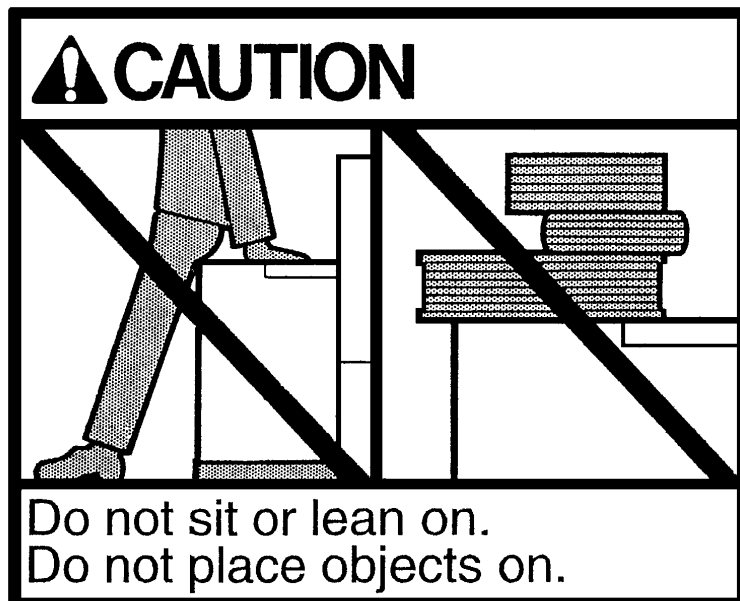


Model	Thunderbird II LCT	Volt/Hz	Date of Modification	Serial Number
Modified Article	LCT Caution Decal			
Reason for Modification	Part Catalog Correction			

Please add the following part to your parts catalog:

New P/N	Description	Q'ty Used	Inter-changeability	Parts Catalog	
				Index No.	Page
AA003000	LCT Caution Decal	0 → 1	—	* 30	5

* New index #



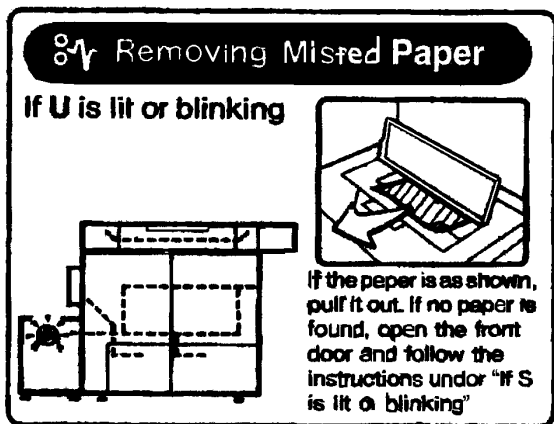
M. Iwasa, Manager
 Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
NRG RT33	240 / 60	USA, CANADA	A592 - 10	/
Savin RT33	240 / 60	USA, CANADA	A592 - 15	
RICOH RT33	240 / 60	USA, CANADA	A592 - 17	
NRG RT33	220, 230, 240 / 50	EUROPE etc.	A592 - 22	
Infotec RT33	220, 230, 240 / 50	EUROPE	A592 - 26	
RICOH RT33	220, 230, 240 / 50	EUROPE	A592 - 27	

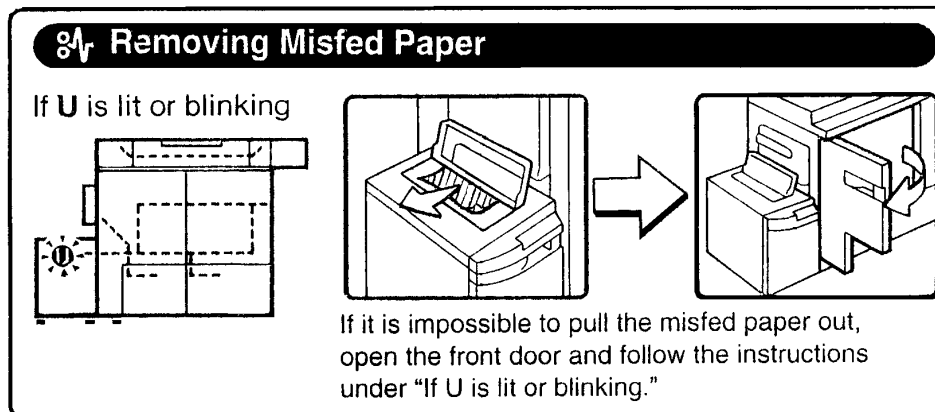
Model	LCT for Thunderbird II	Volt/Hz	Date of Modification	Serial Number
Modified Article	Misfeed Removal Decal			
Reason for Modification	To reduce operation errors			

Due to a suggestion from the field, the misfeed removal decal has been changed to improve user guidance.

