TA-F246E/F446E

SERVICE MANUAL

AEP Model
UK Model

The TA-F246E/F446E (AEP, UK) model is approximately the same as the TA-F244E/F444E (AEP,UK) model. (TA-F246E corresponds to TA-F244E and TA-F446E corresponds to TA-F444E.)
Consequently, only differences between TA-F244E/F444E and TA-F246E/F446E are listed. For other information, please refer to the TA-F244E/F444E service manuals (9-959-509-11) previously issued.

INTEGRATED STEREO AMPLIFIER

SONY®

Sony Corporation
Consumer A&V Products Company
Home A&V Products Div.

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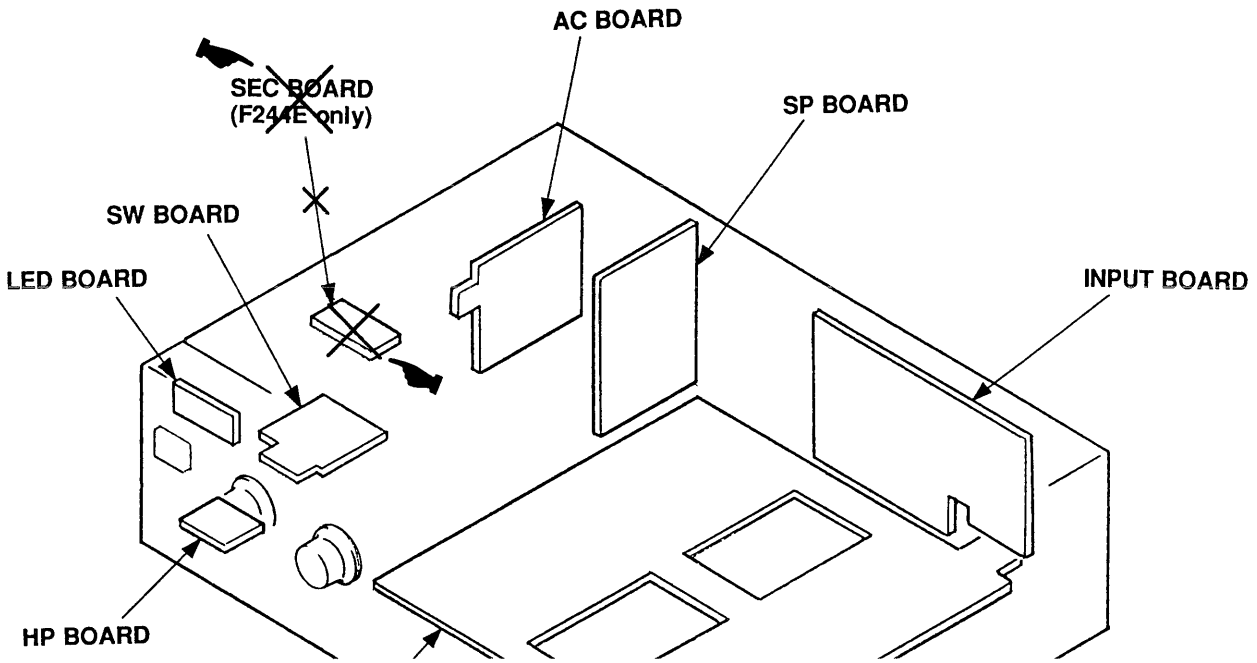
Quality Engineering Dept.

