Process improvement for UCOS feeder.

5:19 PM

Important Technical Information

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RSPL	Recently added	
	Lock-Parts, Rollers-Catches-Bracket	
	Fuser-Drive Assy, p/n: 45192101	
	RSPL	
Troubleshooting	Envelope Jamming, misfeeding	
	Spring Pinch Damage	

Specifications

Wednesday, March 4, 2020 8:45 AM

Firmware

Friday, November 2, 2018 11:10 AM

■Purpose

To improve conveyance precision of a sheet/envelope.

■Changes contents

・Change FW of Feeder

Old : v1.06

New : v1.07

・There is no limitation of combinations with the Printer FW.

・Improvement

In the specific paper size*, conveyance precision of a sheet is improved.
This is because of the following reasons.

v1.06 A sheet is stopped forcibly by the retard roller brakes.

v1.07 A sheet is stopped controllably at the accurate position.

*The specific paper size is 109~124 mm. (For example: DL / A2 Envelope / A6 Envelope / C6)

■Evaluation result

・There is no problem in the sheet feeding margin affected with feeding force and sheet interval.
(RT,LL,HH)

・There is no problem in the sheet feeding test.

RT: COM10 / DL / A2 / A6 / 9×12 / 10×13
HH: COM10 / A6
LL: COM10 / DL

■Schedule

It is applied from 2017/6 production.
No plans to update shipped production units and the maintenance circuit board.

General Recommendations

Friday, February 28, 2020 2:40 PM

1. During feeder setup, please pay close attention to the following
    a. Feeder height and level
    b. Media settings (Media Type and weight (if applicable)
2. During normal Operation
    a. Never grab feeder by the front or back arm when attaching or unattaining to printer
    b. Never operate Feeder with feeding tray in its highest position (unattached to printer)
    c. Never apply excessive force when actuating the Prepared Lever
    d. Always get envelopes ready on feed tray before actuating the Prepared Lever
3. During Troubleshooting
    a. Verify C9 Printer and MPT normal operation before troubleshooting
    b. Verify feeder setup; Check floor flatness/level and verify feeder level and height before troubleshooting
    c. Make sure media settings are suitable for the type of envelopes used and make sure these settings do not exceed feeder feeding speed.
4. For Maintenance
    a. Perform periodic maintenance according, always follow User's Manual instructions.
    b. If necessary, adopt a maintenance schedule based on production levels.

Resources

Friday, September 07, 2018 6:36 PM

User's Manual
https://www.oki.com/us/printing/support/user-manual/index.html
Maintenance Manual
Disassembly for maintenance
RSPL

BPX
OKIDOC:
OKIDOC 92928, Fuser Drive Motor

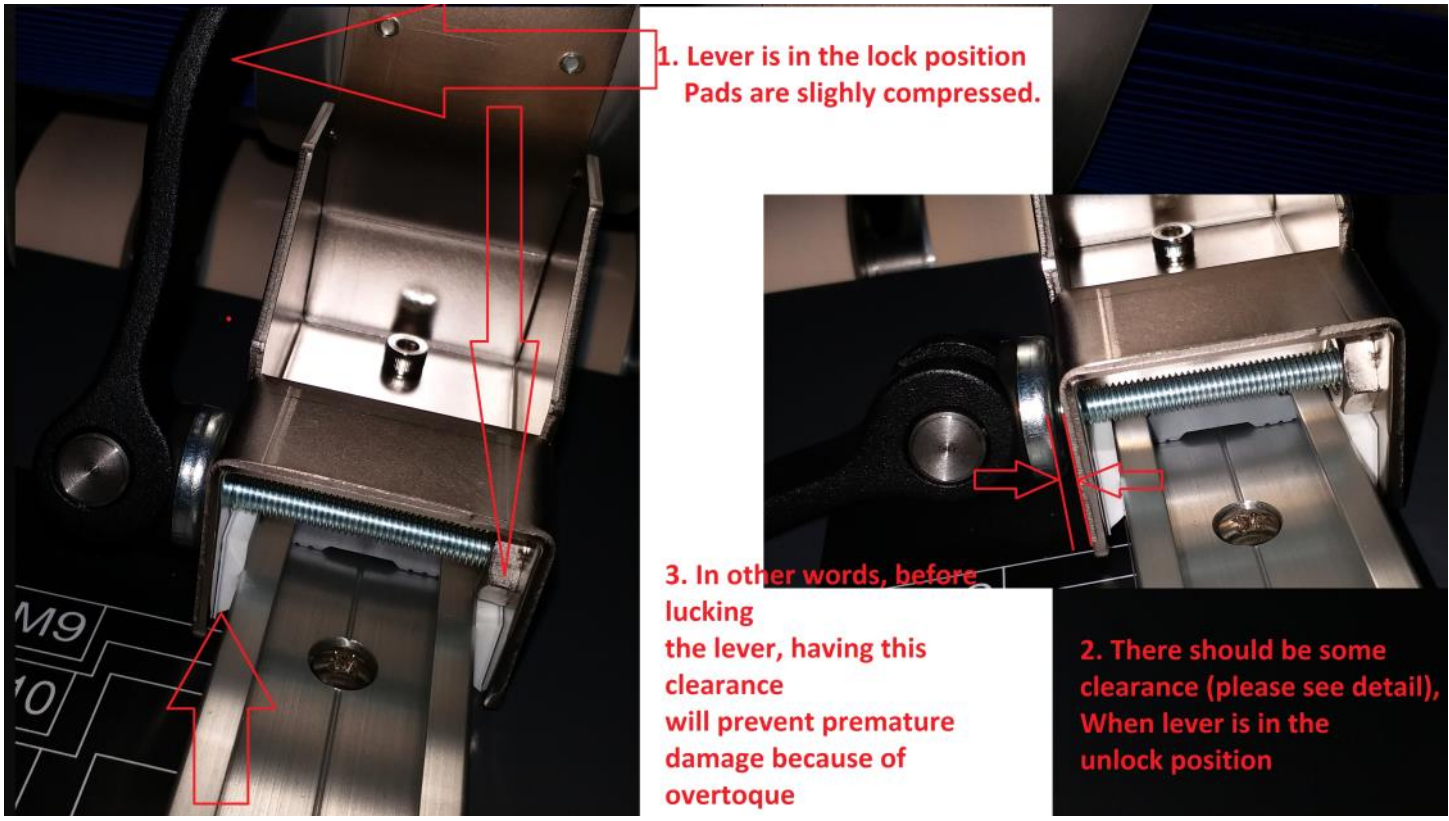
Videos

Wedge Lever Damage

Friday, September 07, 2018 6:36 PM

Lever in lock position insure the white rubber pads make good contact with the rail and sufficient friction holds the wedge in place at all times.
Lever torque and Clamping force can be adjusted depending on the distance from the lever metal spacer to the bracket (C-shaped section). If lever is screwed too far in, then the clamping force may become excessive.

Problem:
-There is no mechanical stopper or limit on the distance with respect to its mounting bracket. If lever is screwed too far in (no gap), an excessive force has to be applied in order to lock it, but this compresses the pads, eventually the white rubber pads may break apart.



WARNING

There is potential of permanent damage to Wedge Lever mechanism if lever distance is not properly set.

Feed Belts Damage

Friday, September 07, 2018 6:44 PM

When feeder is not attached to printer, the platen is pulled to the highest point by the spring mechanism. This causes the feed belts to get in contact with the edge of the plate. The edge of the plate rubs on the feed belts when envelopes are fed as per the setup procedure. This wears down the belts surface prematurely. The production feeder comes with different belts, but there is potential of premature damage too.

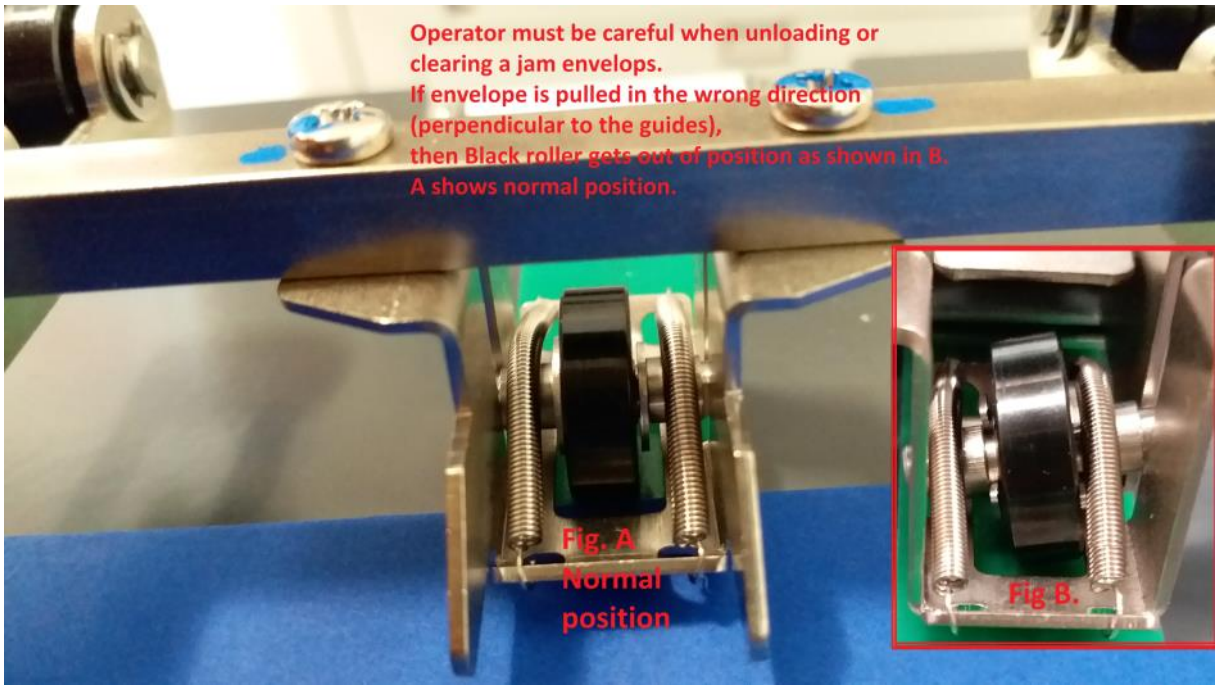
WARNING

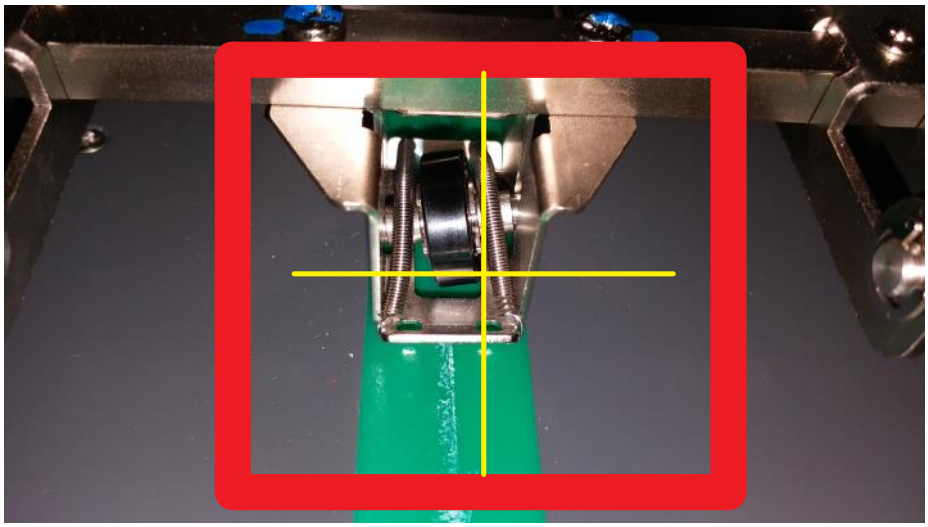
In order to test feeder functionality, never operate feeder with feeding table at its highest position. Also, setup Procedure described in the handbook applies to the old style feeder.

Discharge Belt Damage

Friday, September 07, 2018 6:38 PM

- Roller get out of position when envelopes are not removed in the feeding direction. This roller then stops rotating freely and starts rubbing on the discharge belt (green belt on the platen).





Warning

After pinch roller is dislodged, roller will not roll flat on the discharge belt. Permanente damage to both pinch roller and discharge belt will happen if feeder is run under this condition. Correct pinch roller to its normal position immediately.

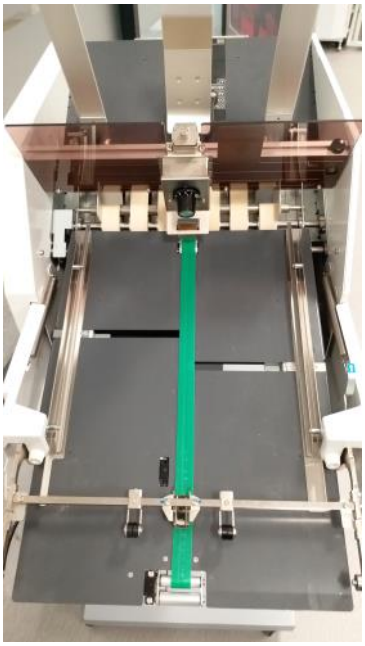
See Spring-Pinch tab for additional information

Paper Guides Mechanical Alignment

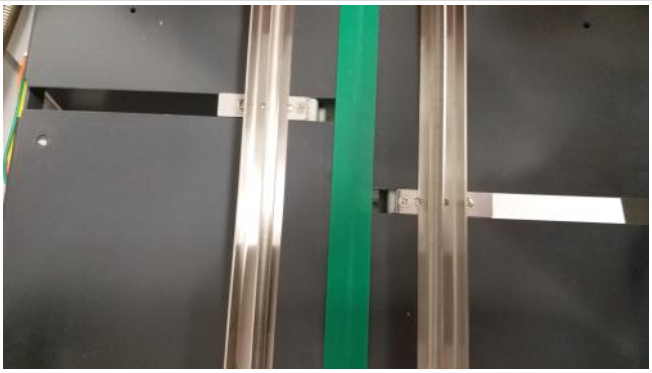
Monday, January 21, 2019 3:42 PM

Print Start position can be re-aligned in the X Direction by realigning the paper guides mechanical position.
The paper guides mechanical position affects not only the envelope feeding position with respect to the MPTray, but the distance of separation of the two guides. Mechanical position alignment range is 1/8" total.

