

SB Number:	SB 2C9-020	Creation Date: 28/02/2005
Subject:	Adjusting height at front side of fixing section	
Model:	KM-1620 / 2020	

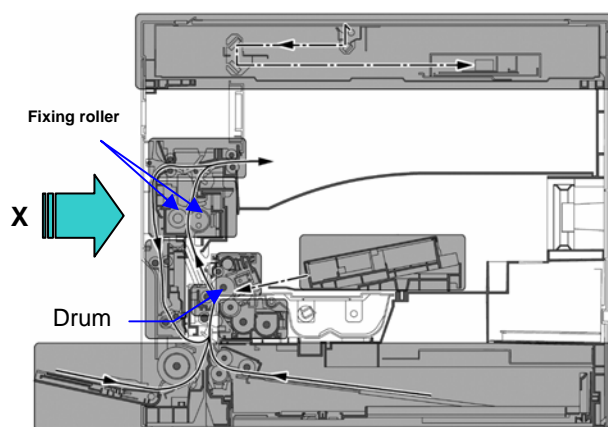
Phenomenon & Cause

If there is unevenness in the quality of parts and the position of the drum and fixing roller is not parallel, the copied paper may not enter the fixing section in a straight manner. As a result, the image on the trailing edge may become longer than usual.

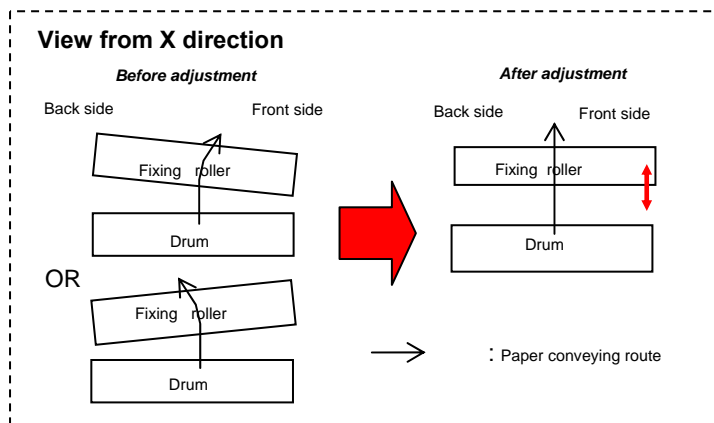
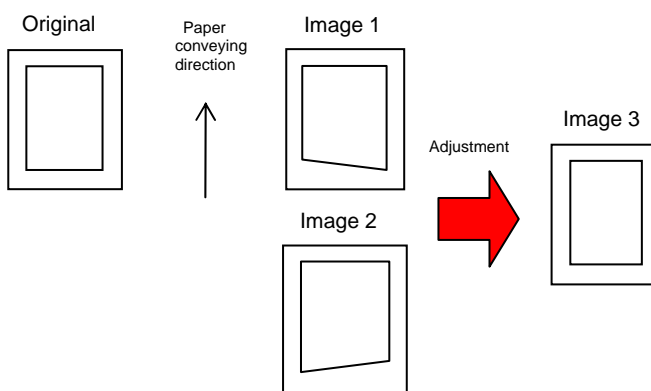
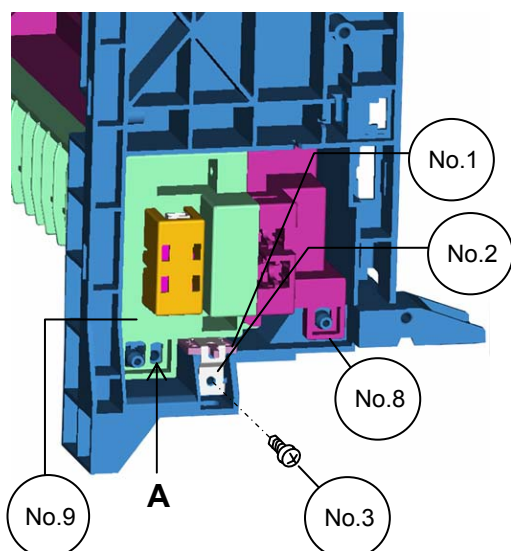
Measure

In order to stabilize the paper conveying performance, a mechanism for adjusting the height of fixing unit has been added: see below.

