

Service Manual

Simplified

Notebook Computer

CF-72

TOUGHBOOK

This is the Service Manual for
the following areas.
T ...for Italy

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-721 2 3 01 4 5

1: CPU type

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

2: LCD type

C: 13.3" TFT Color with Touchscreen

3: HDD type / RAM size

J: 30 GB / 256 MB

4: Operation System

D: Microsoft® Windows® 2000

5: Area

T: 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®

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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-72XCJ01DT

REF. NO. and AREA	PART NO.		DESCRIPTION	Q'TY
	CF-72XCJUzT	CF-72XCJ01DT		
Main Block Unit				
E 900	-----	N1AA91000006	ANTENNA, ELEMENT	0->1
E 901	-----	DL3MA0150AAA	ASS'Y, ANTENNA	0->1
E 904	-----	K1YBZZ000015	SIM CARD HOLDER	0->1
E 905	-----	K1SZZAZ0004	CONNECTOR	0->1
E 921	-----	N5HZZ0000015	GPRS MODULE	0->1
E 922	-----	DFJS808ZA	CABLE	0->1
E 923	-----	DFJE40M20HB	FFC, GPRS	0->1
E 980	-----	K1NA10Z00001	SMART CARD SOCKET	0->1
E 981	-----	DL3UP1175FAA	PCB, SMART CARD	RTL 0->1
Mechanical Parts				
K 40	DFHR5850ZB	-----	BLOCK, PCB	1->0
K 50	DFKE0570YA-1	-----	COVER, SLOT, PALM	1->0
K 50	-----	DFKE0699ZA-1	BEZEL, SMART CARD	0->1
K 51	DFKF8127VA-0	DFKF8127UA-0	ASS'Y, CASE, PCB	1
K 70	DFKE0661ZA-0	-----	COVER, N, ANTENNA	1->0
K 70	-----	DFKE0662ZA-0	COVER, N, ANTENNA	0->1
K 104	 DFGT0812XB	DFGT0811WA	RATING LABEL	1
K 120	DFHR8371YA	-----	CUSHION, SC, PALM REST	1->0
K 900	-----	DFMX0833ZA	HOLDER, INVERTER CABLE	0->3
K 901	-----	DFMD2130WA	PLATE, CONFIG, LAN/WL	0->1
K 904	-----	DFMZ0034ZA	LED INSULATOR	0->1
K 905	-----	XTN2+6G	SCREW	0->1
K 907	-----	DFHE5020XA	SCREW	0->1
K 908	-----	DFHE5025XA	SCREW	0->1
K 909	-----	DFGX0282ZA-0	WIRELESS INDICATOR	0->1
K 910	-----	DFGX0292ZA	RIM IND DUMMY	0->1
K 913	-----	DFHG1457ZA	SPACER, CABLE	0->2
K 921	-----	DFQT9791ZA	CE LABEL	0->1
K 922	-----	DFHE0527ZA	GASKET	0->1
K 924	-----	DFMX0960ZA	SHEET, FFC	0->1
K 925	-----	DXQT2+D25FNM	SCREW	0->7
K 926	-----	DFHE0621ZA	SPACER	0->1
K 980	-----	DFBC0295ZA-0	EJECT KNOB	0->1
K 981	-----	DFMD7691UA	ANGLE	0->1
K 982	-----	DFMD7881ZA	ANGLE, GPRS	0->1
K 983	-----	XTN2+6G	SCREW	0->1
K 984	-----	DFHE5025XA	SCREW	0->4
K 985	-----	DFHE6015ZA	SPACER	0->2
K 987	-----	DFHR8381ZA	INSULATOR, JACK	0->1
K 988	-----	DFHR8384ZA	SPACER, BUS	0->1
K 989	-----	DFHR5922ZA	SPACER	0->1

