Canon

Service Information

COPIER	
⊠HARDWARE	
SOFTWARE	

Model: GP605 **Ref. No.:** FF-T01-K1-000007-02

Date: March 29, 1999

REVISED | FF-T01-K1-000007-01(March 25, 1999): Correcting typographical errors, 0×2 on p.1

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(FY8-12DC-000)

SERVICE MANUAL (FY8-13FD-000) Location

Subject UPDATING THE IMAGE ADJUSTMENT BASIC PROCEDURE

: The steps used in the procedure have been updated to prevent darkening of image, possibly occurring Reason

when performing the "Image Adjustment Basic Procedure" found in the Service Manual (pp.13-3

through -5; (FY8-13FD-000).

(FY8-12DC-000)

Reference:

A digital copier is designed to perform the following to improve reproduction of images:

1. edge emphasis processing

2. density processing

As a result, images from a digital copier generally tend to appear darker than ones produced by an

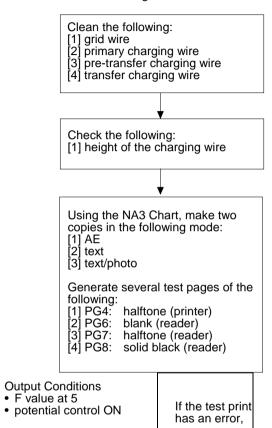
analog copier.

Details : For details, see the pages that follow.

A. Image Adjustment Basic Procedure

1 Making Pre-Checks

<Making Pre-Checks>



Go to

2 Checking the Printer Side (1/2)

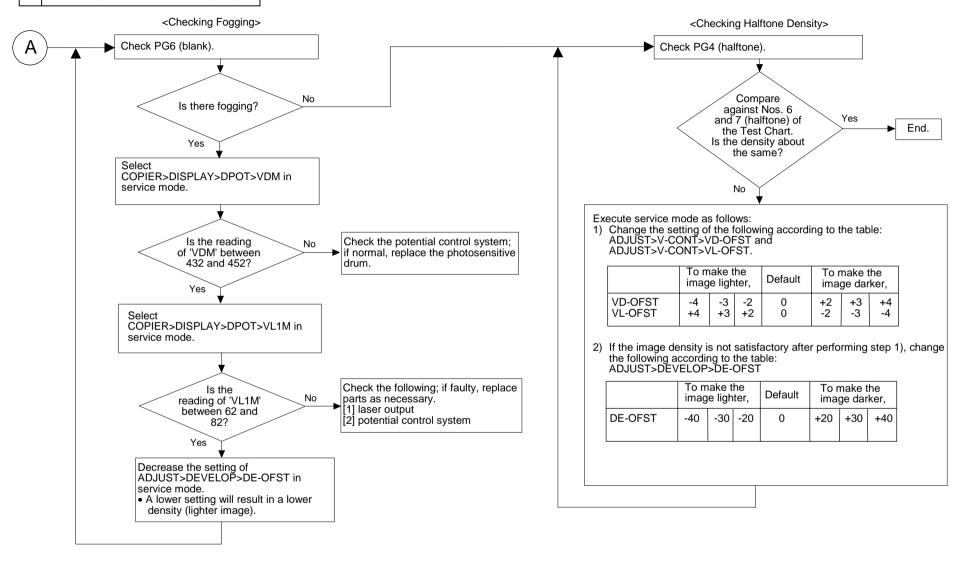
If only the copy image has a fault,

Go to

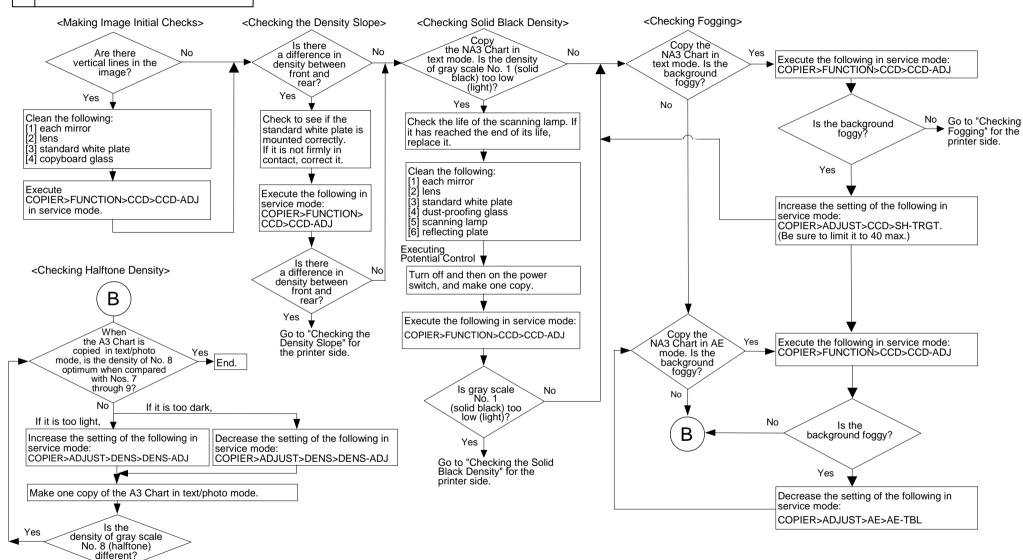
3 Checking the Scanner Side

Checking the Printer Side (1/2) <Checking the Image> • Use PG4, PG7, and PG8. <Checking the Density Slope> <Checking the Solid Black Density> Are there No vertical lines in Check the image using PG4. Check PG8 (solid black). the image? Yes Is there a Is the image Yes difference in No free of blurring and the Clean the following, and check them density between density optimum? for adhesion of foreign matter: front and [1] dust-proofing glass rear? [2] each charging assembly No Yes Select COPIER>DISPLAY>DPOT>VDM in service mode. No Is the rear side lighter? Are there No vertical lines in Check the primary charging system Is the reading of Yes the image? and the potential control system; if 'VDM' between normal, replace the photosensitive 432 and 452? Turn the adjusting screw at the Turn the adjusting screw at drum. Yes the front of the primary rear of the primary charging charging assembly assembly counterclockwise Yes counterclockwise (maximum (maximum of 2 turns). Select COPIER>DISPLAY>DPOT>VL1M in service mode. of 2 turns). Executina Potential Control Check the following; if faulty, replace Is the reading parts as needed: Turn off and then on the power switch, and of 'VL1M' between [1] laser output generate one test print using PG7 or PG4. 62 and 82? [2] potential control system Caution: Yes [1] If a difference in density remains after giving the adjusting screw 2 turns on one side (a single turn causes a change of about 0.7 mm), check the charging assembly, scanning lamp, and scanner for dirt. Yes Check the following of the Is the test print PG6 When turning the adjusting screw counterclockwise, be sure the developing assembly system: distance between the wire and the grid wire will not be less than (blank) foggy? [1] developing bias 7.5 mm. [2] coating of toner on the sleeve No Reference: Set the following to '2' through '7' in service mode: If the wire is moved away from the photosensitive drum, the image OPTION>BODY>CNT-W/HM density will increase; if it is moved to the drum, the density will • A higher setting will make the density higher (darker). decrease.

3 Checking the Printer Side (2/2)



4 Checking the Scanner Side



Go to "Checking the Halftone Density" for the printer side.