

TA-FE210

SERVICE MANUAL

*AEP Model
UK Model*



The TA-FE210 is respectively the TA-FE200 model whose panels have been changed.

This service manual describes only the difference of exploded views, schematic diagram, printed wiring boards and electrical parts list.

For the other information, refer to the service manual for TA-FE200 (9-960-697-□□) previously issued.

INTEGRATED STEREO AMPLIFIER



SONY®

1. DIFFERENCE OF EXPLODED VIEWS, AND CORRECTION

 : Corrected portion

Page	TA-FE200				TA-FE210		
13							
	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
	4	X-4946-799-3	PANEL ASSY, FRONT		X-4948-265-1	PANEL ASSY, FRONT	
	* 7	1-659-952-11	AC SW BOARD		* 1-659-952-11	AC SW BOARD	
	△S1				△1-554-920-11	SWITCH, PUSH (AC POWER) (1 KEY) (POWER)	
14	56	4-956-370-02	BAND, PLUG FIXED (UK)		4-956-370-12	BAND, PLUG FIXED (UK)	
	* 58	4-980-202-01	PANEL, BACK (AEP, German)		* 4-980-202-22	PANEL, BACK (AEP, German)	
	* 58	4-980-202-11	PANEL, BACK (UK)		* 4-980-202-31	PANEL, BACK (UK)	

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

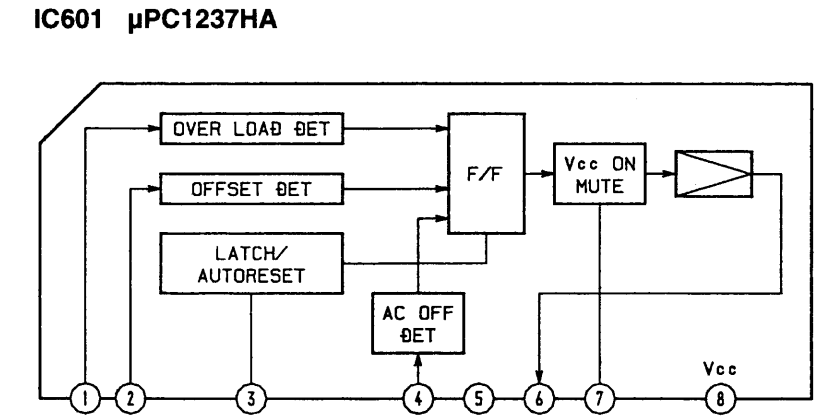
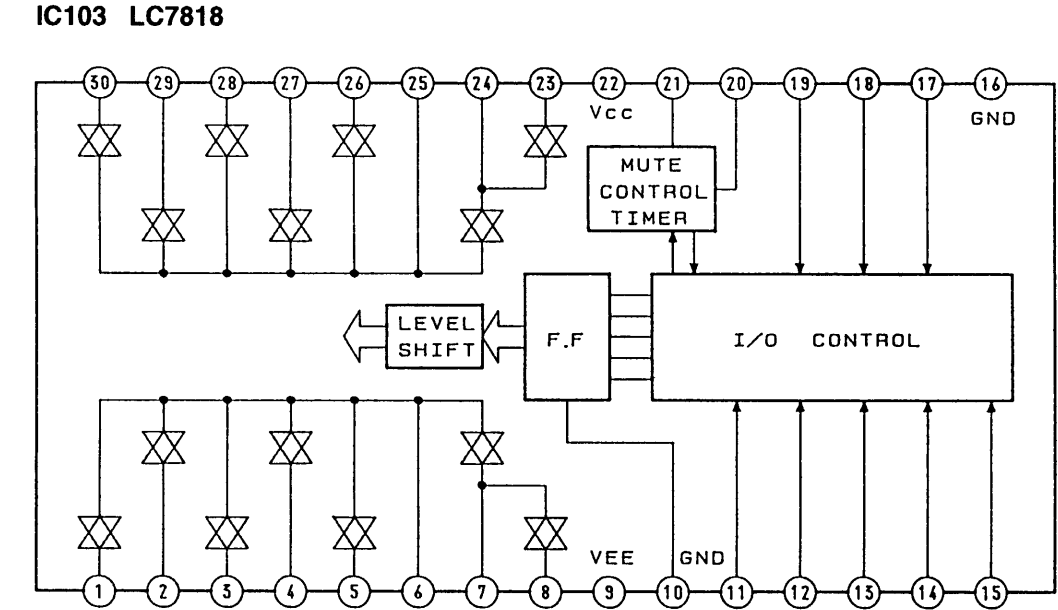
The components identified by mark △ or dotted line with mark. △ are critical for safety. Replace only with part number specified.