CF-72XCJ01DT

CD-R/RW Drive Pack : CF-VCW722W

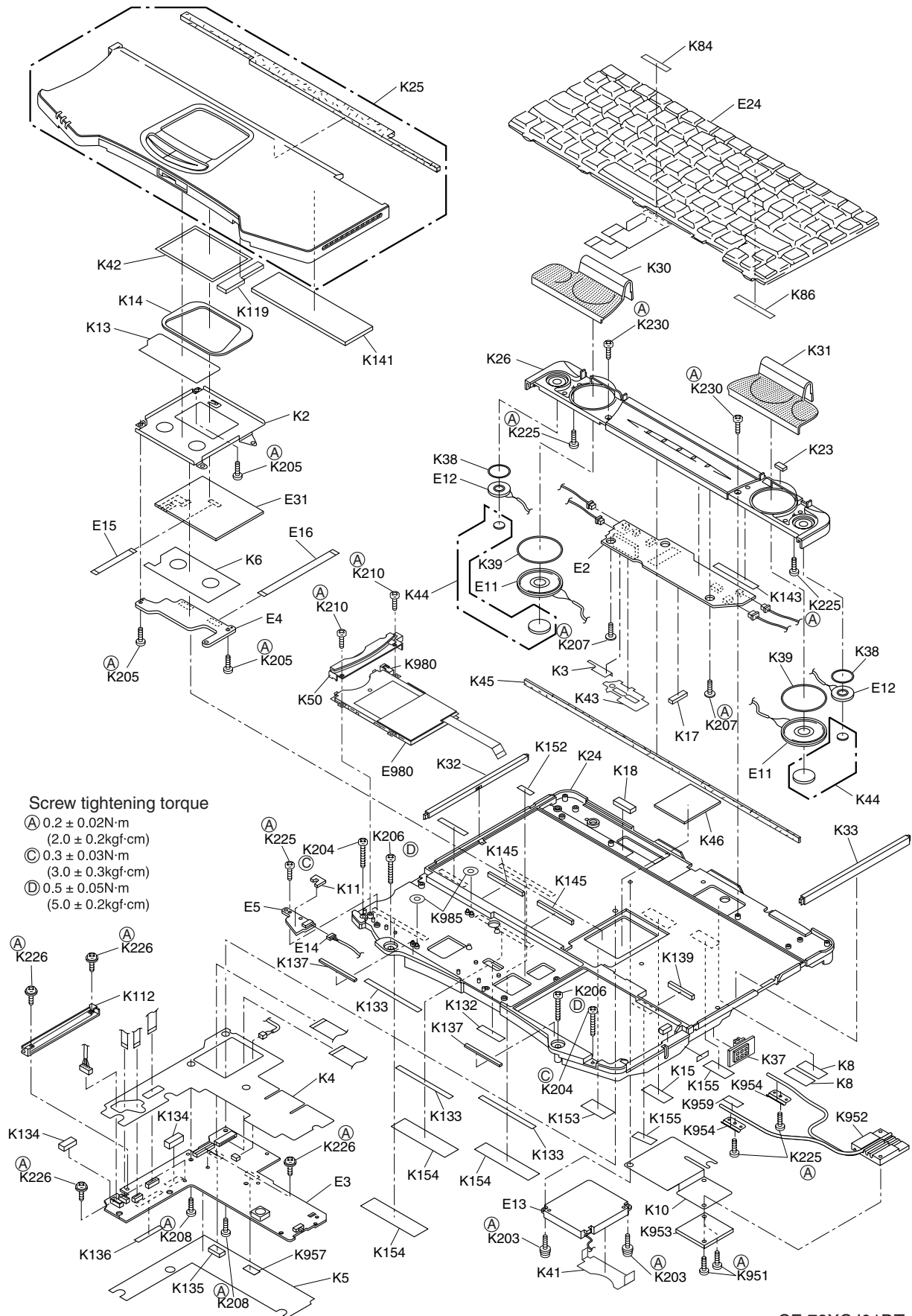
REF. NO and AREA	PART NO.		DESCRIPTION	Q'TY
	CF-72XCJUzT	CF-72XCJ01DT		
Main Block Unit				
E 1	-----	DL3U11130BAA	PCB, CONNECTOR (A) RTL	0->1
E 2	-----	DFWV48C0591	PCB, CONNECTOR (B) RTL	0->1
E 3	-----	DFJE50N035BH	FPC	0->1
E 4	-----	DFWV78A0162	DRIVE, CD-R/RW	0->1
E 4-1	-----	UJSJDYP0110	BEZEL, CD-R/RW	0->1
E 4-2	-----	JDLB0007ZA	SCREW, BEZEL	0->3
Mechanical Parts				
K 1	-----	DFKM0253WA-0	CABINET, TOP	0->1
K 2	-----	DFGE0027WA	CHASSIS	0->1
K 3	-----	DFMD3064XA	CD ANGLE	0->1
K 4	-----	DFMX0561YA	SHEET, INSULATION, CONNECTOR PCB	0->1
K 5	-----	DFHE7007ZA	SD/CD KEY	0->2
K 6 	-----	DFGT0892ZA	RATING LABEL	0->1
K 7	-----	DFUS0244XA	EARTH SPRING (A)	0->1
K 9	-----	DFMX0501YA	SHEET, INSULATION	0->1
K 10	-----	DFHR7614ZA	SHEET, DVD INSULATION	0->1
K 20	-----	DFHG1161ZA	CONNECTOR HOLD	0->1
K 101	-----	DFHM0177YA	SCREW	0->2
K 102	-----	DXQT2+D25FNM	SCREW	0->2
K 103	-----	DFHE5086ZA	SCREW	0->2
Accessories				
A1	-----	DFQX5306YA	MANUAL	0->1
Packing Material				
P1	-----	DFPN0768ZA	CASE, CUSHION	0->1
P2	-----	DFPN0785ZA	CASE, CUSHION	0->1
P3	-----	DFPK1114ZA	CASE, PACKING	0->1
Connector (A) PCB				
CN 101	-----	DFJS250YA160	CONNECTOR, EXPANSION BUS	0->1
CN 102	-----	DFJS120ZA050	CONNECTOR, FOR CONNECTOR (B) PCB	0->1
Connector (B) PCB				
CN 201	-----	DFJS315XA050	CONNECTOR, FOR CD-R/RW DRIVE	0->1
CN 202	-----	DFJS120ZA050	CONNECTOR, FOR CONNECTOR (A) PCB	0->1

