Canon

Service Information

COPIER

☒**HARDWARE**
☐**SOFTWARE**

Model: GP605 Series

Ref. No. : FF-T01-K1-000075-01
Date : February 22, 2001

Location: Fixing Assembly

Subject: Points to Note When Mounting the Main Thermistor Assembly

Reason: A gap, if any, between the main thermistor (TH1) and the fixing roller has so far been identified as one of the possible causes associated with the indication of 'E001' in the field. This bulletin provides points to note when mounting the main thermistor, thereby preventing the problem.

Details: <Symptom>
The main thermistor of the fixing assembly is designed to move back and forth (reciprocating movement). For this reason, if not mounted properly, the main thermistor will fail to come into contact with the fixing roller upon moving to the ends, causing the indication of 'E001'.

<Cause>
If the main thermistor (TH1) is not mounted properly, it will tend to rise off the fixing roller, causing the difference in the temperature readings of the main thermistor (TH1) and the sub thermistor (TH2) to be 50 for 1 sec or more, leading to the indication of 'E001'.
The main thermistor (TH1) is a periodically replaced part (possessing an approximate life of 500,000 copies), and it is important to make sure that it is properly mounted after replacement/cleaning work in the field.

<Field Measures>
Observe the points to note provided herein whenever replacing/cleaning the main thermistor.

<Factory Measures>
None in particular. (The main thermistors are mounted using the latest procedure.)

Servicing Work:

Points to Note When Replacing/Cleaning the Main Thermistor

Note: For basic steps to follow when removing/mounting the main thermistor, see p. 8-35 of the GP605/605V Service Manual (FY8-13FD-010).

1) Before mounting the main thermistor (TH1; FH7-7463) to the machine, fit the tie-wrap in such a way that the black marking on the cable cover is to its right when viewed as in Figure 1 with the cable cover butted against the tape.
   The tie-wrap serves as a very important point of reference when mounting the main thermistor.
   In the future, the main thermistor will not be made available as a service part on its own (i.e., as FH7-7463); instead, it will be available equipped with a tie-wrap (as FG6-8798). The use of a main thermistor equipped with a tie-wrap will eliminate the need to perform step 1).

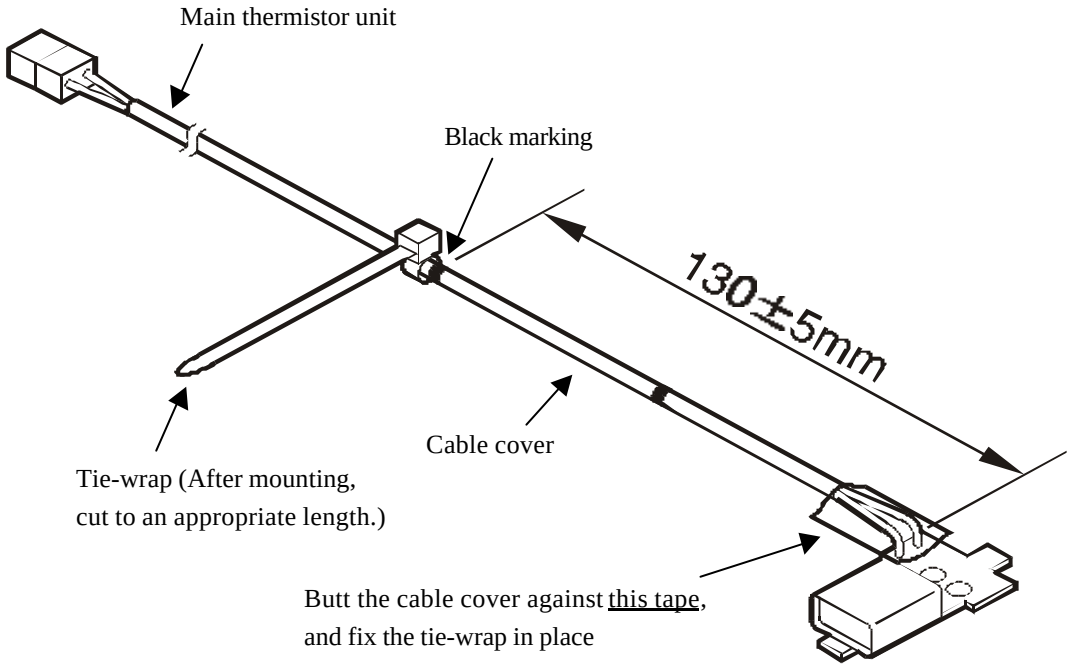


Figure 1

2) Fit the main thermistor to the thermistor base, taking care when routing the cable.
   See steps 3) through 6).