Old P/N	New P/N	Description	Q'ty Used	Inter-change-ability	Parts Catalog	
					Index No.	Page
AA000170	AA000185	Decal - Misfeed Removal	1 → 1	X/O	2	15



[Old]



[New]

M. Iwasa, Manager
 Technical Support Department

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
NRG RT33	240 / 60	USA, CANADA	A592 - 10	940511XXXX
Savin RT33	240 / 60	USA, CANADA	A592 - 15	3A5511XXXX
RICOH RT33	240 / 60	USA, CANADA	A592 - 17	A3895110001
NRG RT33	220, 230, 240 / 50	EUROPE etc.	A592 - 22	94511XXXX
Infotec RT33	220, 230, 240 / 50	EUROPE	A592 - 26	From First Production
RICOH RT33	220, 230, 240 / 50	EUROPE	A592 - 27	A389110021

Model		LCT for Thunderbird II					Volt/Hz	Date of Modification	Serial Number		
Modified Article		Diode Harness									
Reason for Modification		To filter electrical noise									
Draw No.	Old Parts No.	New Parts No.	Description	Rank	Q'ty Used Old→New	Inter-changeability	Parts needed for replacement by new part			Parts Catalog	
							Part No.	Description	No.	Page	
		A5925300	Diode Harness			0 → 1			* 31	5	
	A3555130	A5925130	Frame Harness		X/O	1 → 1			25	5	
								* New Index			

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.

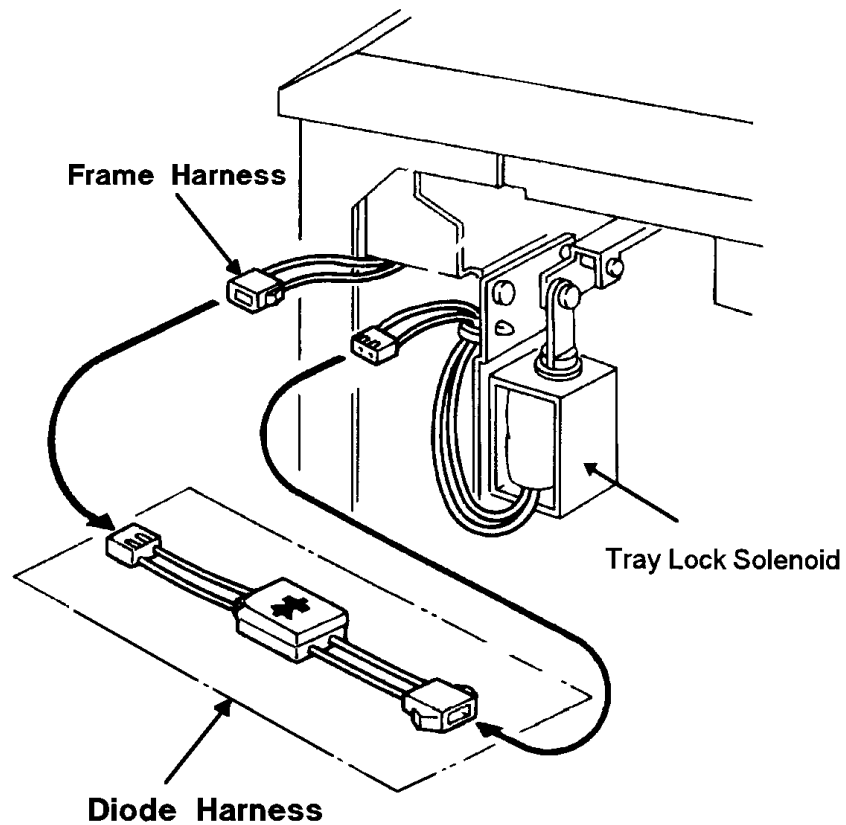
Interchangeability:

(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 filter out the electrical noise from the tray lock solenoid, the diode harness has been added. The color of the frame harness connector has been changed from white to blue to match its color with the facing connector of the diode harness. For field troubleshooting information, refer to RTB # 008.



