

Model: ARDF DF3090		Date: 30-Oct-14	No.: RD779002
Subject: Parts Catalog Correction		Prepared by: Y.Kuwabara	
From: Improvement for reverse feeding in ARDF			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

Old P/N	New P/N	Description	Q'ty	Int	Set	Page	Index	Note
D6844721	D6844722	ORIGINAL TABLE	1-1	X/X	O/O			
D6844676	D6844677	TOSHIN BAR SPRING:REVERSE	4-4	X/X	O/O			

### Change:

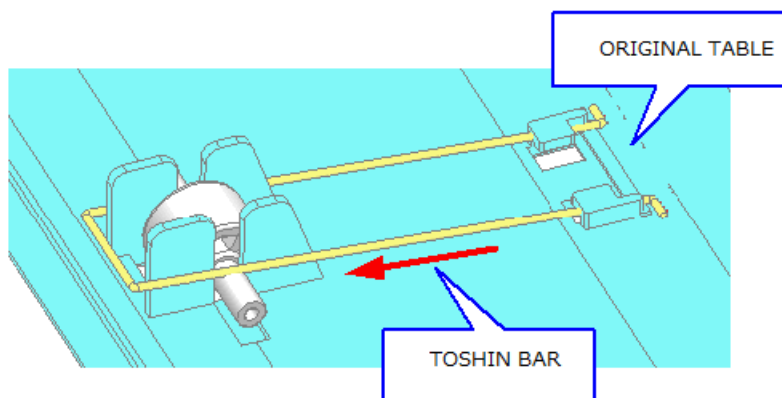
- 1) Added a fixed-position rib to the original table.
- 2) Lengthened the TOSHIN BAR.

**Reason:** To further improve ARDF reverse feed performance.

### IMPORTANT:

To install, do the following.

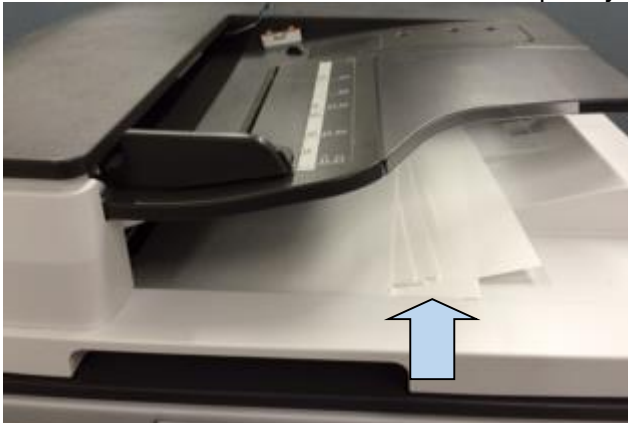
1. Attach the TOSHIN BAR and pull in the direction of the red arrow.
2. Attach the rib to the original table.



Model: ARDF DF3090		Date: 16-Jan-15	No.: RD779003
Subject: Poor stacking on ARDF DF3090 original exit tray		Prepared by: E.Hinata	
From: 1st Tech Service Sect., MFP/P Tech Service Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

## SYMPTOM

Originals fed from ARDF DF3090 are stacked poorly on the original exit tray.

