

Service Manual

Compact Plain Paper Fax



KX-FP81LA
KX-FP81LS
KX-FP82AG
KX-FP82BR
KX-FP85LA
KX-FP88AG

(for Latin America)

(for Argentina)

(for Brazil)

Subject : Parts Change

Please file and use this supplement manual together with the original service manuals for the following models.

Model No.	Order No.	Supplement No.
KX-FP81LA	KMF0004405C3	1
KX-FP81LS	KMF0005411C3	1
KX-FP82AG	KMF0007427C3	1
KX-FP82BR	KMF0005409C3	1
KX-FP85LA	KMF0005410C3	1
KX-FP88AG	KMF0007428C3	1

WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.





Panasonic

© 2000 Kyushu Matsushita Electric Co., Ltd. All rights reserved. Unauthorized copying and distribution is a violation of law.

1 REPLACEMENT PARTS LISTS

1.1. REFERENCE CHART

Reason for Change	
*The following items (1-8) indicate the reason for change. See the "Notes" column for each part in ORIGINAL AND NEW PARTS COMPARISON LIST(S) .	
1. Improve performance	Remarks: *a: To improve the electric conduction. *b: To share the part with other models. *c: To facilitate the production supply. *d: For improvement of copy performance. *e: To improve the performance of sensor. *f: To improve how to set up. *g: To collect error writing.
2. Change of material or dimension	
3. To meet approved specification	
4. Standardization	
5. Addition	
6. Deletion	
7. Correction	
8. Other	

Interchangeability Code	
**The following items (V-Z) indicate the interchangeability. See the "Notes" column for each part in ORIGINAL AND NEW PARTS COMPARISON LIST(S) .	
Parts	Set Production
V Original New	 Early (before change) Late (after change)
Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.	
W Original New	 Early (before change) Late (after change)
Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts where possible, then stock new parts.	
X Original New	 Early (before change) Late (after change)
New parts only may be used in early or late production sets. Stock new parts.	
Y Original New	 Early (before change) Late (after change)
Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.	
Z Other	

Note:

Alphabets in the "Remarks" column in the following lists correspond to the alphabets in the "Remarks" in **REFERENCE CHART**.

1.2. ORIGINAL AND NEW PARTS COMPARISON LIST(S)

1.2.1. KX-FP81LA

Ref No.	Part No.		Part Name & Descriptions	Pcs/Set	Remarks	Notes		Suffix
	Original Part No.	New Part No.						
CABINET AND ELECTRICAL SECTION								
9	PFUV1027Y	PFUV1027X	COVER, OPERATION PANEL	1	*d	1	X	
17	PFHX1371Z	-----	INSULATOR, STATIC ELEC.	0	Deleted	6	---	
32	PFHR1189Z	PFHR1189Y	GUIDE, THERMAL HEAD (LEFT)	1	*d	1	W	
34	PFHR1190Z	PFHR1190Y	GUIDE, THERMAL HEAD (RIGHT)	1	*d	1	W	
35	PFHR1192Y	PFHR1192X	COVER, THERMAL HEAD	1	*d	1	W	
36	PFHX1342X	PFHX1342Z	INSULATOR,STATICELEC. (RIGHT)	1	*d	1	V	
44	PFKM1057X1	PFKM1057Z1	CABINET, MAIN	1	*a	1	Z	
45	PF0U1022Z	PF0U1022Y	PHOTO ELECTRIC TRANSDUCER, IMAGE SENSOR(CIS)	1	*g	1	X	
51	-----	PFHX1457Z	SPACER,SHEET (Refer to UPPER CABINET SECTION)	2	*d	5	W	
59	-----	PFHX1433Z	SPACER,SHEET (Refer to BACK COVER 1)	1	*d	1	X	
65	PFKV1025Y1	PFKV1025X1	COVER, UPPER TURN (Refer to BACK COVER 1)	1	*f	1	W	
68	PFUA1025Y	PFUA1025W	CHASSIS, UPPER TURN	1	*b	4	W	
94	PFHX1370Z	PFHX1370Z	INSULATOR, PAPER EXIT (Refer to BACK COVER 2)	2	*d	5	V	
120	PFNW1006Z	-----	WASHER	0	Deleted	6	---	
132	PFUA1024Z	PFZMFM189E	CHASSIS KIT, GEAR BASE (Refer to MOTOR SECTION)	1	*c	2	W	
136	PFUS1231Z	PFUS1231Y	SPRING, GEAR I	3	*c	1	V	
Note: Change Parts of Ref No.32 and No.34 at the same time.								
ACCESSORIES AND PACKING MATERIALS								
A6	PFQX1432Y	PFQX1432X	INSTRUCTION BOOK	1	*g	7	X	
P5	PFPH1011Z	PFPH1030Z	PACKING SHEET	1	*b	4	V	
DIGITAL BOARD PARTS								
C508	ECUV1H333KDV	ECUV1H102KBV	CAPACITOR, 0.001	1	*e	1	X	
L501	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L502	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L503	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L504	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	

Ref No.	Part No.		Part Name & Descriptions	Pcs/Set	Remarks	Notes		Suffix
	Original Part No.	New Part No.						
L505	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L507	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L510	ERJ8GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L511	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R503	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R504	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R505	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R506	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R507	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R509	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R511	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R512	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R536	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R551	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
OPERATION BOARD PARTS								
R305	ERJ3GEYJ102	ERJ3GEYJ681	RESISTOR,680Ω	1	*a	1	V	
R318	-----	ERJ3GEYJ4R7	RESISTOR,4.7Ω	1	*a	1	Y	
POWER SUPPLY BOARD PARTS								
C206	ECKD3A102KBP	-----	CAPACITOR	0	Deleted	6	---	
L103	EXCELD3R35	-----	COMPONENTS PARTS	0	Deleted	6	---	
R203	ERDS2FJ470	-----	RESISTOR	0	Deleted	6	---	

