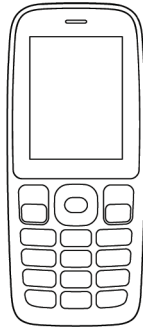


Service Manual

Feature Phone



KX-TF400
(Handset)

Model No. KX-TF400EX

B; Black Version

C; Blue Version

[For End Users]

Configuration for each model


Model No	Base Unit	Handset	Charger Unit	Expandable
KX-TF400		1 (TF400)		



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.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

IMPORTANT INFORMATION ABOUT LEAD FREE, (PbF), SOLDERING

If lead free solder was used in the manufacture of this product, the printed circuit boards will be marked PbF. Standard leaded, (Pb), solder can be used as usual on boards without the PbF mark. When this mark does appear, please read and follow the special instructions described in this manual on the use of PbF and how it might be permissible to use Pb solder during service and repair work.

- When you note the serial number, write down all 11 digits. The serial number may be found on the bottom of the unit.
- The illustrations in this Service Manual may vary slightly from the actual product.

1 Warning

1.1 Battery Caution

Risk of explosion if battery is replaced by an incorrect type.
Dispose of used batteries according to the instructions.

2 Warnung





2.1. Vorsichtshinweis zum Akku

Explosionsgefahr bei Verwendung
nicht geeigneter Akkus. Entsorgen Sie gebrauchte
Akkus gemäß den Anweisungen.

2 Disassembly and Assembly Instructions

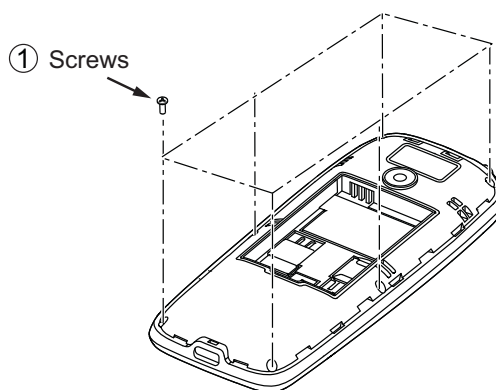
Note:

Tools list used for disassembly the mobile phone.

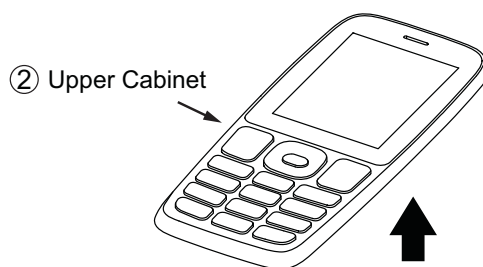
Tool	Tool picture only for reference
Phillips screwdriver	<div> Tip of the screwdriver</div> 
Tweezer	
Electric soldering iron	

2.1 Disassembly Instructions (Handset (Main P.C. board))

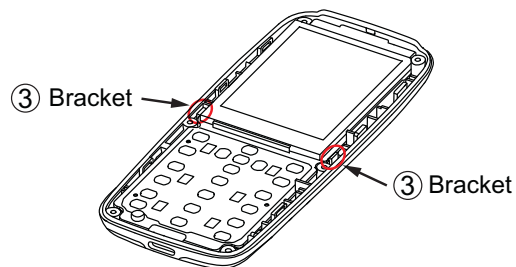
- ① Take out the Battery Cover and remove the 6 Screws.



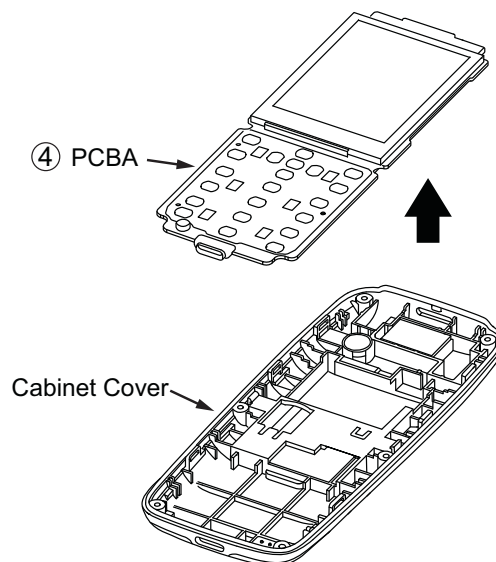
- ② Remove the Upper Cabinet from Cabinet Cover.



