

SB Number:	SB DP-003	Creation Date: 25/02/2005
Subject:	Image distortion on leading edge of paper	
Model:	DP-410	

DP-410: Document processor for KM-1620/2020/1650/2050/2550

Phenomena & Cause

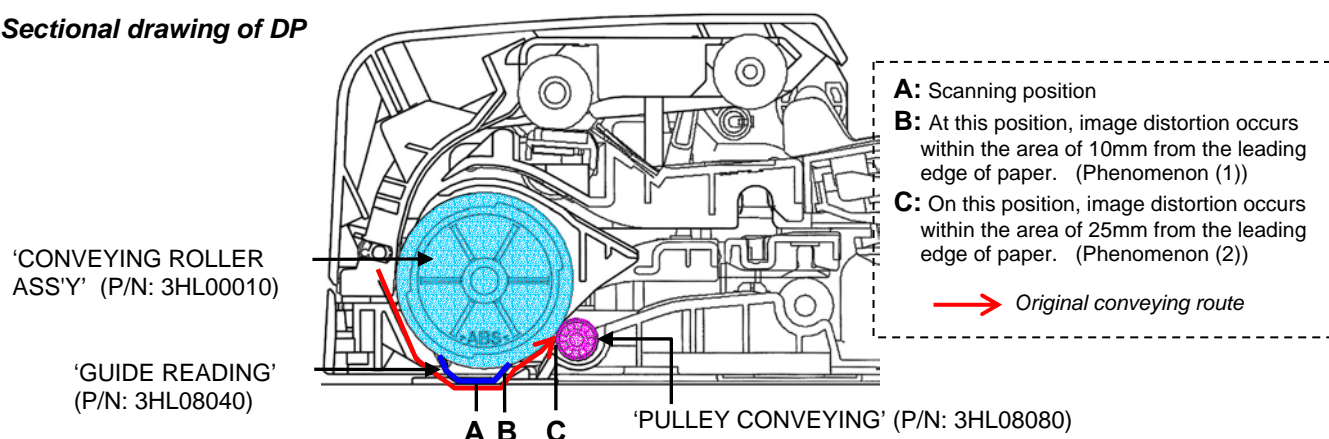
- 1) Image distortion may occur within the area of 10 mm. from the leading edge of paper.
 - When the original goes into the scanning section, the leading edge of the paper may hit the 'GUIDE READING'. Due to this vibration, image distortion may occur on the already scanned part (= within the area of 10 mm, from the leading edge).
 - 2) Image distortion may occur within the area of 25 mm. from the leading edge of paper.
 - When the original goes into the scanning section, due to the shocks from the 'CONVEYING ROLLER ASS'Y' and 'PULLEY CONVEYING', image distortion may occur on the already scanned part (= within the area of 25 mm. from the leading edge).
- Especially when using thick paper, vibration / shocks may increase and the above 2 phenomenon may occur easily.

Countermeasure

The extent of image distortion on the leading edge of paper has been reduced as follows.

- 1) By sticking 2 sheets of 'FILM GUIDE READING' to the 'GUIDE READING', the paper conveying performance has been made more smooth and any vibrations / shocks occurring when the leading edge of the paper hits the section have been reduced.
- 2) By adding 2 pieces of 'GUIDE PULLEY' to the position just in front of the center of the 'CONVEYING ROLLER ASS'Y' and 'PULLEY CONVEYING', the shock from 'CONVEYING ROLLER ASS'Y' and 'PULLEY CONVEYING' has been reduced.