1.2.2. KX-FP81LS

Ref No.	Part No.		Part Name & Descriptions	Pcs/Set	Remarks	Notes		Suffix
	Original Part No.	New Part No.						
CABINET AND ELECTRICAL SECTION								
9	PFUV1027Y	PFUV1027X	COVER, OPERATION PANEL	1	*d	1	X	
32	PFHR1189Z	PFHR1189Y	GUIDE, THERMAL HEAD (LEFT)	1	*d	1	W	
34	PFHR1190Z	PFHR1190Y	GUIDE, THERMAL HEAD (RIGHT)	1	*d	1	W	
35	PFHR1192Y	PFHR1192X	COVER, THERMAL HEAD	1	*d	1	W	
36	PFHX1342X	PFHX1342Z	INSULATOR,STATICIELEC. (RIGHT)	1	*d	1	V	
51	-----	PFHX1457Z	SPACER,SHEET (Refer to UPPER CABINET SECTION)	2	*d	5	W	
59	-----	PFHX1433Z	SPACER,SHEET (Refer to BACK COVER 1)	1	*d	1	X	
65	PFKV1025Y1	PFKV1025X1	COVER, UPPER TURN (Refer to BACK COVER 1)	1	*f	1	W	
94	-----	PFHX1370Z	INSULATOR, PAPER EXIT (Refer to BACK COVER 2)	2	*d	5	V	
132	PFUA1024Z	PFZMFM189E	CHASSIS KIT, GEAR BASE (Refer to MOTOR SECTION)	1	*c	2	W	
Note: Change Parts of Ref No.32 and No.34 at the same time.								
ACCESSORIES AND PACKING MATERIALS								
A6	PFQX1433Z	PFQX1433Y	INSTRUCTION BOOK	1	*g	7	X	
P5	PFPH1011Z	PFPH1030Z	PACKING SHEET	1	*b	4	V	
DIGITAL BOARD PARTS								
L501	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L502	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L503	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L504	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L505	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L507	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L510	ERJ8GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L511	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R503	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R504	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R505	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R506	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R507	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R509	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R511	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R512	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R536	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R551	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	

1.2.3. KX-FP82AG

Ref No.	Part No.		Part Name & Descriptions	Pcs/Set	Remarks	Notes		Suffix
	Original Part No.	New Part No.						
CABINET AND ELECTRICAL SECTION								
32	PFHR1189Z	PFHR1189Y	GUIDE, THERMAL HEAD (LEFT)	1	*d	1	W	
34	PFHR1190Z	PFHR1190Y	GUIDE, THERMAL HEAD (RIGHT)	1	*d	1	W	
35	PFHR1192Y	PFHR1192X	COVER, THERMAL HEAD	1	*d	1	W	
36	PFHX1342X	PFHX1342Z	INSULATOR,STATICIELEC. (RIGHT)	1	*d	1	V	
44	PFKM1057Y1	PFKM1057Z1	CABINET,MAIN	1	*g	7	Z	
45	PF0U1022Z	PF0U1022Y	PHOTO ELECTRIC TRANSDUCER, IMAGE SENSOR(CIS)	1	*a	1		
51	-----	PFHX1457Z	SPACER,SHEET (Refer to UPPER CABINET SECTION)	2	*d	5	W	
59	-----	PFHX1433Z	SPACER,SHEET (Refer to BACK COVER 1)	1	*d	1	X	
65	PFKV1025Y1	PFKV1025X1	COVER, UPPER TURN (Refer to BACK COVER 1)	1	*f	1	W	
109	PFHX1367Z	-----	COVER, IC ROM SHEET	0	Deleted	6	---	
113	PFHX1359Y	-----	COVER, SHEET	0	Deleted	6	---	
132	PFUA1024Z	PFZMFM189E	CHASSIS KIT, GEAR BASE (Refer to MOTOR SECTION)	1	*c	2	W	
Note: Change Parts of Ref No.32 and No.34 at the same time.								
DIGITAL BOARD PARTS								
IC501	PFVIM66426M1	PFVIM66440M1	IC	1	*b	4	V	
C566	ECEA1CKA101	ECEA0JKA101	CAPACITOR,100	1	*b	4	V	

1.2.4. KX-FP82BR

Ref No.	Part No.		Part Name & Descriptions	Pcs/Set	Remarks	Notes		Suffix
CABINET AND ELECTRICAL SECTION								
9	PFUV1027Y	PFUV1027X	COVER, OPERATION PANEL	1	*d	1	X	
32	PFHR1189Z	PFHR1189Y	GUIDE, THERMAL HEAD (LEFT)	1	*d	1	W	
34	PFHR1190Z	PFHR1190Y	GUIDE, THERMAL HEAD (RIGHT)	1	*d	1	W	
35	PFHR1192Y	PFHR1192X	COVER, THERMAL HEAD	1	*d	1	W	
36	PFHX1342X	PFHX1342Z	INSULATOR,STATICIELEC. (RIGHT)	1	*d	1	V	
45	PF0U1022Z	PF0U1022Y	PHOTO ELECTRIC TRANSDUCER, IMAGE SENSOR(CIS)	1	*a	1		
51	-----	PFHX1457Z	SPACER,SHEET (Refer to UPPER CABINET SECTION)	2	*d	5	W	
59	-----	PFHX1433Z	SPACER,SHEET (Refer to BACK COVER 1)	1	*d	1	X	
65	PFKV1025Y1	PFKV1025X1	COVER, UPPER TURN (Refer to BACK COVER 1)	1	*f	1	W	
68	PFUA1025Y	PFUA1025W	CHASSIS, UPPER TURN	1	*b	4	W	
94	-----	PFHX1370Z	INSULATOR, PAPER EXIT (Refer to BACK COVER 2)	2	*d	5	V	
102	PFUS1255Z	PFUS1255Y	SPRING, EARTH	1	*b	4	V	
132	PFUA1024Z	PFZMFM189E	CHASSIS KIT, GEAR BASE (Refer to MOTOR SECTION)	1	*c	2	W	
Note: Change Parts of Ref No.32 and No.34 at the same time.								
ACCESSORIES AND PACKING MATERIALS								
P1	PFPK1690Z-M	PFPK1690Y-M	GIFT BOX	1	*g	7	X	
P5	PFPH1011Z	PFPH1030Z	PACKING SHEET	1	*b	4	V	
DIGITAL BOARD PARTS								
L501	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L502	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L503	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L504	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L505	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L507	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L510	ERJ8GEY0R00	-----	RESISTOR	0	Deleted	6	---	
L511	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R503	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R504	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R505	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R506	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R507	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R509	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R511	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R512	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R536	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
R551	ERJ3GEY0R00	-----	RESISTOR	0	Deleted	6	---	
POWER SUPPLY BOARD PARTS								
C206	ECKD3A102KBP	-----	CAPACITOR	0	Deleted	6	---	
L103	EXCELD35	-----	COMPONENTS PARTS	0	Deleted	6	---	

Ref No.	Part No.		Part Name & Descriptions	Pcs/Set	Remarks	Notes		Suffix
R203	ERDS2FJ470	-----	RESISTOR	0	Deleted	6	---	

