

DXA-WZ5

SERVICE MANUAL

Ver 1.0 2003. 04

*AEP Model
UK Model
E Model
Australian Model*



- DXA-WZ5 is deck and amplifier section in MHC-WZ5.

Tape deck	Model Name Using Similar Mechanism	NEW
Section	Tape Transport Mechanism Type	CWM43RR23

SPECIFICATIONS

Amplifier section

European model:

DIN power output (rated): 75 + 75 watts (6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference):
100 + 100 watts (6 ohms at 1 kHz, 10% THD)

Music power output (reference):
200 + 200 watts (6 ohms at 1 kHz, 10% THD)

Except for European model:

The following measured at AC 120, 220, 240 V AC, 50/60 Hz (Australian model at 240 V AC, 50/60 Hz)

DIN power output (rated): 100 + 100 watts (6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference):
140 + 140 watts (6 ohms at 1 kHz, 10% THD)

Inputs

MD (VIDEO) IN (phono jacks):
Voltage 450 mV/250 mV,
impedance 47 kilohms

Outputs

PHONES (stereo mini jack):

Accepts headphones of
8 ohms or more

MD (VIDEO) OUT (phono jacks):

Voltage 250 mV,
impedance 1 kilohms
Use only the supplied
speaker SS-WZ5/WZ5E
SUB WOOFER (Except for European model):
Voltage 320mV,
impedance 1 kilohms

FRONT SPEAKER:

Tape deck section

Recording system

4-track 2-channel, stereo
50 – 13,000 Hz (± 3 dB),
using Sony TYPE I
cassettes

Frequency response

General

Power requirements

European model: 230 V AC, 50/60 Hz
Australian model: 230 – 240 V AC, 50/60 Hz
TW model: 120 V AC, 50/60 Hz
Other models: 120 V, 220 V or
230 – 240 V AC, 50/60 Hz
Adjustable with voltage
selector

Power consumption

European model: 150 watts
0.3 watts (at the Power
Saving Mode)

Except for European model:

180 watts

Dimensions (w/h/d)

Amplifier/Tape deck: Approx. 255 × 135 ×
330 mm

Mass

Amplifier/Tape deck

European model: Approx. 6.0 kg
Except for European model:
Approx. 6.3 kg

Design and specifications are subject to change
without notice.

STEREO CASSETTE DECK AMPLIFIER

9-877-330-01
2003D1600-1
© 2003.04

Sony Corporation
Home Audio Company
Published by Sony Engineering Corporation

SONY®

[When bringing in the equipment for service]
In case of repairing, please bring the entire system set([HCD-WZ5, DXA-WZ5],except for the speaker) to the service station.

Unleaded solder
Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)



: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40°C higher than ordinary solder.
Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
Soldering irons using a temperature regulator should be set to about 350°C.
Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK  OR DOTTED LINE WITH MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

TABLE OF CONTENTS

1. GENERAL 3

2. DISASSEMBLY 5

2-1. Case 5

2-2. Switching Power, DC Fan, Back Panel 6

2-3. MAIN Board 6

2-4. AMP Board 7

2-5. Front Panel Assy 7

2-6. Tape mechanism deck (CWM43RR23) 8

2-7. Lid (TC) Assy, Holder (A) Assy, Holder (B) Assy 8

3. ELECTRICAL ADJUSTMENTS 9

4. DIAGRAMS 10

4-1. Block Diagrams - Main Section - 11

4-2. Printed Wiring Board - MAIN Board - 12

4-3. Schematic Diagram - MAIN Board (1/2) - 13

4-3. Schematic Diagram - MAIN Board (2/2) - 14

4-4. Printed Wiring Board - AMP Board - 15

4-5. Schematic Diagram - AMP Board - 16

5. EXPLODED VIEWS 17

5-1. Front Panel Section 17

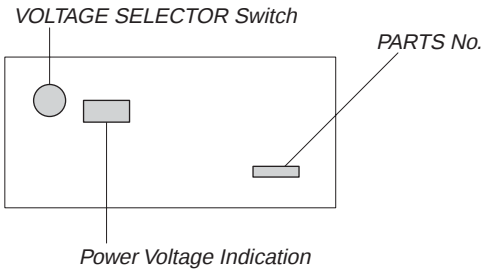
5-2. Chassis Section 18

5-3. Tape Mechanism Deck Section 19

6. ELECTRICAL PARTS LIST 20

MODEL IDENTIFICATION

— BACK PANEL —



MODEL	PARTS No.	POWER VOLTAGE INDICATION
AEP, UK models	4-244-468-0□	AC: 230V 50/60HZ
E2 model	4-244-468-1□	AC: 120V 60HZ
E3 model	4-244-468-1□	AC: 240V 50HZ
AUS model	4-244-468-3□	AC: 230-240V 50/60HZ
KR model	4-244-468-9□	AC: 220V 50/60HZ
TW model	4-244-468-8□	AC: 120V 50/60HZ

- Abbreviation
 - AUS : Australian model
 - E2 : 120V AC Area in E model
 - E3 : 240V AC Area in E model
 - KR : Korean model
 - TW : Taiwan model

This section is extracted
from instruction manual.

Main unit

ALPHABETICAL ORDER

A – L

Deck A 26

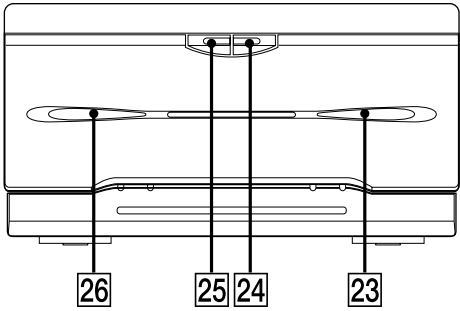
Deck B 23

BUTTON DESCRIPTIONS

A ▲ (eject) 25 (15)

▲ B (eject) 24 (15)

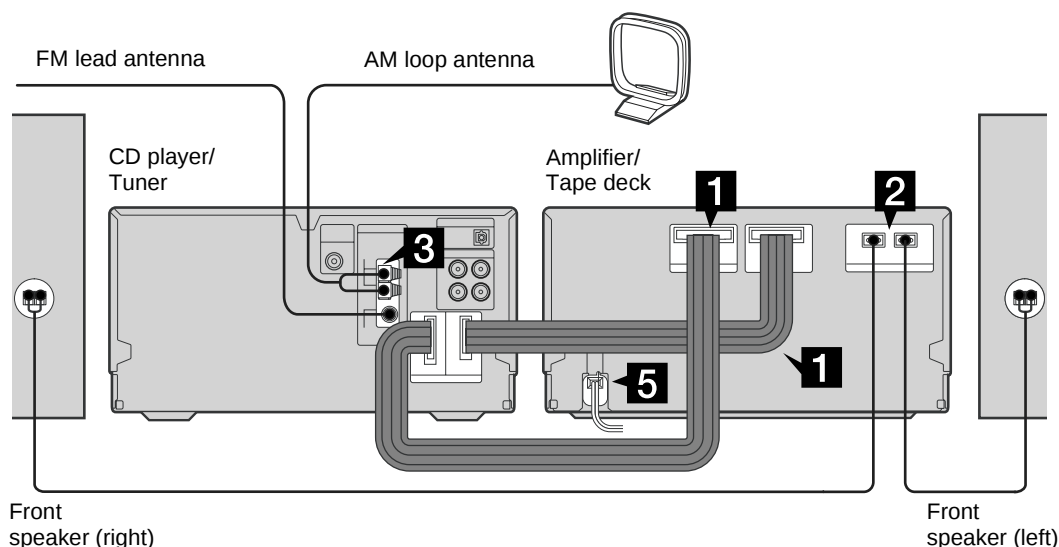
Amplifier Tape deck



Getting Started

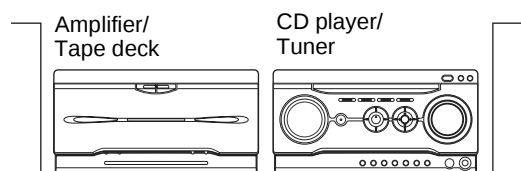
Hooking up the system

Perform the following procedures **1** to **5** to hook up your system using the supplied cords and accessories. Australian model is used for illustration purpose.



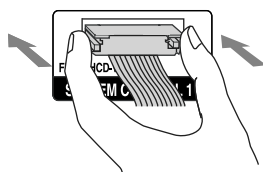
Preparation

Place the components as shown below.



1 Connect the system control cables to the SYSTEM CONTROL connectors on the tape deck.

Connect to the same numbered jack in the order indicated on the rear panel.

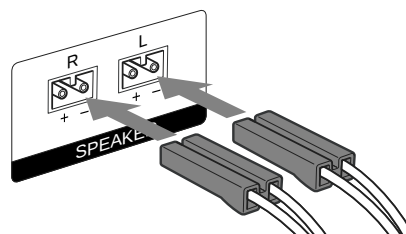


Note

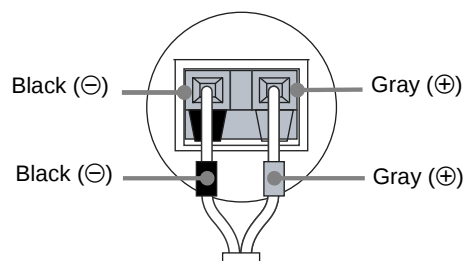
The system cable is used to send signals and electricity between the components for interlinked operation. Be sure to insert the connector horizontally until it clicks into place. Otherwise the system will not operate correctly.

2 Connect the speakers.

Connect the speaker cords to the SPEAKER terminals on the tape deck and to the terminals on the speakers as shown below.