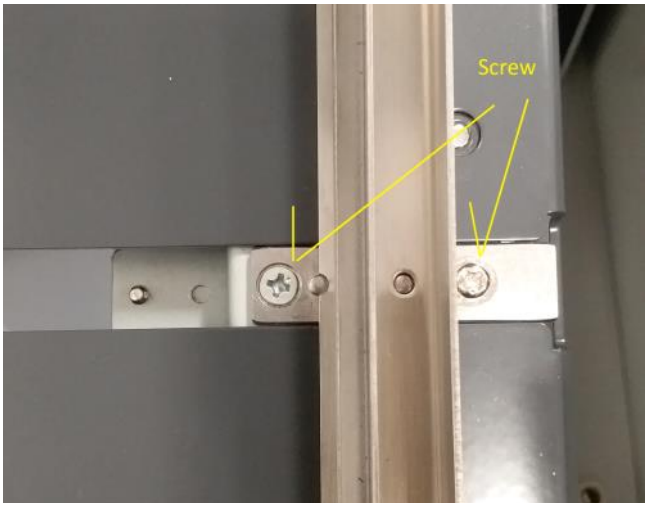
Paper Guides set to match Com#10 width.
Note: See Operators Manual for details

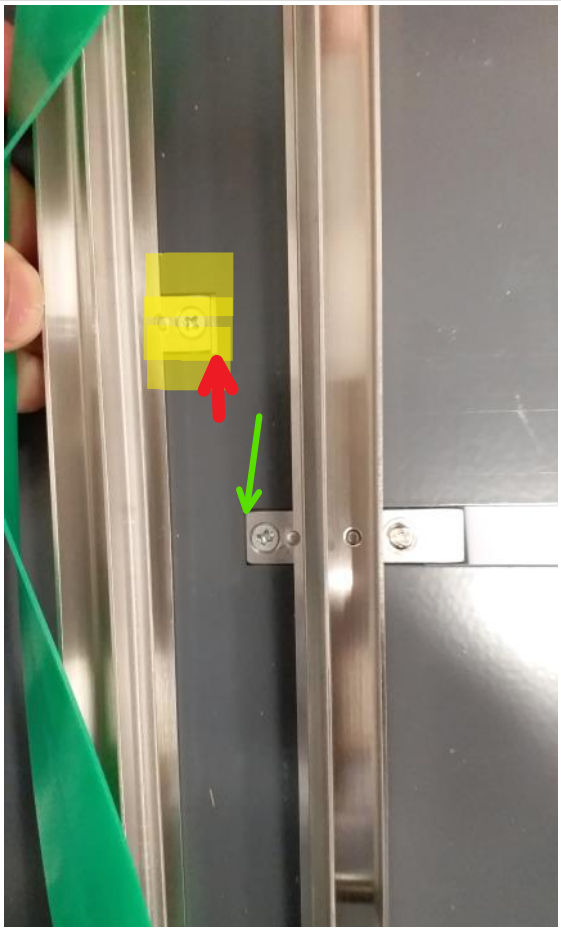


Envelope Feeder Table, Showing paper guides in full width position.
Font guide is on the RHS, Back Guide is on the LHS

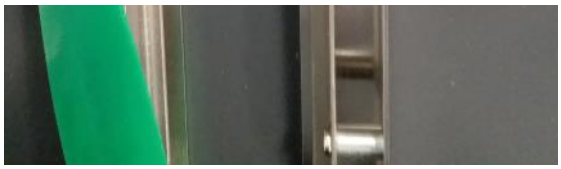


Top view of the table, Paper guides near the center position

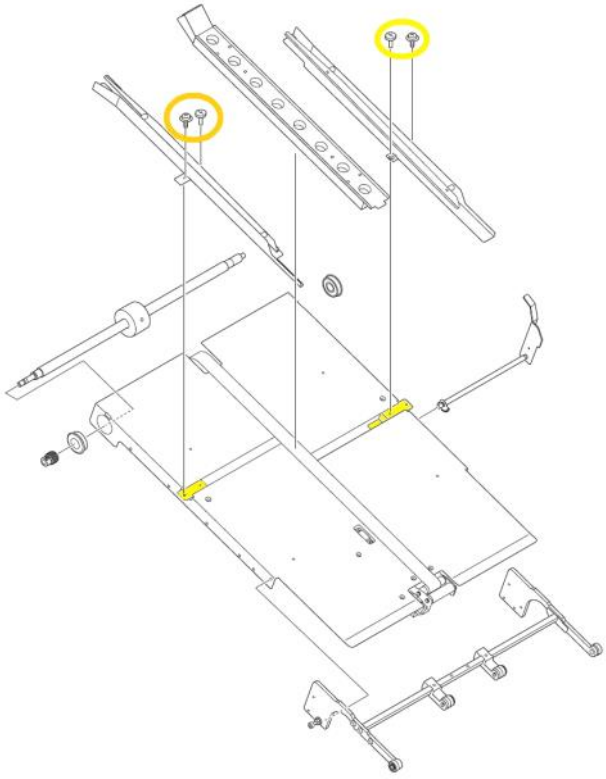




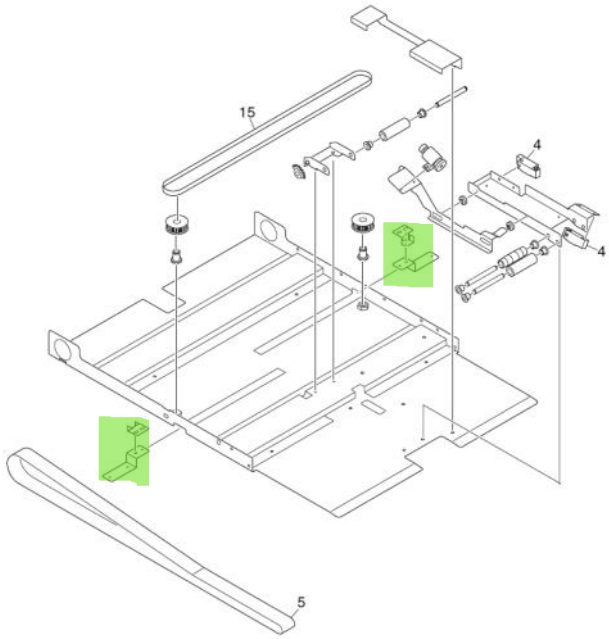
Paper Guide is attached to slider



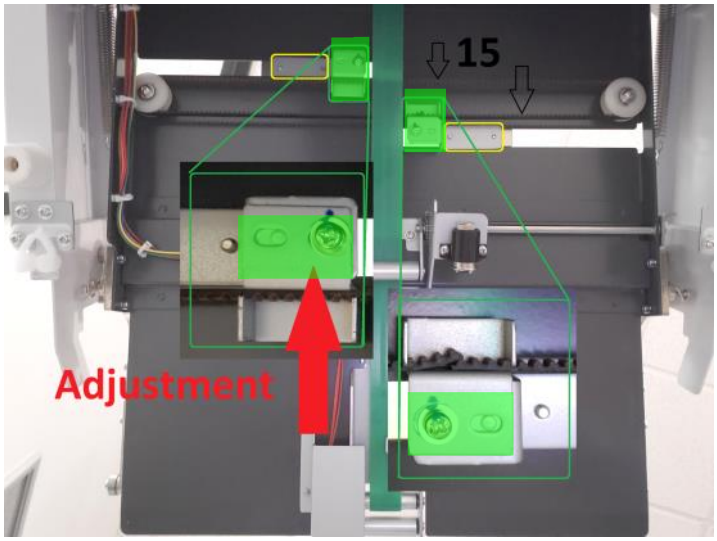
Paper Guides fully retracted. Back paper guide (LHS) is off centered. There is a gap between the slider and the slot on the feeding table (Red Arrow)



Feeding Table, Top view



Feeding Table, Bottom view.



Picture above shows both front (RHS) and back (LHS)paper guides. Back paper guide is off center (Red arrow). Both guides can be centered by adjusting the slotted bracket.

Warning		

Paper Guides Damage

Friday, March 6, 2020 4:47 PM

Warning,

Risk of permanent damage if guide are not handled from the middle, near the slider.

Prepared lever Loosened

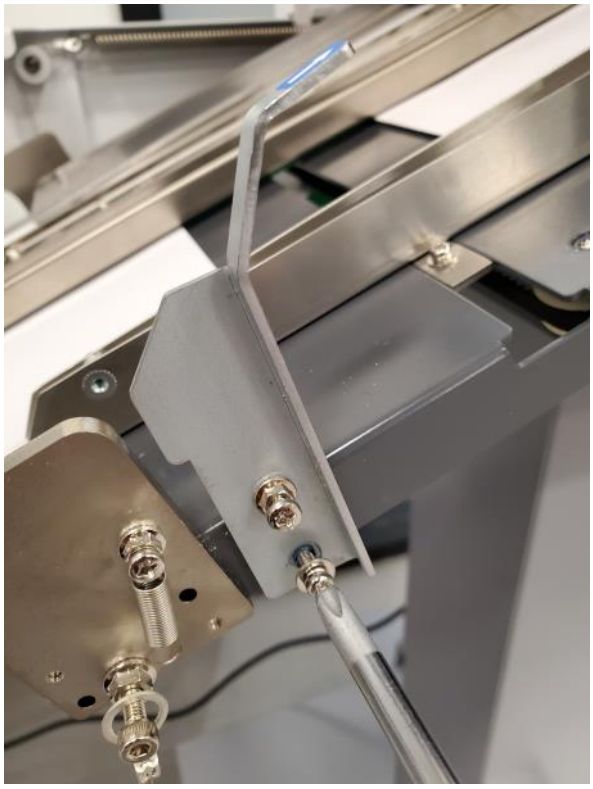
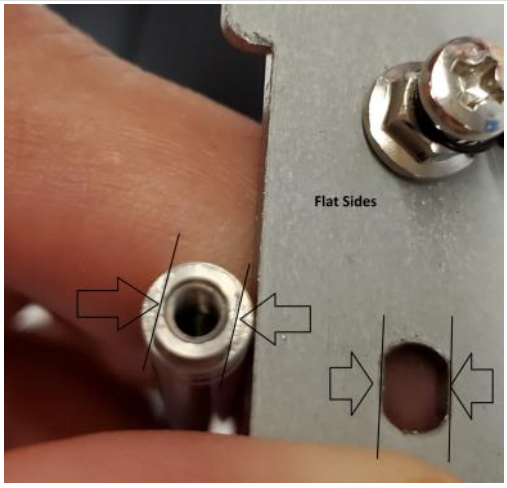
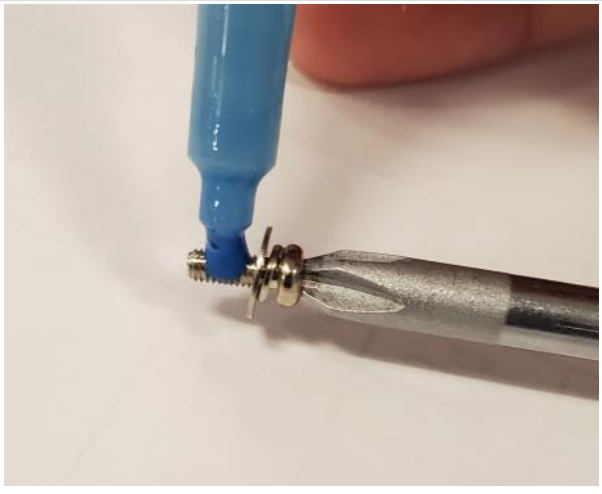
Monday, February 24, 2020 9:29 AM

Problem:
Incorrect operation of Prepared lever

Symptom: Prepared lever becomes loosen. Pivot screw loosens

Solution:

Apply Loctite Thread locker 242 or 243 (Item Number 24205, 0.5 ml Capsule, blue) on the screw's threads and retighten

Ready Lever and pivot screw		
Warning For reassembly, carefully align the flat sides before tighten the pivot screw		 **Important** Be sure to apply Loctite During reassembly process

WARNING

Prepared lever actuation only requires a slight force to move and actuate the Paper presence sensor in the C9 MPT.

How do I use a Loctite® threadlocker?

Application Options

For through holes

For blind holes

For post assembly

For overhead applications

IMPORTANT: To achieve optimum performance all parts must be clean and free of contaminants (e.g., oil, grease).

Loctite® Threadlocker Properties Chart

	PRODUCT	Item Number	Package Type & Size	COLOR	TYPICAL USE	VISCOSITY (cP)*	TORQUE IN.-LBS. (M10 Steel Nuts & Bolts) BREAK / PREVAIL	TEMPERATURE RANGE	CURE SPEED (STEEL AT 25°C)	OIL TOLERANT	AGENCY APPROVALS
LOW STRENGTH	222MS™	22205 22221 22231 22241	0.5 ml capsule 10 ml bottle 50 ml bottle 250 ml bottle	Purple	Easy removal, small screws under ¼"	1,200 / 5,000 Thixotropic	53 / 30	-65°F to 300°F	Fixture – 10 min. Full – 24 hrs.	N/A	MIL-S-46163A for existing designs, ASTM D-5363**, NSF P1, CFIA
REMOVABLE STRENGTH	242®	24205 24221 24231 24241 24243	0.5 ml capsule 10 ml bottle 50 ml bottle 250 ml bottle 1 liter bottle	Blue	Removable grade, up to ¼" to ¾" bolts	1,200 / 5,000 Thixotropic	110 / 43	-65°F to 300°F	Fixture – 10 min. Full – 24 hrs.	N/A	MIL-S-46163A for existing designs, ASTM D-5363**, NSF/ANSI 61, NSF P1, ABS, CFIA
	243™	23977 24077 24078 24079 21433	0.5 ml capsule 10 ml bottle 50 ml bottle 250 ml bottle 1 liter bottle	Blue	For ¼" to ¾" bolts with light oil contamination	2,250 / 12,000 Thixotropic	180 / 62	-65°F to 300°F	Fixture – 5 min. Full – 24 hrs.	N/A	NSF/ANSI 61, CFIA
	246™	29513 29514 29515	10 ml bottle 50 ml bottle 250 ml bottle	Blue	High temperature, medium strength	2,600	170* / 48	-65°F to 450°F	Fixture – 20 min. Full – 24 hrs.	Yes	N/A
	QuickStix™ 248™ NEW	37684 37087	9 g stick 19 g stick	Blue	¼" to ¾" (6 mm to 20 mm)	Semisolid	110 / 43	-65°F to 300°F	Fixture – 10 min. (3 min. w/primer) Full – 24 hrs.	N/A	NSF/ANSI 61, CFIA
	2033™ NEW	1029050	35 ml bottle	Blue-Green	For threads ¼" to 1" (6 mm to 25.4 mm)	Gel	142 / 62	-65°F to 300°F	Fixture – 20 min. (5 min. w/primer)	N/A	N/A

Other Resources

Manuals
Chapter 3.
C:\Users\Antonio.Arce\Documents\Support\Handbooks\C9\UCOS\46549702EE4_Envelope_Feeder_UM_EN.pdf

Videos
\\Is-nas03\USERS\HOME\Antonio.Arce\Shared\UCOS\Ready Lever and screw.mpg
\\Is-nas03\USERS\HOME\Antonio.Arce\Shared\UCOS\New Style ReadyLever.mov

\\Is-nas03\USERS\HOME\Antonio.Arce\Shared\UCOS\Chapters1-5.mpg

Black Envelope Detection

Friday, January 4, 2019 9:47 AM

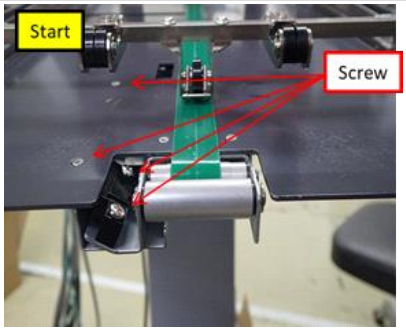
Units prior to March 2017 have been modified as per CN: 941/C931/C911-181:

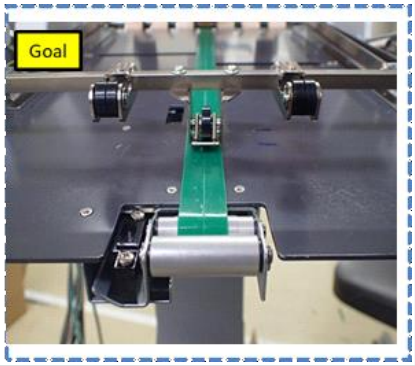
SUBJECT:
Angle change of the paper detection sensor. The following changes were performed:

	Angle change of paper detection sensor in downstream side only.	-To improve paper detection (ex. Black envelope)
-	Add the black sheets as an attachment parts.	-To avoid False detection
	Add the instruction sheet.	Installation and maintenance of the black sheet (separate document)

Feeder	**Procedure of attaching the R12324301 Piece-Sensor**
	1/24/2017 Rev.1

1





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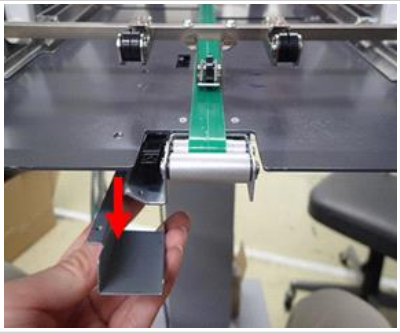

