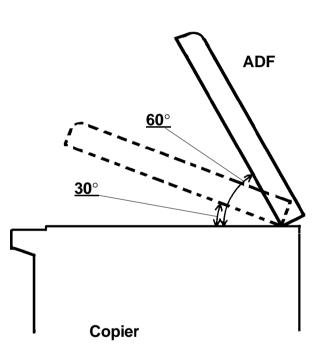
	Model		ADF for F11	(Ricoh DF52)					Volt/Hz	Date of Modification	Serial Nu	umber
Мс	odified Article	Ð	Left Hinge									
Reason for Modification		To ensure th	e DF up and down operation									
Draw Old Parts			New Parts		A.B.C.	Q'ty Used		Part needed for replacer		t by new part	Parts Catalog	
No.	No.		No.	Description	Rank	$\begin{array}{c} \text{Old} \rightarrow \\ \text{New} \end{array}$	change- ability	Part No.	Description		Index No.	Page
	A4221394		A4221393 Left Hinge 1 -		1 1	x/o				4	7	
Interch (1) Whe insta (2) The	angeability: en old and ne all the new pa mark to the l	w pai irt. eft of	the slash indi	hediately. B : Replace with tually interchangeable, use addition cates whether the old part can be angeable o = Interchangeable	onal parts o	r an assemb	ly part as ir	ndicated in "P		placement by ne		ed

Page 2 of 3

DETAILS OF MODIFICATION

When the operator opens the DF, it may open too fast after it reaches approximately 30 degrees as shown in the illustration.

To prevent this, tension of the springs in the DF left hinge has been changed. The new left hinge will not let the DF open too fast even after it reaches approximately 60 degrees.



T.Ito, Manager Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Ricoh DF52	115/60	USA, Canada	A422-17	2330100001
Ricoh DF52	220,240/50	Europe, etc.	A422-27	2330100101

MODIFICATION BULLETIN NO. 07 Page 1 of 2

	ARDF for F	11 (Ricoh DF52	2)		Volt/Hz	Mo	Date of odification	Serial Numbe
Modified Article	Front Fram	е						
Reason for Modification	Parts standardization with ARDF for N230							
Due to pa code O/C		lization with the New P/N	e ARDF for the N230, the front frame Description	has been chan Q'ty Used	ged with the Index No.	i nterch Page		,

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Ricoh DF52	115/60	USA, Canada	A422-17	
Ricoh DF52	220,240/50	Europe, etc.	A422-27	

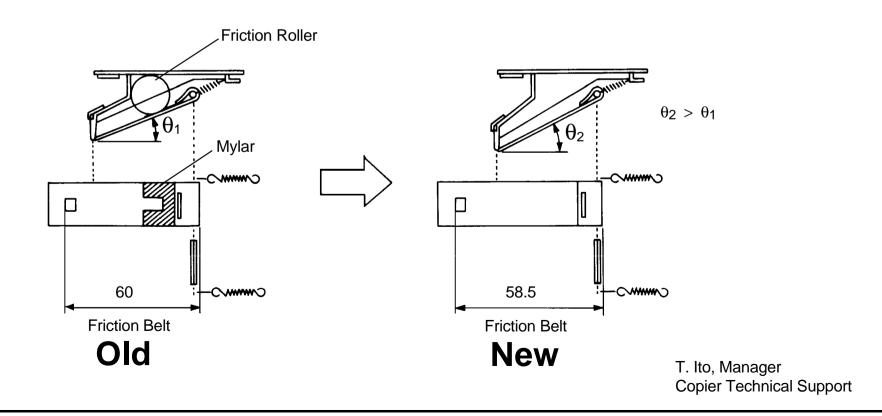
Model	ARDF for F11 (R	icoh DF52)			Volt/Hz	Date of Modification	Serial Numbe	
Modified Article	Belt Pressure Ro	oller						
Reason for Modification	Parts standardiz							
	The interchang	eability is O/O.	with other model, the	e belt pressure	e roller has bee		٦	
	Old P/N	New P/N	Page	-				
	A4221116	A4971101	Belt Pressure Roller	40	3			

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Ricoh DF52	115/60	USA, Canada	A422-17	2331030001
Ricoh DF52	220,240/50	Europe, etc.	A422-27	233104XXXX

