MODIFICATION BULLETIN NO. 1 Page 1 of 3

ISSUED ON: June 30, '91

	Model	ARDF for Mi (Ricoh DF57	210 ,NC11, and N230 7, Savin 9180, NRG RF 3020, info	otec ARDF	IV/II)			Volt/Hz	Date of Modification	Serial N	umber
Мо	dified Article	Decal - Mod	e Confirmation								
	Reason for	To ensure n	ormal mode setting								
Drow	Old Parts	Now Porto		A.B.C.	Q'ty Used	Inter-	Part needed	l for replacemen	t by new part	Parts Catalog	
Draw No.	No.	New Parts No.	Description	Rank	Old → New	change- ability	Part No.	Descri	ption	Index No.	Page
	A4652017	A3182017	Decal - Mode Confirmation		1 → 1	X/O				31	3

Rank: A: Replace with new parts immediately. B: Replace with new parts at time of repair. C: Replace with new parts at time of overhaul. Interchangeability:

⁽¹⁾ When old and new parts are not mutually interchangeable, use additional parts or an assembly part as indicated in "Parts needed for replacement by new part" to install the new part.

⁽²⁾ The mark to the left of the slash indicates whether the old part can be used in the new machine, and the mark to the right indicates whether the new part can be used in the old machine. x = Not interchangeable o = Interchangeable

DETAILS OF MODIFICATION

This A318 ARDF was initially developed for A027 copier, so that the DIP switch factory setting, 101-1 and 101-2 ON, corresponds with A027 copier.

To meet the present conditions, the decal is modified as follows:

Article Modified

1	2	3	4	FUNCTION	
1	1	0	0 (Factory Setting	
1	1	0	0	Normal Mode (only for A027 copier)	
1	0	0	0	Normal Mode (for other copiers)	
1	0	0	1	1 Sided Free Run	
0	1	0	1	2 Sided Free Run	
0	0	1	1	SOL Test (ON:SW101 ON OFF:SW102 ON)	
1	1	0	1	MOTOR TEST (lift switch must be on)	
1	1	1	1	All Indicators On	

- Newly Added

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MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3811031996
NRG RF 3020	115/60	S.America, etc.	A318-16	2471030001
Ricoh DF57	115/60	USA, Canada	A318-17	2701030001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2471030021
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A50310001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2701030386

ISSUED ON: June 30, '91

Model	ADF for M21 (Ricoh DF57	0, NC11, and N230 , Sa0, NRG RF 3020, infotec AF	RDF IV/II)				Volt/Hz	Date of Modification	Serial N	umber
odified Article	Friction Belt	and Friction Roller					_			
Reason for	To ensure se	eparation								
Old Parts	Now Parts		A.B.C.	O'ty Used	Inter-	Part neede	d for replacement	by new part	rt Parts Catalog	
No.	No.	Description	Rank	Old → New	change- ability	Part No.	Description		Index No.	Page
A4221354	A4971170	Firiction belt		1 →1	X/O				69	5
A4221069		Friction Roller		1 →0					72	5
R	Old Parts No. A4221354	Model (Ricoh DF57 odified Article Friction Belt Reason for To ensure set Modification New Parts No. A4221354 A4971170	Reason for Modification Old Parts No. New Parts No. A4221354 A4971170 Firiction Roller Friction Roller Description A4220 A4971170 Firiction belt	(Ricoh DF57, Sa0, NRG RF 3020, infotec ARDF IV/II) odified Article Friction Belt and Friction Roller To ensure separation Old Parts No. New Parts No. Description A.B.C. Rank A4221354 A4971170 Firiction belt	(Ricoh DF57, Sa0, NRG RF 3020, infotec ARDF IV/II) odified Article Friction Belt and Friction Roller To ensure separation Old Parts No. New Parts No. Description A.B.C. Rank Q'ty Used Old → New A4221354 A4971170 Firiction belt 1 →1	Model (Ricoh DF57, Sa0, NRG RF 3020, infotec ARDF IV/II) Indified Article Friction Belt and Friction Roller Reason for Modification To ensure separation Old Parts No. New Parts No. Description A.B.C. Rank Q'ty Used Old → New Change-ability A4221354 A4971170 Firiction belt 1 →1 X/O	(Ricoh DF57, Sa0, NRG RF 3020, infotec ARDF IV/II) Description Consume the priction Belt and Friction Roller	(Ricoh DF57, Sa0, NRG RF 3020, infotec ARDF IV/II) Odified Article Friction Belt and Friction Roller	(Ricoh DF57, Sa0, NRG RF 3020, infotec ARDF IV/II) Modification Friction Belt and Friction Roller To ensure separation Old Parts No. New Parts No. Description A4221354 A4971170 Firiction belt (Ricoh DF57, Sa0, NRG RF 3020, infotec ARDF IV/II) ABLC. Q'ty Used Old → New Parts Annual Part needed for replacement by new part Part No. Description AB.C. Rank AB.C. Q'ty Used Old → New Part No. Part needed for replacement by new part Part No. Description	(Ricoh DF57, Sa0, NRG RF 3020, infotec ARDF IV/II) Odified Article Friction Belt and Friction Roller

Rank: A : Replace with new parts immediately. B : Replace with new parts at time of repair. C : Replace with new parts at time of overhaul. Interchangeability:

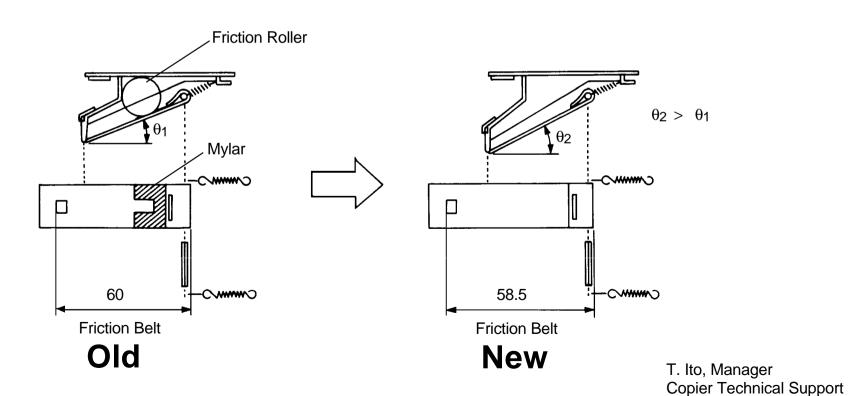
⁽¹⁾ When old and new parts are not mutually interchangeable, use additional parts or an assembly part as indicated in "Parts needed for replacement by new part" to install the new part.