2. DIFFERENCE OF ACCESSORIES & PACKING MATERIALS

Page	TA-FE200				TA-FE210		
18	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
		3-856-216-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE) (AEP, UK)				
		3-856-216-21	MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN) (AEP)				
		3-856-216-31	MANUAL, INSTRUCTION (GERMAN) (German)				
					3-860-499-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE)	
					3-860-499-21	MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN) (AEP, German)	
	*	4-981-581-01	INDIVIDUAL CARTON				

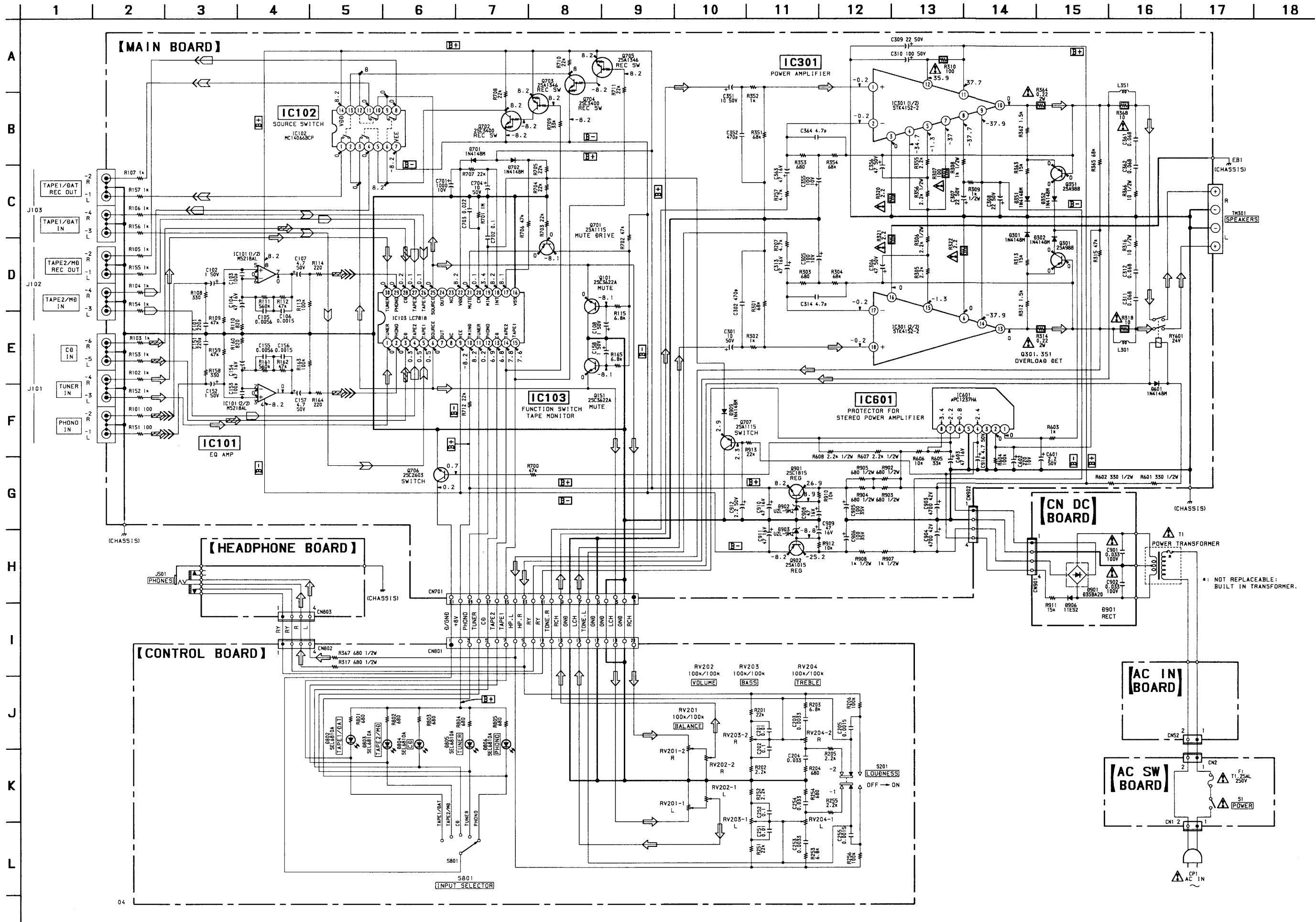
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• IC Block Diagrams