							Date of Modification	Serial N	umber			
Мо	dified Article		Friction Belt	and Friction Roller								
Reason for Modification			To ensure separation									
Draw	Old Parts		New Parts		A.B.C. Q'ty Used	Inter-	Part needed	d for replacement	by new part	Parts Ca	atalog	
No.	No.		New Parts No.Description $Old \rightarrow$ Rankchange- abilityPart No.Description		tion	Index No.	Page					
	A4221354		A4971170	Firiction belt		$1 \rightarrow 1$	X/O				69	5
	A4221069 -			Friction Roller		$1 \rightarrow 0$					72	5
Rank: A : Replace with new parts immediately. B : Replace with new parts at time of repair. C : Replace							C : Replace wit	th new parts at tim	e of overhaul			
Intercha (1) Whe insta (2) The	angeability: on old and new Ill the new part mark to the le	v part t. ft of t	s are not mut	ually interchangeable, use additiona ates whether the old part can be us ngeable o = Interchangeable	Il parts oi	an assembl	y part as ir	ndicated in "Pa	arts needed for rep	lacement by ne		sed

To ensure the original separation, we found that it is more effective to increase the angle (θ) as shown. These are the modifications on production machines to change the angle from θ_1 to θ_2 :

- 1. The friction roller has been removed.
- 2. The mylar on the friction belt has been removed.
- 3. The dimension of the friction belt has been changed.



MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Ricoh DF52	115/60	USA, Canada	A422-17	2331050001
Ricoh DF52	220,240/50	Europe, etc.	A422-27	2331050224

Model	ARDF for F11 (Ricoh DF52)	Volt/Hz	Date of Modification	Serial Number	
Modified Article	Harness - Pulse Generator				
Reason for Modification	Parts standardization with other model				
	ue to parts standardization with other model, the pulse generator harness has be the interchangeability is O/O. According to this change, the grounding wire has b				

Old P/N	New P/N	Description	Q'ty	Page	Index
A4225202	→ A4975202	Harness - Pulse Generator	$1 \rightarrow 1$	5	10
A4225212-		Grounding Wire	1 →0	5	95

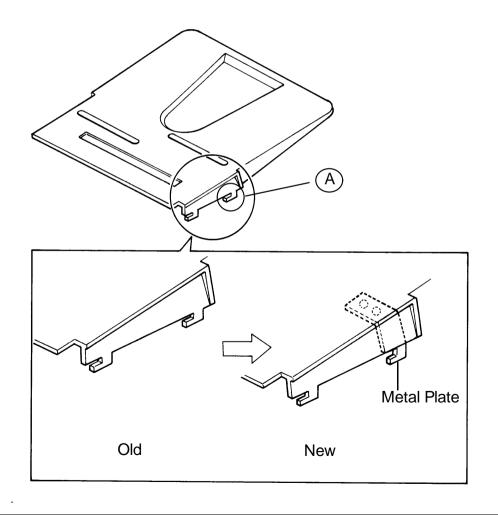
MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Ricoh DF52	115/60	USA, Canada	A422-17	2331090001
Ricoh DF52	220,240/50	Europe, etc.	A422-27	2331090081

MODIFICATION BULLETIN NO. 12 Page 1 of 3

ISSUED ON: January 15, '93

	Model		ARDF for F11	I (Ricoh DF52)						Volt/Hz	Date of Modification	Serial Nu	umber
Мо	dified Article)	Original Tabl	e									
	Reason for Modification		To prevent the original table from being broken										
Draw Old Parts			New Parts	Description		A.B.C.	Q'ty Used	Inter-	Part neede	d for replaceme	nt by new part	Parts Ca	italog
No.	No.		No.	Description		Rank	Old New	change- ability	Part No.	Description		Index No.	Page
A4221323		A3181241	Original Table			$1 \rightarrow 1$	X/O				8	3	
Interch (1) Whe insta (2) The	angeability: en old and ne all the new pa mark to the	ew pa art. left of	new parts immediately. B : Replace with new parts at time of repair. C : Replace rts are not mutually interchangeable, use additional parts or an assembly part as indicated in "F the slash indicates whether the old part can be used in the new machine, and the mark to the = Not interchangeable o = Interchangeable							eplacement by ne	-	ed	

The operators often open and close the DF by holding the original table. After about $1000 \sim 3000$ times, (A) of the original table will break. To prevent this problem, the material of (A) has been changed to metal.



