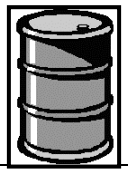
Product name:	**BV Pulsera**
Identification code	**718 095**
Total weight (in Kg)	**510 kg** (approximately; dependent on specific configuration)

Producer/ Manufacturer	Name company:	Philips Medical Systems
	Address:	Veenpluis 6
	Zip code:	5684 PC Best
	Country:	Netherlands
	Electronic info:	http://www.healthcare.philips.com/us/about/sustainability/recycling/

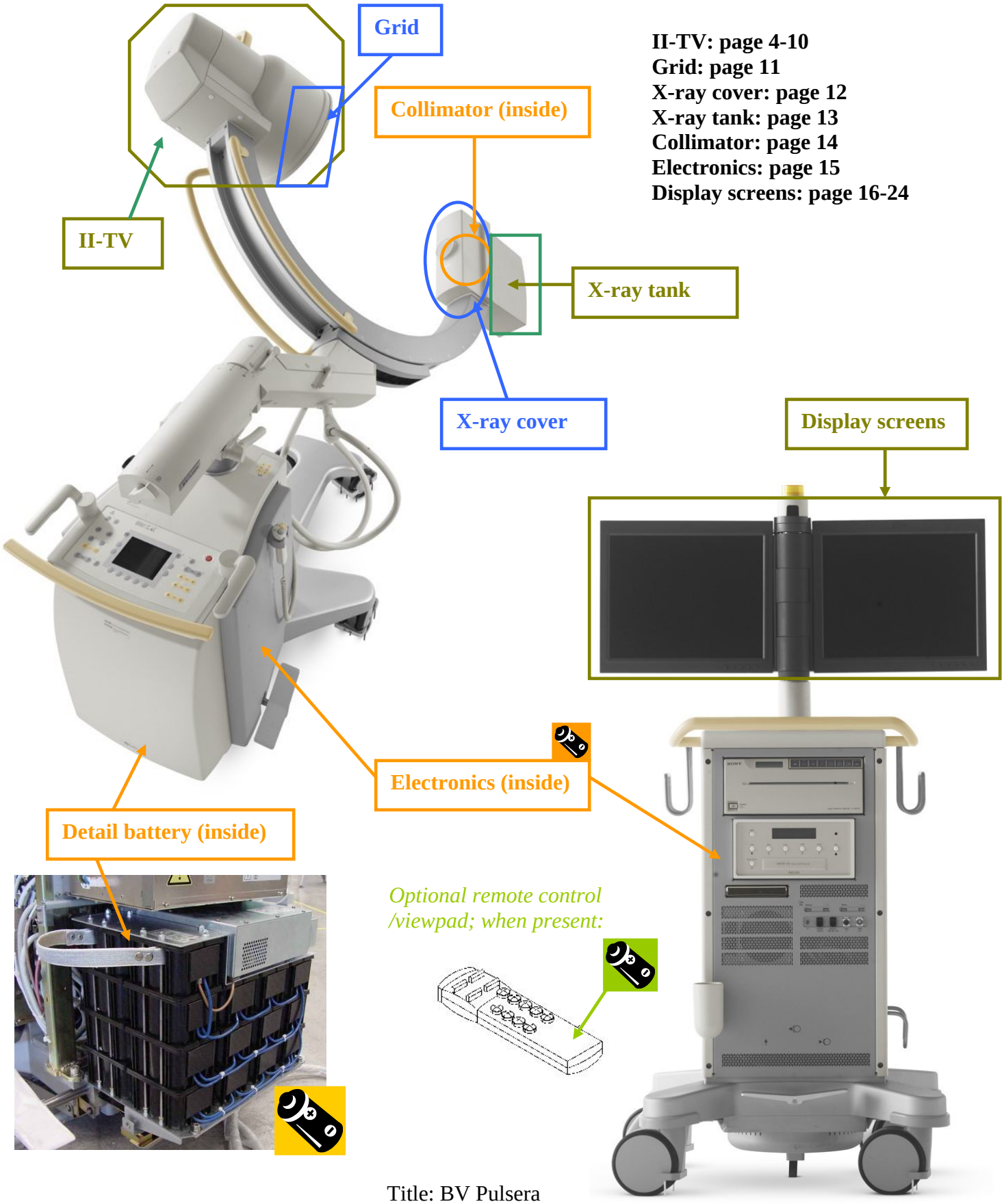
Recycle Info	Items:	Location
Special attention 	• Be aware of possibly contaminated system parts and materials! (biological hazard) For dismantling activities Treatment Facilities must consider the national requirements. For personnel that can come into contact with contaminated material, preventive measures pursuant to national requirements must be taken into account	System parts that were in the patient environment, and that were not disinfected
	• Removal of units / weights can cause the system to tilt!	
	• Removal of units / weights can cause unexpected movements of guidances!	
	• Release of brakes can cause unexpected movements of guidances! Brakes cannot prevent unexpected movements due to the removal of units /weights!	
	• High-voltage parts (e.g. capacitors) are marked with 	
	• Before dismantling the vacuum II-Insert, drill a small hole to let air in the insert	II-TV (page 4-10)
	• Vacuum glass tube of X-ray tank can implode!	X-ray tank (page 13)

Fluids / Gases	Items:	Location
	• Oil	X-ray tank (page 13)

Batteries	Type:	Location
	Battery, 4x alkaline 1,5V [44 grams] (when option “remote control/viewpad” is present)	 (page 3)
	CR2032 3.0V Lithium coin cell of 3 gram CR2032 3.0V Lithium coin cell of 3.2 gram (when option “Dell PC” is present)	Electronics (page 15)
To be Removed	Pb - PbO - S.A.E. battery of 34,7 kg; containing lead (Pb), lead dioxide (PbO) and Sulfuric Acid Electrolyte (S.A.E.)	 (page 3)

	Substances:	Location
Hazardous  **To be Removed**	Lead (Pb) for X-ray shielding	II-TV (page 4-10) Grid (page 11) X-ray cover (page 12) X-ray tank (page 13) Collimator (page 14)
	Lead (Pb) for soldering	Electronics (page 15) Display screens (page 16-24)
	Cadmium (Cd) + Beryllium Oxide (BeO) inside the II-Insert on the glass output window	II-TV (page 4-10)
	Mercury (Hg) in switch on printed circuit board for systems delivered before September 2006	II-TV (page 4-10)
	Mercury (Hg) in LCD screens	LCD screens (page 16-24)

Note: to facilitate recycling, all plastic parts weighing > 50 grams are marked according to ISO11469 & ISO1043.

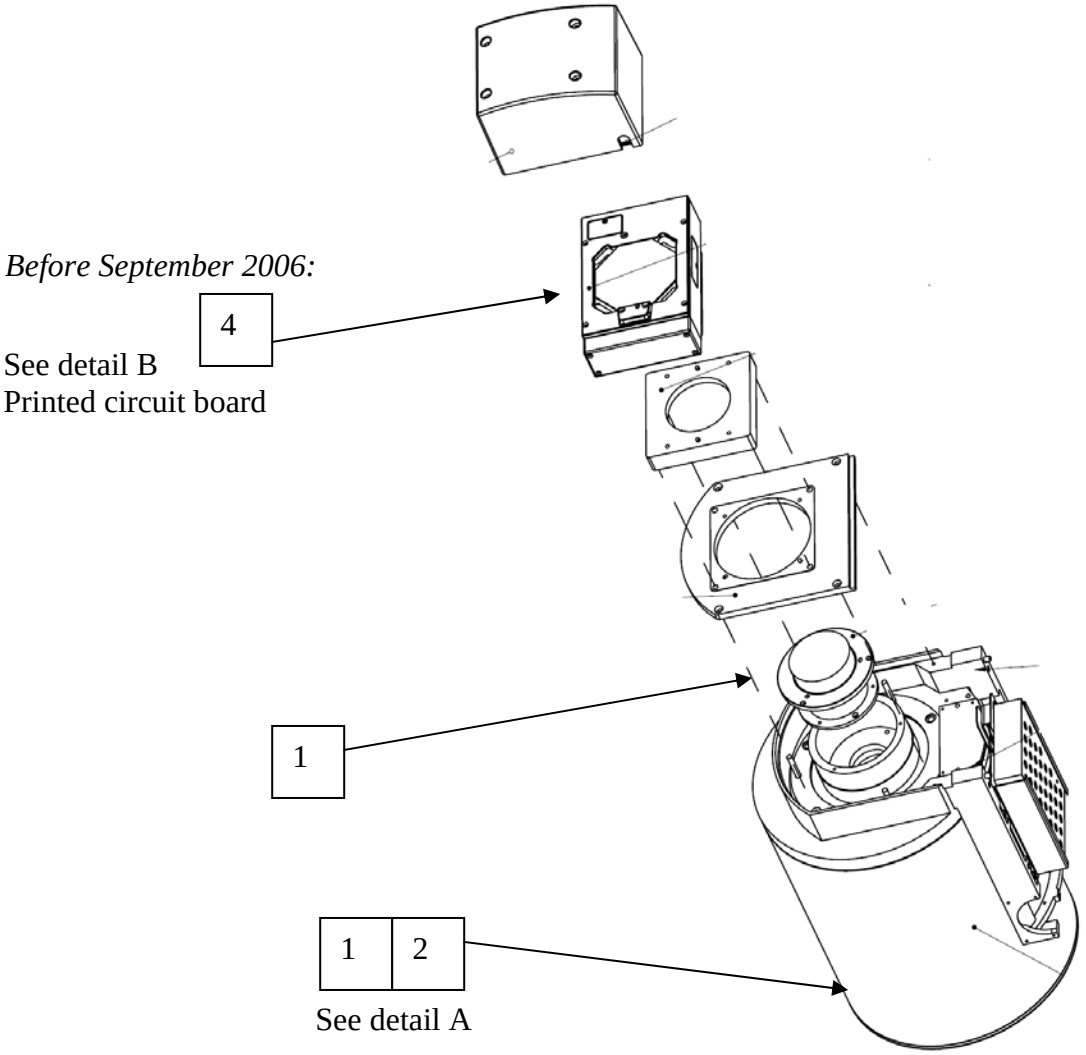


II-TV: page 4-10
Grid: page 11
X-ray cover: page 12
X-ray tank: page 13
Collimator: page 14
Electronics: page 15
Display screens: page 16-24