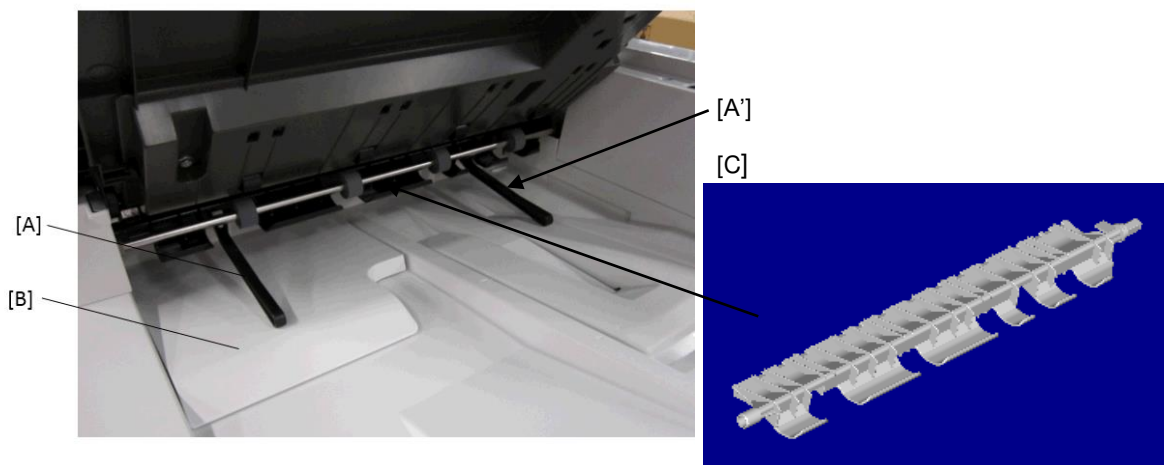


## CAUSE

- Originals are designed to exit slightly faster as soon as scanning completes.
- The original exit tray is not level between the operator and non-operator sides.

## SOLUTION

1. Added one more paper exit lever.  
**Note:** The photo below shows the existing exit lever [A'] and additional exit lever [A].
2. Added an auxiliary tray [B].
3. Modified the gate pawl [C] (to enable addition of a lever).



Model: ARDF DF3090	Date: 16-Jan-15	No.: RD779003
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#	Old part number	New part number	Description	Q'ty	Int
A, A'	-	D6843731	LEVER:EXIT	-	1
B	-	D6841550	TRAY:EXIT:AUXILIARY:ASS'Y	-	1
C	D6843713	D6843717	GATE PAWL:REVERSE	X/O	1

## Production line:

## Cut-in Serial Numbers:

- Option DF

Product code:	Product name:	GER:	Cut-in S/N
D77921	ARDF DF3090	CHN	E934Q480001~
D77917	ARDF DF3090	Other regions	E934Q211320~

- Main machine ARDF Model

Product code:	Product name:	GER:	Cut-in S/N
D14627	MP C3003	EU	E154M220001~
D14727	MP C3503		E164M330001~
D14827	MP C4503		E174M330001~
D14927	MP C5503		E184M330001~
D17627	MP C2003		E204R561006~
D17727	MP C2503		E214R660001~
D14617	MP C3003	NA	E154M360001~
D14717	MP C3503		E164M360001~
D14817	MP C4503		E174M360001~
D14917	MP C5503		E184M360001~
D17617	MP C2003		E204R500254~
D17717	MP C2503		E214R500104~

## In the field:

### 1. Update the firmware

Update the **ADF\_DF3090** firmware to the following version or newer.

Version	Program No.
1.090:02	D7795300E

### 2. Add the lever [A] and tray [B], and replace with the gate pawl [C].

## Procedure:

Estimated time: 30 min~40min.

Model: ARDF DF3090

Date: 16-Jan-15

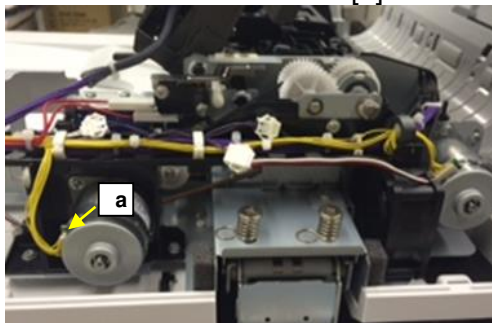
No.: RD779003

● Replacing the gate pawl and adding the lever

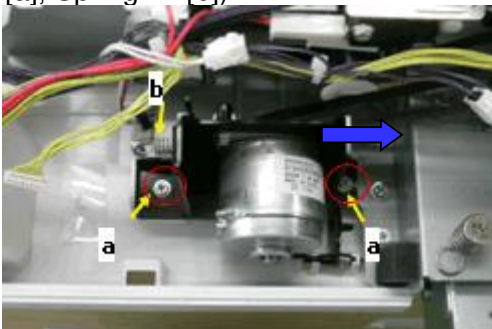
1. Remove the rear cover [a]. (Screw x1, Hook x5)



2. Disconnect the harnesses [a].



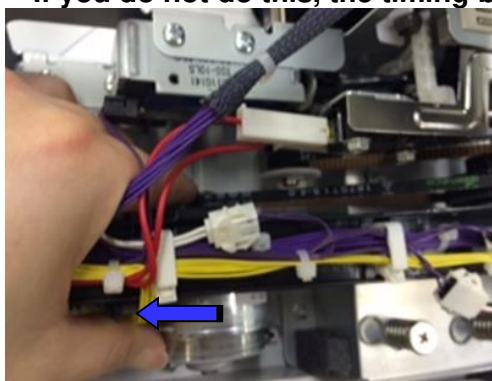
3. Slide the paper feed motor unit in the direction of the blue arrow and remove it. (Screw x2 [a], Spring x1 [b])



**IMPORTANT:** When you re-attach the motor, make sure to do the following:

- Slide the motor in the direction of the blue arrow as far as it will go.
- Hold the motor in this position and tighten the fixing screws.