1.2.5. KX-FP85LA

Ref No.	Part No.		Part Name & Descriptions	Pcs/Set	Remarks	Notes		Suffix
	Original Part No.	New Part No.						
CABINET AND ELECTRICAL SECTION								
9	PFUV1027Y	PFUV1027X	COVER, OPERATION PANEL	1	*d	1	X	
32	PFHR1189Z	PFHR1189Y	GUIDE, THERMAL HEAD (LEFT)	1	*d	1	W	
34	PFHR1190Z	PFHR1190Y	GUIDE, THERMAL HEAD (RIGHT)	1	*d	1	W	
35	PFHR1192Y	PFHR1192X	COVER, THERMAL HEAD	1	*d	1	W	
36	PFHX1342X	PFHX1342Z	INSULATOR,STATICIELEC. (RIGHT)	1	*d	1	V	
45	PF0U1022Z	PF0U1022Y	PHOTO ELECTRIC TRANSDUCER, IMAGE SENSOR(CIS)	1	*a	1	V	
51	-----	PFHX1457Z	SPACER,SHEET (Refer to UPPER CABINET SECTION)	2	*d	5	W	
59	-----	PFHX1433Z	SPACER,SHEET (Refer to BACK COVER 1)	1	*d	1	X	
65	PFKV1025Y1	PFKV1025X1	COVER, UPPER TURN (Refer to BACK COVER 1)	1	*f	1	W	
94	PFHX1370Z	PFHX1370Z	INSULATOR, PAPER EXIT (Refer to BACK COVER 2)	2	*d	5	V	
132	PFUA1024Y	PFZMFM189E	CHASSIS KIT, GEAR BASE (Refer to MOTOR SECTION)	1	*c	2	W	
Note: Change Parts of Ref No.32 and No.34 at the same time.								
ACCESSORIES AND PACKING MATERIALS								
A6	PFQX1432Y	PFQX1432X	INSTRUCTION BOOK	1	*g	7	X	
P5	PFPH1011Z	PFPH1030Z	PACKING SHEET	1	*b	4	V	
POWER SUPPLY BOARD PARTS								
C206	ECKD3A102KBP	-----	CAPACITOR	0	Deleted	---	---	
L103	EXCELD35	-----	COMPONENTS PARTS	0	Deleted	---	---	
R203	ERDS2FJ470	-----	RESISTOR	0	Deleted	---	---	

1.2.6. KX-FP88AG

Ref No.	Part No.		Part Name & Descriptions	Pcs/Set	Remarks	Notes		Suffix
	Original Part No.	New Part No.						
CABINET AND ELECTRICAL SECTION								
32	PFHR1189Z	PFHR1189Y	GUIDE, THERMAL HEAD (LEFT)	1	*d	1	W	
34	PFHR1190Z	PFHR1190Y	GUIDE, THERMAL HEAD (RIGHT)	1	*d	1	W	
35	PFHR1192Y	PFHR1192X	COVER, THERMAL HEAD	1	*d	1	W	
36	PFHX1342X	PFHX1342Z	INSULATOR,STATICIELEC. (RIGHT)	1	*d	1	V	
45	PF0U1022Z	PF0U1022Y	PHOTO ELECTRIC TRANSDUCER, IMAGE SENSOR(CIS)	1	*a	1	V	
51	-----	PFHX1457Z	SPACER,SHEET (Refer to UPPER CABINET SECTION)	2	*d	5	W	
59	-----	PFHX1433Z	SPACER,SHEET (Refer to BACK COVER 1)	1	*d	1	X	
65	PFKV1025Y1	PFKV1025X1	COVER, UPPER TURN	1	*f	1	W	
94	PFHX1370Z	PFHX1370Z	INSULATOR, PAPER EXIT (Refer to BACK COVER 2)	2	*d	5	V	
132	PFUA1024Y	PFZMFM189E	CHASSIS KIT, GEAR BASE (Refer to MOTOR SECTION)	1	*c	2	W	
Note: Change Parts of Ref No.32 and No.34 at the same time.								
OPERATION BOARD PARTS								
R318	-----	ERJ3GEYJ4R7	RESISTOR, 4.7Ω	1	*a	1	Y	
R385	ERJ3GEY0R00V	ERJ3GEYJ331	RESISTOR, 330Ω	1	*a	1	V	

