

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.

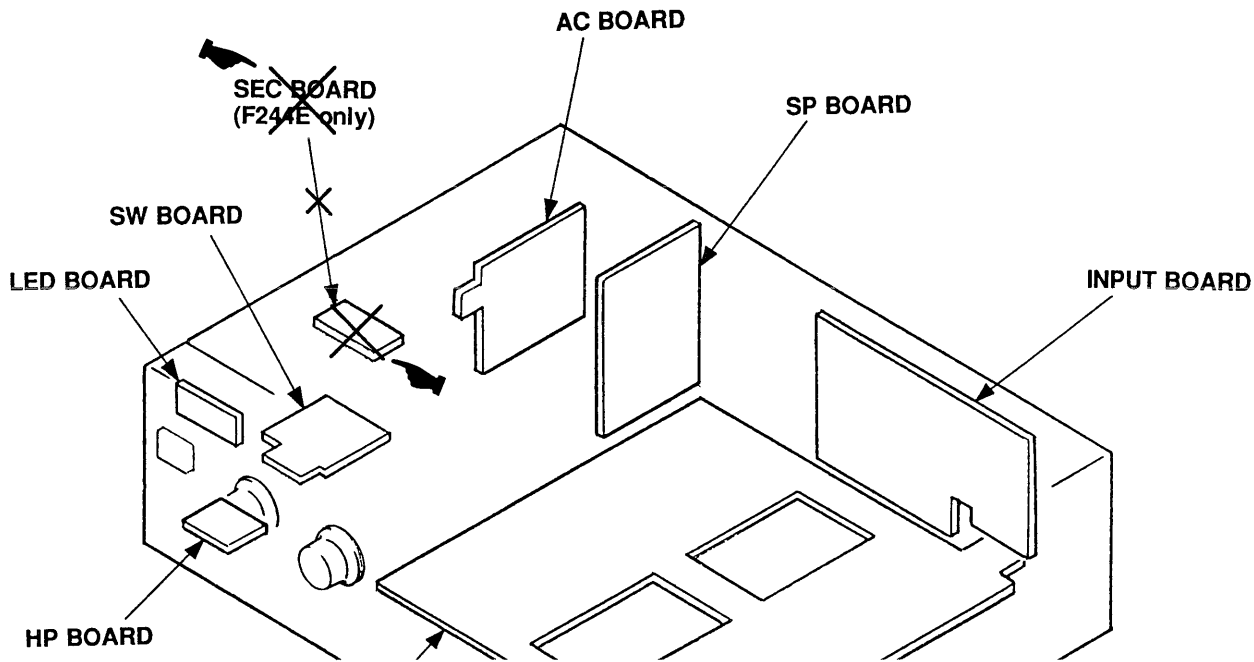
9-960-217-11

English
95E027541-1
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Published by Home A&V Products Div.
Quality Engineering Dept.