- ③ Unlock the buckles of the Bracket to remove the PCBA.



- ④ Remove the PCBA from Cabinet Cover.



2.2 How to replace the Handset LCD

Notes:

The illustrations are simplified in this page.

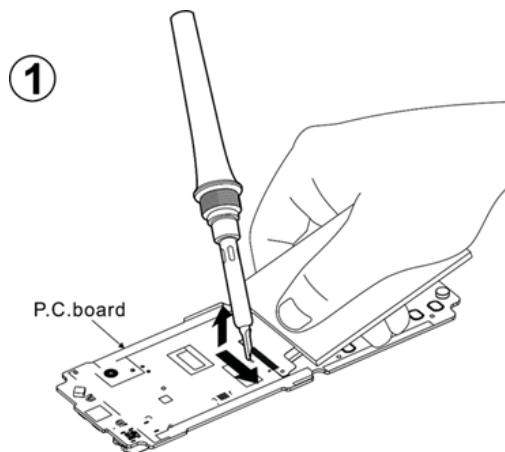
They may differ from the actual product.

- ① Remove the LCD: use soldering iron to solder the FPC pins of LCD, and peel off the FPC pin of LCD from the P.C. board, in the direction of the arrow.

Note:

The soldering iron temperature should be controlled in $360\pm 10^{\circ}\text{C}$ about 3 to 5 seconds.

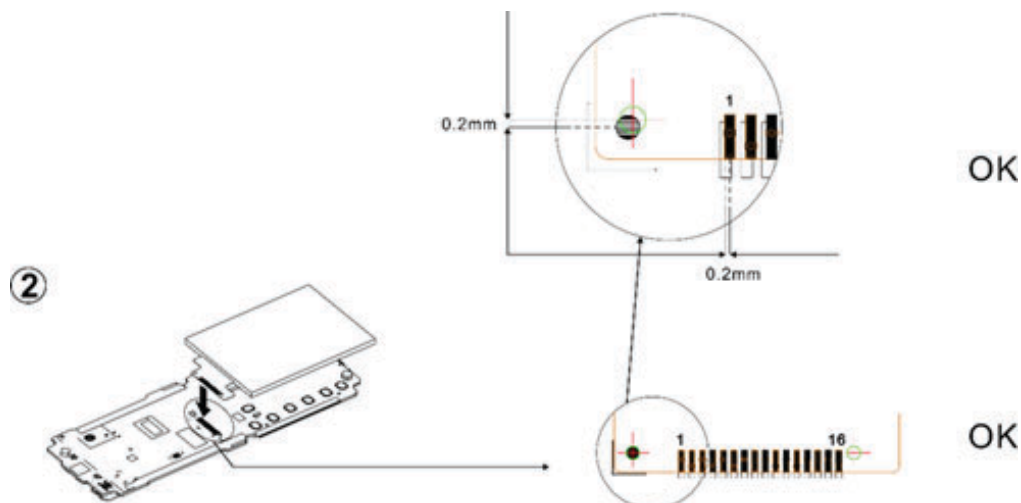
Take care to ensure that the foil on the P.C. board is not damaged.



- ② Fit a new LCD: tear off the double-sided adhesive release paper from the new LCD, then fixing the LCD FPC on the P.C. board.

Note:

If interval tolerance between center lines is less than 0.2mm, it is ok.

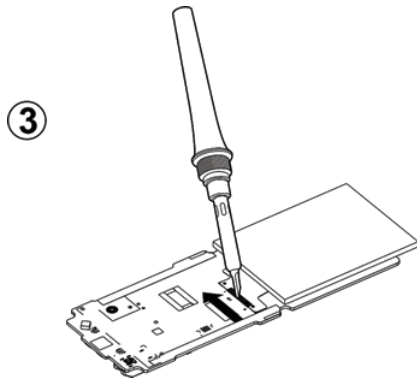


- ③ Use soldering iron to solder the FPC pins of LCD, in the direction of the arrow.