9-960-217-11

CIRCUIT BOARDS LOCATION

☛ : difference portion

TA-F244E/F444E
Page 6

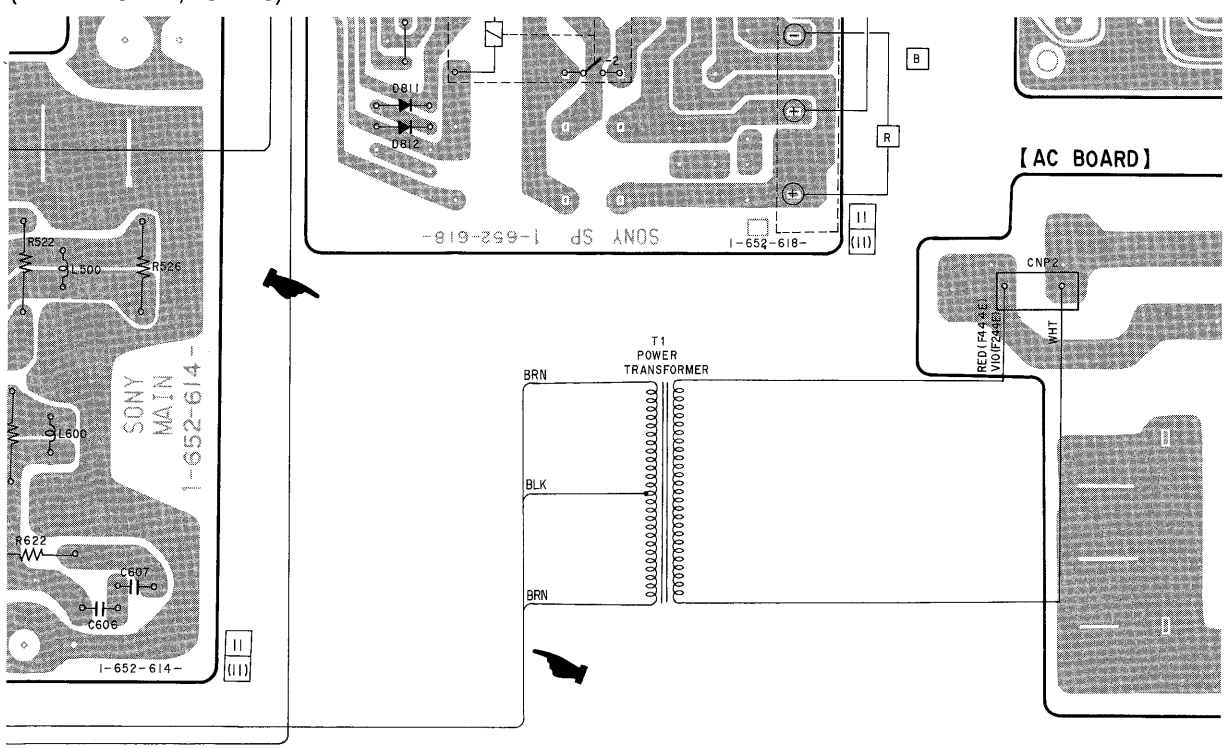


PRINTED WIRING BOARDS

☛ : difference portion

TA-F244E/F444E
Page 12

(Location G – K, 13 – 19)

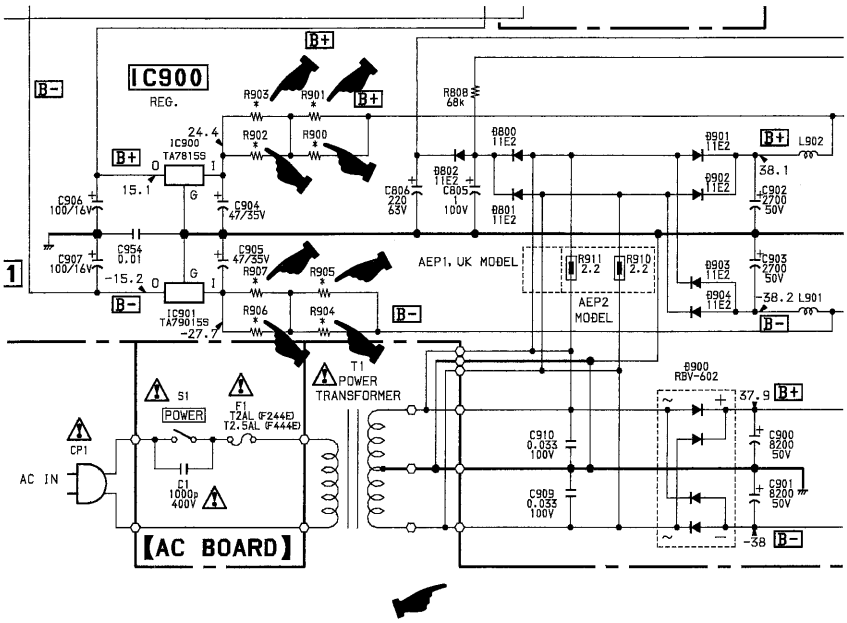


SCHEMATIC DIAGRAM

: difference portion

TA-F244E/F444E
Page 13

(Location E – H, 3 – 7)