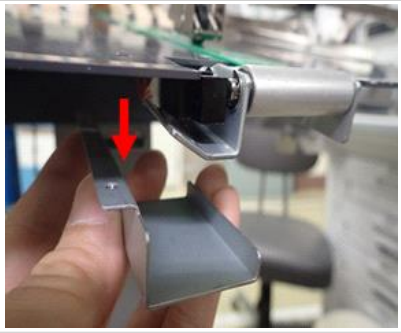

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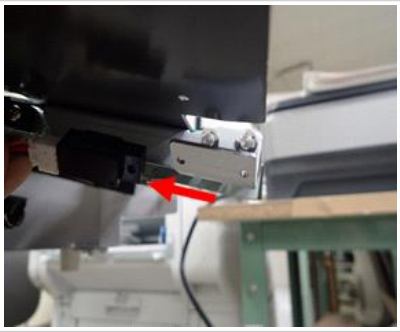

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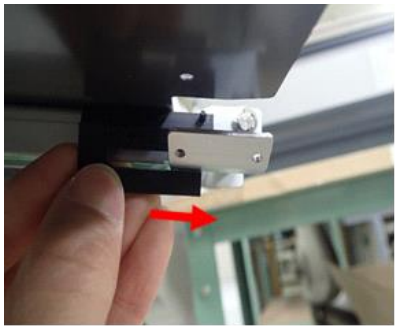
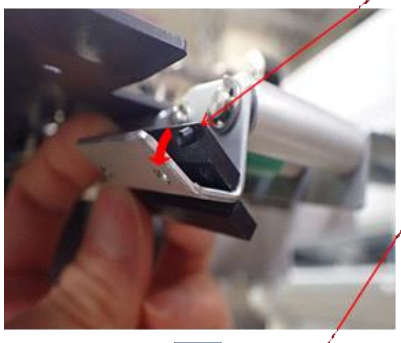
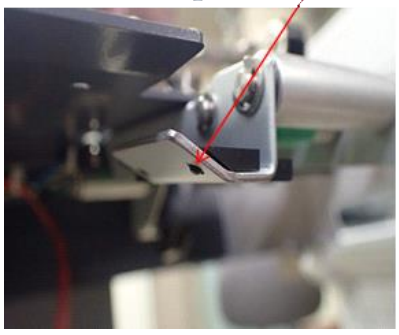
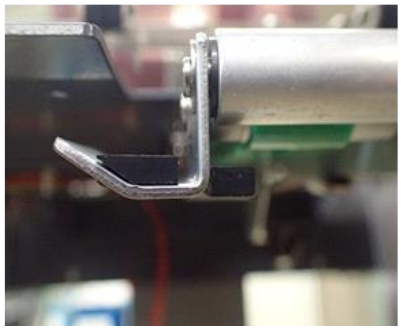




ガタツキ防止のため、両面テープの貼りつけを推奨。
For prevention of wobble, I recommend pasting up of the double-stick tape.





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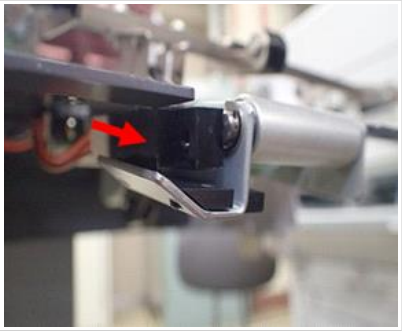

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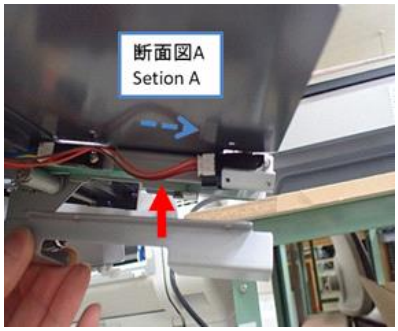
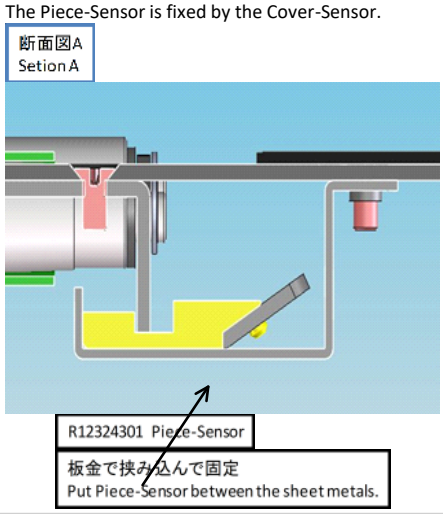


The Piece-Sensor is fixed by the Cover-Sensor.



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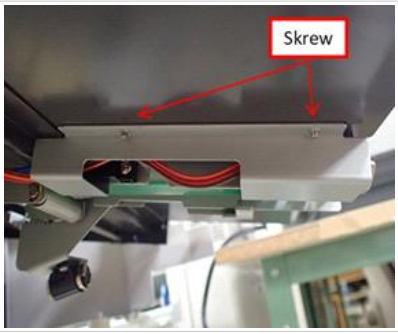
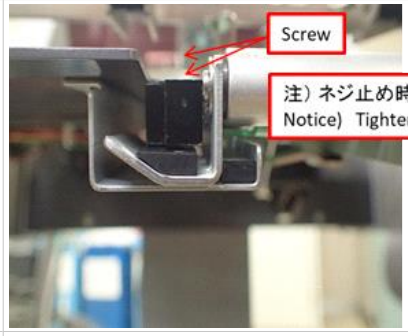
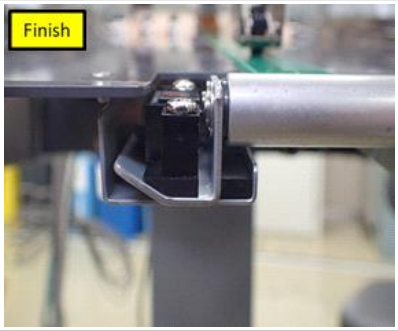
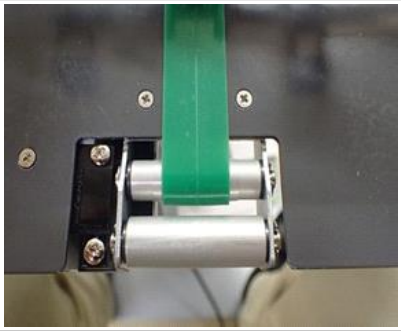


10

NOTE: Hand tight screws, do not over torque







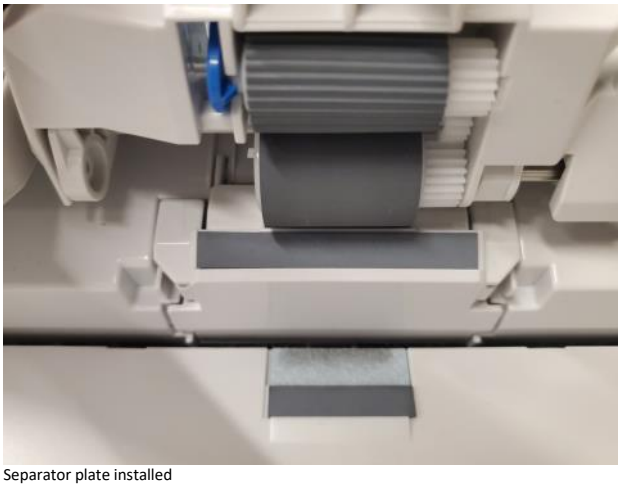
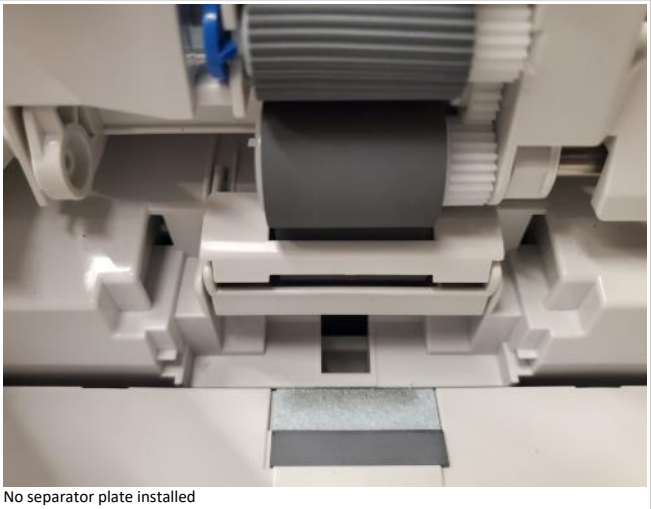
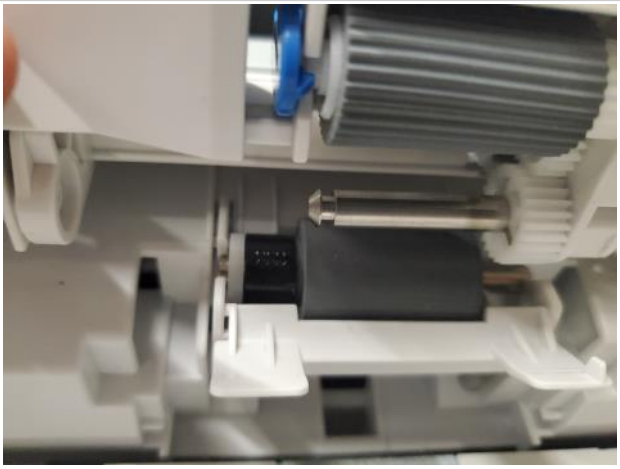
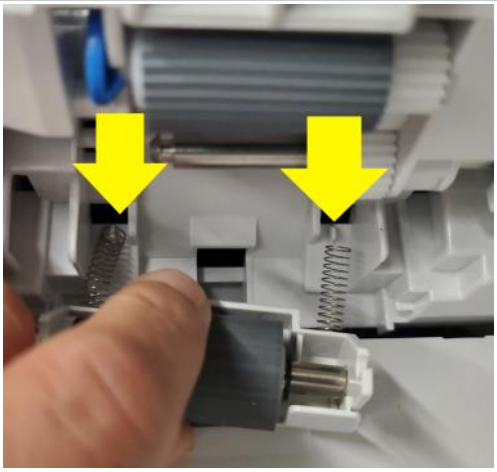
Envelope Jamming, misfeeding

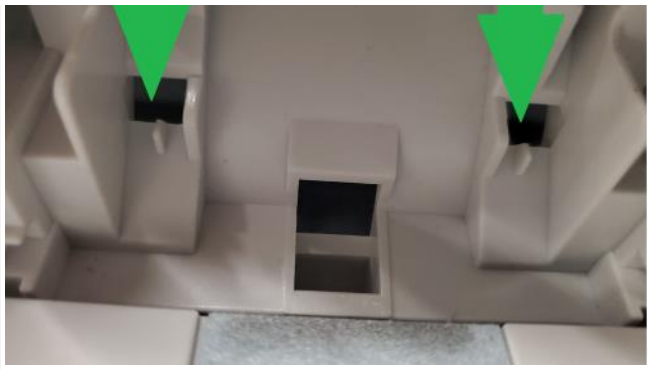
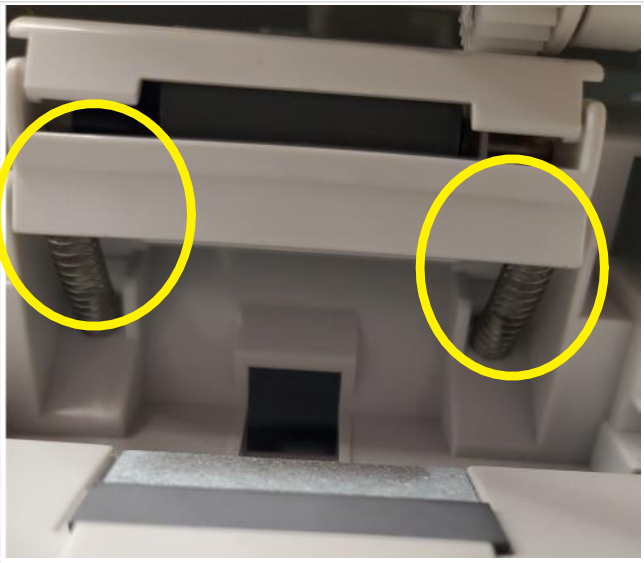
Friday, September 07, 2018 6:54 PM

Problem
When envelope is present in MPT, but frequent Paper Jam error or misfeeding is experienced

Solution:

1. Check Floor level
2. Verify feeder setup: height and level
3. Verify Feeder paper guides and separator setup
4. Verify MPT operation with feeder attached, pay special attention to prepared lever an MPT sequence of operation (Tips and tricks video)
5. Verify MPT normal operation by itself with feeder unattached.
    a. Check and reseat separator roller (low torque roller) inside MPT if needed
    b. Check springs under separator roller

C9 MPT Pick up rollers and separators **NOTE:** **Separator plate is not used with envelope feeder**	 Separator plate installed	 No separator plate installed
Separator Roller		

	Important **Make sure the ends of the springs remain attached firmly during reassembly process**	
		

For other related issues and troubleshooting, please read:
Technical issue and Troubleshooting sections in this same document
User's Manual
Advanced User's manual
Videos
MPT normal operation
Prepare lever

Warning

1. Never tape down the paper presence sensor in the MPT
2. Verify UCOSfeeder height and level If MPTray starts lifting right after feeder is attached to the printer and the "Prepared lever" has not been actuated. In other words, make sure MPTray's paper presence sensor is actuated only by the Prepared Lever of the feeder.
3. To clear a paper jam error, always Open and Close the side cover of a cassette tray.

Print position offset

Tuesday, December 11, 2018 9:33 AM

Symptom:

Print position offset in across the print direction. printing on envelope

Layout

Image or document layout: Layout Print position might change when printing from MPT (envelope size smaller then 8.5”) compared to using envelope feeder. The reason is that the printers origin changes depending on the distance of the paper guides inside the MPTray. For small envelope sizes, the reference is in the center. When guides are set full width, the reference or 0 is at the edge of the guide towards the front of the printer. Normally, this is not an issue, but this is can be an issue if the layout of the document / image is not perfect or the layout settings on the driver or software application are not set accordingly.

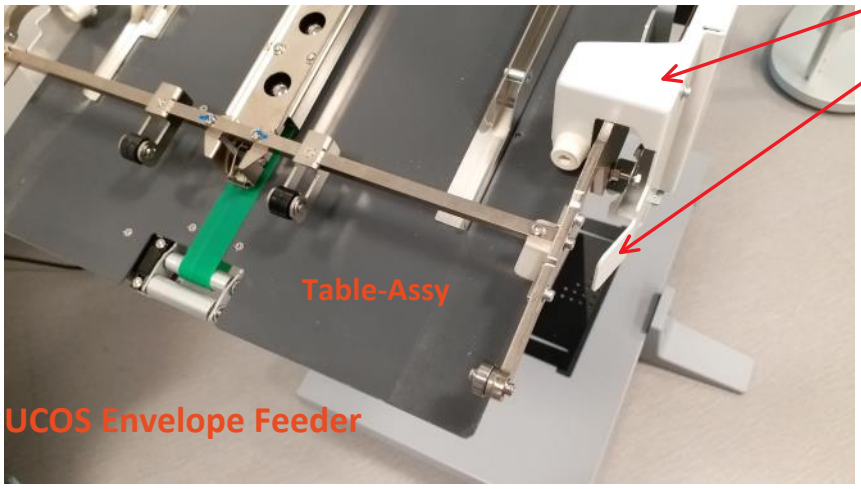
Keep in mind that Printer uses the MPTray paper Guides separation distance to determine page orientation/Zero reference too

Please see Printer driver settings screenshot for more details on Image layout

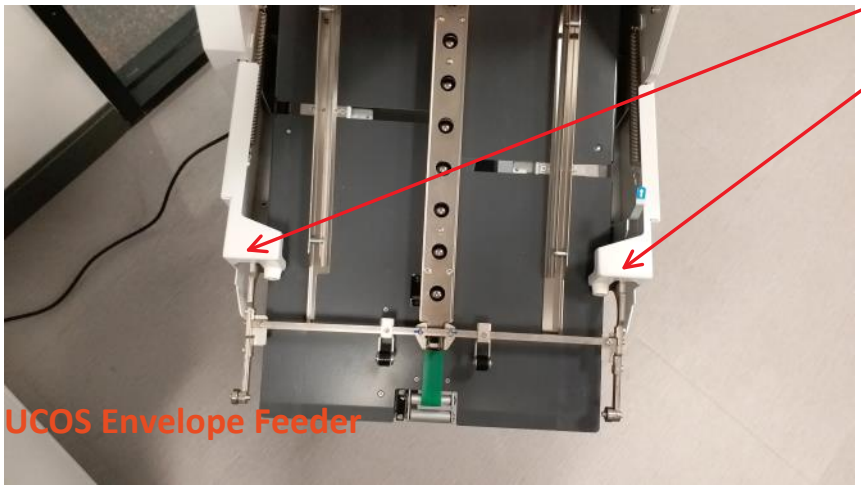
Mechanical

a) Because user abuse, the Arm-R and Arm-F Assemblies get slightly bent and out of alignment because users handle feeder by grabbing and pulling from them. Eventually this affects the positioning and location of the feeder with respect to the MPTray.

