

Service Manual

Telephone Equipment

KX-TG6700B

KX-TG6702B

KX-TGA670B

5.8 GHz Expandable Digital Cordless
Answering System

5.8 GHz Expandable Digital Cordless
Answering System with Two Handsets

Black Version

(for U.S.A.)

Supplement-2

Please file and use this supplement manual together with the service manual for Model No.KX-TG6700B/
KX-TG6702B/KX-TGA670B, Order No.40604038CE.

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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


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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 ORIGINAL AND NEW PARTS COMPARISON LISTS .	
1. Improve performance	Remarks: a. 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 	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 	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 	New parts only may be used in early or late production sets. Stock new parts.
Y	Original New 	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.

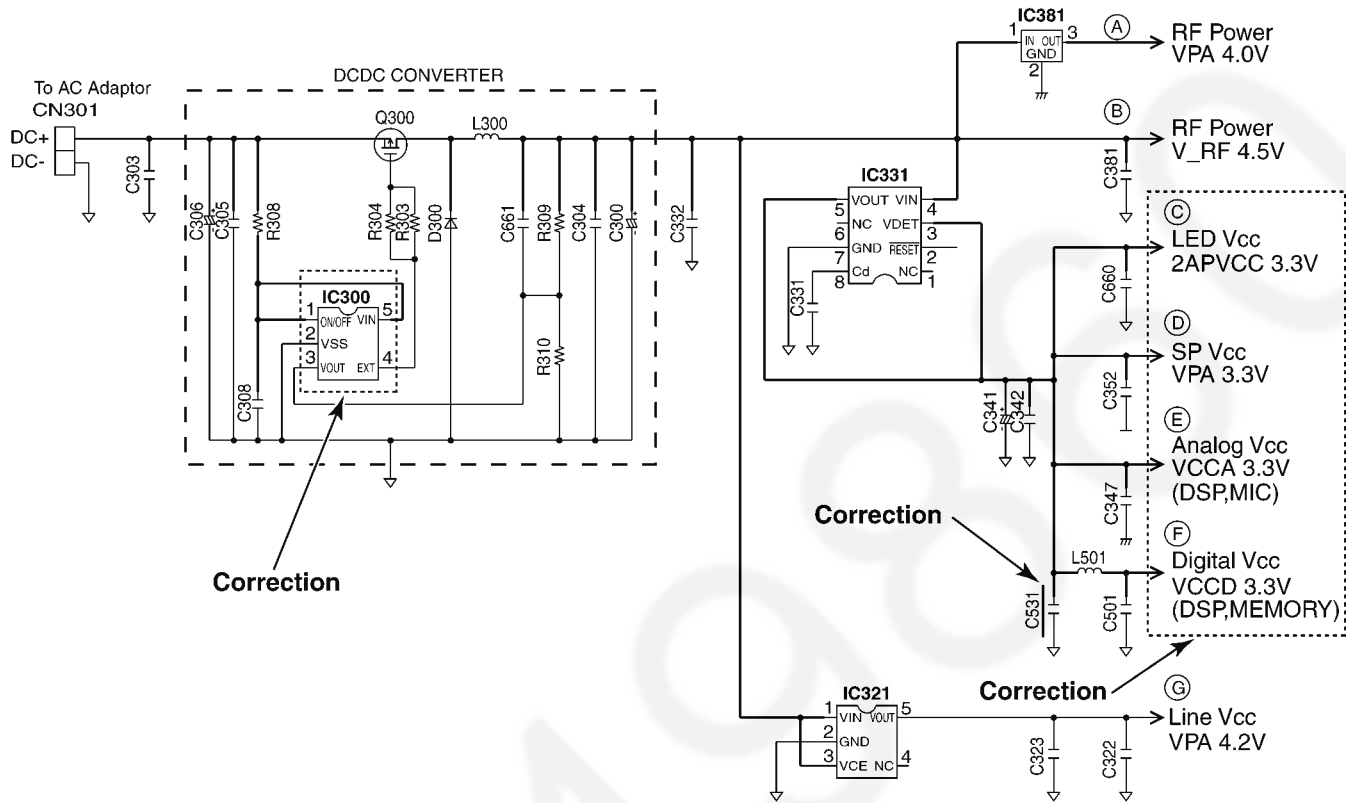
1.2. ORIGINAL AND NEW PARTS COMPARISON LISTS

(for KX-TG6700B/KX-TG6702B/KX-TGA670B)