**\* If you do not do this, the timing belt will loosen and originals cannot be fed.**

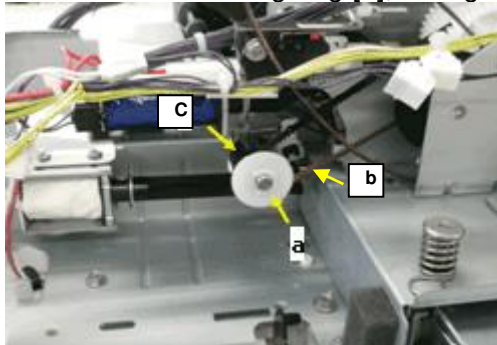


Model: ARDF DF3090

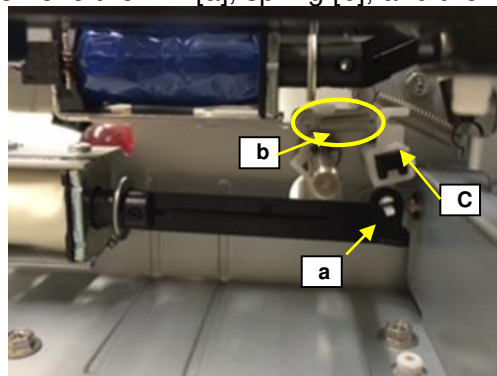
Date: 16-Jan-15

No.: RD779003

4. Remove the retaining ring [a], timing belt [b], and the torque limiter [c].



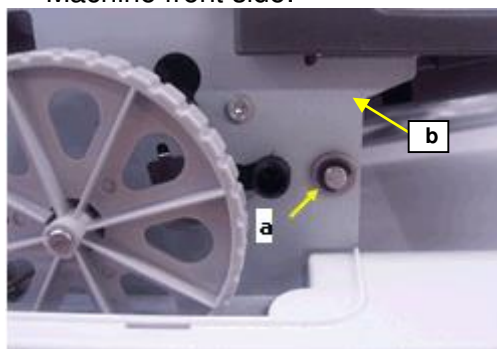
5. Remove the link [a], spring [b], and the hook [c].



6. Remove the front cover. (Screw x1 [a])  
Note: Keep the original tray open when you remove the front cover.



7. Remove the retaining ring [a] and bushing [b].  
Machine front side:



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8. Shift the reverse roller as shown below.



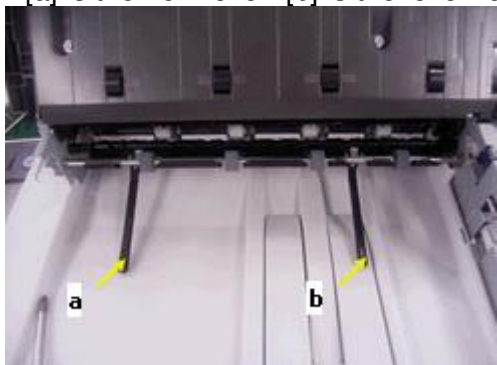
9. Slide the gate pawl [a] in the direction indicated with the red arrows in the photos below and remove it.

Machine front side:



10. Attach two levers to the new gate pawl.
11. Attach the new gate pawl. (D6843717)

\* [a] is the new lever. [b] is the lever removed in Step 8.