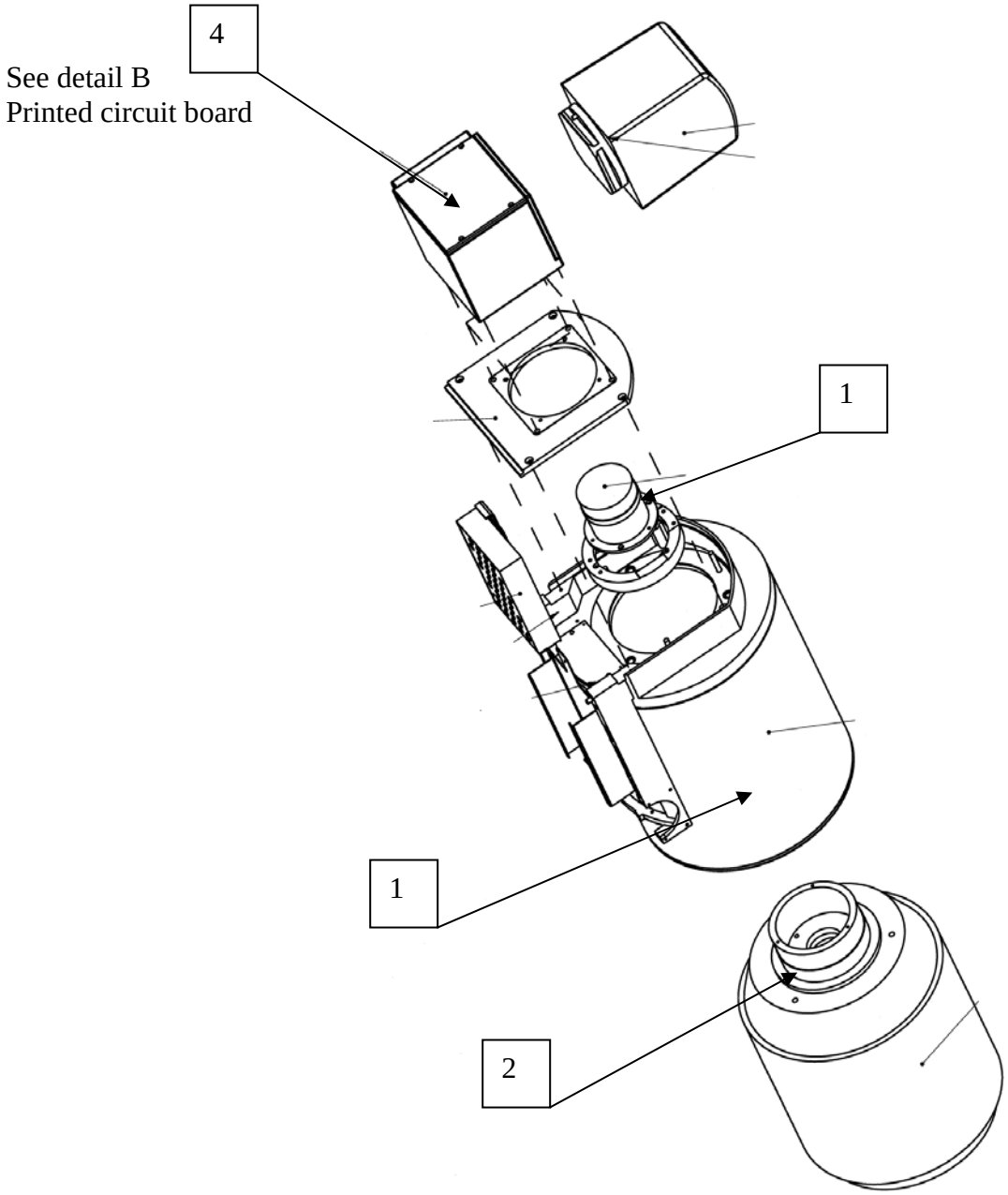
9” II-TV:

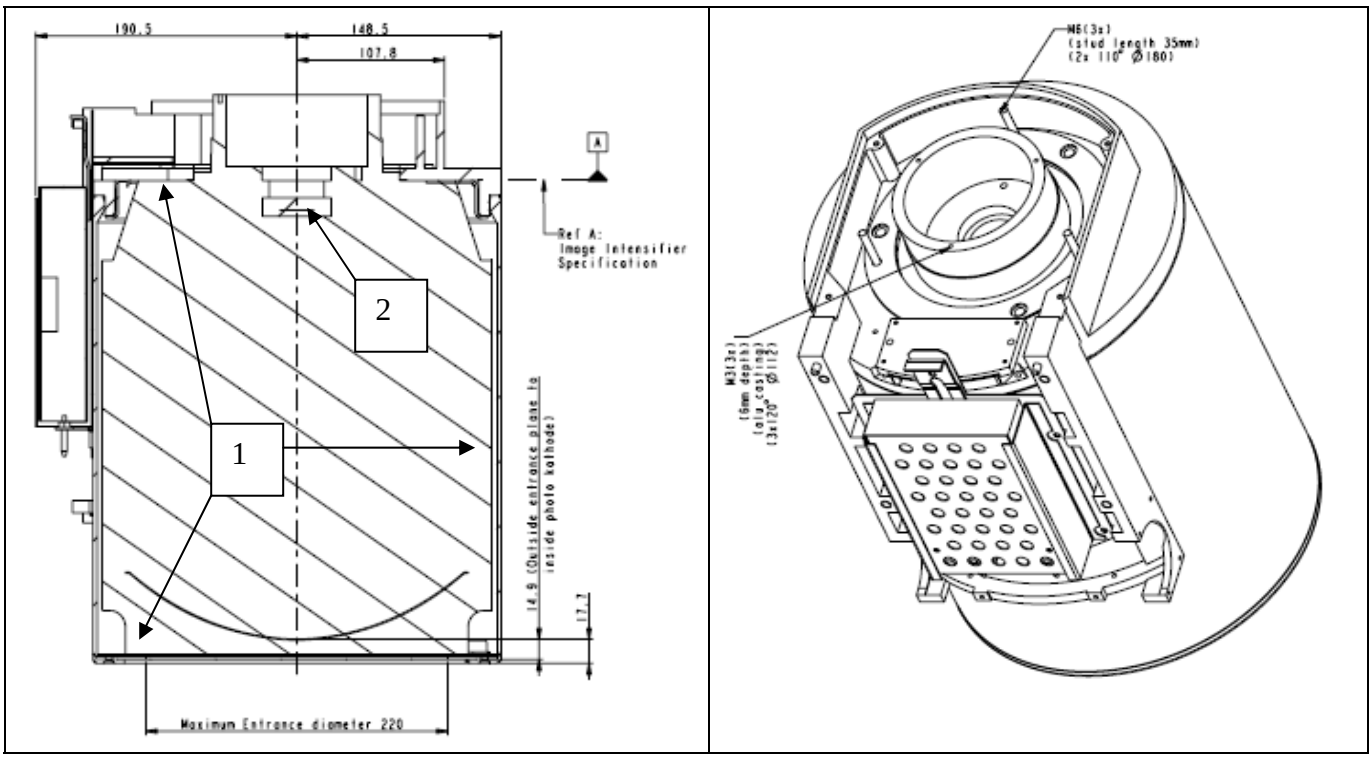
Recycle Info	Items:	Location
Special attention 	Before dismantling the vacuum II-Insert, drill a small hole to let air in the insert	

Hazardous  To be Removed	Substances:	Location
	Lead (Pb)	1, page 4-5
	Cadmium (Cd) + Beryllium Oxide (BeO) inside the II-Insert on the glass output window	2, page 4-5
	Mercury (Hg) in switch on printed circuit board for systems delivered before September 2006	4, page 4-5 + 7

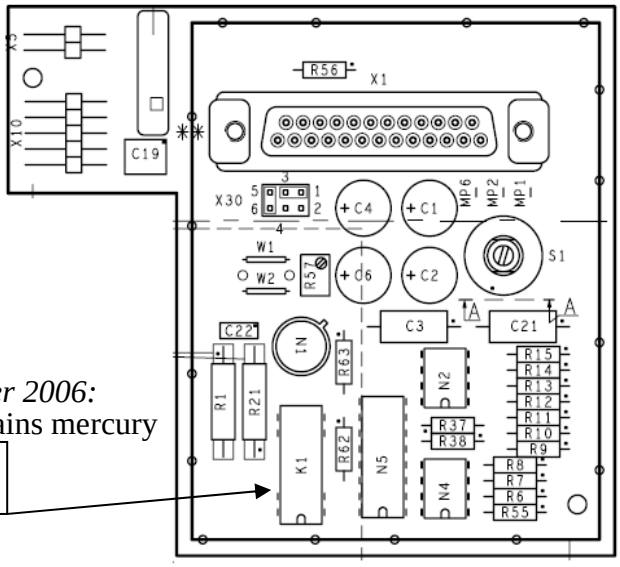


Before September 2006:




190.5
148.5
107.8
A
Ref A:
Image Intensifier
Specification
2
1
14.9 (Outside entrance plane to inside photo kathode)
17.7
Maximum Entrance diameter 220
M6(3x)
(stud length 35mm)
(2x 110° Ø180)
M3(3x)
(6mm depth)
(alu casting)
(3x120° Ø112)

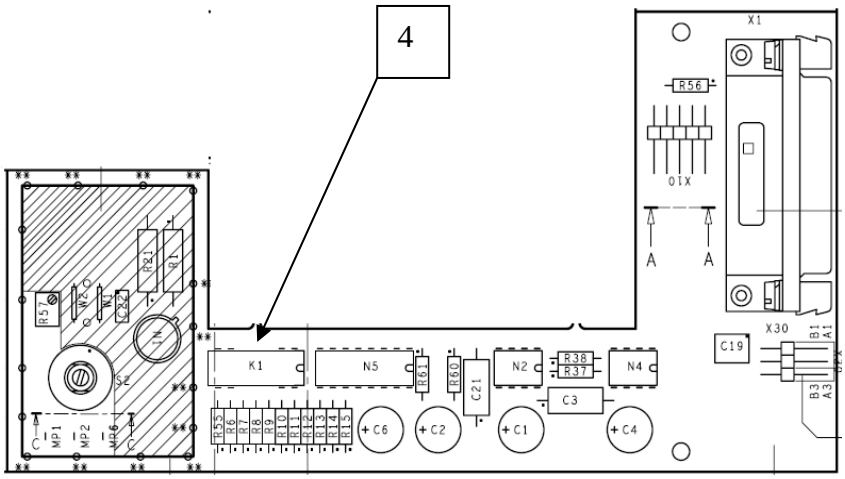
Detail A



Before September 2006:
component contains mercury

Detail B printed circuit board 4522 167 02681 up and including 4522 167 02687

Before September 2006:

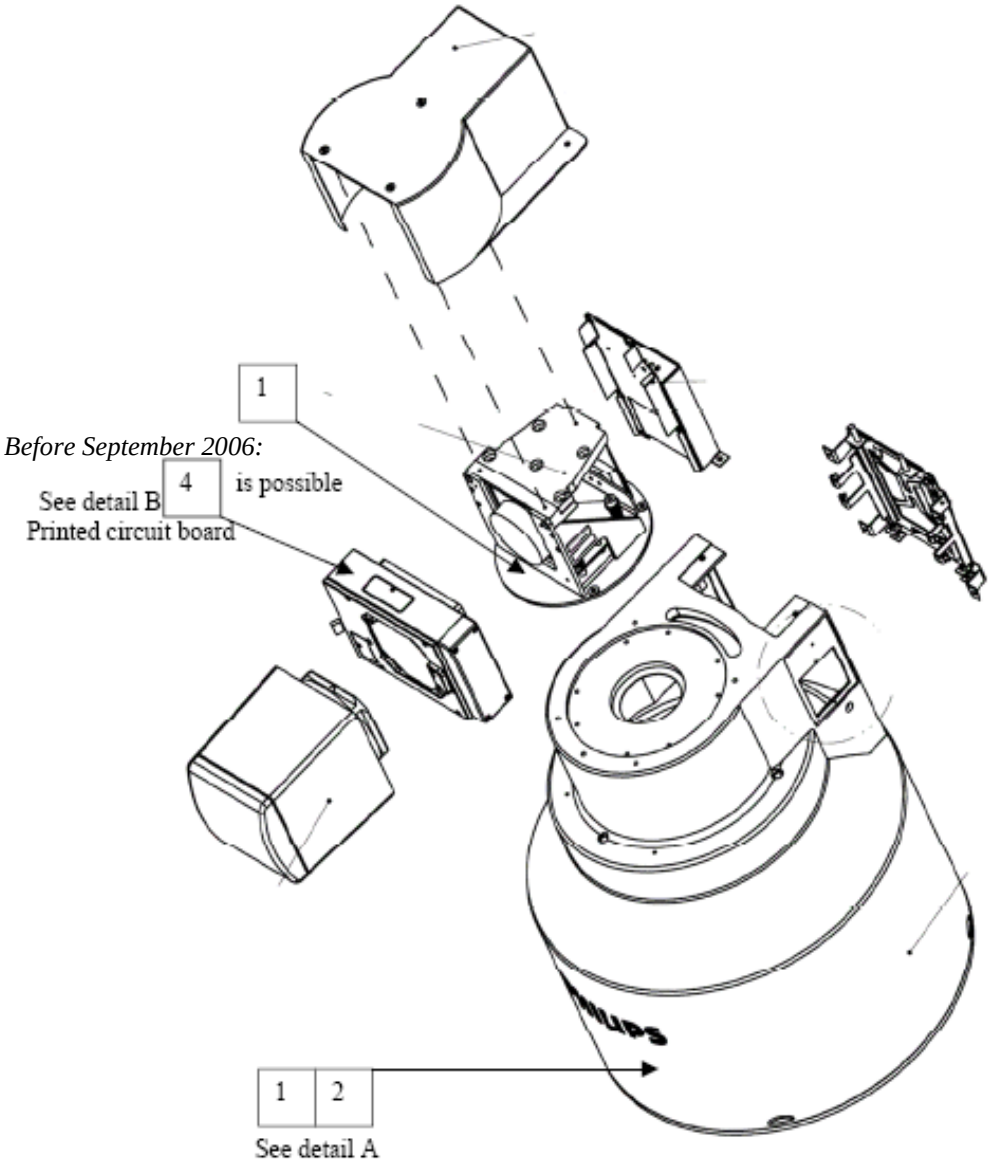


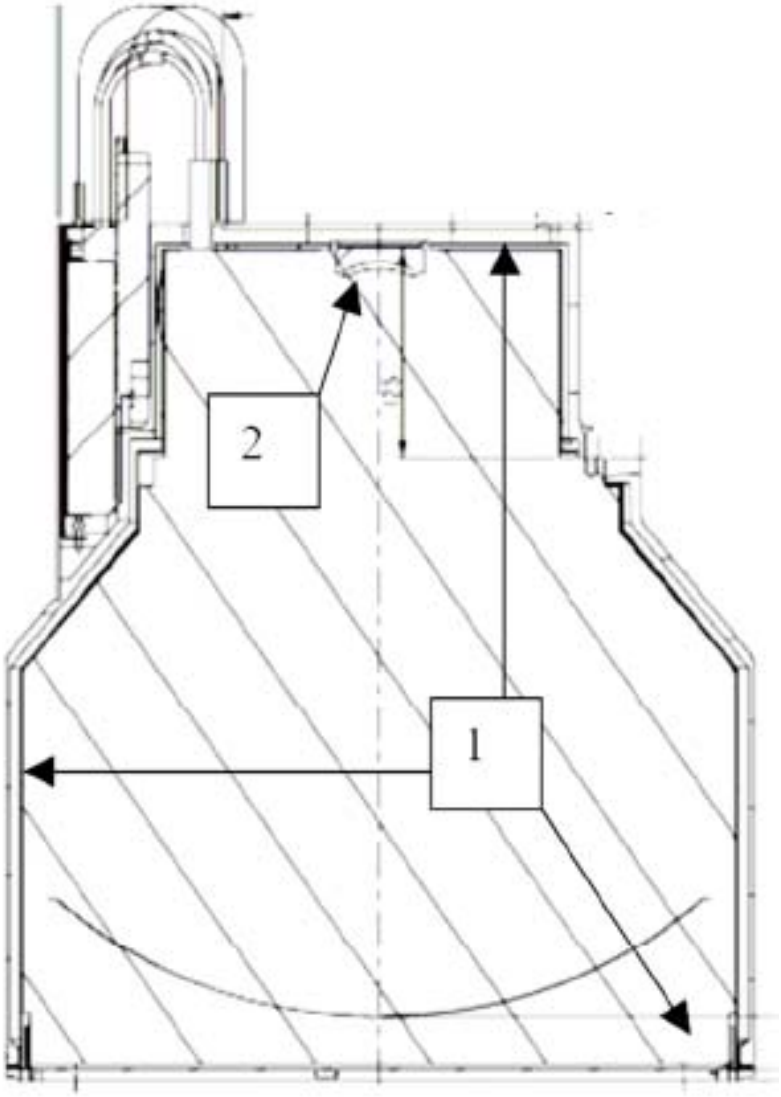
Detail B printed circuit board 4522 167 02431 up and including 4522 167 02439

12” II-TV:

Recycle Info	Items:	Location
Special attention 	Before dismantling the vacuum II-Insert, drill a small hole to let air in the insert	

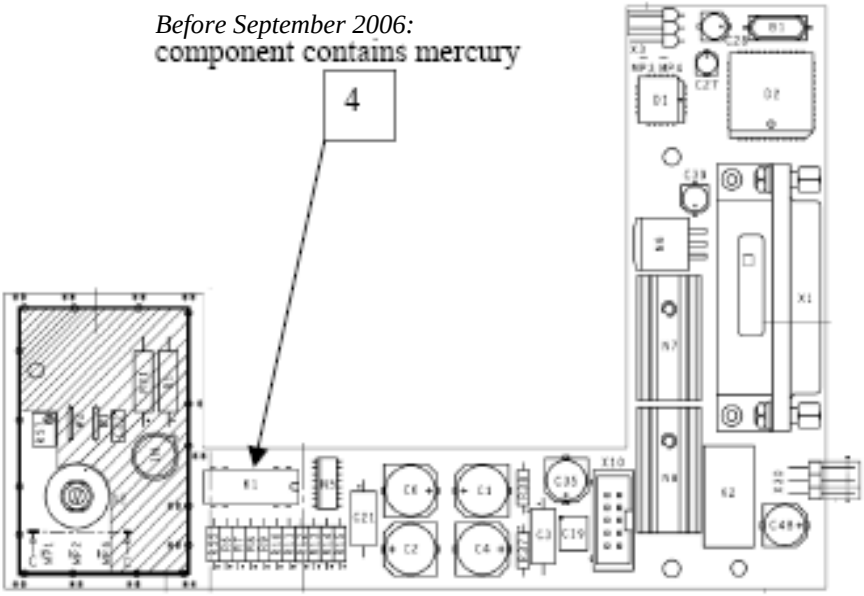
Hazardous  To be Removed	Substances:	Location
	Lead (Pb)	1, page 8-9
	Cadmium (Cd) + Beryllium Oxide (BeO) inside the II-Insert on the glass output window	2, page 8-9
	Mercury (Hg) in switch on printed circuit board for systems delivered before September 2006	4, page 8 + 10





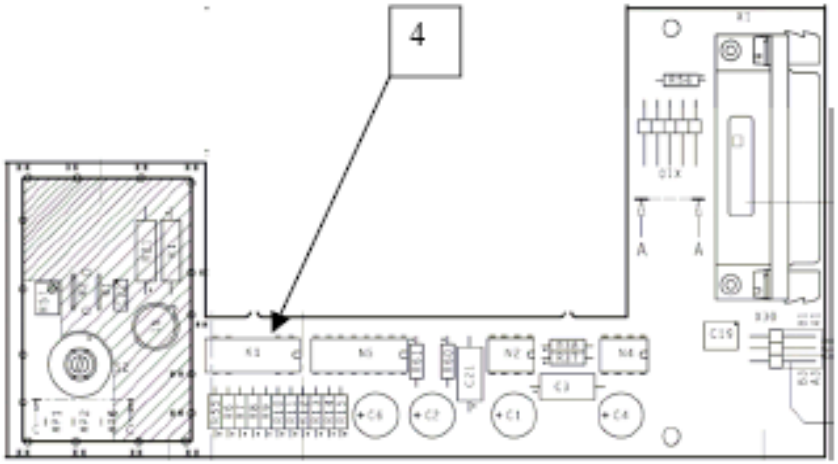
Detail A

Before September 2006:
component contains mercury



Detail B printed circuit board 4522 167 03471 up and including 4522 167 03475

Before September 2006:



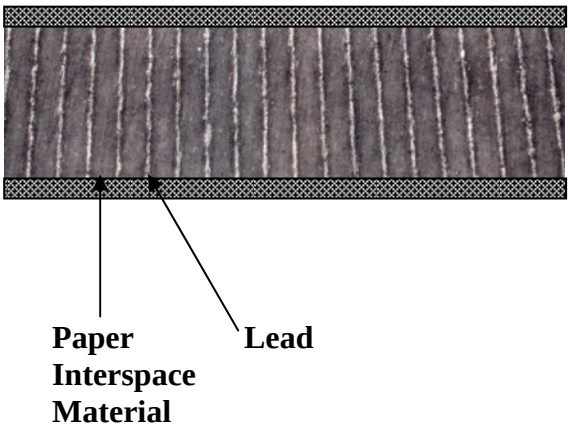
Detail B printed circuit board 4522 167 02431 up and including 4522 167 02439

Grid:

Hazardous To be Removed	Substances:	Location
	Lead (Pb 99,5%)	Enclosed between cover plates

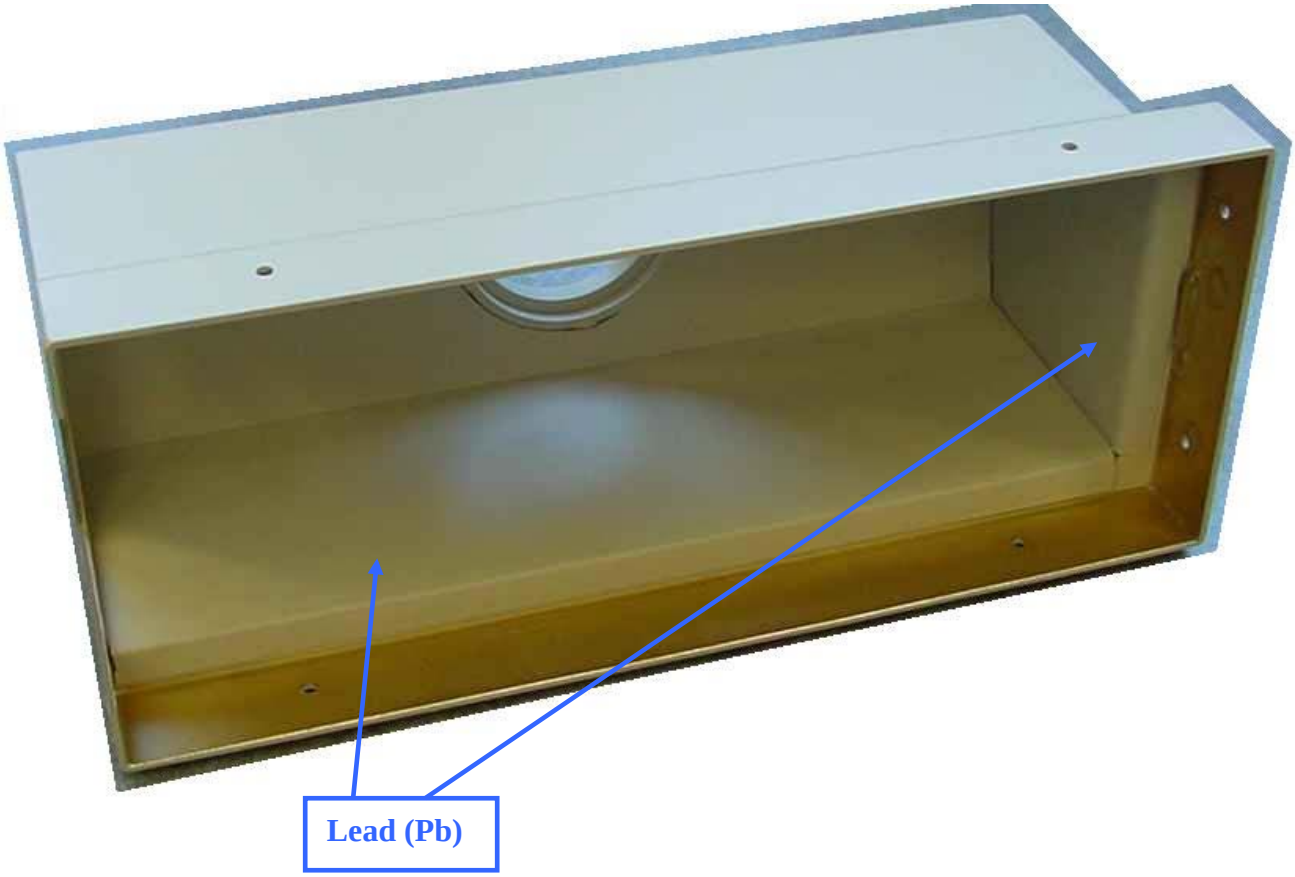
Example larger and smaller grid (only 1 present in system)

Cross-section of grid:

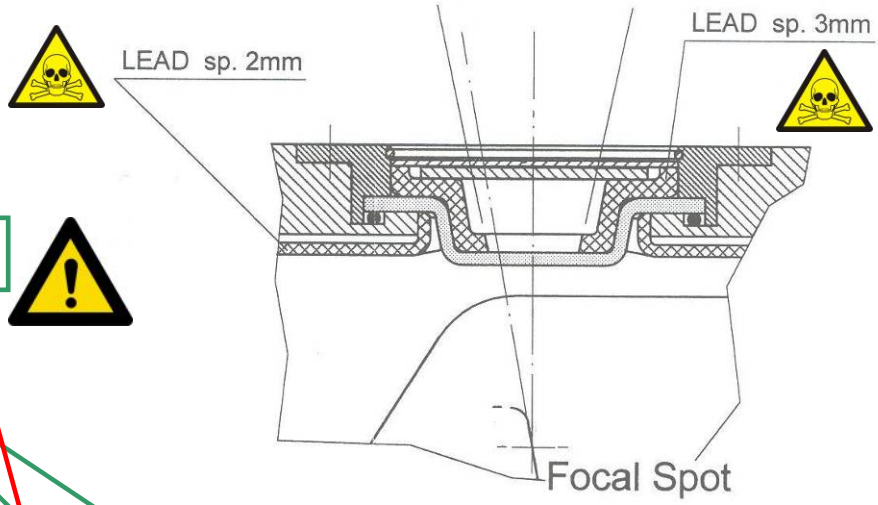


X-ray cover:

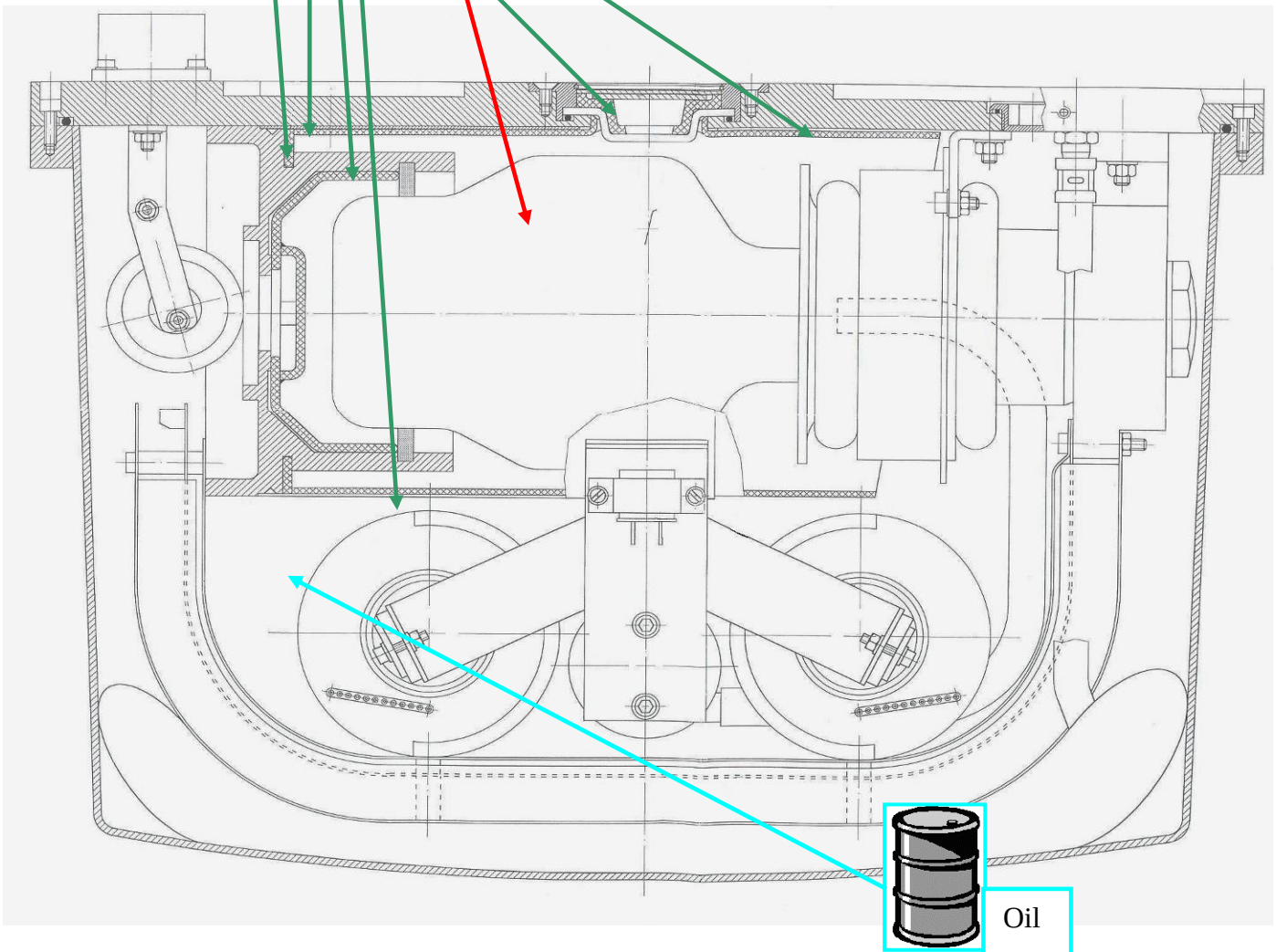
Hazardous To be Removed	Substances:	Location
	Lead (Pb 99,5%)	Glued at inside; see photo below



X-ray tank:



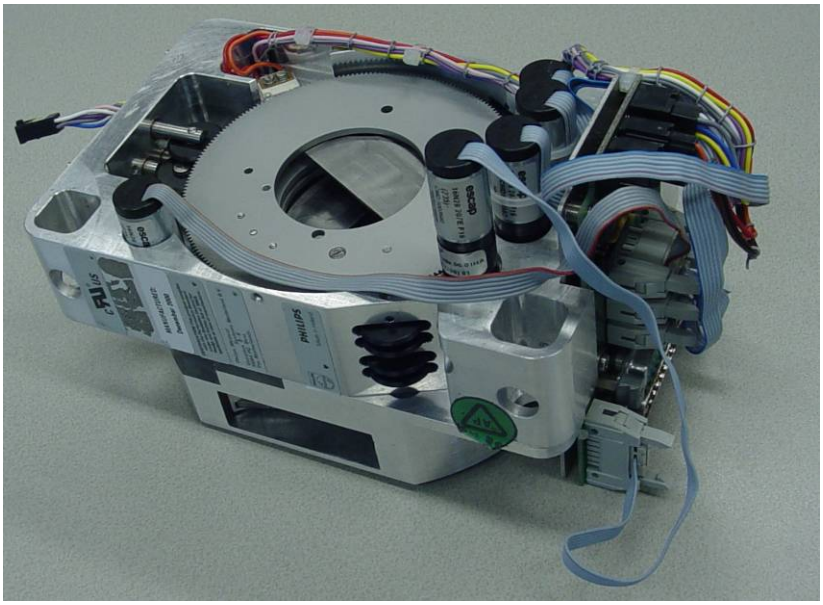
Detail of X-ray tank

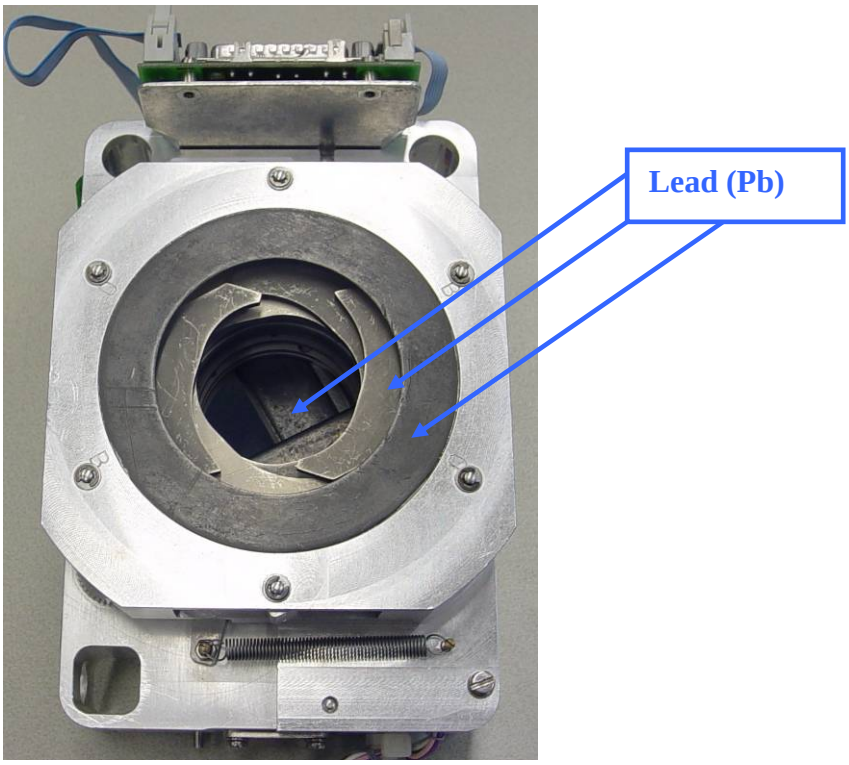


X-section of X-ray tank

Collimator:

Hazardous  To be Removed	Substances:	Location
	Lead (Pb 99,5%); 0,42 kg	Ring of lead, lead on shutters and wedges; See photo below.

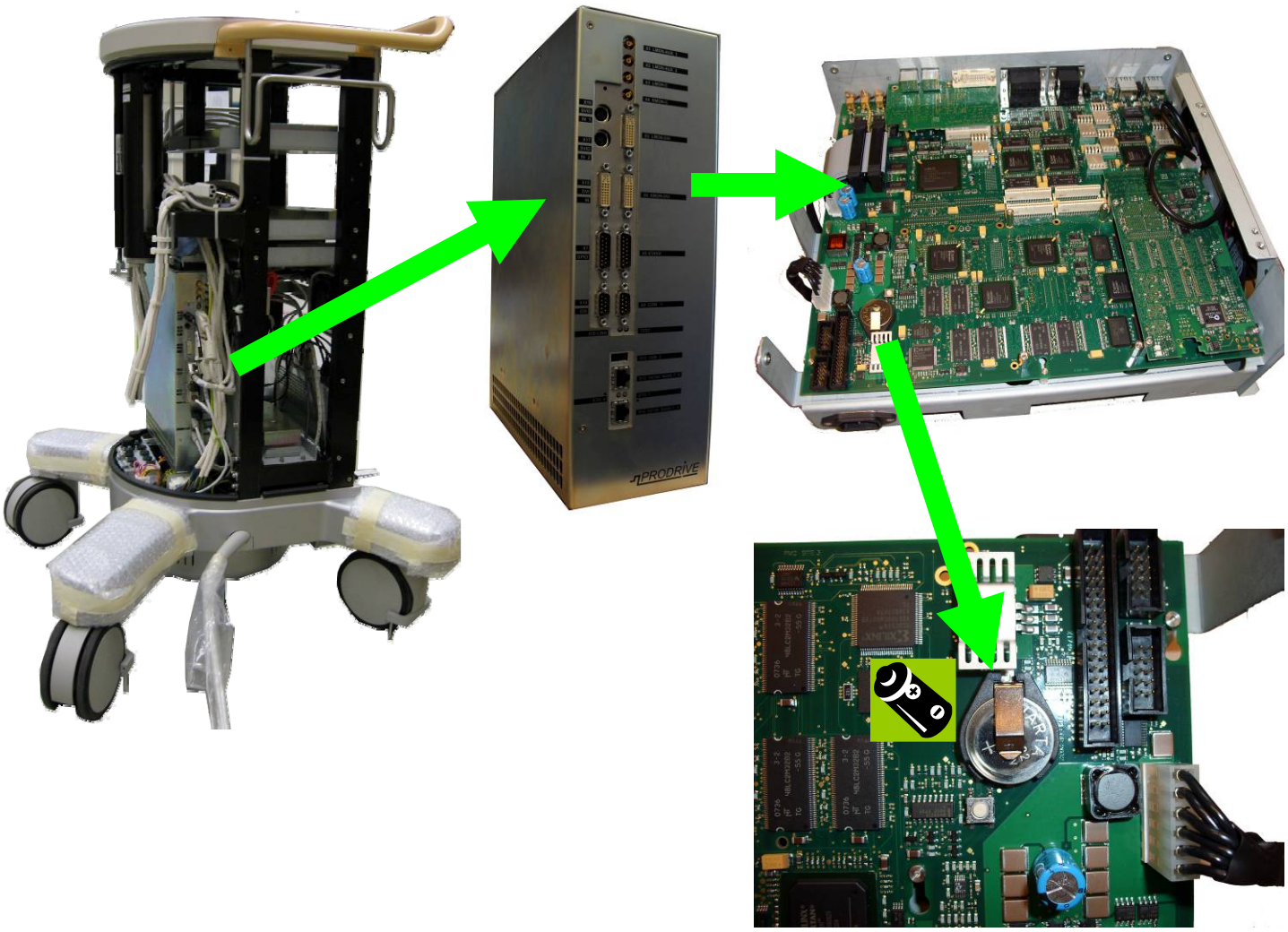




Electronics:

Batteries	Type:	Location
To be Removed	1x CR2032, 3.0 Volt, 3.0 gram LiMnO2 CR2032 3.0V Lithium coin cell of 3.2 gram (when option “Dell PersonalComputer” [Philips-indication: Viewforum hardware] is present)	See picture below In Dell PC when present

Hazardous	Substances:	Location
To be Removed	Lead (Pb) is present in the soldering of some PCBs	PCBs (PrintedCircuitBoards)



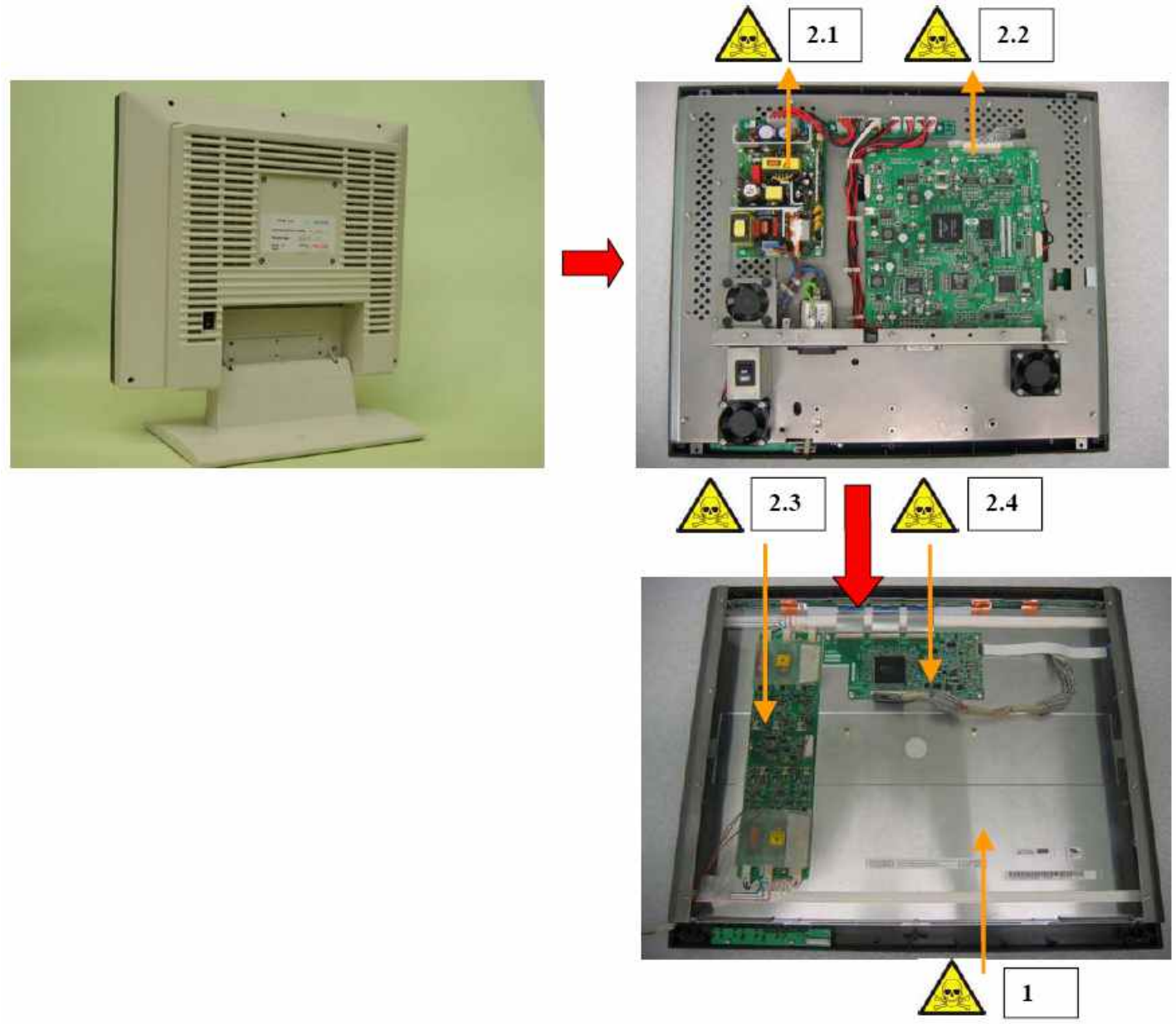
Display screens:

FOLLOWING PAGES PROVIDE INFORMATION ON VARIOUS SCREENS POSSIBLY PRESENT IN THE SYSTEM.

