ORDER NO. CPD2609248CE

Service Manual

Personal Computer

Model No. **FZ-56mk1 Series**

TOUGHBOOK

Disassembly and Assembly Procedure for Keyboard

DISCLAIMER

This repair information is provided to support maintenance and repair of Panasonic products. Repair procedures may involve disassembly of electrical and electronic components and should be performed only by persons with appropriate technical knowledge, skills, tools, and safety precautions.

Improper repair, modification, or handling of the product may result in personal injury, electric shock, fire, data loss, product malfunction, or other property damage.

Before starting any repair work, ensure that proper electrostatic discharge (ESD) protection measures are in place to prevent damage to electronic components.

Repair procedures, required parts, and product configurations may vary depending on the model, region, or product specification. The procedures and illustrations provided in this document are intended as general guidance and may not represent all product variations.

Panasonic does not assume responsibility for any injury, loss, damage, cost, expense, or product failure arising from repairs, modifications, or servicing performed by users or third parties. Any repair work is performed at the sole risk and responsibility of the person carrying out the repair.

Required Tool:
Refer to the section "Required tools" in the website of "Repair Information and Manual for FZ-56."

Panasonic

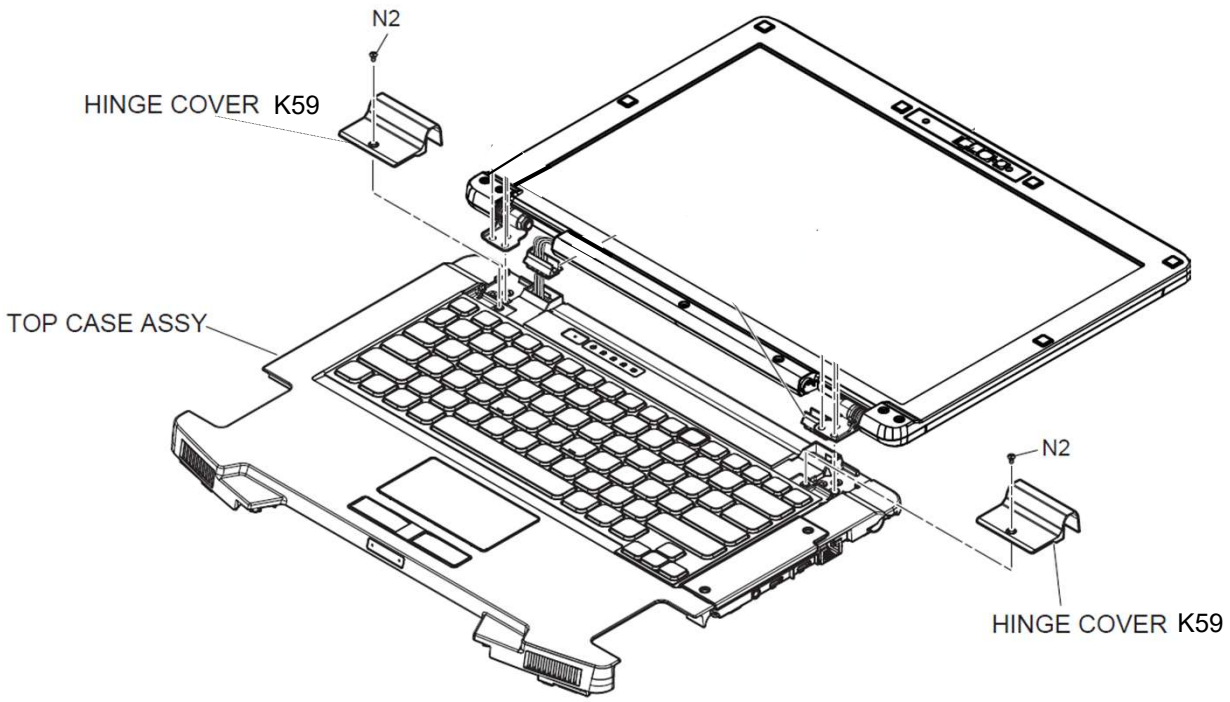
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Keyboard

Disassembly procedure

Remove the battery pack before proceeding with the following steps.