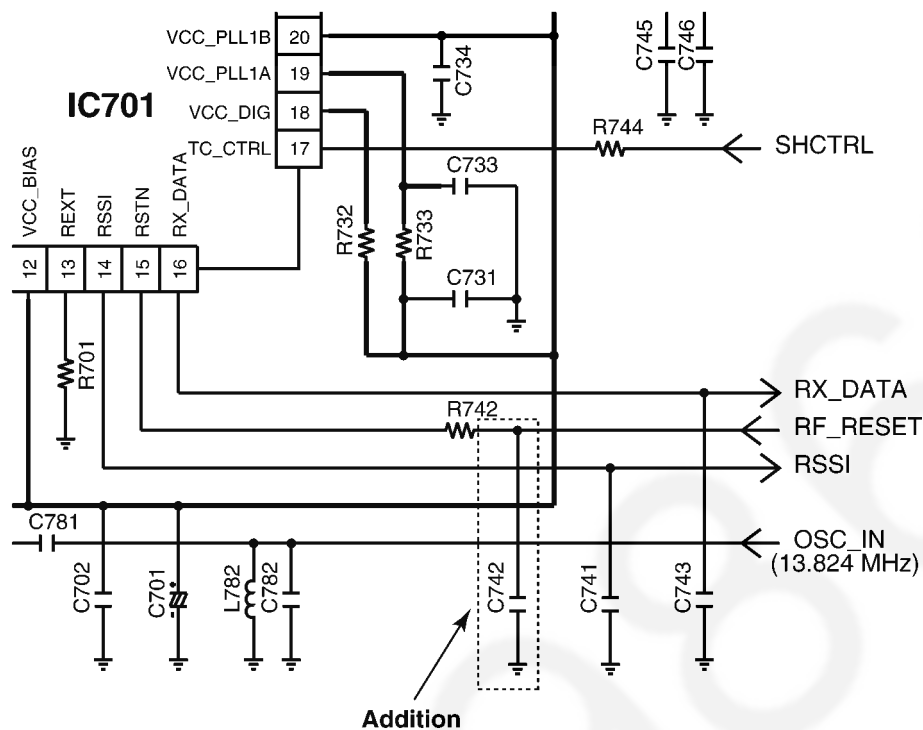
Ref. No.	Part No.		Part Name & Description	Pcs/ Set	Remarks	Notes	Time of Change (Suffix)
	Original (Old)	New					
BASE UNIT							
12	PQJT10241Z	PQJT10241Y	Charge Terminal (L)	1	a	4 V	-
13	PQJT10242Z	PQJT10242Y	Charge Terminal (R)	1	a	4 V	-
IC701	C1CB00001657	C1CB00002285	IC	1	a	4 V	-
HANDSET							
117	PQWE10044Z	PQWE10044Y	Battery Terminal	1	a	4 V	-
IC701	C1CB00001657	C1CB00002285	IC	1	a	4 V	-
CHARGER UNIT							
200-6	PQJT10241Z	PQJT10241Y	Charge Terminal (L)	1	a	4 V	-
200-6	PQJT10241Y	PQJT10241X	Charge Terminal (L)	1	a	4 V	-
200-7	PQJT10242Z	PQJT10242Y	Charge Terminal (R)	1	a	4 V	-
ACCESSORIES AND PACKING MATERIALS (KX-TG6700B)							
A7	PQQV10308Z	PQQV10494Z	Card, CCP	1	a	4 V	-
ACCESSORIES AND PACKING MATERIALS (KX-TG6702B)							
A107	PQQV10308Z	PQQV10494Z	Card, CCP	1	a	4 V	-

2 CORRECTION

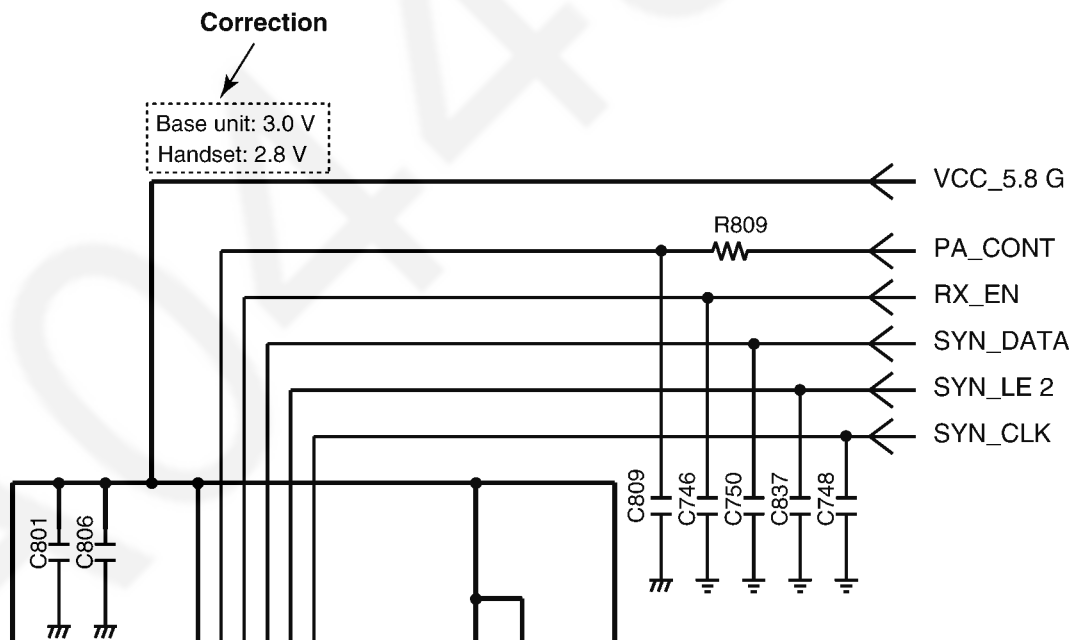
2.1. Power Supply Circuit (Changed from original section 4.5.3. Power Supply Circuit)