This issue is experienced in lesser degreed with recent feeders, because the plates were modified.

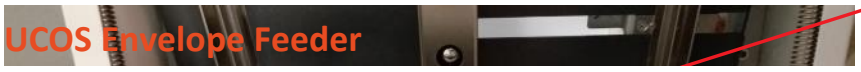


Arm-F-Assy

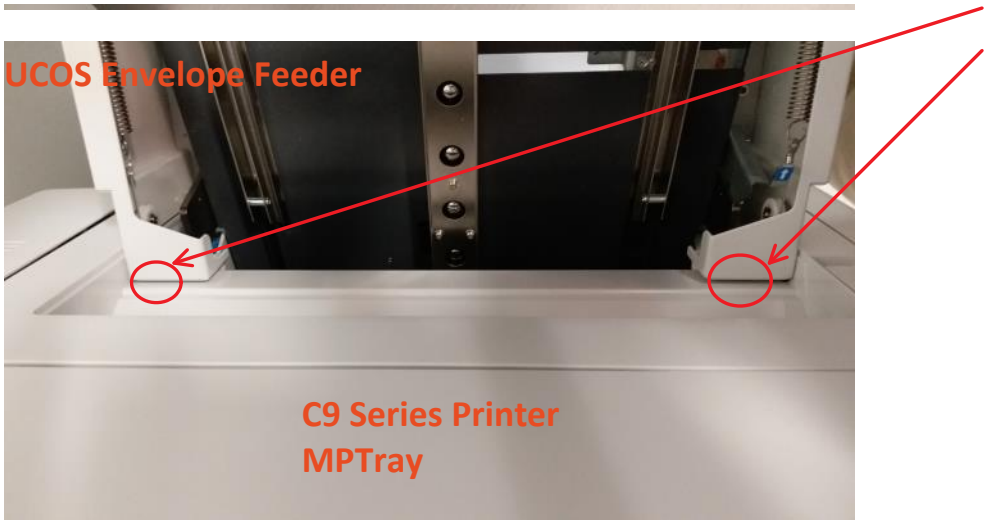


Arm-R and Arm-F Assemblies
Are used as guide to keep consistent position when feeder is hooked to printer's MPTray

Note: There is no mechanical adjustment / alignment, but verify both arms are positioned at a suitable distance so that the MPTray and the edge of the Table Assy are parallel, not skewed and the envelope feeding path is straight.

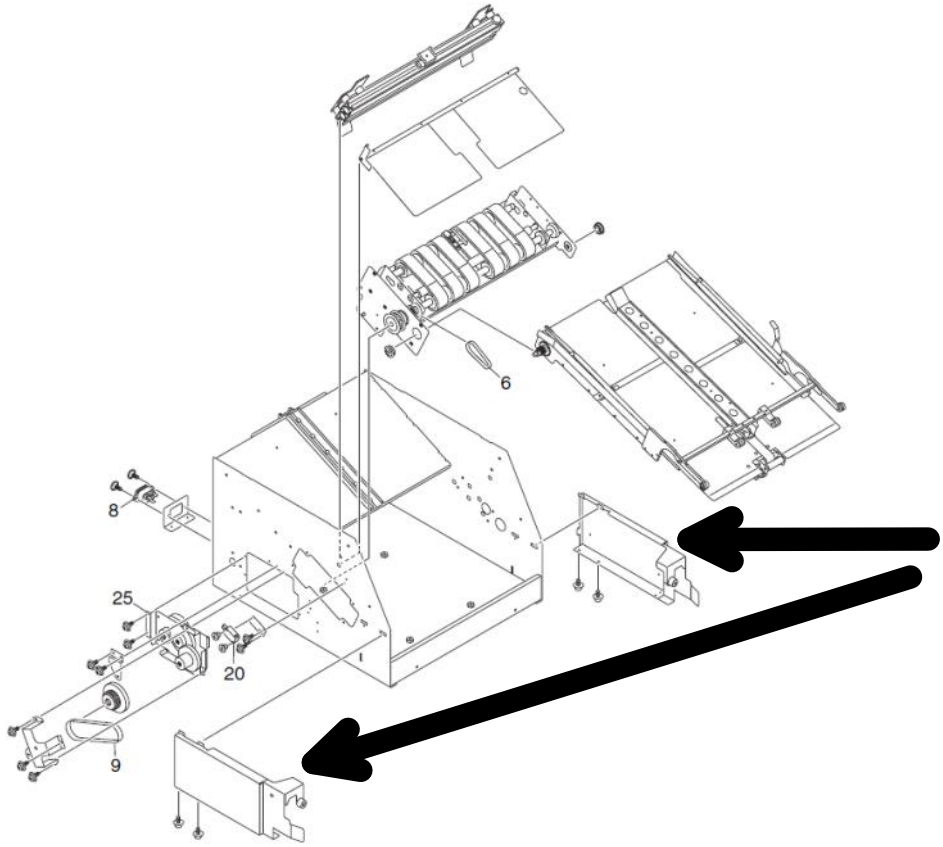


<=1/16" Clearance Max.



<=1/16" Clearance Max.

Feeder-Main-Body



Note: The Arms (R and F arms).
There is no alignment or adjustment, but make sure the position of the arms keeps the edge of the envelope feeder table horizontal to the MPTary (and the feeding path is straight) when hooked to printer.

Something else to look at:

a) Guide mechanism
b) Rocks-Part Assy

Rocks-Part Assy.

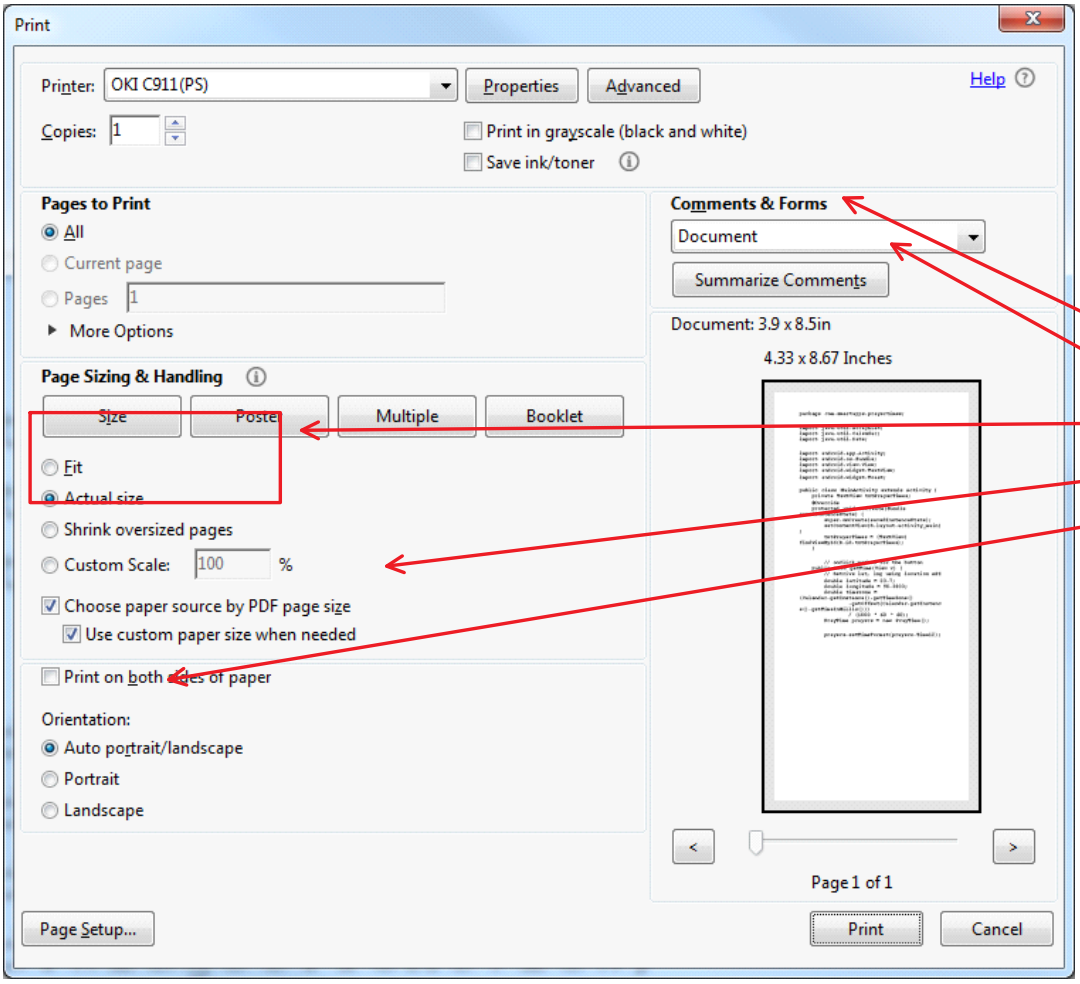
Note:

a. The Rock Parts-Assy comes with a double roller catch with spear Strike (See picture attached). The spear strike is slotted and the position can be adjusted and this can changed the separation of the feeder and the printer. The change is minimal, but is a couple of cases, this made a difference in the performance of feeder (both envelope detection and feeding). Normal position is

Make sure this is at a suitable position, such a

the printer. The change is minimal, but is a couple of cases, this made a difference in the performance of feeder (both envelope detection and feeding). Normal position is with screw in the middle.

b. Make sure the Double roller catch bracket is not bent or damaged, I had one case where feeder was pushed too hard and this bracket was deformed. If not is bad shape, it can be bent back; Not recommended though.



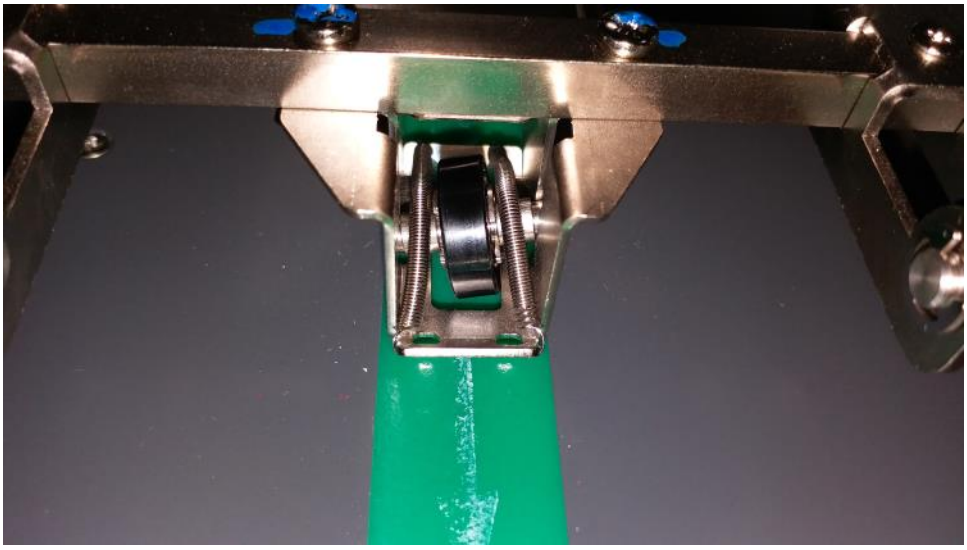
Please, always pay close attention to paper actual size, document size and layout options

Check Paper Guides alignment

Spring Pinch Damage

Friday, January 11, 2019 8:47 AM

46564342 Spring-Pinch
(Somehow, the part name on the RSPL is "Feeder Spare Parts Purchase Spec".)

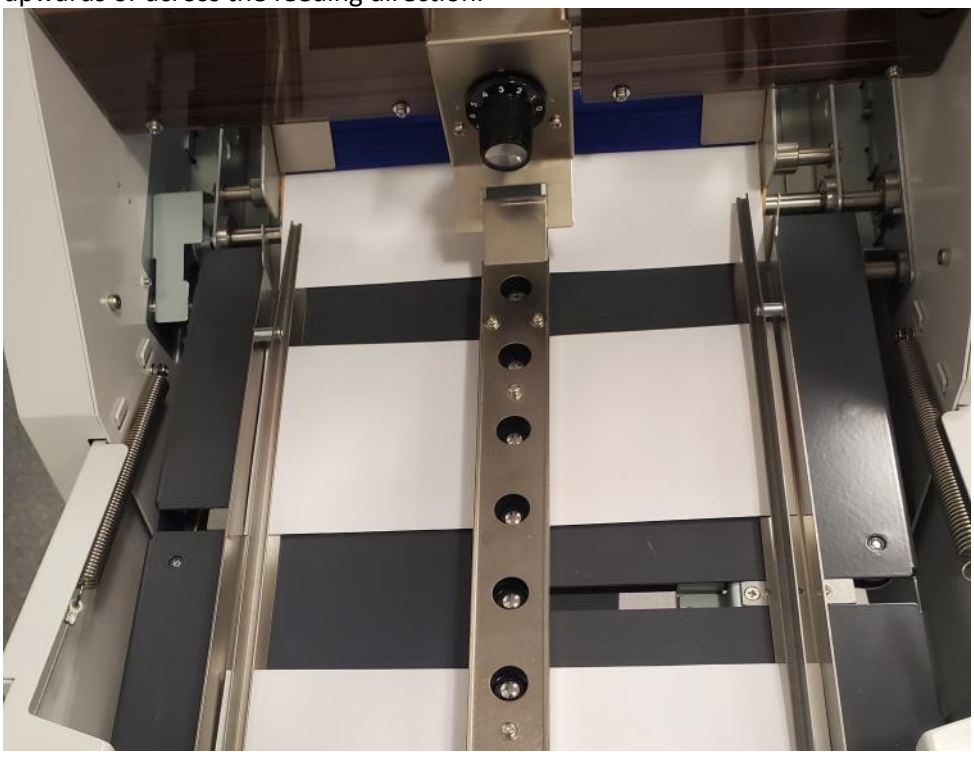


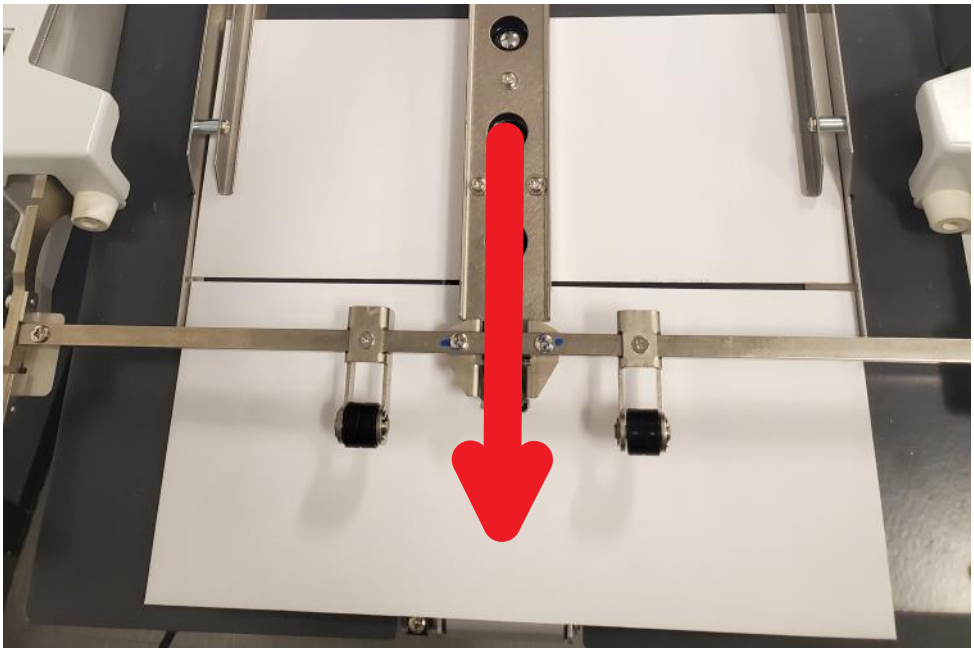
Problem:

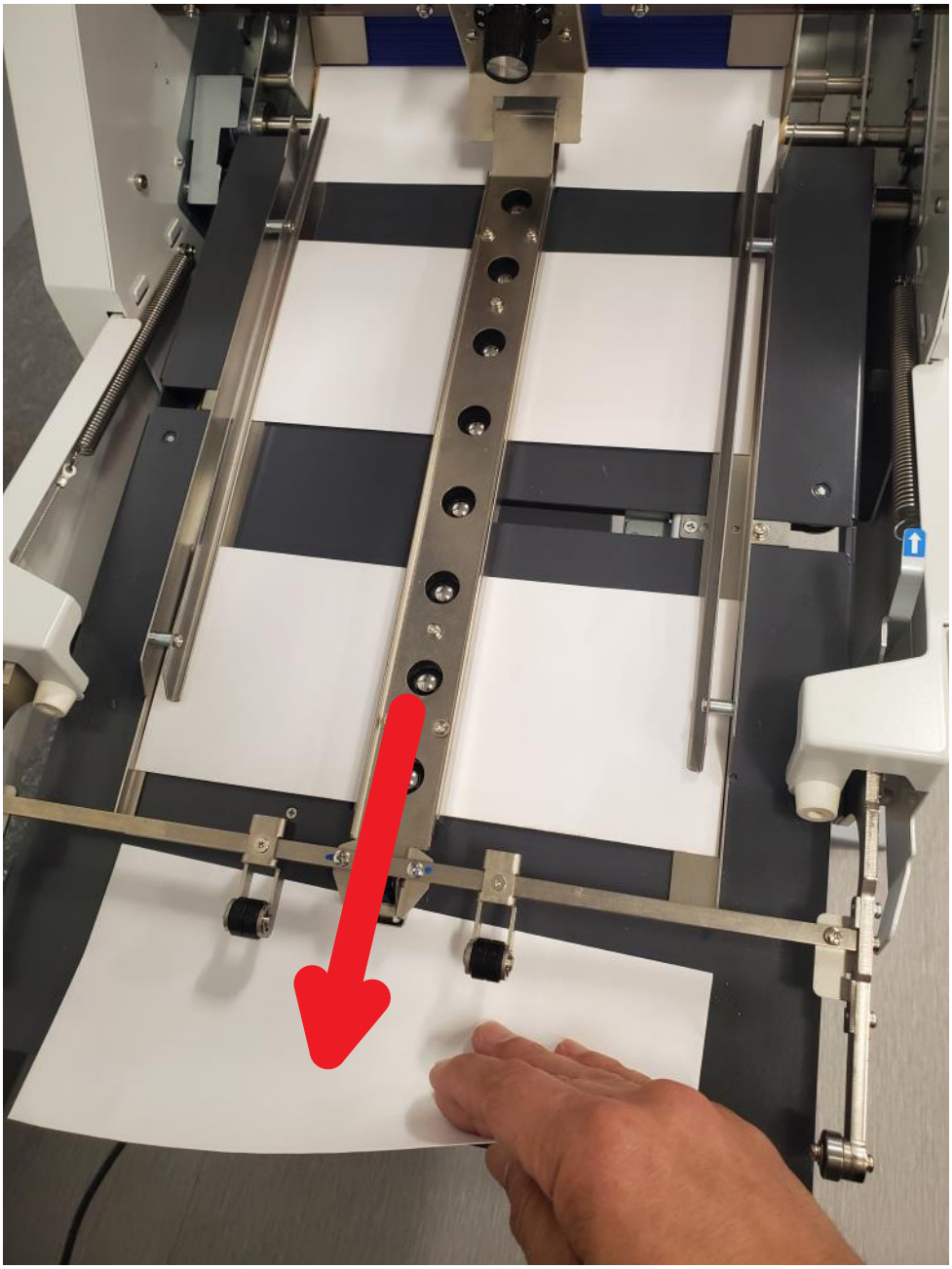
Roller is dislodged when envelopes are not pulled in the feeding direction when unloading or clearing a paper jam condition.

Recommendation:

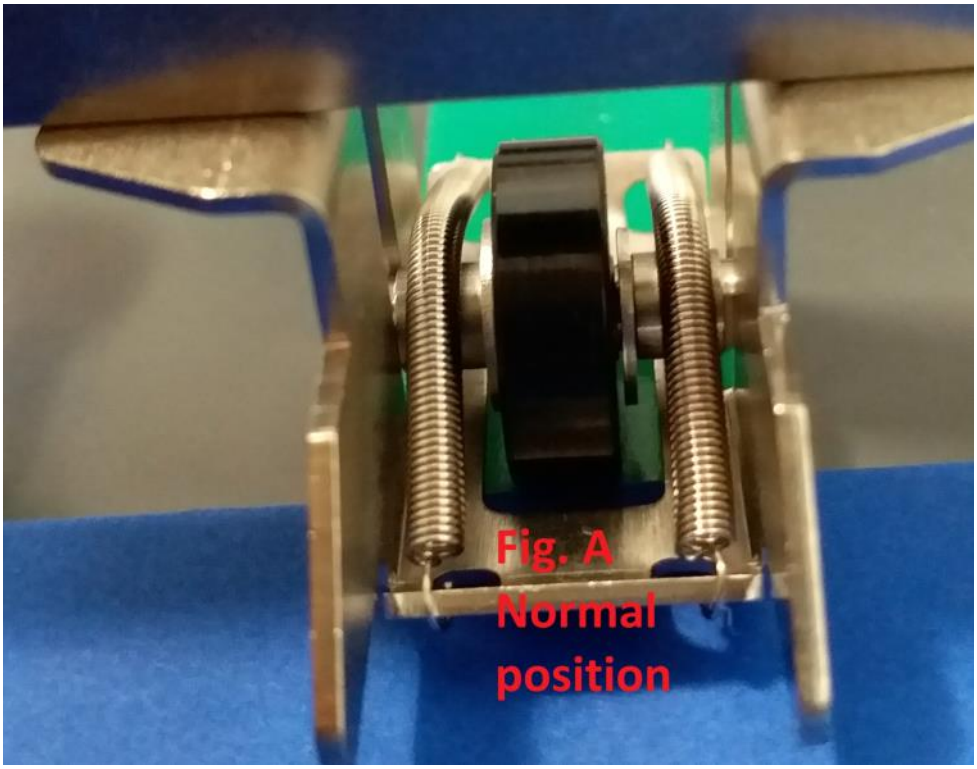
Unload or remove envelopes pulling in the feeding direction. Avoid pulling envelopes upwards or across the feeding direction.







After all envelops are removed, push the roller back to its normal position.
At all times, insure the roller is rolling flat on the discharge belt.



Warning

Verify Pinch Roller position after loading / unloading envelopes or when clearing a paper jam condition.

Prepared Lever

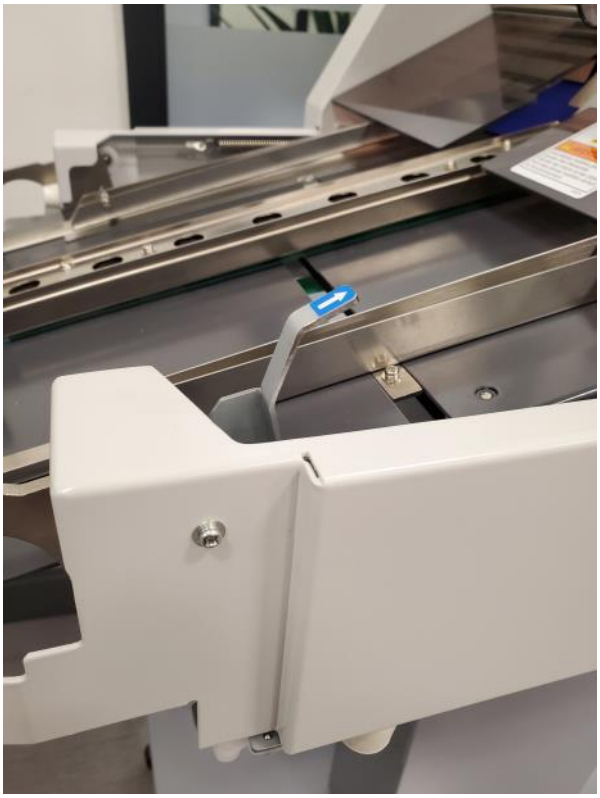
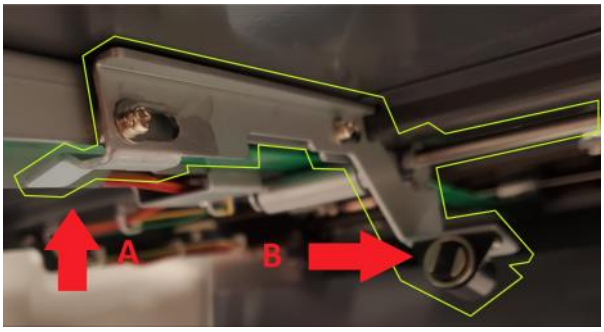
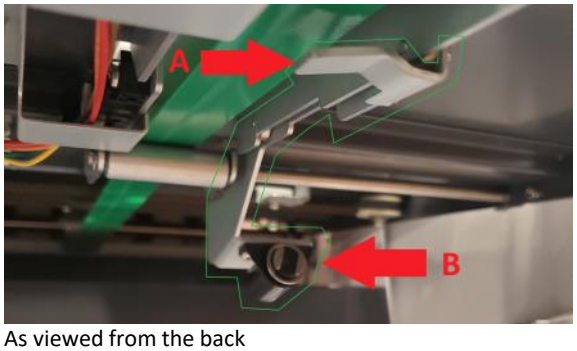
Tuesday, February 25, 2020 11:45 AM

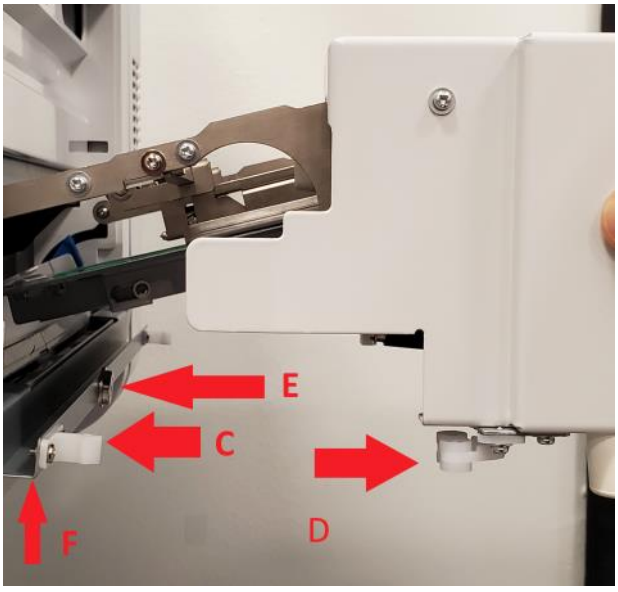
Operation

Please read User's Manual

Theory of operation

Prepared Lever is located on the LHS at the front of the feeder
Only a slight force is necessary to actuate the Prepared lever.
This slight force is sufficient to actuate the mechanism that moves the magnetic catch to a latch position. This movement actuated the paper presence sensor in the C9 MPT

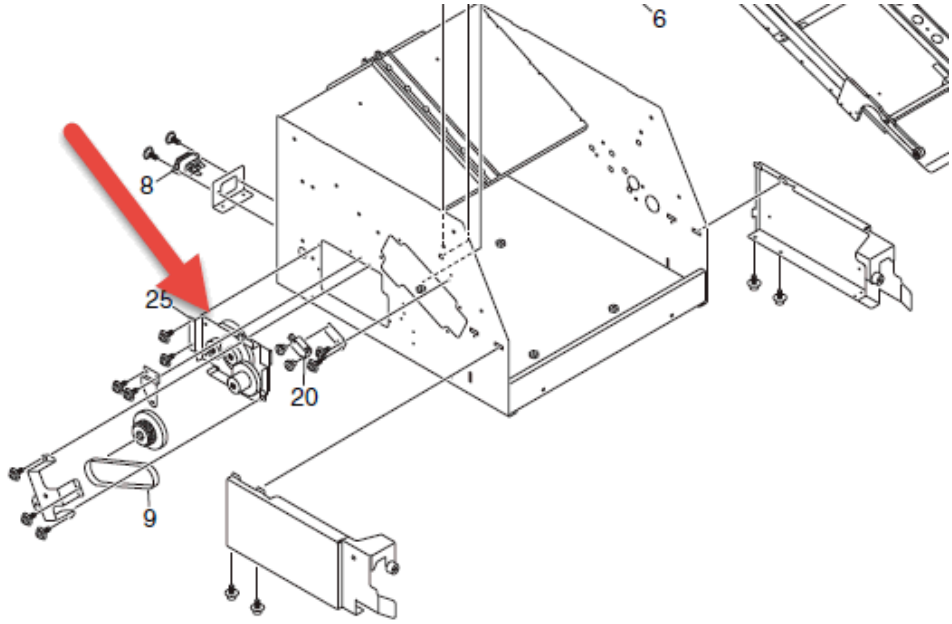
Prepared Lever, Status: Normal Position when Feeder is unattached to printer	 As viewed from the front	As viewed from the back
Prepared lever Mechanism A: Actuator, MPT Paper presence Sensor B: Magnetic Catch	 As viewed from the front	 As viewed from the back
Prepared lever Actuation: Showing position of Magnetic Catch and Lock parts bracket		

respectively	 Prepared lever in Normal position (Feeder unattached) Prepared lever actuated (Feeder previously attached to printer). **See warning notes below**	 Magnetic Catch unlatched Magnetic catch and lock parts bar latched
Other Components: C and D: Lock-parts-assy E: Counterpart, Magnetic catch F: Roller-catches-bracket		
Warning Notes	Please, **gently actuate the Prepared lever, only a slight force is necessary** to actuate the mechanism that moves the magnetic catch to a latch position, and the Paper presence sensor remains actuated.	

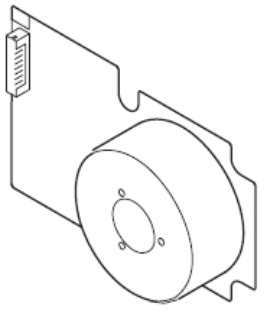
Not Feeding Envelopes

Friday, January 11, 2019 9:12 AM

Problem:
Customer will report that the UCOS (DP+) Feeder is not feeding envelopes.
Symptom:
Feed belts will not move right after Start button is pressed.
Troubleshooting:
Check LED status:
Normal Operation: LED blinks slowly right after power on.
If there is no feeding belt movement after pressing START button and LED green light flashes rapidly, then the Fuser-Drive Assy is bad.
Diagnostic:
Fuser-Drive-Assy.
Note: See Fuser-Drive Tab for additional Details



Solution:
Replace the Fuser-Drive Assy (p/n: 45192101) OKIDOC 92928

Circuit diagram and composition	Part drawing	Resistance value
Fuses IP1 and IP2		Across both ends of each fuse: 1 Ω or less

From <http://cserv_org.in.okidata.com/iDocs2.nsf/Internal%20by%20Document%20Number/2E5FD8CC18EF3C29852581A100523D52?OpenDocument>

Power

Friday, October 5, 2018 12:01 PM

Set Power Switch in Off position
Set Clear plastic cover in the up position

Connect power cord to feeder

Turn power switch (black) on
Move clear plastic cover to down position
Did you hear a click?