CIRCUIT BOARDS LOCATION

 : difference portion

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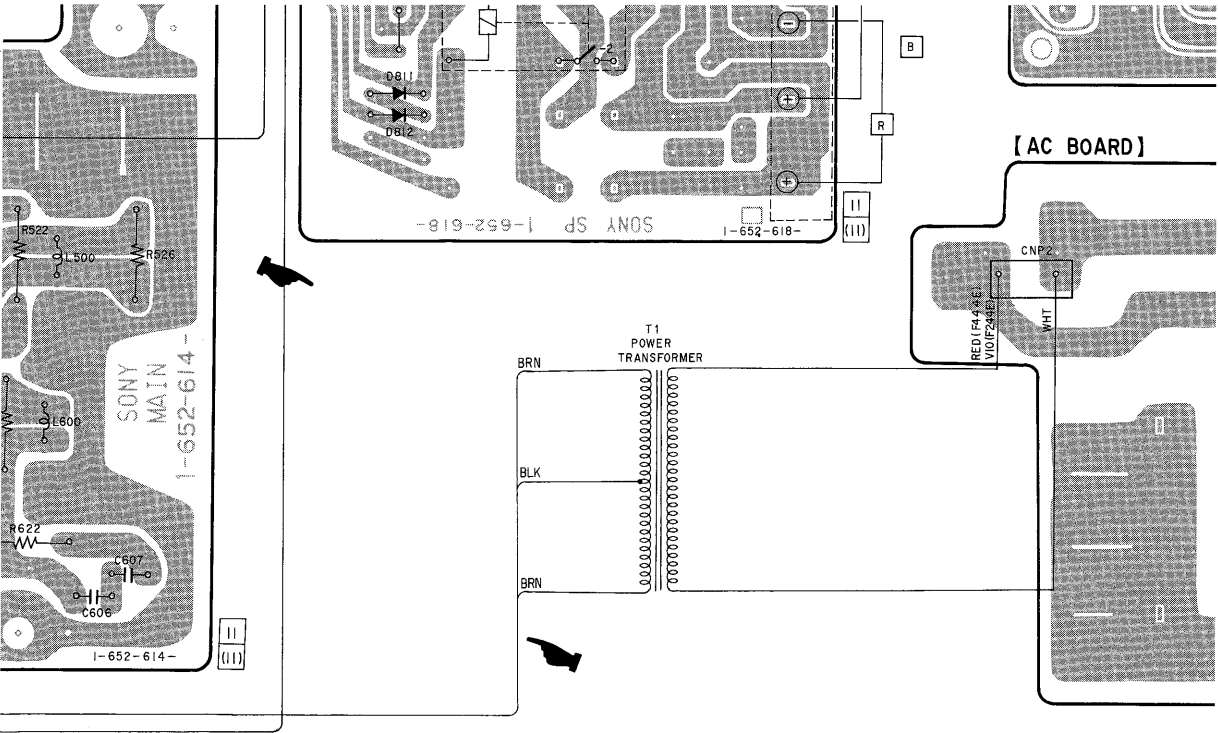


PRINTED WIRING BOARDS

 : difference portion

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(Location G – K, 13 – 19)

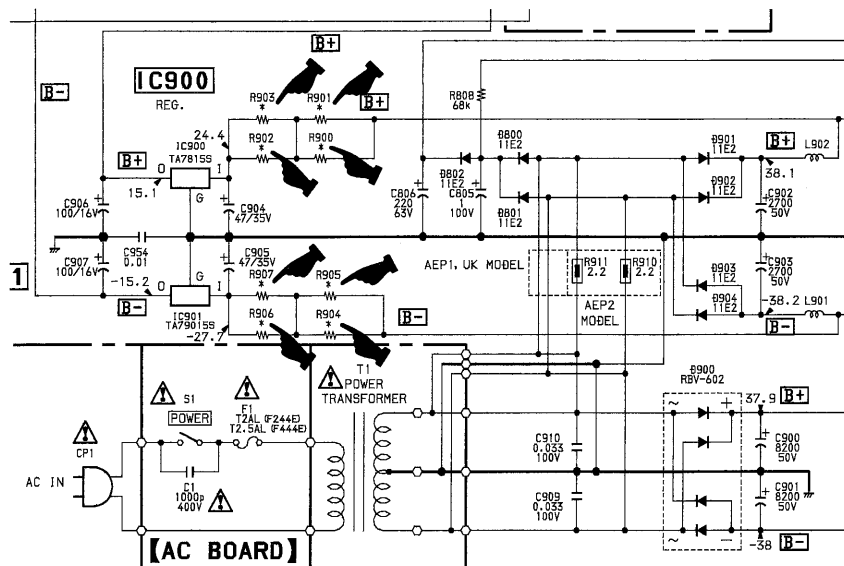


SCHEMATIC DIAGRAM

👉 : difference portion

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(Location E – H, 3 – 7)