2.4. 2.4 GHz Mod/Demod Circuit (Changed from original section 4.9.2. 2.4 GHz Mod/Demod Circuit)



2.5. 5.8 GHz Converter Circuit (Changed from original section 4.9.3. 5.8 GHz Converter Circuit)



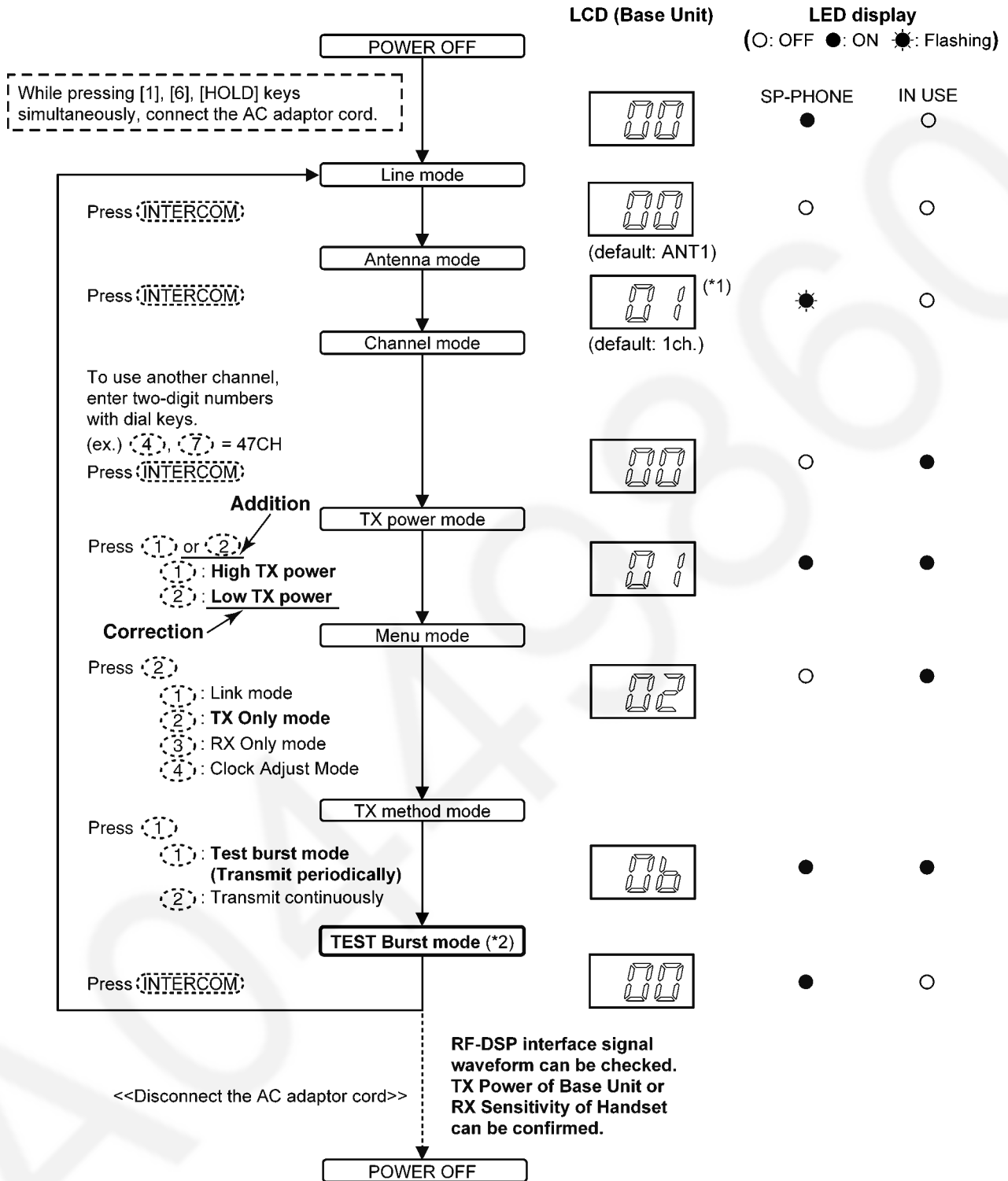
2.6. Signal Route (Changed from original section 4.11. Signal Route)

