Service Manual

Simplified

Notebook Computer

CF-72

TOUGHBOOK

> This is the Service Manual for
> the following areas.
> E …for U.K.
> G …for Germany
> F …for France
> S …for Sweden
> T …for Italy
> P …for Spain

Model Number Reference

The following models are numbered in accordance with the types of CPU, LCD and HDD etc. featured by product.

Model No. CF-72*1 2 3 4* D *5 6*

<u>1</u>: CPU type

   X: Mobile Intel® Pentium® 4 Processor 1.8 GHz-M

<u>2</u>: LCD type

   3: 13.3" TFT Color

<u>3</u>: HDD type / RAM size

   J: 30 GB / 256 MB

<u>4</u>: Drive / Modem - LAN

   P: CD-ROM Drive / Combo

<u>5</u>: Operation System

   D: Microsoft® Windows® 2000

   F: Multi-Language (Microsoft® Windows® 2000)

   G: Multi-Language (Microsoft® Windows® XP Professional)

   K: Microsoft® Windows® XP Professional

   Q: Dual OS (Microsoft® Windows® 2000 Professional / Microsoft® Windows® XP Professional)

<u>6</u>: Area

   E /G /F /S /T /P: Refer to above area table

⚠ **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.

Panasonic®

Replacement Parts List Comparison Table

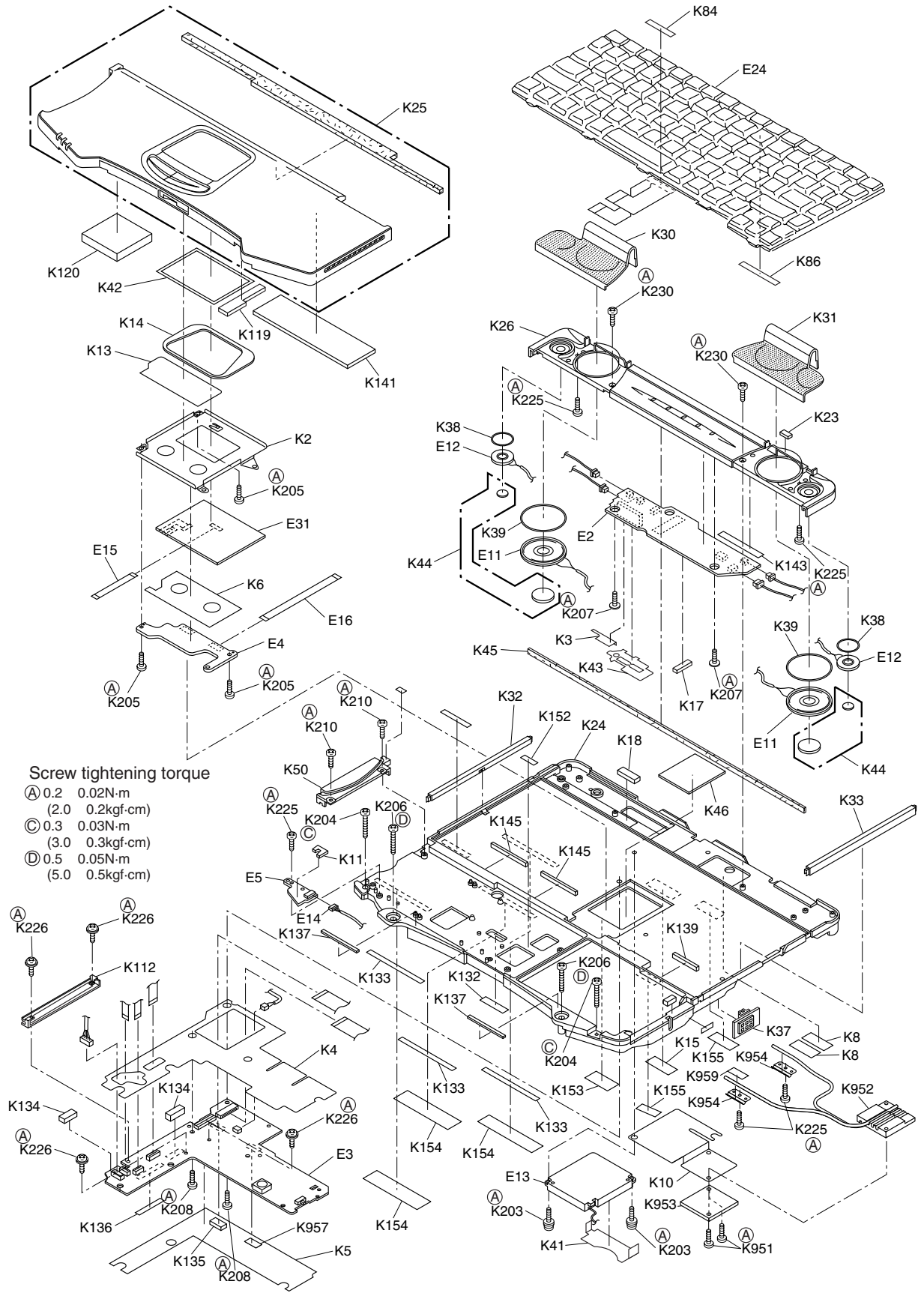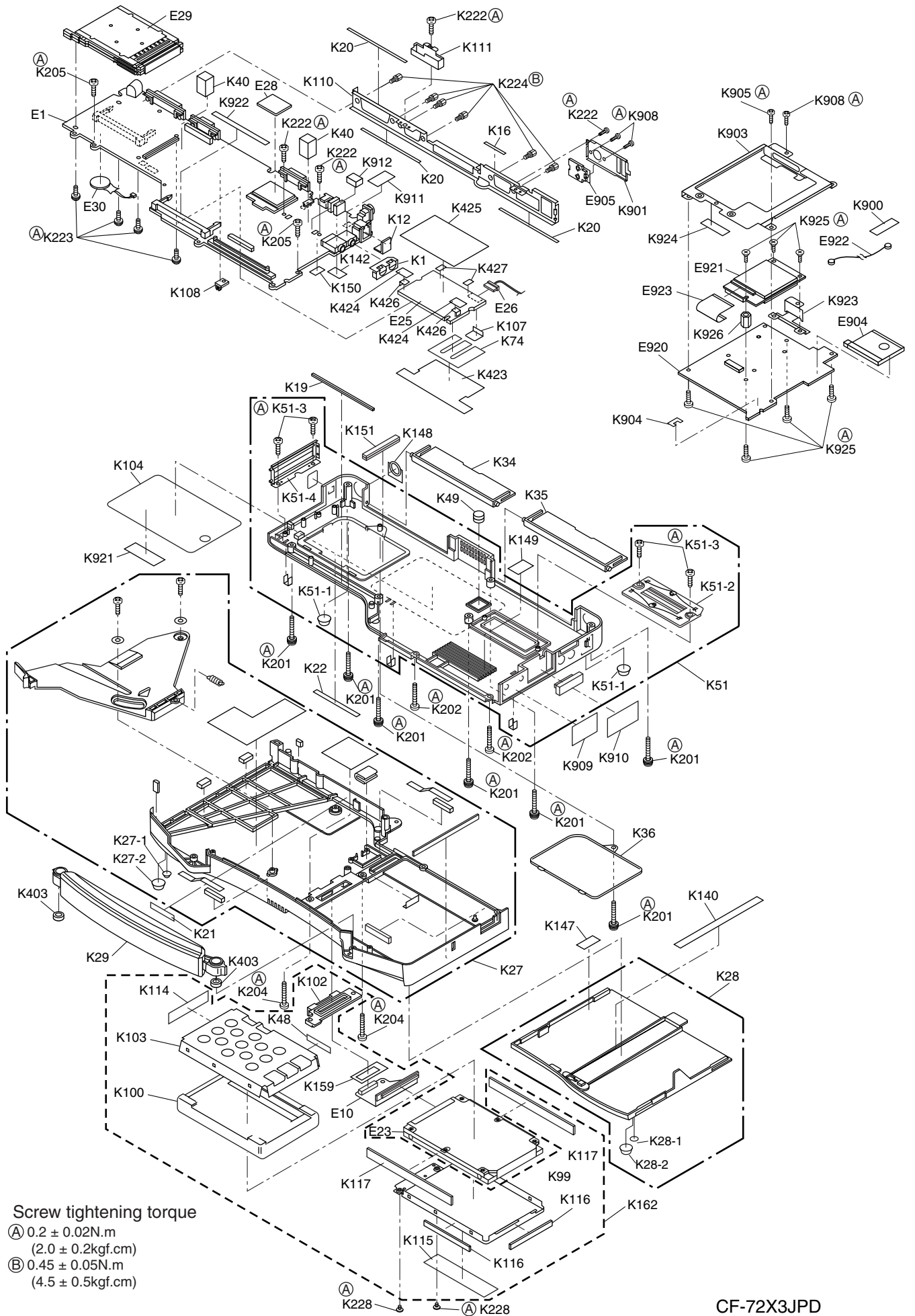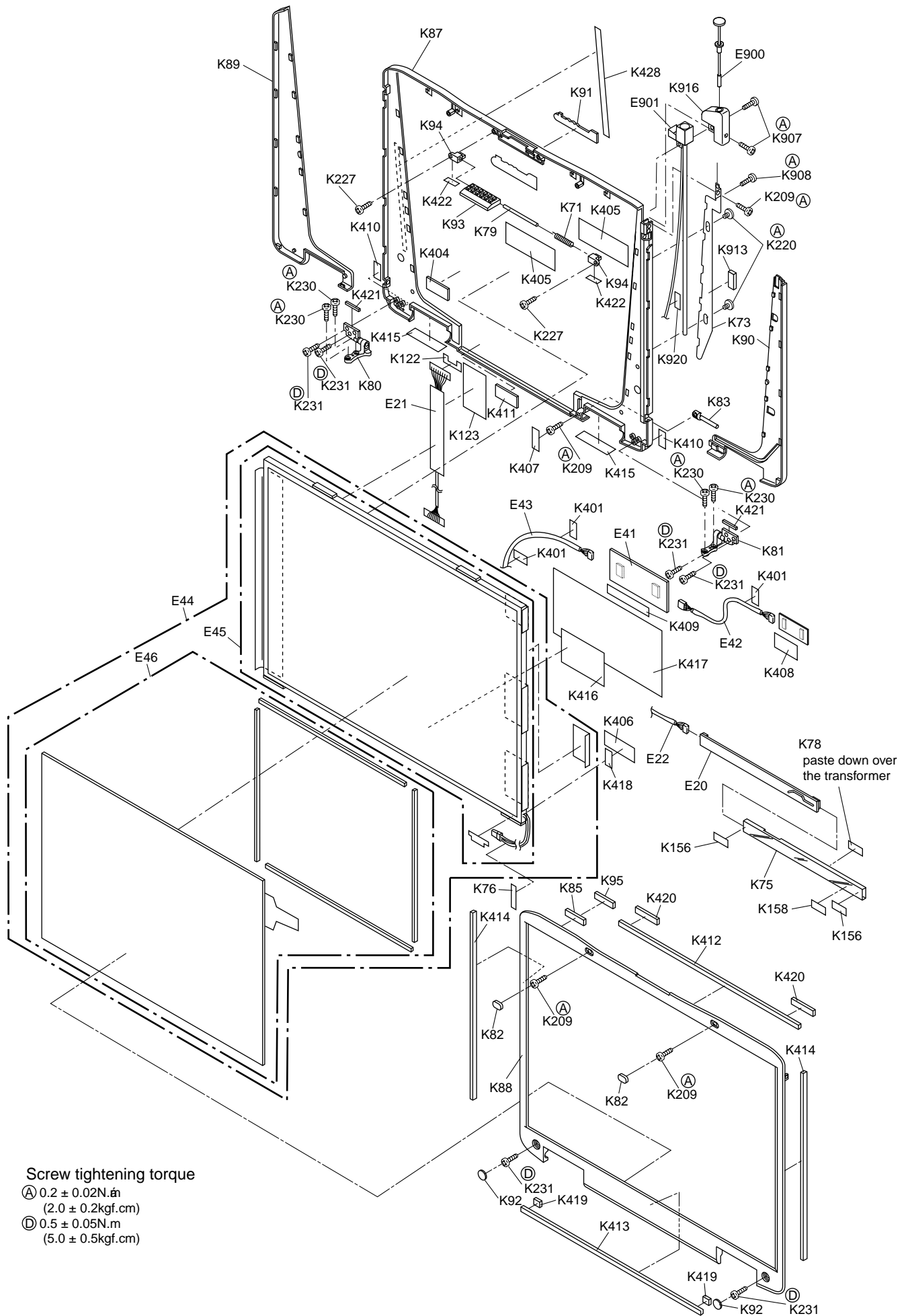| Note:	Important Safety Notice
	Components identified by ⚠ mark have special characteristics important for safety.
	When replacing any of these components, use only manufacturer's specified parts.