Height adjustment method



Front side of fixing section



Height adjustment mechanisms at front side of fixing section:

By moving 'SPACER' (No.1) to the front and back side of machine, it is possible to adjust the position of the front side of fixing unit upward or downward. ($\pm 0.5\text{mm}$). When adjusting the height of the fixing unit, please loosen the **retaining screw (A)** and remove the **screw (No.3)** and '**STOPPER**' (No.2).

After that, move the '**SPACER**' (No.1) to the front and back side of machine. By changing the steps of the '**SPACER**' (No.1) where '**LEFT GUIDE FUSER**' (No.9) is mounted, the position of the front side of fixing unit goes up and down by 0.5mm at every step. (For more details, please refer to page 3)

CONTENTS OF CHANGES

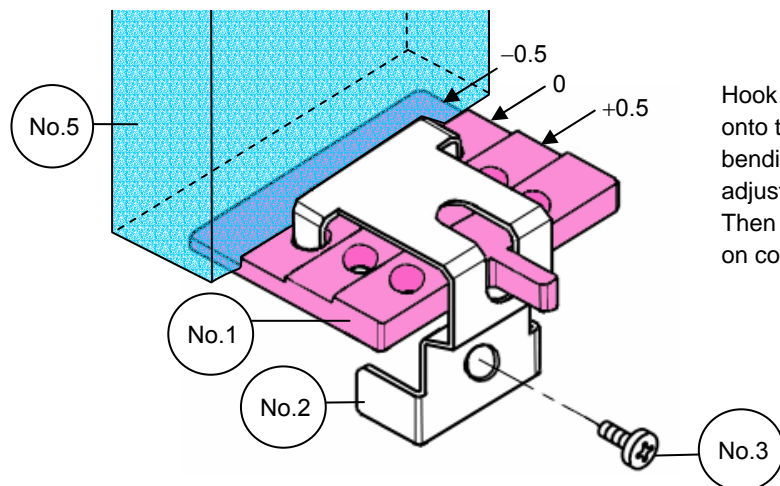
1) The adjustment mechanisms (No.1 to No.3) have been added to place the fixing roller properly in parallel position and to simplify the right angle adjustment in production line. With the adjustment mechanisms the height of the front side of fixing section can be raised in steps of 0.5 mm.

The adjustment value ($-0.5/0/+0.5\text{mm}$) varies depending on the machine. This has been set in the production lines. A marking has been added in production lines at the position of the adjusted step.

2) In order to be able to add the adjustment mechanisms, the dimension of hole in '**RIGHT GUIDE FUSER**' (No.5) and '**LEFT GUIDE FUSER**' (No.6) has been changed.

3) In order to add the adjustment mechanisms, a boss that receives the retaining screw for '**STOPPER**' (No.2) to copier base has been added.

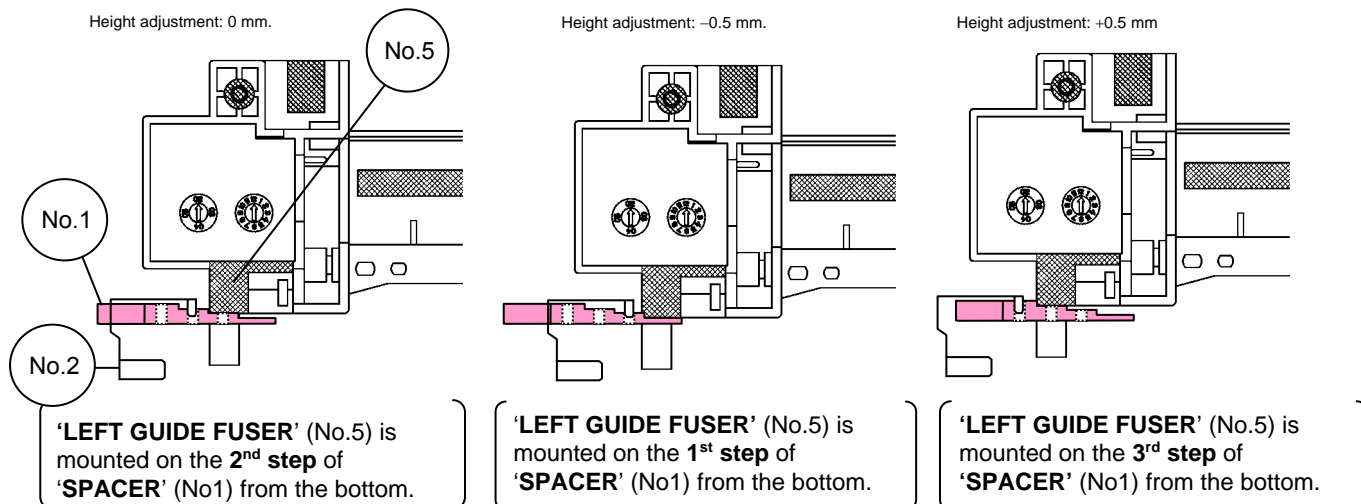
The way of attachment for No.1 to No.3 (the below picture shows the condition that height adjustment is '-0.5 mm')