2 TROUBLESHOOTING GUIDE

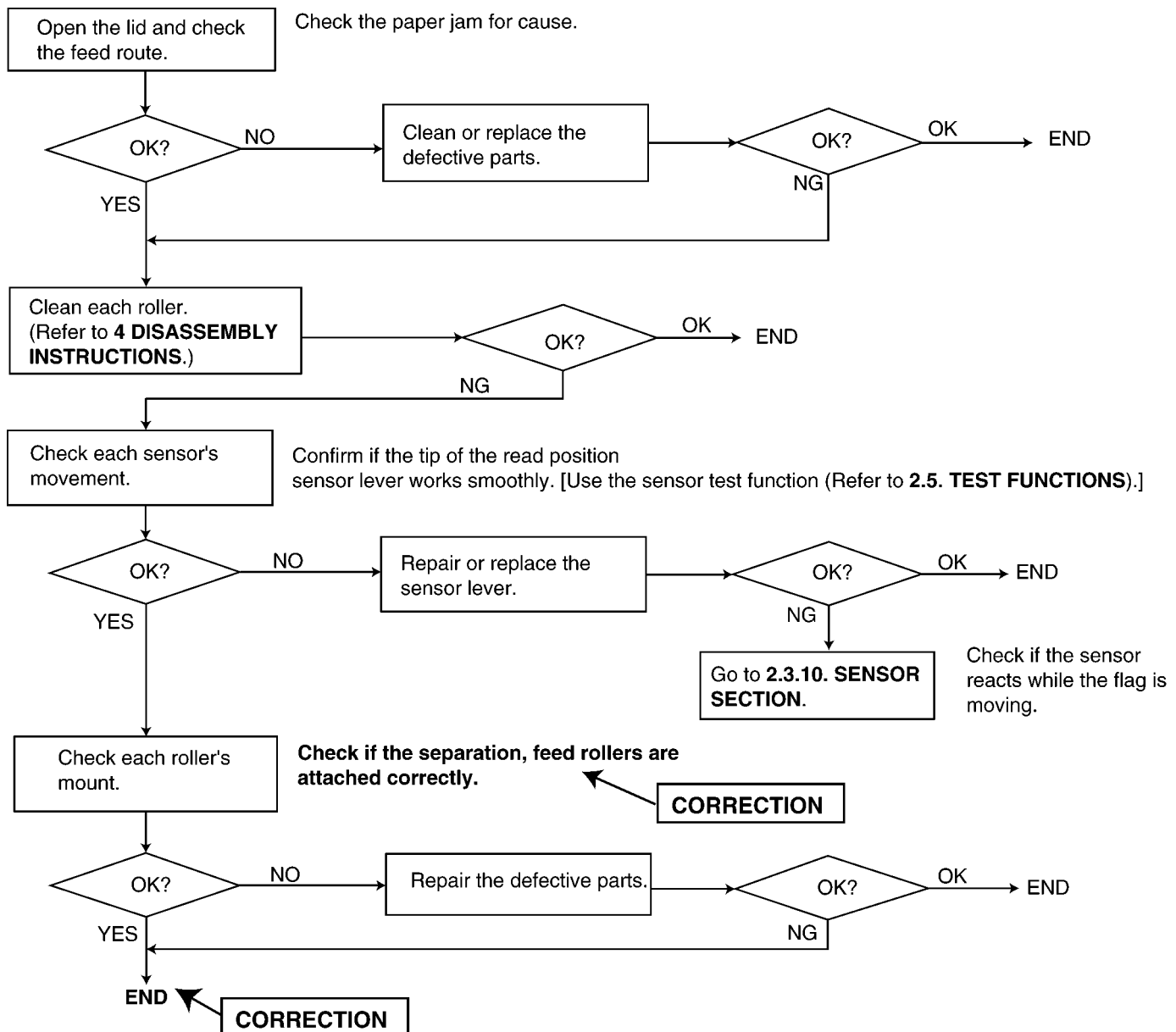
2.1. TROUBLESHOOTING DETAILS

2.1.1. ADF (Auto Document Feed) SECTION

2.1.1.1. DOCUMENT JAM

Please replace original Service Manual page as follows. (2.3.4.2. **DOCUMENT JAM** or 3.3.4.2. **DOCUMENT JAM**)

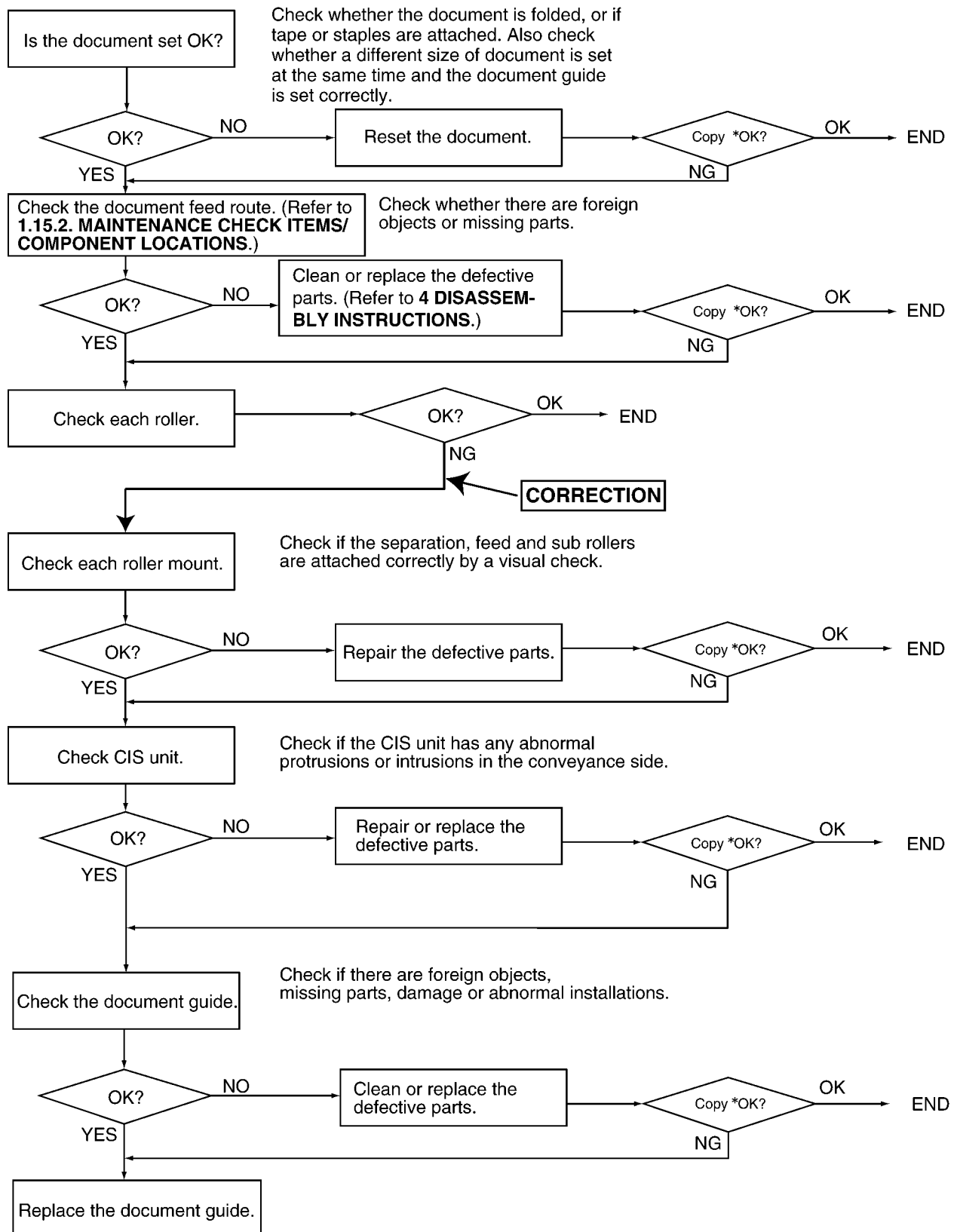
- Page 34 in the **KX-FP81LA**
- Page 35 in the **KX-FP81LS**
- Page 34 in the **KX-FP82BR**
- Page 36 in the **KX-FP85LA**



2.1.1.2. SKEW

Please replace original Service Manual page as follows. (2.3.4.4. SKEW or 3.3.4.4. SKEW)