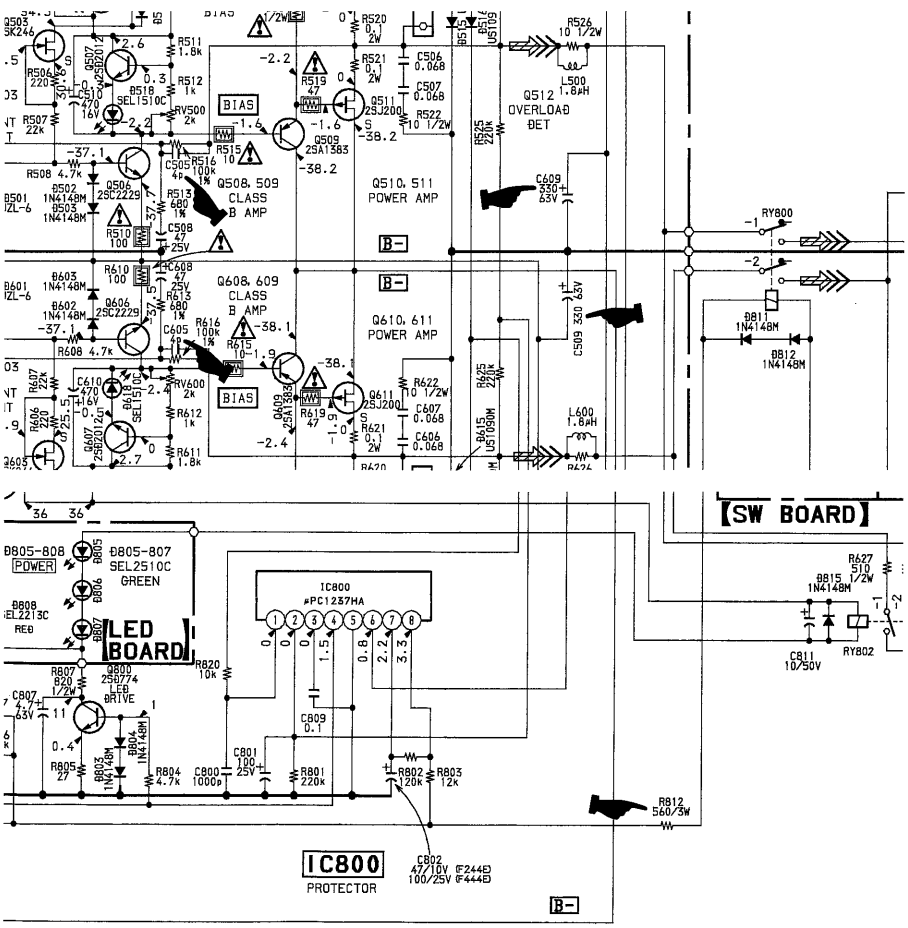


*

Ref. No.	TA-F246E	TA-F446E
R900	1k	1.2k
R901		
R902		
R903		
R904		
R905		
R906		
R907		

TA-F244E/F444E
Page 14

(Location B – G, 8 – 13)



ELECTRICAL PARTS LIST

MAIN (TA-F244E/F444E Service manual page 18 – 21.)