Signal Name	Part	Status on Power On
24 Power		ON: Power OK Off: No Power Blink: Right after Power up
5 V Power		ON: Power OK
Feeder Status	LED9	ON: Right after Power on, replace Controller. ON: With envelopes loaded, Feeding paused. OFF: Check Power Blinking: Normal Fast Blinking: Replace Fuser Driver motor
Cover Switch	LED8	ON: Cover Down Off: Cover up
Push Button	LED7	ON: When Pressed
Fuser Drive Motor	LED6	ON: Power to Fuser Driver Motor
Envelope Stack	LED4	ON: Envelope Present OFF: No envelope detected
	LED5	NC
Middle	LED3	ON: Envelope Present Off: No Envelope Detected
Edge	LED2	ON: Envelope Present Off: No Envelope Detected
	LED1	Heart bit of Controller Card

Magnetic Catch

Tuesday, February 25, 2020 11:49 AM

Magnetic Catch	Magnetic catch extended using thumb screw	Magnetic catch retracted

Recently added

Tuesday, February 25, 2020 8:28 AM

RSPL

Find complete listing BPX

Part Number	Description	Reason of Change	Comments
46564330	Rock-Parts-Assy	Added to RSPL	Should read Lock-Parts-Assy
46564345	Wedge-Assy	Added to RSPL	
46564348	Magnetic Catch	Added to RSPL	
46564346	Belt -Feeder	Durability	New material, gray in color
46564342	Roller Pressure-Assy	Added to RSPL	Pinch Roller
46564343	Roller-Catches-Bracket	No Change	
Not Available	Paper Guide, front	Part number Requested	
Not Available	Paper Guide, Back	Part number Requested	

Lock-Parts, Rollers-Catches-Bracket

Wednesday, February 26, 2020 10:58 AM

Item# 24 (pn:46564330) is the set of male and female latches.

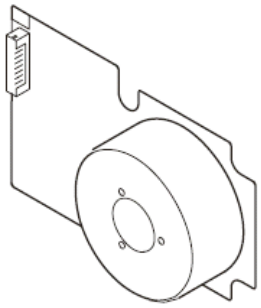
Item# 33 (pn: 46564343) is the bracket + male latch. (there is no female latch)

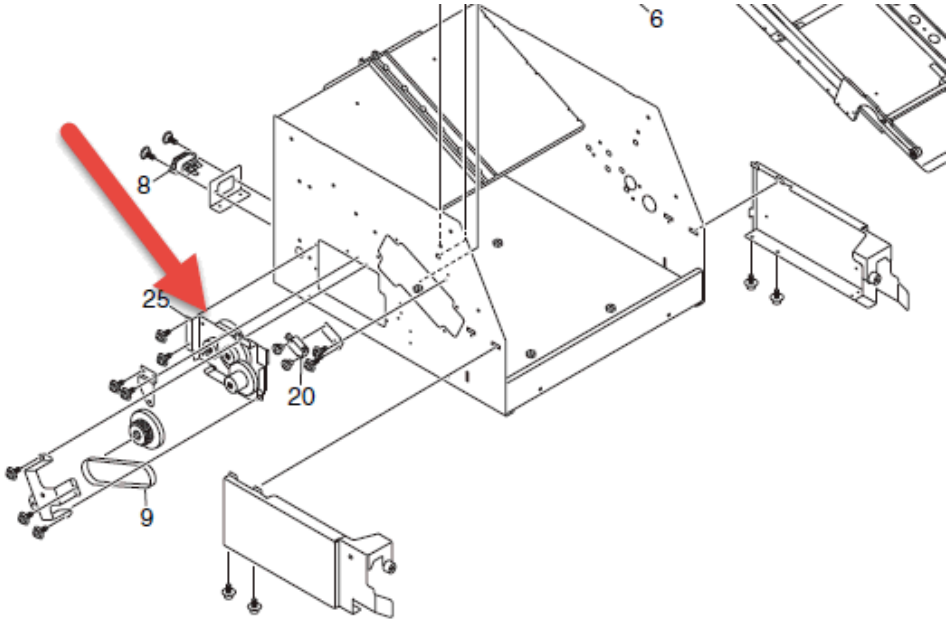
46564348 magnetic catch

Fuser-Drive Assy, p/n: 45192101

Wednesday, September 19, 2018 11:35 AM

Check Fuses

Circuit diagram and composition	Part drawing	Resistance value
Fuses IP1 and IP2		Across both ends of each fuse: 1 Ω or less



Rev	Unit Name	No.	Part No.	Part Name	Q'ty /Unit
	Conveyor	2	46564304	Paper-Sensor	1
	Conveyor	3	46564308	Inlet-AC	1
	Conveyor	4	46564310	Belt-Conveyor	2
3	Conveyor	5	46564311	Board-Conveyor-UCOS	1
3	Conveyor	6	46564312	Belt-MiniPitch(S2M)-Conveyor	1
	Conveyor	7	46564313	Caster	2
	Conveyor	8	46564314	Caster-Lock	2
	Conveyor	9	46564321	Conn Cord-Paper-SNS(Conveyor)	1
	Conveyor	10	46564323	Conn Cord-Power-Control	1
	Conveyor	11	46564325	Conn Cord-Power-Inlet	1
	Conveyor	12	45192101	Fuser-Drive-Assy	1
	Conveyor	13	45762701	OR-Board-30L	1
	Conveyor	14	44696901	Gear-Hopping-B	1
	Conveyor	15	44696001	Gear-Liftup-A	1
	Conveyor	16	YS4011-1315P001	AC Cord B	1
2	Conveyor	16	YS4011-1272P001	AC CORD (EUROPE)	1
2	Conveyor	16	40645202	CONN Cord-AC cord set(BS/SI,10A)	1
	Conveyor	2	46564304	Paper-Sensor	1
	Conveyor	3	46564308	Inlet-AC	1
	Conveyor	4	46564310	Belt-Conveyor	2
3	Conveyor	5	46564311	Board-Conveyor-UCOS	1
3	Conveyor	6	46564312	Belt-MiniPitch(S2M)-Conveyor	1
	Conveyor	7	46564313	Caster	2
	Conveyor	8	46564314	Caster-Lock	2
	Conveyor	9	46564321	Conn Cord-Paper-SNS(Conveyor)	1
	Conveyor	10	46564323	Conn Cord-Power-Control	1
	Conveyor	11	46564325	Conn Cord-Power-Inlet	1
	Conveyor	12	45192101	Fuser-Drive-Assy	1
	Conveyor	13	45762701	OR-Board-30L	1
	Conveyor	14	44696901	Gear-Hopping-B	1
	Conveyor	15	44696001	Gear-Liftup-A	1
	Conveyor	16	YS4011-1315P001	AC Cord B	1
2	Conveyor	16	YS4011-1272P001	AC CORD (EUROPE)	1
2	Conveyor	16	40645202	CONN Cord-AC cord set(BS/SI,10A)	1

	Feeder	2	46564302	Separator	1
	~~Feeder~~	~~3~~	~~46564303~~	~~Feed-Belt~~	~~6~~
9	Feeder	3	46564346	Belt-Feeder	6
	Feeder	4	46564304	Paper-Sensor	2
	Feeder	5	46564305	Discharge-Belt	1
	Feeder	6	46564306	Belt-MiniPitch(MXL)-Table	1
3	Feeder	7	46564307	Board-Feeder-UCOS	1
	Feeder	8	46564308	Inlet-AC	1
	Feeder	9	46564309	Belt-MiniPitch(XL)-Feed	1
	Feeder	10	46564313	Caster	2
	Feeder	11	46564314	Caster-Lock	2
	Feeder	12	46564315	Separator-Assy	1
	Feeder	13	46564316	Gate-Assy	1
3	Feeder	14	46564317	Belt-MiniPitch(S3M)-Set-Guide	1
3	Feeder	15	46564318	Belt-MiniPitch(S3M)-Paper-Guide	1
	Feeder	16	46564319	Conn Cord-Paper-SNS	1
	Feeder	17	46564320	Conn Cord-PE-SNS(PE)	1
	Feeder	18	46564322	Conn Cord-Power-Control	1
	Feeder	19	46564324	Conn Cord-Power-Inlet	1
	Feeder	20	46564326	Interlock-SW	1
	Feeder	21	46564327	Conn Cord-Interlock	1
	Feeder	22	46564328	Label-Warning	1
	Feeder	23	46564329	Paper-End-Sensor	1
	Feeder	24	46564330	Rock-Parts-Assy	2
	Feeder	25	45192101	Fuser-Drive-Assy	1
	Feeder	26	45762701	OR-Board-30L	1
	Feeder	27	YS4011-1315P001	AC Cord B	1
2	Feeder	27	YS4011-1272P001	AC CORD (EUROPE)	1
2	Feeder	27	40645202	CONN Cord-AC cord set(BS/SI,10A)	1
	Feeder	28	46315901	Roller-Assy-Retard(200)	1
11	Feeder	29	46564337	Stand-Spacer-12345	2
11	~~Feeder~~	~~29~~	~~46592401~~	~~Stand-Spacer-12345~~	~~2~~
11	Feeder	30	46564338	Stand-Spacer-6	2
11	~~Feeder~~	~~30~~	~~46592501~~	~~Stand-Spacer-6~~	~~2~~
2	Feeder	31	46610301	Sheet-Absorbing-IR	1
3	Feeder	32	46564342	Feeder Spare Parts Purchase Spec.	2
4	Feeder	33	46564343	Roller-Catches-Bracket	1
6	Feeder	34	46564344	Feeder-Belt-Assy	1
7	Feeder	35	46564345	Wedge-Assy	1
8	Feeder	36	46564347	Roller-Pressure-Assy	1

10	Feeder	37	46564348	Magnetic Catch	1

Interconnections

Thursday, October 4, 2018 3:09 PM

System Configuration of the Envelope Feeder-U and the Conveyor-U.

As the Figure 1-1 shows, for the Envelope Feeder-U is configured by the controller unit and the related units.

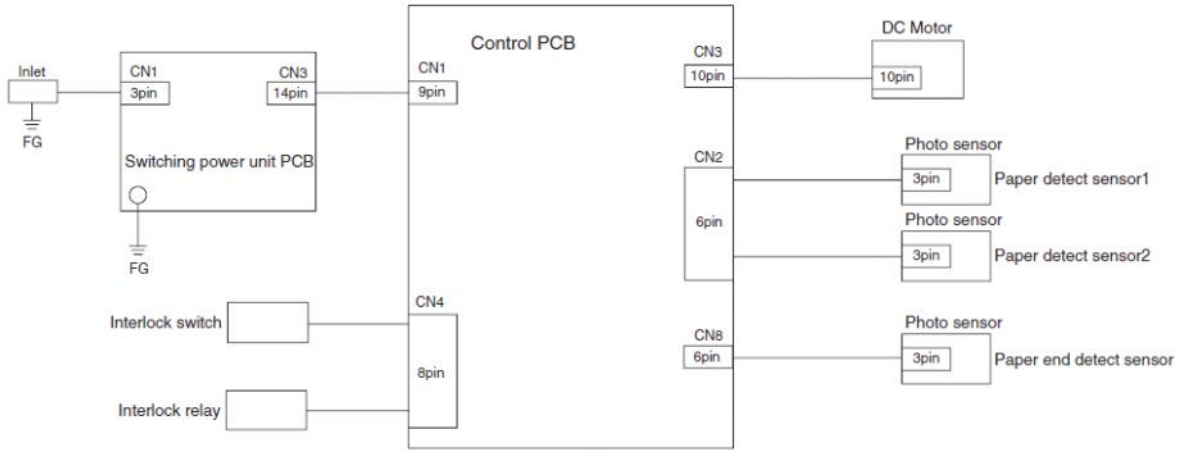


Figure1-1

As the Figure 1-2 shows, for the Conveyor-U is configured by the controller unit and the related units.

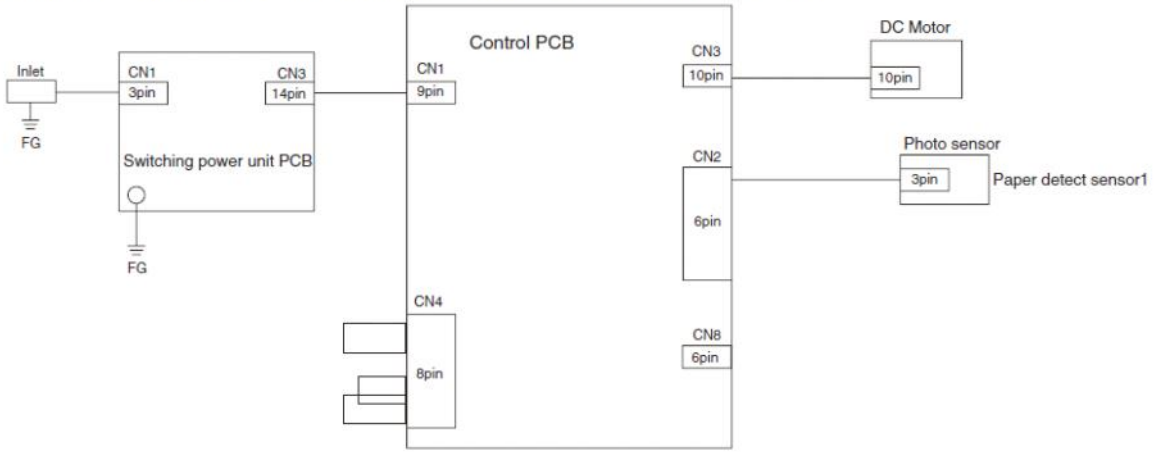
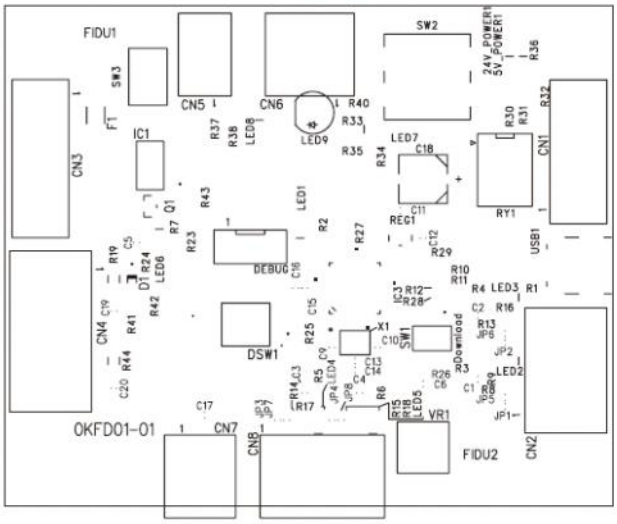


