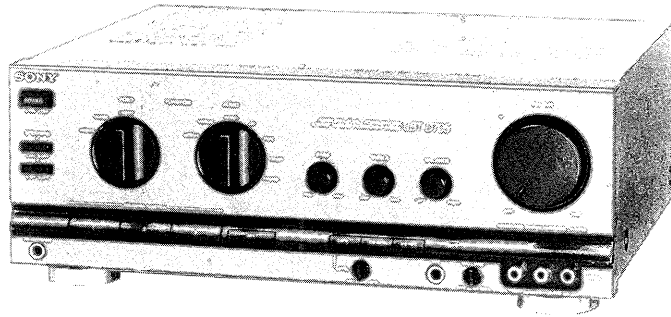


# TA-D705

## SERVICE MANUAL

*E Model  
Australian Model*



### SPECIFICATIONS

#### Continuous RMS power output

70 W + 70 W  
(6 ohms, at 1 kHz, 5% THD)  
60 W + 60 W  
(6 ohms, DIN, 1 kHz)

#### Music power output

100 W + 100 W  
(6 ohms, at 1 kHz, 10% THD)

#### Frequency response

10 Hz to 50 kHz  $\pm 0.5$  dB

#### Power requirements

120V/220V/240V AC, 50/60Hz

#### Power consumption

190W

#### AC outlet

1 unswitched, 100W max.

#### Weight

Approx. 6.6kg(14 lbs 9 oz)

#### Dimensions

Approx. 355 × 132.5 × 320 mm  
(w/h/d, including projections)  
(14 × 5 1/4 × 12 5/8 inches)

Input	Jack type	Sensitivity	Impedance
PHONO (MM)	Phono	2.5 mV	47 kohms
VIDEO1/DAT	Phono	200 mV	47 kohms
VIDEO2	Phono	200 mV	47 kohms
VIDEO3	Phono	200 mV	47 kohms
CD	Phono	200 mV	47 kohms
EQUALIZER	Phono	200 mV	47 kohms
MIC	Phone	1 mV	10 kohms

Output	Jack type	Voltage	Impedance
VIDEO1/DAT	Phono	180 mV	2 kohms
VIDEO 2	Phono	180 mV	2 kohms
EQUALIZER	Phono	180 mV	2 kohms
SURROUND SPEAKER	Phono	Accepts speakers of 16 ohms	
HEADPHONES	Stereophone	Accepts headphones of 8 ohms or more	

Design and specifications subject to change without notice.

#### Note

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.





STEREO AMPLIFIER  
**SONY**®

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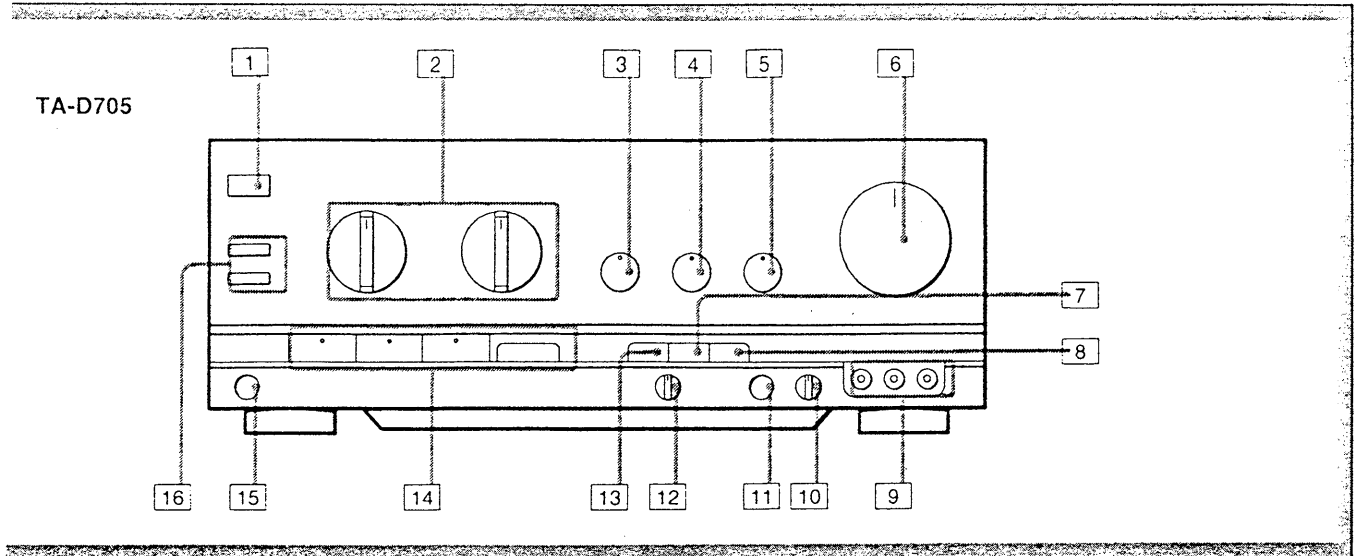
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### SAFETY-RELATED COMPONENT WARNING!!

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.

# SECTION 1 GENERAL

This section is extracted  
from instruction manual.



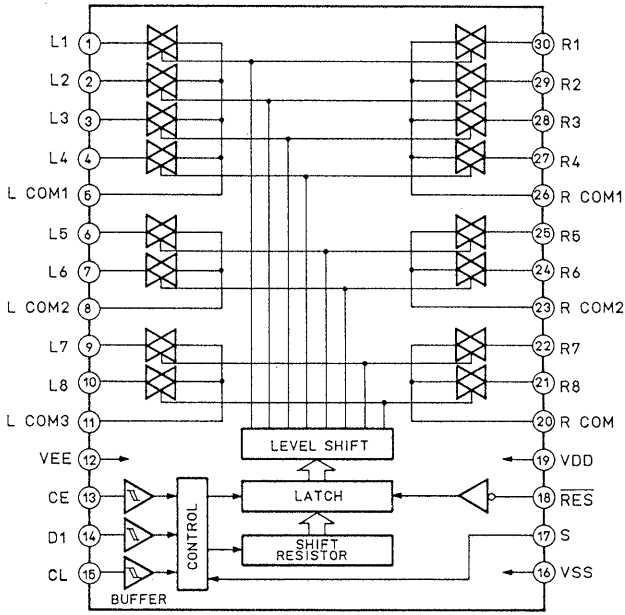
## Amplifier

- 1 POWER switch 10
- 2 FUNCTION selectors and indicators  
VIDEO source selector  
AUDIO source selector  
When the video source is selected, the audio source is selected at the same time.  
To select the audio source separately, set the video source first.
- 3 BASS control 12
- 4 TREBLE control 12
- 5 BALANCE control 12
- 6 VOLUME control and indicator 12
- 7 CD DIRECT and indicator 14
- 8 EQ REC button and indicator 15
- 9 VIDEO 3 input jacks 9
- 10 MIC (microphone) LEVEL control 53
- 11 MIC (microphone) jack 53
- 12 DBFB LEVEL control 12
- 13 DBFB button and indicator 12
- 14 Buttons for storing 14 (E3, Saudi Arabia model only)
- 15 HEADPHONES jack
- 16 SPEAKERS selectors 12