LCD screen FIMI MCL180-L / 9919-320-5089x | PAGE 1 of 2

Hazardous	Substances:		Location
 To be Removed	Type	Quantity	
	Cd	0	
	Hg	21 mg max. (*)	Next figure (1)
	Pb	Lead is present in the soldering process of PCBs	Next figure (2.x)
	Cr^{6+}	0	
	PBB	0	
	PBDE	0	
	(*) Mercury is present in Backlight lamps: 3.5mg x 6 lamps		

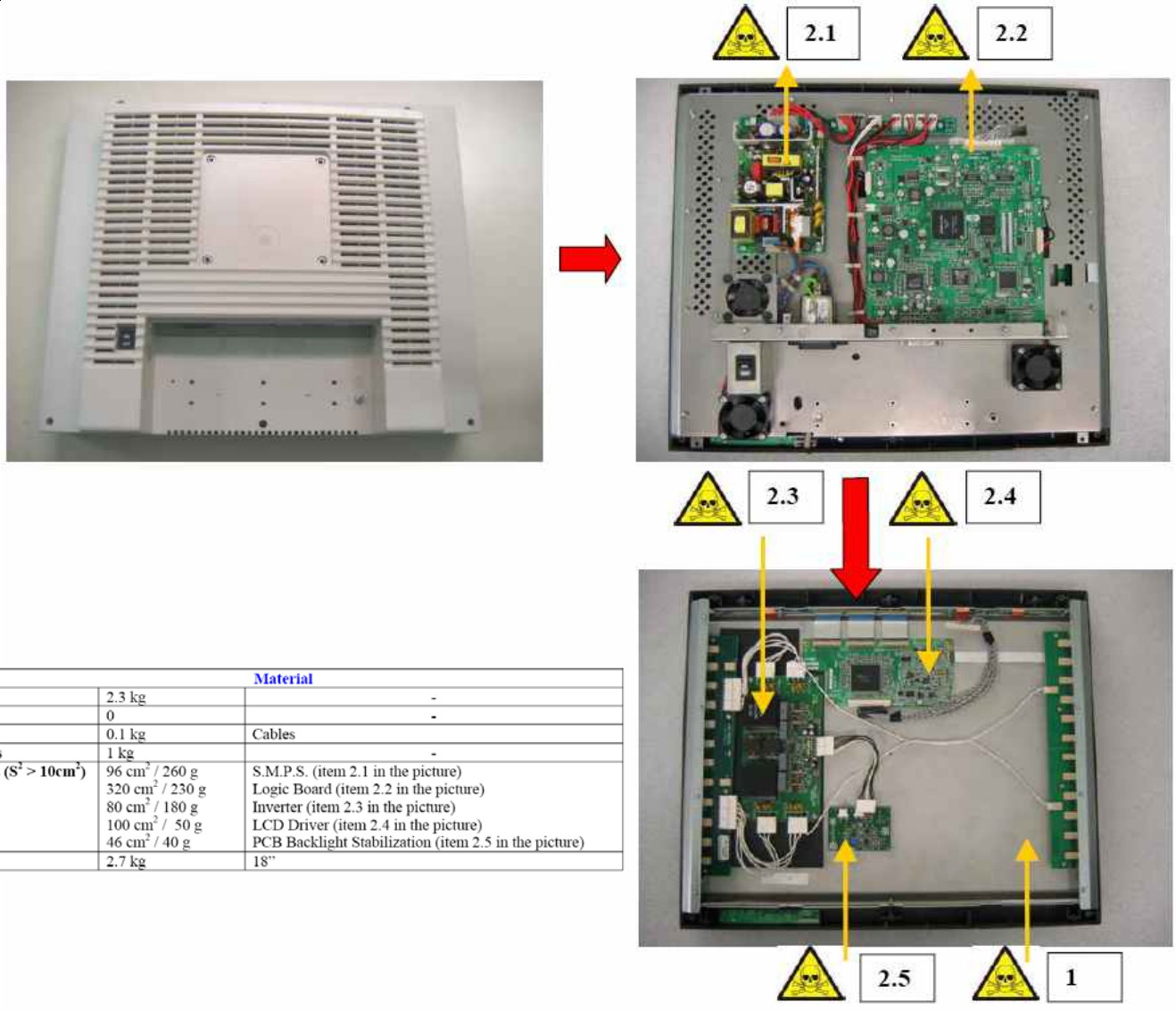
LCD screen FIMI MCL180-L / 9919-320-5089x | PAGE 2 of 2



Material		
Fe	6.0 kg	(3.4 kg in the pedestal)
Al	0	-
Cu	0.1 kg	Cables
Plastics	1.5 kg	(0.4 kg in the pedestal)
Boards (S^2 > 10cm^2)	96 cm^2 / 260 g 320 cm^2 / 230 g 144 cm^2 / 66 g 72 cm^2 / 54 g	S.M.P.S. (item 2.1 in the picture) Logic Board (item 2.2 in the picture) Inverter (item 2.3 in the picture) LCD Driver (item 2.4 in the picture)
CD	3 kg	18”

LCD screen FIMI MCL180-HB / 9919-320-5088x

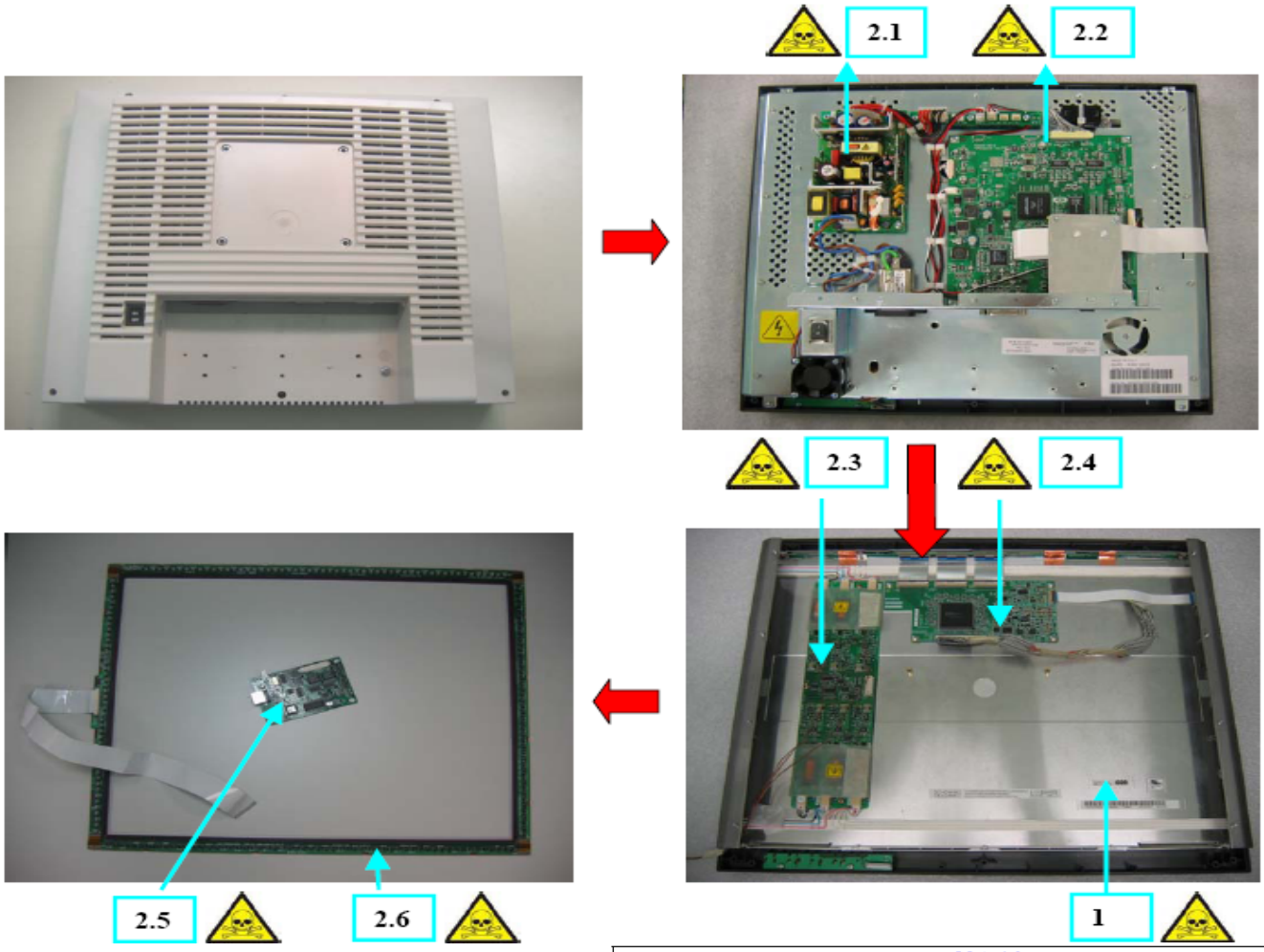
Hazardous To be Removed	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	36 mg max. (*)	Figure below (1)
	Pb	Lead is present in the soldering process of PCBs	Figure below (2.x)
	Cr^{6+}	0	
	PBB	0	
	PBDE	0	
	(*) Mercury is present in Backlight lamps: 3mg x 12 lamps		



Material		
Fe	2.3 kg	-
Al	0	-
Cu	0.1 kg	Cables
Plastics	1 kg	-
Boards (S^2 > 10cm^2)	96 cm^2 / 260 g 320 cm^2 / 230 g 80 cm^2 / 180 g 100 cm^2 / 50 g 46 cm^2 / 40 g	S.M.P.S. (item 2.1 in the picture) Logic Board (item 2.2 in the picture) Inverter (item 2.3 in the picture) LCD Driver (item 2.4 in the picture) PCB Backlight Stabilization (item 2.5 in the picture)
LCD	2.7 kg	18"