Ref. No.	TA-F244E/F444E					TA-F246E/F446E				
	Part No.	Description				Part No.	Description			
	* A-4369-950-A	MAIN BOARD, COMPLETE (F444E:AEP1, UK)				* A-4378-388-A	MAIN BOARD, COMPLETE (F446E:AEP)			
	* A-4371-171-A	MAIN BOARD, COMPLETE (F444E:AEP2)				* A-4378-389-A	MAIN BOARD, COMPLETE (F446E:UK)			
	* A-4371-174-A	MAIN BOARD, COMPLETE (F244E:AEP1, UK)				* A-4378-390-A	MAIN BOARD, COMPLETE (F246E:AEP)			
	* A-4371-181-A	MAIN BOARD, COMPLETE (F244E:AEP2)				* A-4378-391-A	MAIN BOARD, COMPLETE (F246E:UK)			
C505	1-164-039-11	CERAMIC	3PF	0.25PF	50V	1-113-496-91	FILM	4PF	10%	50V
C509	1-124-572-11 1-126-365-51	ELECT ELECT	100MF 100MF	20% 20%	63V (F244E) 63V (F444E)	1-126-054-91	ELECT	330MF	20%	50V
C605	1-164-039-11	CERAMIC	3PF	0.25PF	50V	1-113-496-91	FILM	4PF	10%	50V
C609	1-124-572-11 1-126-365-51	ELECT ELECT	100MF 100MF	20% 20%	63V (F244E) 63V (F444E)	1-126-054-91	ELECT	330MF	20%	50V
R812	1-215-915-11	METAL OXIDE	470	5%	3W F	⚠1-216-479-11	METAL OXIDE	560	5%	3W F
R900	1-247-753-11	CARBON	1.2K	5%	1/2W	1-247-725-11 1-247-753-11	CARBON CARBON	1K 1.2K	5% 5%	1/2W (F246E) 1/2W (F446E)
R901	1-247-753-11	CARBON	1.2K	5%	1/2W	1-247-725-11 1-247-753-11	CARBON CARBON	1K 1.2K	5% 5%	1/2W (F246E) 1/2W (F446E)
R902	1-247-753-11	CARBON	1.2K	5%	1/2W	1-247-725-11 1-247-753-11	CARBON CARBON	1K 1.2K	5% 5%	1/2W (F246E) 1/2W (F446E)
R903	1-247-753-11	CARBON	1.2K	5%	1/2W	1-247-725-11 1-247-753-11	CARBON CARBON	1K 1.2K	5% 5%	1/2W (F246E) 1/2W (F446E)
R904	1-247-753-11	CARBON	1.2K	5%	1/2W	1-247-725-11 1-247-753-11	CARBON CARBON	1K 1.2K	5% 5%	1/2W (F246E) 1/2W (F446E)
R905	1-247-753-11	CARBON	1.2K	5%	1/2W	1-247-725-11 1-247-753-11	CARBON CARBON	1K 1.2K	5% 5%	1/2W (F246E) 1/2W (F446E)
R906	1-247-753-11	CARBON	1.2K	5%	1/2W	1-247-725-11 1-247-753-11	CARBON CARBON	1K 1.2K	5% 5%	1/2W (F246E) 1/2W (F446E)
R907	1-247-753-11	CARBON	1.2K	5%	1/2W	1-247-725-11 1-247-753-11	CARBON CARBON	1K 1.2K	5% 5%	1/2W (F246E) 1/2W (F446E)

SEC (TA-F244E/F444E Service manual page 21.)

Ref. No.	TA-F244E/F444E		TA-F246E/F446E	
	Part No.	Description	Part No.	Description
	* 1-652-615-11	SEC BOARD (F244E)	———	