Figure1-2

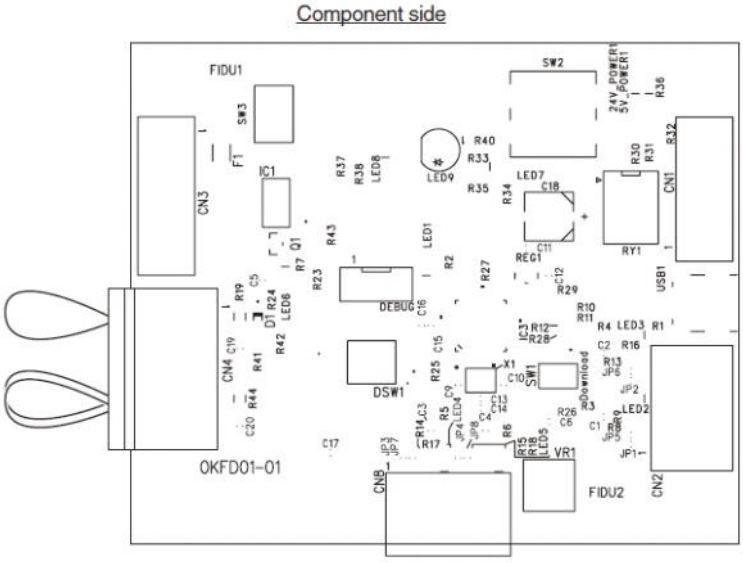
(2) Board-Feeder

Component side

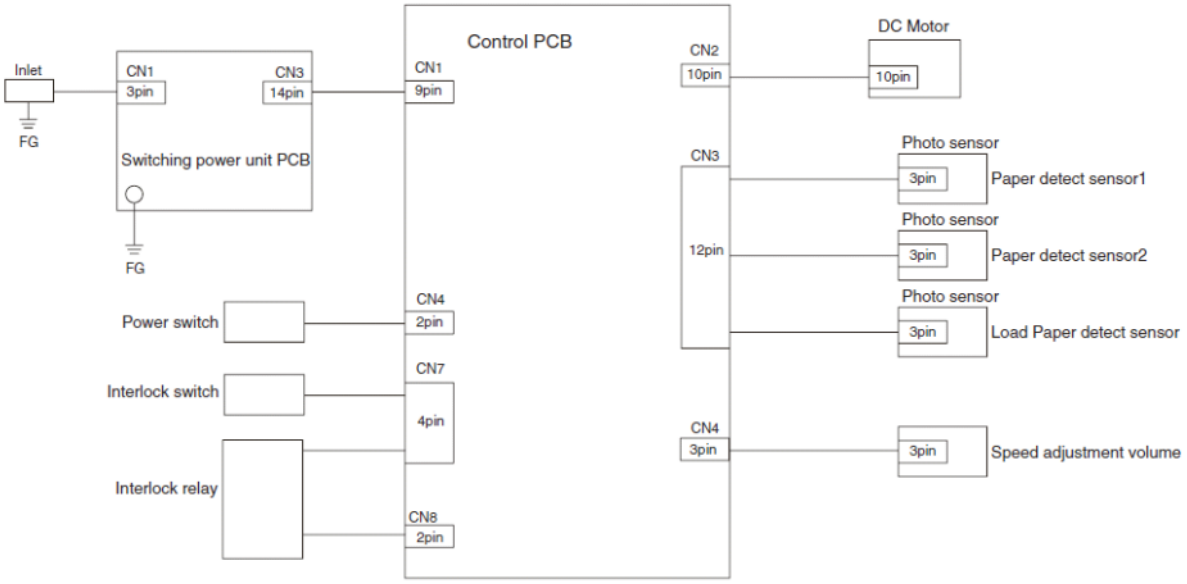


(3) Board-Conveyor

Component side



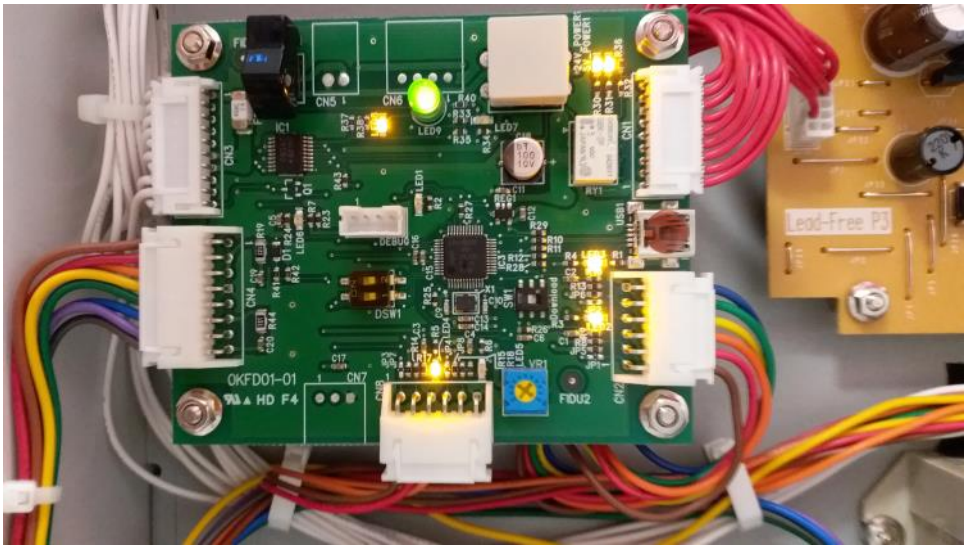
NOTE:
DO NOT USE THE FOLLOWING



Wiring diagram (Feeder unit section)

New vs old Controller Bd

Wednesday, September 19, 2018 2:16 PM

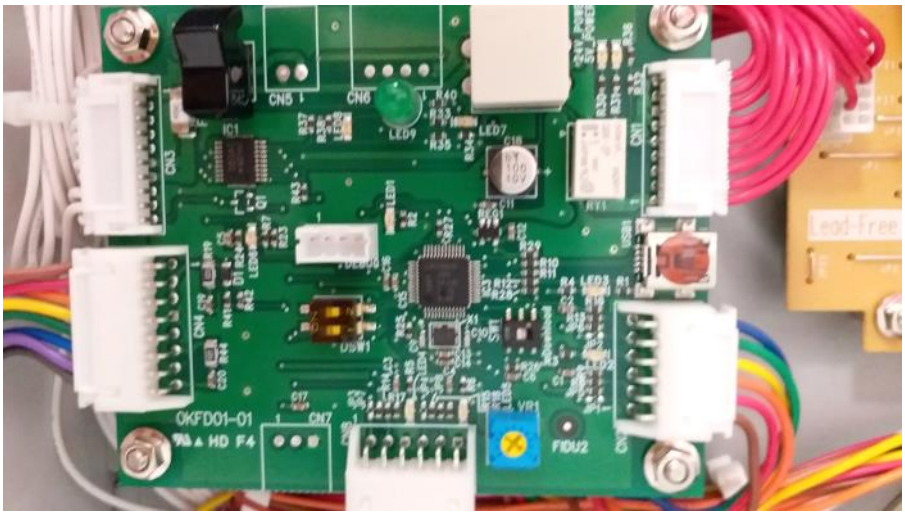


Old Style controller Bd.
Amber LEDs show status of all envelope sensors, 5 VDC and 24 VDC as well.
Firmware can be updated to version 1.06

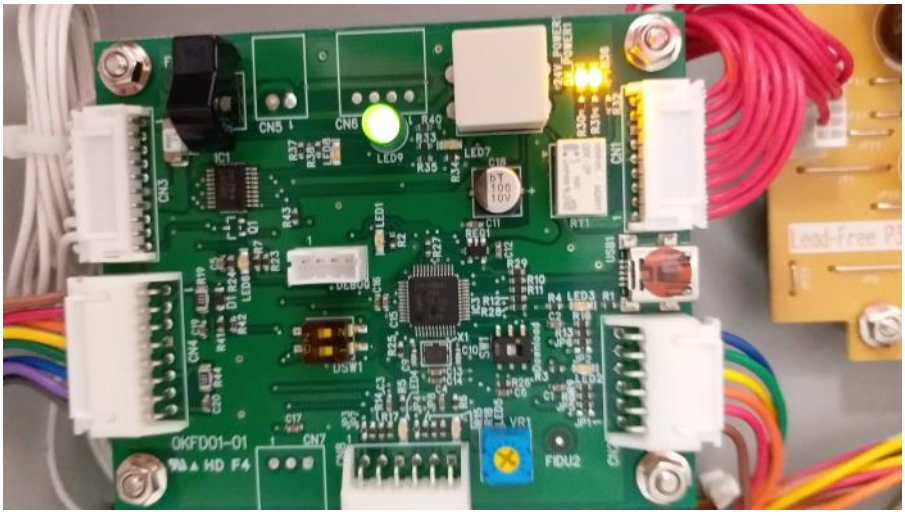
New Style Controller Bd., for all production envelope feeders
No Amber LEDs on it.
Device no longer recognized / mounted by MS Windows when connected to USB port

Controller Card LEDs

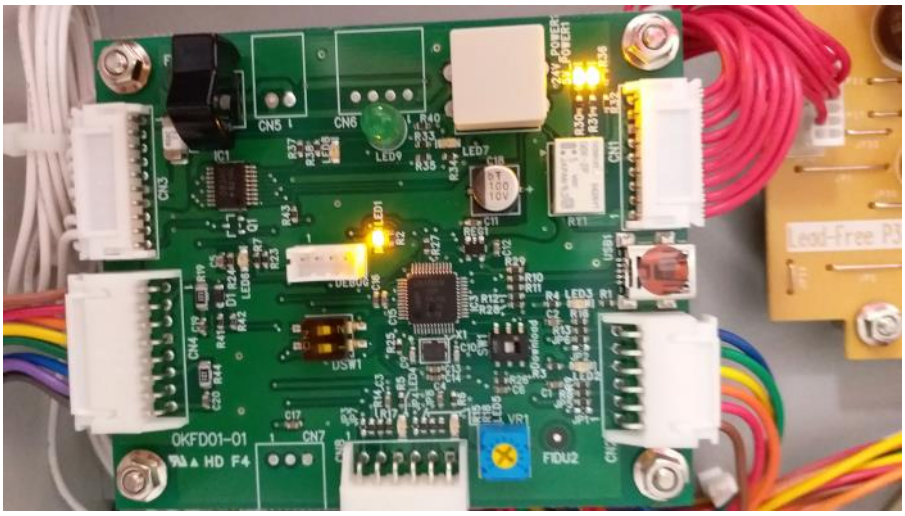
Thursday, September 13, 2018 6:45 PM



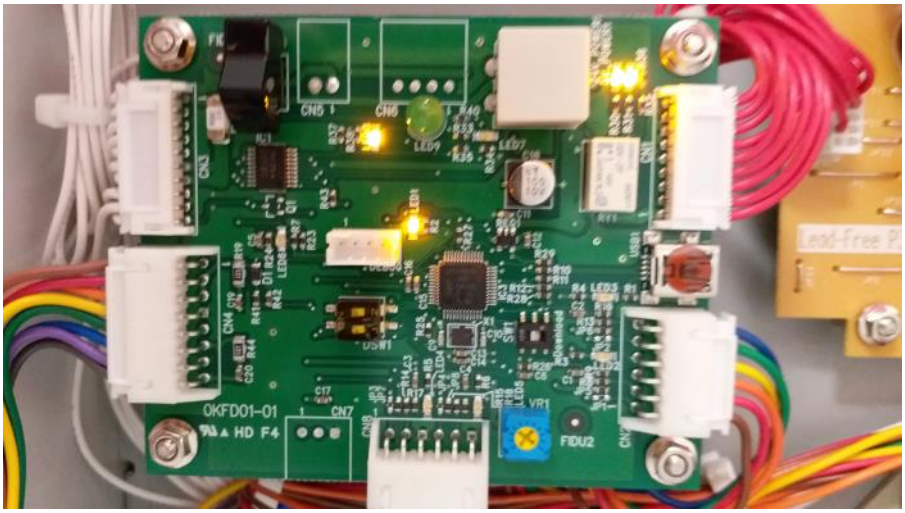
Power Off



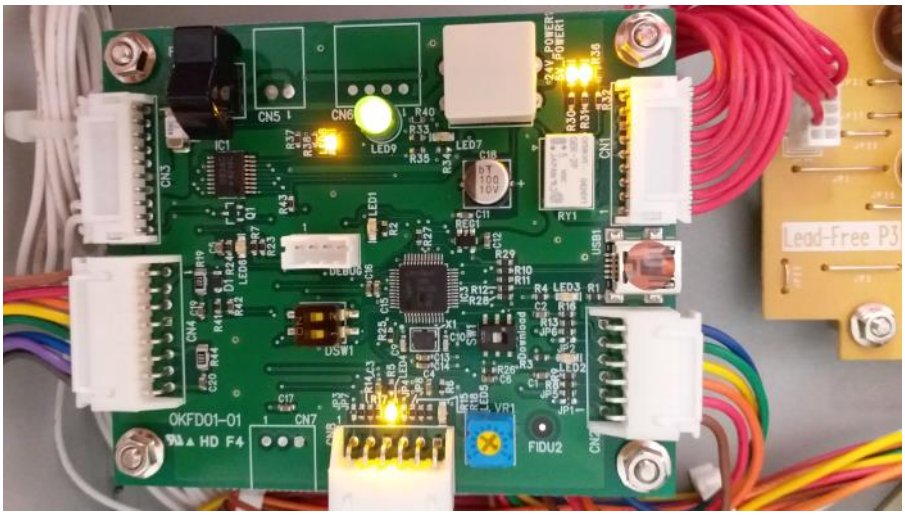
Power On, Cover up
Ambar LEDs Steady
Green LED flashing, 2 sec cycle aprox
Ambar LED flashing



Power On, Cover down.
Ambar LED steady when Micro Switch is actuated with cover down.

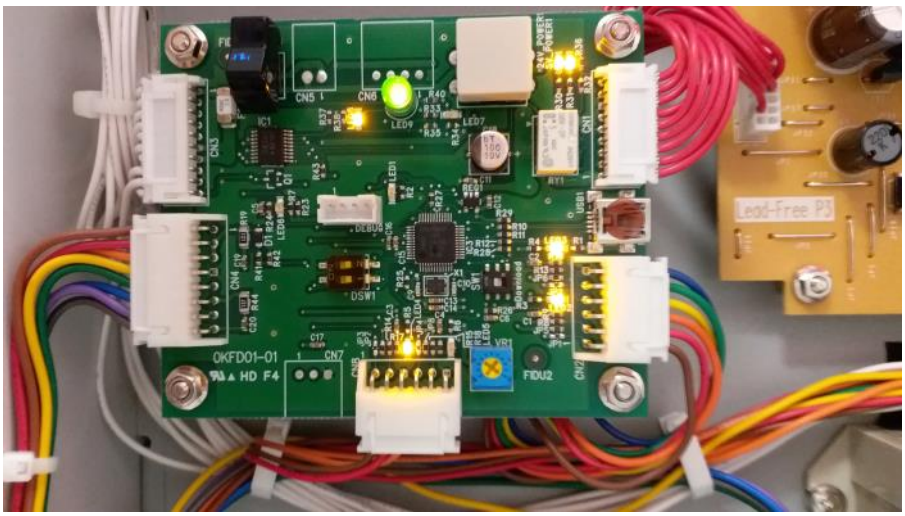


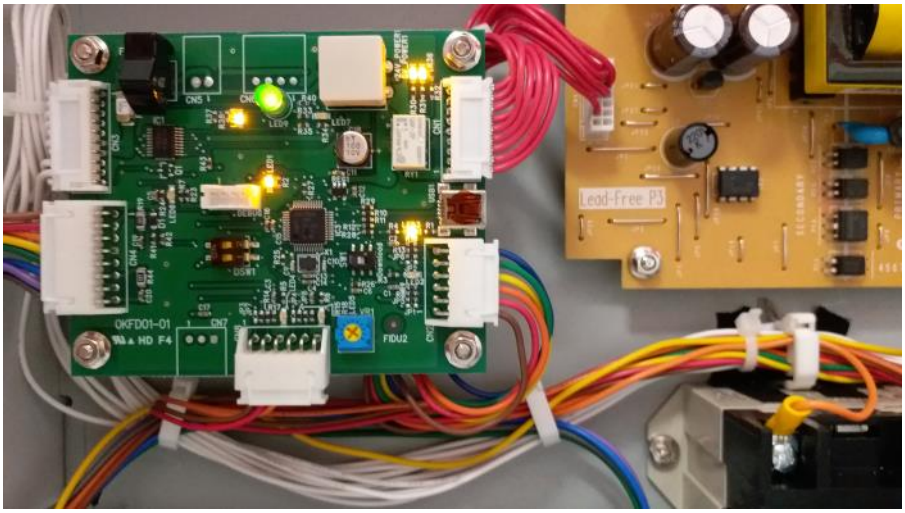
Power On, Cover down.
Ambar LED steady when Micro Switch is actuated with cover down.

