

Service Manual

Telephone Equipment

Model No. **KX-TG6641B**
KX-TG6643B
KX-TG6644B
KX-TG6645B
KX-TGA660B

Digital Cordless Answering System

B: Black Version
(for U.S.A.)

Supplement-1

Please file and use this supplement manual together with the service manual for Model No.KX-TG6641B/
KX-TG6643B/KX-TG6644B/KX-TG6645B/KX-TGA660B, KM41102310CE.

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.

TABLE OF CONTENTS

	PAGE
1 REPLACEMENT PARTS LIST -----	2
1.1. REFERENCE CHART-----	2
1.2. ORIGINAL AND NEW PARTS COMPARISON LISTS-----	2
2 CHANGES -----	4
2.1. Schematic Diagram (Handset_Main) (PNLB1885YA)-----	4
2.2. Circuit Board (Handset_Main) (PNLB1885YA)----	6

1 REPLACEMENT PARTS LIST

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 LISTS**.

1. Improve performance	Remarks: *c: To share the parts with other models.
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 LISTS.

V	Original New	↔ Early (before change) Late (after change)	Original or new parts may be used in early or late production sets. 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:

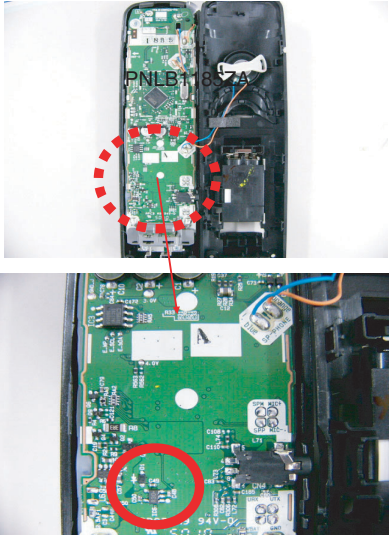
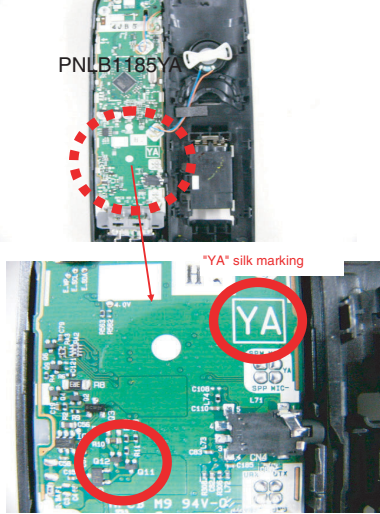
Alphabets in the "Remarks" column in the following lists correspond to the alphabets in the "Remarks" in REFERENCE CHART.

1.2. ORIGINAL AND NEW PARTS COMPARISON LISTS

Ref. No.	Part No.		Part Name & Description	Pcs/ Set	Remarks	Notes		Time of Change (Suffix)
	Original (Old)	New						
Main P.C.Board Parts(Base Unit)								
Q111, Q171, Q361, Q363	B1ABCF000103	B1ABDF000017	TRANSISTOR(SI)	4	*c	8	V	---
Main P.C.Board Parts(Handset)								
IC6	C0CBCBD00028	-----	IC	0	*A	6	-	---
Q9	B1ABCF000103	B1ABDF000017	TRANSISTOR(SI)	1	*c	8	V	---
Q10	-----	B1ADNB000003	TRANSISTOR(SI)	1	*A	5	-	---
Q11	-----	B1ABDF000017	TRANSISTOR(SI)	1	*A	5	-	---
Q12	-----	B1ADCF000040	TRANSISTOR(SI)	1	*A	5	-	---
D1	MAZ8110GML	-----	DIODE(SI)	0	*A	6	-	---
D13	B0BC4R3A0006	MA8043	DIODE(SI)	1	*A	8	V	---
D14	B0BC4R3A0006	MA8043	DIODE(SI)	1	*A	8	V	---
D21	B0BC4R3A0006	MA8043	DIODE(SI)	1	*A	8	V	---
D22	B0BC4R3A0006	MA8043	DIODE(SI)	1	*A	8	V	---
R10	-----	ERJ3GEYJ1R0	RESISTOR, 1Ω	1	*A	5	-	---
R11	-----	ERJ2GEJ681	RESISTOR, 680Ω	1	*A	5	-	---
R12	-----	ERJ2GEJ183	RESISTOR, 18kΩ	1	*A	5	-	---
R13	-----	ERJ2GEJ103	RESISTOR, 10kΩ	1	*A	5	-	---
C48	ECUE1C103KBQ	-----	CAPACITOR, 0.01F	0	*A	6	-	---
C49	ECUE1A104KBQ	-----	CAPACITOR, 0.1F	0	*A	6	-	---
C50	ECUE1A104KBQ	-----	CAPACITOR, 0.1F	0	*A	6	-	---

