

Model : GP605
GP605P

GP555

Ref. No. : FF-T01-K1-000060-01

Date : August 28, 2000

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Location : TRANSFER/SEPARATION CHARGING ASSEMBLY

Subject : PROVIDING FIELD MEASURES AGAINST BLACK DOTS IN IMAGES CAUSED BY
LEAKAGE TO THE PHOTOSENSITIVE DRUM

Reason : The problem of 'black dots' noted in the field at present are likely to be caused by the
transfer/separation charging assembly. (Studies are under way to obtain details of the cause.)
This bulletin provides field measures designed to reduce leakage to the photosensitive drum.

Details : <Symptom>
A single dot or multiple dots (black) occur in copy images caused by leakage to the photosensitive
drum.

<Cause>

In some environments, an excess amount of paper lint can develop on the separation paper guide of the
transfer/separation charging assembly. The paper serves to encourage leakage between the separation
charging wire and the photosensitive drum, possibly creating pin holes in the drum. (Studies are under
way to obtain details of the cause.)

<Factory Measures>

No specific measure is being implemented, pending the results of the studies under way to obtain
details of the cause.

Servicing Work :

<Temporary Measures>

At time of scheduled inspection or during maintenance work (at intervals of 250,000 copies or more),
clean the transfer/separation charging assembly.

In addition, if the user is not using thin paper (64 g or less), set separation current output correction
control to low voltage mode.

- 1) By referring to the Service Manual (FY8-13FD-010), remove the transfer/separation charging assembly from the machine.
- 2) When detaching the separation paper guide, fix the gut wire in place to the separation paper guide with cellophane tape or the like to prevent the gut wire from contracting.

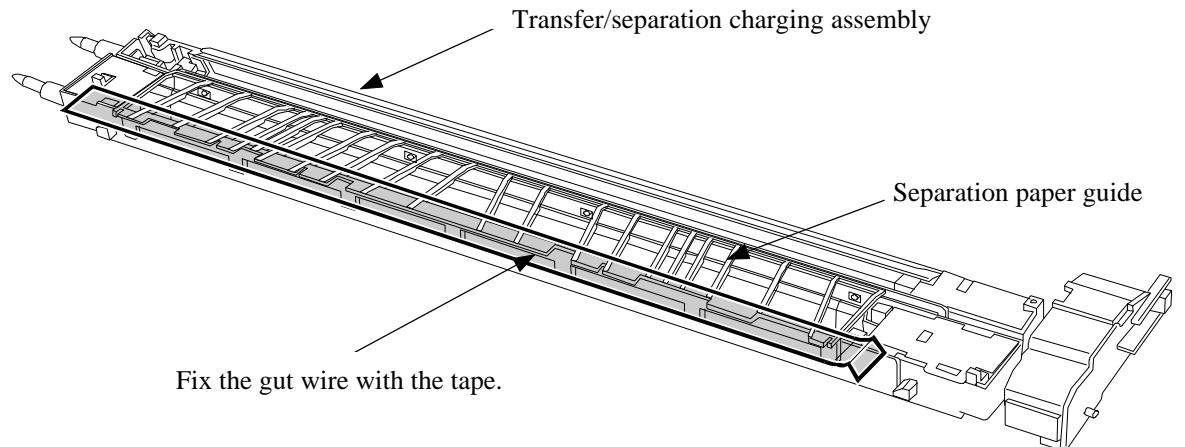


Figure 1

- 3) Free the hooks (7 pc.) of the separation paper guide from the long holes of the shield plate, starting with the end and in sequence.