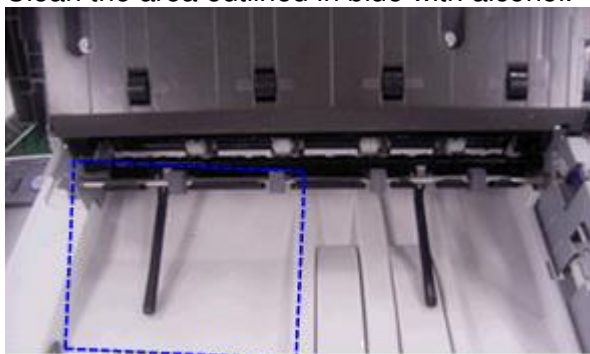
Model: ARDF DF3090

Date: 16-Jan-15

No.: RD779003

● Attaching the auxiliary tray

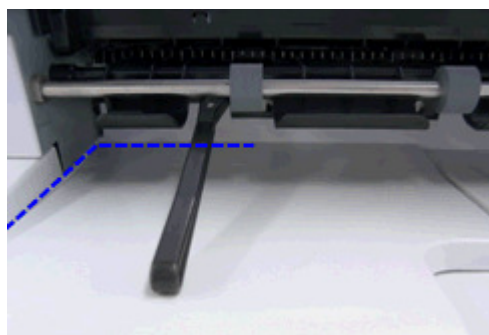
12. Clean the area outlined in blue with alcohol.



13. Wait until the alcohol dries.

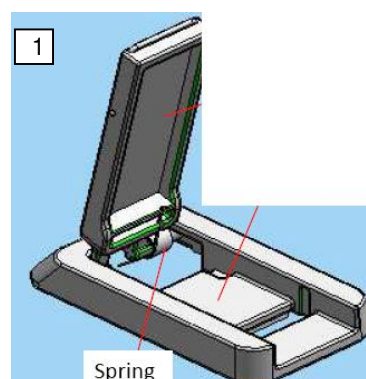
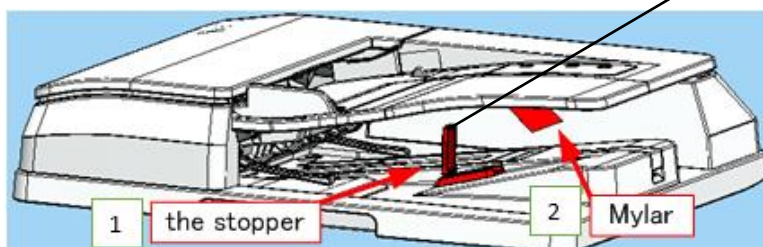
14. Remove the release paper from the double sided tape attached to the auxiliary tray.

15. Attach the auxiliary tray by aligning the corner indicated with the blue dotted lines.



If poor stacking still occurs with A4/LT LEF, attach the following parts.

Attach stopper [1] and Mylar [2] (See **Procedure** below).



#	Part number	Description	Function
1	D6849502	UNIFORM UNIT:PAPER EXIT SUB-UNIT:ASS'Y	Stops the leading edge of <u>A4/LT LEF</u> for higher stacking performance. The stopper will automatically collapse by its spring when feeding A3/DLT originals.

Model: ARDF DF3090		Date: 16-Jan-15	No.: RD779003
2	D6849501	SHEET:EXIT:UNIFORM :AUXILIARY	Prevents A3/DLT originals from catching with the bottom side of the feed tray, which may happen if the scanned originals are lifted up by the stopper.

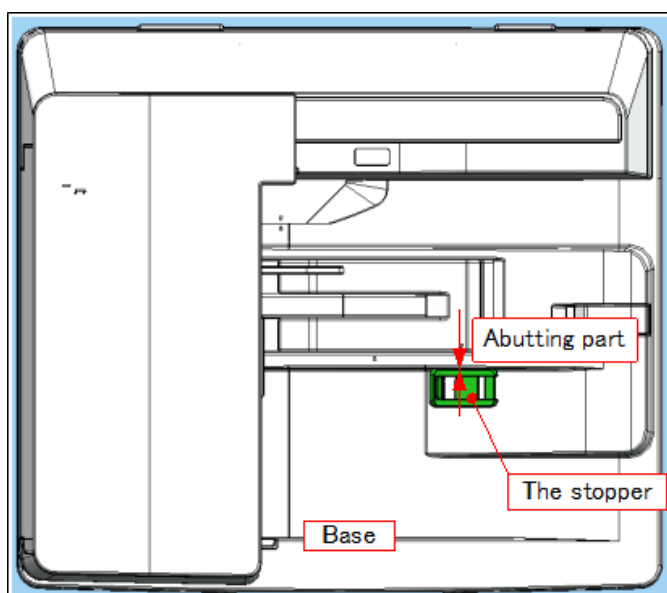
## Note:

- The above parts are not applied to mass production.