EXPLODED VIEWS

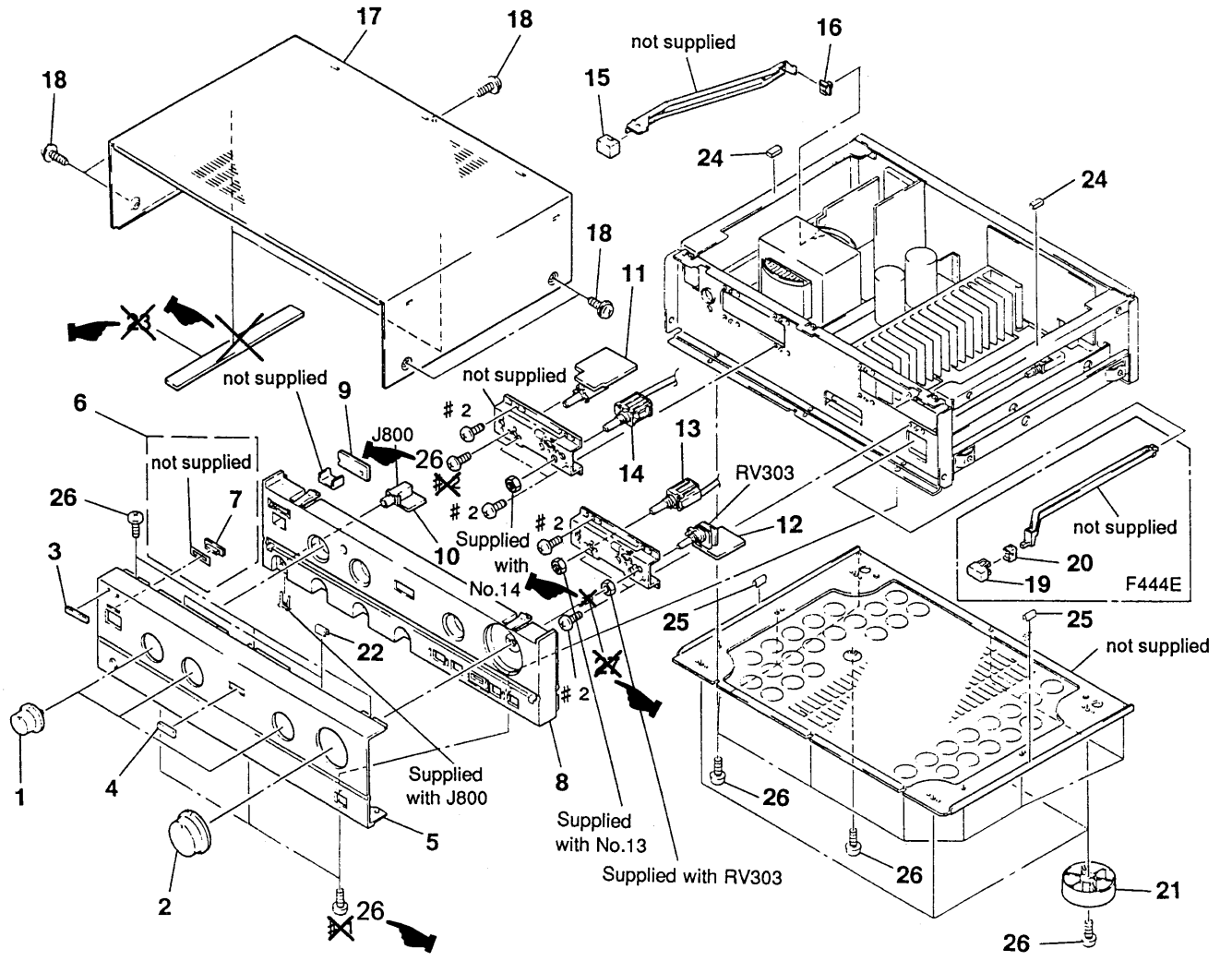
NOTE :