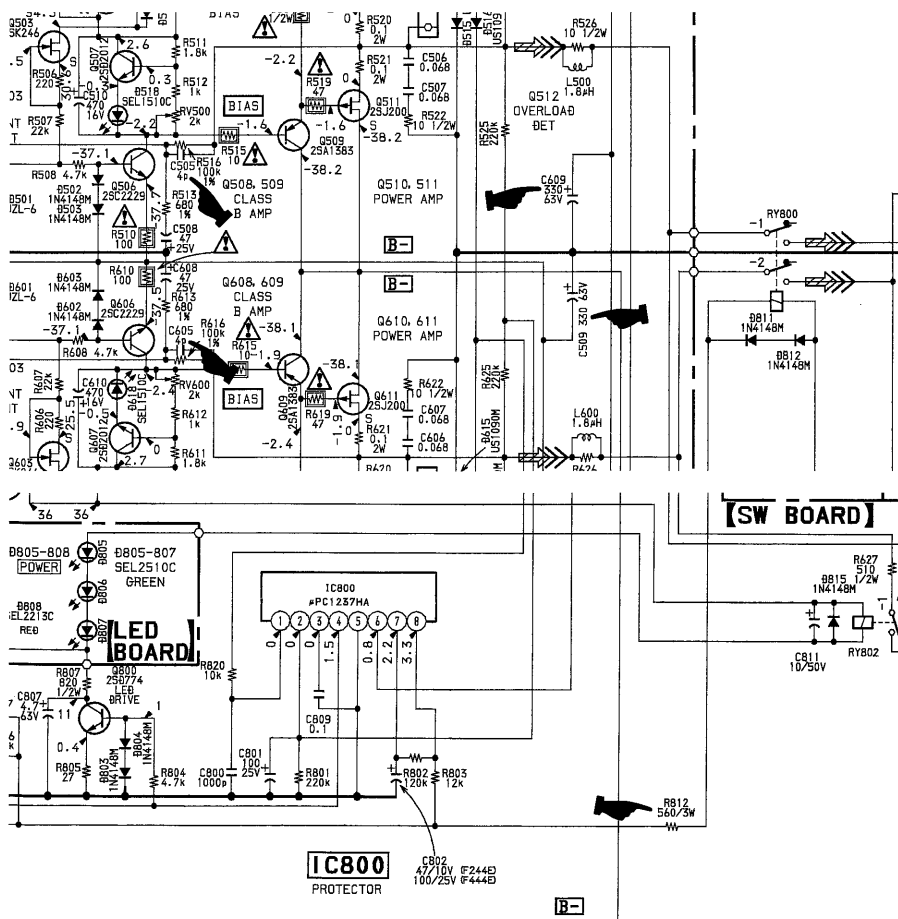


*

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

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(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	ELECT	100MF	20%	63V (F244E)		1-126-054-91	ELECT	330MF	20%	50V	
	1-126-365-51	ELECT	100MF	20%	63V (F444E)							
C605	1-164-039-11	CERAMIC	3PF	0.25PF	50V		1-113-496-91	FILM	4PF	10%	50V	
C609	1-124-572-11	ELECT	100MF	20%	63V (F244E)		1-126-054-91	ELECT	330MF	20%	50V	
	1-126-365-51	ELECT	100MF	20%	63V (F444E)							
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	CARBON	1K	5%	1/2W (F246E)	
							1-247-753-11	CARBON	1.2K	5%	1/2W (F446E)	
R901	1-247-753-11	CARBON	1.2K	5%	1/2W		1-247-725-11	CARBON	1K	5%	1/2W (F246E)	
							1-247-753-11	CARBON	1.2K	5%	1/2W (F446E)	
R902	1-247-753-11	CARBON	1.2K	5%	1/2W		1-247-725-11	CARBON	1K	5%	1/2W (F246E)	
							1-247-753-11	CARBON	1.2K	5%	1/2W (F446E)	
R903	1-247-753-11	CARBON	1.2K	5%	1/2W		1-247-725-11	CARBON	1K	5%	1/2W (F246E)	
							1-247-753-11	CARBON	1.2K	5%	1/2W (F446E)	
R904	1-247-753-11	CARBON	1.2K	5%	1/2W		1-247-725-11	CARBON	1K	5%	1/2W (F246E)	
							1-247-753-11	CARBON	1.2K	5%	1/2W (F446E)	
R905	1-247-753-11	CARBON	1.2K	5%	1/2W		1-247-725-11	CARBON	1K	5%	1/2W (F246E)	
							1-247-753-11	CARBON	1.2K	5%	1/2W (F446E)	
R906	1-247-753-11	CARBON	1.2K	5%	1/2W		1-247-725-11	CARBON	1K	5%	1/2W (F246E)	
							1-247-753-11	CARBON	1.2K	5%	1/2W (F446E)	
R907	1-247-753-11	CARBON	1.2K	5%	1/2W		1-247-725-11	CARBON	1K	5%	1/2W (F246E)	
							1-247-753-11	CARBON	1.2K	5%	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

