

SB Number:	SB DP-004	Creation Date: 29/09/2005
Subject:	Paper jam (J74) on original conveying section	
Model:	DP-410	

Phenomenon

The SOLENOID, PRESSURE PULLEY (SPP) can be turned off when forcefully opening or closing the Duplex Unit, releasing the nip pressure for LOOP PULLEY. If this happens, the document original is not fed again at the switchback process for duplex copying, and paper JAM (J74) will occur. Jam J74 is incorrectly displayed as there is no actual paper jam.

Cause

To successfully perform a copying process in duplex mode, the SPP must be in ON status when first initiating the copying process. After the original document first passes through the conveying section, SPP is automatically switched to OFF status after which HOLDER LOOP PULLEY and LOOP PULLEY move downwards and the original document will be fed back into the DP.

Given that the Plunger Section on SPP has the natural tendency to be in OFF status, a sudden shocking movement of the DP might cause it to change from its regular ON status to OFF status. If copying in Duplex mode is initiated with SPP status OFF, a J74 error will be given because the paper is (incorrectly) not recognized after it's first pass through the conveying section.

Measures

To prevent the SPP from being turned off by accident, add a SPRING LOOP to plunger section.

No.	Old Parts No.	New Parts No.	Description	Q'ty		Interchangeability		SP	Remarks
				Old	New				
1	-----	303HL10200 3HL10200	SPRING LOOP	-	1	-	O	O	

Field Measure:

If the problem arises, please remove plunger section from SPP, place SPRING LOOP (No.1) and re-attach the plunger section to the SPP.

Affected Machine Serial Numbers:

L3092611 to L3092945, L3093546 and higher.

(There is a possibility that SPRING LOOP might be introduced to the machine with the lower serial number than mentioned above. To distinguish the machine that SPRING LOOP has already been added, please stick a yellow label to the 'Remark' section on the outer carton.

Solenoid "OFF" → Release the nip pressure to LOOP PULLEY
Solenoid "ON" → Give the nip pressure of LOOP PULLEY

