

MODEL: GP605 / 555 / 605P

SUBJECT: Prevention of Faint Copies

Details:

In certain circumstances copies can become faint these are:

1. High humidity and high temperature environments.
2. Low toner coverage combined with high volumes.

This can cause the toner around the developer sleeve to lose its charge and subsequently the document loses density.

This can be prevented by carrying out the following actions:

- 1, Adjusting the magnet position.
- 2, Adjusting the software.
- 1, Adjusting the magnet position.

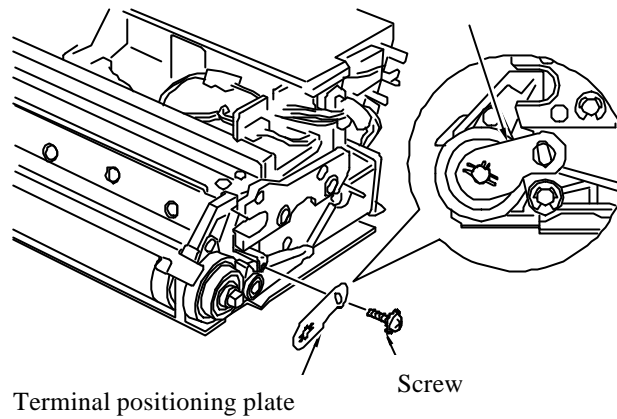
Adjust the magnet positioning plate by five degrees as shown. **All machines** should be checked and adjustments made, as necessary.

If the copy quality has already lost its density then this cure will have no effect as the toner on the developer roller has already lost its charge. This will have to be removed either by vacuuming or a long run of solid black copies. In extreme cases only a complete restart of the developer will suffice.

<Procedures of Field Measure for Light Image>

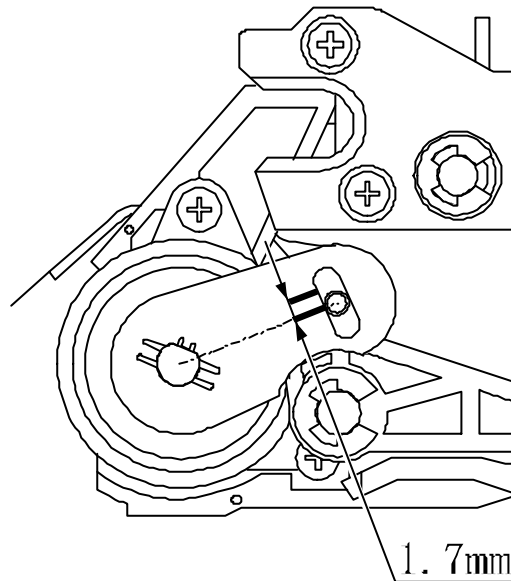
1. Remove the magnet positioning plate by first removing the retaining screw at the front side of the developing assembly.

Figure 1



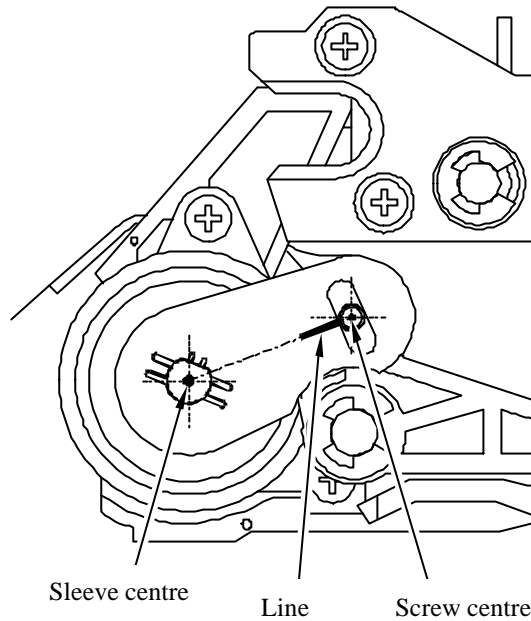
2. Mount the magnet positioning plate, as fitted, on the sleeve shaft.
3. While the magnet positioning plate stays without displacement as it is, draw a line as a guide on an assumed straight line connected between the center point of the sleeve and the screw.

Figure 2



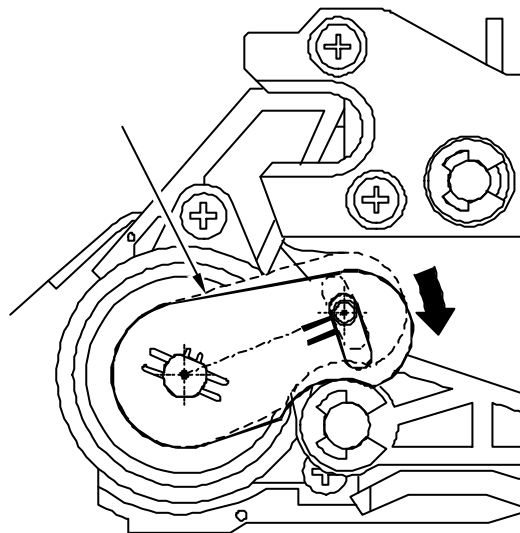
4. Draw a parallel line at 1.7mm above from the line drawn in Step 3.

Figure 3



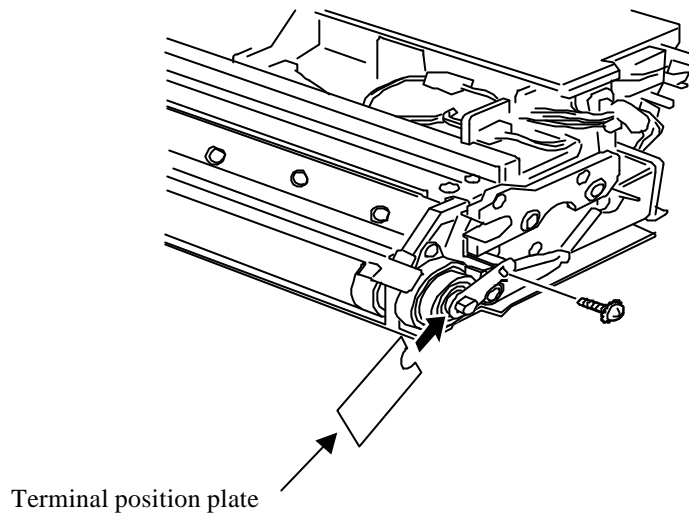
5. Turn the magnet positioning plate round clockwise with fingers until the line drawn in Step 4 comes to the screw centre. (Shift the magnetic pole by 5 degrees.)

Figure 4



6. Tighten the screw for preventing the position set in Step 5 from shifting.
7. When the magnet positioning plate is mounted, put approx. a-0.2-mm width spacer under the plate. Once the plate is successfully mounted, remove the spacer.

Figure 5



Adjustment of Service Mode.

The following adjustment will place a black band of toner on the drum every six sheets, it should be noted however that the toner consumption increases with this setting typically only 28k sheets @ 6% can be made as opposed to 33k sheets, this should be explained to the customer if necessary.

Enter service mode select COPIER>OPTION>BODY the fourth page is BK-BND.

- 0 Black band is not set up. (default)
- 1 1 black band sequence per 60 sheets.
- 2 1 black band sequence per 20 sheets.
- 3 1 black band sequence per 6 sheets.

In the Japanese domestic field setting 3 is being used.

Please report back to Product Coordination of any machines that do not recover after the above measures have been taken.