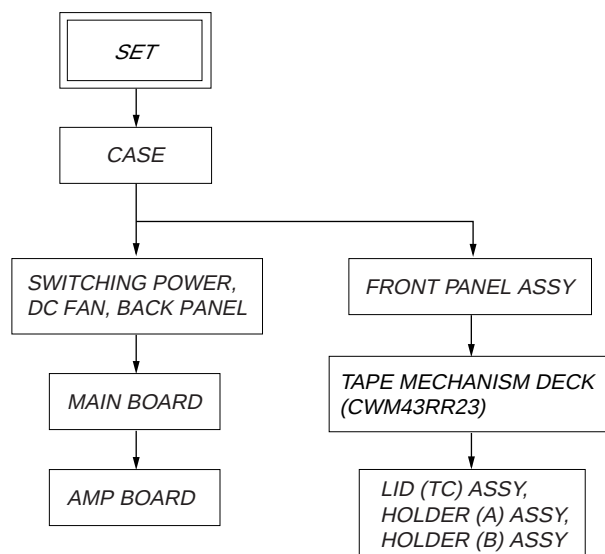


Speakers



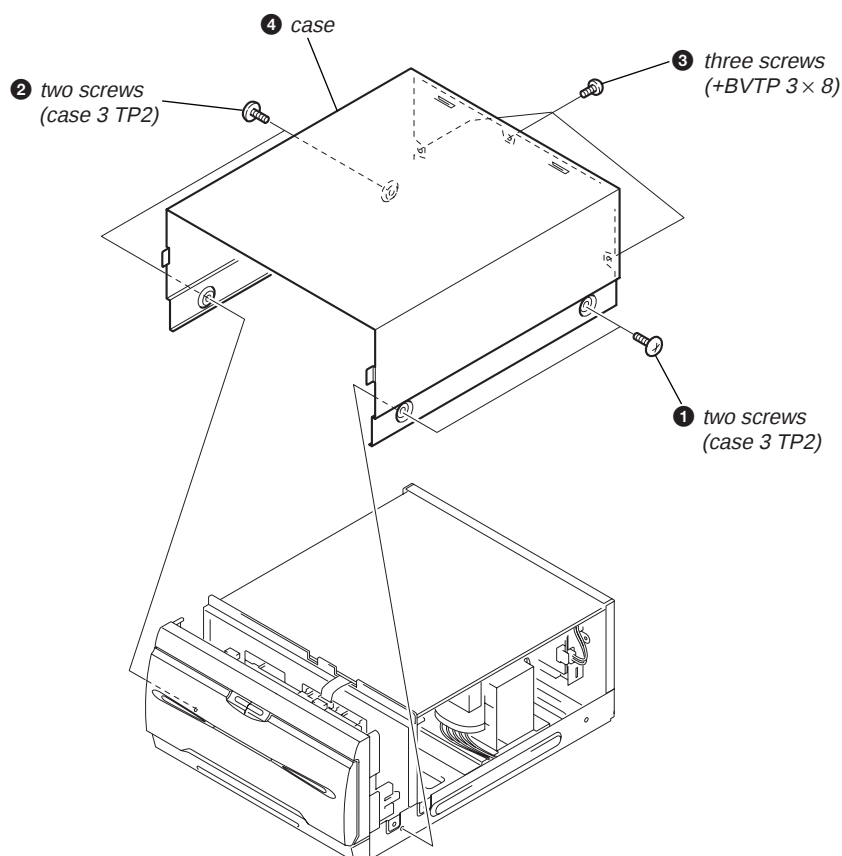
SECTION 2 DISASSEMBLY

- The equipment can be removed using the following procedure.

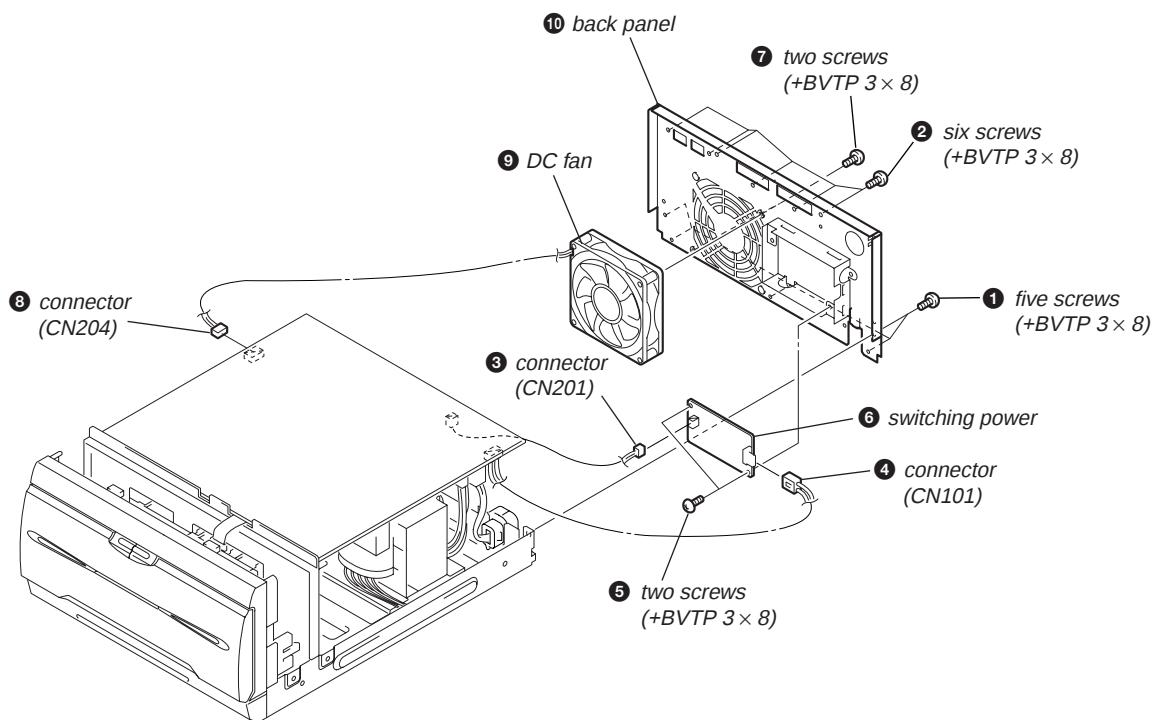


Note : Follow the disassembly procedure in the numerical order given.

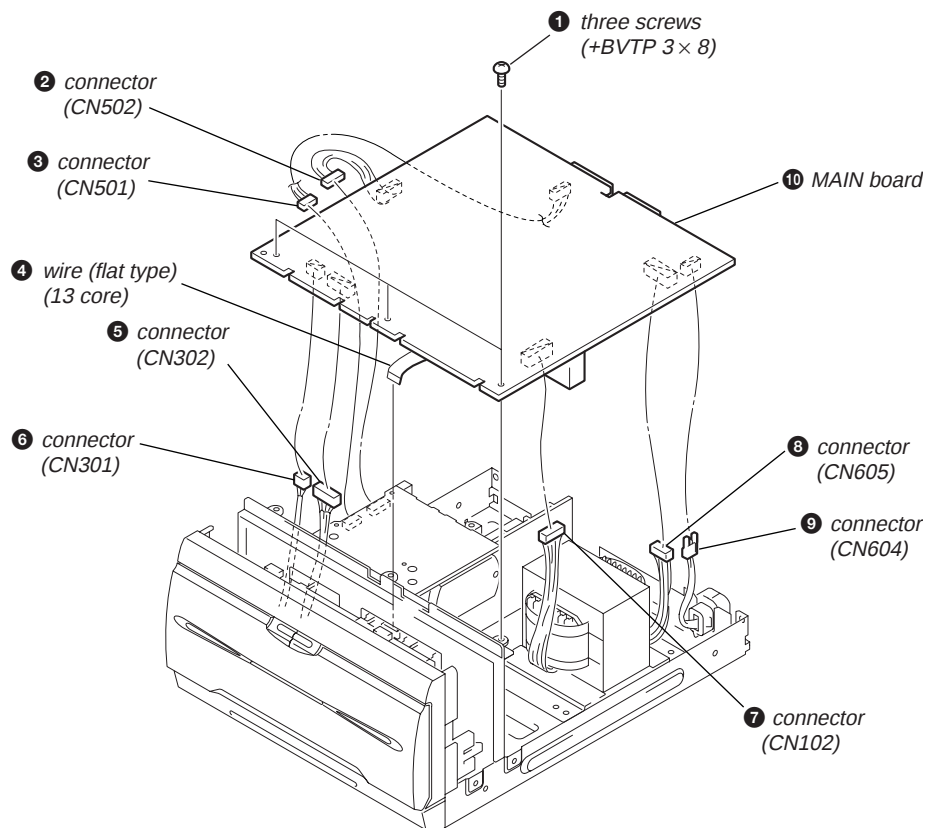
2-1. Case



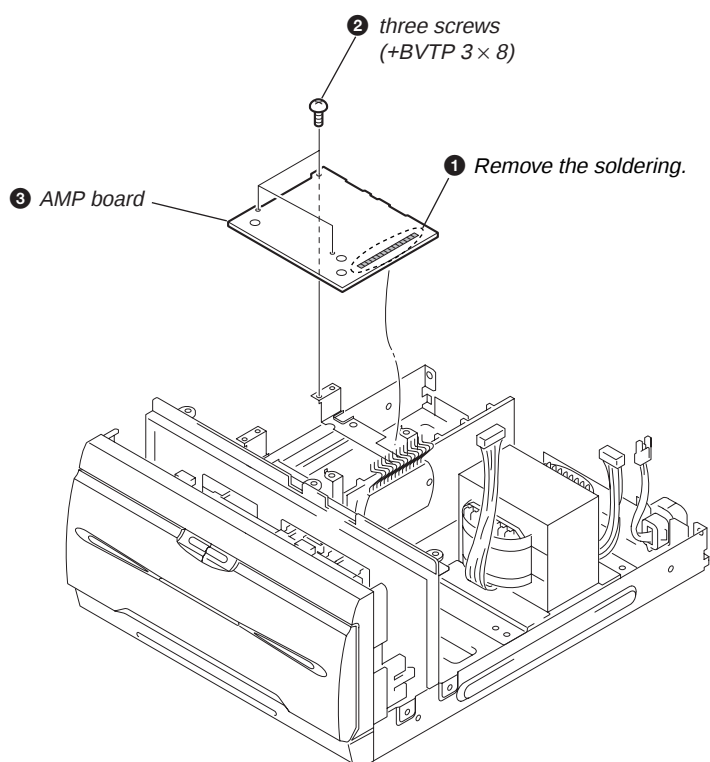
2-2. Switching Power, DC Fan, Back Panel