RF part signal route

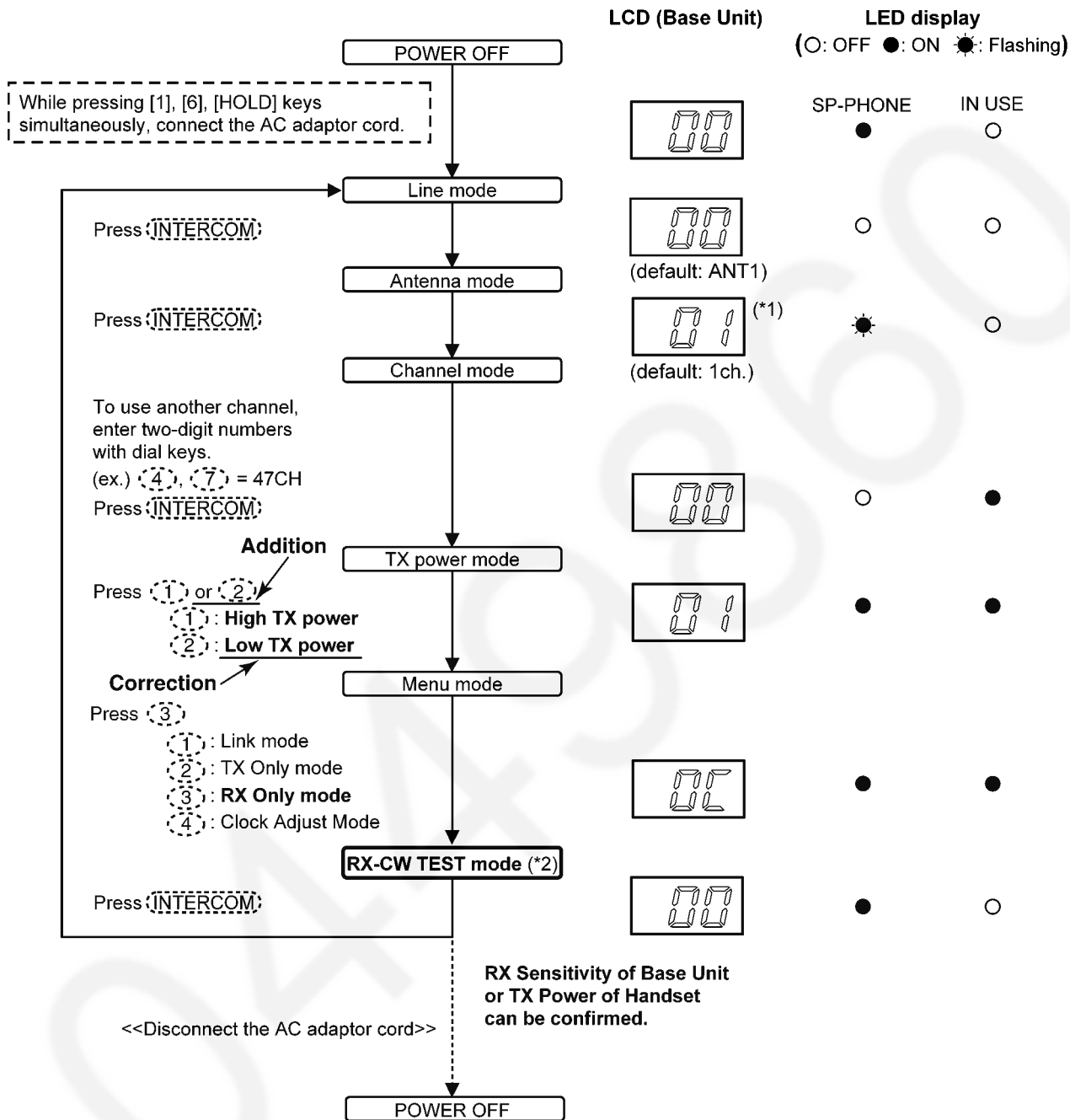
SIGNAL ROUTE	IN	→	ROUTE	→	OUT
HANDSET RF [TX_ROUTE]	< R747 - R751 - IC701(27 - 1) - C715 - C716 - IC801(17 - 2) - C811 - FL811 - R813 - IC851(18 - 5) - C881 - FL881 >				
HANDSET RF [RX_ROUTE]	< FL881 - C881 - IC851(5 - 12) - C824 - R823 - FL821 - C821 - IC801(5 - 15) - C725 - C722 - IC701(4 - 16) >				
BASE UNIT RF [TX_ROUTE]	< R747 - R751 - IC701(27 - 1) - C715 - C716 - IC801(17 - 2) - C811 - FL811 - R813 - IC851(18 - 5/2) - C881/C891 - FL881/FL891 >				
BASE UNIT RF [RX_ROUTE]	< FL881/FL891 - C881/C891 - IC851(5/2 - 12) - C824 - R823 - FL821 - C821 - IC801(5 - 15) - C725 - C722 - IC701(4 - 16) >				