## Procedure:

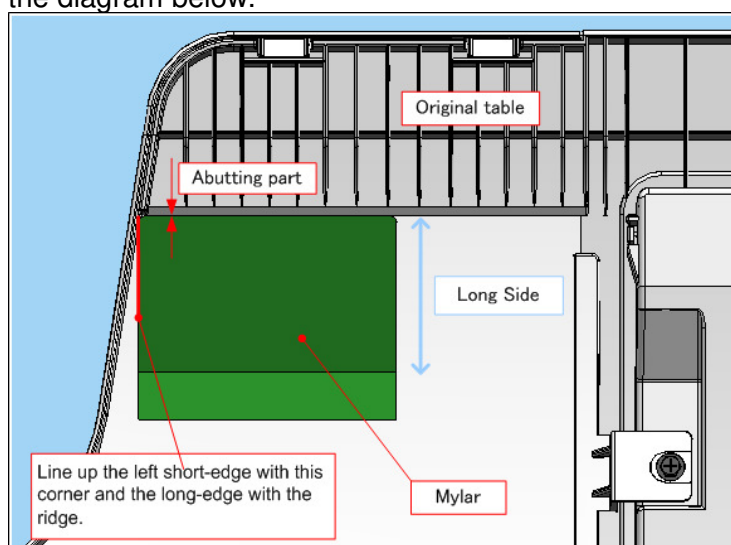
1. Peel off the adhesive covering (paper) from the stopper.
2. Attach the stopper to the ramp as shown in the diagram.

**Important:** Make sure the long end of the stopper is flush against (touching) the side of the paper exit sub-unit, as shown.



3. Attach the Mylar as follows:

- Line up the left long-edge with the corner, and the short-edge with the ridge, as shown in the diagram below.



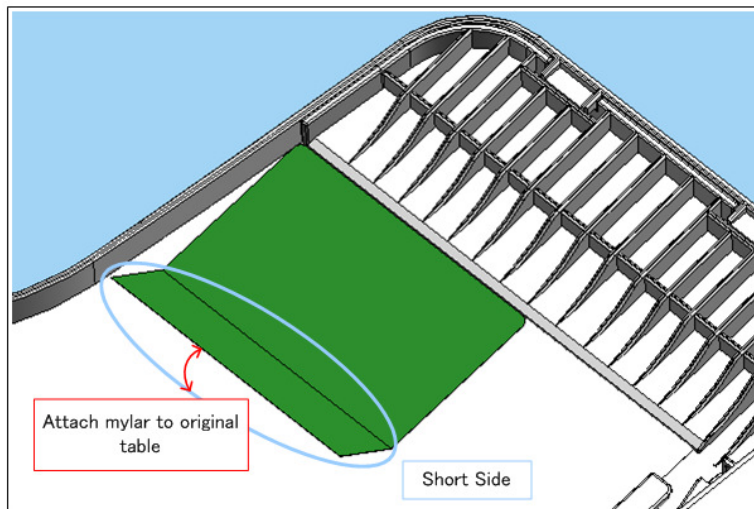


Model: ARDF DF3090

Date: 16-Jan-15

No.: RD779003

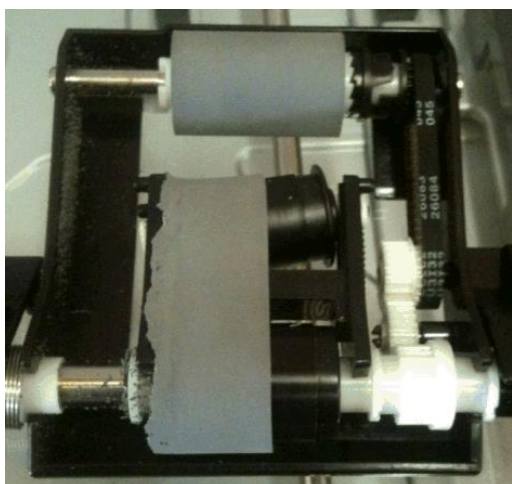
- Peel off the adhesive covering (paper) from the **short side** of the Mylar.
- Attach the short side to the original table, as shown.