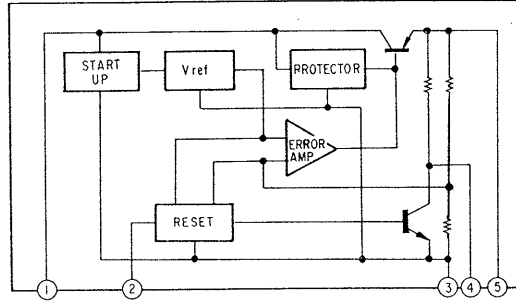
# SECTION 2 DIAGRAMS

## 2-1. IC Block Diagrams

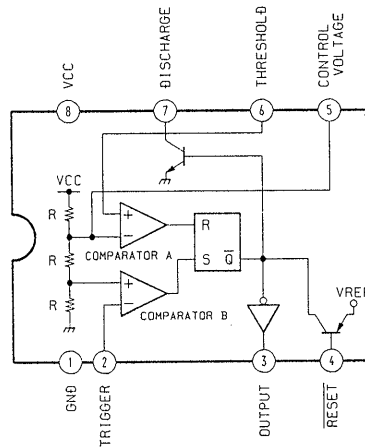
**IC102 LC7821**



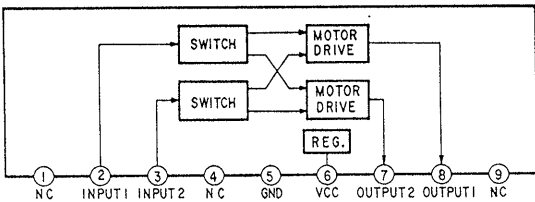
**IC903 L78MR06**



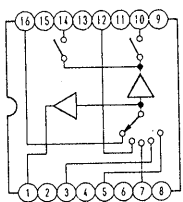
**IC706 NE555P**



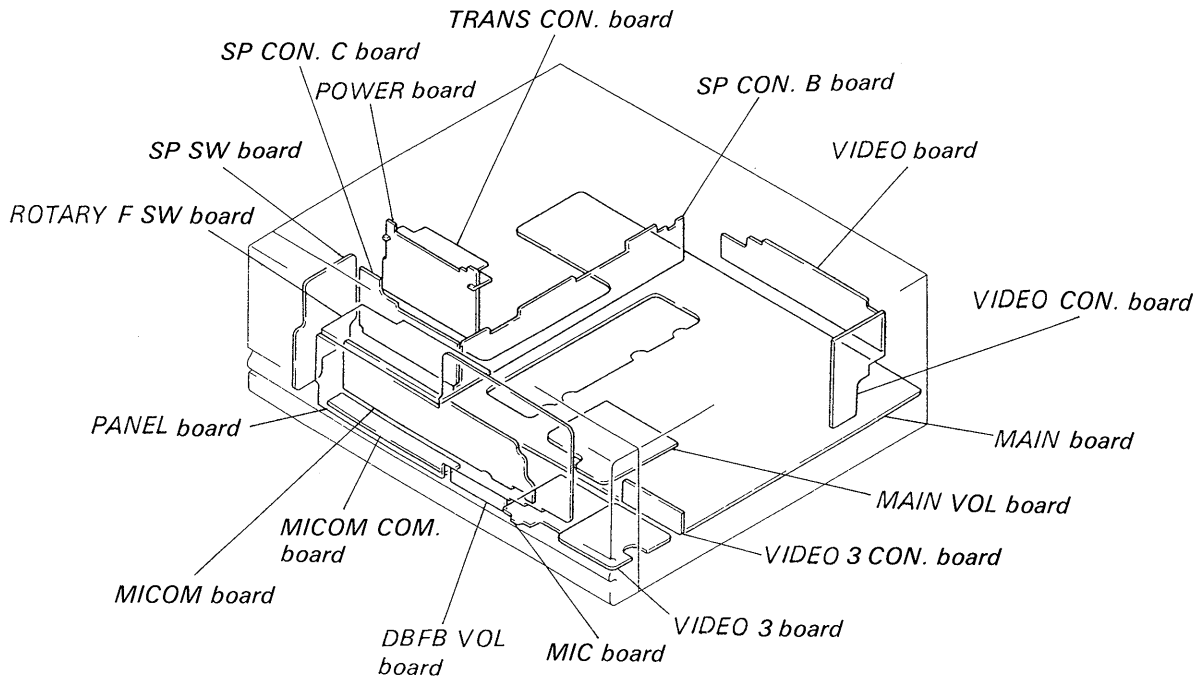
**IC702, 703 BA6208**



**IC401 BA7625**

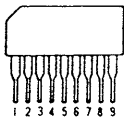


## 2-2. CIRCUIT BOARDS LOCATION

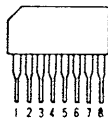


### • Semiconductor Lead Layout

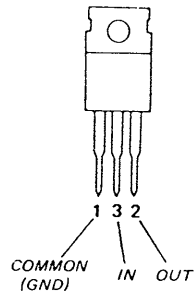
**BA6208**



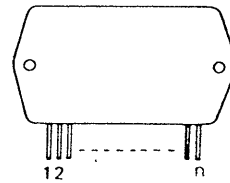
**M5218AL  
NJM4580L  
μPC1237HA**



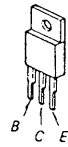
**M5F79 10L**



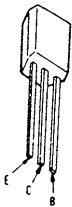
**STK4182MK2**



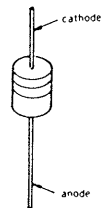
**2SB1094-L**



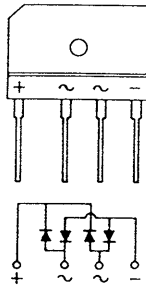
**2SC2603-EF  
2SC3622A-LK  
DTA124ES  
DTC124ES**



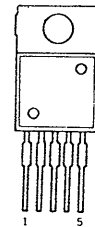
**11ES2  
1SS120  
UZL-33H  
UZL-7M1  
UZP-6.8BC**



**RBV-602-01**



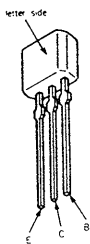
**L78MR06**



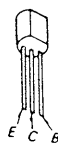
**M5F7810L**



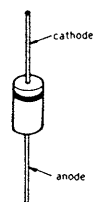
**2SA1175-HFE**



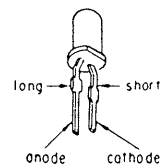
**2SC1841-PAFAEA**



**10E2N  
1S1585**



**SEL2210S-CD**




## PIN DESCRIPTION

• IC701( $\mu$ PD75106CW) for system controller

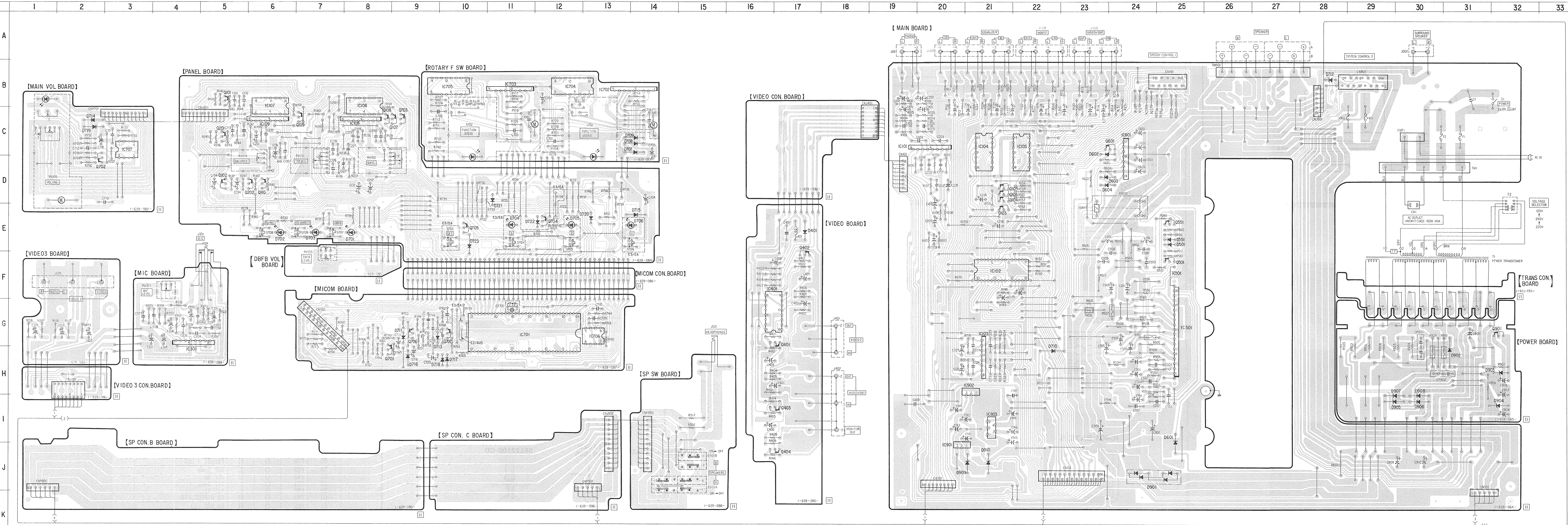
Pin No.	Port	I/O	Normal	Description
1	P13	I		VIF encode (INT3)
2	P12	I		AUF encode (INT2)
3	P11	I		Pulse timing (INT1)
4	P10	I		AUBUS Input (INT0)
5	PTH03	I		N.C (7 PIN)
6	PTH02	I		N.C (7 PIN)
7	PTH01	I		Relay Input
8	PTH00	I		Volume position
9	T10	I		N.C (GND)
10	T00	I		N.C (GND)
11	P23	O	L	AUBUS Output
12	P22	O	L	N.C
13	P21	O	L	N.C
14	P20	O	L	N.C
15	P03	I		Decision of destination.
16	P02	I		VIF location pulse
17	P01	I		AUF location pulse
18	P00	I		AC cut
19	P123	O	L	Mute
20	P122	O	L	Video mute
21	P121	O	L	N.C
22	P120	O	L	CD DIRECT ON/OFF
23	P133	O	L	Video Input control B
24	P132	O	L	Video Input control A
25	P131	O	L	Video REC control 1
26	P130	O	L	Video REC control 0
27	P143	O	H	EQ REC ON/OFF
28	P142	O	L	LC7821 CE
29	P141	O	L	LC7821 DI
30	P140	O	L	LC7821 CL
31	NC			N.C
32	VDD			Power supply
33	P33	O	H	AUF button LED
34	P32	I		CD DIRECT Key matrix Input
35	P31	I		EQ REC Key matrix Input
36	P30	I		DBFB Key matrix input
37	P43	I		PRESET 1 Key matrix Input
38	P42	I		PRESET 2 Key matrix Input
39	P41	I		PRESET 3 Key matrix Input
40	P40	I		SET Key matrix Input
41	P53	O	L	AU motor SW4051 3
42	P52	O	L	AU motor SW4051 2
43	P51	O	L	AU motor SW4051 1
44	P50	O	L	AU motor SW4051 0
45	RESET	I	H	Used to reset
46	X2			Cristal oscillator
47	X1			Cristal oscillator
48	P63	O	L	Volume Down
49	P62	O	L	Volume Up
50	P61	O	L	VI motor SW4052 1
51	P60	O	L	VI motor SW4052 0
52	P73	O	H	VIF button LED
53	P72	O	H	PRESET 1 LED
54	P71	O	H	PRESET 2 LED
55	P70	O	H	PRESET 3 LED
56	P83	O	L	AUF Down
57	P82	O	L	AUF Up
58	P81	O	L	VIF Down
59	P80	O	L	VIF Up
60	P93	O	H	CD DIRECT LED
61	P92	O	H	EQ REC LED
62	P91	O	H	Volume LED
63	P90	O	H	DBFB ON/OFF & LED
64	VSS			GND potential



