

Service Manual

Telephone Equipment

Model No. **KX-TG8200BXB**
KX-TGA820BXB

Digital Cordless Phone

Black Version

(for Middle Near East and Africa)

Supplement-1

Please file and use this supplement manual together with the service manual for Model No.KX-TG8200BXB/KX-TGA820BXB, Order No.KM40710464CE.

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	Remark: *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  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.

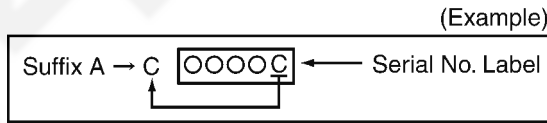
1.2. ORIGINAL AND NEW PARTS COMPARISON LISTS

Change of the Suffix Code

●Base Unit

Suffix Code	Reasons of change
A → B	Due to revision of suffix of handset (A to B). There is no change in the replacement parts list.
B → C	Due to revision of suffix of handset (B to C). There is no change in the replacement parts list.

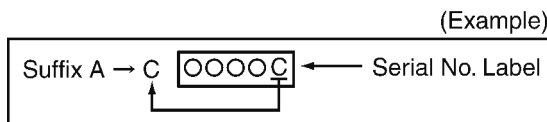
Serial No.Label tells you the suffix code as follows.



●Handset

Suffix Code	Reasons of change
A → B	To change software. [Program Ver. DAF2BA → DAF2BB]
B → C	To change software. [Program Ver. DAF2BB → DAF2BC]

Serial No.Label tells you the suffix code as follows.



Ref. No.	Part No.		Part Name & Description	Pcs/ Set	Remarks	Notes		Time of Change (Suffix)
	Original (Old)	New						
BASE UNIT								
P1	ERDS1VJ000	-----	RESISTOR, 0Ω	0	*c	6	---	---
ACCESSORIES AND PACKING MATERIALS (For KX-TG8200BxB)								
A3	PQQX16114Z	PQQX16114Y	INSTRUCTION BOOK (*1)	1	---	8	X	---
A5	PQQW15797Z	PQQW15797Y	LEAFLET, QUICK GUIDE (for Persian)	1	---	8	X	---

2 CORRECTION

2.1. Things to Do after Replacing IC or X'tal

[Changed from original section "11.6. Things to Do after Replacing IC or X'tal"]

2.1.1. Base Unit

Items		Necessary Adjustment
BBIC (FLASH type) (IC7)	Programs for Voice processing, interface for RF and EEPROM	<ol style="list-style-type: none"> 1. Make sure to connect the JIG cable, then detach the DC Power. 2. Execute the command "flw438 *****.hex". 3. Connect the DC Power. 4. Press the PC Enter key once. 5. After a few minutes, "Successful upgrade" is displayed on the PC indicating downloading has finished. 6. Detach the JIG cable, then disconnect the DC Power. 7. Connect the DC Power. 8. Connect the JIG cable again, and execute the command "getchk", then confirm the checksum value is correct. <ul style="list-style-type: none"> • If the downloading fails, start again from step 1. 9. Default batch file: Execute the command "default.bat". 10. Country version batch file: Execute the command "TG8200XXrevYY.bat". (*1) 11. Clock adjustment: Refer to Check Point (F). (*2)
BBIC (COB type) (IC7)	Programs for Voice processing, interface for RF and EEPROM	<ol style="list-style-type: none"> 1. Default batch file: Execute the command "default.bat". 2. Country version batch file: Execute the command "TG8200XXrevYY.bat". (*1) 3. Clock adjustment: Refer to Check Point (F). (*2)
EEPROM (IC5)	Adjustment parameter data (country version batch file, default batch file, etc.)	<ol style="list-style-type: none"> 1. Change the address "0000" of EEPROM to "AA". 2. Default batch file: Execute the command "default.bat". 3. Country version batch file: Execute the command "TG8200XXrevYY.bat". (*1) 4. Clock adjustment: Refer to Check Point (F). (*2)
X'tal (X1)	System clock	<ol style="list-style-type: none"> 1. Refer to Check Point (F). (*2)

Deletion

Note:

(*1) XX: country code, YY: revision number

"XX" and "YY" vary depending on the country version. You can find them in the batch file, PQZZ- mentioned in **JIG and PC** (P.59).