Sectional drawing of DP



Field Action

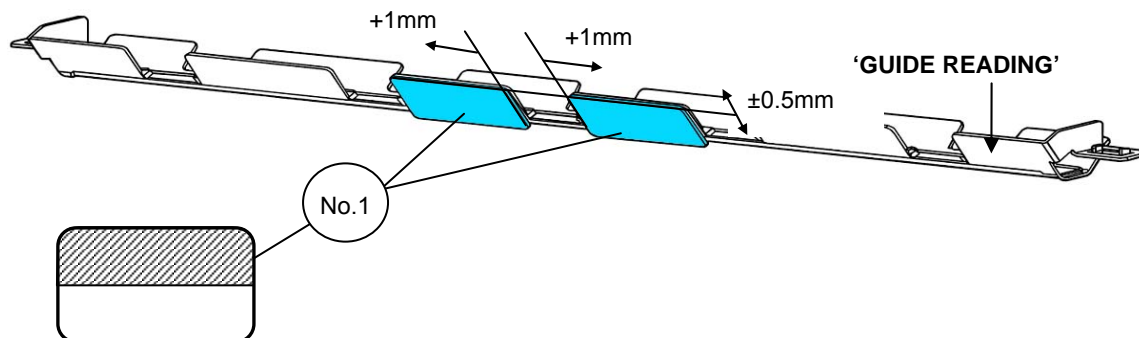
If the phenomena should arise, please add No.1 and No.2 new parts (see page 2 for attachment procedure).

No	Part No. OLD	Part No. NEW	Description	Q'ty		Interchange ability	
				Old	New		
1	-----	303HL08330 3HL08330	FILM GUIDE READING	-	2	-	O
2	-----	303HL08340 3HL08340	GUIDE PULLEY	-	2	-	O

Affected Machine Serial Numbers:

DP-410: L3033127 and later

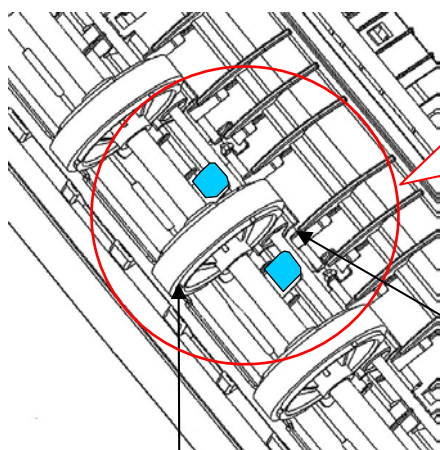
Standard for attachment of 'FILM GUIDE READING'



20.5 x 35.5 mm., t=0.1mm
(the shaded area = double-sided tape. : 10 x 35.5 mm.

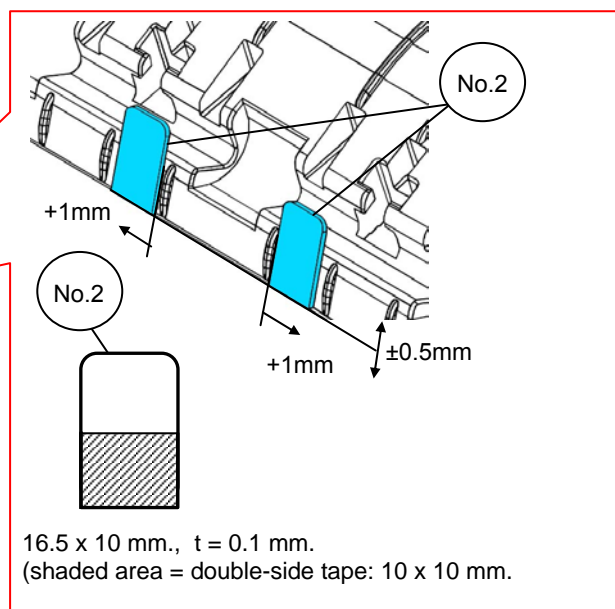
Standard for attachment of 'GUIDE PULLEY'

Attach the 'GUIDE PULLEY' to the base of the center of 'CONVEYING ROLLER ASS'Y' and 'PULLEY CONVEYING'.



'CONVEYING ROLLER ASS'Y'

'PULLEY CONVEYING'



16.5 x 10 mm., t = 0.1 mm.
(shaded area = double-side tape: 10 x 10 mm.



The left photo shows the condition when 'GUIDE READING' is removed.

The position where 'GUIDE PULLEY' is attached.