Note:

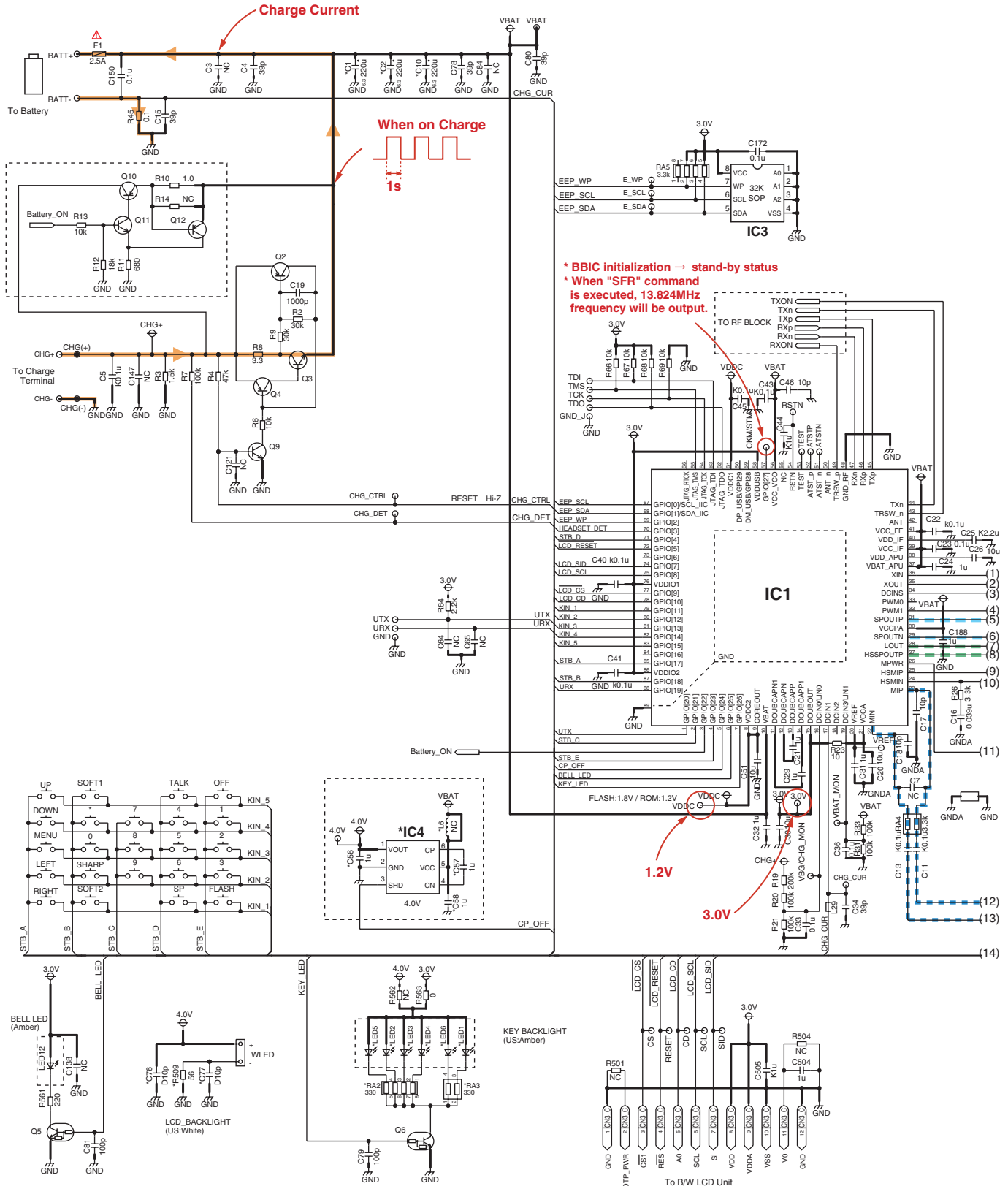
***A:** There is no suffix change. Please check the Main P.C.Board Part ZA/YA when replacing the parts.