(*2) Refer to **Check Point (Base Unit)** (P.44)

2.1.2. Handset

Items		Necessary Adjustment
BBIC (FLASH type) (IC1)	Programs for Voice processing, interface for RF and EEPROM	<ol style="list-style-type: none"> 1. Make sure to connect the JIG cable, then detach the DC Power. 2. Execute the command "flw430 *****.hex". 3. Connect the DC Power. 4. Press and hold the handset Power key. 5. While holding down the handset Power key, press the PC Enter key once. 6. After a few minutes, "Successful upgrade" is displayed on the PC indicating downloading has finished. 7. Detach the JIG cable, then press the handset Power key to turn it on. 8. Connect the JIG cable again, and execute the command "getchk", then confirm the checksum value is correct. <ul style="list-style-type: none"> • If the downloading fails, start again from step 1. 9. Default batch file: Execute the command "default.bat". 10. Default batch file (remaining): Execute the Command "TGA820DEFrevYY.bat". (*3) 11. Country version batch file: Execute the command "TGA820XXrevYY". (*3) 12. Clock adjustment: Refer to Check Point (J). (*4) 13. 1.8 V setting and battery low detection: Refer to Check Point (A), (H) and (I). (*4)
Deletion → BBIC (QFP/COB type) (IC1)	Programs for Voice processing, interface for RF and EEPROM	<ol style="list-style-type: none"> 1. Default batch file: Execute the command "default.bat". 2. Default batch file (remaining): Execute the Command "TGA820DEFrevYY.bat". (*3) 3. Country version batch file: Execute the command "TGA820XXrevYY". (*3) 4. Clock adjustment: Refer to Check Point (J). (*4) 5. 1.8 V setting and battery low detection: Refer to Check Point (A), (H) and (I). (*4)
EEPROM (IC3)	Adjustment parameter data (country version batch file, default batch file, etc.)	<ol style="list-style-type: none"> 1. Default batch file: Execute the command "default.bat". 2. Default batch file (remaining): Execute the Command "TGA820DEFrevYY.bat". (*3) 3. Country version batch file: Execute the command "TGA820XXrevYY". (*3) 4. Clock adjustment: Refer to Check Point (J). (*4) 5. 1.8 V setting and battery low detection: Refer to Check Point (A), (H) and (I). (*4)
X'tal (X1)	System clock	<ol style="list-style-type: none"> 1. Refer to Check Point (J). (*4)

Note:

(*3) XX: country code, YY: revision number

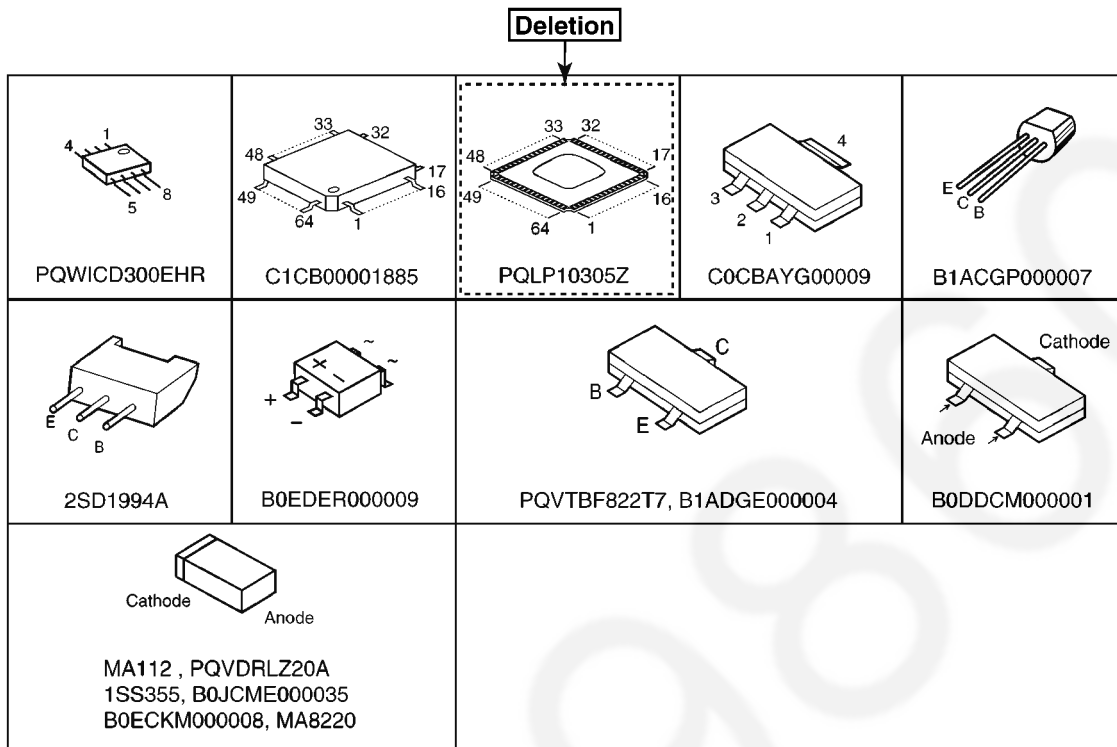
"XX" and "YY" vary depending on the country version. You can find them in the batch file, PQZZ- mentioned in **JIG and PC** (P.59).

(*4) Refer to **Check Point (Handset)** (P.47)

2.2. Terminal Guide of the ICs, Transistors and Diodes

[Changed from original section “14.3. Terminal Guide of the ICs, Transistors and Diodes”]

2.2.1. Base Unit



2.2.2. Handset