Correction

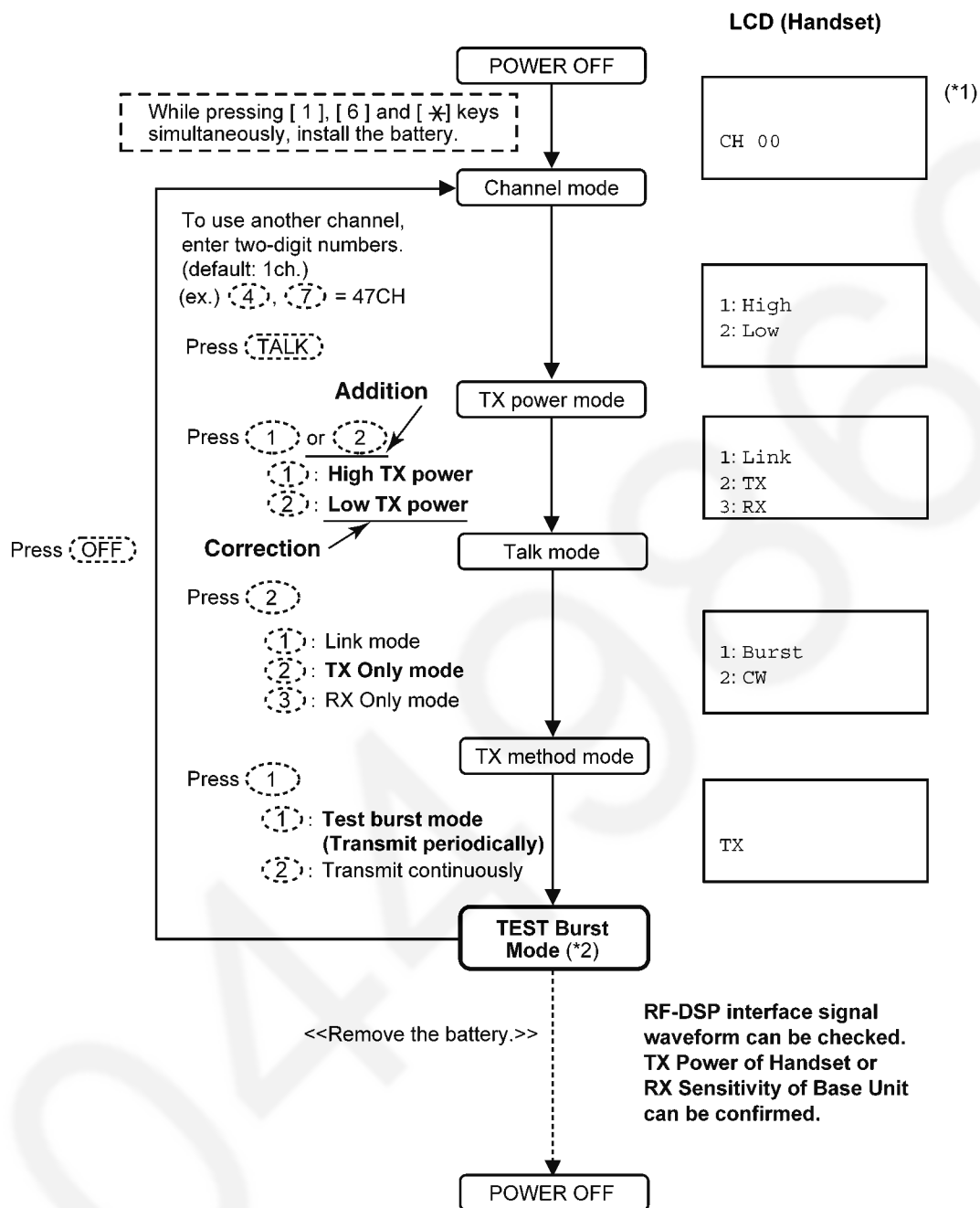
2.7. Test Burst Mode for Base Unit (Changed from original section 8.1.1. Test Burst Mode for Base Unit)