⁽²⁾ The mark to the left of the slash indicates whether the old part can be used in the new machine, and the mark to the right indicates whether the new part can be used in the old machine. x = Not interchangeable o = Interchangeable

DETAILS OF MODIFICATION

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.



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MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3811031996
NRG RF 3020	115/60	S.America, etc.	A318-16	247107XXXX
Ricoh DF57	115/60	USA, Canada	A318-17	2701040001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2471040001
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A50410001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2701042374

Model	ARDF for M210, NC11, and N230 (Ricoh DF57, Savin 9180, NRG RF 3020, infotec ARDF IV/II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Software			
Reason for	To improve original misfeed reset (M210 only)			
Modification	To improve original misloca reset (Wiz to oriny)			

To improve original misfeed reset only on the M210, the software has been changed.

Old P/N	New P/N	Description	Q'ty	Interchangeability	Page	Index
A4655180	A4655185	IC - D27 128A-2	1→1	X/O	8	2

Refer to RTB of M210 (ARDF) 007.

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3811063001
NRG RF 3020	115/60	S.America, etc.	A318-16	2471080001
Ricoh DF57	115/60	USA, Canada	A318-17	2701060001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2471060001
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A50910001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2701061246

Model	ARDF for M210, NC11, N210, N220 and N230 (Ricoh DF57, Savin 9180, NRG RF 3020, infotec ARDF IV/II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Parts Catalog			
Reason for Modification	Parts catalogue correction			

Please correct your parts catalogue as follows:

Old P/N	Old Description	New P/N	New Description	Q'ty	Page	Index
11050011	Nylon Clip - 8N	11050034	Nylon Clip - 7N	1→1	7	119

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MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	
NRG RF 3020	115/60	S.America, etc.	A318-16	
Ricoh DF57	115/60	USA, Canada	A318-17	
NRG RF 3020	220,240/50	Europe, etc.	A318-25	
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	
Ricoh DF57	220,240/50	Europe, etc.	A318-27	

Model	ARDF for M210, NC11, N210, N220 and N230 (Ricoh DF57, Savin 9180, NRG RF 3020, infotec ARDF IV/II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Main board, feed-in motor and caution decal - fuse			
Reason for	Vendor change and to meet the UL standards			
Modification	vendor change and to meet the or standards			

The feed-in motor is now procured from the new vendor and the part number has been changed. To meet the UL standards for the new motor, the fuse specification printed on the main board has been changed from "FU101 3A" to "FU101 F3A/125V, and a caution decal has been added to the inside of the DF upper cover. The old and new parts' interchangeability is O/O, except in the U.S.A.

Old P/N	New P/N	Description	Q'ty	Interchangeability	Page	Index
A4655190	A4655175	DF Main Board	1→1	O/O	9	*
A4225300	AX060043	Feed-in Motor	1→1	O/O	5	83
	AA000072	Caution Decal - Fuse	0→1	_	7	* 56

Note: The old motor (A4225300) is still used on other models.

* 56 : New Index Number

Reissued on: September 30, '92

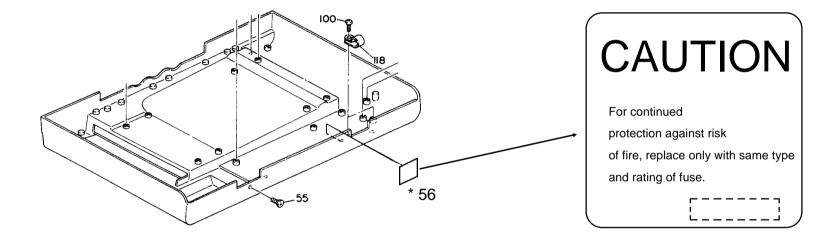
ISSUED ON: September 30, '91

Reissued on: September 30, '92 ISSUED ON: September 30, '91

MODIFICATION BULLETIN NO. 5

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DETAILS OF MODIFICATION



MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	
NRG RF 3020	115/60	S.America, etc.	A318-16	2471080001
Ricoh DF57	115/60	USA, Canada	A318-17	
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2471060001
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A50910001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2701061246

Model	ARDF for M210, NC11, N210, N220 and N230 (Ricoh DF57, Savin 9180, NRG RF 3020, infotec ARDF IV/II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Main board, feed-in motor and caution decal - fuse			
Reason for				
Modification	To meet UL standards			
ou.ioution				

Because the feed- in motor has been discontinued, a new motor is supplied. To meet the UL standards, the main board has been modified to match the new motor used, and a caution decal has been added. The fuse specification printed on the main board has been changed from "FU1 01 3A" to "FU1 01 F3A/125V, and a caution decal has been added to the inside of the DF upper cover.

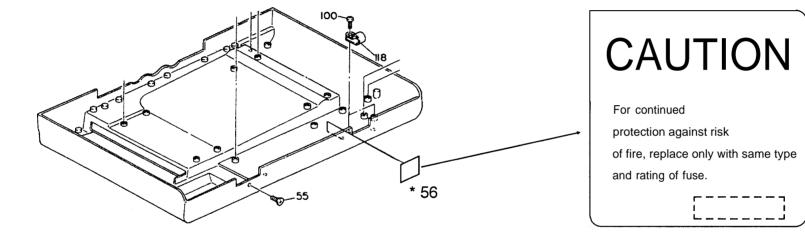
Old P/N	New P/N	Description	Q'ty	Interchangeability	Page	Index
A4655190	A4655175	DF Main Board	1-1	0/0	9	*
A4225300	A3189500	Feed-in Motor (See NOTE below)	1-1	0/0	5	83
	AA000072	Caution Decal - Fuse	0- 1	_	7	*56

* 56: New Index Number

ISSUED ON: September 30,'91

NOTE: The feed-in motor (A3189500) is composed of the new feed-in motor and the **decal** (P/N: AA000072). When installing the new motor on document feeders produced before this modification, attach the caution decal on the DF upper cover (see next page).

DETAILS OF MODIFICATION



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ISSUED ON: September 30,'91

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3811063001
NRG RF 3020	115/60	S.America, etc.	A318 16	
Ricoh DF57	115/60	USA, Canada	A31 8-17	2701060001
NRG DE 2020	220,240/50	Europe, etc	A218_25	
INFOTEC ARDE IV/III	220.240/50	Europe	A318-26	
Ricoh DF57	220,240/50	Europe, ete	A318-27	

Model	ARDF for M210, NC11, N210, N220, and N230 (Ricoh DF57, Savin 9180 ARDF, Nashua RF 3020, Infotec ARDF IV/II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Feed-in Motor Harness			
Reason for Modification	Part standardization with other ARDF			

Due to part standardization with other ARDF, the Feed-in Motor Harness has been changed. The interchangeability is O/O.