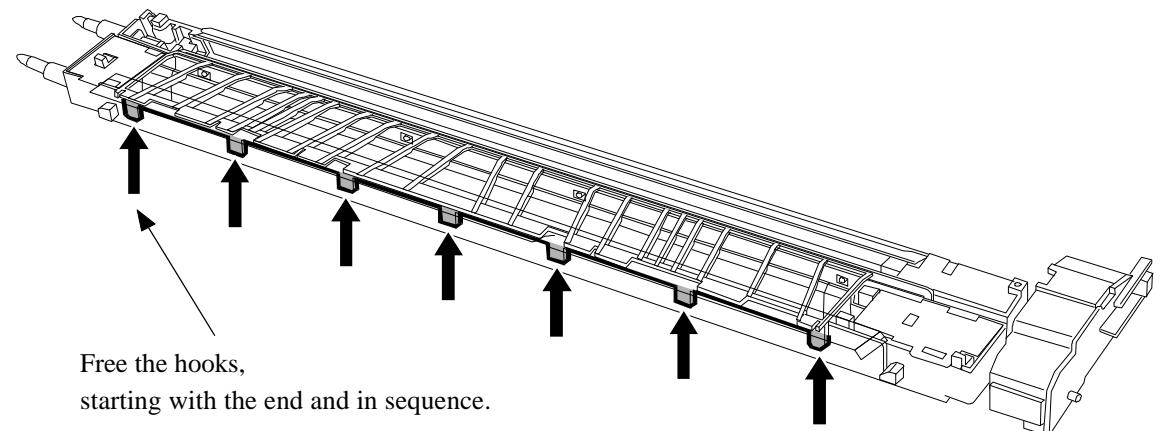


Figure 2

4) Free the bosses (4 pc.) found opposite the hooks, starting with the inside and in sequence.

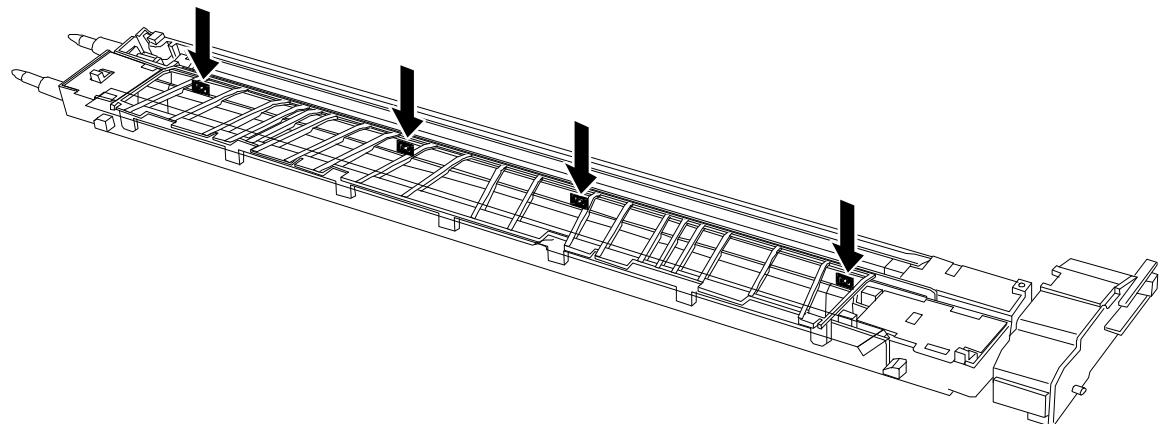


Figure 3

5) Remove the separation guide. At this time, be sure to take care not to cut the gut wire.

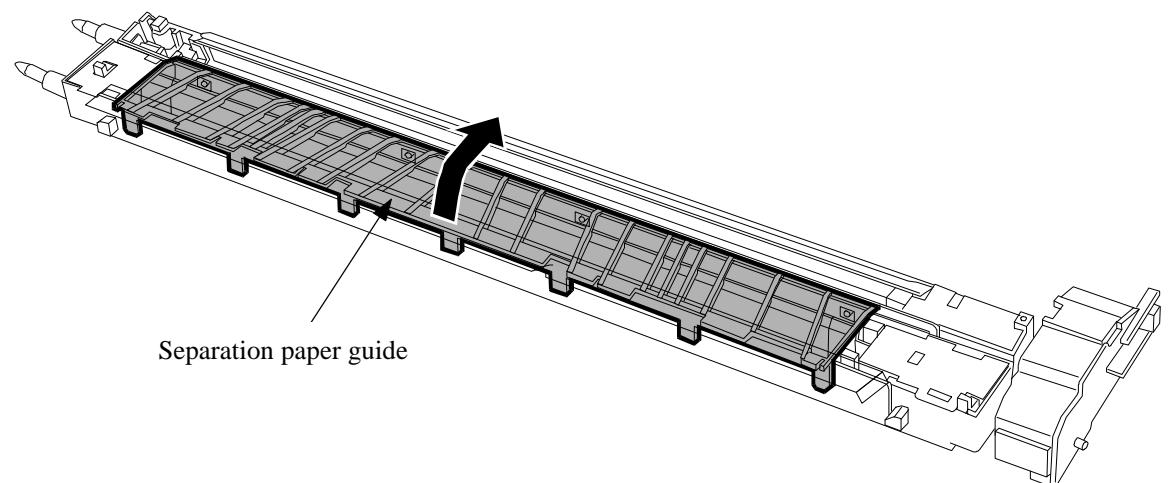


Figure 4

6) Clean the gray area indicated in the diagram (separation paper guide and shield plate) with lint-free paper moistened with alcohol to remove paper lint. Be sure to pay extra attention when cleaning the back of the separation paper guide.