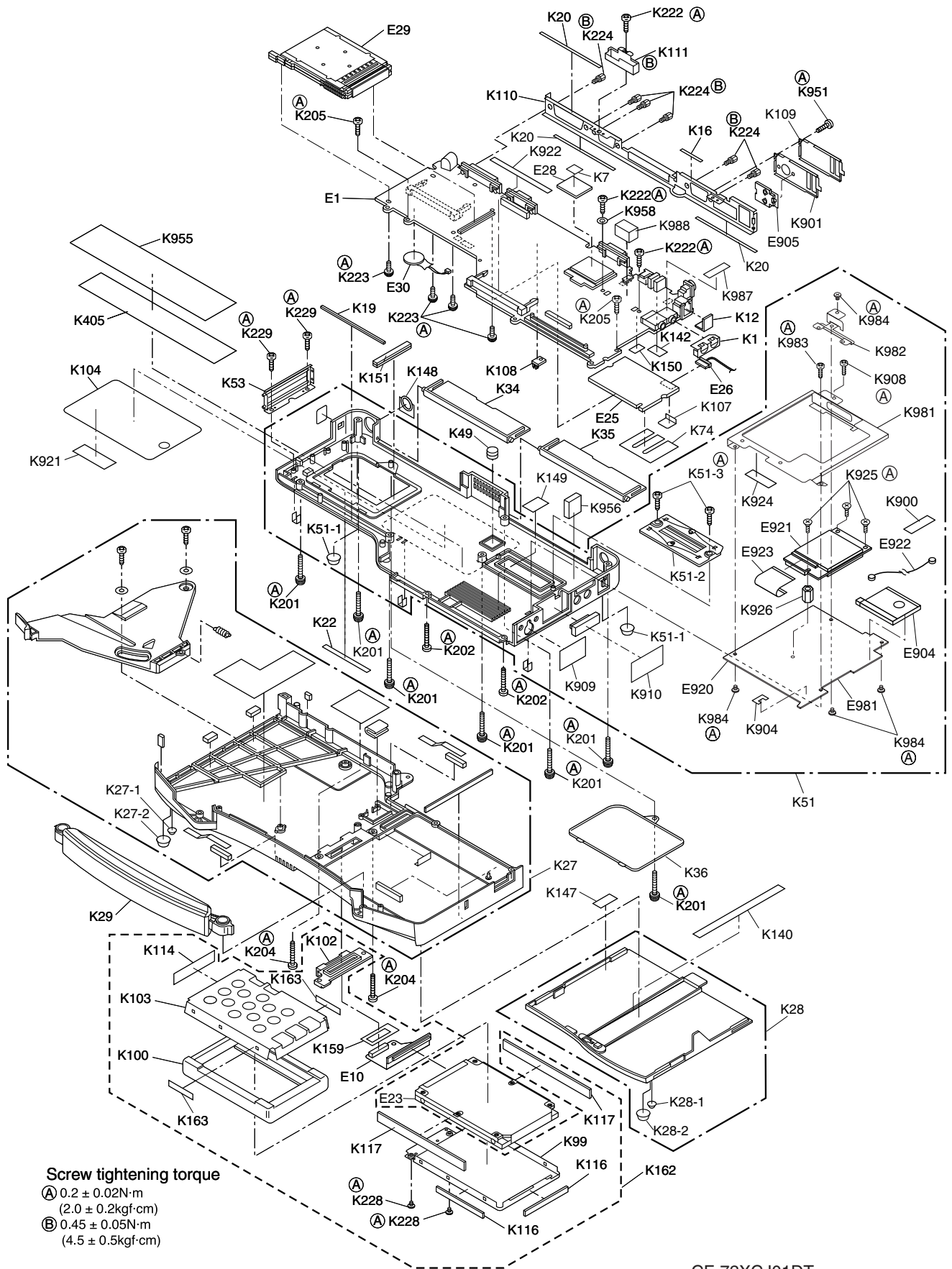
CF-72XCJ01DT

DVD-ROM Drive: CF-VDD725Z

REF. NO and AREA	PART NO.		DESCRIPTION	Q'TY
	CF-72XCJUzT	CF-72XCJ01DT		
Main Block Unit				
E 47-1 (Z) 	DFWV78A0176	-----	DRIVE, DVD, Region code 2	1->0
E 47-2	DFJE50N035BH	-----	FPC	1->0
E 47-3	DL3U11130BAA	-----	PCB, CONNECTOR (A) RTL	1->0
E 47-4	DL3U21130BAA	-----	PCB, CONNECTOR (B) RTL	1->0
E 47-5	DFMD3064YA	-----	PLATE, DVD	1->0
E 47-6	DFMX0501YA	-----	INSULATION, PCB, DVD	1->0
E 47-7	DFMX0561YA	-----	INSULATION SHEET, MP-CN	1->0
E 47-8	DFHG1161ZA	-----	CONTROL, CONNECTOR	1->0
E 47-9	DFHE7007ZA	-----	DVD KEY	2->0
E 47-10	DFKM0253XB-0	-----	CAB, DVD TOP	1->0
E 47-11	DFGE0027YA	-----	CHASSIS, DVD	1->0
E 47-12	DFHR7614ZA	-----	SPACER, DVD	1->0
E 47-13	LMYP0445	-----	BEZEL, DVD	1->0
E 47-14 	DFGT0903ZA	-----	RATING LABEL	1->0
E 47-15	JDLB0007ZA	-----	SCREW	2->0
E 47-16	DFHM0177YA	-----	SCREW	2->0
E 47-17	DXQT2+D25FNM	-----	SCREW	2->0
E 47-18	DFHE5086ZA	-----	SCREW	2->0
Connector (A) PCB				
CN101	DFJS250YA160	-----	CONNECTOR	1->0
CN102	DFJS120ZA050	-----	CONNECTOR	1->0
Connector (B) PCB				
CN201	DFJS315XA050	-----	CONNECTOR	1->0
CN202	DFJS120ZA050	-----	CONNECTOR	1->0