PNLB1885ZA	PNLB1885YA
	
In the case of Main P.C.Board Part No. PNLB1885ZA, use the original (old) parts.	In the case of Main P.C.Board Part No. PNLB1885YA, use the new parts.

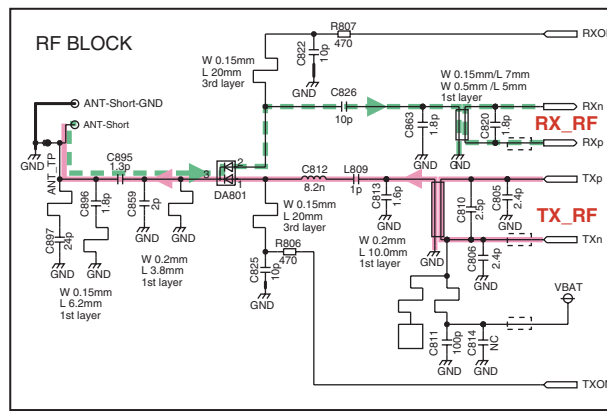
2 CHANGES

2.1. Schematic Diagram (Handset_Main) (PNLB1885YA)

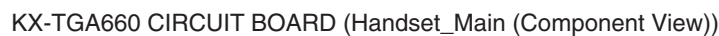
[Changed from original section "14.5 Schematic Diagram (Handset_Main)"]



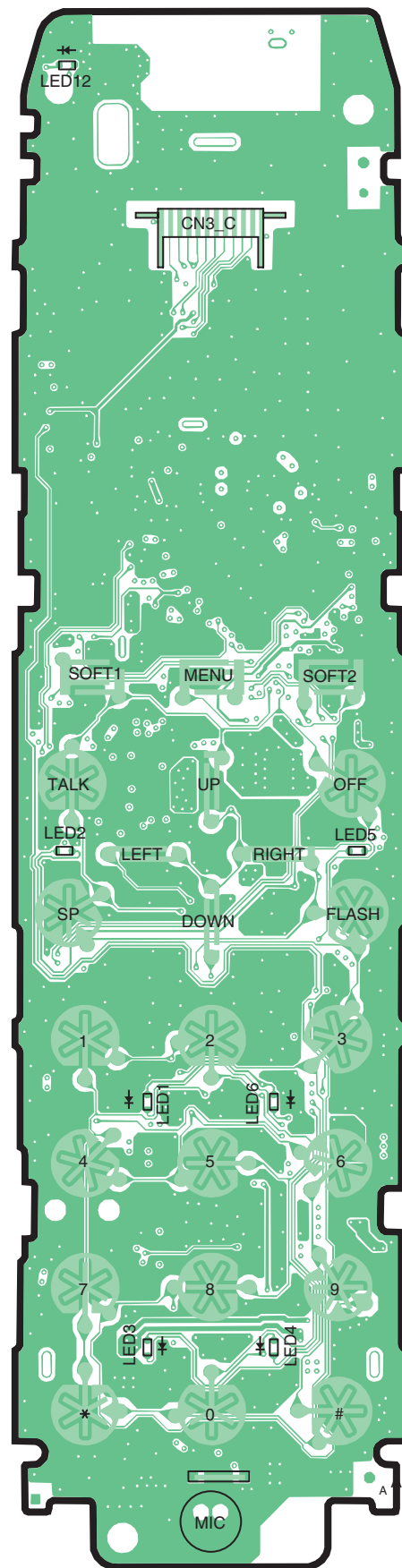
NC: No Components



2.2.1. Component View



2.2.2. Bottom View



KX-TGA660 CIRCUIT BOARD (Handset_Main (Bottom View))

Y.M
KXTG6641B
KXTG6643B
KXTG6644B
KXTG6645B
KXTGA660B