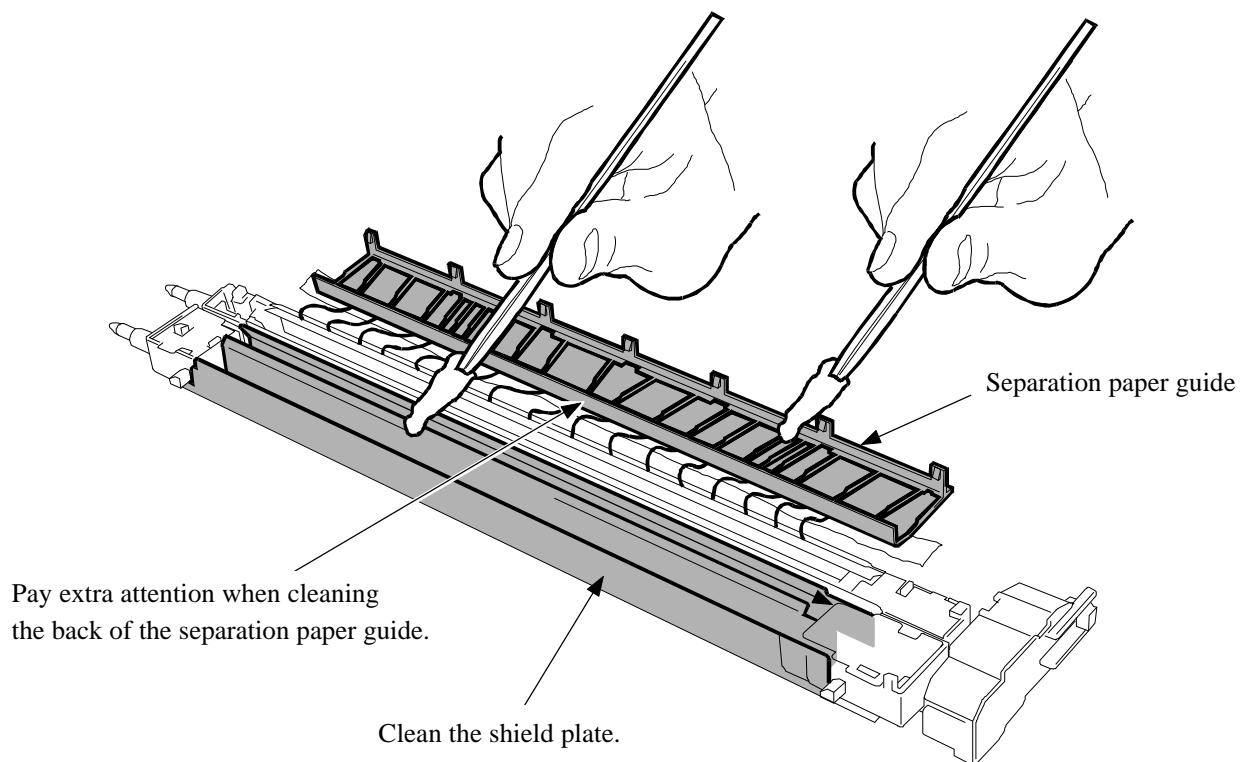


Figure 5

7) By reversing the steps used to disassemble the separation paper guide, mount it to the transfer/separation charging assembly.

8) Remove the tape.