Note:

The soldering iron temperature should be controlled in $360\pm10^{\circ}\text{C}$ about 3 to 5 seconds.

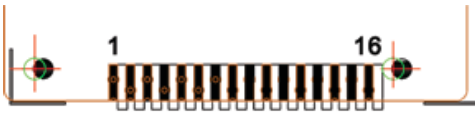
Check each FPC pin should good soldered to the P.C. board.



NG



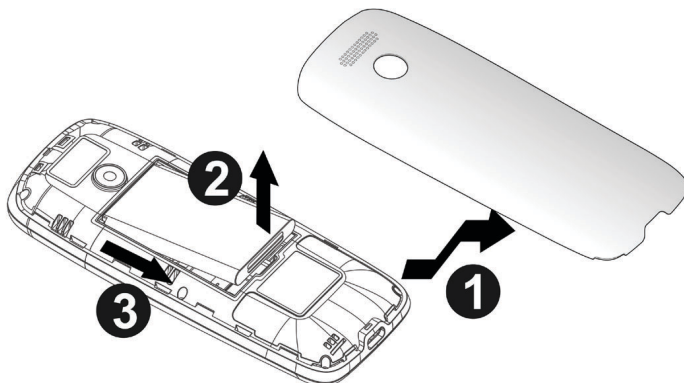
NG



NG

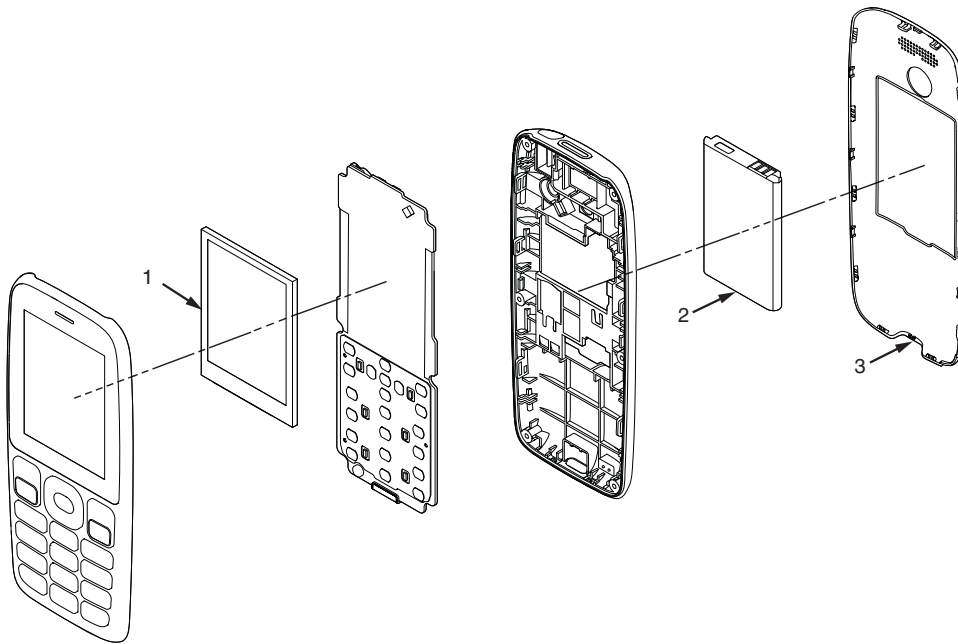
2.3 How to replace the Battery and Battery cover

Remove the phone's cover ①, and lift the battery ②, then remove it ③.



3 Exploded View and Replacement Parts List

3.1 Exploded View



3.2 Replacement Parts List

Safety	Ref.No.	Part No.	Part Name & Description	Remarks
	1	PNWYA400EX03	LCD (with LCD conductive sticker)	
	2	PNWYA400EX09	Battery	
	3	PNWYA400EX10	Battery cover (Black color)	
	3	PNWYB400EX10	Battery cover (Blue color)	

4 Change Information

No.	Main Revision Contents	Change of the Suffix Code	Issue
1.0	First version KX-TF400EXB and KX-TF400EXC.	-----	Jun, 2025