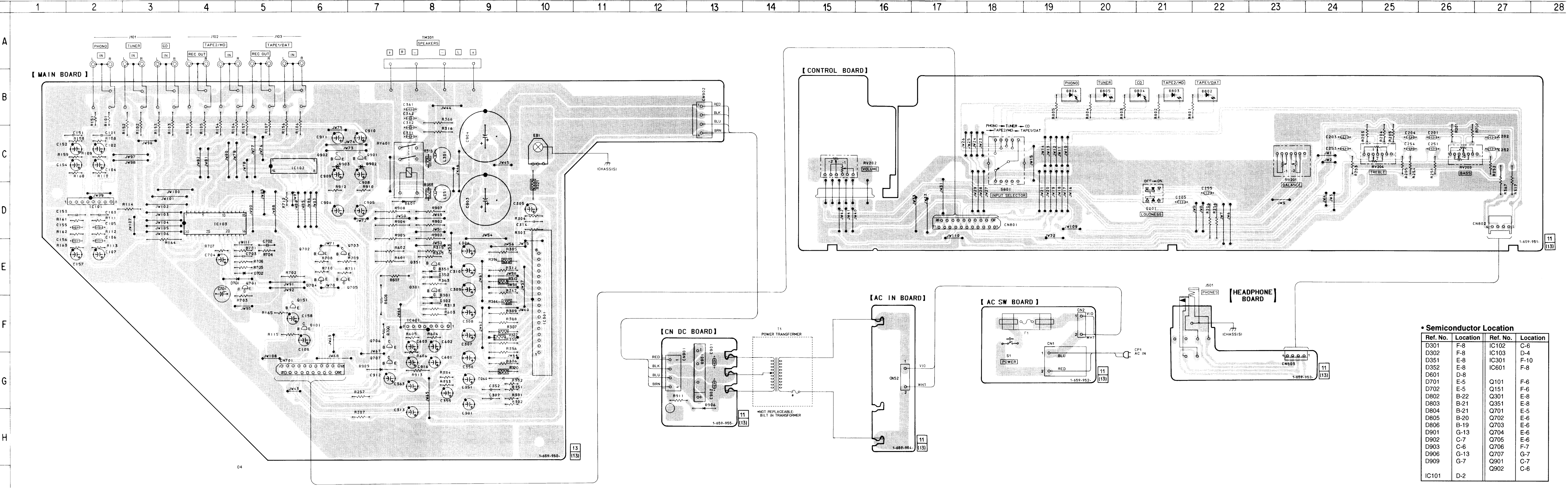


- Note :**
- All capacitors are in μ F unless otherwise noted, pF : μ F 50 WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and 1/4 W or less unless otherwise specified.
- Note :** The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.
- $\square$: nonflammable resistor.
 - $\square$: B+ Line.
 - $\square$: B- Line.
 - Voltage is dc with respect to ground under no-signal conditions.
 - no mark : POWER ON
 - Voltage are taken with a VOM (Input Impedance 10 M Ω).
 - Voltage variations may be noted due to normal production tolerance.
 - Signal path.
 - $\Rightarrow$: FM
 - $\Rightarrow$: PB (TAPE1 / DAT)
 - $\Rightarrow$: REC (TAPE1 / DAT)
 - $\Rightarrow$: PB (TAPE2 / MD)
 - $\Rightarrow$: REC (TAPE2 / MD)
 - $\Rightarrow$: CD
 - $\Rightarrow$: PHONO