- Items marked " * "are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

☛ : difference portion

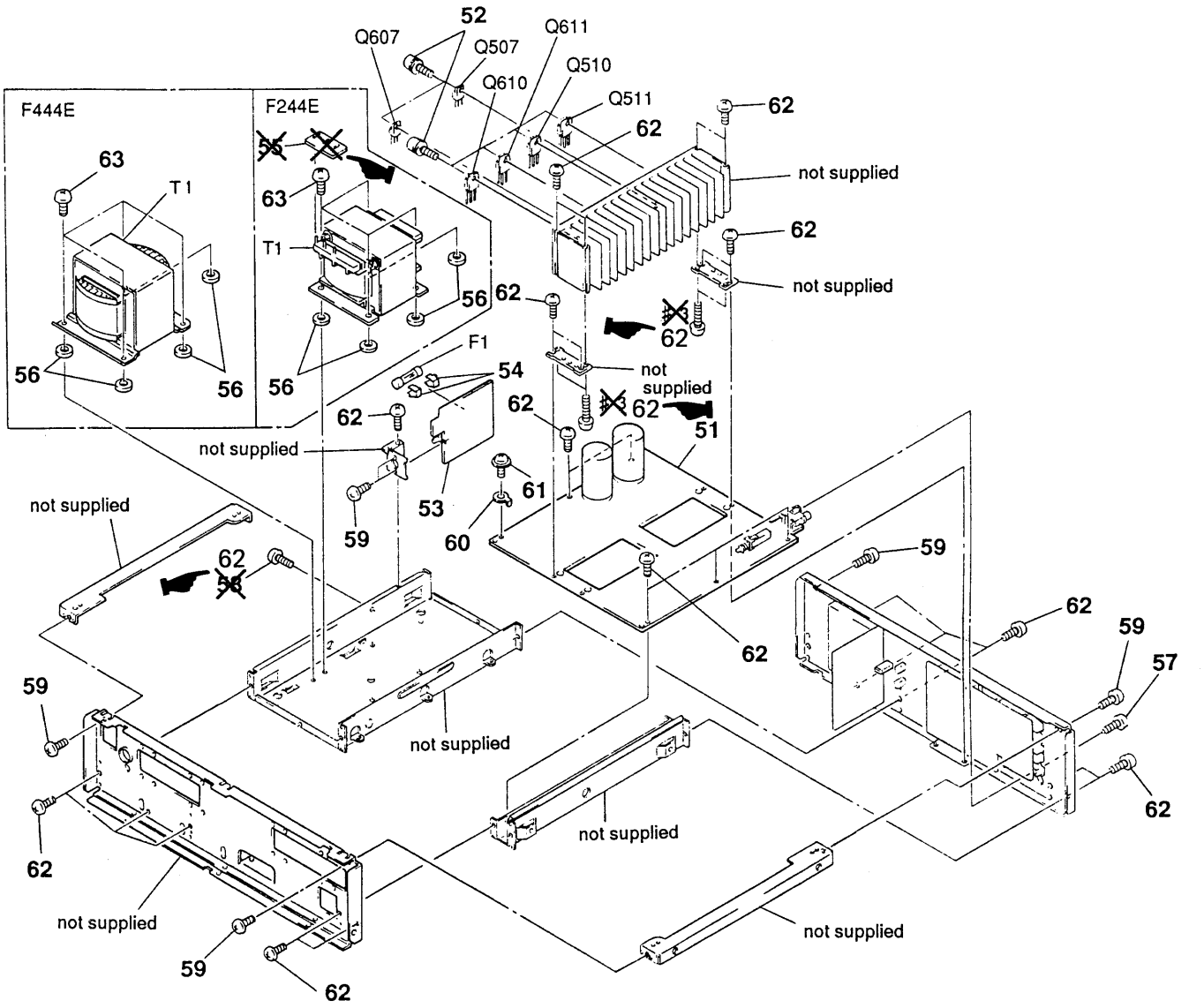
CASE AND FRONT PANEL SECTION



DIFFERENCE PARTS

Page on TA-F244E/F444E SERVICE MANUAL		Ref. No.	Part No.	Description
15		5	4-966-304-31	PANEL, FRONT (F246E)
15		5	4-966-304-41	PANEL, FRONT (F446E)
15		17	4-924-920-91	CASE
15		21	4-956-885-11	FOOT (F58175S2W)
15	*	23	————	————
15		27	————	————