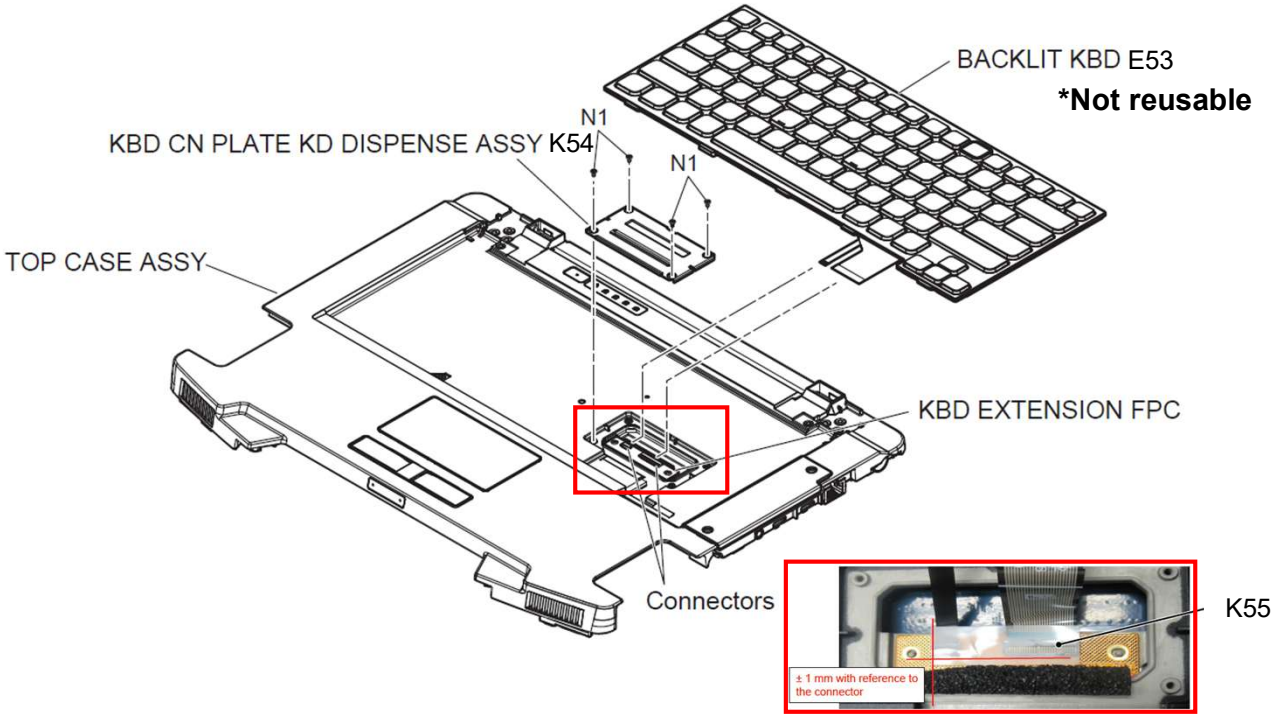
1) Remove 2 screws (N2) and remove the HINGE COVER (K59)



2) Remove 4 screws (N1) and remove KBD CN PLATE KD DISPENSE ASSY (K54)

3) Remove 10 30 Sheet (K55)

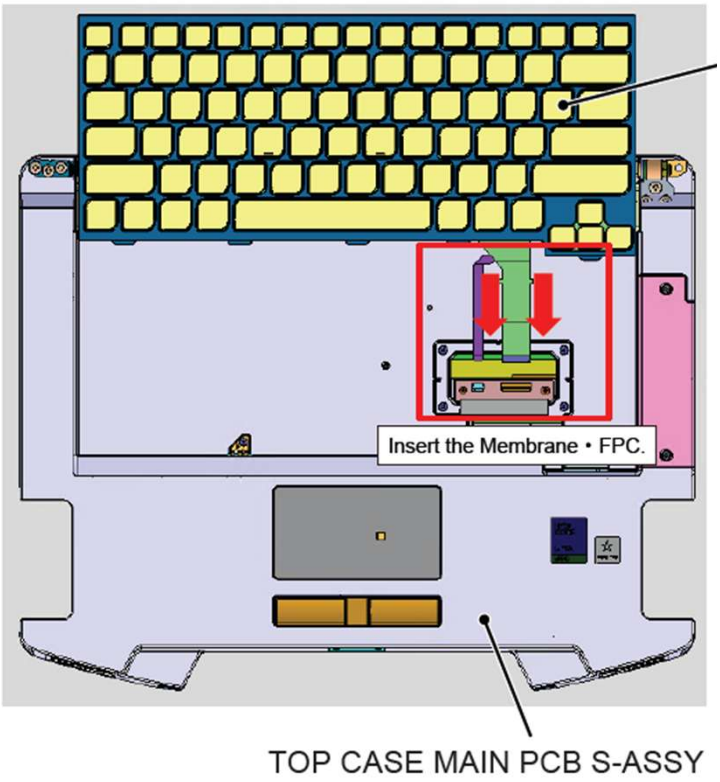
4) Remove BACKLIT KBD (E53)* from 2 Connectors