3. SCHEMATIC DIAGRAM



4. PRINTED WIRING BOARDS



Semiconductor Location			
Ref. No.	Location	Ref. No.	Location
D301	F-8	IC102	C-6
D302	F-8	IC103	D-4
D351	E-8	IC301	F-10
D352	E-8	IC601	F-8
D601	D-8	Q101	F-6
D701	E-5	Q151	F-6
D702	E-5	Q301	E-8
D802	B-22	Q351	E-8
D803	B-21	Q701	E-5
D804	B-21	Q703	E-6
D805	B-20	Q704	E-6
D806	B-19	Q705	E-6
D901	G-13	Q706	F-7
D902	C-7	Q707	G-7
D903	C-6	Q901	C-7
D906	G-13	Q902	C-6
D909	G-7		
IC101	D-2		

Note:
• : parts extracted from the component side.
• : Pattern on the side which is seen.

5. ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable

- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u : μ , for example:
uA.. : μ A.. uPA.. : μ PA..
uPB.. : μ PB.. uPC.. : μ PC.. uPD.. : μ PD..
- CAPACITORS
uF : μ F
- COILS
uH : μ H

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

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	1-659-954-11	AC IN BOARD *****		C203	1-130-477-00	MYLAR 0.0033uF 5% 50V	
*****				C204	1-136-159-00	FILM 0.033uF 5% 50V	
*	1-659-952-11	AC SW BOARD *****		C205	1-130-473-00	MYLAR 0.0015uF 5% 50V	
	1-533-293-11	HOLDER, FUSE		C251	1-136-153-00	FILM 0.01uF 5% 50V	
		< CONNECTOR >		C252	1-136-165-00	FILM 0.1uF 5% 50V	
* CN1	1-580-230-31	PIN, CONNECTOR (PC BOARD) 2P		C253	1-130-477-00	MYLAR 0.0033uF 5% 50V	
CN2	1-564-321-00	PIN, CONNECTOR 2P		C254	1-136-159-00	FILM 0.033uF 5% 50V	
		< FUSE >		C255	1-130-473-00	MYLAR 0.0015uF 5% 50V	
Δ F1	1-532-502-51	FUSE, TIME LAG (T1.25AL/250V)				< CONNECTOR >	
		< SWITCH >		CN801	1-568-838-11	SOCKET, CONNECTOR 21P	
Δ S1	1-554-920-11	SWITCH, PUSH (AC POWER) (1 KEY) (POWER)		CN802	1-562-087-00	SOCKET, CONNECTOR 4P	
*****						< DIODE >	
*	1-659-955-11	CN DC BOARD *****		D802	8-719-313-50	LED SEL6810A-TH12 (TAPE1/DAT)	
		< CAPACITOR >		D803	8-719-313-50	LED SEL6810A-TH12 (TAPE2/MD)	
Δ C901	1-106-379-12	MYLAR 0.033uF 5% 200V		D804	8-719-313-50	LED SEL6810A-TH12 (CD)	
Δ C902	1-106-379-12	MYLAR 0.033uF 5% 200V		D805	8-719-313-50	LED SEL6810A-TH12 (TUNER)	
		< CONNECTOR >		D806	8-719-313-50	LED SEL6810A-TH12 (PHONO)	
* CN901	1-564-241-11	PIN, CONNECTOR (B4P-VH) 4P				< RESISTOR >	
		< DIODE >		R201	1-249-433-11	CARBON 22K 5% 1/4W	
D901	8-719-028-23	DIODE D3SBA20-4101		R202	1-249-421-11	CARBON 2.2K 5% 1/4W	
D906	8-719-200-82	DIODE 11ES2		R203	1-249-427-11	CARBON 6.8K 5% 1/4W	
		< RESISTOR >		R204	1-249-415-11	CARBON 680 5% 1/4W	
R911	1-249-431-11	CARBON 15K 5% 1/4W		R205	1-249-421-11	CARBON 2.2K 5% 1/4W	
*****				R206	1-249-441-11	CARBON 100K 5% 1/4W	
*	A-4389-375-A	CONTROL BOARD, COMPLETE *****		R251	1-249-433-11	CARBON 22K 5% 1/4W	
		< CAPACITOR >		R252	1-249-421-11	CARBON 2.2K 5% 1/4W	
C201	1-136-153-00	FILM 0.01uF 5% 50V		R253	1-249-427-11	CARBON 6.8K 5% 1/4W	
C202	1-136-165-00	FILM 0.1uF 5% 50V		R254	1-249-415-11	CARBON 680 5% 1/4W	
				R255	1-249-421-11	CARBON 2.2K 5% 1/4W	
				R256	1-249-441-11	CARBON 100K 5% 1/4W	
				R317	1-247-750-11	CARBON 680 5% 1/2W	
				R367	1-247-750-11	CARBON 680 5% 1/2W	
				R801	1-249-415-11	CARBON 680 5% 1/4W	
				R802	1-249-415-11	CARBON 680 5% 1/4W	
				R803	1-249-415-11	CARBON 680 5% 1/4W	
				R804	1-249-415-11	CARBON 680 5% 1/4W	
				R805	1-249-415-11	CARBON 680 5% 1/4W	
						< VARIABLE RESISTOR >	
				RV201	1-223-396-11	RES, VAR, CARBON 100K/100K (BALANCE)	
				RV202	1-241-408-11	RES, VAR, CARBON 100K/100K (VOLUME)	
				RV203	1-223-397-11	RES, VAR, CARBON 100K/100K (BASS)	

