

# 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.









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# 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 <b>ORIGINAL AND NEW PARTS COMPARISON LISTS</b> .	
1. Improve performance	<b>Remarks:</b> *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 <b>ORIGINAL AND NEW PARTS COMPARISON LISTS</b> .		
V	Original  Early (before change) New  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  Early (before change) New  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  Early (before change) New  Late (after change)	New parts only may be used in early or late production sets. Stock new parts.
Y	Original  Early (before change) New  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:**

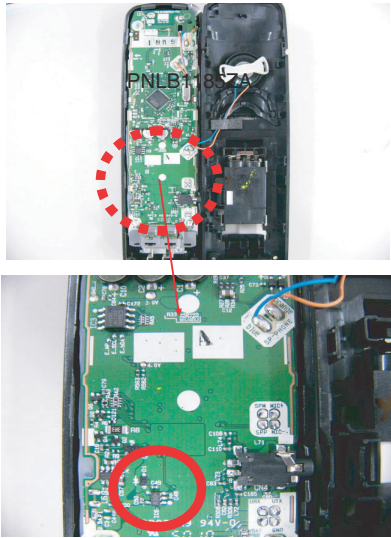
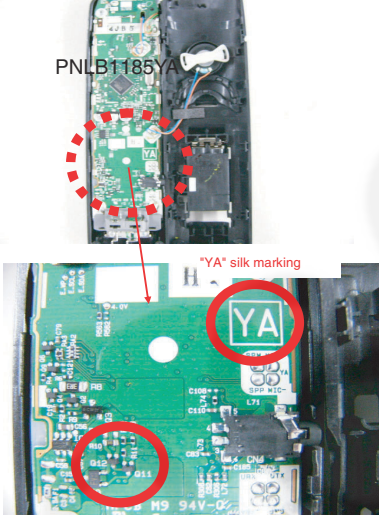
Alphabets in the "Remarks" column in the following lists correspond to the alphabets in the "Remarks" in REFERENCE CHART.

## 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					
<b>Main P.C.Board Parts(Base Unit)</b>							
Q111, Q171, Q361, Q363	B1ABCF000103	<b>B1ABDF000017</b>	TRANSISTOR(SI)	4	*c	8 V	---
<b>Main P.C.Board Parts(Handset)</b>							
IC6	C0CBCBD00028	-----	IC	0	*A	6 -	---
Q9	B1ABCF000103	<b>B1ABDF000017</b>	TRANSISTOR(SI)	1	*c	8 V	---
Q10	-----	<b>B1ADNB000003</b>	TRANSISTOR(SI)	1	*A	5 -	---
Q11	-----	<b>B1ABDF000017</b>	TRANSISTOR(SI)	1	*A	5 -	---
Q12	-----	<b>B1ADCF000040</b>	TRANSISTOR(SI)	1	*A	5 -	---
D1	MAZ8110GML	-----	DIODE(SI)	0	*A	6 -	---
D13	B0BC4R3A0006	<b>MA8043</b>	DIODE(SI)	1	*A	8 V	---
D14	B0BC4R3A0006	<b>MA8043</b>	DIODE(SI)	1	*A	8 V	---
D21	B0BC4R3A0006	<b>MA8043</b>	DIODE(SI)	1	*A	8 V	---
D22	B0BC4R3A0006	<b>MA8043</b>	DIODE(SI)	1	*A	8 V	---
R10	-----	<b>ERJ3GEYJ1R0</b>	RESISTOR, 1Ω	1	*A	5 -	---
R11	-----	<b>ERJ2GEJ681</b>	RESISTOR, 680Ω	1	*A	5 -	---
R12	-----	<b>ERJ2GEJ183</b>	RESISTOR, 18kΩ	1	*A	5 -	---
R13	-----	<b>ERJ2GEJ103</b>	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
	
<p>In the case of Main P.C.Board Part No. PNLB1885ZA, use the original (old) parts.</p>	<p>In the case of Main P.C.Board Part No. PNLB1885YA, use the new parts.</p>