Model: MET-C1b		Date: 10-Apr-15	No.: RD147138
Subject: Thread and tear the feed belt		Prepared by: N. Yoshida	
From: 1st Tech Service Sect., MFP/P Tech Service Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

## SYMPTOM

The thread in the feed belt comes apart. Eventually, the belt is torn.



Affected peripherals: DF3080 (SPDF: D683), DF3090 (ARDF: D684)

## CAUSE

When a user pulls jammed paper forcibly toward the front or rear side of machine, the belt shifts to one side and goes over the flange of the roller.

## SOLUTION

Replace the feed belt (D5412121) with the modified part (D6842171).

### NOTE:

With this part change, the material has been changed so as not to shift to one side easily.

Model: MET-C1b		Date: 10-Apr-15	No.: RD147139
Subject: Muti-feeds of originals		Prepared by: N.Yoshida	
From: 1st Tech Service Sect., PP Tech Service Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other (      )	<input type="checkbox"/> Tier 2

## SYMPTOM

Multi-feeds may occur when feeding originals with the DF3030.

## CAUSE

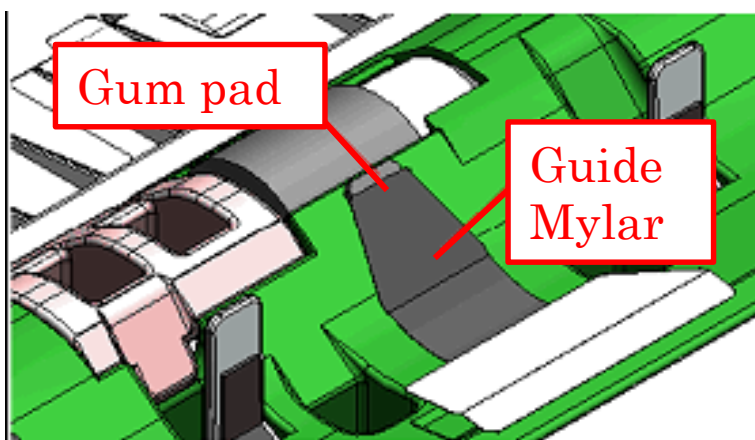
The friction between originals is too high for the friction pad to separate the sheets.

## SOLUTION

### Production line

A rubber pad and guide Mylar were added.

Applied from: March 2015 production.



### In the field

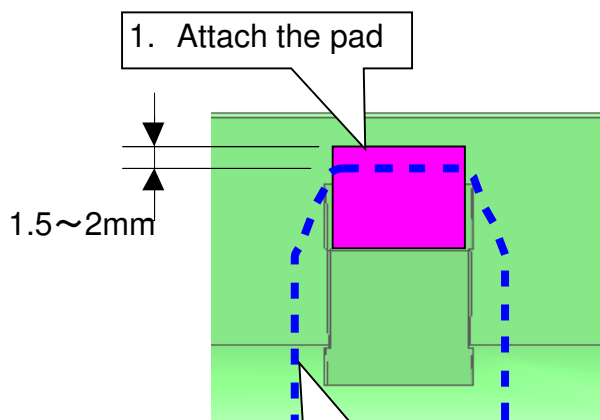
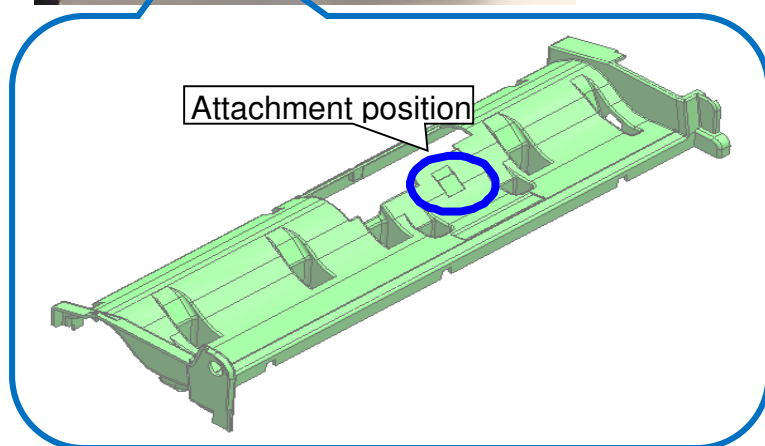
Attach the pad (P/N: D6842314) and Mylar (P/N: D6842313).