CONTROL

HEADPHONE

MAIN

Ref. No.	Part No.	Description	Remark
RV204	1-223-397-11	RES, VAR, CARBON 100K/100K (TREBLE)	
		< SWITCH >	
S201	1-571-112-21	SWITCH, PUSH (1 KEY) (LOUDNESS)	
S801	1-762-626-11	SWITCH, ROTARY (INPUT SELECTOR)	

*	1-659-953-11	HEADPHONE BOARD	

		< CONNECTOR >	
CN803	1-560-941-11	PIN, CONNECTOR 4P	
		< JACK >	
J501	1-774-933-11	JACK (LARGE TYPE) (PHONES)	

*	A-4389-374-A	MAIN BOARD, COMPLETE	

		< CAPACITOR >	
C101	1-162-286-31	CERAMIC 220PF 10% 50V	
C102	1-126-960-11	ELECT 1uF 20% 50V	
C103	1-162-282-31	CERAMIC 100PF 10% 50V	
C104	1-126-967-11	ELECT 47uF 20% 16V	
C105	1-130-480-00	MYLAR 0.0056uF 5% 50V	
C106	1-130-473-00	MYLAR 0.0015uF 5% 50V	
C107	1-126-963-11	ELECT 4.7uF 20% 50V	
C108	1-126-960-11	ELECT 1uF 20% 50V	
C151	1-162-286-31	CERAMIC 220PF 10% 50V	
C152	1-126-960-11	ELECT 1uF 20% 50V	
C153	1-162-282-31	CERAMIC 100PF 10% 50V	
C154	1-126-967-11	ELECT 47uF 20% 16V	
C155	1-130-480-00	MYLAR 0.0056uF 5% 50V	
C156	1-130-473-00	MYLAR 0.0015uF 5% 50V	
C157	1-126-963-11	ELECT 4.7uF 20% 50V	
C158	1-126-960-11	ELECT 1uF 20% 50V	
C301	1-126-964-11	ELECT 10uF 20% 50V	
C302	1-162-290-31	CERAMIC 470PF 10% 50V	
C305	1-126-933-11	ELECT 100uF 20% 10V	
C306	1-126-967-11	ELECT 47uF 20% 50V	
C307	1-126-965-11	ELECT 22uF 20% 50V	
C308	1-126-965-11	ELECT 22uF 20% 50V	
C309	1-126-965-11	ELECT 22uF 20% 50V	
C310	1-126-968-11	ELECT 100uF 20% 50V	
C311	1-136-495-11	FILM 0.068uF 5% 50V	
C312	1-136-495-11	FILM 0.068uF 5% 50V	
C313	1-126-967-11	ELECT 47uF 20% 16V	
C314	1-162-195-31	CERAMIC 4.7PF 10% 50V	
C351	1-126-964-11	ELECT 10uF 20% 50V	
C352	1-162-290-31	CERAMIC 470PF 10% 50V	
C355	1-126-933-11	ELECT 100uF 20% 10V	
C356	1-126-967-11	ELECT 47uF 20% 50V	