2-3. PRINTED WIRING BARDS

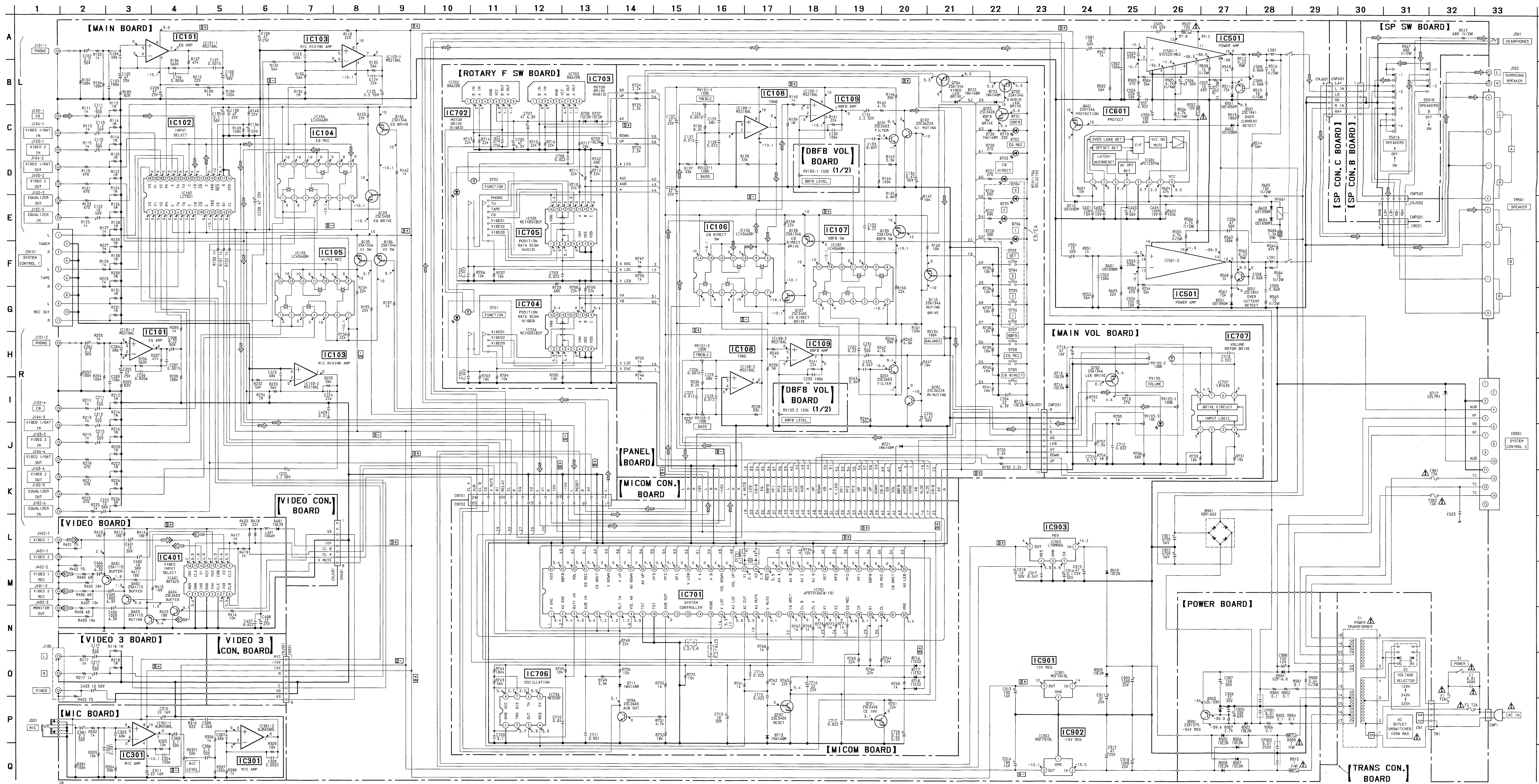
Note:  : parts extracted from the component side.

EA : Saudi Arabia  
AUS : Australian





2-4. SCHEMATIC DIAGRAM



Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D401	E-17	IC705	B-10
D501	E-25	IC706	G-13
D551	E-25	IC707	C-3
D601	I-25	IC901	J-20
D602	C-23	IC902	H-21
D603	D-24	IC903	I-21
D604	D-23		
D701	E-8	Q101	B-5
D702	E-6	Q102	D-5
D703	E-7	Q103	E-21
D704	E-11	Q104	D-21
D705	E-12	Q105	D-21
D706	E-14	Q106	D-21
D707	C-14	Q107	C-9
D708	C-14	Q108	C-8
D709	C-14	Q109	C-7
D710	H-22	Q110	D-6
D711	G-9	Q201	C-5
D712	B-28	Q202	D-6
D713	H-9	Q401	G-17
D714	C-2	Q402	F-17
D715	E-14	Q403	I-17
D716	H-9	Q404	J-17
D717	H-10	Q501	F-25
D718	H-9	Q551	E-25
D719	C-9	Q601	C-24
D720	E-13	Q701	H-9
D721	E-11	Q702	D-2
D722	E-11	Q703	C-9
D723	E-10	Q704	E-12
D901	K-24	Q705	E-10
D902	H-31	Q706	G-9
D903	H-32	Q707	G-10
D904	I-32	Q901	G-32
D905	I-30		
D906	I-30		
D907	H-30		
D908	H-30		
D909	J-20		
D910	J-21		
IC101	C-19		
IC102	F-21		
IC103	G-21		
IC104	C-21		
IC105	C-22		
IC106	B-8		
IC107	B-6		
IC108	C-8		
IC109	C-6		
IC301	H-4		
IC401	F-16		
IC501	G-25		
IC601	C-24		
IC701	G-11		
IC702	B-13		
IC703	B-11		
IC704	B-12		

**Note:**  
 • All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$ :  $\mu\text{F}$  50WV or less are not indicated except for electrolytics and tantalums.  
 • All resistors are in  $\Omega$  and  $\frac{1}{4}\text{W}$  or less unless otherwise specified.

•  $\triangle$ : internal component.  
 •  $\square$ : nonflammable resistor.  
 •  $\square$ : fusible resistor.

**Note:** The components identified by mark  $\triangle$  or dotted line with mark  $\square$  are critical for safety. Replace only with part number specified.

•  $\square$ : B+ Line  
 •  $\square$ : B- Line  
 • Voltage and waveforms are dc with respect to ground under no-signal conditions.  
 • Voltages are taken with a VOM (Input Impedance 10M $\Omega$ ). Voltage variations may be noted due to normal production tolerances.