Old P/N	New P/N	Description	Q'ty Used	Interchangeability	Index No.	Page
A4225204	A3385204	Feed-in Motor Harness	1 →1	O/O	84	5

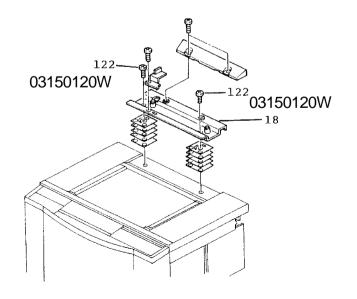
MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	381108XXXX
NRG RF 3020	115/60	S.America, etc.	A318-16	2471080001
Ricoh DF57	115/60	USA, Canada	A318-17	2701080001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2471080001
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A50810001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2701081226

Model	ARDF for M210, NC11, N210, N220, and N230 (Ricoh DF57, Savin 9180 ARDF, Nashua RF 3020, Infotec ARDF IV/II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Philips Pan Head Screw - M5 x 10			
Reason for				
Modification	To install the ARDF onto the new product			
modification				

To install the ARDF onto the new product, these screws which secure the Mounting Bracket (Index # 18) is changed from 10mm long to 12mm.

Old P/N	New P/N	Description	Q'ty Used	Interchangeability	Index No.	Page
03150100W	03150120W	Philips Pan Head Screw M5 x 12	2 → 2	X/O	122	3

1. EXTERIOR & TRANSPORT SECTION (A318) (Page 2)



T. Ito, Manager Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	381108XXXX
NRG RF 3020	115/60	S.America, etc.	A318-16	2471080001
Ricoh DF57	115/60	USA, Canada	A318-17	2701080001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2471080001
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A50810001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2701081226

Reissued on: January 31, '92 ISSUED ON: December 15, '91

MODIFICATION BULLETIN NO. 9

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Model	ARDF for M210, NC11, N210, N220, and N230 (Ricoh DF57, Savin9180 ARDF, Nashua RF3020, Infotec ARDF IV/II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Harness - Pulse Generator			
Reason for	Part standardization with other ARDF			
Modification				

Due to part standardization with other ARDF, the Harness - Pulse Generator has been changed. The new Harness - Pulse Generator is an assembly of a relay harness and a grounding wire. The interchangeability is X/O.

Old P/N	New P/N	Description	Q'ty Used	Interchangeability	Index No.	Page
A4225202	A4975202	Harness Pulse Generator	1 →1	X/O	10	5
A4225212		Grounding Wire	1 →0		88	5

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3811104246
NRG RF 3020	115/60	S.America, etc.	A318-16	2471100001
Ricoh DF57	115/60	USA, Canada	A318-17	2701100001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2471100007
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A51010001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2701101451

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1 - 3

	Model		RDF for M210, NC11 and NCX, N210, N220 and N230 ticoh DF57, Savin 9180ARDF, Nashua RF3020, Infotec ARDF IV / II)						Date of Modification	Serial Nu	umber
Мо	odified Article	DF Mounting	g Bracket								
	Reason for	To install the	e ARDF onto the new product								
Draw	Old Parts	New Parts	Decembrish	A.B.C.	u ty Usea	Inter-	Part neede	d for replacemen	t by new part	Parts Ca	atalog
No.	No.	No.	Description	Rank	Old → New	change- ability	Part No.	Descri	ption	Index No.	Page
	A4651195	A3181195	Mounting Bracket		1 → 1	X/O				* 18 → 66	1 - 3
		A3181530	DF Halfway Sensor Actuator		** 1 → 1					62	1 - 3

** $1 \rightarrow 1$

Note: * This ARDF has two mounting brackets as accessories. Each brackets has its own part numbe r, but both have the same index number (No.18).

So, to identify these two mounting brackets, a new index number (No.66) is set to the new mounting bracket.

Philips Pan Head Screw -

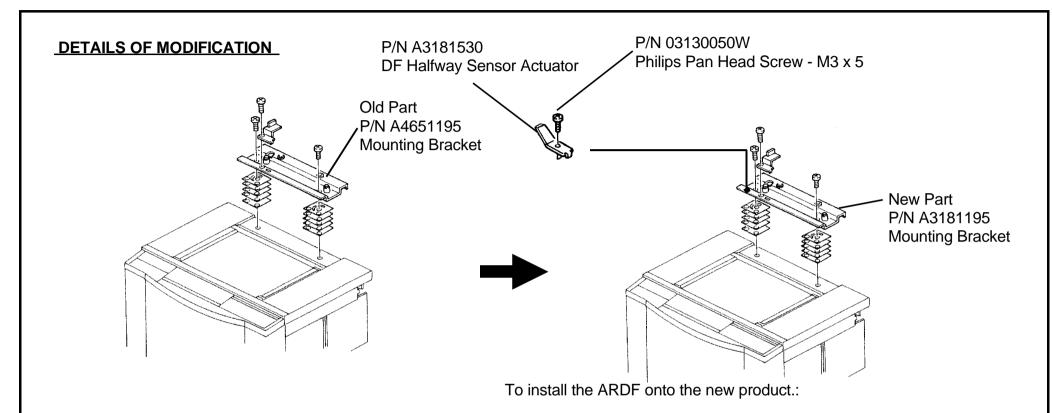
M3 x 5

03130050W

** These two parts (A3181530, 03130050W) are already described in the parts list on page 1-3. Please add them only in the illustration on page 1-2.

Rank: A : Replace with new parts immediately. B : Replace with new parts at time of repair. C : Replace with new parts at time of overhaul. Interchangeability:

- (1) When old and new parts are not mutually interchangeable, use additional parts or an assembly part as indicated in "Parts needed for replacement by new part" to install the new part.
- (2) The mark to the left of the slash indicates whether the old part can be used in the new machine, and the mark to the right indicates whether the new part can be used in the old machine. x = Not interchangeable o = Interchangeable



- 1. A screw hole and a positioning hole to accept a DF Halfway Sensor Actuator are added to the Mounting Bracket.
- 2. A Philips Pan Head Screw M3 x 5 and a DF Halfway Sensor Actuator are newly added.