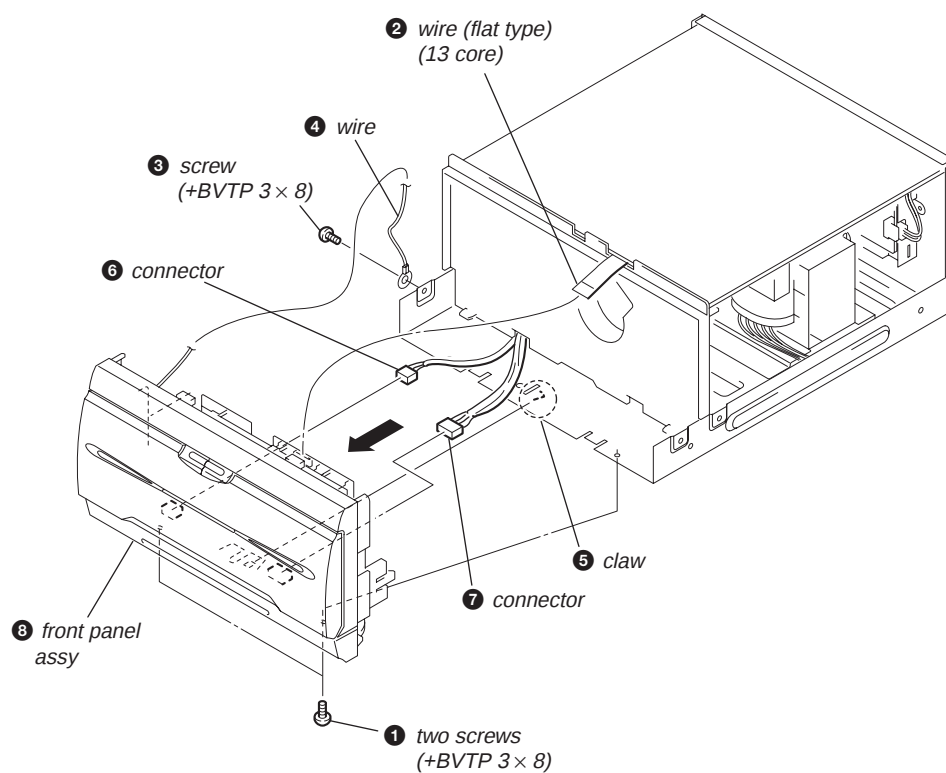
2-3. MAIN Board



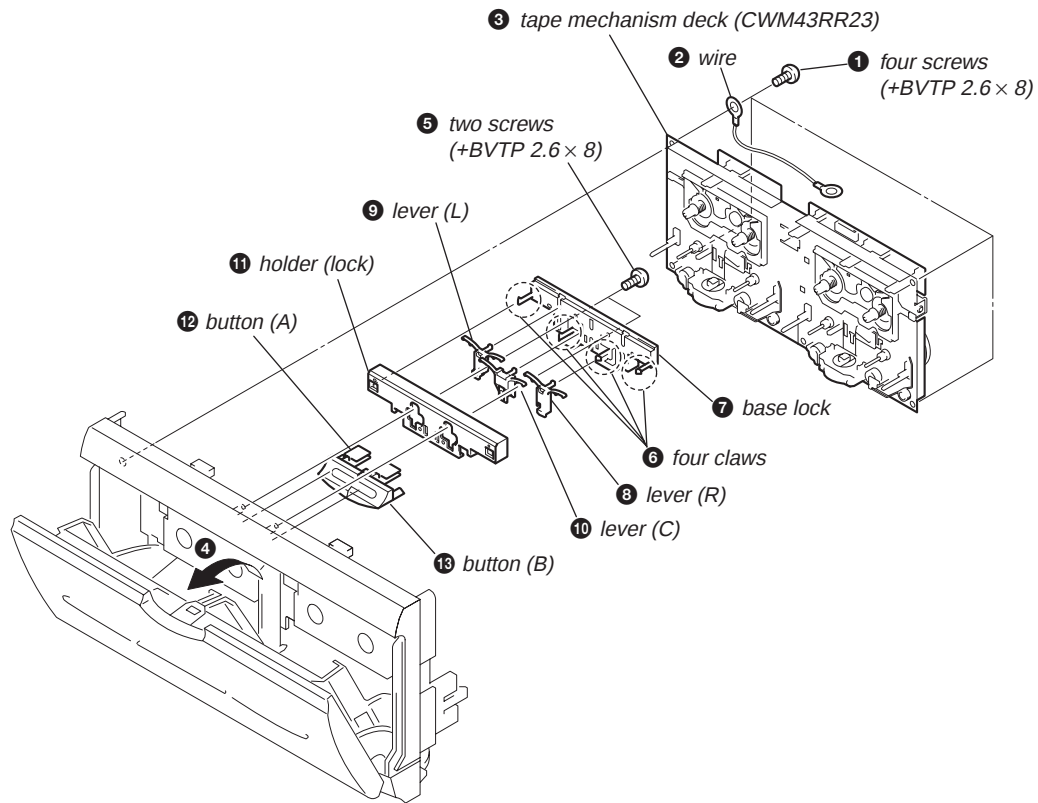
2-4. AMP Board



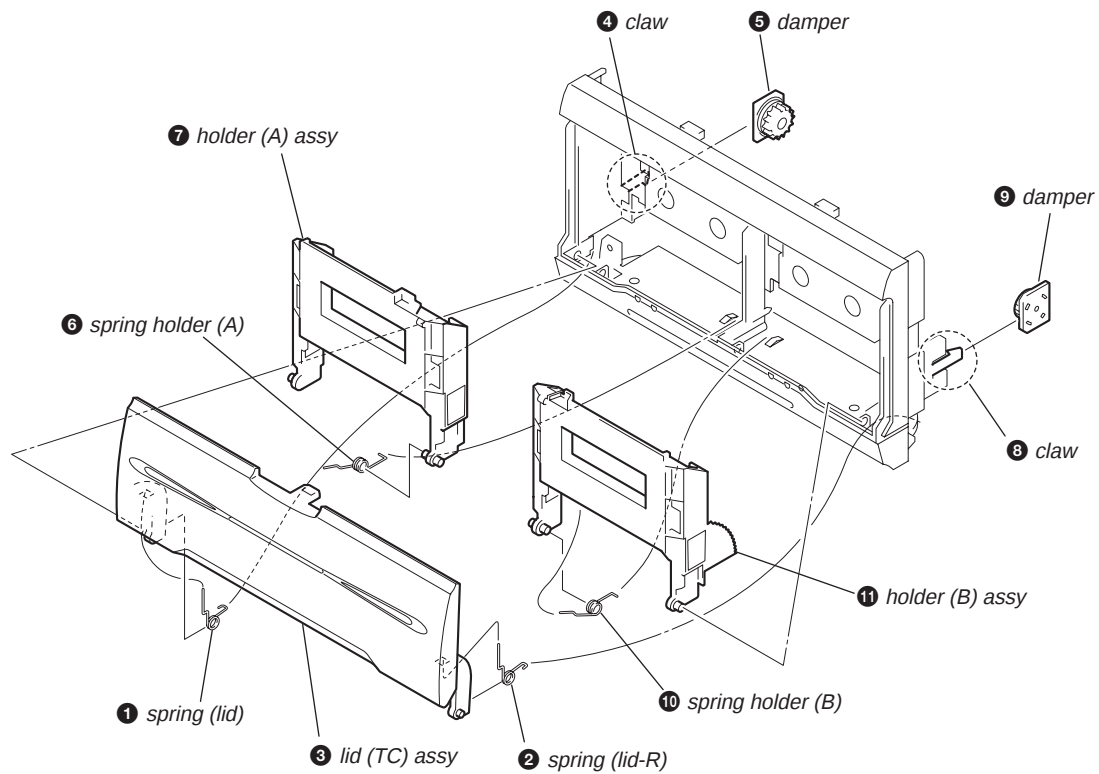
2-5. Front Panel Assy



2-6. Tape mechanism deck (CWM43RR23)



2-7. Lid (TC) Assy, Holder (A) Assy, Holder (B) Assy



SECTION 3 ELECTRICAL ADJUSTMENTS

DECK SECTION

0 dB=0.775 V

Note: Confirm each contents of this section first of all. If the results are not satisfied, do the adjustment.

1. Demagnetize the record/playback head with a head demagnetizer.
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjust.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual.
6. The adjustments should be performed for both L-CH and R-CH.
7. Switches and controls should be set as follows unless otherwise specified.

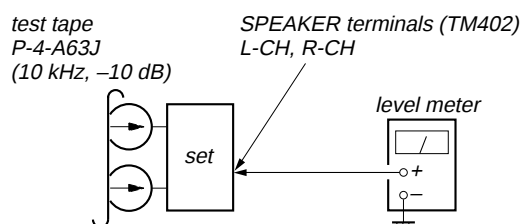
• Test Tape

Tape	Signal	Used for
P-4-A63J	10 kHz, -10 dB	Azimuth Adjustment

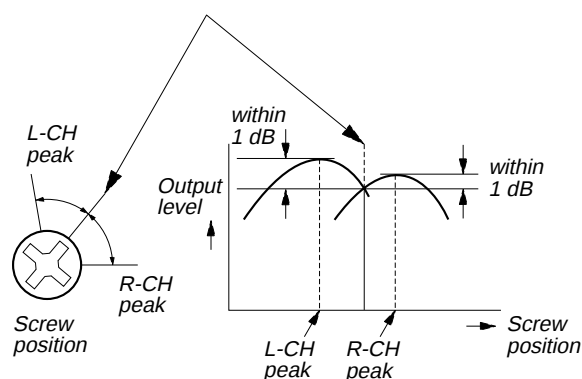
Record/Playback Head Azimuth Adjustment

Procedure:

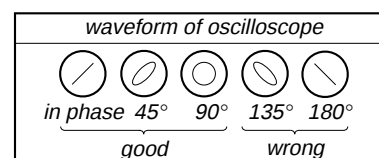
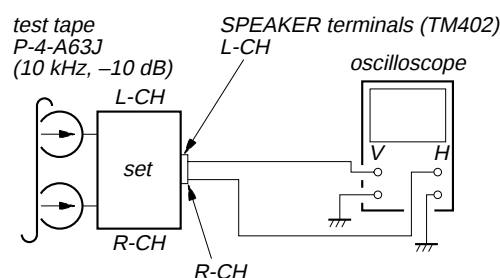
1. Mode: Playback



2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1dB of peak.



3. Mode: Playback



4. Repeat step 1 to 3 in playback (REV) mode.
5. After the adjustments, apply suitable locking compound to the parts adjusted.

SECTION 4 DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF : $\mu\mu\text{F}$
50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- Δ : internal component.
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.

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

-  : B+ Line.
-  : B- Line.
-  : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (Input impedance $10\text{ M}\Omega$). Voltage variations may be noted due to normal production tolerances.
no mark : FM
() : CD
[] : TAPE
- Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- **Signal path.**
 : FM
 : PB (TAPE)
 : REC (TAPE)
 : CD
- **Abbreviation**
AUS : Australian model
E2 : 120V AC Area in E model
E3 : 240V AC Area in E model
KR : Korean model
TW : Taiwan model

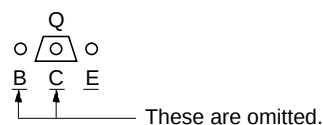
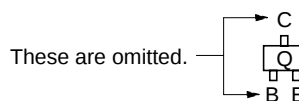
Note on Printed Wiring Boards:

-  : parts extracted from the component side.
-  : parts extracted from the conductor side.
-  : Pattern from the side which enables seeing.

Caution:

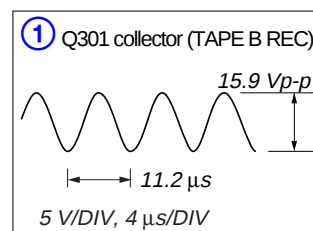
Pattern face side: Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: Parts on the parts face side seen from the parts face are indicated.

- Indication of transistor.