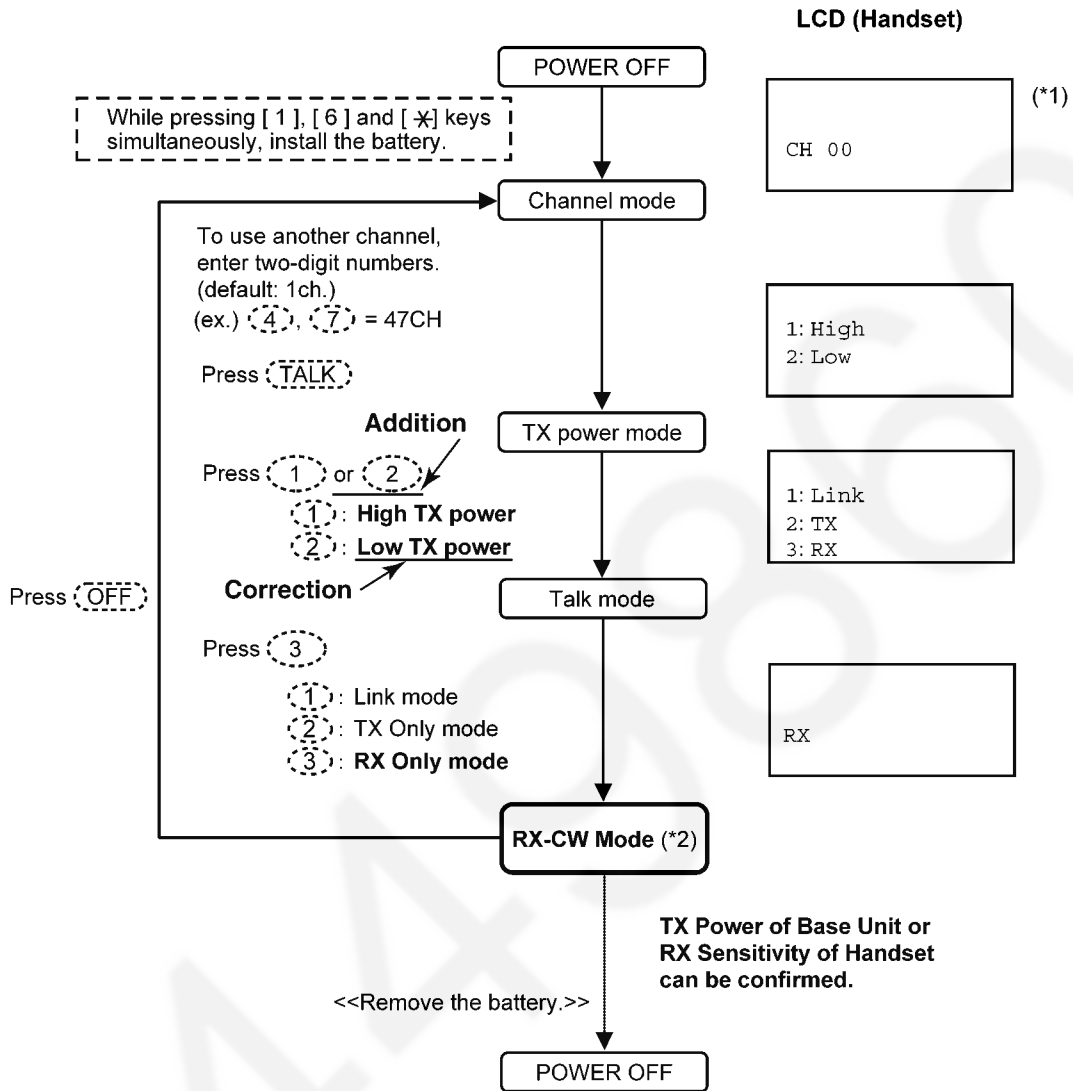
2.8. RX-CW Test Mode for Base Unit (Changed from original section 8.1.2. RX-CW Test Mode for Base Unit)



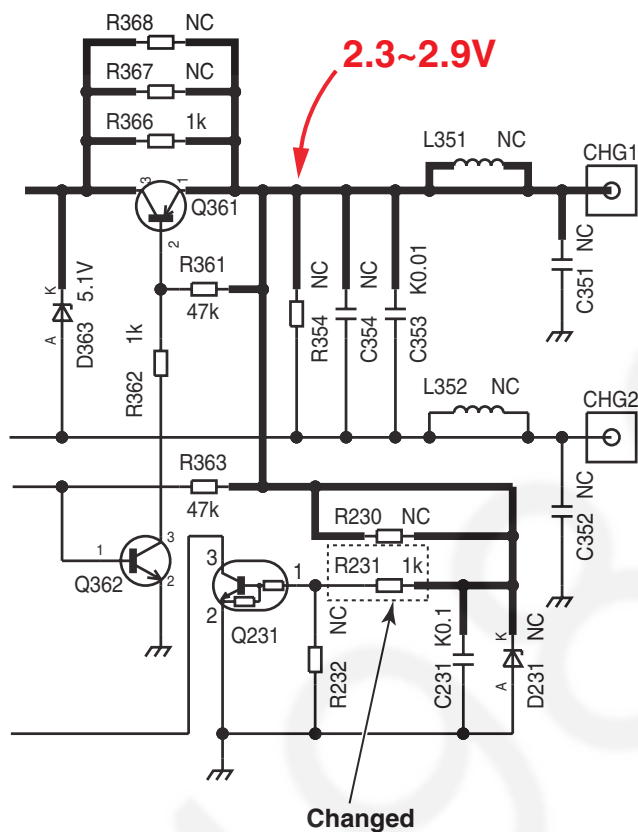
2.9. Test Burst Mode for Handset (Changed from original section 8.1.5. Test Burst Mode for Handset)