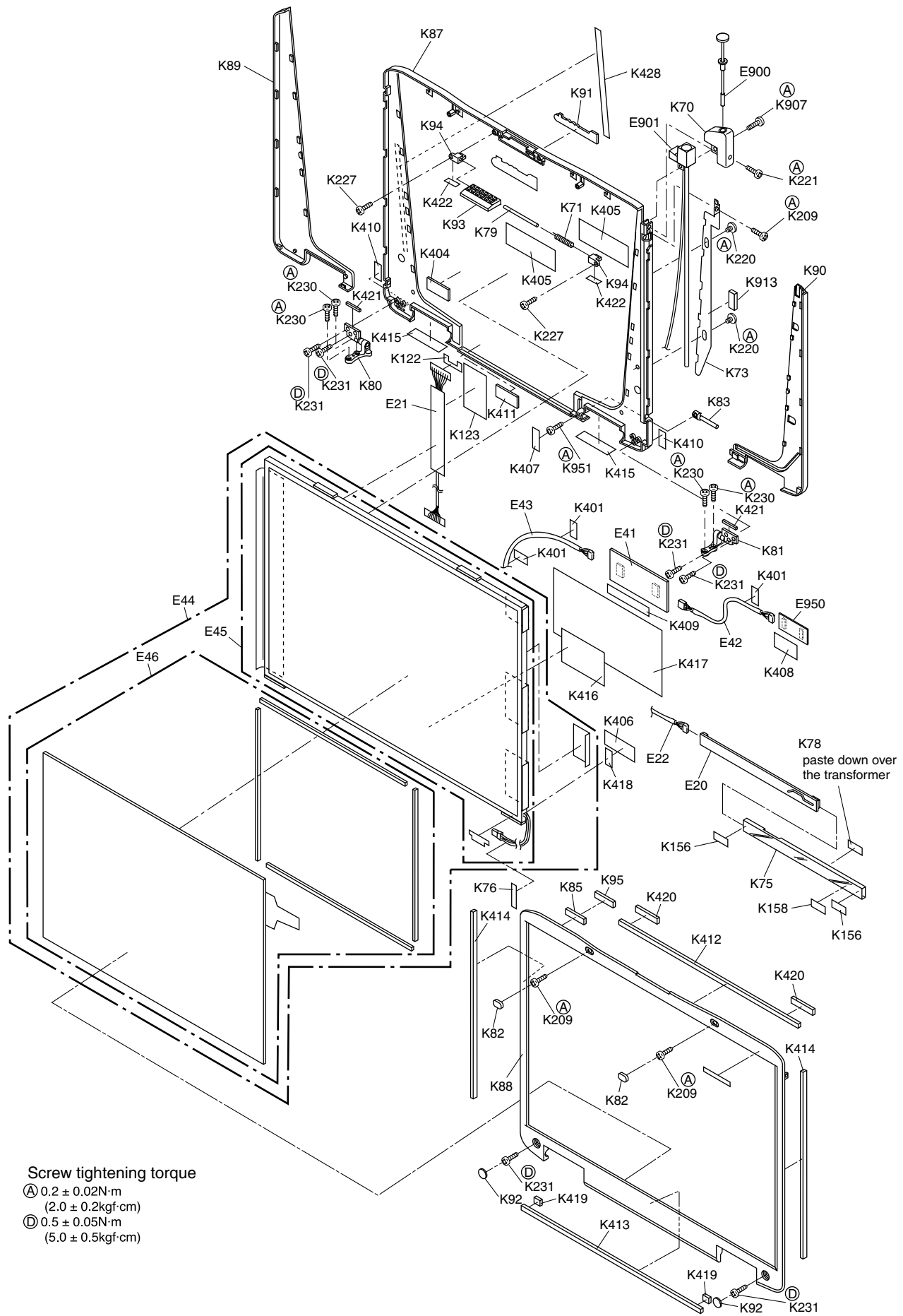
Exploded View





Screw tightening torque

- Ⓐ $0.2 \pm 0.02\text{N}\cdot\text{m}$
($2.0 \pm 0.2\text{kgf}\cdot\text{cm}$)
- Ⓑ $0.45 \pm 0.05\text{N}\cdot\text{m}$
($4.5 \pm 0.5\text{kgf}\cdot\text{cm}$)



Screw tightening torque

- Ⓐ $0.2 \pm 0.02\text{N}\cdot\text{m}$
($2.0 \pm 0.2\text{kgf}\cdot\text{cm}$)
- Ⓓ $0.5 \pm 0.05\text{N}\cdot\text{m}$
($5.0 \pm 0.5\text{kgf}\cdot\text{cm}$)