Ref. No.	Part No.	Description	Remark
C361	1-136-495-11	FILM 0.068uF 5% 50V	
C362	1-136-495-11	FILM 0.068uF 5% 50V	
C363	1-126-967-11	ELECT 47uF 20% 16V	
C364	1-162-195-31	CERAMIC 4.7PF 10% 50V	
C601	1-126-961-11	ELECT 2.2uF 20% 50V	
C602	1-126-923-11	ELECT 220uF 20% 10V	
C603	1-126-967-11	ELECT 47uF 20% 16V	
C701	1-126-926-11	ELECT 1000uF 20% 10V	
C702	1-164-159-11	CERAMIC 0.1uF 50V	
C703	1-161-494-00	CERAMIC 0.022uF 25V	
C704	1-126-964-11	ELECT 10uF 20% 50V	
C903	1-126-224-11	ELECT 4700uF 20% 42V	
C904	1-126-224-11	ELECT 4700uF 20% 42V	
C905	1-126-948-11	ELECT 100uF 20% 35V	
C906	1-126-948-11	ELECT 100uF 20% 35V	
C908	1-126-967-11	ELECT 47uF 20% 16V	
C909	1-126-967-11	ELECT 47uF 20% 16V	
C910	1-126-967-11	ELECT 47uF 20% 16V	
C911	1-126-967-11	ELECT 47uF 20% 16V	
C912	1-126-961-11	ELECT 2.2uF 20% 50V	
C916	1-126-963-11	ELECT 4.7uF 20% 50V	
		< CONNECTOR >	
CN701	1-568-838-11	SOCKET, CONNECTOR 21P	
* CN902	1-564-241-11	PIN, CONNECTOR (B4P-VH) 4P	
		< DIODE >	
D301	8-719-987-63	DIODE 1N4148M	
D302	8-719-987-63	DIODE 1N4148M	
D351	8-719-987-63	DIODE 1N4148M	
D352	8-719-987-63	DIODE 1N4148M	
D601	8-719-987-63	DIODE 1N4148M	
D701	8-719-987-63	DIODE 1N4148M	
D702	8-719-987-63	DIODE 1N4148M	
D902	8-719-001-15	DIODE UZL-9M2	
D903	8-719-001-15	DIODE UZL-9M2	
D909	8-719-987-63	DIODE 1N4148M	
		< EARTH TERMINAL >	
* EB1	1-537-738-21	TERMINAL, EARTH	
		< IC >	
IC101	8-759-184-02	IC NJM2068L-D	
IC102	8-759-000-49	IC MC14066BCP	
IC103	8-759-802-52	IC LC7818	
IC301	8-749-941-52	IC STK-4152II	
IC601	8-759-111-68	IC uPC1237HA	
		< JACK >	
J101	1-774-411-11	JACK, PIN 6P (PHONO,TUNER,CD)	
J102	1-695-188-31	JACK, PIN 4P (TAPE2/MD)	
J103	1-695-188-31	JACK, PIN 4P (TAPE1/DAT)	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< COIL >					
L301	1-420-872-00	COIL, AIR-CORE		R301	1-249-439-11	CARBON 68K 5%	1/4W
L351	1-420-872-00	COIL, AIR-CORE		R302	1-249-417-11	CARBON 1K 5%	1/4W
		< TRANSISTOR >		R303	1-249-415-11	CARBON 680 5%	1/4W
Q101	8-729-141-26	TRANSISTOR 2SC3622A-LK		R304	1-249-439-11	CARBON 68K 5%	1/4W
Q151	8-729-141-26	TRANSISTOR 2SC3622A-LK		R305	1-249-421-11	CARBON 2.2K 5%	1/4W
Q301	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R306	1-260-103-11	CARBON 2.2K 5%	1/2W
Q351	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		△ R307	1-249-405-11	CARBON 100 5%	1/4W F
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE		R308	1-260-099-11	CARBON 1K 5%	1/2W
Q702	8-729-900-36	TRANSISTOR DTC124ES		R309	1-260-099-11	CARBON 1K 5%	1/2W
Q703	8-729-900-63	TRANSISTOR DTA124ES		△ R310	1-249-405-11	CARBON 100 5%	1/4W F
Q704	8-729-900-36	TRANSISTOR DTC124ES		R312	1-249-419-11	CARBON 1.5K 5%	1/4W
Q705	8-729-900-63	TRANSISTOR DTA124ES		R313	1-249-431-11	CARBON 15K 5%	1/4W
Q706	8-729-620-05	TRANSISTOR 2SC2603-EF		△ R314	1-217-151-00	METAL PLATE 0.22	2W F