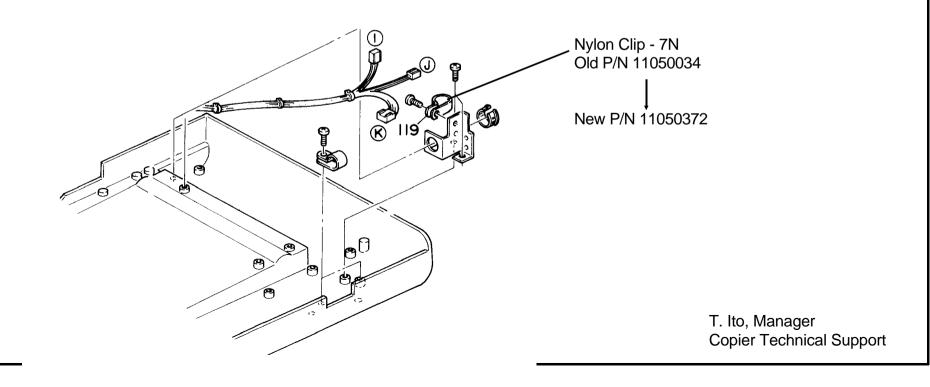
Note: Before, the DF Halfway Sensor Actuator could only be installed with the Mounting Brac ket "A3181191". By this modification, this actuator can also be installed with Mounting Bracket "A3181195". Since only one of the Mounting Brackets (A3181191, A3181195) is used to install the ARDF on the copier, the quantity of Actuator (A3181530) and fixing screw (03130050W) as accessory parts of the ARDF ar e the same.

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3811031996
NRG RF 3020	115/60	S.America, etc.	A318-16	First Production
Ricoh DF57	115/60	USA, Canada	A318-17	2701020001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	First Production
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A50310001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2701030386

Model	ARDF for M210, NC11 and NCX, N210, N220 and N230 (Ricoh DF57, Savin 9180ARDF, Nashua RF3020, Infotec ARDF IV / II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Harness Clamp			
Reason for	To meet UL standard			
Modification				

To meet UL standard a harness clamp has been modified to UL approved type. The interchangeability i s X/O.

Old P/N	New P/N	Description	Q'ty Used	Interchangeability	Index No.	Page
11050034	11050372	Nylon Clip - 7N	1 →1	X/O	119	7



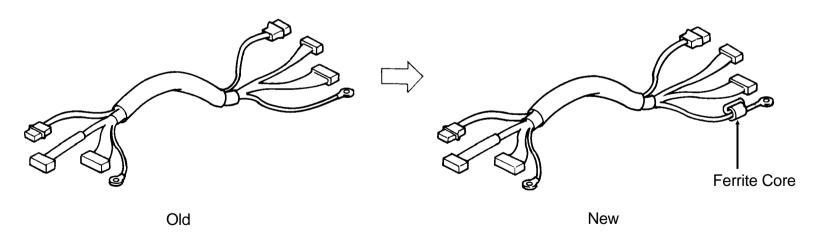
ISSUED ON: February 15, '92

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3811104246
NRG RF 3020	115/60	S.America, etc.	A318-16	2471100001
Ricoh DF57	115/60	USA, Canada	A318-17	2701100001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2471100007
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A51010001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2471101451

Model	ARDF for M210, NC11, N210, N220 and N230 (Ricoh DF57, Savin 9180 ARDF, Nashua RF3020, infotec ARDF IV/II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Interface Harness			
Reason for	To meet VDE standard			
Modification	To fileet VDE Standard			

A ferrite core has been added to the interface harness.

Old Parts No.	New Parts No.	Description	Q'ty Used	Interchangeability	Parts C	Catalog
Old Falts No.	New Faits No.	Description	Q ty Osed	interchangeability	Index No.	Page
A3185205	A3185206	Interface Harness	1 →1	X/O	7	7



MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318 15	
NRG RF 3020	115/60	S.America, etc.	A318-16	
Ricoh DF57	115/60	USA, Canada	A318-17	
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2472020003
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A50220001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2702020561

	ARDF for M210, NC11, N210, N220, N230 (Ricoh DF57, Savin 9180 ARDF, Nashua RF3020, infotec ARDF IV / II)	Volt/Hz	Date of Modification	Serial Number
Modified Article F	Feed - in Motor			
Reason for Modification	Parts standardization			

To standardize parts with other models, the feed-in motor has been changed.

Old P/N	New P/N	Description	Q'ty	Interchangeability	Index No.	Page
AX060043	AX060067	Feed-in Motor	1 → 1	0/0	83	5

T. Ito, Manager Copier Technical Support

ISSUED ON: April 15, '92

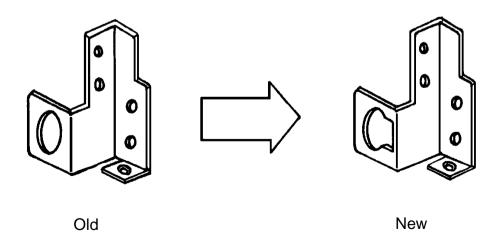
ISSUED ON: April 15, '92

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3812035889
NRG RF 3020	115/60	S.America, etc.	A318-16	2472030001
Ricoh DF57	115/60	USA, Canada	A318-17	2702030001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2472030009
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A50320001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2702030551

Model	ARDF for M210, NC11, N210, N220, N230 (Ricoh DF57 Savin 9180 ARDF, Nashua RF 3020, Infotec ARDF IV/II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	I/F Harness Bracket			
Reason for Modification	To facilitate assembly			

As we have informed you of the modification by MB no. 12, a ferrite core has been added to the I/F harness. The shape of the hole on the I/F harness bracket has been changed so that the modified harness can pass through the hole.

Old P/	New P/N	Description	Q'ty Used	Interchangeability	Index No.	Page
A49715	OO A3181611	I/F Harness Bracket	1 → 1	X/O	11	7



MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	
NRG RF 3020	115/60	S.America, etc.	A318-16	
Ricoh DF57	115/60	USA, Canada	A318-17	
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2472040113
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A50420001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2702040841

MODIFICATION BULLETIN NO. 15 Page 1 of 3

	Model		210, NC11, N210, N230 7, SAVIN 9180 ARDF, Nashua	Volt/Hz	Date of Modification	Serial N	umber				
Мо	odified Article	Original Tab	le								
	Reason for	To prevent t	he original table from being br	oken							
Draw	Old Parts	Id Parts No. New Parts No.		A.B.C.	Q'ty Used	Inter-	Part neede	d for replacement by new part		Parts Catalog	
No.	No.		Description	Rank	Old - New Change-			Descr	otion Index No.		Page
	A3181327	A3181242	Original Table (SAVIN)		1 → 1	X/O				8	3
	A3181328	A3181243	Original Table (NRG)		1 → 1	X/O				8	3
	A4221323	A3181241	Original Table (Ricoh)		1 → 1	X/O				8	3
	A4651328	A3181244	Original Table (Infotec)		1 → 1	X/O				8	3

Rank: A: Replace with new parts immediately. B: Replace with new parts at time of repair. C: Replace Interchangeability:

C : Replace with new parts at time of overhaul.