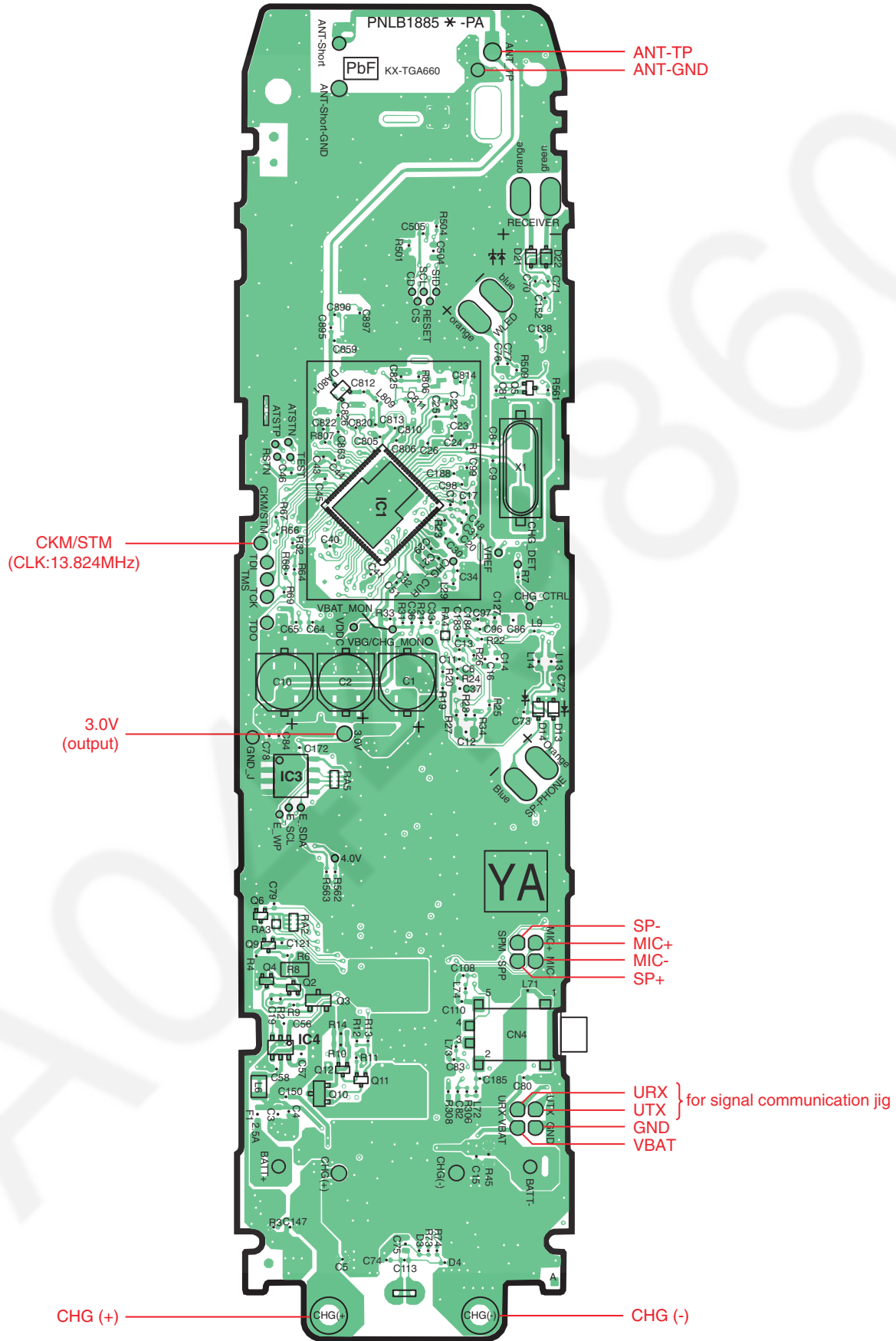




## 2.2. Circuit Board (Handset\_Main) (PNLB1885YA)

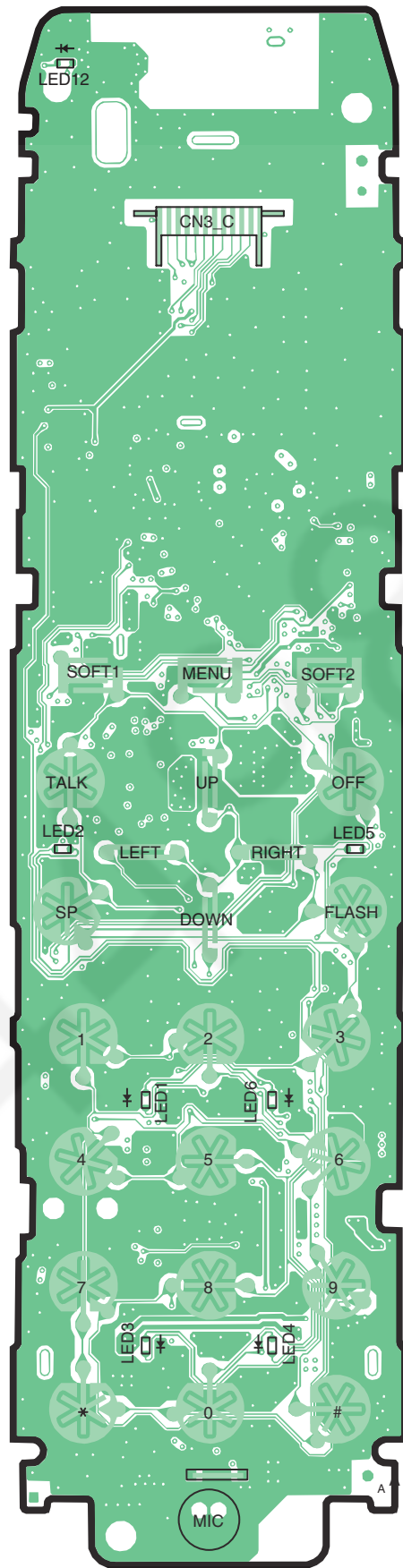
[Changed from original section "15.4 Circuit Board (Handset\_Main)"]

### 2.2.1. Component View



KX-TGA660 CIRCUIT BOARD (Handset\_Main (Component View))

### 2.2.2. Bottom View



KX-TGA660 CIRCUIT BOARD (Handset\_Main (Bottom View))

A0449860

Y.M  
KXTG6641B  
KXTG6643B  
KXTG6644B  
KXTG6645B  
KXTGA660B