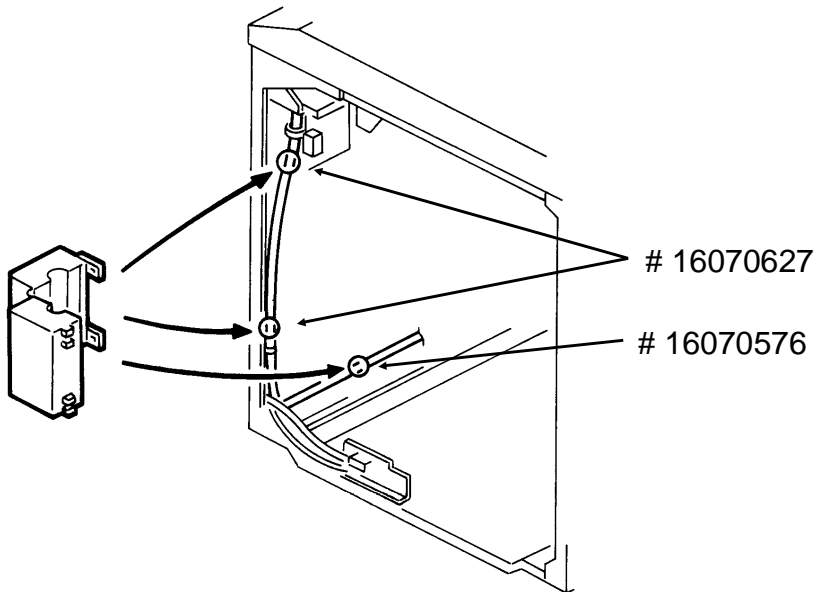
T. Inoue
T. Inoue, General Manager
1st Field Information Dept. QAC

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
NRG RT33	240 / 60	USA, CANADA	A592 - 10	940603XXXX
Savin RT33	240 / 60	USA, CANADA	A592 - 15	3A5603XXXX
RICOH RT33	240 / 60	USA, CANADA	A592 - 17	A3896020000
NRG RT33	220, 230, 240 / 50	EUROPE etc.	A592 - 22	9406020001
Infotec RT33	220, 230, 240 / 50	EUROPE	A592 - 26	3H50260001
RICOH RT33	220, 230, 240 / 50	EUROPE	A592 - 27	A3896020186

Model	LCT for Thunderbird II (-22, -26, -27 version only)	Volt/Hz	Date of Modification	Serial Number
Modified Article	Ferrite Core			
Reason for Modification	To increase the electrical noise tolerance to conform with the CE mark standards			

For the reason mentioned above , three ferrite cores have been added as shown.

New P/N	Description	Q'ty Used	Parts Catalog	
			Index No.	Page
16070576	Sleeve Core - SFC-8	0 → 1	115	5
16070627	Ferrite Core - SFC-10	0 → 2	116	5



T. Inoue

T. Inoue, General Manager
1st Field Information Dept. QAC

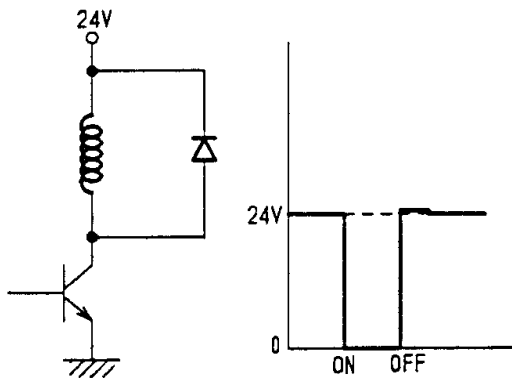
MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
NRG RT33	240 / 60	USA, CANADA	A592 - 10	
Savin RT33	240 / 60	USA, CANADA	A592 - 15	
RICOH RT33	240 / 60	USA, CANADA	A592 - 17	
NRG RT33	220, 230, 240 / 50	EUROPE, etc.	A592 - 22	9406020001
Infotec RT33	220, 230, 240 / 50	EUROPE	A592 - 26	3H50260001
RICOH RT33	220, 230, 240 / 50	EUROPE	A592 - 27	A3896020186

Model: LCT for Thunderbird 2		Date: 31-May-97	No: 5
Modified Article: Clutches		Prepared by: M.Mimura	
From: QAC 1st Field Information Dept.			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction	<input type="checkbox"/> Vendor change	<input type="checkbox"/> To meet standards
	<input type="checkbox"/> To facilitate assembly	<input checked="" type="checkbox"/> To improve reliability	()
	<input type="checkbox"/> Part standardization	<input type="checkbox"/> Other	

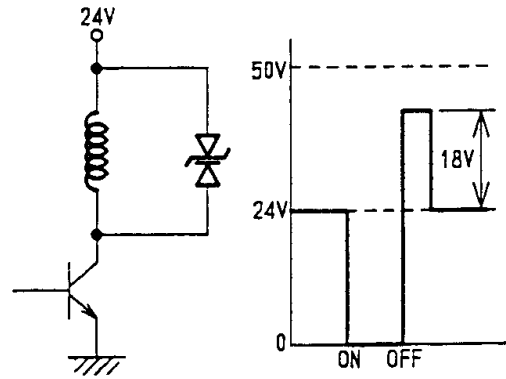
Old part number	New part number	Description	Qty	Int	Page	Index	Note
AX200121	AX200145	Magnetic Clutch	1	X/O	9	57	

If the disengagement of the clutch is physically delayed, the paper may occasionally be overfed, reaching the relay roller. This may lead to jams and/or Z-folding in the registration area.