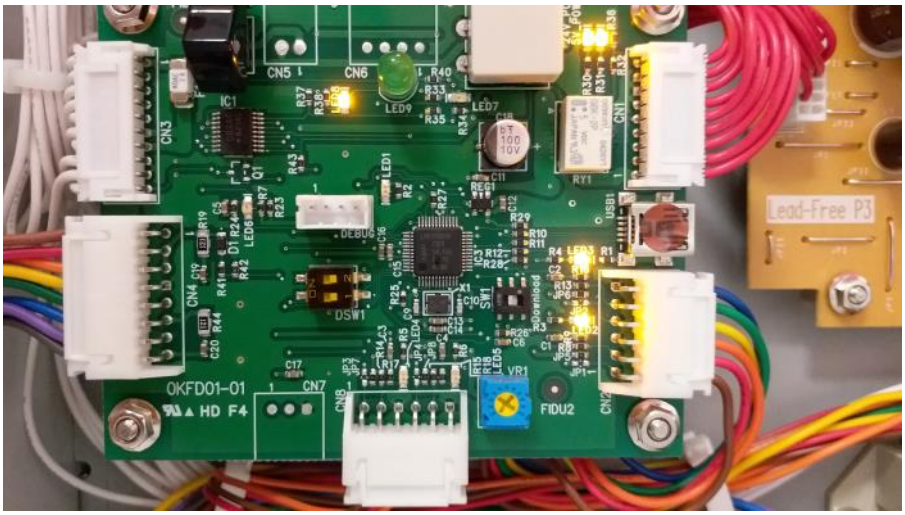


Power On, Cover down.
Ambar LED steady when Micro Switch is actuated with cover down.

First Envelope in position




Lead-Free P3
OKFD01-01
HD F4
FIDU2

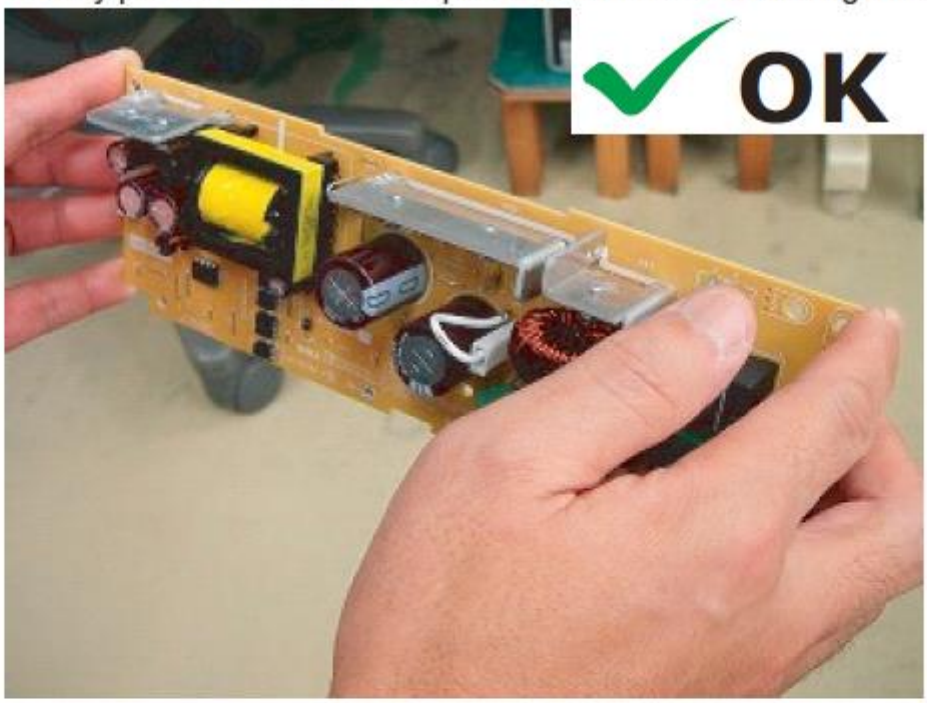

CN5
CN6
IC1
LED9
LED7
CN3
CN1
RY1
Lead-Free P3
DSW1
OKFD01-01
HD F4
CN7
VR1
FIDU2

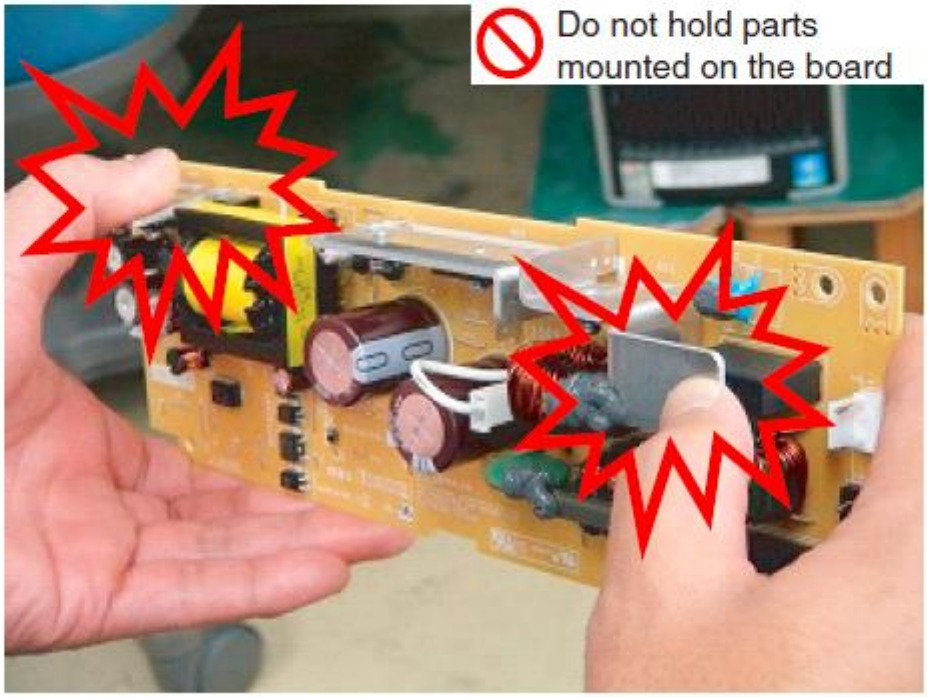
Handling

Thursday, October 4, 2018 3:01 PM

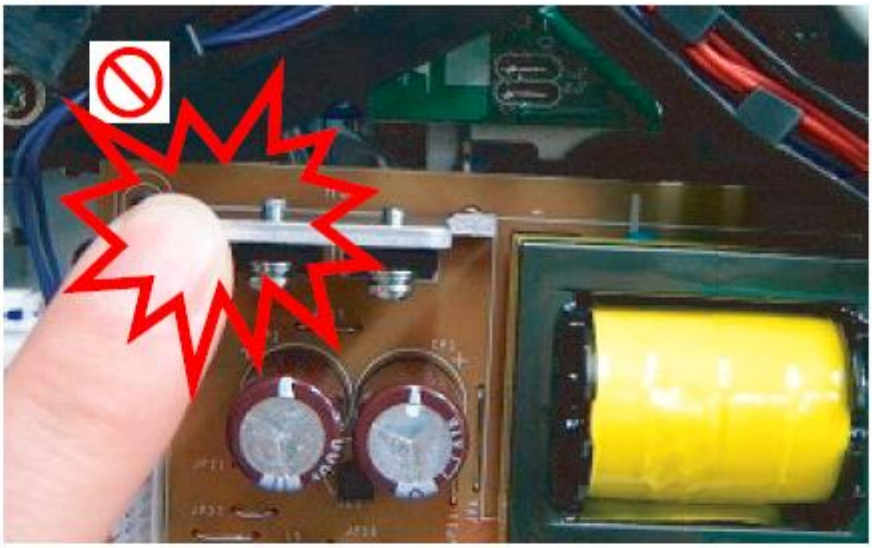
Note!: for the risk of destruction

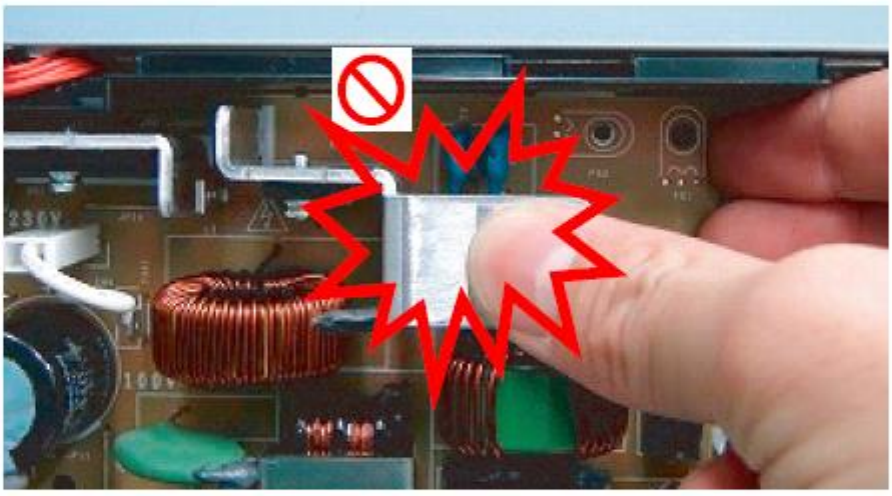
1. Do not hold any parts mounted on the power board when removing the board.

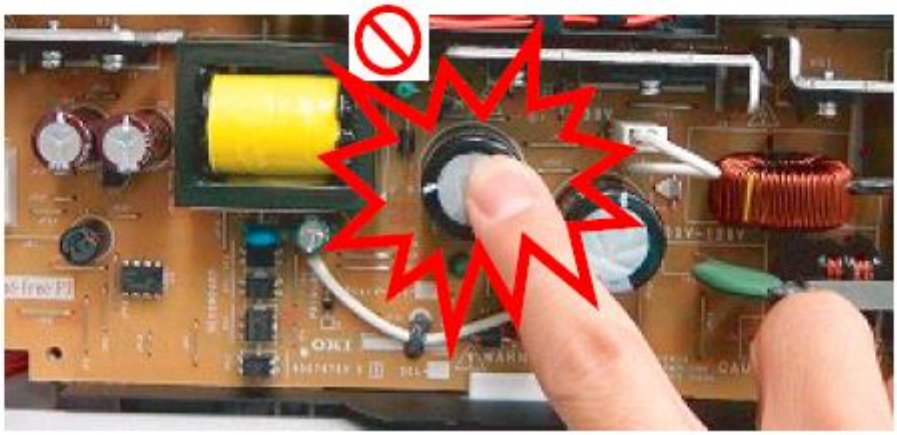




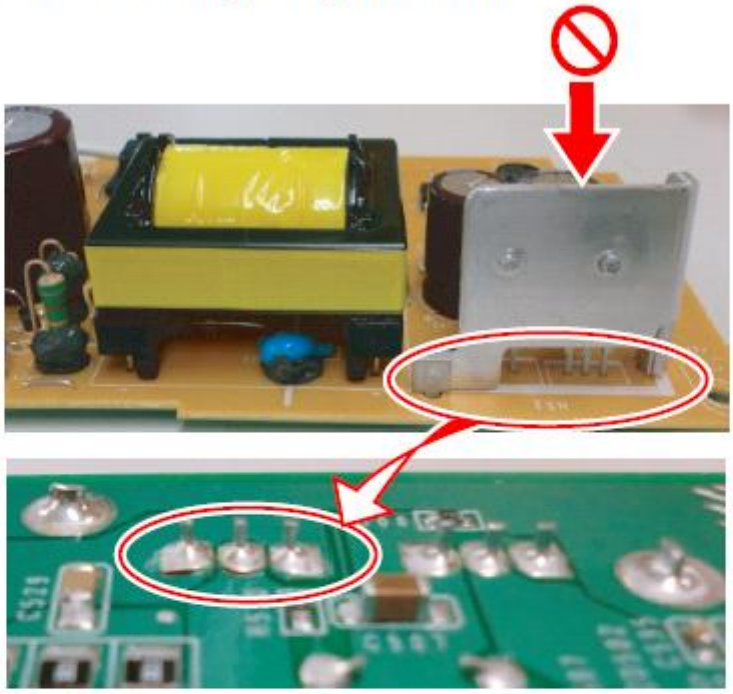
2. Do not push the parts mounted on the parts or push them against another object such as a table.



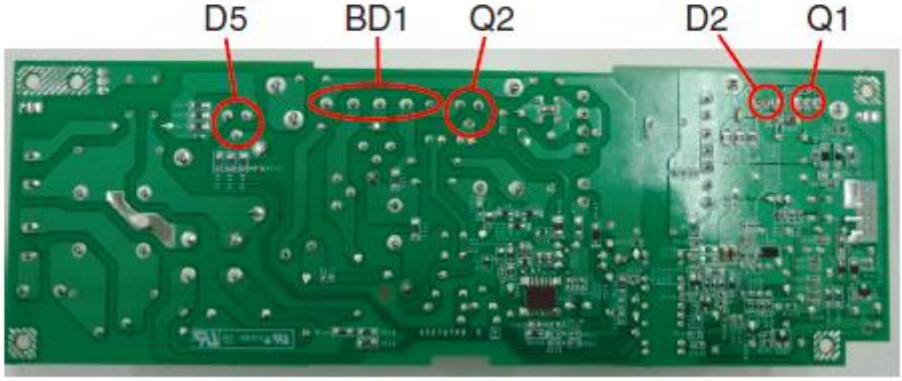




3. Pushing parts causes terminal peeling on the back side.



4. Especially check whether the following D5, BD1, Q2, D2 and Q1 terminals are peeling off when removing the board.



Connector Color Mismatch

Thursday, October 4, 2018 2:49 PM

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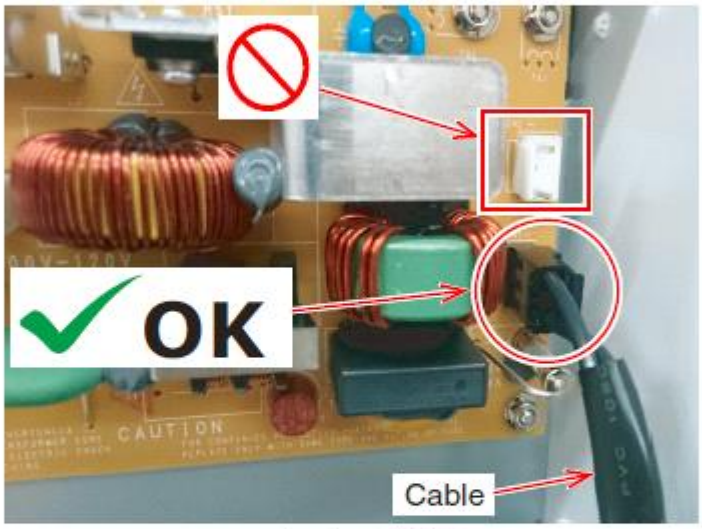
Note!: for connecting a cable

For the production before Oct. / 2016, the colors are mismatched between a cable connector and a socket on OR-Board-30L ④.

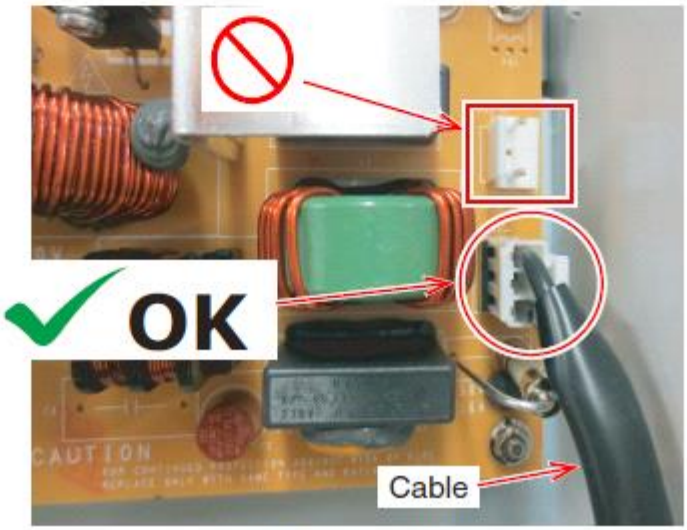
Cable color: white
Socket color: black

So, be careful for to do not connecting to the other wrong connector.

For the production after Dec. / 2016, the cable color is change to black as same as the socket color in following pictures.



<after Dec. / 2016>



<befor Dec. / 2016>