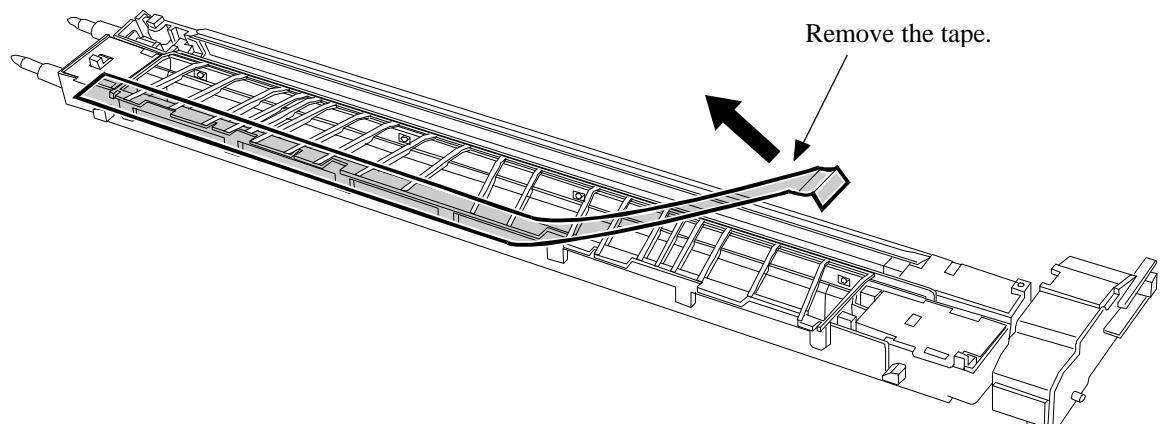


Figure 6

9) Remove the block cover, and check to make sure that the anti-vibration rubber is secured in place.

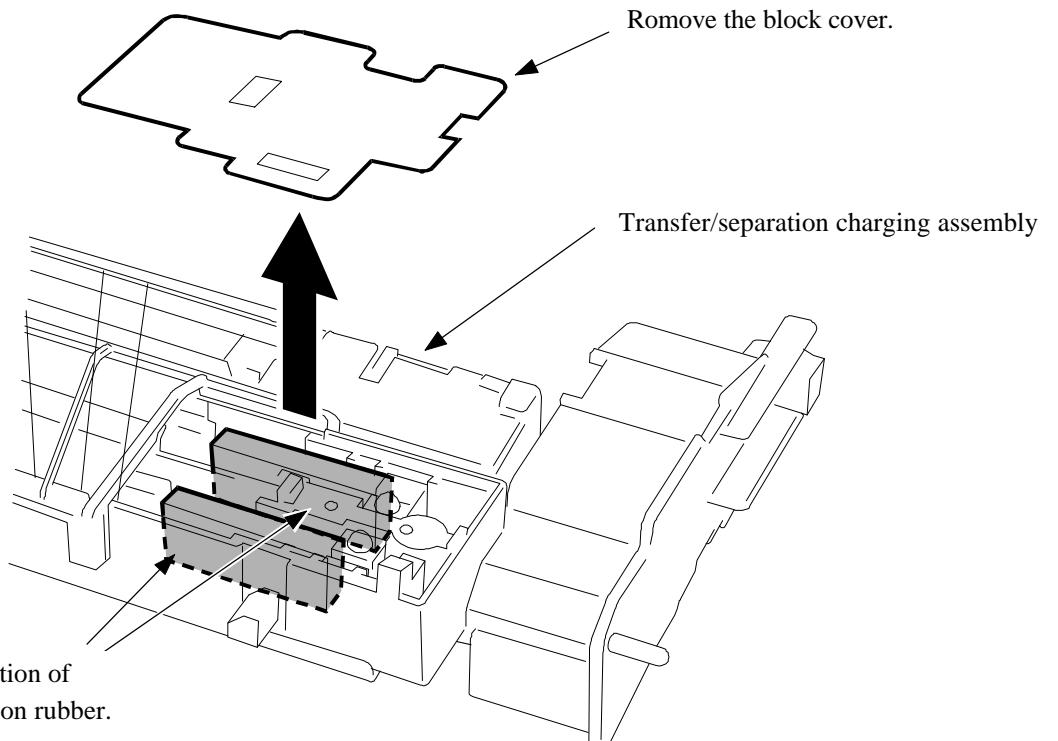


Figure 7

10) Mount the transfer/separation charging assembly to the machine.

11) If the user is not using thin paper (64 g or less), set separation current output correction control to low voltage mode by making the following selections in service mode: COPIER>OPTION>SP-MODE, i.e., turning on/off separation current output correction control; switch it from '0' (standard mode) to '1' (low voltage mode).

Note:

- Before switching the mode, be sure to clean the transfer/separation charging assembly as instructed above.
- Switching the mode can lower the level of separation performance (2nd side of thin, recycled paper). Run a test to see how the separation performance is affected under the site conditions in question.

Service Parts :

None.

Affected machines:

None.