ISSUED ON: June 30, '92

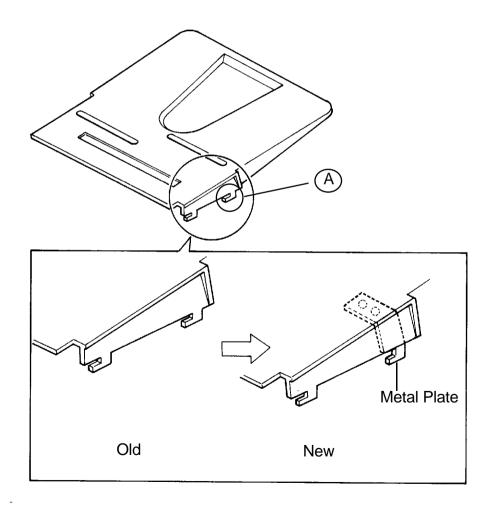
(1) When old and new parts are not mutually interchangeable, use additional parts or an assembly part as indicated in "Parts needed for replacement by new part" to install the new part.

(2) The mark to the left of the slash indicates whether the old part can be used in the new machine, and the mark to the right indicates whether the new part can be used in the old machine. x = Not interchangeable o = Interchangeable

ISSUED ON: June 30, '92

DETAILS OF MODIFICATION

The operators often open and close the DF by holding the original table After about 1000 ~ 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

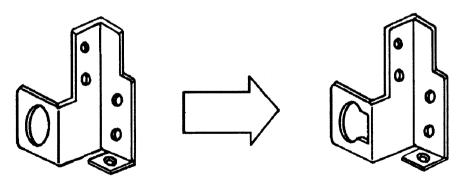
ISSUED ON: June 30, '92

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3812056387
NRG RF 3020	115/60	S.America, etc.	A318-16	247206XXXX
Ricoh DF57	115/60	USA, Canada	A318-17	2702050001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2472050001
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A50520001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2702051036

Model	ARDF for M210, NC11. N210, N220, N230 (Ricoh DF57, Savin9180 ARDF, Nashua RF3020, infotec ARDF IV / II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	I/F Harness Bracket			
Reason for	Parts standardization			
Modification				

To standardize parts with other models, the I/F harness bracket has been changed.

Old P/N	New P/N	Description	Q'ty Used	Interchangeability	Index No.	Page
A4971500	A3181611	I/F Harness Bracket	1 - 1	0/0	11	7



Old New

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MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	
NRG RF 3020	115/60	S. America, etc.	A318-16	
Ricoh DF57	115/60	USA, Canada	A318-17	
NRG RF 3020	220,240/50	Europe, etc.	A318 25	
INFOTEC ARDE IV/II	220.240/50	Furone	<u> </u>	
Ricoh DF57	220,240/50	Europe, etc.	A318 27	

Reissued on: September 30, '92

ISSUED ON: August 31, '92

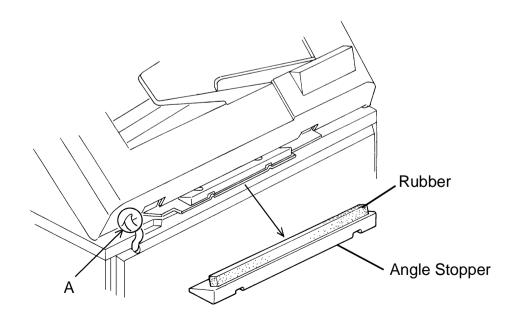
MODIFICATION BULLETIN NO. 17

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Model	ARDF for M210, NC11, NC - X, N210, N220, N230 (Ricoh DF57, SAVIN 9180 ARDF, Nashua RF3020, infotec ARDF IV/II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Angle Stopper			
Reason for Modification	To prevent the I/F harness from being broken.			

After the operator many times opens and closes the DF which is installed on the N230, the platen cover/DF position sensor harness will break at the position (A) in the following figure. To prevent this problem, a rubber has been added to the angle stopper.

Old P/N	New P/N	Description	Interchangeability	Q'ty	Index No.	Page
A4651125	A3181550	Angle Stopper	X/O	1 → 1	15	3



T. Ito, Manager Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3812066908
NRG RF 3020	115/60	S.America, etc.	A318-16	2472060001
Ricoh DF57	115/60	USA, Canada	A318-17	2702060001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2472060009
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A50620001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2702060961

MODIFICATION BULLETIN NO. 18 Page 1 of 2

Reissued on: August 15, '93 Reissued on: October 15, '92 ISSUED ON: September 15 '92

Model	ARDF for M210, NC11, NC-X, N210, N220, N230 (Ricoh DF57, SAVIN 9180 ARDF, Nashua RF3020, infotec ARDF IV/II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Main Board			
Reason for Modification	To prevent a document from being damaged.			

After copying in platen mode, operators sometimes forget on the exposure glass. If the next operator makes a copy using the ADF, the forgotten original might be damaged. To prevent this, the copier will not allow copies to be made unless the first original is removed. However, if the machine is turned off, the copier will not remember that the first original is on the exposure glass. To prevent this problem, a ROM on the DF main board has been changed.

Old P/N	New P/N	Description	Q'ty Used	Interchangeability	Index No.	Page
A4655175	A4655176	DF Main Board	1 → 1	X/O	9	7 9
A4655185	A4655187	IC - D27128A-2	1 → 1	X/O	2	9

T. Ito, Manager Copier Technical Support

MODIFICATION BULLETIN NO. 18

Page	2	of	2
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MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3812077528
NRG RF 3020	115/60	S.America, etc.	A318-16	2472070001
Ricoh DF57	115/60	USA, Canada	A318-17	2702070001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2472070009
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A50720001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2702071242

Model	ARDF for M210, NC11, NC-X, N220, N230 (Ricoh DF57, Savin 9180 ARDF, Nashua RF3020, infotec ARDF IV / II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Feed - in Motor			
Reason for Modification	Parts standardization			

To standardize parts with other models, the feed-in motor has been changed.