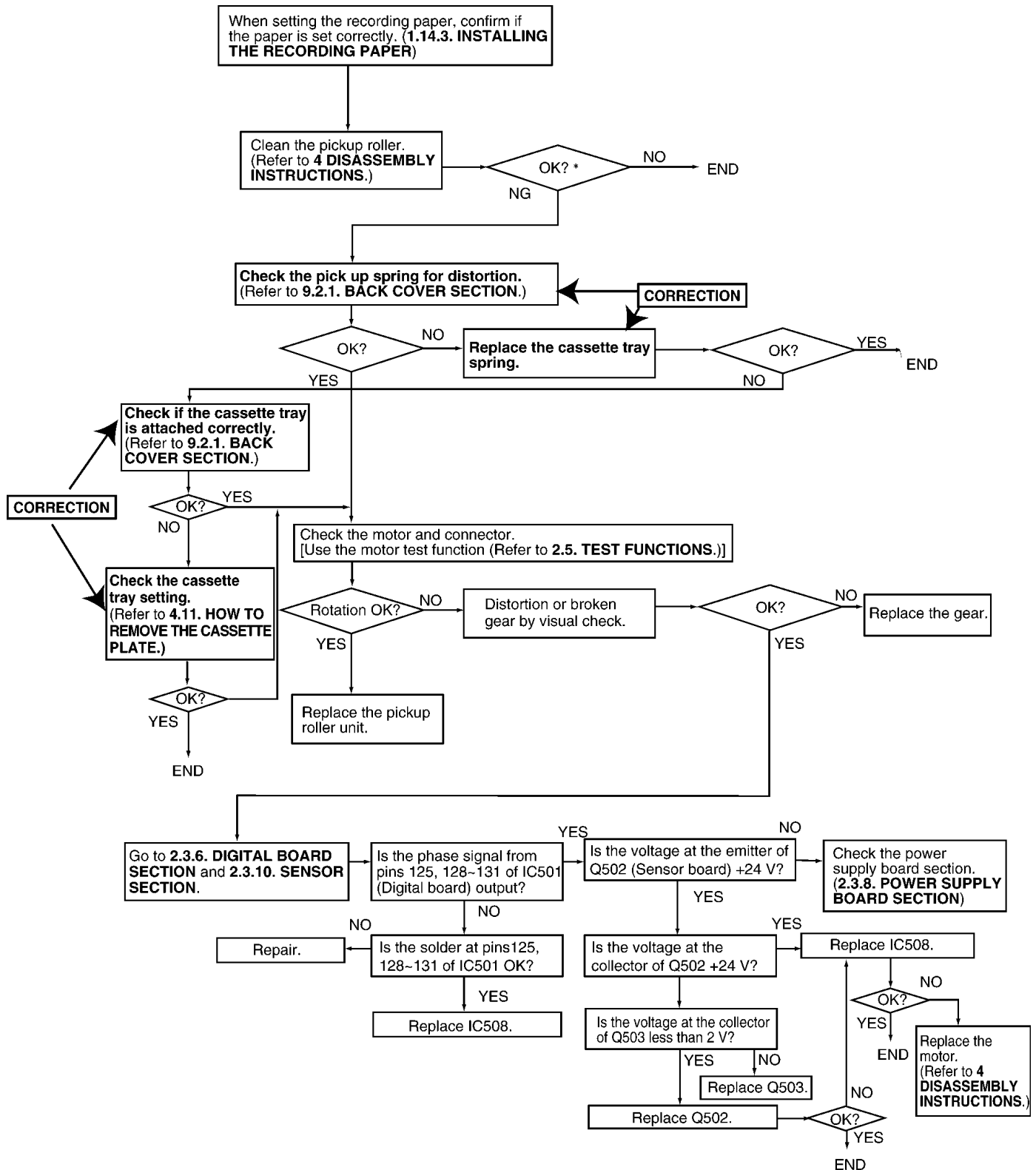
- Page 36 in the **KX-FP81LA**
- Page 37 in the **KX-FP81LS**
- Page 36 in the **KX-FP82BR**
- Page 38 in the **KX-FP85LA**



2.1.1.3. THE RECORDING PAPER DOES NOT FEED

Please replace original Service Manual page as follows. (2.3.4.5. THE RECORDING PAPER DOES NOT FEED or 3.3.4.5. THE RECORDING PAPER DOES NOT FEED)

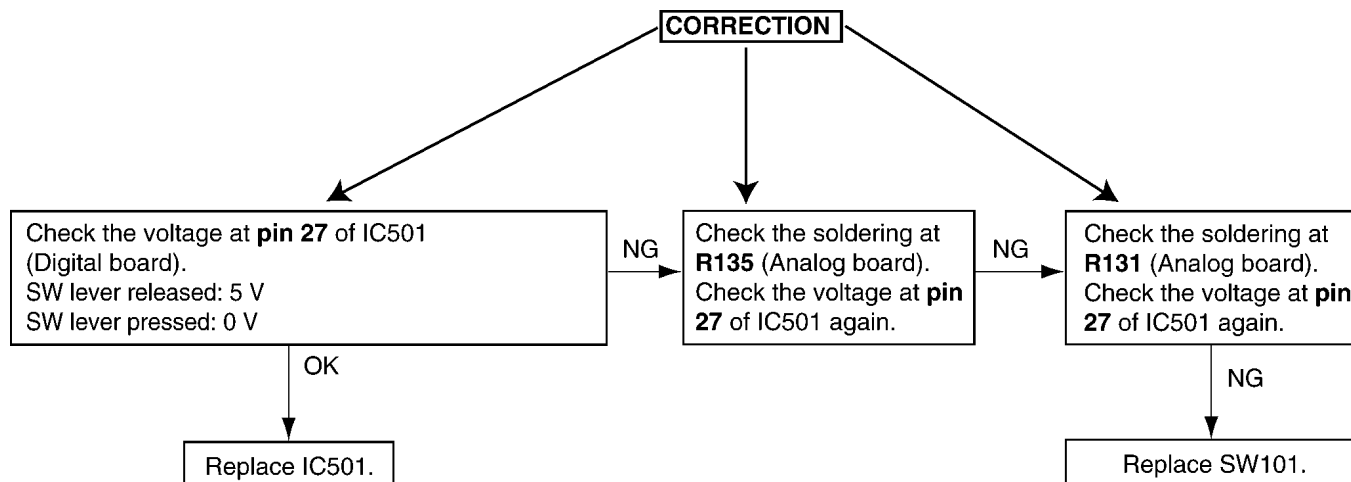
- Page 37 in the **KX-FP81LA**
- page 37 in the **KX-FP81LS**
- Page 37 in the **KX-FP82BR**
- Page 39 in the **KX-FP85LA**