• Signal path.  
 • CD  
 • TV (PICTURE)

EA: Saudi Arabia  
 AUS: Australian



# SECTION 3 EXPLODED VIEWS

**NOTE:**

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

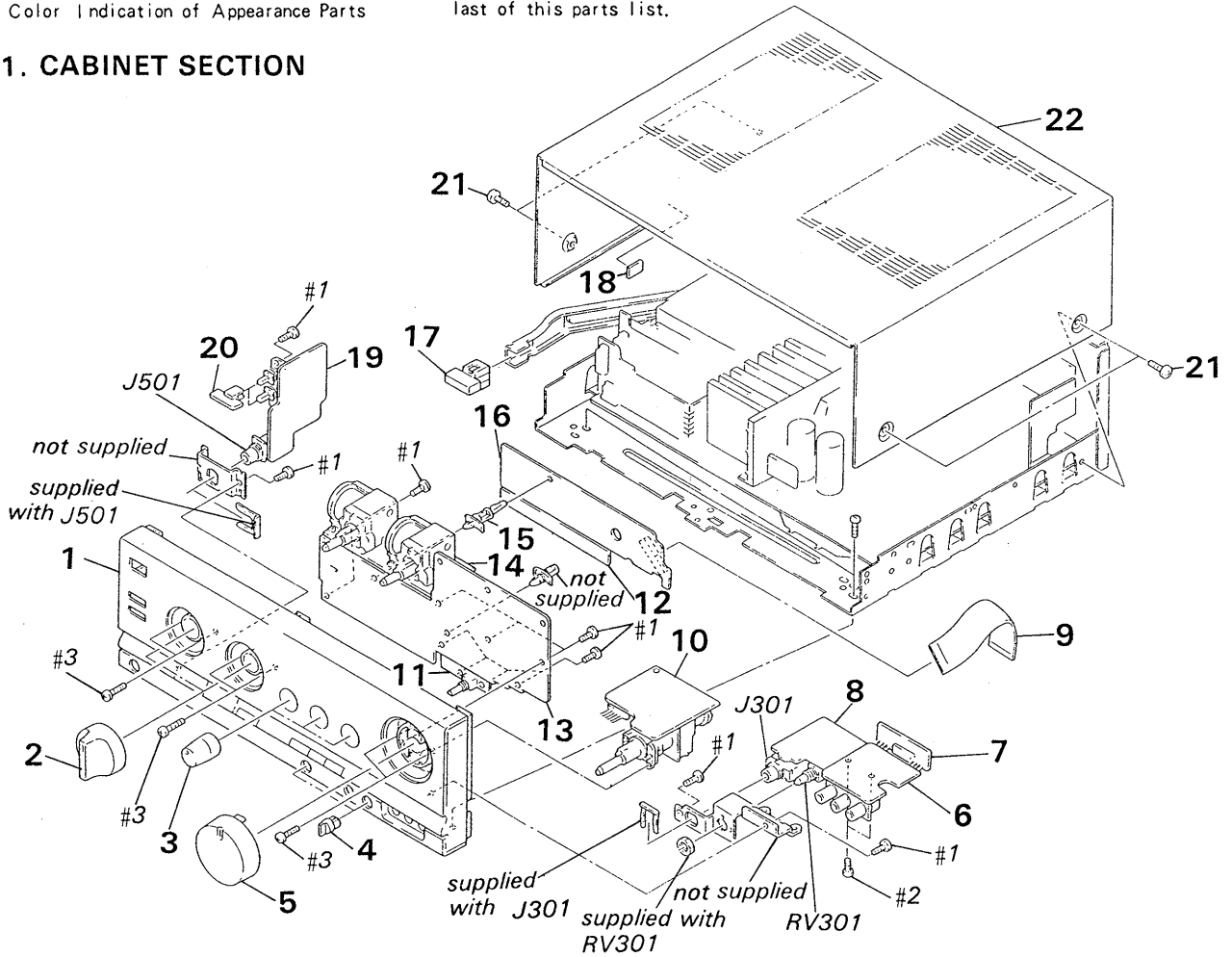
EA : Saudi Arabia  
AUS : Australian

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

Example:  
KNOB, BALANCE(WHITE)...(WHT)  
                  ↑                  ↑  
          Part's Color  Cabinet's Color

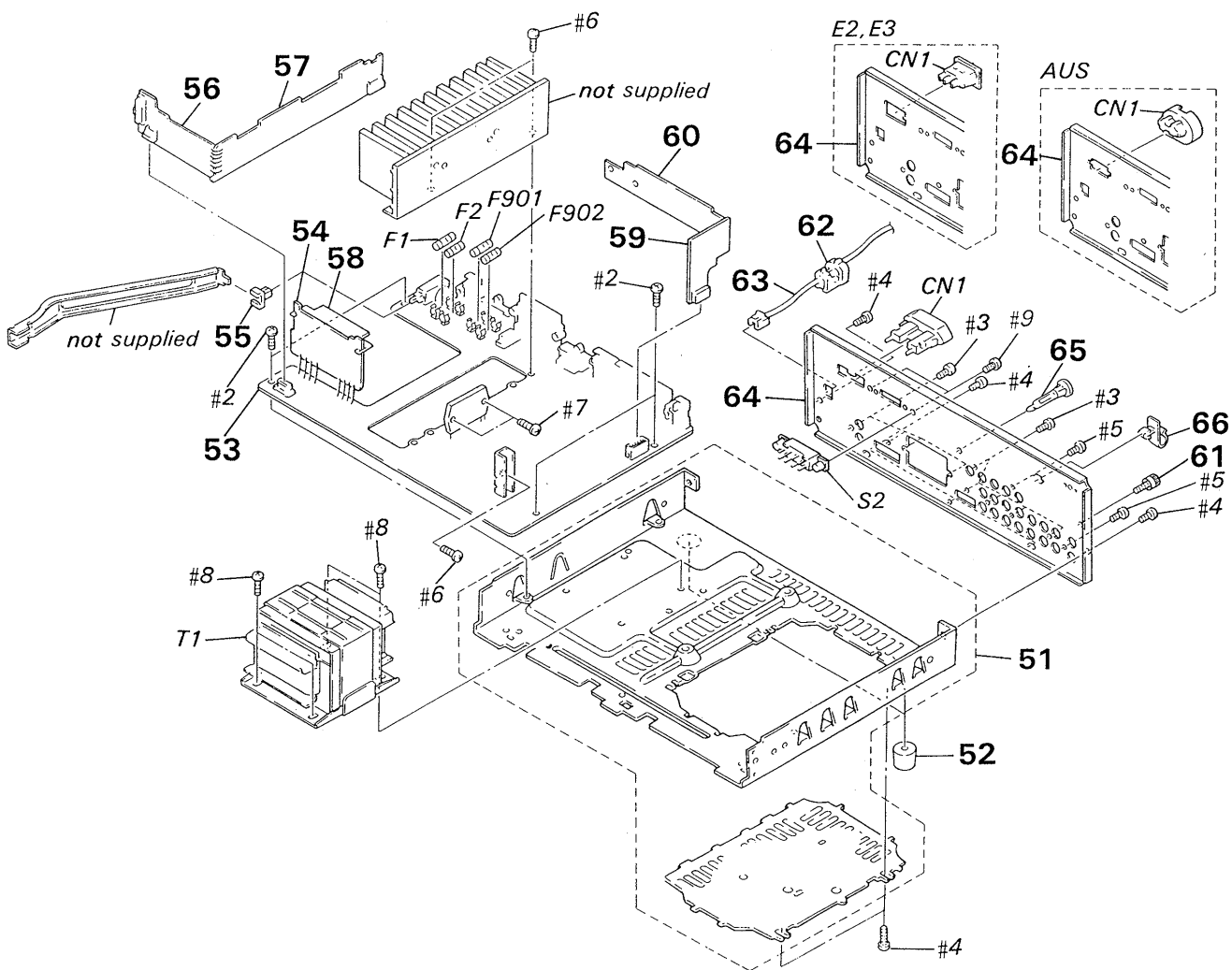
- Hardware (#mark) list is given in the last of this parts list.