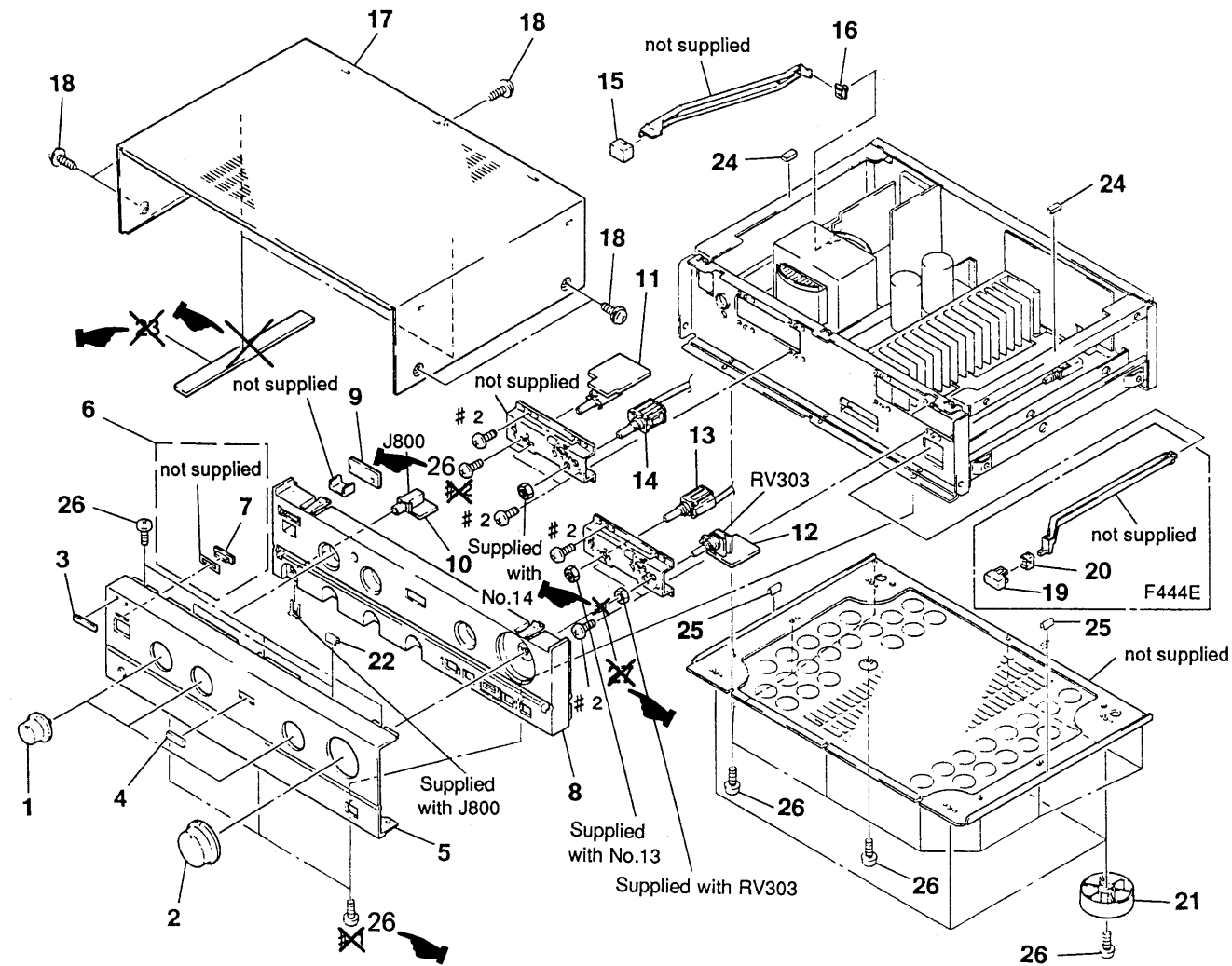
NOTE :