2.1.2. SENSOR SECTION

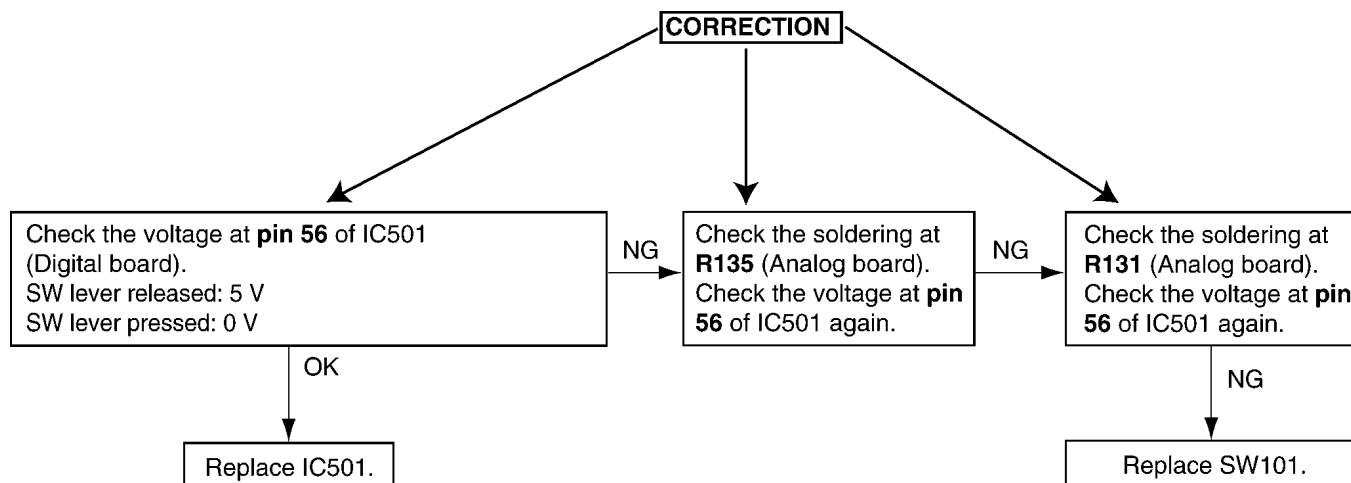
2.1.2.1. CHECK THE HOOK SWITCH(SW101) (for KX-FP82AG)

Please replace original Service Manual page 83.(3.3.10.4. CHECK THE HOOK SWITCH)



2.1.2.2. CHECK THE HOOK SWITCH(SW101) (for KX-FP88AG)

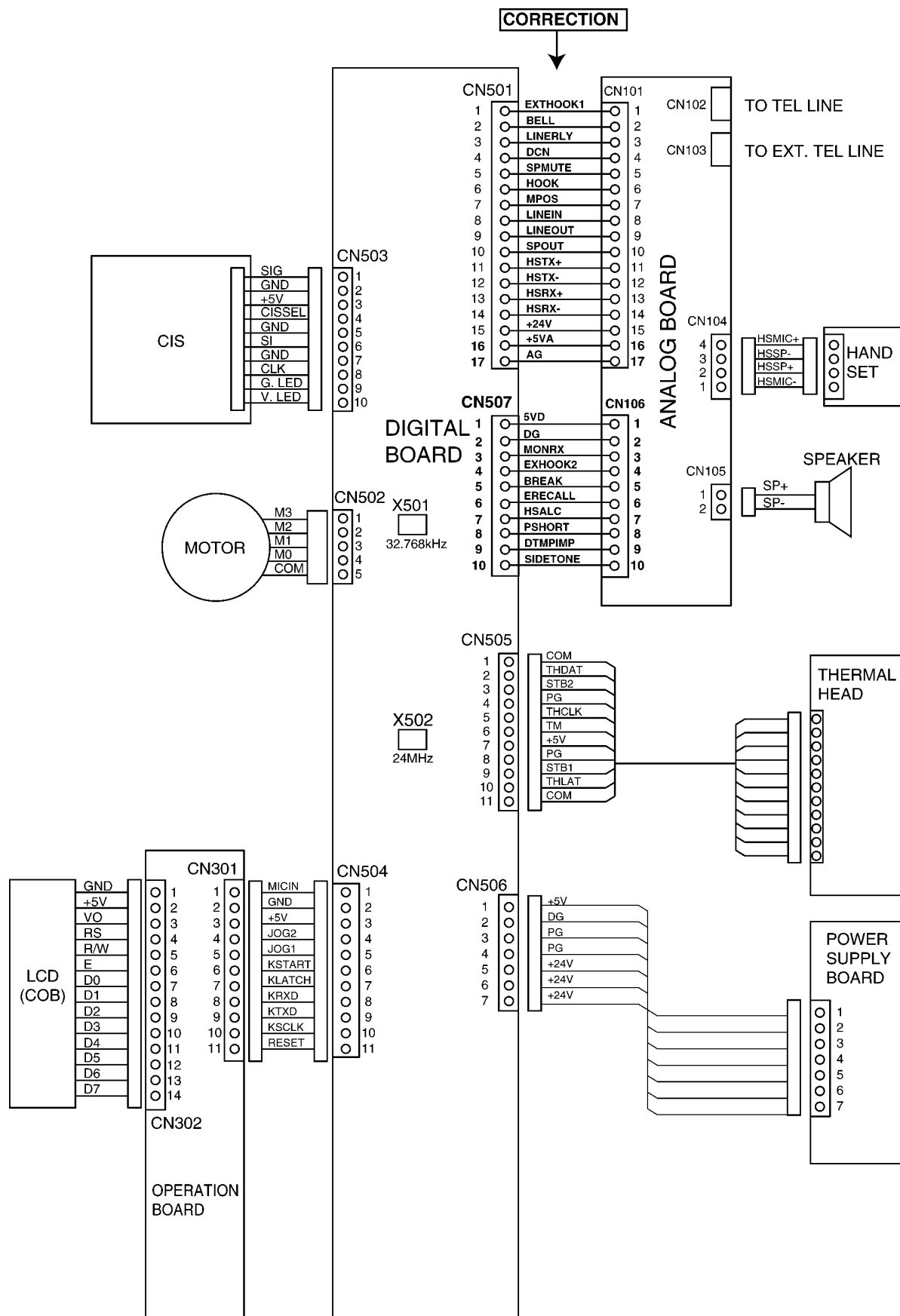
Please replace original Service Manual page 87.(3.3.11.4. CHECK THE HOOK SWITCH)



