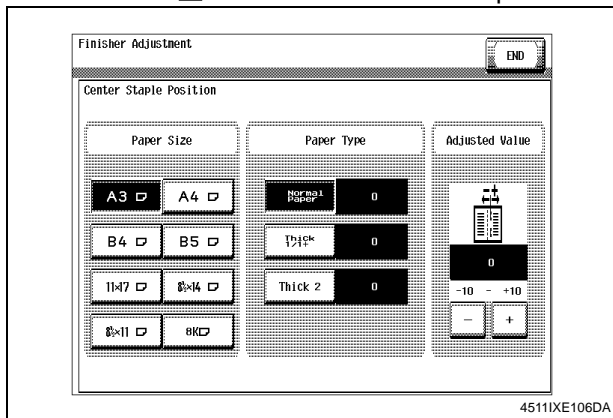
4512IXE077DA

9. Touch "Center Staple Position."



4511IXE104DA

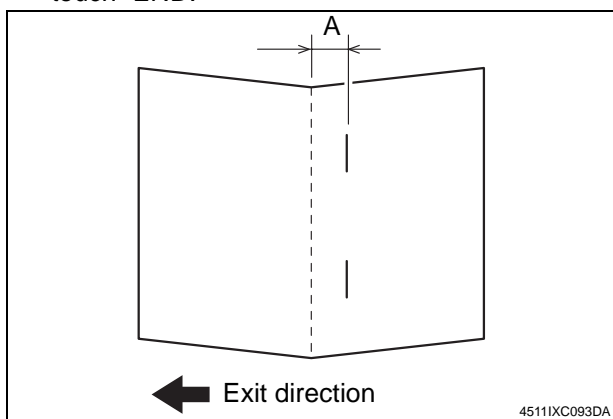
10. Touch "A3" and touch "Normal Paper."



4511IXE106DA

[If the staple positions deviate as shown below]

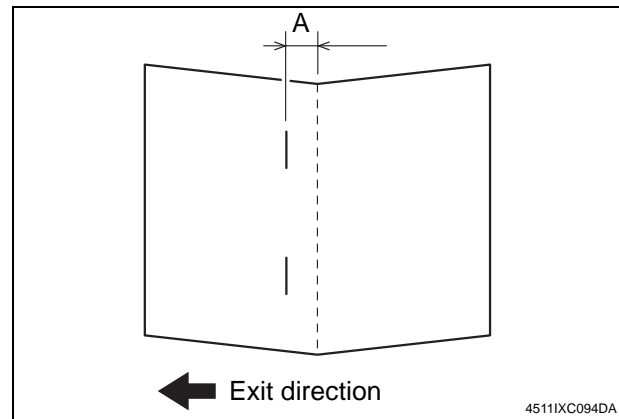
11. Using the **-** key, set the numeric value and touch "END."



4511IXC093DA

[If the staple positions deviate as shown below]

12. Using the **+** key, set the numeric value and touch "END."



4511IXC094DA

13. Touch "Enter" three times.

14. Touch "Exit" on the Service Mode screen.

15. Make a copy and check the staple position for deviation from the crease.

16. Adjust the other sizes in the same way.