T. Ito, Manager Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Ricoh DF52	115/60	USA, Canada	A422-17	Service Parts Only
Ricoh DF52	220,240/50	Europe, etc.	A422-27	Service Parts Only

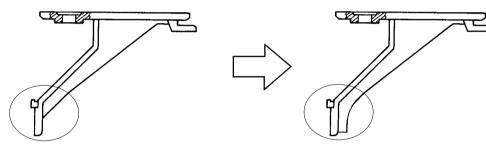
MODIFICATION BULLETIN NO. 13 Page 1 of 5

ISSUED ON: January 15, '93

	Model	ARDF for F1	1 (Ricoh DF52)					Volt/Hz	Date of Modification	Serial Nu	umber
Μ	odified Article	Friction Belt									
	Reason for Modification	To ensure th	e original separation								
Draw	Old Parts	New Parts	Description	A.B.C.	Q'ty Used	Inter- change-	Part neede	d for replacement	or replacement by new part Parts Catalo		talog
No.	No.	No.	Description	Rank	Old New	ability	Part No.	Descrij	otion	Index No.	Page
	A4221352	A4221360	Friction Belt Holder		$1 \rightarrow 1$	X/X	\backslash			68	5
	A4971170	A4221358	Friction Belt		$1 \rightarrow 1$	X/X	> as a set	X/O		69	5
	A4221003	A4971034	Feed Roller		$1 \rightarrow 1$	X/X	/			47	5
		A4971024	Guide Mylar		$0 \rightarrow 1$		/			* 97	5
								*	New Index No.		
Interc (1) W ins (2) Th	stall the new part. he mark to the left c	arts are not mu of the slash ind	mediately. B : Replace utually interchangeable, use ac licates whether the old part car hangeable o = Interchangea	n be used in t	or an assem	bly part as	indicated in "		placement by n		ed

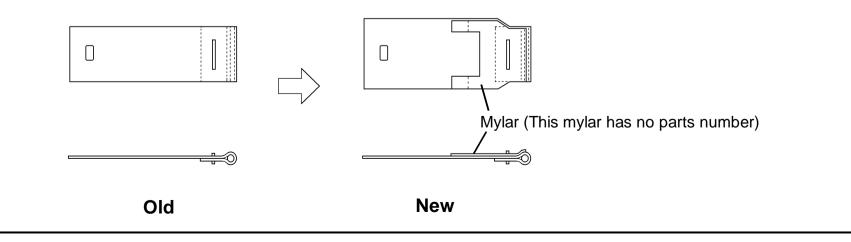
To ensure the original separation, the following parts have been modified.

1. Friction Belt Holder : The configuration of the friction belt holder has been changed as shown.

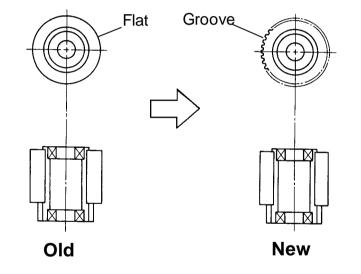


Old New

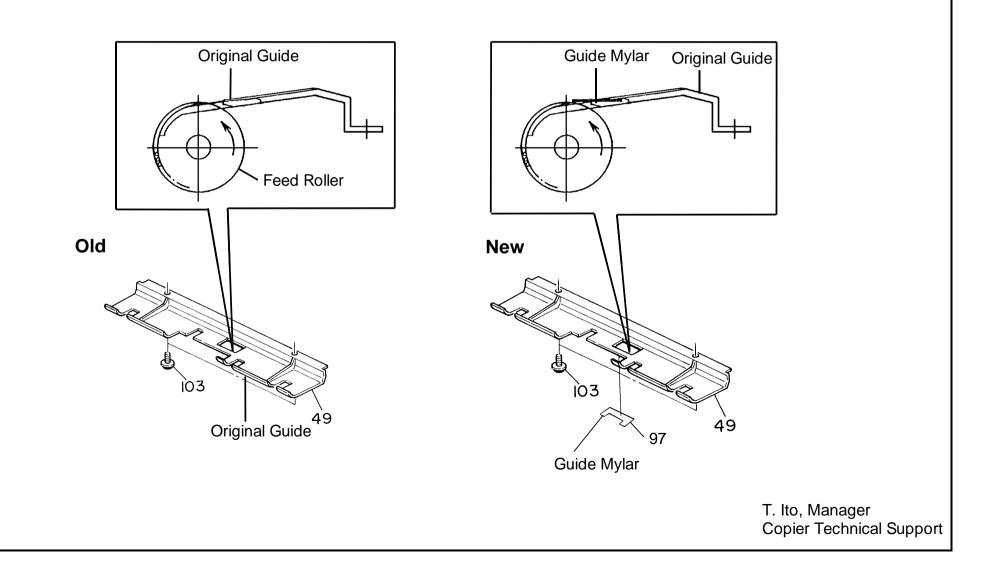
2. Friction Belt : The configuration of the belt has been changed and a mylar has been added to improve feeding of the original.