Q707	8-729-119-76	TRANSISTOR 2SA1175-HFE		R315	1-249-437-11	CARBON 47K 5%	1/4W
Q901	8-729-281-54	TRANSISTOR 2SC1815-BL		R316	1-247-727-11	CARBON 10 5%	1/2W
Q902	8-729-201-53	TRANSISTOR 2SA1015-GR		△ R318	1-249-393-11	CARBON 10 5%	1/4W F
		< RESISTOR >		△ R320	1-249-385-11	CARBON 2.2 5%	1/6W F
R101	1-247-807-31	CARBON 100 5%	1/4W	△ R321	1-249-385-11	CARBON 2.2 5%	1/6W F
R102	1-249-417-11	CARBON 1K 5%	1/4W	△ R322	1-249-385-11	CARBON 2.2 5%	1/6W F
R103	1-249-417-11	CARBON 1K 5%	1/4W	R351	1-249-439-11	CARBON 68K 5%	1/4W
R104	1-249-417-11	CARBON 1K 5%	1/4W	R352	1-249-417-11	CARBON 1K 5%	1/4W
R105	1-249-417-11	CARBON 1K 5%	1/4W	R353	1-249-415-11	CARBON 680 5%	1/4W
R106	1-249-417-11	CARBON 1K 5%	1/4W	R354	1-249-439-11	CARBON 68K 5%	1/4W
R107	1-249-417-11	CARBON 1K 5%	1/4W	R355	1-249-421-11	CARBON 2.2K 5%	1/4W
R108	1-249-411-11	CARBON 330 5%	1/4W	R356	1-260-103-11	CARBON 2.2K 5%	1/2W
R109	1-249-437-11	CARBON 47K 5%	1/4W	R362	1-249-419-11	CARBON 1.5K 5%	1/4W
R110	1-249-416-11	CARBON 820 5%	1/4W	R363	1-249-431-11	CARBON 15K 5%	1/4W
R111	1-247-897-11	CARBON 560K 5%	1/4W	△ R364	1-217-151-00	METAL PLATE 0.22	2W F
R112	1-249-437-11	CARBON 47K 5%	1/4W	R365	1-249-439-11	CARBON 68K 5%	1/4W
R113	1-249-441-11	CARBON 100K 5%	1/4W	R366	1-247-727-11	CARBON 10 5%	1/2W
R114	1-249-409-11	CARBON 220 5%	1/4W	△ R368	1-249-393-11	CARBON 10 5%	1/4W F
R115	1-249-427-11	CARBON 6.8K 5%	1/4W	R601	1-247-745-11	CARBON 330 5%	1/2W
R151	1-247-807-31	CARBON 100 5%	1/4W	R602	1-247-745-11	CARBON 330 5%	1/2W
R152	1-249-417-11	CARBON 1K 5%	1/4W	R603	1-249-417-11	CARBON 1K 5%	1/4W
R153	1-249-417-11	CARBON 1K 5%	1/4W	R604	1-249-441-11	CARBON 100K 5%	1/4W
R154	1-249-417-11	CARBON 1K 5%	1/4W	R605	1-249-435-11	CARBON 33K 5%	1/4W
R155	1-249-417-11	CARBON 1K 5%	1/4W	R606	1-249-429-11	CARBON 10K 5%	1/4W
R156	1-249-417-11	CARBON 1K 5%	1/4W	R607	1-247-756-11	CARBON 2.2K 5%	1/2W
R157	1-249-411-11	CARBON 330 5%	1/4W	R608	1-247-756-11	CARBON 2.2K 5%	1/2W
R158	1-249-411-11	CARBON 330 5%	1/4W	R700	1-249-437-11	CARBON 47K 5%	1/4W
R159	1-249-437-11	CARBON 47K 5%	1/4W	R701	1-247-903-00	CARBON 1M 5%	1/4W
R160	1-249-416-11	CARBON 820 5%	1/4W	R702	1-249-437-11	CARBON 47K 5%	1/4W
R161	1-247-897-11	CARBON 560K 5%	1/4W	R703	1-249-433-11	CARBON 22K 5%	1/4W
R162	1-249-437-11	CARBON 47K 5%	1/4W	R704	1-249-433-11	CARBON 22K 5%	1/4W
R163	1-249-441-11	CARBON 100K 5%	1/4W	R705	1-249-433-11	CARBON 22K 5%	1/4W
R164	1-249-409-11	CARBON 220 5%	1/4W	R706	1-249-437-11	CARBON 47K 5%	1/4W
R165	1-249-427-11	CARBON 6.8K 5%	1/4W	R707	1-249-433-11	CARBON 22K 5%	1/4W
R207	1-249-425-11	CARBON 4.7K 5%	1/4W	R708	1-249-433-11	CARBON 22K 5%	1/4W
R257	1-249-425-11	CARBON 4.7K 5%	1/4W	R709	1-249-435-11	CARBON 33K 5%	1/4W
				R710	1-249-433-11	CARBON 22K 5%	1/4W
				R711	1-249-433-11	CARBON 22K 5%	1/4W
				R712	1-249-433-11	CARBON 22K 5%	1/4W
				R902	1-247-750-11	CARBON 680 5%	1/2W