Old P/N	New P/N	Description	Q'ty	Interchangeability	Index No.	Page
AX060043	AX060067	Feed-in Motor	1 → 1	O/O	83	5

T. Ito, Manager Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	
NRG RF 3020	115/60	S.America, etc.	A318-16	
Ricoh DF57	115/60	USA, Canada	A318-17	
NRG RF 3020	220,240/50	Europe, etc.	A318-25	
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	
Ricoh DF57	220,240/50	Europe, etc.	A318-27	

MODIFICATION BULLETIN NO. 20

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ISSUED ON: January 15, '93

Draw	Old Parts	New Parts	Description	A.B.C.	Q'ty Used			Parts Ca	atalog	
No.	No.	No.	Description	Rank	Old New	change- ability	Part No.	Description	Index No.	Page
	A4221352	A4221360	Friction Belt Holder		1 →1	X/X	\		68	5
	A4971170	A4221358	Friction Belt		1 →1	X/X	as a set	X/O	69	5
	A4221003	A4971034	Feed Roller		1 →1	X/X			47	5
		A4971024	Guide Mylar		0 →1		/		* 100	5
								* New Index No.		

Rank: A: Replace with new parts immediately. Interchangeability:

B: Replace with new parts at time of repair.

C: Replace with new parts at time of overhaul.

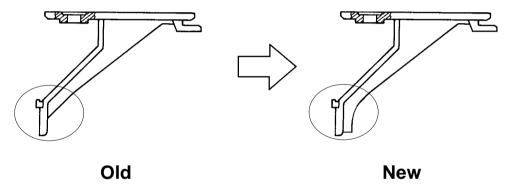
(1) When old and new parts are not mutually interchangeable, use additional parts or an assembly part as indicated in "Parts needed for replacement by new part" to install the new part.

(2) The mark to the left of the slash indicates whether the old part can be used in the new machine, and the mark to the right indicates whether the new part can be used in the old machine. x = Not interchangeable o = Interchangeable

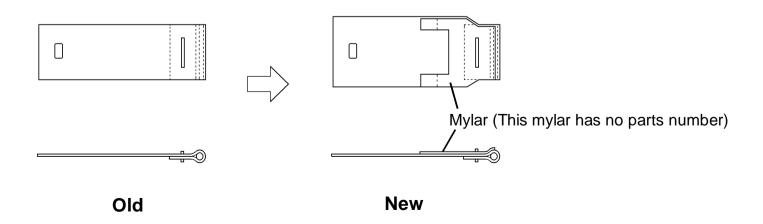
DETAILS OF MODIFICATION

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.

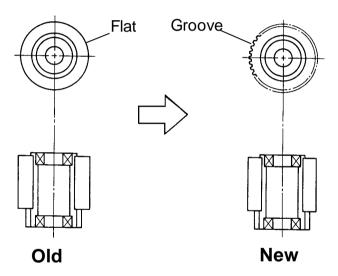


2. Friction Belt: The configuration of the belt has been changed and a mylar has been added to improve feeding of the original.



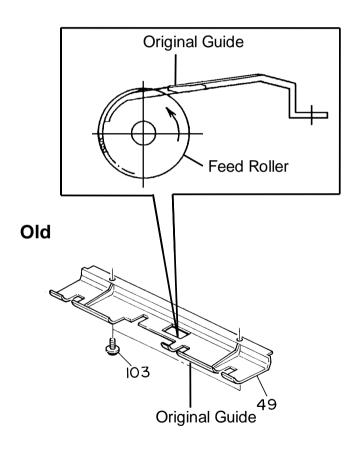
DETAILS OF MODIFICATION

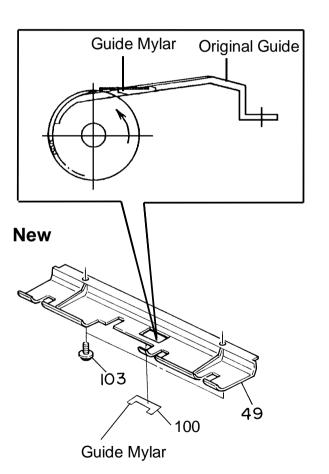
3. Original Feed Roller: To improve feeding of the original, the groove has been added to the feed roller.



DETAILS OF MODIFICATION

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





T. Ito, Manager Copier Technical Support

ISSUED	ON: January	v 15.	93
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MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3812108813
NRG RF 3020	115/60	S.America, etc.	A318-16	2472100001
Ricoh DF57	115/60	USA, Canada	A318-17	2702100001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2472100013
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A51020001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2702100761

MODIFICATION BULLETIN NO. 21

Page 1 of 2

Model	ARDF for M210, NC11, NC - X, N210, N220, N230 (Ricoh DF57, Savin 9180 ARDF, Nashua RF3020, Infotec ARDF IV /II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Photocoupler			
Reason for Modification	Due to vendor change			

Due to vendor change, the following part has been changed. The interchangeability is O/O.

Page	Index	Old P/N	New P/N	Description
9	119	14030388		Photocoupler - ON3111
9	119		14030784	Photocoupler - ON3131

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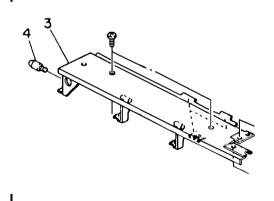
ISSUED ON: January 15, '93

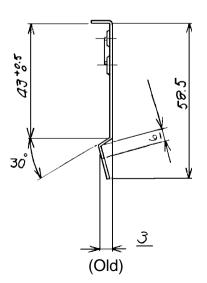
MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	
NRG RF 3020	115/60	S.America, etc.	A318-16	
Ricoh DF57	115/60	USA, Canada	A318-17	
NRG RF 3020	220,240/50	Europe, etc.	A318-25	
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	
Ricoh DF57	220,240/50	Europe, etc.	A318-27	

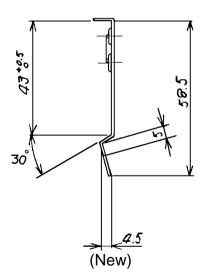
Model	ARDF for M210, NC-11, NC-X, N210, N220, N230 (Ricoh DF57, Savin 9180 ARDF, Nashua RF3020, Infotec ARDF IV/II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Pull-out Bracket			
Reason for Modification	To prevent original misfeed			

The DF registration sensor is activated by paper dust on the sensor pad, affecting its color. This is because, when the original roller starts rotating, the DF upper plate is warped slightly downward. The clearance between the DF registration sensor and the sensor pad is reduced. To prevent this the pull-out bracket has been modified to improve the clearance.

011541	5.4.			Inter-	Parts Catalog		
Old P/N	New P/N	Description	Q'ty Used	change- ability	Index No.	Page	
A4651057	A4971052	Pull-out Bracket	1 → 1	X/O	3	5	







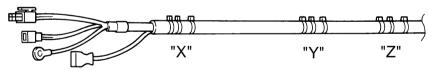
T. Ito, Manager Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3813039521
NRG RF 3020	115/60	S.America, etc.	A318-16	247304XXXX
Ricoh DF57	115/60	USA, Canada	A318-17	2703030001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2473030001
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A50330001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2703030761

Model	ARDF for M210, NC-11, NC-X, N210, N220, N230 and Pigeon (Ricoh DF57, Savin 9180 ARDF, Nashua RF3020, Infotec ARDF IV/II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Interface Harness			
Reason for Modification	To equip this ARDF with the Pigeon series			

To equip this ARDF with the Pigeon series, binders for the clamp position have been added.