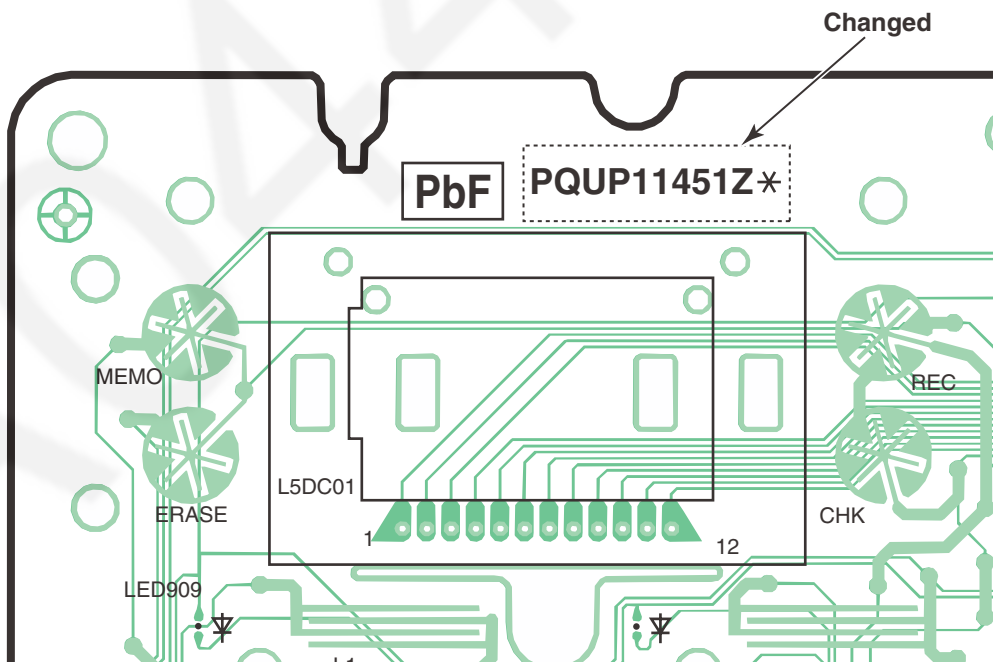
2.10. RX-CW Test Mode for Handset (Changed from original section 8.1.6. RX-CW Test Mode for Handset)



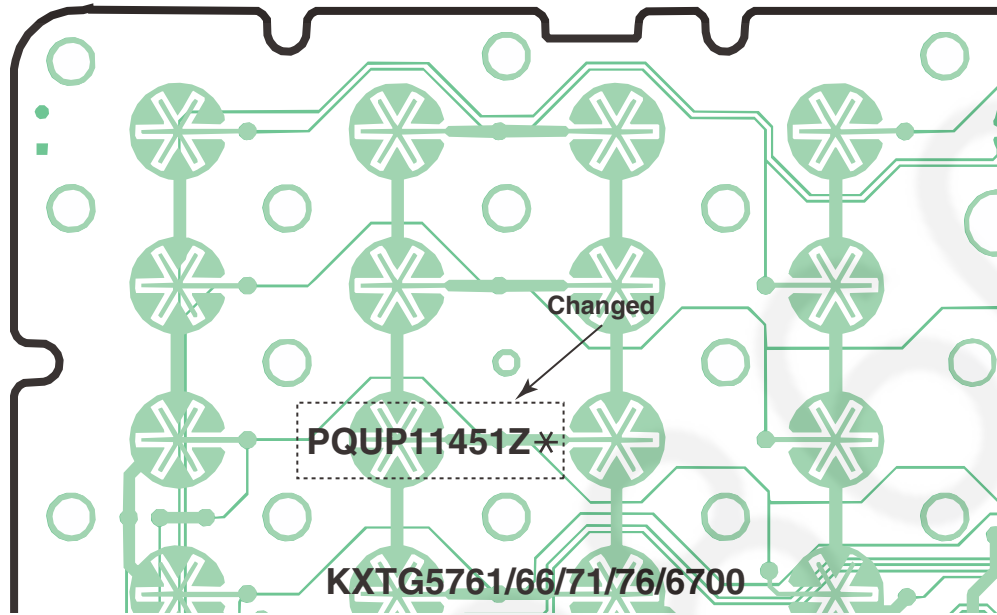
2.11. Schematic Diagram (Handset_Main) (Changed from original section 13.5. Schematic Diagram (Handset_Main))