3) Keep the harness fixing block bent at 90° in relation to the main sensor assembly; while keeping the block as such, perform steps 4) and 5) to secure the harness in place (2 locations).

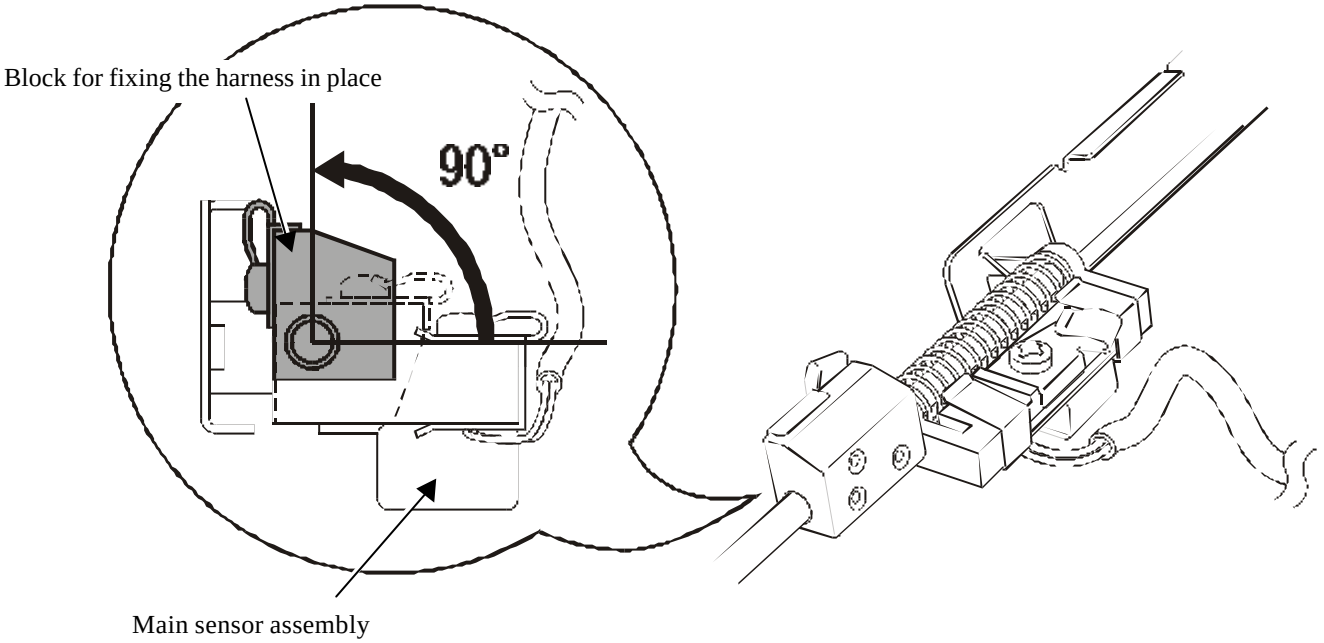


Figure 2

4) Fix the cable in place using the cable retainer so that the black line on the cable cover is as indicated.