Old P/N	N 50			Inter-	Parts Catalog	
	New P/N	Description	Q'ty Used	change- ability	Index No.	Page
A3185205	A3185207	Interface Harness - 115V	1 → 1	X/O	7 *	7 15



(These binders have been added)

NOTE: The clamp position of the DF harness with the bushing or clamp is different for each machine as follows:

"X" position A027 copier

"Y" Position A030, A048, A054, A072 and A075 copiers

"Z" position A110 and A111 copiers

T. Ito, Manager Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3813039521
NRG RF 3020	115/60	S.America, etc.	A318-16	247304XXXX
Ricoh DF57	115/60	USA, Canada	A318-17	2703030001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	
Ricoh DF57	220,240/50	Europe, etc.	A318-27	

Model	ARDF for M210, NC-11, NC-X, N210, N220, N230 and Pigeon (Ricoh DF57, Savin 9180 ARDF, Nashua RF3020, Infotec ARDF IV / II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Covers			
Reason for Modification	Material change			

To change the material, the following parts have been changed.

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

Old P/N New P/				Inter-	Parts Catalog	
	New P/N	ew P/N Description	Q'ty Used	change- ability	Index No.	Page
A3181499	A3181171	Belt Drive Motor Cover	1 → 1	O/O	50	3
A3181184	A3181181	Feed-out Motor Cover	1 → 1	O/O	46	3
A4221183	A4221475	Main Motor Cover	1 → 1	O/O	51	3

T. Ito, Manager Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3813049989
NRG RF 3020	115/60	S.America, etc.	A318-16	2473060001
Ricoh DF57	115/60	USA, Canada	A318-17	2703040001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2473040252
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A50430001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2703040786

Model	ARDF for M210, NC-11, NC-X, N210, N220, N230 and Pigeon (Ricoh DF57, Savin 9180 ARDF, Nashua RF3020, Infotec ARDF IV / II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Inverter Roller			
Reason for Modification	Parts standardization			

To standardize the parts with other models, the following parts have been changed.

2	/	N 501		Inter-	Parts Catalog	
Old P/N	New P/N	Description	Q'ty Used	change- ability	Index No.	Page
A4221210	A4972090	Inverter Roller	1 → 1	0/0	38	7

Inverter Roller

Old New

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MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3813040144
NRG RF 3020	115/60	S.America, etc.	A318-16	2473060001
Ricoh DF57	115/60	USA, Canada	A318-17	2703040001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2473050001
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A50530001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2703040886

Model	ARDF for M210, NC-11, NC-X, N210, N220, N230 and Pigeon (Ricoh DF57, Savin 9180 ARDF, Nashua RF3020, Infotec ARDF IV / II)		Date of Modification	Serial Number
Modified Article	DF Main Board			
Reason for Modification	To prevent an original from being damaged			

				Inter-	Parts Catalog	
Old P/N	New P/N	Description	Description Q'ty Used	change- ability	Index No.	Page
A4655176	A4655177	DF Main Board	1 → 1	X/O	9	7 9
A4655187	A4655140	IC - D27128A-2	1 → 1	X/O	2	9

We have modified the software in the ROM on the DF main board to prevent originals from being damaged (refer to the MB no. 18). The modification solved the problem when the main switch was turned off but not when the front cover was opened. When opening the front cover of an N220 series machine, the main power supply is interrupted. So, the same kind of original damage is likely to occur. To prevent this problem, a ROM on the DF main board has been changed.

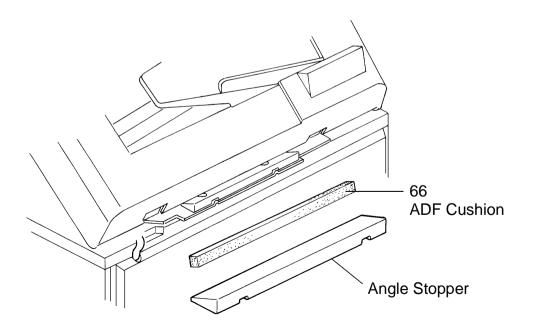
T. Ito, Manager Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	381360595
NRG RF 3020	115/60	S.America, etc.	A318-16	2473060001
Ricoh DF57	115/60	USA, Canada	A318-17	2703060509
NRG RF 3020	220,240/50	Europe, etc.	A318-25	247307XXXX
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A5073XXXX
Ricoh DF57	220,240/50	Europe, etc.	A318-27	270307XXXX

Model	Model ARDF for M210, NC11, NC-X, N210, N220, N230 and Pigeon (Ricoh DF57, SAVIN 9180 ARDF, Nashua RF3020, infotec ARDF IV / II)			Serial Number
Modified Article	ADF Cushion			
Reason for Modification	To facilitate servicing			

To facilitate servicing, the ADF cushion on the angle stopper has been registered as a service parts.

New P/N	'		Index No.	Page
A3181560	ADF Cushion	0 → 1	67	3



T. Ito, Manager Copier Technical Support

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	
NRG RF 3020	115/60	S.America, etc.	A318-16	
Ricoh DF57	115/60	USA, Canada	A318-17	
NRG RF 3020	220,240/50	Europe, etc.	A318-25	
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	
Ricoh DF57	220,240/50	Europe, etc.	A318-27	

Model	ARDF for M210, NC11, NC-X, N210, N220, N230, Pigeon and Ibis (Ricoh DF57, SAVIN 9180 ARDF, Nashua RF3020, Infotec ARDF IV / II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	ROM on the DF main board			
Reason for Modification	To increase the margin against mis-sensing			

To increase the margin against mis-sensing of the original set sensor, the Rom has been changed.

Old P/N				Inter-	Parts C	Catalog
	New P/N	Description	Q'ty Used	change- ability	Index No.	Page
A4655140	A4655145	IC - MBM27C128A - 2	1 → 1	0/0	2	9

S. Hamano, Assistant General Manager Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3814023882
NRG RF 3020	115/60	S.America, etc.	A318-16	2474020001
Ricoh DF57	115/60	USA, Canada	A318-17	2704020001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	247404XXXX
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A5044XXXX
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2704021022

Model	ADF for M210, NC11, NC-X, N210, N220, N230, Pigeon and Ibis (Ricoh DF57, SAVIN 9180ARDF, Nashua RF3020, Infotec ARDF IV / II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Microswitch			
Reason for Modification	Due to vendor change			

Due to vendor change, the microswitch has been changed.