2.12. Component View (Changed from original section 14.3.1. Component View)



2.13. Component View (Changed from original section 14.3.2. Flow Solder Side View)

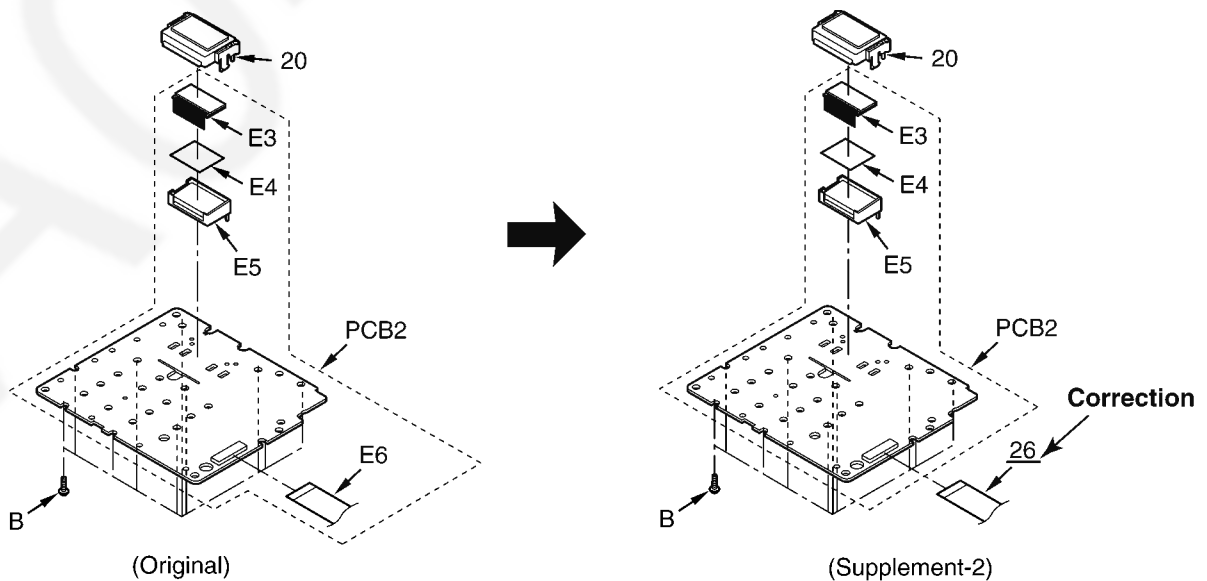


2.14. IC201 (Changed from original section 15.2.1. IC201)

PIN	Description	I/O	High	High_Z	Low
87	IBAT1	A.I			
88	VREF	A.O			
89	MIP	A.I			
90	MIN	A.I			
91	IBAT2	A.I.O			
92	GNDA	GNDA	--	--	GNDA

Correction

2.15. Cabinet and Electrical Parts (Base Unit) (Changed from original section 16.1. Cabinet and Electrical Parts (Base Unit))



2.16. Cabinet and Electrical Parts (Changed from original section 16.5.3.1. Cabinet and Electrical Parts)

Ref. No.	Part No.	Part Name & Description	Remarks
200	PQLV30043ZB	CHARGER UNIT <u>ASS'Y (RTL)</u>	
200-1	PQKM10721Z5	CABINET BODY	PS-HB
200-2	PQGG10410Z1	GRILLE, CRADLE	ABS-HB

Addition

3 SUP-1 (KM40701535SE)

ORDER NO. KM40701535SE
F12

Service Manual

Telephone Equipment

Supplement-1

KX-TG6700B
KX-TG6702B
KX-TGA670B

5.8 GHz Expandable Digital Cordless Answering System 5.8 GHz Expandable Digital Cordless Answering System with Two Handsets

Black Version
(for U.S.A.)

Please file and use this supplement manual together with the service manual mentioned below.

Model No.	Order No.	Sup. No.	Countries/Areas
KX-TG6700B/KX-TG6702B/KX-TGA670B	KM40604038CE	1	U.S.A.

⚠ 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 CHANGES	2	1.1. REPLACEMENT PARTS LIST

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






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1 CHANGES

1.1. REPLACEMENT PARTS LIST

1.1.1. 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: a. To share with other models. For RoHS-compliant parts marked by *R
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  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.

1.1.2. ORIGINAL AND NEW PARTS COMPARISON LISTS

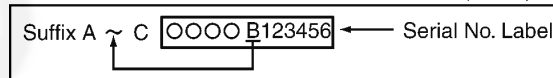
Change of the Suffix Code

- Base Unit

Suffix Code	Reasons of change
A to B	To share with other models, so that there is no change in the replacement parts list.
B to C	To share with other models, so that there is no change in the replacement parts list.

Serial No. Label tells you the suffix code as follows

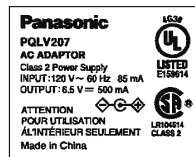
(Example)



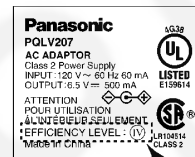
(for KX-TG6700B/KX-TG6702B/KX-TGA670B)

Ref. No.	Part No.		Part Name & Description	Pcs/ Set	Remarks	Notes	Time of Change (Suffix)
	Original (Old)	New					
BASE UNIT							
CN101	PQJ1TB26Z	K2LB1YYB0001	Jack	1	*R	8 V	-
E6	PQJE10172X	PQJE10177X	Lead Wire, FFC	1	a	4 V	-
HANDSET							
Q262	PSVTUMG11NTR	B1GFCFEN0011	Transistor (Si)	1	*R	8 V	-
R231	ERJ2GEJ223	ERJ2GEJ102	Resistor, 1kΩ	1	a	4 X	-
ACCESSORIES AND PACKING MATERIALS (KX-TG6700B)							
A1	PQLV207Z	PQLV207V	AC Adaptor △	1	a	4 W	-
ACCESSORIES AND PACKING MATERIALS (KX-TG6702B)							
A101	PQLV207Z	PQLV207V	AC Adaptor △	2	a	4 W	-
ACCESSORIES AND PACKING MATERIALS (KX-TGA670B)							
A201	PQLV207Z	PQLV207V	AC Adaptor △	1	a	4 W	-

The label of AC Adaptor has been changed as shown below.



[Old]



[New]

Addition

A0449860

G
KXTG6700B
KXTG6702B
KXTGA670B