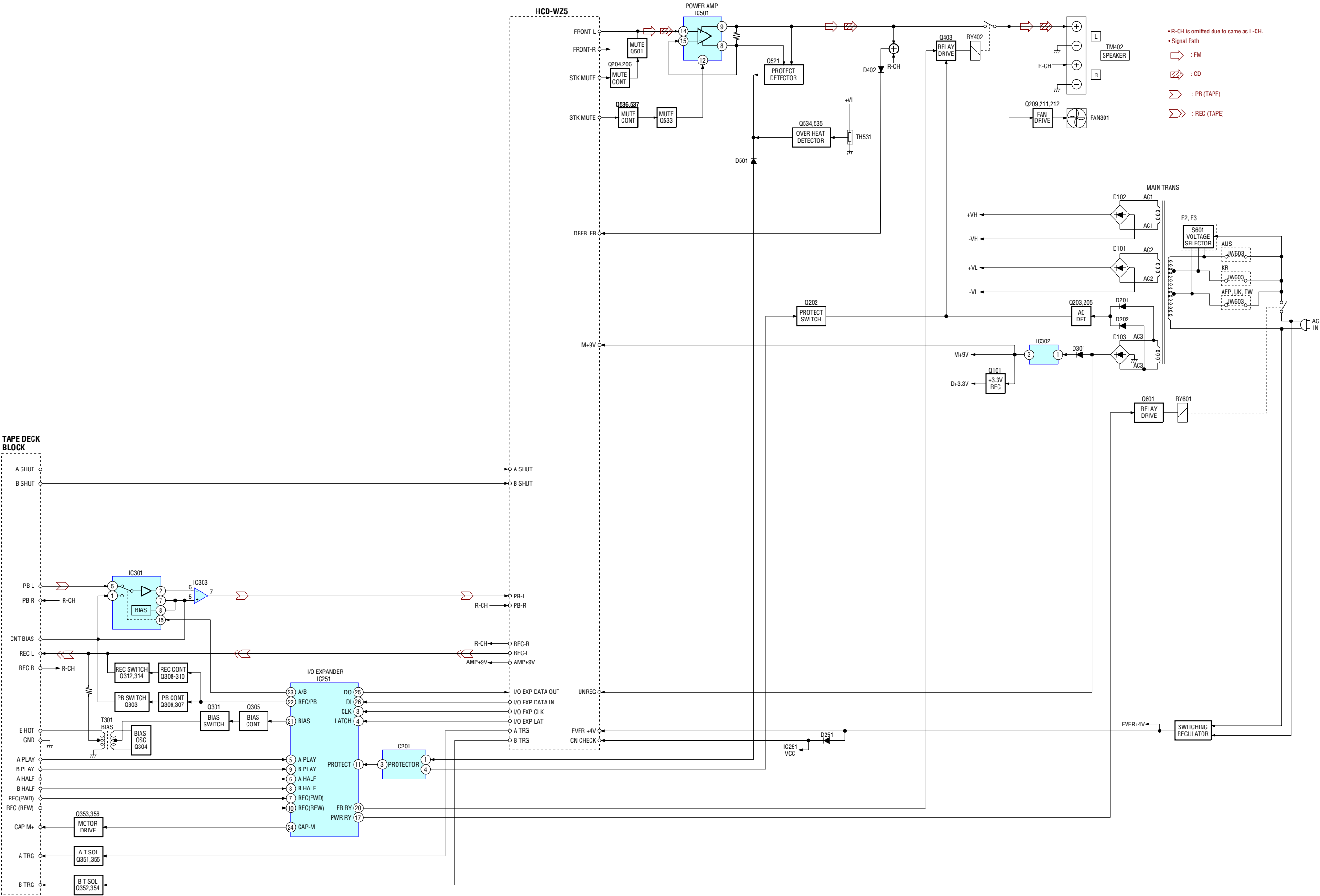


• WAVEFORMS

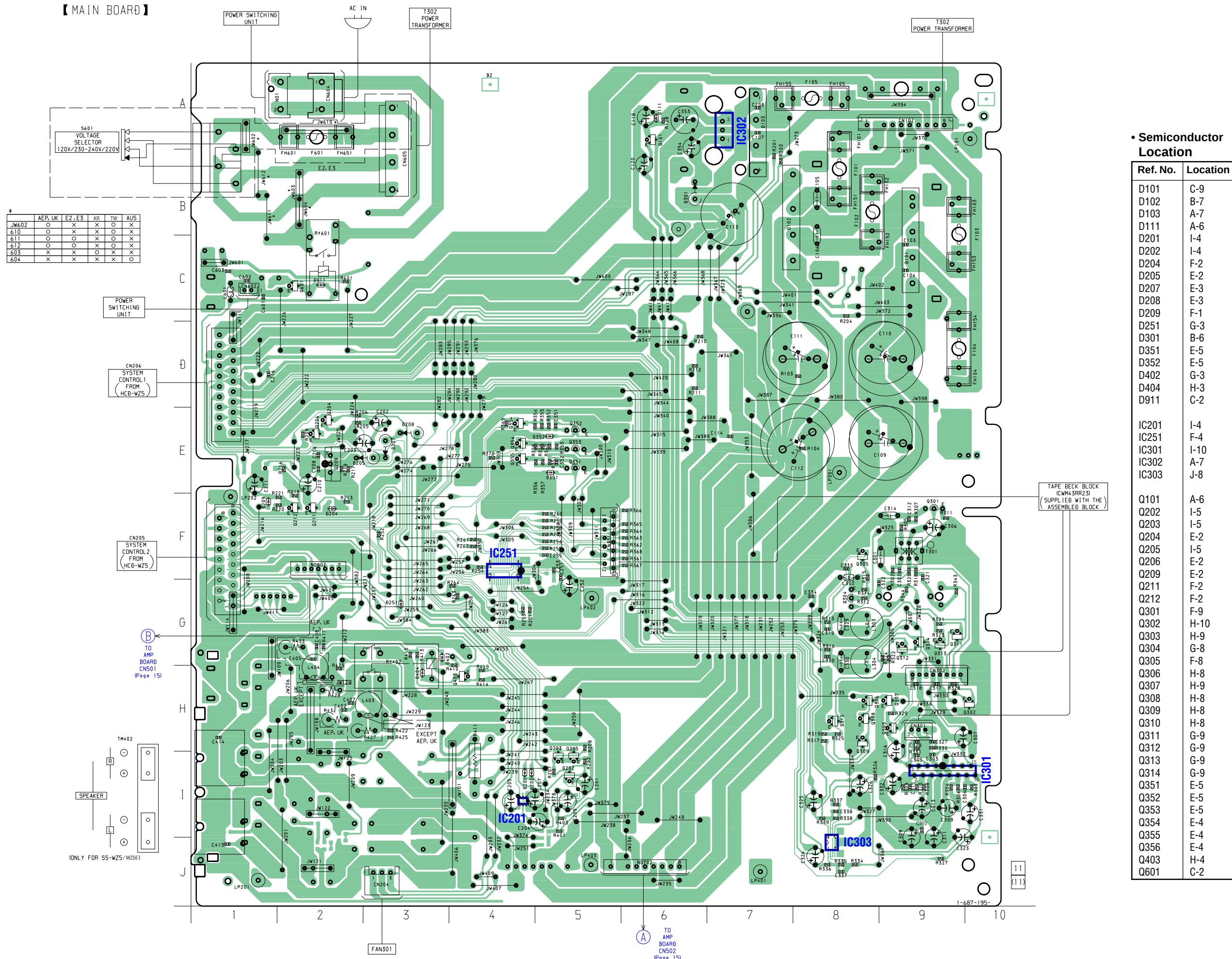
– TC MAIN Board –



4-1. Block Diagrams – Main Section –



4-2. Printed Wiring Board – MAIN Board – • : Uses unleaded solder.



• Semiconductor Location

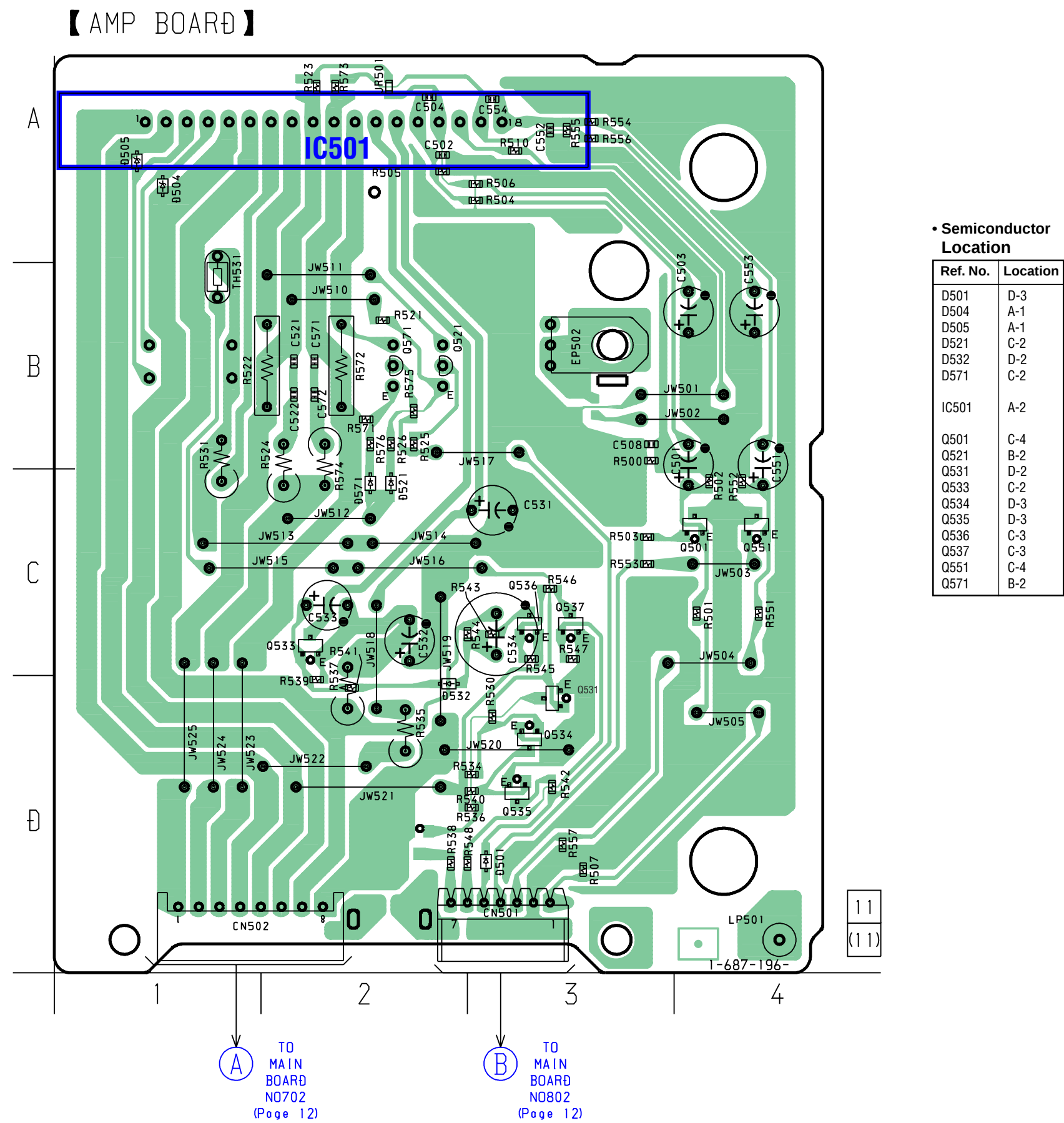
Ref. No.	Location
D101	C-9
D102	B-7
D103	A-7
D111	A-6
D201	I-4
D202	I-4
D204	F-2
D205	E-2
D207	E-3
D208	E-3
D209	F-1
D251	G-3
D301	B-6
D351	E-5
D352	E-5
D402	G-3
D404	H-3
D911	C-2
IC201	I-4
IC251	F-4
IC301	I-10
IC302	A-7
IC303	J-8
Q101	A-6
Q202	I-5
Q203	I-5
Q204	E-2
Q205	I-5
Q206	E-2
Q209	E-2
Q211	F-2
Q212	F-2
Q301	F-9
Q302	H-10
Q303	H-9
Q304	G-8
Q305	F-8
Q306	H-8
Q307	H-9
Q308	H-8
Q309	H-8
Q310	H-8
Q311	G-9
Q312	G-9
Q313	G-9
Q314	G-9
Q351	E-5
Q352	E-5
Q353	E-5
Q354	E-4
Q355	E-4
Q356	E-4
Q403	H-4
Q601	C-2