Old P/N			2	Inter-	Parts Catalog		
	New P/N	Description	Q'ty Used	change- ability	Index No.	Page	
12041319	12042398	Microswitch	1 → 1	0/0	122	7	

S. Hamano, Assistant General Manager Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	
NRG RF 3020	NRG RF 3020 115/60		A318-16	
Ricoh DF57	115/60	USA, Canada	A318-17	
NRG RF 3020	220,240/50	Europe, etc.	A318-25	
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	
Ricoh DF57	220,240/50	Europe, etc.	A318-27	

ISSUED ON: July 15, '95

Model	ADF for M210, NC11, NX-X, N210, N220, N230, Pigeon and Ibis (Ricoh DF57, SAVIN 9180 ARDF, Nashua RF3020, Infotec ARDF IV / II)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Fiber Connector - 2P			
Reason for Modification	To improve reliability			

To improve reliability, the 2P fiber connector has been changed.

Old P/N				Inter-	Parts C	Catalog
	New P/N	Description	Q'ty Used	change- ability	Index No.	Page
A4655210	11027252	Fiber Connector 2P	1 → 1	X/O	3	9

M. Iwasa, Manager Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3815027540
NRG RF 3020	115/60	S.America, etc.	A318-16	247506XXXX
Ricoh DF57	115/60	USA, Canada	A318-17	2705020001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2475021138
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A50250001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2705021409

	Model		ADF for M210, NC11, NC-X, N210, N220, N230, Pigeon and Ibis (Ricoh DF57, SAVIN 9180 ARDF, Nashua RF3020, Infotec ARDF IV / II)						Volt/Hz	Date of Modification	Se Nur	erial nber
M	odified Article)	Main Board,	etc.								
Reason for Modification			To comply w	vith CE Mark standards								
Draw	Old Parts		New Parts	Description	Rank	Q'ty Used	Inter- change-				Pa Cat	rts alog
No.	No.		No.	Description	Kank	Old→New	ability		Destination		No.	Page
	A4655177		A4655500	DF Main Board		1 → 1	X/O		All		9	7
	16041379			Capacitor - 2.2μF ±20% 50V		2 → 1			All		142	9
	16100067			Resistor - 4.7KΩ 1/8W ±5%		38 → 37			All		162	9
	16114229			Resistor - 2.2Ω 1/4W ±5%		1 → 0			All		170	9
	16100035			Resistor - 100Ω 1/8W		1 → 0			All		157	9
			- 16100071	Resistor - 10KΩ 1/8W		4 → 5			All		163	9
	A3185220		A3185221	Main Harness		1 → 1	X/O		-25, -26, -27		10	7
			16070116	Ferrite Core		1 → 2	X/O		-25, -26, -27		119	13
	A4651393		A3181393	Left Hinge		1 → 1	X/O		-25, -26, -27		4	7
	A4651499		A3181450	Right Hinge		1 → 1	X/O		-25, -26, -27		1	7

Rank: A: Replace with new parts immediately. B: Replace with new parts at time of repair. C: Replace with new parts at time of overhaul. Interchangeability:

⁽¹⁾ When old and new parts are not mutually interchangeable, use additional parts or an assembly part as indicated in "Parts needed for replacement by new part" to install the new part.

⁽²⁾ The mark to the left of the slash indicates whether the old part can be used in the new machine, and the mark to the right indicates whether the new part can be used in the old machine. x = Not interchangeable o = Interchangeable

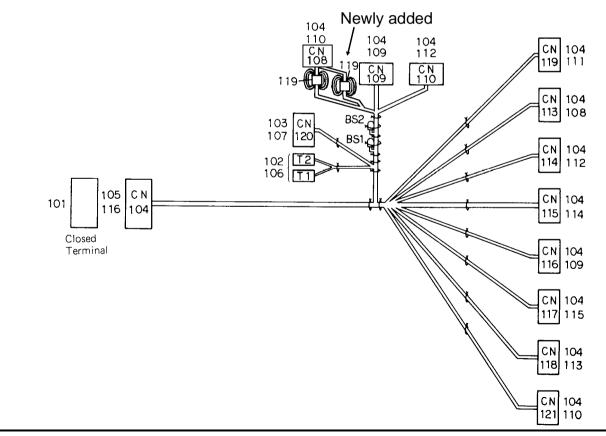
Draw No.	Old Parts No.	New Parts No.	Description	Rank	Q'ty Used Old → New	Inter- change- ability			arts italog
							Destination	No.	Page
	09514005W	09514005B	Philips Screw with Flat Washer M4 x 5		$n \rightarrow n$	X/O	-25, -26, -27	103	3
	A3181191	A3181197	Mounting Bracket		1 → 1	X/O	-25, -26, -27	18	3
	05840103W	05840103B	Hexagon Screw with Flange M4 x 10		$n \rightarrow n$	X/O	-25, -26, -27	104	3
	03440060W	03440060D	Philips Truss Head Screw M4 x 6		$n\ton$	X/O	-25, -26, -27	107	3

To comply with CE mark standards, the following modifications have been made.

1. The DF Main Board has been modified to reduce the level of electrical noise.

	C117	(P/N 16041379)		
Components Removed	R124	(P/N 16100067)		
	R116	(P/N 16114229)		
Components Changed	R122	(P/N 16100035 → 16100071)		

2. A Ferrite Core has been added to the Main Harness to absorb electrical noise.



DETAILS OF MODIFICATION

- 3. To improve grounding, the Left Hinge and Right Hinge have been nickel plated. Also, zinc plated screws have been used to secure the hinges to the mounting bracket.
- 4. The Mounting Bracket has been nickel plated to improve grounding. Also, zinc plated screws have been used to secure the bracket to the copier.
- 5. Chrome plated screws have been used to attach the Belt Drive Motor Cover (P/N A3181171) and Feed-out Motor Cover (P/N A3181181).

M. Iwasa, Manager Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Savin 9180 ARDF	115/60	USA, Canada	A318-15	3815089523
NRG RF 3020	115/60	S.America, etc.	A318-16	
Ricoh DF57	115/60	USA, Canada	A318-17	2705080001
NRG RF 3020	220,240/50	Europe, etc.	A318-25	2475080001
INFOTEC ARDF IV/II	220,240/50	Europe	A318-26	3A50850001
Ricoh DF57	220,240/50	Europe, etc.	A318-27	2705080401