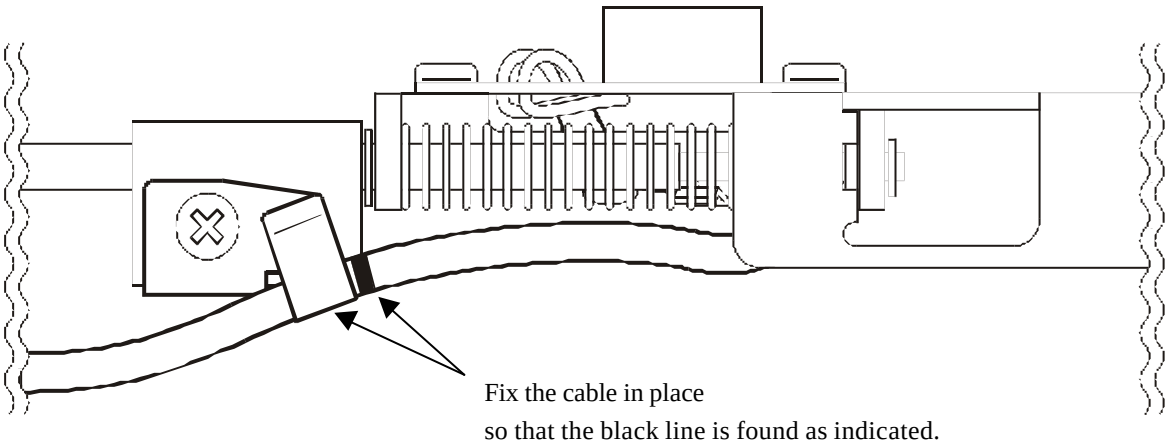


Figure 3

5) Fix the cable in place using the other cable retainer, making sure the that cable cover (cable) is not slack or twisted.

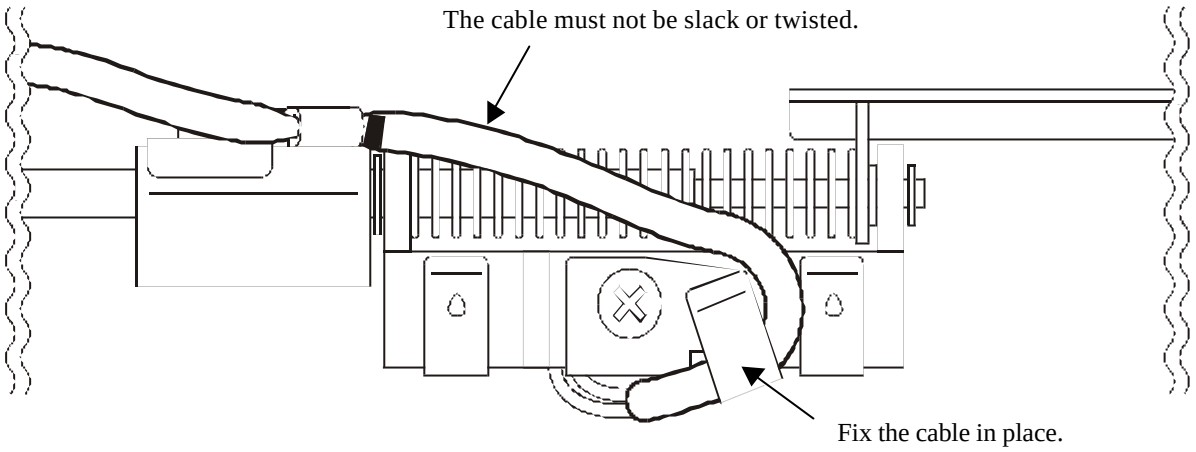


Figure 4

6) Check to make sure that the cable cover and the tape are found as indicated (i.e., the harness inside is out of view).