– MAIN Board (2/2) –



4-4. Printed Wiring Board – AMP Board – •  : Uses unleaded solder.





SECTION 5 EXPLODED VIEWS

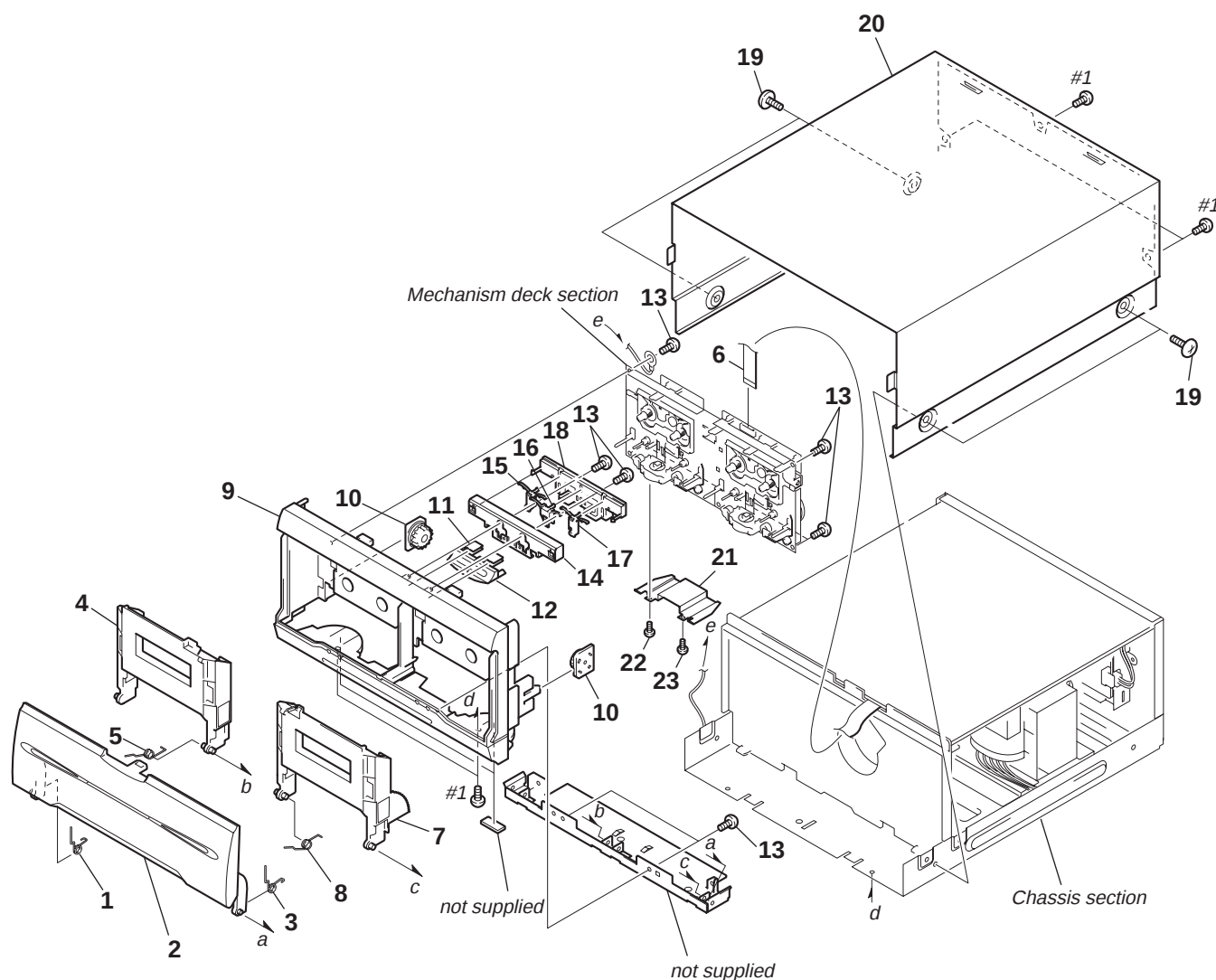
NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation
 AUS : Australian model
 E2 : 120V AC Area in E model
 E3 : 240V AC Area in E model
 KR : Korean model
 TW : Taiwan model

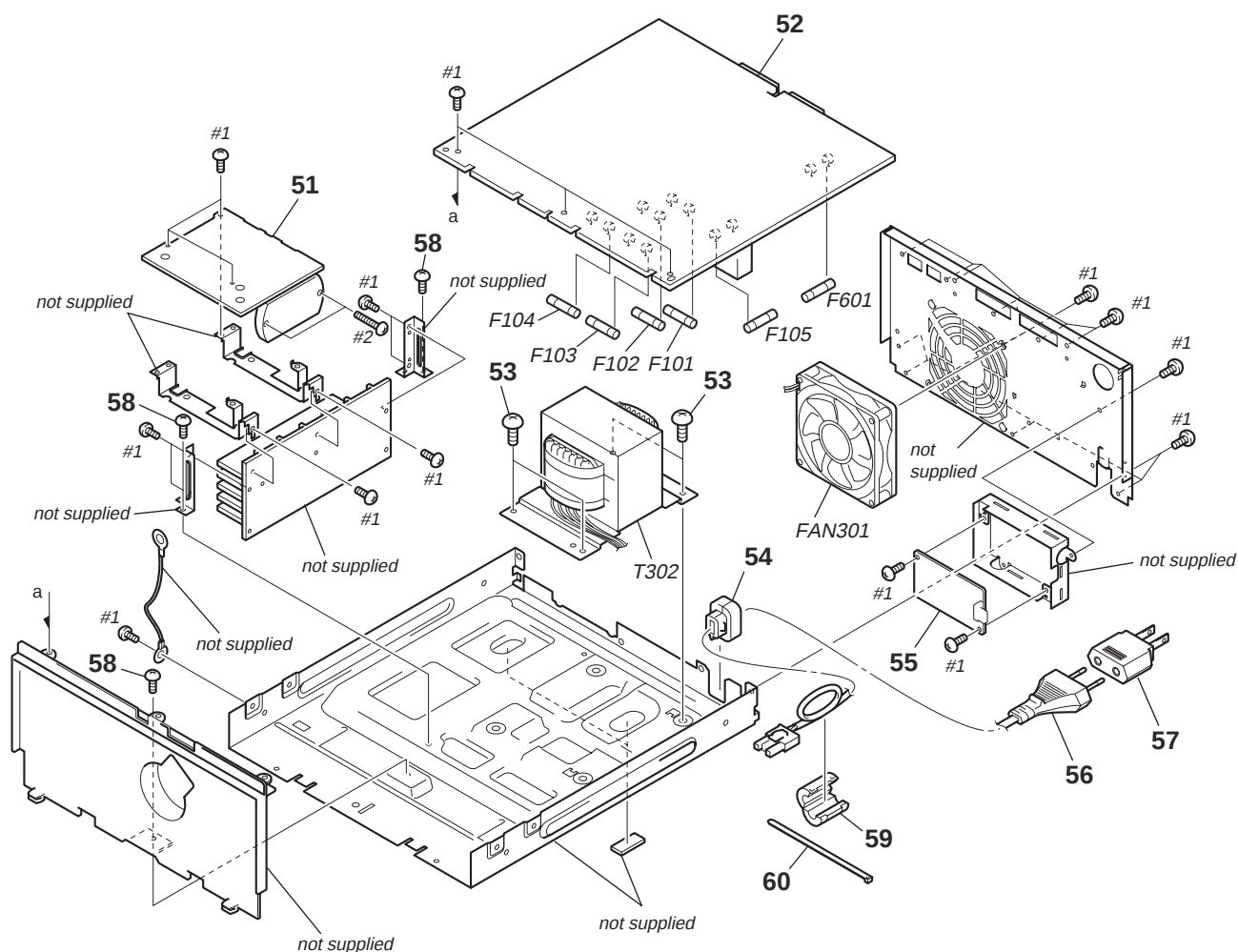
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

5-1. Front Panel Section



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
1	4-244-459-01	SPRING (LID-L)		13	4-951-620-01	SCREW (2.6X8), +BVTP	
2	X-4955-286-1	LID (TC) ASSY		14	4-244-450-01	HOLDER (LOCK)	
3	4-244-977-01	SPRING (LID-R)		15	4-244-448-01	LEVER (L)	
4	X-4955-284-1	HOLDER (A) ASSY		16	4-244-447-01	LEVER (C)	
5	4-244-454-01	SPRING (HOLDER A)		17	4-244-449-01	LEVER (R)	
6	1-769-985-11	WIRE (FLAT TYPE) (13CORE)		18	4-244-446-01	BASE (LOCK)	
7	X-4955-285-1	HOLDER (B) ASSY		19	3-363-099-11	SCREW (CASE 3 TP2)	
8	4-244-455-01	SPRING (HOLDER B)		20	4-244-441-11	CASE	
9	4-244-442-01	PANEL (TC), FRONT		21	4-245-758-01	PLATE (HEAD), SHIELD	
10	4-224-104-11	DAMPER		22	7-685-853-04	SCREW +BVTT 2X6 (S)	
11	4-244-443-01	BUTTON (A)		23	7-685-862-09	SCREW +BVTT 2.6X6 (S)	
12	4-244-444-01	BUTTON (B)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