CHASSIS SECTION

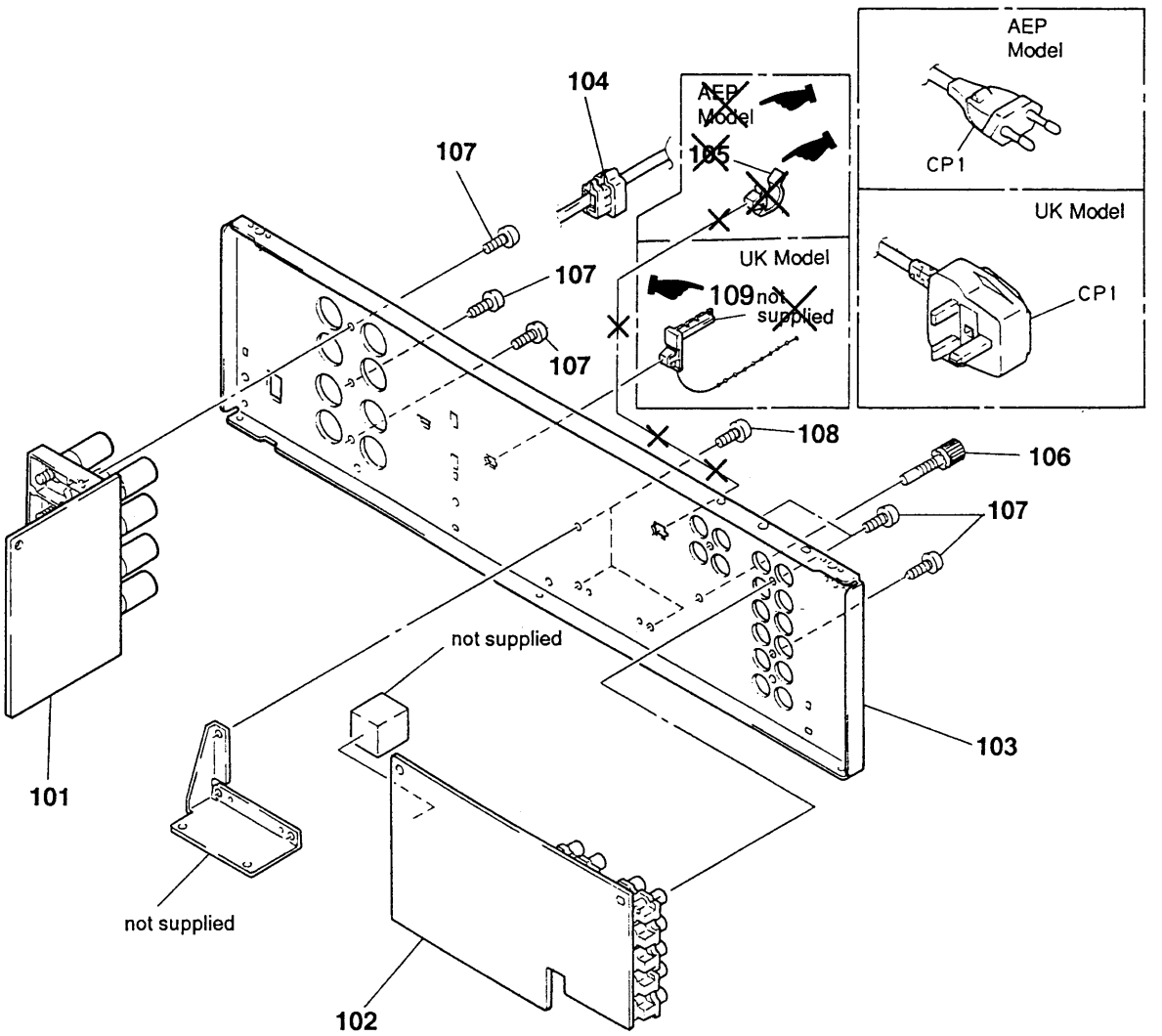


The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

DIFFERENCE PARTS

Page on TA-F244E/F444E SERVICE MANUAL	Ref. No.	Part No.	Description
16	* 51	X-4378-388-A	MAIN BOARD, COMPLETE (F446E:AEP)
16	* 51	X-4378-389-A	MAIN BOARD, COMPLETE (F446E:UK)
16	* 51	X-4378-390-A	MAIN BOARD, COMPLETE (F246E:AEP)
16	* 51	X-4378-391-A	MAIN BOARD, COMPLETE (F246E:UK)
16	55	————	
16	58	————	
16	⚠ T1	1-429-076-11	TRANSFORMER, POWER (F246E)
16	⚠ T1	1-429-077-11	TRANSFORMER, POWER (F446E)

BACK PANEL SECTION



DIFFERENCE PARTS

Page on TA-F244E/F444E SERVICE MANUAL	Ref.No.	Part No.	Description
17	103	4-975-081-01	PANEL, BACK (F246E:AEP)
17	103	4-975-081-11	PANEL, BACK (F246E:UK)
17	103	4-975-081-21	PANEL, BACK (F446E:AEP)
17	103	4-975-081-31	PANEL, BACK (F446E:UK)
17	105	————————	
17	109	4-956-370-02	BAND, PLUG FIXED(UK)

MISCELLANEOUS

Page on TA-F244E/F444E Service manual	Ref. No.	TA-F246E/F446E
22	⚠ T1	1-429-076-11 TRANSFORMER, POWER (F246E)
	⚠ T1	1-429-077-11 TRANSFORMER, POWER (F446E)

ACCESSORIES & PACKING MATERIALS

Page on TA-F244E/F444E Service manual	TA-F246E/F446E
22	3-800-011-11 MANUAL INSTRUCTION (ENGLISH/FRENCH/POLTUGUESE/ SWEDISH/ITALIAN)
	4-967-239-01 CUSHION
	4-977-073-01 INDIVIDUAL CARTON (F246E)
	4-977-074-01 INDIVIDUAL CARTON (F446E)

HARDWARE LIST

Page on TA-F244E/F444E Service manual	Ref. No.	TA-F246E/F446E
22	#1	————————
	#2	7-685-871-01 SCREW +BVTT 3×6 (S)
	#3	————————