3 CIRCUIT OPERATIONS

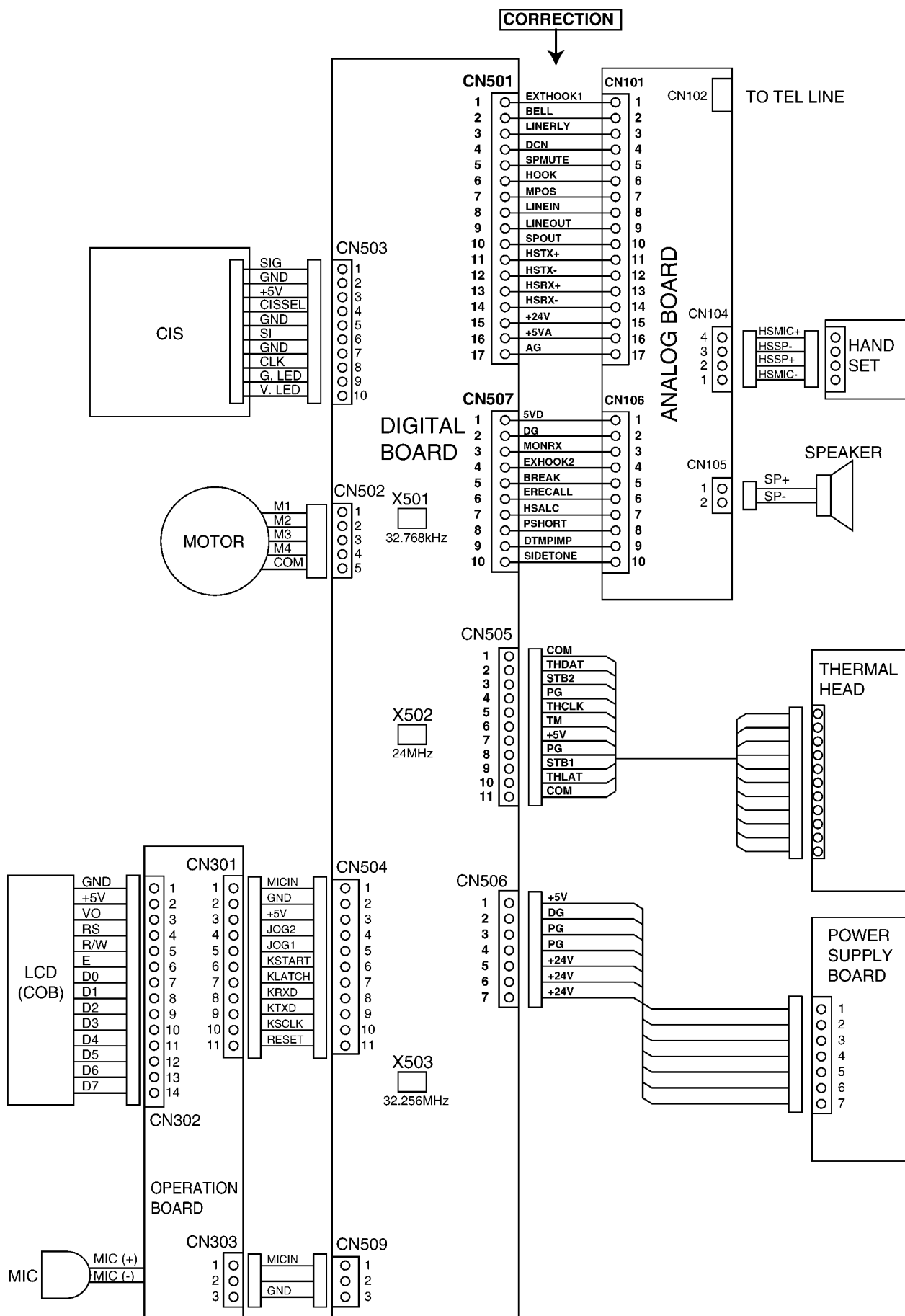
3.1. CONNECTION DIAGRAM (for KX-FP82AG)

Please replace original Service Manual page 125.(7.1.CONNECTION DIAGRAM)



3.2. CONNECTION DIAGRAM (for KX-FP88AG)

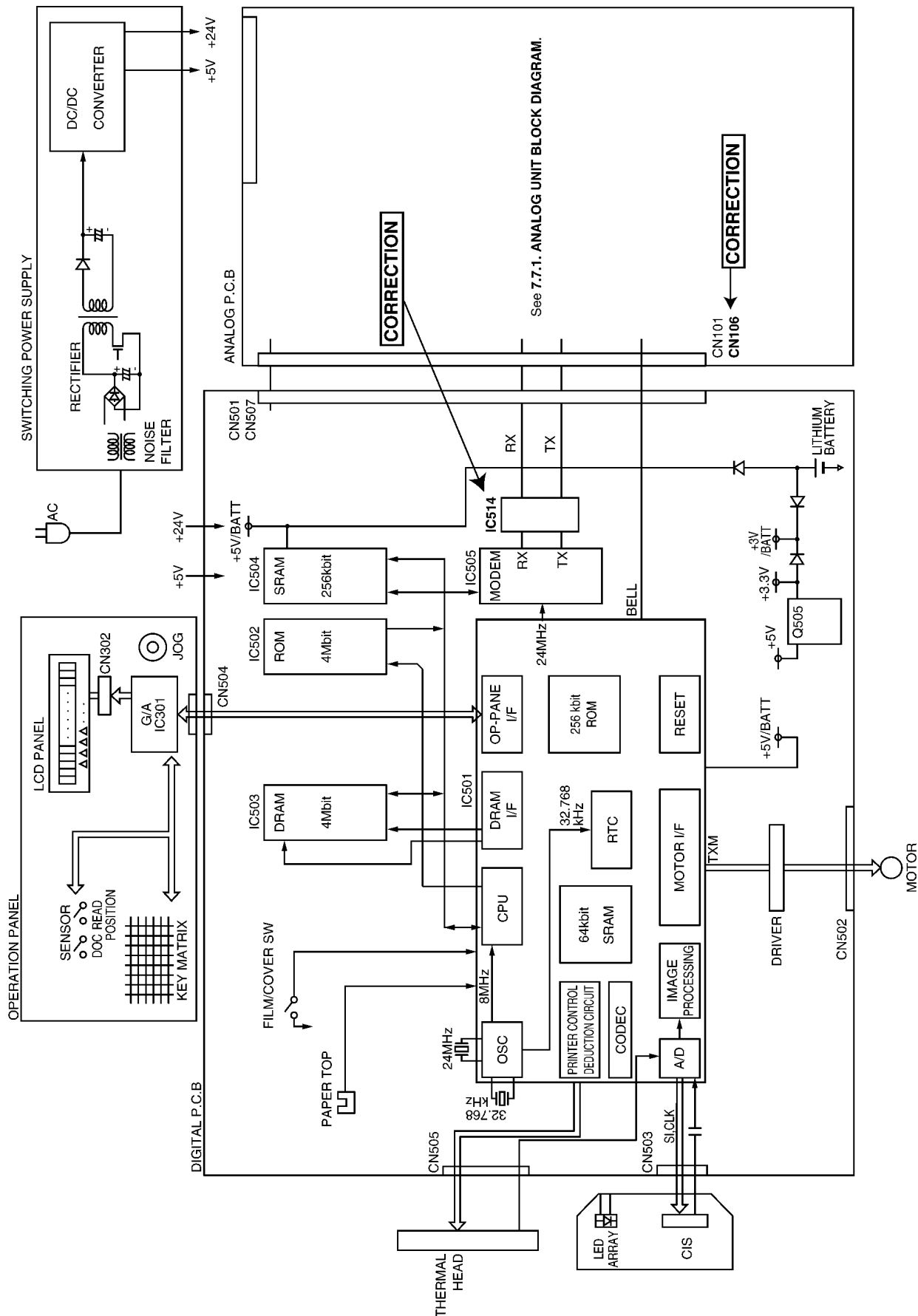
Please replace original Service Manual page 129.(7.1.CONNECTION DIAGRAM)