**See details on the next page.**

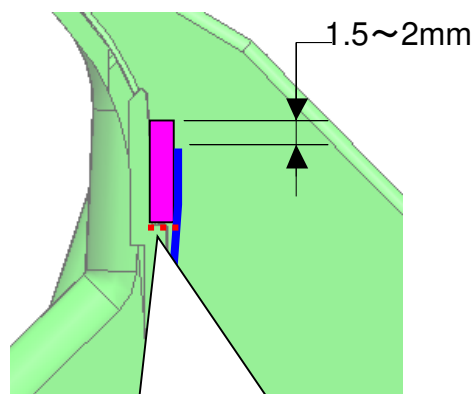
## When you attach the pad and Mylar, make sure to:

- Attach the pad in the attachment position shown in the photo and diagrams.
- Attach the pad so that the bottom edge contacts the gap (see the red dotted line).
- Attach the Mylar so that it overlaps the pad, as shown.
- Attach the Mylar under the sheet, as shown.

Attachment position:



2. Attach the Mylar to overlap the pad.

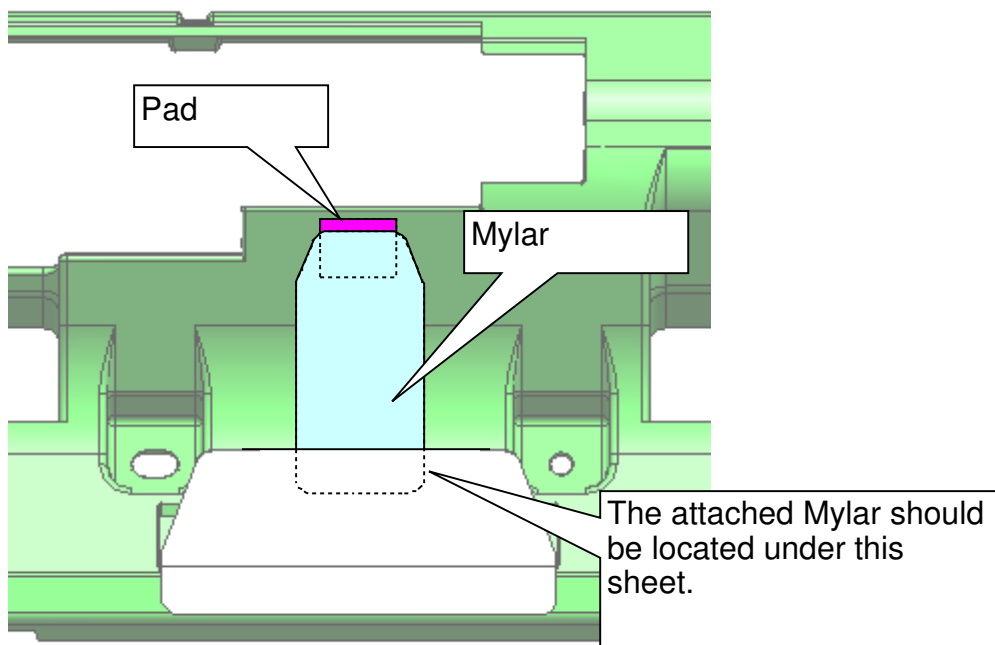


3. The pad should be attached so as that the bottom contacts the gap as shown by the red dotted line.

Model: MET-C1b

Date: 10-Apr-15

No.: RD147139



Model: ARDF DF3090		Date: 17-Jun-16	No.: RD779003
Subject: Parts change information (GUIDE PLATE:SCANNER)		Prepared by: E.Hinata	
From: 1st Tech Service Sect., MFP/P Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

Old part number	New part number	Description	Q'ty	Int
D7793531	-	GUIDE PLATE:SCANNING:ASS'Y	1	
-	D6843532	GUIDE PLATE:SCANNING	1	
-	D7793533	GUIDE:SCANNING:INNER BACK	1	
-	D7793534	GUIDE:SCANNING:FRONT	1	
-	04513006N	TAPPING SCREW - 3X6	1	

## Change:

The scanner guide plate (p/n: D7793531) will no longer be supplied as an assembly due to customs reasons. The components of the guide plate will be supplied individually.