To ensure quick clutch disengagement, a zener diode has been installed in the clutch connector. (Current clutches have a diode in the connector.) The zener diode will reverse the magnetic field to force the armature to be released quickly when the clutch is electrically de-energized.



[Current]



[New]

Model: LCT for Thunderbird 2

Date: 31-May-97

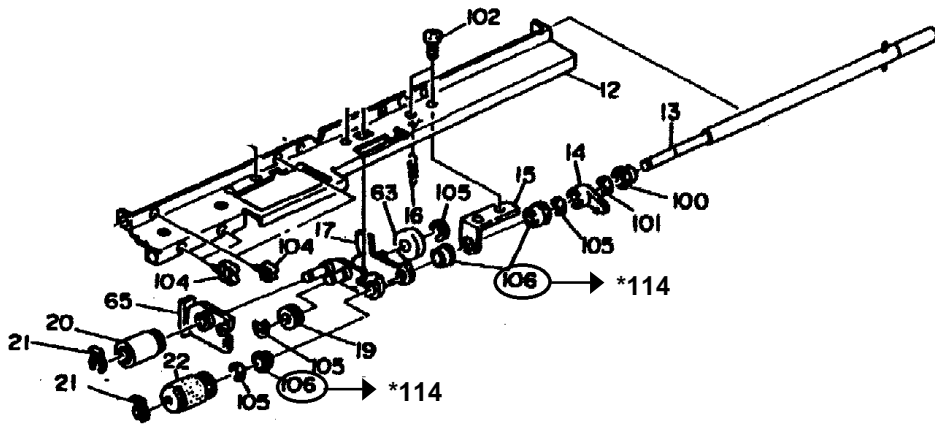
No: 5

MODEL NAME	V/ Hz	DESTINATION	CODE	SERIAL NUMBER
NRG RT33	240 / 60	USA, CANADA	A592 - 10	940703xxxx
Savin RT33	240 / 60	USA, CANADA	A592 - 15	3A57030001
RICOH RT33	240 / 60	USA, CANADA	A592 - 17	A3897030001
NRG RT33	220, 230, 240 / 50	EUROPE, etc.	A592 - 22	9407040001
Infotec RT33	220, 230, 240 / 50	EUROPE	A592 - 26	3H50370001
RICOH RT33	220, 230, 240 / 50	EUROPE	A592 - 27	A3897030032

Model: LCT for Thunderbird 2		Date: 15-Jul-98	No: 6
Modified Article: Parts Catalog		Prepared by: H.Kobayashi	
From: QAC Field Information Dept.			
Reason for Modification:	<input checked="" type="checkbox"/> Parts catalog correction	<input type="checkbox"/> Vendor change	<input type="checkbox"/> To meet standards
	<input type="checkbox"/> To facilitate assembly	<input type="checkbox"/> To improve reliability	()
	<input type="checkbox"/> Part standardization	<input type="checkbox"/> Other	

1.Illustration correction

Please correct the illustration in your parts catalog as shown.



Page 8

2.Not listed

Please add the following part number to your parts catalog.

Part number	Description	Index	Page
07413708	Ball Bearing – 8x12x3.5mm	*114	9

* New Index

Model: LCT for Thunderbird 2

Date: 15-Jul-98

No: 6

MODEL NAME	V/ Hz	DESTINATION	CODE	SERIAL NUMBER
NRG RT33	240 / 60	USA, CANADA	A592 - 10	
Savin RT33	240 / 60	USA, CANADA	A592 - 15	
RICOH RT33	240 / 60	USA, CANADA	A592 - 17	
NRG RT33	220, 230, 240 / 50	EUROPE, etc.	A592 - 22	
Infotec RT33	220, 230, 240 / 50	EUROPE	A592 - 26	
RICOH RT33	220, 230, 240 / 50	EUROPE	A592 - 27	

Model: Thunderbird-2(LCT)	Date: 28-Jun-02	No.: MA592007
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Modified Article: Separation Torque Limiter		Prepared by: Y.Urushihara	
From: Technical Services sec. Service Planning Dept.			
Reason for Modification:	<input type="checkbox"/> Parts catalog correction	<input type="checkbox"/> Vendor change	<input type="checkbox"/> To meet standards ()
	<input type="checkbox"/> To facilitate assembly	<input type="checkbox"/> To improve reliability	
	<input checked="" type="checkbox"/> Part standardization	<input type="checkbox"/> Other	

The following has been changed due to parts standardization with the Penguin.

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
A0976000	A2472900	Separation Torque Limiter	1	O/O	9	32	