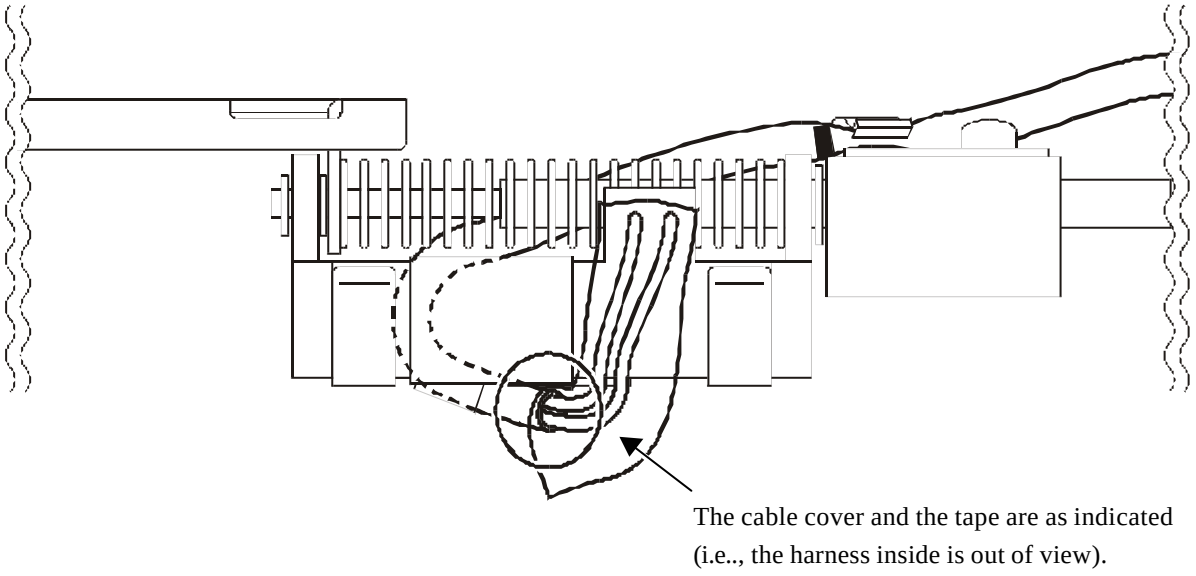
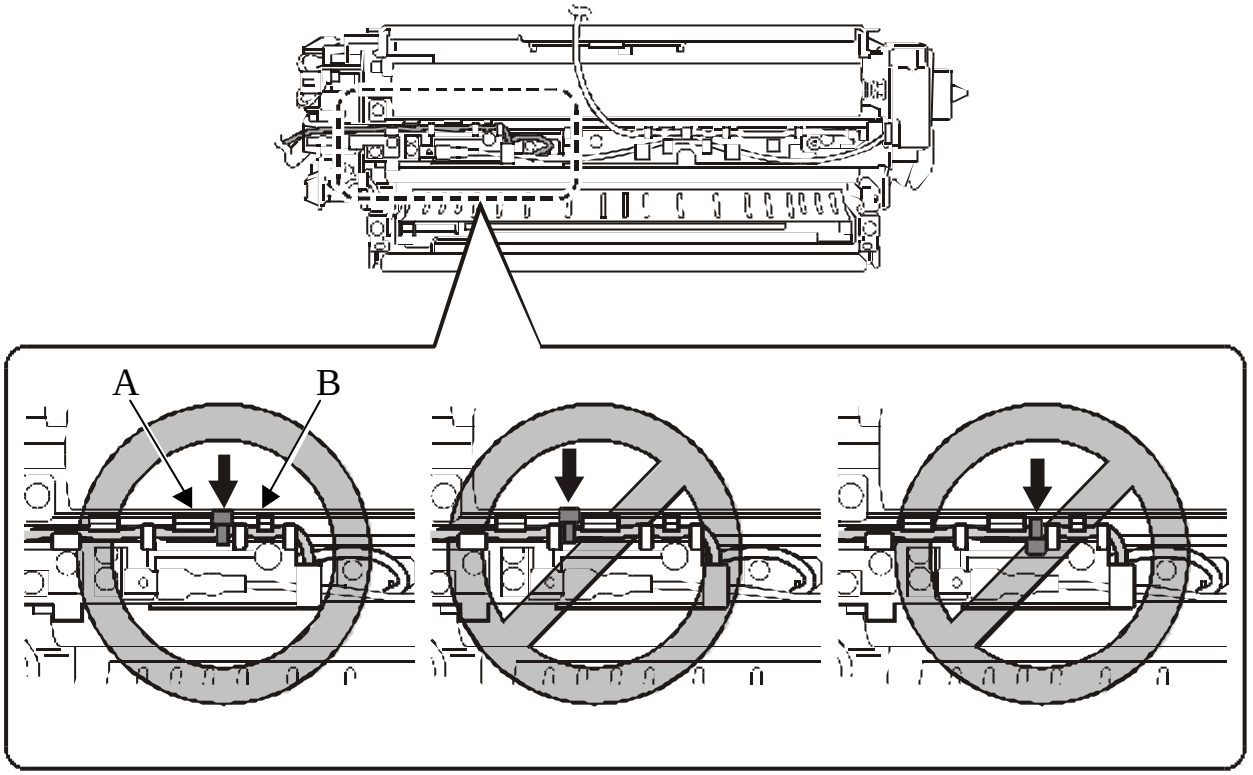


Figure 5

7) Mount the main thermistor to the fixing assembly. At this time, make sure that the tie-wrap is between claws A and B.
If the tie-wrap is not found between claws A and B, or if its top does not face up, go over the previous steps to correct its position (orientation).
The tie-wrap serves as a stopper (butting against claw A).



OK

NG: The location of the tie-wrap is wrong.

NG: The head of the tie-wrap is at the bottom.

Figure 6

8) Turn the gear found in the left rear of the fixing assembly toward the rear, and check to make sure that the main thermistor is correctly in contact with the fixing roller when it is moved to the left and the right.