## 3-1. CABINET SECTION



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
1	X-4941-407-1	PANEL ASSY, FRONT (E3, EA)		14	1-639-083-11	ROTARY F SW BOARD	
1	X-4941-408-1	PANEL (M) ASSY, FRONT (E2, AUS)		15	* 4-924-098-01	HOLDER, PC BOARD	
2	X-4941-026-1	KNOB (DIA. 36) ASSY, SQUARE		16	* A-4341-964-A	MICOM BOARD, COMPLETE (E3, EA)	
3	4-943-979-01	KNOB (DIA. 16), ROUND		16	* A-4341-965-A	MICOM BOARD, COMPLETE (E2, AUS)	
4	4-933-116-11	KNOB (C. TYPE), LOV		17	4-921-919-01	BUTTON (P)	
5	X-4941-136-1	KNOB ASSY, ROUND		18	* 4-911-047-01	VIBRATION CONTROL (D)	
6	1-639-090-11	VIDEO 3 BOARD		19	1-639-088-11	SP SW BOARD	
7	1-639-091-11	VIDEO 3 CON BOARD		20	4-937-308-01	BUTTON (SP)	
8	1-639-089-11	MIC BOARD		21	3-363-099-01	SCREW (CASE +3X8 TP2)	
9	* 1-590-242-11	WIRE, FLAT TYPE (25 CORE)		22	* 4-939-803-91	CASE	
10	1-639-082-11	MAIN VOL BOARD		J301	1-507-849-11	JACK, LARGE TYPE (MIC)	
11	1-639-085-11	DBFB VOL BOARD		J501	1-507-796-21	JACK (HEADPHONES)	
12	1-639-086-11	MICOM CON. BOARD		RV301	1-241-317-11	RES. VAR, CARBON 50K	
13	* A-4341-960-A	PANEL BOARD, COMPLETE (E3, EA)					
13	* A-4341-961-A	PANEL BOARD, COMPLETE (E2, AUS)					

### 3-2. MAIN BOARD SECTION



Ref.No.	Part No.	Description	Remark
51	* X-4917-246-1	CHASSIS ASSY	
52	4-931-169-01	FOOT	
53	* A-4341-954-A	MAIN BOARD, COMPLETE	
54	1-639-065-11	POWER BOARD	
55	4-866-342-00	JOINT (B), KNOB	
56	1-639-096-11	SP CON. (C) BOARD	
57	1-639-095-11	SP CON. (B) BOARD	
58	1-639-066-11	TRANS CON. BOARD	
59	1-639-092-11	VIDEO CON. BOARD	
60	* A-4341-972-A	VIDEO BOARD, COMPLETE	
61	3-706-165-00	SCREW	
62	* 3-703-244-02	BUSHING (S) (4516), CORD (EA, AUS)	
62	* 3-703-571-11	BUSHING (S) (4516), CORD (E2, E3)	
63	⚠ 1-575-654-11	CORD, POWER (EA)	
63	⚠ 1-575-656-11	CORD, POWER (E2, E3)	
63	⚠ 1-690-056-11	CORD, POWER (AUS)	

Ref.No.	Part No.	Description	Remark
64	* 4-943-604-51	PANEL (B3120), BACK (E2, E3)	
64	* 4-943-604-61	PANEL (B3120), BACK (EA)	
64	* 4-943-604-71	PANEL (B3120), BACK (AUS)	
65	* 4-912-181-21	SUPPORT, PC	
66	* 2-379-614-01	HOOK	
CN1	⚠ 1-526-882-00	OUTLET, AC (E2, E3)	
CN1	⚠ 1-526-794-11	OUTLET, AC (EA)	
CN1	⚠ 1-540-196-11	OUTLET, AC (AUS)	
F1	⚠ 1-532-388-51	FUSE (T2A)	
F2	⚠ 1-532-388-51	FUSE (T2A)	
F901	⚠ 1-532-388-51	FUSE (T2A)	
F902	⚠ 1-532-388-51	FUSE (T2A)	
S2	⚠ 1-570-307-11	SWITCH, VOLTAGE CHANGE	
T1	⚠ 1-450-480-11	TRANSFORMER, POWER	

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

# SECTION 4 ELECTRICAL PARTS LIST

MAIN

POWER

TRANS CON.

EA : Saudi Arabia  
AUS : Australian

**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.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- RESISTORS  
All resistors are in ohms

- METAL : Metal-film resistor
- METAL OXIDE : Metal Oxide-film resistor
- F : nonflammable
- SEMICONDUCTORS  
In each case, u:  $\mu$ , for example:  
uA... :  $\mu$ A..., uPA... :  $\mu$ PA...,  
uPB... :  $\mu$ PB..., uPC... :  $\mu$ PC...,  
uPD... :  $\mu$ PD...
- CAPACITORS  
uF :  $\mu$ F
- COILS  
uH :  $\mu$ H

Note: The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  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	Remark	Ref. No.	Part No.	Description	Remark
	* A-4341-954-A	MAIN BOARD, COMPLETE *****		C203	1-162-282-31	CERAMIC 100PF 10% 50V	
	* 1-639-065-11	POWER BOARD *****		C204	1-162-219-31	CERAMIC 68PF 5% 50V	
	* 1-639-066-11	TRANS CON. BOARD *****		C205	1-124-910-11	ELECT 47uF 20% 50V	
	* 1-533-213-31	HOLDER, FUSE		C206	1-130-480-00	MYLAR 0.0056uF 5% 50V	
	* 1-533-213-31	HOLDER, FUSE		C207	1-130-473-00	MYLAR 0.0015uF 5% 50V	
	* 4-942-204-01	PLATE, GROUND		C208	1-124-464-11	ELECT 0.22uF 20% 50V	
	7-682-548-04	SCREW +BVTT 3X8 (S)		C209	1-124-910-11	ELECT 47uF 20% 50V	
		< CAPACITOR >		C211	1-124-257-00	ELECT 2.2uF 20% 50V	
C1	1-161-744-00	CERAMIC 0.01uF	400V	C213	1-126-161-11	ELECT 2.2uF 20% 50V	
C102	1-124-257-00	ELECT 2.2uF	20% 50V	C215	1-126-161-11	ELECT 2.2uF 20% 50V	
C103	1-162-282-31	CERAMIC 100PF	10% 50V	C222	1-126-059-11	ELECT 10uF 20% 50V	
C104	1-162-219-31	CERAMIC 68PF	5% 50V	C223	1-162-219-31	CERAMIC 68PF 5% 50V	
C105	1-124-910-11	ELECT 47uF	20% 50V	C224	1-162-207-31	CERAMIC 22PF 5% 50V	
C106	1-130-480-00	MYLAR 0.0056uF	5% 50V	C225	1-126-161-11	ELECT 2.2uF 20% 50V	
C107	1-130-473-00	MYLAR 0.0015uF	5% 50V	C238	1-124-910-11	ELECT 47uF 20% 50V	
C108	1-124-464-11	ELECT 0.22uF	20% 50V	C409	1-162-306-11	CERAMIC 0.01uF 20% 16V	
C109	1-124-910-11	ELECT 47uF	20% 50V	C501	1-126-059-11	ELECT 10uF 20% 50V	
C111	1-124-257-00	ELECT 2.2uF	20% 50V	C502	1-162-282-31	CERAMIC 100PF 10% 50V	
C113	1-126-161-11	ELECT 2.2uF	20% 50V	C503	1-162-286-31	CERAMIC 220PF 10% 50V	
C115	1-126-161-11	ELECT 2.2uF	20% 50V	C504	1-126-101-11	ELECT 100uF 20% 16V	
C122	1-126-059-11	ELECT 10uF	20% 50V	C505	1-124-572-11	ELECT 100uF 20% 63V	
C123	1-162-219-31	CERAMIC 68PF	5% 50V	C506	1-124-910-11	ELECT 47uF 20% 50V	
C124	1-162-207-31	CERAMIC 22PF	5% 50V	C507	1-126-059-11	ELECT 10uF 20% 63V	
C125	1-126-161-11	ELECT 2.2uF	20% 50V	C508	1-130-493-00	MYLAR 0.068uF 5% 50V	
C135	1-124-463-00	ELECT 0.1uF	20% 50V	C509	1-130-493-00	MYLAR 0.068uF 5% 50V	
C136	1-126-301-11	ELECT 1uF	20% 50V	C551	1-126-059-11	ELECT 10uF 20% 50V	
C138	1-124-910-11	ELECT 47uF	20% 50V	C552	1-162-282-31	CERAMIC 100PF 10% 50V	
C202	1-124-257-00	ELECT 2.2uF	20% 50V	C553	1-162-286-31	CERAMIC 220PF 10% 50V	
				C554	1-126-101-11	ELECT 100uF 20% 16V	
				C555	1-124-572-11	ELECT 100uF 20% 63V	
				C556	1-124-910-11	ELECT 47uF 20% 50V	
				C557	1-161-494-00	CERAMIC 0.022uF 25V	
				C558	1-130-493-00	MYLAR 0.068uF 5% 50V	
				C559	1-130-493-00	MYLAR 0.068uF 5% 50V	