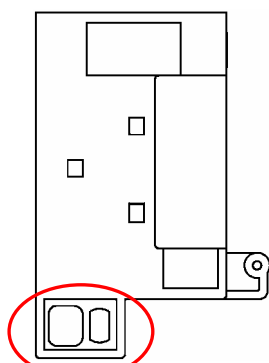
Hook the bulge part of the '**SPACER**' (No.1) onto the hole of '**STOPPER**' (No.2) and fit the bending part of '**STOPPER**' in the hole on adjustment step of '**SPACER**' for fixation. Then fix the '**STOPPER**' (No.2) to the boss on copier base with screw (No.3).

Height adjustment mechanisms at the front side of fixing section

(The below picture shows the fixing front side viewed from the left side of machine)



New '**LEFT GUIDE FUSER**' (No.5)

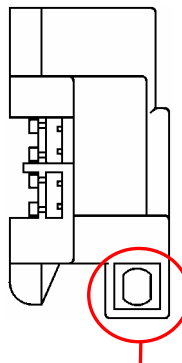


The dimension of holes have been changed so that the upward adjustment can be made.

Left hole **OLD** Ø 8 x 6.03 mm. → **NEW** Ø 9.5 x 8 mm.

Right hole **OLD** Ø 4.5 mm → **NEW** Ø 8 mm.

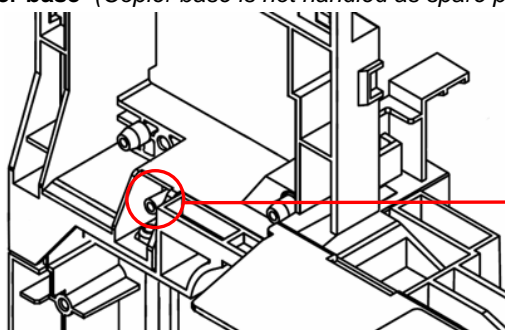
New '**RIGHT GUIDE FUSER**' (No.6)



The dimension of hole has been changed so that the upward adjustment can be made.

OLD: Ø 6.3 mm. → **NEW** Ø 8 mm.

New copier base (Copier base is not handled as spare parts for field service.)



this boss added that receives the retaining screw (No.3) for 'STOPPER'.

Field Measure

When removing the fixing section on a new machine that has undergone the earlier mentioned changes, please remove the adjustment mechanisms (No.1 to No.3) first. (If the adjustment mechanisms are still attached, the 'SPACER' (No.1) may come in contact with the fixing section and then it is not possible to pull out and insert the fixing unit.

After inserting the new fixing section, please mount the 'LEFT GUIDE FUSER' (No.5) to the step of the 'SPACER' (No.1) with the marking and fasten the retaining screw (A) for fixing unit. Also, fit the bending part of 'STOPPER' (No.2) into the hole on the position with the marking. After that, fix the 'STOPPER' (No.2) to the copier base with the screw (No.3).

If old copier base is used, it is not possible to attach the adjustment mechanisms (No.1 to No.3).

Parts Table

No.	Part No. OLD	Part No. NEW	Description	Q'ty		Interchangeability		Remarks
				Old	New			
1	-----	302DA20010 2DA20010	SPACER FUSER UNIT	-	1	-	X	
2	-----	302DA20020 2DA20020	STOPPER FUSER UNIT	-	1	-	X	
3	-----	B3313080	BINDING TAP-TITE SCREW M3X08	-	1	-	X	Retaining screw for No.2
4	2C993060	302C993061 2C993061	PARTS,FK-410(E),SP	1	1	X	O	
5	2C920010	302C920011 2C920011	+RIGHT FRAME FUSER	1	1	X	O	
6	2C920020	302C920021 2C920021	+LEFT FRAME FUSER	1	1	X	O	

Affected Machine Serial Numbers:

KM-1620: H3075892 and later

KM-2020: V3012358 and later