3.3. GENERAL BLOCK DIAGRAM

3.3.1. GENERAL BLOCK DIAGRAM (for KX-FP82AG)

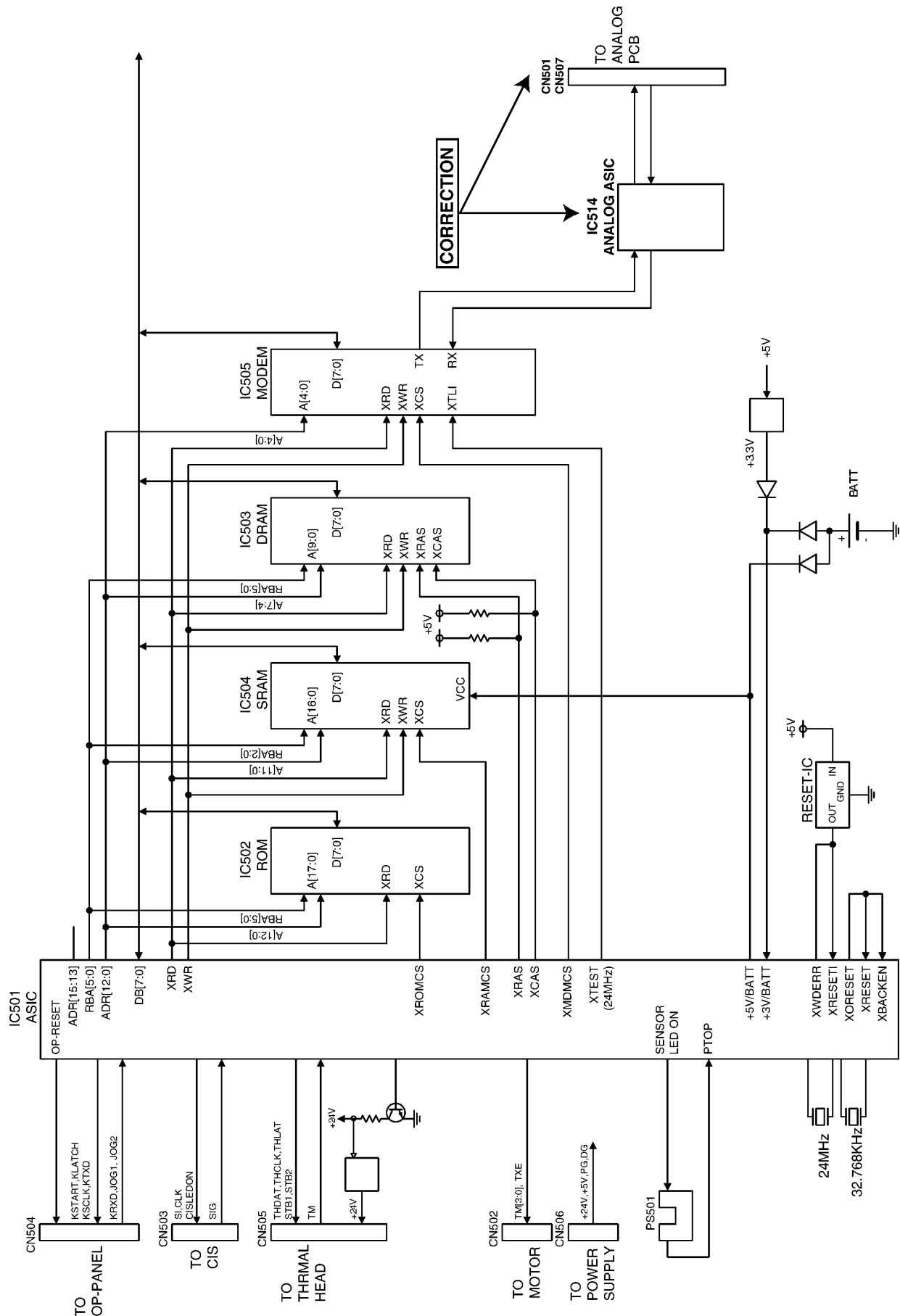
Please replace original Service Manual page 127.(7.2.1.GENERAL BLOCK DIAGRAM)



3.4. CONTROL SECTION

3.4.1. BLOCK DIAGRAM (for KX-FP82AG)

Please replace original Service Manual page 128.(7.3.1.BLOCK DIAGRAM)

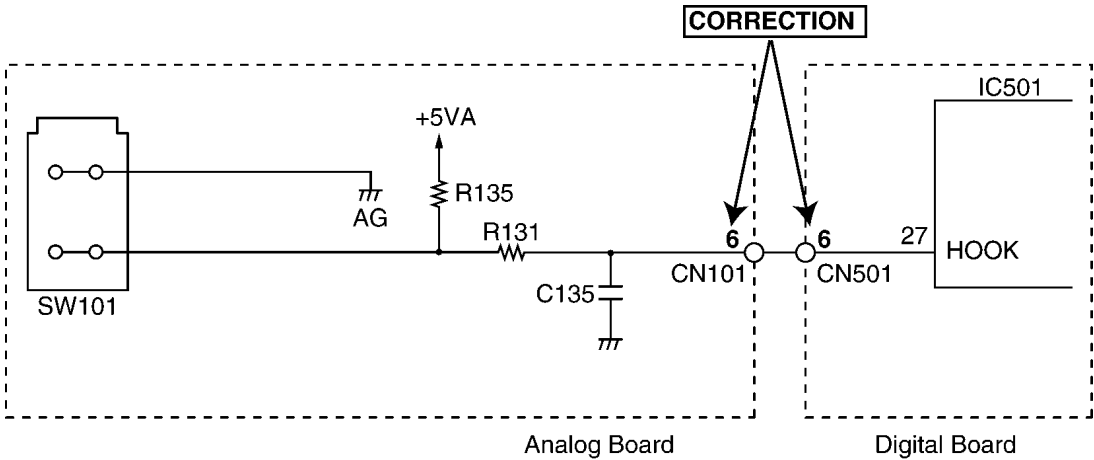


3.5. SENSORS AND SWITCHES (for KX-FP82AG)

Please replace original Service Manual page 155.(7.5.SENSORS AND SWITCHES)

4.[Hook Swidtc (SW101)]

When the handset is lifted, the switch turns ON, and the signal at pin 35 of IC501 becomes low.
When the handset is returned, the switch turns OFF, and the signal at pin 35 of IC501 becomes high.



Digital Board		
	SW	Signal (IC501-35 pin)
ON-Hook	OFF	High level
OFF-Hook	ON	Low level