LCD screen FIMI MCL180-LT / 9919-320-5092x

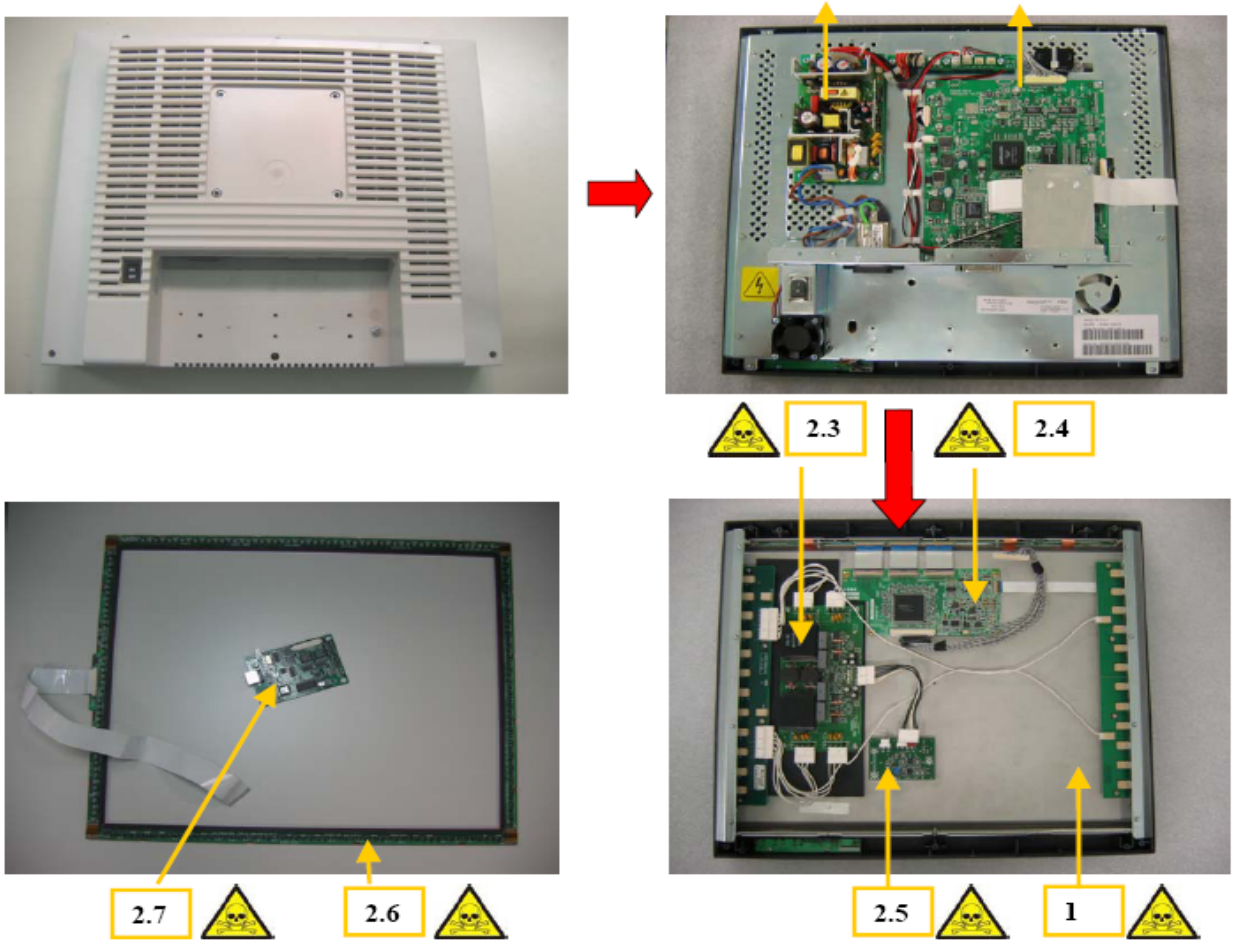
Hazardous  To be Removed	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	21mg max. (*)	Next figure (1)
	Pb	Lead is present in the soldering process of PCBs	Next figure (2.x)
	Cr^{6+}	0	
	PBB	0	
	PBDE	0	
	(*) Mercury is present in Backlight lamps: 3.5mg x 6 lamps		



Material		
Fe	2.3 kg	-
Al	0	-
Cu	0.2 kg	Cables
Plastics	1 kg	-
Boards ($S^2 > 10cm^2$)	96 cm^2 / 260 g 320 cm^2 / 230 g 80 cm^2 / 180 g 100 cm^2 / 50 g 71 cm^2 / 80 g 40 cm^2 / 50 g	S.M.P.S. (item 2.1 in the picture) Logic Board (item 2.2 in the picture) Inverter (item 2.3 in the picture) LCD Driver (item 2.4 in the picture) PCB Touch-Screen controller (item 2.5 in the picture) PCB Touch-Screen (item 2.6 in the picture)
LCD	2.7 kg	18"

LCD screen FIMI MCL180-HBT / 9919-320-5091x

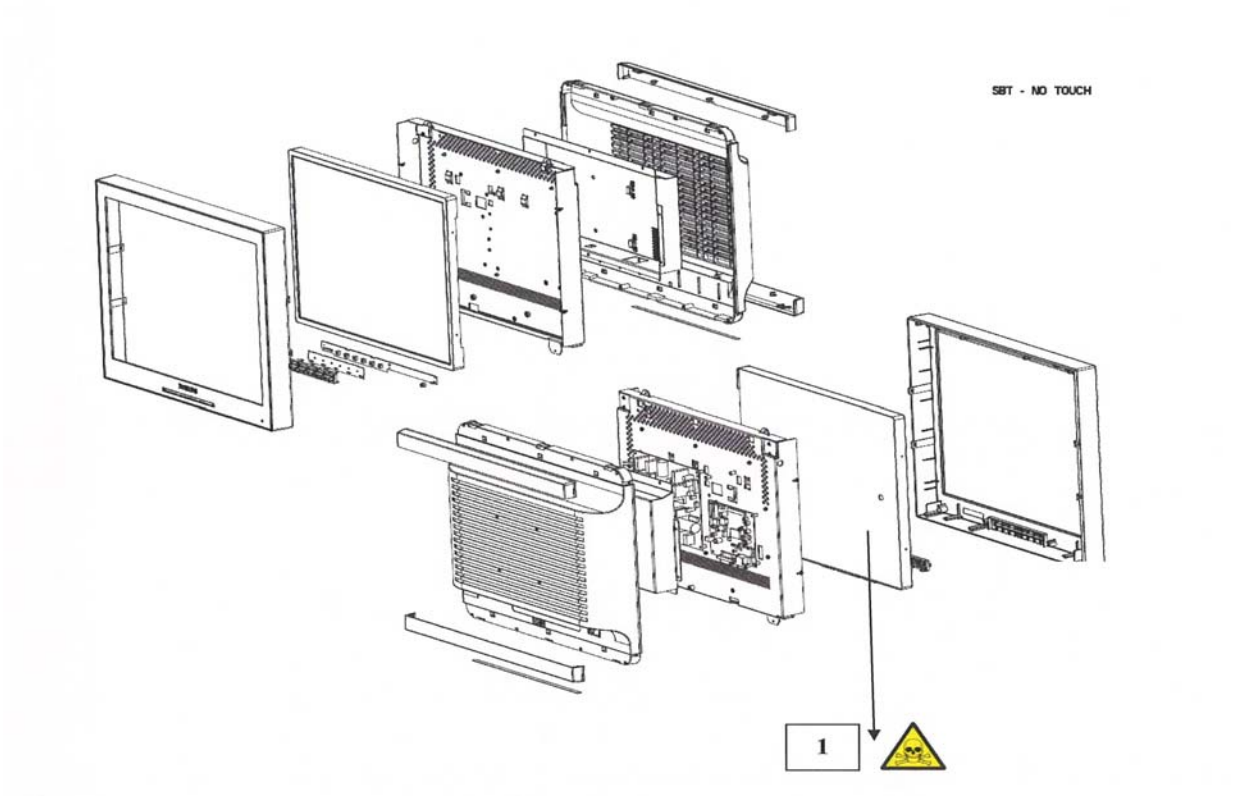
Hazardous  To be Removed	Substances:		Location
	Type	Quantity	
	Cd	0	
	Hg	36 mg max. (*)	Next figure (1)
	Pb	Lead is present in the soldering process of PCBs	Next figure (2.x)
	Cr^{6+}	0	
	PBB	0	
	PBDE	0	
	(*) Mercury is present in Backlight lamps: 3 mg x 12 lamps		



Material		
Fe	2.3 kg	-
Al	0	-
Cu	0.2 kg	Cables
Plastics	1 kg	-
Boards (S^2 > 10cm^2)	96 cm^2 / 260 g 320 cm^2 / 230 g 80 cm^2 / 180 g 100 cm^2 / 50 g 46 cm^2 / 40 g 71 cm^2 / 80 g 40 cm^2 / 50 g	S.M.P.S. (item 2.1 in the picture) Logic Board (item 2.2 in the picture) Inverter (item 2.3 in the picture) LCD Driver (item 2.4 in the picture) PCB Backlight Stabilization (item 2.5 in the picture) PCB Touch-Screen controller (item 2.6 in the picture) PCB Touch-Screen (item 2.7 in the picture)
LCD	2.7 kg	18"

LCD screen FIMI MCL190-SB/ 9919-322-5204x

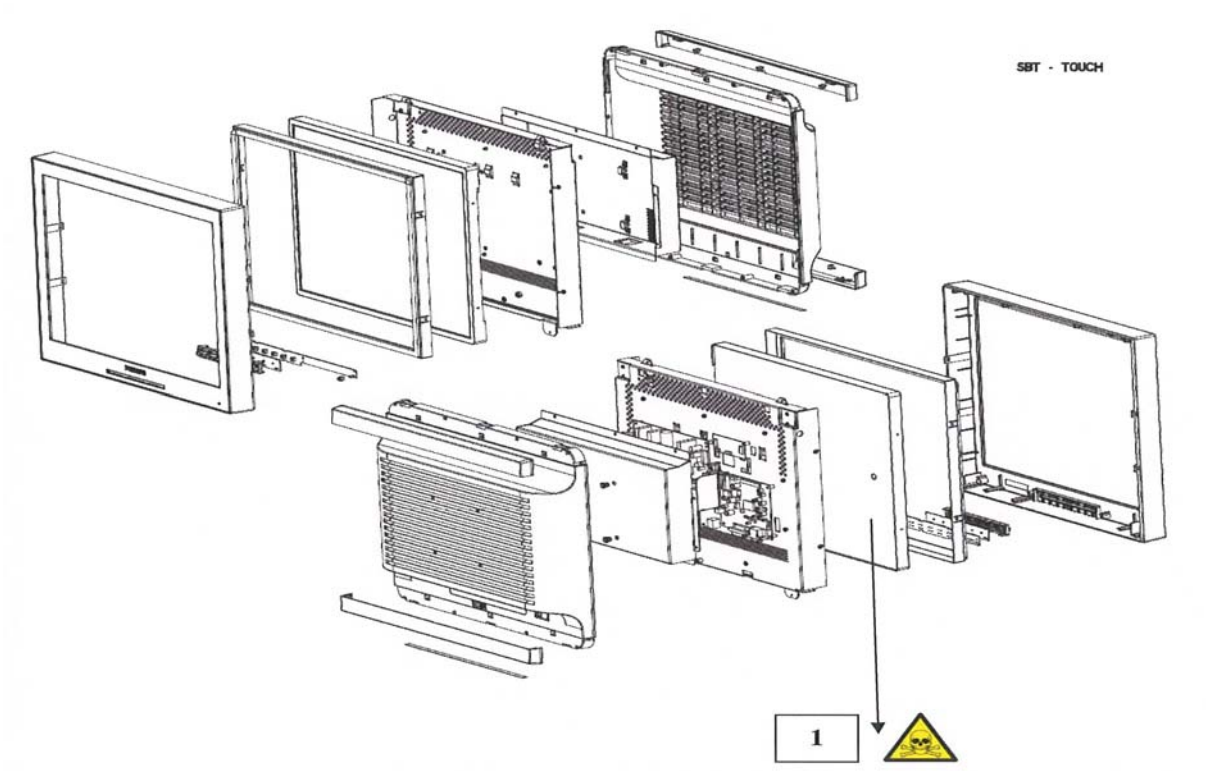
Hazardous To be Removed	Substances:		Location
	Type	Quantity	
	Cd	RoHS compliant	
	Hg	RoHS compliant (*)	Figure below (item 1)
	Pb	RoHS compliant	
	Cr^{6+}	RoHS compliant	
	PBB	RoHS compliant	
	PBDE	RoHS compliant	
	(*) Mercury is present in backlight lamps: 2.5mg x 4 lamps = 10mg		