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

MAIN

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>		
R903	1-247-750-11	CARBON	680	5%	1/2W
R904	1-247-750-11	CARBON	680	5%	1/2W
R905	1-247-750-11	CARBON	680	5%	1/2W
R907	1-247-752-11	CARBON	1K	5%	1/2W
R908	1-247-752-11	CARBON	1K	5%	1/2W
< RELAY >					
RY601	1-515-920-11	RELAY (24V)			
< TERMINAL >					
TM301	1-537-238-11	TERMINAL BOARD (SPEAKERS)			

3. SCHEMATIC DIAGRAM

4. PRINTED WIRING BOARDS

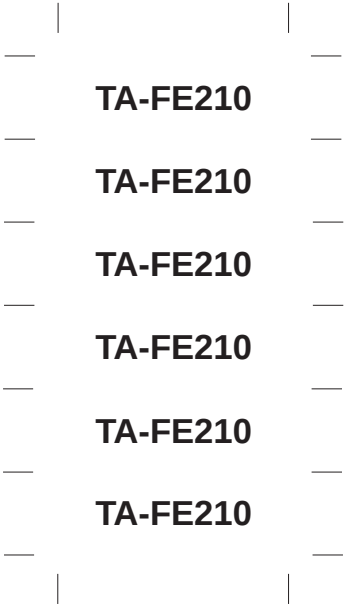
• IC Block Diagrams

IC103 LC7818

IC601 μPC1237HA

• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D301	F-8	IC102	C-6
D302	F-8	IC103	D-4
D351	E-8	IC301	F-10
D352	E-8	IC601	F-8
D601	D-8		
D701	E-5	Q101	F-6
D702	E-5	Q151	F-6
D802	B-22	Q301	E-8
D803	B-21	Q351	E-8
D804	B-21	Q701	E-5
D805	B-20	Q702	E-6
D806	B-19	Q703	E-6
D901	G-13	Q704	E-6
D902	C-7	Q705	E-6
D903	C-6	Q706	F-7
D906	G-13	Q707	G-7
D909	G-7	Q901	C-7
		Q902	C-6
IC101	D-2		



S1

7



Note :

- All capacitors are in μF unless otherwise noted. pF : μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.

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

-  : nonflammable resistor.
-  : B+ Line.
-  : B- Line.
- Voltage is dc with respect to ground under no-signal conditions.
- no mark : POWER ON
- Voltage are taken with a VOM (Input Impedance 10 MΩ). Voltage variations may be noted due to normal production tolerance.
- Signal path.
 -  : FM
 -  : PB (TAPE1 / DAT)
 -  : REC (TAPE1 / DAT)
 -  : PB (TAPE2 / MD)
 -  : REC (TAPE2 / MD)
 -  : CD
 -  : PHONO

Note :

-  : parts extracted from the component side.
-  : Pattern on the side which is seen.