**MAIN**

**POWER**

**TRANS CON.**

Ref. No.	Part No.	Description	Remark
C601	1-126-101-11	ELECT 100uF 20% 16V	
C602	1-126-101-11	ELECT 100uF 20% 16V	
C603	1-126-163-11	ELECT 4.7uF 20% 50V	
C604	1-124-994-11	ELECT 100uF 20% 10V	
C901	1-126-258-11	ELECT 4700uF 20% 56V	
C902	1-126-258-11	ELECT 4700uF 20% 56V	
C905	1-124-920-11	ELECT 330uF 20% 63V	
C906	1-126-233-11	ELECT 22uF 20% 50V	
C907	1-124-122-11	ELECT 100uF 20% 50V	
C908	1-124-994-11	ELECT 100uF 20% 10V	
C909	1-126-027-11	ELECT 1000uF 20% 25V	
C910	1-126-027-11	ELECT 1000uF 20% 25V	
C911	1-124-910-11	ELECT 47uF 20% 50V	
C912	1-124-910-11	ELECT 47uF 20% 50V	
C913	1-126-023-11	ELECT 100uF 20% 16V	
C914	1-126-023-11	ELECT 100uF 20% 16V	
C915	1-124-910-11	ELECT 47uF 20% 50V	
C916	1-124-463-00	ELECT 0.1uF 20% 50V	
C917	1-130-491-00	MYLAR 0.047uF 5% 50V	
C918	1-126-059-11	ELECT 10uF 20% 50V	

< CONNECTOR >

CN101	* 1-566-858-41	SOCKET, CONNECTOR 11P
CN701	* 1-568-841-11	SOCKET, CONNECTOR 25P
CN901	* 1-566-859-11	SOCKET, CONNECTOR 15P
CNJ501	* 1-569-491-11	SOCKET, CONNECTOR 5P
CNJ601	1-569-492-11	SOCKET, CONNECTOR 6P
CNP1	* 1-564-321-00	PIN, CONNECTOR 2P
CNP301	* 1-565-344-11	PIN, CONNECTOR (PC BOARD) 8P
CNP401	* 1-565-344-11	PIN, CONNECTOR (PC BOARD) 8P

< CERAMIC >

CP901	1-102-394-11	CERAMIC 0.01uF 250V
CP902	1-102-394-11	CERAMIC 0.01uF 250V

< DIODE >

D501	8-719-815-85	DIODE 1S1585
D551	8-719-815-85	DIODE 1S1585
D601	8-719-815-85	DIODE 1S1585
D602	8-719-815-85	DIODE 1S1585
D603	8-719-815-85	DIODE 1S1585
D604	8-719-815-85	DIODE 1S1585
D710	8-719-815-85	DIODE 1S1585
D712	8-719-000-84	DIODE UZL-7M1
D901	8-719-302-38	DIODE RBV-602-01
D902	8-719-200-77	DIODE 10E2N

Ref. No.	Part No.	Description	Remark
D903	8-719-002-67	DIODE UZL-33H	
D904	8-719-014-88	DIODE UZP-6.8BC	
D905	8-719-200-77	DIODE 10E2N	
D906	8-719-200-77	DIODE 10E2N	
D907	8-719-200-77	DIODE 10E2N	
D908	8-719-200-77	DIODE 10E2N	
D909	8-719-200-77	DIODE 10E2N	
D910	8-719-200-77	DIODE 10E2N	
< IC >			
IC101	8-759-634-50	IC M5218LA	
IC102	8-759-805-13	IC LC7821	
IC103	8-759-634-50	IC M5218AL	
IC104	8-759-801-01	IC LC4066	
IC105	8-759-801-01	IC LC4066	
IC501	8-749-920-90	IC STK4201MK2	
IC601	8-759-111-68	IC uPC1237HA	
IC901	8-759-604-32	IC M5F7810L	
IC902	8-759-604-50	IC M5F7910L	
IC903	8-759-820-13	IC L78MR06	

< JACK >

J101	1-565-352-11	JACK, PIN 2P (PHONO)
J102	1-565-320-11	JACK, PIN 6P (CD EQUALIZER)
J103	1-565-258-11	JACK, PIN 4P (VIDEO 2)
J104	1-565-258-11	JACK, PIN 4P (VIDEO 1/DAT)
J502	1-565-352-11	JACK, PIN 2P (SURROUND SPEAKER)

< COIL >

L501	* 1-420-872-00	COIL, AIR CORE
L551	* 1-420-872-00	COIL, AIR CORE

< TRANSISTOR >

Q103	8-729-900-36	TRANSISTOR DTC124ES
Q104	8-729-900-63	TRANSISTOR DTA124ES
Q105	8-729-900-63	TRANSISTOR DTA124ES
Q106	8-729-900-63	TRANSISTOR DTA124ES
Q501	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA
Q551	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA
Q601	8-729-900-63	TRANSISTOR DTA124ES
Q901	8-729-111-67	TRANSISTOR 2SB1094-L

< RESISTOR >

R102	1-249-441-11	CARBON 100K 5% 1/4W
R103	1-249-417-11	CARBON 1K 5% 1/4W
R104	1-249-441-11	CARBON 100K 5% 1/4W
R105	1-249-416-11	CARBON 820 5% 1/4W
R106	1-247-897-11	CARBON 560K 5% 1/4W
R107	1-249-437-11	CARBON 47K 5% 1/4W



MAIN

POWER

TRANS CON.

Ref. No.	Part No.	Description	Remark
R108	1-249-441-11	CARBON 100K	5% 1/4W
R109	1-249-417-11	CARBON 1K	5% 1/4W
R110	1-249-409-11	CARBON 220	5% 1/4W
R111	1-249-417-11	CARBON 1K	5% 1/4W
R112	1-247-903-00	CARBON 1M	5% 1/4W
R113	1-249-417-11	CARBON 1K	5% 1/4W
R114	1-247-903-00	CARBON 1M	5% 1/4W
R115	1-249-417-11	CARBON 1K	5% 1/4W
R116	1-247-903-00	CARBON 1M	5% 1/4W
R119	1-249-413-11	CARBON 470	5% 1/4W
R120	1-247-903-00	CARBON 1M	5% 1/4W
R121	1-249-413-11	CARBON 470	5% 1/4W
R122	1-247-903-00	CARBON 1M	5% 1/4W
R123	1-249-413-11	CARBON 470	5% 1/4W
R124	1-247-903-00	CARBON 1M	5% 1/4W
R125	1-249-417-11	CARBON 1K	5% 1/4W
R126	1-247-903-00	CARBON 1M	5% 1/4W
R127	1-249-417-11	CARBON 1K	5% 1/4W
R128	1-247-903-00	CARBON 1M	5% 1/4W
R129	1-249-417-11	CARBON 1K	5% 1/4W
R130	1-247-903-00	CARBON 1M	5% 1/4W
R131	1-247-903-00	CARBON 1M	5% 1/4W
R132	1-249-438-11	CARBON 56K	5% 1/4W
R133	1-249-438-11	CARBON 56K	5% 1/4W
R134	1-247-903-00	CARBON 1M	5% 1/4W
R135	1-249-438-11	CARBON 56K	5% 1/4W
R148	1-249-433-11	CARBON 22K	5% 1/4W
R149	1-249-441-11	CARBON 100K	5% 1/4W
R150	1-249-417-11	CARBON 1K	5% 1/4W
R151	1-249-417-11	CARBON 1K	5% 1/4W
R152	1-249-417-11	CARBON 1K	5% 1/4W
R153	1-249-433-11	CARBON 22K	5% 1/4W
R154	1-249-433-11	CARBON 22K	5% 1/4W
R155	1-249-417-11	CARBON 1K	5% 1/4W
R156	1-249-433-11	CARBON 22K	5% 1/4W
R157	1-249-417-11	CARBON 1K	5% 1/4W
R162	1-249-417-11	CARBON 1K	5% 1/4W
R202	1-249-441-11	CARBON 100K	5% 1/4W
R203	1-249-417-11	CARBON 1K	5% 1/4W
R204	1-249-441-11	CARBON 100K	5% 1/4W
R205	1-249-416-11	CARBON 820	5% 1/4W
R206	1-247-897-11	CARBON 560K	5% 1/4W
R207	1-249-437-11	CARBON 47K	5% 1/4W
R208	1-249-441-11	CARBON 100K	5% 1/4W
R209	1-249-417-11	CARBON 1K	5% 1/4W
R210	1-249-409-11	CARBON 220	5% 1/4W
R211	1-249-417-11	CARBON 1K	5% 1/4W
R212	1-247-903-00	CARBON 1M	5% 1/4W
R213	1-249-417-11	CARBON 1K	5% 1/4W