Material		
Fe	1000 g	Mechanical Chassis
Al	680 g	Mechanical Chassis
Cu	50 g	Cables
Plastics	1285 g	Enclosure
Boards ($S^2 > 10cm^2$)	247 cm^2 / 280 g 110 cm^2 / 76 g 48 cm^2 / 20 g	S.M.P.S. Mother Board Keyboard
LCD	3030 g	19" LCD Panel

LCD screen FIMI MCL190-SBT/ 9919-322-5205x

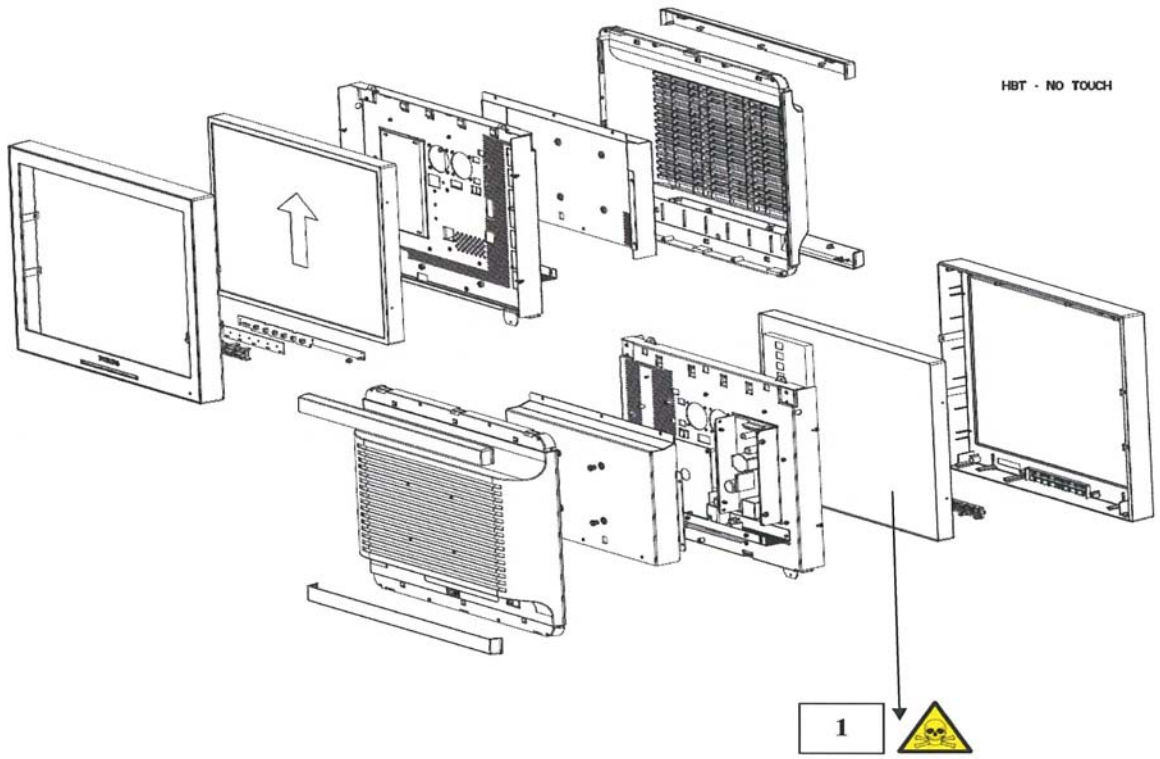
Hazardous	Substances:		Location
 To be Removed	Type	Quantity	
	Cd	RoHS compliant	
	Hg	RoHS compliant (*)	Figure below (item 1)
	Pb	RoHS compliant	
	Cr^{6+}	RoHS compliant	
	PBB	RoHS compliant	
	PBDE	RoHS compliant	
	(*) Mercury is present in backlight lamps: 2.5mg x 4 lamps = 10mg		



Material		
Fe	1000 g	Mechanical Chassis
Al	1080 g	Mechanical Chassis
Cu	50 g	Cables
Plastics	1285 g	Enclosure
Boards ($S^2 > 10cm^2$)	247 cm^2 / 280 g 110 cm^2 / 76 g 48 cm^2 / 20 g 10.5 cm^2 /10g 21 cm^2 /20g	S.M.P.S. Mother Board Keyboard USB Interface Touch Controller
LCD	3030 g	19" LCD Panel

LCD screen FIMI MCL190-HB/ 9919-322-5206x

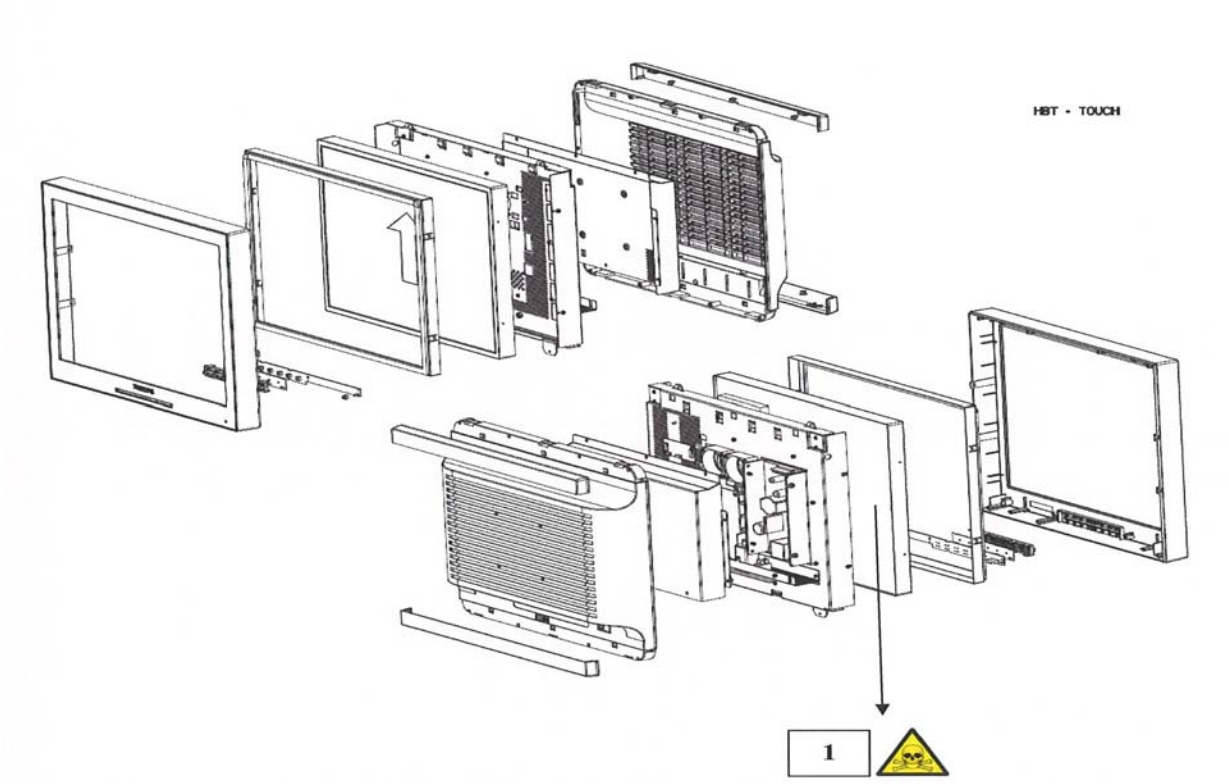
Hazardous To be Removed	Substances:		Location
	Type	Quantity	
	Cd	RoHS compliant	
	Hg	RoHS compliant (*)	Figure below (item 1)
	Pb	RoHS compliant	
	Cr^{6+}	RoHS compliant	
	PBB	RoHS compliant	
	PBDE	RoHS compliant	
	(*) Mercury is present in backlight lamps: 2.5mg x 14 lamps = 35mg		



Material		
Fe	1425 g	Mechanical Chassis
Al	657 g	Mechanical Chassis
Cu	55 g	Cables
Plastics	1225 g	Enclosure
Boards ($S^2 > 10cm^2$)	161 cm^2 / 512 g 201 cm^2 / 115 g 48 cm^2 / 48 g 270 cm^2 /100g 60 g	S.M.P.S. Mother Board Keyboard Inverter Miscellaneous
LCD	1700 g	19" LCD Panel

LCD screen FIMI MCL190-HBT/ 9919-322-5207x

Hazardous	Substances:		Location
 To be Removed	Type	Quantity	
	Cd	RoHS compliant	
	Hg	RoHS compliant (*)	Figure below (item 1)
	Pb	RoHS compliant	
	Cr^{6+}	RoHS compliant	
	PBB	RoHS compliant	
	PBDE	RoHS compliant	
	(*) Mercury is present in backlight lamps: 2.5mg x 14 lamps = 35mg		



Material		
Fe	1425 g	Mechanical Chassis
Al	957 g	Mechanical Chassis
Cu	55 g	Cables
Plastics	1400 g	Enclosure
Boards (S^2 > 10cm^2)	161 cm^2 / 512 g 201 cm^2 / 115 g 48 cm^2 / 48 g 270 cm^2 /100g 10.5 cm^2 /10g 21 cm^2 /20g 60 g	S.M.P.S. Mother Board Keyboard Inverter USB Interface Touch Controller Miscellaneous
LCD	1700 g	19" LCD Panel