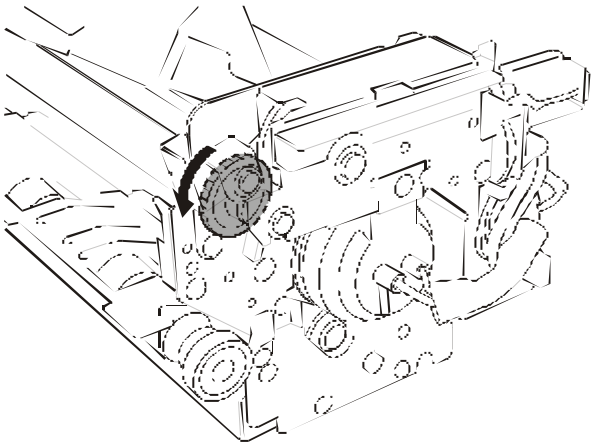


Figure 7

9) Relationship Between the Fixing Roller and the Main Thermistor

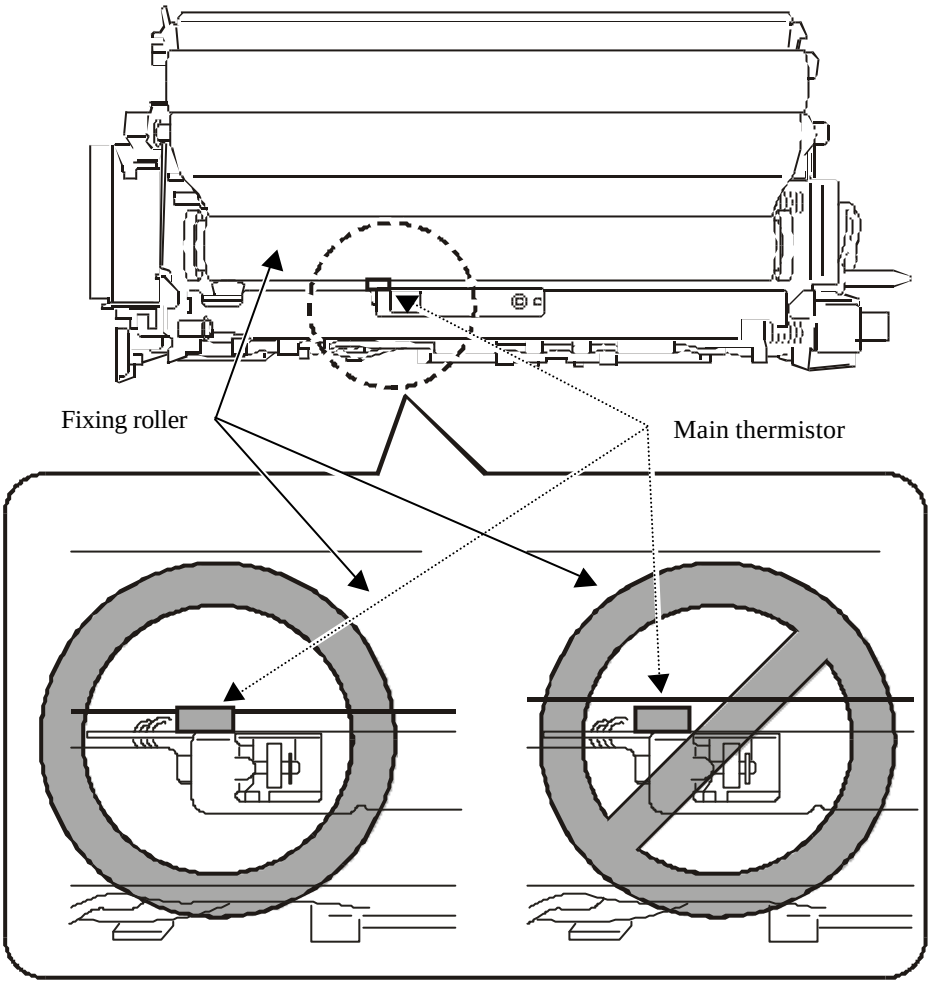


Figure 8

Service Parts:

No.	Description		Part number	Q'ty	Stock	Inter-change-ability	P.C. Stock date
1	Old	MAIN THERMISTOR ASSEMBLY	FH7-7463-000	1→0	C	No Yes	870-72
	New	MAIN THERMISTOR ASSEMBLY	FG6-8793-000	0→1	D		

Affected Machines:

None.