Ref. No.	Part No.	Description	Remark
R214	1-247-903-00	CARBON 1M	5% 1/4W
R215	1-249-417-11	CARBON 1K	5% 1/4W
R216	1-247-903-00	CARBON 1M	5% 1/4W
R219	1-249-413-11	CARBON 470	5% 1/4W
R220	1-247-903-00	CARBON 1M	5% 1/4W
R221	1-249-413-11	CARBON 470	5% 1/4W
R222	1-247-903-00	CARBON 1M	5% 1/4W
R223	1-249-413-11	CARBON 470	5% 1/4W
R224	1-247-903-00	CARBON 1M	5% 1/4W
R225	1-249-417-11	CARBON 1K	5% 1/4W
R226	1-247-903-00	CARBON 1M	5% 1/4W
R227	1-249-417-11	CARBON 1K	5% 1/4W
R228	1-247-903-00	CARBON 1M	5% 1/4W
R229	1-249-417-11	CARBON 1K	5% 1/4W
R230	1-247-903-00	CARBON 1M	5% 1/4W
R231	1-247-903-00	CARBON 1M	5% 1/4W
R232	1-249-438-11	CARBON 56K	5% 1/4W
R233	1-249-438-11	CARBON 56K	5% 1/4W
R234	1-247-903-00	CARBON 1M	5% 1/4W
R235	1-249-438-11	CARBON 56K	5% 1/4W
R501	1-249-417-11	CARBON 1K	5% 1/4W
R502	1-249-438-11	CARBON 56K	5% 1/4W
R503	1-249-413-11	CARBON 470	5% 1/4W
R504	1-249-438-11	CARBON 56K	5% 1/4W
R505	1-247-760-11	CARBON 4.7K	5% 1/2W
R506	1-247-760-11	CARBON 4.7K	5% 1/2W
R507	⚠ 1-212-881-11	FUSIBLE 100	5% 1/4W F
R508	1-247-752-11	CARBON 1K	5% 1/2W
R509	1-247-752-11	CARBON 1K	5% 1/2W
R510	1-249-417-11	CARBON 1K	5% 1/4W
R511	1-249-431-11	CARBON 15K	5% 1/4W
R512	1-217-156-00	RES. METAL PLATE 0.22	
R513	1-249-441-11	CARBON 100K	5% 1/4W
R514	1-249-438-11	CARBON 56K	5% 1/4W
R515	1-247-727-11	CARBON 10	5% 1/2W
R516	1-247-727-11	CARBON 10	5% 1/2W
R551	1-249-417-11	CARBON 1K	5% 1/4W
R552	1-249-438-11	CARBON 56K	5% 1/4W
R553	1-249-413-11	CARBON 470	5% 1/4W
R554	1-249-438-11	CARBON 56K	5% 1/4W
R555	1-247-760-11	CARBON 4.7K	5% 1/2W
R556	1-247-760-11	CARBON 4.7K	5% 1/2W
R557	⚠ 1-212-881-11	FUSIBLE 100	5% 1/4W F
R560	1-249-417-11	CARBON 1K	5% 1/4W
R561	1-249-431-11	CARBON 15K	5% 1/4W
R562	1-217-156-00	RES. METAL PLATE 0.22	
R563	1-249-441-11	CARBON 100K	5% 1/4W
R564	1-249-437-11	CARBON 47K	5% 1/4W
R565	1-247-727-11	CARBON 10	5% 1/2W

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

MAIN POWER TRANS CON. PANEL MICOM VIDEO  
MAIN VOL ROTARY F SW DBFB VOL MICOM CON.  
SP SW MIC VIDEO 3 VIDEO 3 CON. VIDEO CON.  
SP CON. (B) SP CON. (C)

Ref. No.	Part No.	Description	Remark
R566	1-247-727-11	CARBON 10 5%	1/2W
R601	1-249-429-11	CARBON 10K 5%	1/4W
R602	1-249-441-11	CARBON 100K 5%	1/4W
R603	1-249-433-11	CARBON 22K 5%	1/4W
R604	1-249-437-11	CARBON 47K 5%	1/4W
R605	1-249-487-11	CARBON 15K 5%	1/2W
R606	△ 1-216-457-00	METAL OXIDE 1.2K 5%	2W F
R901	1-214-789-00	RES, METAL PLATE 0.1	
R902	1-214-789-00	RES, METAL PLATE 0.1	
R903	1-214-789-00	RES, METAL PLATE 0.1	
R904	1-214-789-00	RES, METAL PLATE 0.1	
R905	1-214-789-00	RES, METAL PLATE 0.1	
R906	1-214-789-00	RES, METAL PLATE 0.1	
R907	1-249-422-11	CARBON 2.7K 5%	1/4W
R908	1-247-761-11	CARBON 5.6K 5%	1/2W
R909	△ 1-217-469-00	FUSIBLE 1 5%	1W F
R910	△ 1-217-469-00	FUSIBLE 1 5%	1W F
R950	1-247-713-11	CARBON 1K 5%	1/4W
< RELAY >			
RY601	1-515-765-11	RELAY	
< SWITCH >			
S1	△ 1-554-920-51	SWITCH, PUSH (AC POWER) (1 KEY)	
< TERMINAL >			
TM1	* 1-535-142-00	BASE POST 19MM (10MM PITCH) 5P	
TM501	1-536-706-00	TERMINAL BOARD (SP)	
*****			
* A-4341-960-A PANEL BOARD, COMPLETE (E3, EA)			
* A-4341-961-A PANEL BOARD, COMPLETE (E2, AUS)			
*****			
* A-4341-964-A MICOM BOARD, COMPLETE (E3, EA)			
* A-4341-965-A MICOM BOARD, COMPLETE (E2, AUS)			
*****			
* A-4341-972-A VIDEO BOARD, COMPLETE			
*****			
* 1-639-082-11 MAIN VOL BOARD			
*****			
* 1-639-083-11 ROTARY F SW BOARD			
*****			
* 1-639-085-11 DBFB VOL BOARD			
*****			
* 1-639-086-11 MICOM CON. BOARD			
*****			
* 1-639-088-11 SP SW BOARD			
*****			

Ref. No.	Part No.	Description	Remark
* 1-639-089-11	MIC BOARD	*****	
* 1-639-090-11	VIDEO 3 BOARD	*****	
* 1-639-091-11	VIDEO 3 CON. BOARD	*****	
* 1-639-092-11	VIDEO CON. BOARD	*****	
* 1-639-095-11	SP CON. (B) BOARD	*****	
* 1-639-096-11	SP CON. (C) BOARD	*****	
< CAPACITOR >			
C117	1-126-161-11	ELECT 2.2uF	20% 50V
C126	1-130-473-00	MYLAR 0.0015uF	5% 50V
C127	1-130-484-00	MYLAR 0.012uF	5% 50V
C128	1-130-484-00	MYLAR 0.012uF	5% 50V
C129	1-162-219-31	CERAMIC 68PF	5% 50V
C130	1-162-282-31	CERAMIC 100PF	10% 50V
C131	1-126-161-11	ELECT 2.2uF	20% 50V
C132	1-136-169-00	FILM 0.22uF	5% 50V
C134	1-124-465-00	ELECT 0.47uF	20% 50V
C137	1-124-910-11	ELECT 47uF	20% 50V
C217	1-126-161-11	ELECT 2.2uF	20% 50V
C226	1-130-473-00	MYLAR 0.0015uF	5% 50V
C227	1-130-484-00	MYLAR 0.012uF	5% 50V
C228	1-130-484-00	MYLAR 0.012uF	5% 50V
C229	1-162-219-31	CERAMIC 68PF	5% 50V
C230	1-162-282-31	CERAMIC 100PF	10% 50V
C231	1-126-161-11	ELECT 2.2uF	20% 50V
C232	1-136-169-00	FILM 0.22uF	5% 50V
C234	1-124-465-00	ELECT 0.47uF	20% 50V
C237	1-124-910-11	ELECT 47uF	20% 50V
C301	1-124-257-00	ELECT 2.2uF	20% 50V
C302	1-162-294-31	CERAMIC 0.001uF	10% 50V
C303	1-162-219-31	CERAMIC 68PF	5% 50V
C304	1-162-284-31	CERAMIC 150PF	10% 50V
C305	1-124-463-00	ELECT 0.1uF	20% 50V
C306	1-124-257-00	ELECT 2.2uF	20% 50V
C307	1-162-219-31	CERAMIC 68PF	5% 50V
C308	1-161-375-00	CERAMIC 0.0022uF	20% 50V
C309	1-130-493-00	MYLAR 0.068uF	5% 50V
C310	1-124-234-00	ELECT 22uF	20% 16V
C311	1-124-234-00	ELECT 22uF	20% 16V
C401	1-126-059-11	ELECT 10uF	20% 50V
C402	1-126-059-11	ELECT 10uF	20% 50V
C403	1-126-059-11	ELECT 10uF	20% 50V
C404	1-124-471-00	ELECT 1000uF	20% 6.3V

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

PANEL

MICOM

VIDEO

MAIN VOL

ROTARY F SW

DBFB VOL

MICOM CON.