CF-72X3JPDxx

REF. NO. and AREA	PART NO. CF-72X3JPZxx	PART NO. CF-72X3JPDxx	DESCRIPTION	Q'T
Main Block Unit				
E900	---------	N1AA91000006	ANTENNA, ELEMENT	1
E901	---------	DL3MA0150AAA	ASS'Y, ANTENNA	1
E904	---------	K1YBZZ000015	SIM CARD HOLDER	1
E905	---------	K1SZZZAZ0004	CONNECTOR	1
E920	---------	DL3UP1175EAA	PCB, WIRELESS RTL	1
E921	---------	N5HZZ0000015	GPRS MODULE	1
E922	---------	DFJS808ZA	CABLE	1
E923	---------	DFJE40M20HB	FFC, GPRS	1
Mechanical Parts				
K51	DFKF8127VA-0	DFKF8127UA-0	ASS'Y, CASE, PCB	1
K70	DFKE0544ZA-0	---------	COVER, N, ANTENNA	0
K900	---------	DFMX0833ZA	HOLDER, INVERTER CABLE	3
K901	---------	DFMD2130WA	PLATE, CONFIG, LAN/WL	1
K903	---------	DFMD7691UA	ANGLE, GPRS	1
K904	---------	DFMZ0034ZA	LED INSULATOR	1
K905	---------	XTN2+6G	SCREW	1
K907	---------	DFHE5020XA	SCREW	2
K908	---------	DFHE5025XA	SCREW	5
K909	---------	DFGX0282ZA-0	WIRELESS INDICATOR	1
K910	---------	DFGX0292ZA	RIM IND DUMMY	1
K911	---------	DFHR8381ZA	JACK INSULATOR	1
K912	---------	DFHR8384ZA	SPACER, BUS	1
K913	---------	DFHG1457ZA	SPACER, CABLE	2
K916	---------	DFKE0545ZA-0	ANTENNA COVER C	1
K921	---------	DFQT9791ZA	CE LABEL	1
K922	---------	DFHE0527ZA	GASKET	1
K923	---------	DFMD7881ZA	ANGLE, GPRS	1
K924	---------	DFMX0960ZA	SHEET, FFC	1
K925	---------	DXQT2+D25FNM	SCREW	7
K926	---------	DFHE0621ZA	SPACER	1
K989	---------	DFHR5922ZA	SPACER	1

Exploded View

K25

K84

E24

K120

K42

K119

K14

K13

K141

K2

K205 (A)

E31

E15

K6

E16

E4

K205 (A)

K205 (A)

K205 (A)

K30

K230 (A)

K26

K31

K230 (A)

K225 (A)

K23

K38

E12

K39

E2

K44

E11

K143

K225 (A)

K207 (A)

K3

K39

K38

K45

E12

K43

E11

K17

K207 (A)

K44

K33

Screw tightening torque
(A) 0.2   0.02N·m
    (2.0   0.2kgf·cm)
(C) 0.3   0.03N·m
    (3.0   0.3kgf·cm)
(D) 0.5   0.05N·m
    (5.0   0.5kgf·cm)

K210 (A)

K210 (A)

K50

K225 (A)

K204

K206

K11

E5

E14

K137

K133

K132

K137

K32

K152

K24

K18

K145

K145

K46

K139

K206

K204

K15

K37

K8

K155

K8

K954

K959

K952

K954

K225 (A)

(A)

K226 (A)

K226 (A)

K112

K4

K134

K134 (A)

K226 (A)

K226 (A)

K226 (A)

E3

K208 (A)

K136

K957

K135

K208 (A)

K5

K153

K155

K133

K154

K154

K133

K154

E13

K10

K203 (A)

K953

K41

K203 (A)

(A)

K951 (A)

This page's exploded view is common to CF-72(VC/V3)JxZxx

Screw tightening torque
Ⓐ 0.2 ± 0.02N.m
   (2.0 ± 0.2kgf.cm)
Ⓑ 0.45 ± 0.05N.m
   (4.5 ± 0.5kgf.cm)

CF-72X3JPD

Screw tightening torque
Ⓐ 0.2 ± 0.02N·m
(2.0 ± 0.2kgf.cm)
Ⓓ 0.5 ± 0.05N·m
(5.0 ± 0.5kgf.cm)

CF-72X3JPD