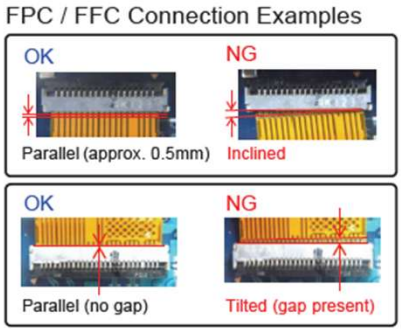


Keyboard

Assembly procedure

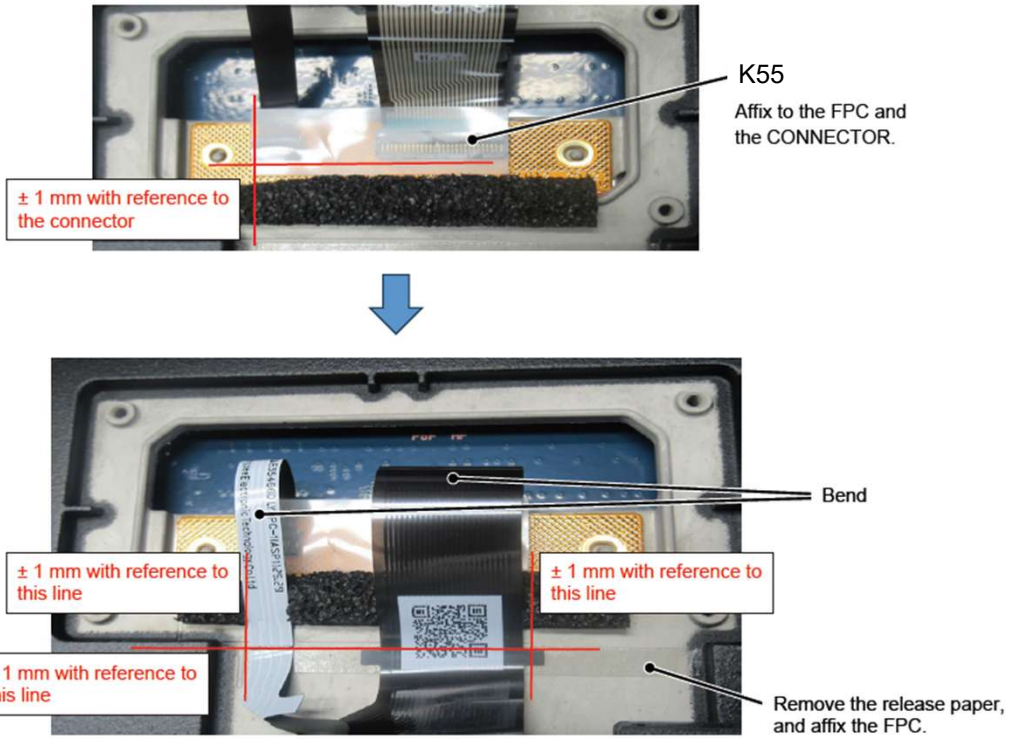
1) Insert FPC / FFC of BACKLIT KBD (E53) to connectors





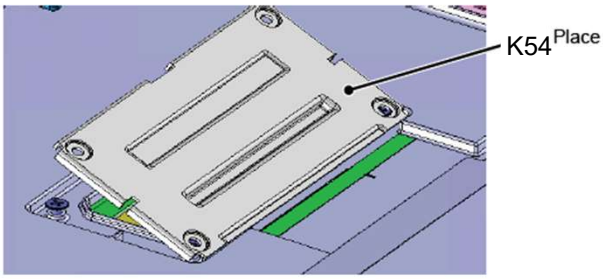
2) Apply 10 30 sheet (K55) as following





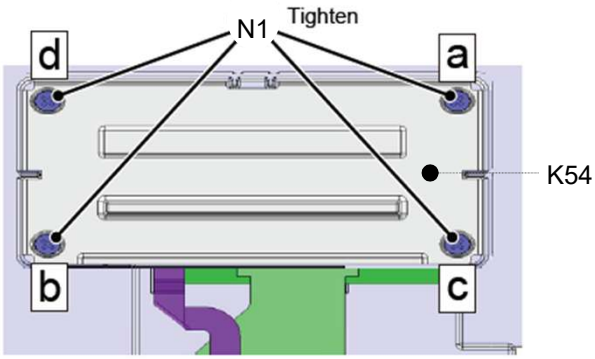
3) Place KBD CN PLATE KD DISPENSE ASSY (K54) and secure with 4 screws (N1)





To prevent the film and FPC from bending or being pinched, please install from the front first.