3. Original Feed Roller : To improve feeding of the original, the groove has been added to the feed roller.



4. Guide Mylar: A guide mylar has been added to the original guide to improve feeding of the original.



MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Ricoh DF52	115/60	USA, Canada	A422-17	Service Parts Only
Ricoh DF52	220,240/50	Europe, etc.	A422-27	Service Parts Only

MODIFICATION BULLETIN NO. 14 Page 1 of 2

ISSUED ON: January 15, '93

Model	ARDF for F11 (Ricol	n DF52)			Volt/Hz	Date of Modification	Serial Number	
Modified Article	Photocoupler							
Reason for Modification	Due to vendor chan	Due to vendor change						
	Due to vendor c	hange, the follo	wing part has be	en changed. 1	The interchangeability is O/	O	<u></u>	
	Page	Index	Old P/N	New P/N	Description			
	9	119	14030388		Photocoupler - ON3111			
	9	119	L	14030784	Photocoupler - ON3131			
						T. Ito, Manage Copier Techni	er ical Support	

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Ricoh DF52	115/60	USA, Canada	A422-17	Service Parts Only
Ricoh DF52	220,240/50	Europe, etc.	A422-27	Service Parts Only

MODIFICATION BULLETIN NO. 15

PAGE 1 OF 2

ISSUED ON: September 30, '93

Model	ARDF for F11 (Ricoh DF 52)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Covers			
Reason for Modification	Material change			

The material of the following parts have been changed.

NOTE: In this modification, the color of the following parts have been changed from black to silver.

		_	.	Inter-	Parts Catalog		
Old P/N	Old P/N New P/N Description		Q'ty Used	change- ability	Index No.	Page	
A4221500	A4221472	Belt Drive Motor Cover	$1 \rightarrow 1$	0/0	50	3	
A4221183	A4221475	Main Board Cover	$1 \rightarrow 1$	0/0	51	3	
A4221184	A4221481	Feed-out Motor Cover	$1 \rightarrow 1$	0/0	46	3	

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Ricoh DF52	115/60	USA, Canada	A422-17	Service Parts Only
Ricoh DF52	220,240/50	Europe, etc.	A422-27	Service Parts Only

MODIFICATION BULLETIN NO. 16

PAGE 1 OF 2

Model		ARDF for F	F11 (Ricoh DF52)				Volt/Hz	Date of Modification	Serial Number
Modified Artic	cle	Pull-out Br	acket						
Reason for Modificatio	-	To prevent	original misfeed						
original rolle	er starts sensor a	rotating,	s activated by pap the DF upper plat ensor pad is redu	e is warped s	lightly dowr	ward. The c	clearance betwee	n the DF	
Old P/N	New F		D	O'ty Llood	Inter-	Parts C	atalog		
Old P/N	New F	-/IN	Description	Q'ty Used	change- ability	Index No.	Page		
A4651057	A4971	052	Pull-out Bracket	$1 \rightarrow 1$	X/O	3	5		
			50° CD 30° CD 30° CD (C	Sid)	5°° £D 30	4.5 (New)		Лanager Technical Supp	ort

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Ricoh DF52	115/60	USA, Canada	A422-17	Service Parts Only
Ricoh DF52	220,240/50	Europe, etc.	A422-27	Service Parts Only

MODIFICATION BULLETIN NO. 17

PAGE 1 OF 2

							<u>1650ED 011. 50</u>	eptember 30, 93
Model	ARDF f	or F11 (Ricoh DF52)			Vo	olt/Hz	Date of Modification	Serial Number
Modified Article	e Inverter	Roller						
Reason for Modification	Parts st	andardization						
To standardiz	e the parts v	vith other models, the follo	owing parts hav	ve been chan	ged.			
Old P/N	Now P/N	ew P/N Description Q		Inter- change-	Parts	Catalog		
		Description	Q'ty Used	ability	Index No.	Page	•	
A4221210	A4972090	Inverter Roller	$1 \rightarrow 1$	0/0	38	7		
38	Inverter Ro		38	DEEDE	JEJE)	2		
	Ol	L Contraction of the second se		New				
						T. Ito, Ma Copier Te	anager echnical Suppo	ort

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Ricoh DF52	115/60	USA, Canada	A422-17	Service Parts Only
Ricoh DF52	220,240/50	Europe, etc.	A422-27	Service Parts Only