- 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

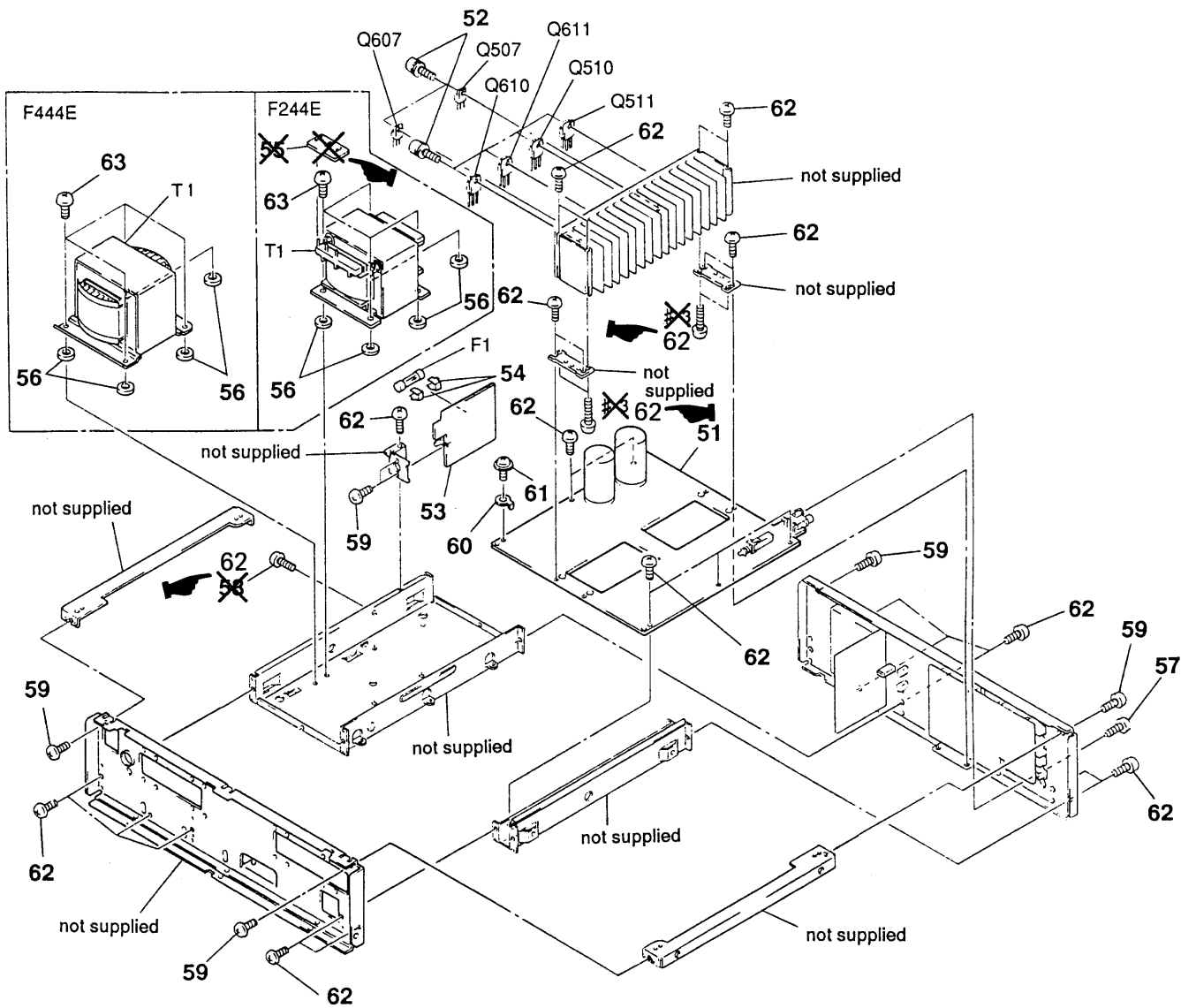


DIFFERENCE PARTS

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	27	

CHASSIS SECTION



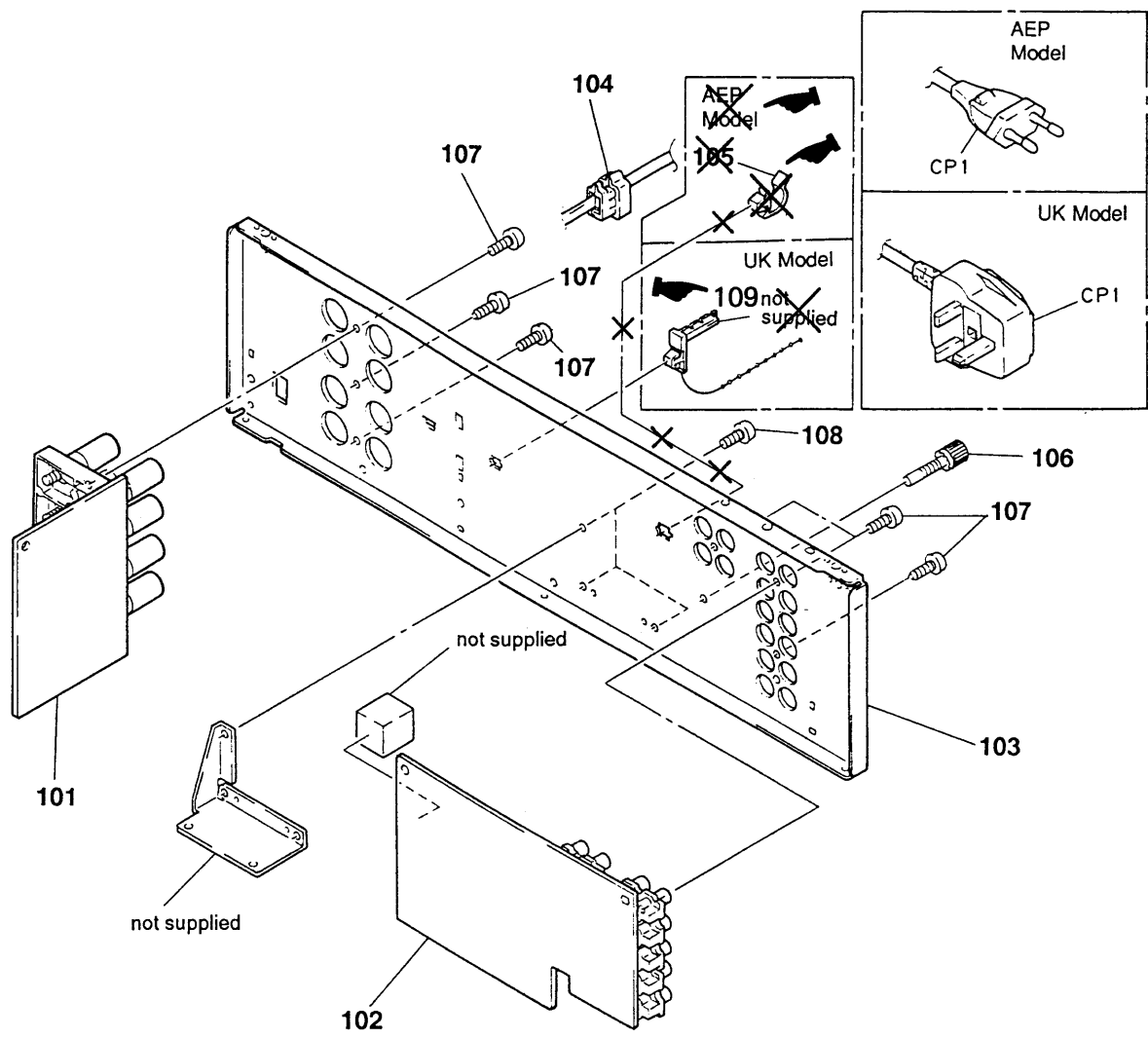
The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

DIFFERENCE PARTS

Page on TA-F244E/F444E
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	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
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	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 #3	 7-685-871-01 SCREW +BVTT 3×6 (S)