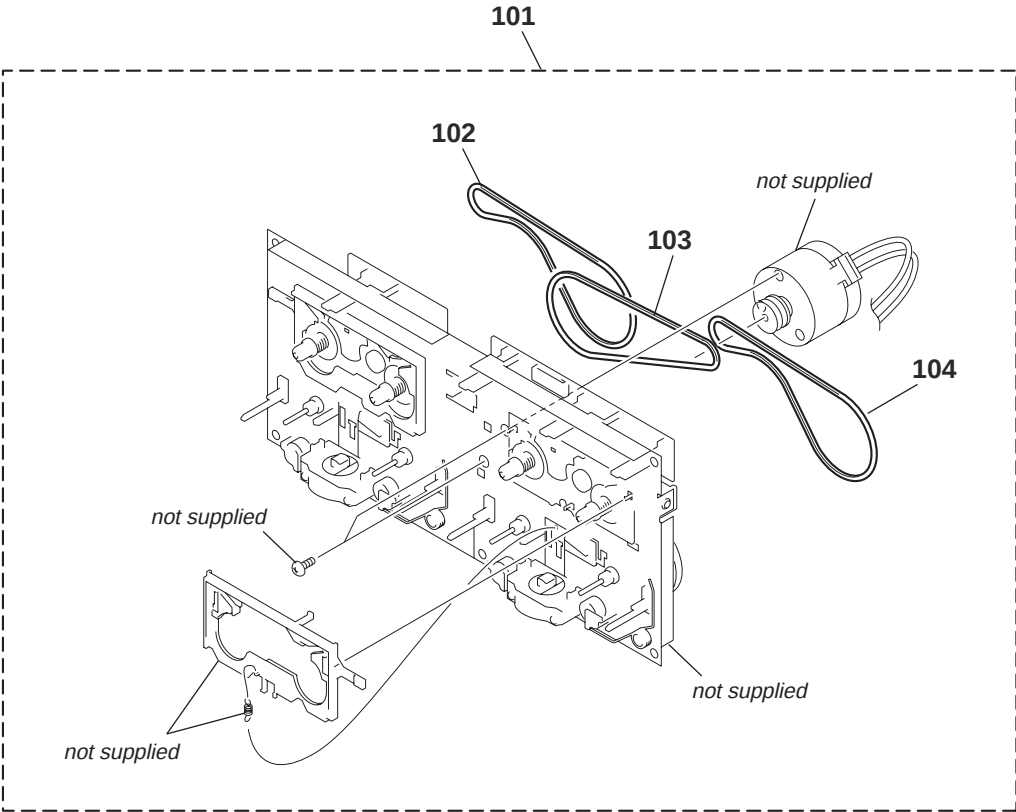
5-2. Chassis Section



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
51	A-4731-824-A	AMP BOARD, COMPLETE (AEP,UK)		△ 56	1-827-226-21	CORD, POWER (E2,E3)	
51	A-4731-831-A	AMP BOARD, COMPLETE (E2,E3,KR,TW,AUS)		△ 57	1-569-007-11	ADAPTOR, CONVERSION (E3)	
52	A-4731-819-A	MAIN BOARD, COMPLETE (AEP,UK)		58	3-970-608-01	SUMITITE (B3), +BV	
52	A-4731-828-A	MAIN BOARD, COMPLETE (E3,TW)		59	1-500-386-11	FILTER, CLAMP (FERRITE CORE)	
52	A-4733-378-A	MAIN BOARD, COMPLETE (E2)		60	3-655-653-21	BAND (TAITON), BINDING	
52	A-4733-381-A	MAIN BOARD, COMPLETE (AUS)		△ F101	1-533-473-11	FUSE, GLASS TUBE (DIA. 5) (6.3A/250V)	
52	A-4748-134-A	MAIN BOARD, COMPLETE (KR)		△ F102	1-533-473-11	FUSE, GLASS TUBE (DIA. 5) (6.3A/250V)	
53	4-900-386-01	SCREW		△ F103	1-533-473-11	FUSE, GLASS TUBE (DIA. 5) (6.3A/250V)	
54	3-703-571-11	BUSHING (S) (4516), CORD (E2,E3,KR,TW)		△ F104	1-533-473-11	FUSE, GLASS TUBE (DIA. 5) (6.3A/250V)	
* 54	3-703-244-00	BUSHING (2104), CORD (AEP,UK,AUS)		△ F105	1-533-471-11	FUSE, GLASS TUBE (DIA. 5) (4A/250V)	
△ 55	1-468-737-11	POWER, SWITCHING		△ F601	1-533-471-11	FUSE, GLASS TUBE (DIA.5) (4A/250V)	(E2,E3,KR,TW)
△ 56	1-696-845-11	CORD, POWER (AUS)		FAN301	1-763-072-11	FAN, DC	
△ 56	1-751-523-11	CORD, POWER (UK)		△ T302	1-439-597-11	TRANSFORMER, POWER (AEP,UK)	
△ 56	1-777-071-63	CORD, POWER (AEP)		△ T302	1-439-598-11	TRANSFORMER, POWER (E2,E3,KR,TW,AUS)	
△ 56	1-783-820-21	CORD, POWER (TW)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
△ 56	1-791-169-11	CORD, POWER (KR)		#2	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3	

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

5-3. Tape Mechanism Deck Section



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
101	1-796-487-31	DECK, MECHANICAL		103	4-243-609-01	BELT (AF)	
102	4-243-610-01	BELT (AL)		104	4-243-608-01	BELT (BR)	

SECTION 6
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, -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.
 - Abbreviation
AUS : Australian model
E2 : 120V AC Area in E model
E3 : 240V AC Area in E model
KR : Korean model
TW : Taiwan model
- CAPACITORS:
uF: μF
• COILS
uH: μH
• SEMICONDUCTORS
In each case, u: μ, for example:
uA...: μA..., uPA..., μPA...,
uPB..., μPB..., uPC..., μPC...,
uPD..., μPD...
- 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 name.

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
	A-4731-824-A	AMP BOARD, COMPLETE (AEP,UK)				< TRANSISTOR >	
	A-4731-831-A	AMP BOARD, COMPLETE (E2,E3,KR,TW,AUS)					

		< CAPACITOR >					
C501	1-126-964-11	ELECT	10uF 20.00% 50V	Q501	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16
C502	1-162-962-11	CERAMIC CHIP	470pF 10% 50V	Q521	8-729-140-84	TRANSISTOR	2SC1841TP-PAFAEA
C503	1-126-947-11	ELECT	47uF 20.00% 16V	Q533	8-729-271-31	TRANSISTOR	2SC2713G-TE85L
C504	1-162-927-11	CERAMIC CHIP	100pF 5% 50V	Q534	8-729-120-28	TRANSISTOR	2SC1623-T1-L5L6
C508	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	Q535	8-729-120-28	TRANSISTOR	2SC1623-T1-L5L6
C521	1-131-992-91	CERAMIC CHIP	100000pF 35V	Q536	8-729-216-31	TRANSISTOR	2SA1163G-TE85L
C522	1-131-992-91	CERAMIC CHIP	100000pF 35V	Q537	8-729-120-28	TRANSISTOR	2SC1623-T1-L5L6
C531	1-128-560-11	ELECT	22uF 20.00% 100V	Q551	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16
C532	1-128-560-11	ELECT	22uF 20.00% 100V	Q571	8-729-140-84	TRANSISTOR	2SC1841TP-PAFAEA
C533	1-126-967-11	ELECT	47uF 20.00% 50V			< RESISTOR >	
C534	1-128-562-11	ELECT	47uF 20.00% 100V	R500	1-216-833-11	METAL CHIP	10K 5% 1/16W
C551	1-126-964-11	ELECT	10uF 20.00% 50V	R501	1-216-825-11	METAL CHIP	2.2K 5% 1/16W
C552	1-162-962-11	CERAMIC CHIP	470pF 10% 50V	R502	1-216-845-11	METAL CHIP	100K 5% 1/16W
C553	1-126-947-11	ELECT	47uF 20.00% 16V	R503	1-216-833-11	METAL CHIP	10K 5% 1/16W
C554	1-162-927-11	CERAMIC CHIP	100pF 5% 50V	R504	1-216-821-11	METAL CHIP	1K 5% 1/16W
C571	1-131-992-91	CERAMIC CHIP	100000pF 35V	R505	1-216-841-11	METAL CHIP	47K 5% 1/16W
C572	1-131-992-91	CERAMIC CHIP	100000pF 35V	R506	1-216-815-11	METAL CHIP	330 5% 1/16W
				R507	1-216-833-11	METAL CHIP	10K 5% 1/16W
				R510	1-216-839-11	METAL CHIP	33K 5% 1/16W
				R521	1-216-821-11	METAL CHIP	1K 5% 1/16W
		< CONNECTOR >		Δ R522	1-220-894-11	METAL	0.22 10% 5W
* CN501	1-506-486-11	PIN, CONNECTOR 7P		R523	1-216-841-11	METAL CHIP	47K 5% 1/16W
* CN502	1-564-523-11	PLUG, CONNECTOR 8P		R524	1-249-625-31	CARBON	10 5% 1/2W
				R525	1-216-847-11	METAL CHIP	150K 5% 1/16W
				R526	1-216-835-11	METAL CHIP	15K 5% 1/16W
		< DIODE >		R530	1-216-809-11	METAL CHIP	100 5% 1/16W
D501	8-719-988-61	DIODE 1SS355TE-17		Δ R531	1-217-637-00	FUSIBLE	1 5% 1/4W
D504	8-719-083-63	DIODE UDZSTE-1713B		R534	1-216-841-11	METAL CHIP	47K 5% 1/16W
D505	8-719-083-63	DIODE UDZSTE-1713B		Δ R535	1-219-786-11	FUSIBLE	22 5% 1/4W
D521	8-719-988-61	DIODE 1SS355TE-17		Δ R537	1-219-786-11	FUSIBLE	22 5% 1/4W
D532	8-719-988-61	DIODE 1SS355TE-17					
D571	8-719-988-61	DIODE 1SS355TE-17		R539	1-216-839-11	METAL CHIP	33K 5% 1/16W
				R540	1-216-845-11	METAL CHIP	100K 5% 1/16W
				R541	1-216-841-11	METAL CHIP	47K 5% 1/16W
				R542	1-216-845-11	METAL CHIP	100K 5% 1/16W
				R543	1-216-843-11	METAL CHIP	68K 5% 1/16W
		< GROUND TERMINAL >		R544	1-216-845-11	METAL CHIP	100K 5% 1/16W
EP502	1-537-738-21	TERMINAL, GROUND		R545	1-216-825-11	METAL CHIP	2.2K 5% 1/16W
				R546	1-216-841-11	METAL CHIP	47K 5% 1/16W
				R547	1-216-825-11	METAL CHIP	2.2K 5% 1/16W
				R548	1-216-825-11	METAL CHIP	2.2K 5% 1/16W
		< IC >		R551	1-216-825-11	METAL CHIP	2.2K 5% 1/16W
IC501	6-600-179-01	IC STK412-210 (AEP,UK)		R552	1-216-845-11	METAL CHIP	100K 5% 1/16W
IC501	6-600-171-01	IC STK412-230 (E2,E3,KR,TW,AUS)		R553	1-216-833-11	METAL CHIP	10K 5% 1/16W
				R554	1-216-821-11	METAL CHIP	1K 5% 1/16W
		< JUMPER RESISTOR >					
JR501	1-216-864-11	METAL CHIP	0 5% 1/16W				