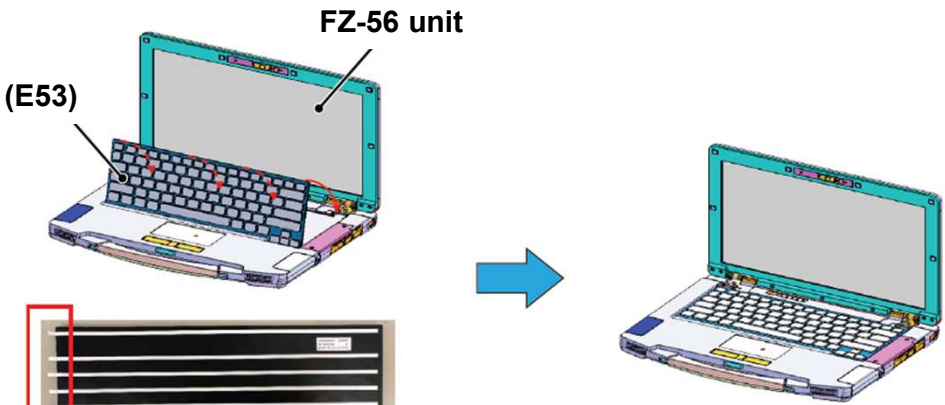




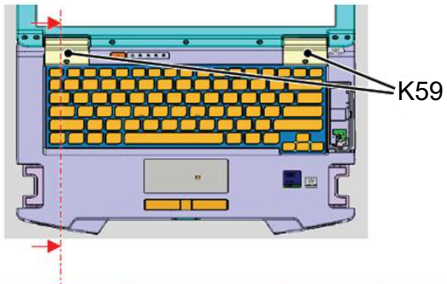
Screw tightening torque
0.20 N•m ± 0.02 N•m (2.0 ± 0.2 kgf•cm)

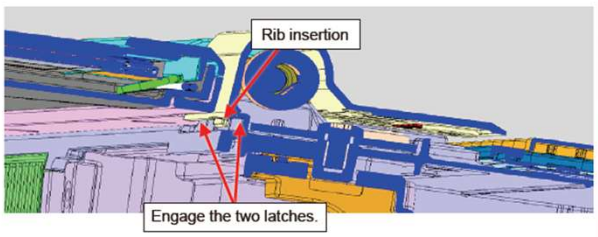
Screw tightening order
a to d

4) Fix BACKLIT KBD (E53) and insert HINGE COVER (K59)



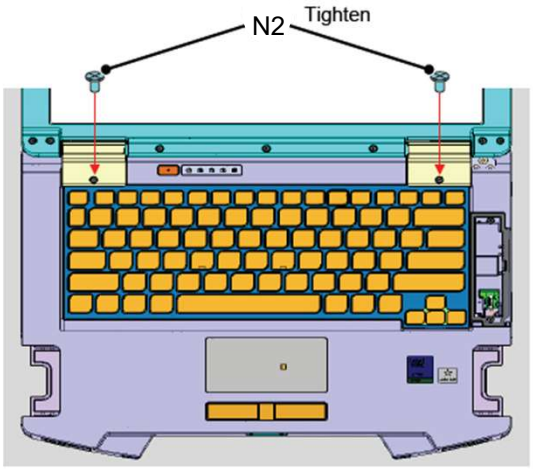
After removing the separator, attach it onto the BOX ASSY.



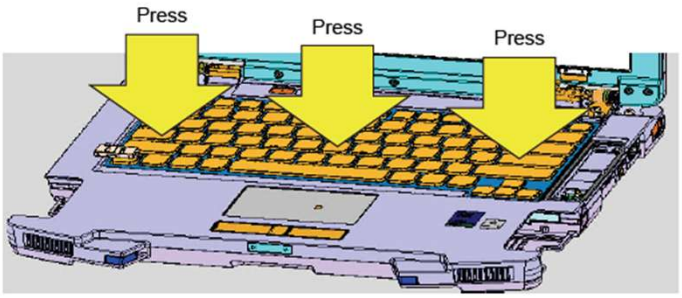


Note:
Be sure to push in the HINGE COVER from above.

5) Tighten 2 screws (N2) and apply pressure across the entire surface of the keyboard to secure it.



Screw tightening torque
0.45 N•m ± 0.05 N•m (4.5 ± 0.5 kgf•cm)



Amount of pressure: 10 kgf