MAIN

AMP

Ref. No.	Part No.	Description	Remarks			Ref. No.	Part No.	Description	Remarks		
R555	1-216-841-11	METAL CHIP	47K	5%	1/16W	C252	1-126-964-11	ELECT	10uF	20.00%	50V
R556	1-216-815-11	METAL CHIP	330	5%	1/16W	C253	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R557	1-216-833-11	METAL CHIP	10K	5%	1/16W	C255	1-162-962-11	CERAMIC CHIP	470pF	10%	50V
R571	1-216-821-11	METAL CHIP	1K	5%	1/16W	C301	1-137-150-11	MYLAR	0.01uF	5.00%	100V
△ R572	1-220-894-11	METAL	0.22	10%	5W	C302	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
R573	1-216-841-11	METAL CHIP	47K	5%	1/16W	C303	1-162-963-11	CERAMIC CHIP	680pF	10%	50V
R574	1-249-625-31	CARBON	10	5%	1/2W	C304	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R575	1-216-847-11	METAL CHIP	150K	5%	1/16W	C305	1-162-963-11	CERAMIC CHIP	680pF	10%	50V
R576	1-216-835-11	METAL CHIP	15K	5%	1/16W	C306	1-126-947-11	ELECT	47uF	20.00%	16V
< THERMISTOR >						C307	1-126-959-11	ELECT	0.47uF	20.00%	50V
TH531	1-807-796-11	THERMISTOR				C308	1-126-965-91	ELECT	22uF	20.00%	50V
*****						C309	1-104-665-11	ELECT	100uF	20.00%	10V
A-4731-819-A	MAIN BOARD, COMPLETE (AEP,UK)					C311	1-126-934-11	ELECT	220uF	20.00%	10V
A-4731-828-A	MAIN BOARD, COMPLETE (E3,TW)					C312	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
A-4733-381-A	MAIN BOARD, COMPLETE (AUS)					C313	1-126-965-91	ELECT	22uF	20.00%	50V
A-4733-378-A	MAIN BOARD, COMPLETE (E2)					C314	1-130-481-00	MYLAR	0.0068uF	5%	50V
A-4748-134-A	MAIN BOARD, COMPLETE (KR)					C315	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
*****						C316	1-126-959-11	ELECT	0.47uF	20.00%	50V
7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S					C317	1-162-963-11	CERAMIC CHIP	680pF	10%	50V
< CAPACITOR >						C318	1-162-963-11	CERAMIC CHIP	680pF	10%	50V
C103	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C319	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C104	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C320	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C105	1-130-777-00	MYLAR	0.1uF	5.00%	100V	C321	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C106	1-130-777-00	MYLAR	0.1uF	5.00%	100V	C322	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C107	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C323	1-126-960-11	ELECT	1uF	20.00%	50V
C108	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C324	1-126-964-11	ELECT	10uF	20.00%	50V
C109	1-128-550-11	ELECT	2200uF	20.00%	50V	C325	1-126-964-11	ELECT	10uF	20.00%	50V
C110	1-128-550-11	ELECT	2200uF	20.00%	50V	C326	1-104-665-11	ELECT	100uF	20.00%	10V
C111	1-135-632-51	ELECT	2200uF	20%	63V	C327	1-162-963-11	CERAMIC CHIP	680pF	10%	50V
C111	1-137-848-31	ELECT	2200uF	20%	80V (AEP,UK)	C328	1-162-963-11	CERAMIC CHIP	680pF	10%	50V
					(E3,KR,TW,AUS)	C329	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
C111	1-137-842-11	ELECT	2200uF	20%	80V (E2)	C330	1-137-503-11	MYLAR	0.0001uF	5.00%	50V
C112	1-135-632-51	ELECT	2200uF	20%	63V	C331	1-126-963-11	ELECT	4.7uF	20.00%	50V
					(AEP,UK)	C332	1-126-963-11	ELECT	4.7uF	20.00%	50V
C112	1-137-848-31	ELECT	2200uF	20%	80V	C333	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
					(E3,KR,TW,AUS)	C334	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C112	1-137-842-11	ELECT	2200uF	20%	80V (E2)	C337	1-162-961-11	CERAMIC CHIP	330pF	10%	50V
C113	1-128-548-11	ELECT	4700uF	20.00%	25V	C338	1-162-961-11	CERAMIC CHIP	330pF	10%	50V
C114	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C351	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C118	1-126-964-11	ELECT	10uF	20.00%	50V	C352	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C120	1-126-964-11	ELECT	10uF	20.00%	50V	C353	1-126-935-11	ELECT	470uF	20.00%	16V
C201	1-126-964-11	ELECT	10uF	20.00%	50V	C354	1-126-964-11	ELECT	10uF	20.00%	50V
C202	1-126-964-11	ELECT	10uF	20.00%	50V	C402	1-131-992-91	CERAMIC CHIP	100000pF		35V (AEP,UK)
C203	1-126-964-11	ELECT	10uF	20.00%	50V	C405	1-131-992-91	CERAMIC CHIP	100000pF		35V (AEP,UK)
C204	1-126-964-11	ELECT	10uF	20.00%	50V	C407	1-131-992-91	CERAMIC CHIP	100000pF		35V (AEP,UK)
C205	1-104-665-11	ELECT	100uF	20.00%	10V	C408	1-131-992-91	CERAMIC CHIP	100000pF		35V (AEP,UK)
C206	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C413	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C207	1-126-961-11	ELECT	2.2uF	20.00%	50V	C414	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C208	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C601	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C209	1-104-665-11	ELECT	100uF	20.00%	10V	C602	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C210	1-126-947-11	ELECT	47uF	20.00%	16V	C603	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C211	1-126-963-11	ELECT	4.7uF	20.00%	50V						
C216	1-162-974-11	CERAMIC CHIP	0.01uF		50V						
C251	1-162-974-11	CERAMIC CHIP	0.01uF		50V						

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

MAIN

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
< CONNECTOR >							
	CN102	1-691-769-11	PLUG (MICRO CONNECTOR) 7P	Q206	8-729-900-53	TRANSISTOR	DTC114EKA-T146
*	CN204	1-564-518-11	PLUG, CONNECTOR 3P	Q209	8-729-026-68	TRANSISTOR	2SD2525(TP)
*	CN205	1-566-859-11	SOCKET, CONNECTOR 15P (SYSTEM CONTOROL 2)	Q211	8-729-120-28	TRANSISTOR	2SC1623-T1-L5L6
*	CN206	1-569-624-11	SOCKET, CONNECTOR 17P (SYSTEM CONTOROL 1)	Q212	8-729-120-28	TRANSISTOR	2SC1623-T1-L5L6
*	CN301	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P	Q301	8-729-142-46	TRANSISTOR	2SC2001TP-LK
*	CN302	1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P	Q302	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16
	CN351	1-784-774-11	CONNECTOR, FFC 13P	Q303	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16
	CN602	1-785-314-11	PIN, CONNECTOR (STRAIGHT) 2P	Q304	8-729-040-20	TRANSISTOR	RT1P137L-TP
	CN604	1-774-108-11	PIN, CONNECTOR (PC BOARD)(AC IN)	Q305	8-729-900-53	TRANSISTOR	DTC114EKA-T146
	CN605	1-564-321-00	PIN, CONNECTOR(3.96mm PITCH) 2P (AEP,UK)	Q306	8-729-900-53	TRANSISTOR	DTC114EKA-T146
	CN605	1-568-106-11	PIN, CONNECTOR(3.96mm PITCH) 4P (E2,E3,KR,TW,AUS)	Q307	8-729-027-23	TRANSISTOR	DTA114EKA-T146
< DIODE >				Q308	8-729-900-53	TRANSISTOR	DTC114EKA-T146
	D101	8-719-028-23	DIODE D3SBA20-4101	Q309	8-729-900-53	TRANSISTOR	DTC114EKA-T146
	D102	8-719-500-60	DIODE D5SBA20	Q310	8-729-216-22	TRANSISTOR	2SA812-T1-M5M6
	D103	8-719-028-23	DIODE D3SBA20-4101	Q311	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16
	D111	8-719-083-58	DIODE UDZSTE-173.9B	Q312	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16
	D201	8-719-988-61	DIODE 1SS355TE-17	Q313	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16
	D202	8-719-988-61	DIODE 1SS355TE-17	Q314	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16
	D204	8-719-083-63	DIODE UDZSTE-1713B	Q351	8-729-140-04	TRANSISTOR	2SB1116-TP-LK
	D205	6-500-522-21	DIODE 10EDB40-TB3	Q352	8-729-140-04	TRANSISTOR	2SB1116-TP-LK
	D207	6-500-522-21	DIODE 10EDB40-TB3	Q353	8-729-140-04	TRANSISTOR	2SB1116-TP-LK
	D208	6-500-522-21	DIODE 10EDB40-TB3	Q354	8-729-900-53	TRANSISTOR	DTC114EKA-T146
	D209	8-719-988-61	DIODE 1SS355TE-17	Q355	8-729-900-53	TRANSISTOR	DTC114EKA-T146
	D251	8-719-988-61	DIODE 1SS355TE-17	Q356	8-729-900-53	TRANSISTOR	DTC114EKA-T146
	D301	6-500-522-21	DIODE 10EDB40-TB3	Q403	8-729-120-28	TRANSISTOR	2SC1623-T1-L5L6
	D351	8-719-988-61	DIODE 1SS355TE-17	Q601	8-729-120-28	TRANSISTOR	2SC1623-T1-L5L6
	D352	8-719-988-61	DIODE 1SS355TE-17	< RESISTOR >			
	D402	8-719-988-61	DIODE 1SS355TE-17	R103	1-216-845-11	METAL CHIP	100K 5% 1/16W
	D404	8-719-988-61	DIODE 1SS355TE-17	R104	1-216-845-11	METAL CHIP	100K 5% 1/16W
	D911	8-719-988-61	DIODE 1SS355TE-17	R128	1-216-821-11	METAL CHIP	1K 5% 1/16W
< IC >				R201	1-216-829-11	METAL CHIP	4.7K 5% 1/16W
	IC201	6-703-610-01	IC RT8H015C-T112-1	R202	1-216-825-11	METAL CHIP	2.2K 5% 1/16W
	IC251	6-703-679-11	IC PT8300R-TP	R203	1-216-829-11	METAL CHIP	4.7K 5% 1/16W
	IC301	8-759-902-15	IC BA3402	R204	1-216-845-11	METAL CHIP	100K 5% 1/16W
	IC302	8-759-701-59	IC TA7809S	R205	1-216-837-11	METAL CHIP	22K 5% 1/16W
	IC303	8-759-422-21	IC NJM4580V(Te2)	R206	1-216-833-11	METAL CHIP	10K 5% 1/16W
				R207	1-216-829-11	METAL CHIP	4.7K 5% 1/16W
< COIL >				R209	1-216-809-11	METAL CHIP	100 5% 1/16W
	L302	1-414-189-31	INDUCTOR 100uH	R210	1-216-821-11	METAL CHIP	1K 5% 1/16W
	L303	1-410-780-11	INDUCTOR 27mH	R211	1-216-821-11	METAL CHIP	1K 5% 1/16W
	L304	1-410-780-11	INDUCTOR 27mH	R212	1-216-821-11	METAL CHIP	1K 5% 1/16W
	L403	1-420-872-52	COIL, AIR-CORE (AEP,UK)	R213	1-216-864-11	METAL CHIP	0 5% 1/16W
	L404	1-420-872-52	COIL, AIR-CORE (AEP,UK)	R216	1-216-849-11	METAL CHIP	220K 5% 1/16W
	L601	1-414-189-31	INDUCTOR 100uH	R217	1-216-837-11	METAL CHIP	22K 5% 1/16W
< TRANSISTOR >				R218	1-216-809-11	METAL CHIP	100 5% 1/16W
	Q101	8-729-120-28	TRANSISTOR 2SC1623-T1-L5L6	R219	1-216-837-11	METAL CHIP	22K 5% 1/16W
	Q202	8-729-120-28	TRANSISTOR 2SC1623-T1-L5L6	R220	1-216-841-11	METAL CHIP	47K 5% 1/16W
	Q203	8-729-120-28	TRANSISTOR 2SC1623-T1-L5L6	R221	1-216-829-11	METAL CHIP	4.7K 5% 1/16W
	Q204	8-729-027-23	TRANSISTOR DTA114EKA-T146	R251	1-216-809-11	METAL CHIP	100 5% 1/16W
	Q205	8-729-120-28	TRANSISTOR 2SC1623-T1-L5L6	R252	1-216-809-11	METAL CHIP	100 5% 1/16W
				R253	1-216-809-11	METAL CHIP	100 5% 1/16W
				R254	1-216-809-11	METAL CHIP	100 5% 1/16W
				R255	1-216-809-11	METAL CHIP	100 5% 1/16W
				R256	1-216-809-11	METAL CHIP	100 5% 1/16W
				R257	1-216-809-11	METAL CHIP	100 5% 1/16W
				R258	1-216-809-11	METAL CHIP	100 5% 1/16W
				R259	1-216-809-11	METAL CHIP	100 5% 1/16W

Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
R260	1-216-809-11	METAL CHIP	100	5%	1/16W	R366	1-216-833-11	METAL CHIP	10K	5%	1/16W
R261	1-216-809-11	METAL CHIP	100	5%	1/16W	R367	1-216-833-11	METAL CHIP	10K	5%	1/16W
R262	1-216-809-11	METAL CHIP	100	5%	1/16W						
R263	1-216-833-11	METAL CHIP	10K	5%	1/16W	R368	1-216-833-11	METAL CHIP	10K	5%	1/16W
R264	1-216-833-11	METAL CHIP	10K	5%	1/16W	R369	1-216-809-11	METAL CHIP	100	5%	1/16W
						R370	1-216-809-11	METAL CHIP	100	5%	1/16W
R302	1-216-827-11	METAL CHIP	3.3K	5%	1/16W	R401	1-216-843-11	METAL CHIP	68K	5%	1/16W
R303	1-216-851-11	METAL CHIP	330K	5%	1/16W	R403	1-216-841-11	METAL CHIP	47K	5%	1/16W
R304	1-216-834-11	METAL CHIP	12K	5%	1/16W						
R305	1-216-805-11	METAL CHIP	47	5%	1/16W	R410	1-216-845-11	METAL CHIP	100K	5%	1/16W
R306	1-216-809-11	METAL CHIP	100	5%	1/16W	△ R411	1-215-863-11	METAL OXIDE	100	5%	1W
						R413	1-216-837-11	METAL CHIP	22K	5%	1/16W
R307	1-216-833-11	METAL CHIP	10K	5%	1/16W	R414	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R308	1-216-809-11	METAL CHIP	100	5%	1/16W	R415	1-216-837-11	METAL CHIP	22K	5%	1/16W
R309	1-216-851-11	METAL CHIP	330K	5%	1/16W						
R310	1-216-834-11	METAL CHIP	12K	5%	1/16W	R417	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R311	1-216-797-11	METAL CHIP	10	5%	1/16W	R419	1-216-833-11	METAL CHIP	10K	5%	1/16W
						R422	1-216-841-11	METAL CHIP	47K	5%	1/16W
R312	1-216-803-11	METAL CHIP	33	5%	1/16W	R423	1-216-841-11	METAL CHIP	47K	5%	1/16W
R313	1-216-832-11	METAL CHIP	8.2K	5%	1/16W	R427	1-249-625-31	CARBON	10	5%	1/2W (AEP,UK)
R314	1-216-841-11	METAL CHIP	47K	5%	1/16W						
R315	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	R428	1-249-625-31	CARBON	10	5%	1/2W (AEP,UK)
R316	1-216-832-11	METAL CHIP	8.2K	5%	1/16W	R432	1-249-625-31	CARBON	10	5%	1/2W (AEP,UK)
						R433	1-249-625-31	CARBON	10	5%	1/2W (AEP,UK)
R317	1-216-833-11	METAL CHIP	10K	5%	1/16W	R601	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R318	1-216-829-11	METAL CHIP	4.7K	5%	1/16W			< RELAY >			
R319	1-216-833-11	METAL CHIP	10K	5%	1/16W	RY402	1-755-372-11	RELAY			
R320	1-216-829-11	METAL CHIP	4.7K	5%	1/16W	△ RY601	1-755-491-11	RELAY			
R321	1-216-821-11	METAL CHIP	1K	5%	1/16W			< TRANSFORMER >			
R322	1-216-821-11	METAL CHIP	1K	5%	1/16W	T301	1-433-372-11	TRANSFORMER, BIAS OSCILLATION			
R323	1-216-821-11	METAL CHIP	1K	5%	1/16W			< TERMINAL >			
R324	1-216-821-11	METAL CHIP	1K	5%	1/16W	TM402	1-537-114-21	TERMINAL BOARD (SPEAKER L/R +/-)			
R325	1-216-833-11	METAL CHIP	10K	5%	1/16W			< SWITCH >			
R326	1-216-835-11	METAL CHIP	15K	5%	1/16W	△ S601	1-771-291-31	SWITCH, POWER (VOLTAGE SELECTOR 120V/230-240V/220V)(E2,E3)			

R327	1-216-809-11	METAL CHIP	100	5%	1/16W						
R328	1-216-825-11	METAL CHIP	2.2K	5%	1/16W						
R329	1-216-825-11	METAL CHIP	2.2K	5%	1/16W						
R330	1-216-837-11	METAL CHIP	22K	5%	1/16W						
R331	1-216-837-11	METAL CHIP	22K	5%	1/16W						
R334	1-218-867-11	METAL CHIP	6.8K	5%	1/10W						
R335	1-216-839-11	METAL CHIP	33K	5%	1/16W						
R336	1-216-809-11	METAL CHIP	100	5%	1/16W						
R337	1-218-867-11	METAL CHIP	6.8K	5%	1/10W						
R338	1-216-839-11	METAL CHIP	33K	5%	1/16W						
R339	1-216-809-11	METAL CHIP	100	5%	1/16W						
R343	1-216-839-11	METAL CHIP	33K	5%	1/16W						
R344	1-216-839-11	METAL CHIP	33K	5%	1/16W						
R351	1-216-819-11	METAL CHIP	680	5%	1/16W						
R352	1-216-819-11	METAL CHIP	680	5%	1/16W						
R353	1-216-841-11	METAL CHIP	47K	5%	1/16W						
R354	1-216-825-11	METAL CHIP	2.2K	5%	1/16W						
R355	1-216-825-11	METAL CHIP	2.2K	5%	1/16W						
R356	1-216-825-11	METAL CHIP	2.2K	5%	1/16W						
R357	1-216-825-11	METAL CHIP	2.2K	5%	1/16W						
R358	1-216-827-11	METAL CHIP	3.3K	5%	1/16W						
R359	1-216-827-11	METAL CHIP	3.3K	5%	1/16W						
R360	1-216-827-11	METAL CHIP	3.3K	5%	1/16W						
R361	1-216-833-11	METAL CHIP	10K	5%	1/16W						
R362	1-216-833-11	METAL CHIP	10K	5%	1/16W						
R363	1-216-833-11	METAL CHIP	10K	5%	1/16W						
R364	1-216-833-11	METAL CHIP	10K	5%	1/16W						
R365	1-216-833-11	METAL CHIP	10K	5%	1/16W						

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

DXA-WZ5

Ref. No.	Part No.	Description	Remarks
		MISCELLANEOUS *****	
6	1-769-985-11	WIRE (FLAT TYPE) (13CORE)	
△ 55	1-468-737-11	POWER, SWITCHING	
△ 56	1-696-845-11	CORD, POWER (AUS)	
△ 56	1-751-523-11	CORD, POWER (UK)	
△ 56	1-777-071-63	CORD, POWER (AEP)	
△ 56	1-783-820-21	CORD, POWER (TW)	
△ 56	1-791-169-11	CORD, POWER (KR)	
△ 56	1-827-226-21	CORD, POWER (E2,E3)	
△ 57	1-569-007-11	ADAPTOR, CONVERSION (E3)	
59	1-500-386-11	FILTER, CRAMP (FERRITE CORE)	
101	1-796-487-31	DECK, MECHANICAL	
△ F101	1-533-473-11	FUSE, GLASS TUBE (DIA. 5)(6.3A/250V)	
△ F102	1-533-473-11	FUSE, GLASS TUBE (DIA. 5)(6.3A/250V)	
△ F103	1-533-473-11	FUSE, GLASS TUBE (DIA. 5)(6.3A/250V)	
△ F104	1-533-473-11	FUSE, GLASS TUBE (DIA. 5)(6.3A/250V)	
△ F105	1-533-471-11	FUSE, GLASS TUBE (DIA. 5)(4A/250V)	
△ F601	1-533-471-11	FUSE, GLASS TUBE (DIA.5)(4A/250V) (E2,E3,KR,TW)	
△ T302	1-439-597-11	TRANSFORMER, POWER (AEP,UK)	
△ T302	1-439-598-11	TRANSFORMER, POWER (E2,E3,KR,TW,AUS)	
FAN301	1-763-072-11	FAN, DC	

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