SP SW

MIC

VIDEO 3

VIDEO 3 CON.

VIDEO CON.

SP CON. (B)

SP CON. (C)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C405	1-124-471-00	ELECT	1000uF 20% 6.3V	D706	8-719-301-37	DIODE SEL2210S-CD (E3, EA)	
C406	1-124-471-00	ELECT	1000uF 20% 6.3V	D707	8-719-200-77	DIODE 10E2N	
C407	1-161-494-00	CERAMIC	0.022uF 25V	D708	8-719-200-77	DIODE 10E2N	
C408	1-126-049-11	ELECT	22uF 20% 25V	D709	8-719-200-77	DIODE 10E2N	
C701	1-161-494-00	CERAMIC	0.022uF 25V	D711	8-719-912-20	DIODE 1SS120	
C702	1-161-494-00	CERAMIC	0.022uF 25V	D713	8-719-912-20	DIODE 1SS120	
C703	1-161-494-00	CERAMIC	0.022uF 25V	D714	8-719-200-77	DIODE 10E2N	
C704	1-124-638-11	ELECT	22uF 20% 10V	D715	8-719-200-77	DIODE 10E2N	
C705	1-126-154-11	ELECT	47uF 20% 6.3V	D716	8-719-200-82	DIODE 11ES2	
C706	1-161-494-00	CERAMIC	0.022uF 25V	D717	8-719-200-82	DIODE 11ES2	
C707	1-126-154-11	ELECT	47uF 20% 6.3V	D718	8-719-200-82	DIODE 11ES2	
C708	1-161-494-00	CERAMIC	0.022uF 25V	D719	8-719-200-77	DIODE 10E2N	
C709	1-136-165-00	FILM	0.1uF 5% 50V	D720	8-719-912-20	DIODE 1SS120	
C710	1-136-153-00	FILM	0.01uF 5% 50V	D721	8-719-912-20	DIODE 1SS120	
C711	1-162-294-31	CERAMIC	0.001uF 10% 50V	D722	8-719-912-20	DIODE 1SS120	
C712	1-161-494-00	CERAMIC	0.022uF 25V	D723	8-719-912-20	DIODE 1SS120	
C713	1-126-059-11	ELECT	10uF 20% 50V			< IC >	
C714	1-161-494-00	CERAMIC	0.022uF 25V	IC106	8-759-801-01	IC LC4966	
C715	1-161-494-00	CERAMIC	0.022uF 25V	IC107	8-759-801-01	IC LC4966	
C716	1-126-049-11	ELECT	22uF 20% 25V	IC108	8-759-634-50	IC M5218AL	
C717	1-161-494-00	CERAMIC	0.022uF 25V	IC109	8-759-634-50	IC M5218AL	
C718	1-126-022-11	ELECT	47uF 20% 16V	IC301	8-759-710-73	IC NJM4580L	
C719	1-161-494-00	CERAMIC	0.022uF 25V	IC401	8-759-991-77	IC BA7625	
C720	1-125-507-11	CAP, DOUBLE LAYERS 0.22F		IC701	8-759-153-82	IC uPD75106CW-191	
C721	1-164-159-11	CERAMIC	0.1uF 50V	IC702	8-759-962-08	IC BA6208	
		< VIBRATOR >		IC703	8-759-962-08	IC BA6208	
CF701	1-577-359-21	VIBRATOR, CERAMIC		IC704	8-759-208-06	IC TC4051BPHB	
		< CONNECTOR >		IC705	8-759-208-06	IC TC4051BPHB	
CN702	* 1-568-841-11	SOCKET, CONNECTOR 25P		IC706	8-759-991-02	IC NE555P	
CNJ201	* 1-565-364-11	HOUSING, CONNECTOR (PC BOARD) 11P		IC707	8-759-820-62	IC LB1639	
CNJ301	* 1-565-347-11	SOCKET, CONNECTOR (PC BOARD) 8P				< JACK >	
CNJ401	* 1-565-347-11	SOCKET, CONNECTOR (PC BOARD) 8P		J105	1-580-174-41	JACK, PIN (3P FRONT) (VIDEO 3)	
CNJ502	1-569-497-11	SOCKET, CONNECTOR 11P		J301	1-507-854-00	JACK, PHONE (MIC)	
CNP201	* 1-565-365-11	PIN, CONNECTOR (PC BOARD) 11P		J401	1-565-934-11	JACK, PIN 2P (VIDEO 2)	
CNP501	* 1-569-500-11	PIN, CONNECTOR 5P		J402	1-565-933-11	JACK, PIN 3P (VIDEO 1/DAT, MONITOR)	
CNP502	* 1-569-506-11	PIN, CONNECTOR 11P		J501	1-507-796-71	JACK (HEADPHONES)	
CNP601	* 1-569-501-11	PIN, CONNECTOR 6P				< COIL >	
		< DIODE >		L401	1-410-521-11	INDUCTOR 100uH	
D401	8-719-200-77	DIODE 10E2N				< TRANSISTOR >	
D701	8-719-301-37	DIODE SEL2210S-CD		Q101	8-729-620-05	TRANSISTOR 2SC2603-EF	
D702	8-719-301-37	DIODE SEL2210S-CD		Q102	8-729-141-26	TRANSISTOR 2SC3622A-LK	
D703	8-719-301-37	DIODE SEL2210S-CD		Q107	8-729-900-36	TRANSISTOR DTC124ES	
D704	8-719-301-37	DIODE SEL2210S-CD (E3, EA)		Q108	8-729-900-63	TRANSISTOR DTA124ES	
D705	8-719-301-37	DIODE SEL2210S-CD (E3, EA)		Q109	8-729-900-63	TRANSISTOR DTA124ES	
				Q110	8-729-900-63	TRANSISTOR DTA124ES	

PANEL

MICOM

VIDEO

MAIN VOL

ROTARY F SW

DBFB VOL

MICOM CON.

SP SW

MIC

VIDEO 3

VIDEO 3 CON.

VIDEO CON.

SP CON. (B)

SP CON. (C)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q201	8-729-620-05	TRANSISTOR 2SC2603-EF		R303	1-249-429-11	CARBON 10K 5%	1/4W
Q202	8-729-141-26	TRANSISTOR 2SC3622A-LK		R304	1-249-412-11	CARBON 390 5%	1/4W
Q401	8-729-119-76	TRANSISTOR 2SA1175-HFE		R305	1-249-429-11	CARBON 10K 5%	1/4W
Q402	8-729-119-76	TRANSISTOR 2SA1175-HFE		R306	1-249-417-11	CARBON 1K 5%	1/4W
Q403	8-729-119-76	TRANSISTOR 2SA1175-HFE		R307	1-249-441-11	CARBON 100K 5%	1/4W
Q404	8-729-620-05	TRANSISTOR 2SC2603-EF		R308	1-249-417-11	CARBON 1K 5%	1/4W
Q701	8-729-900-36	TRANSISTOR DTC124ES		R309	1-249-429-11	CARBON 10K 5%	1/4W
Q702	8-729-900-63	TRANSISTOR DTA124ES		R310	1-249-416-11	CARBON 820 5%	1/4W
Q703	8-729-900-36	TRANSISTOR DTC124ES		R401	1-247-804-11	CARBON 75 5%	1/4W
Q704	8-729-900-63	TRANSISTOR DTA124ES		R402	1-247-804-11	CARBON 75 5%	1/4W
Q705	8-729-900-63	TRANSISTOR DTA124ES		R403	1-247-804-11	CARBON 75 5%	1/4W
Q706	8-729-620-05	TRANSISTOR 2SC2603-EF		R404	1-249-403-11	CARBON 68 5%	1/4W
Q707	8-729-900-36	TRANSISTOR DTC124ES		R405	1-249-429-11	CARBON 10K 5%	1/4W
< RESISTOR >				R406	1-249-403-11	CARBON 68 5%	1/4W
R117	1-249-417-11	CARBON 1K 5%	1/4W	R407	1-249-429-11	CARBON 10K 5%	1/4W
R118	1-247-903-00	CARBON 1M 5%	1/4W	R408	1-249-403-11	CARBON 68 5%	1/4W
R136	1-249-428-11	CARBON 8. 2K 5%	1/4W	R409	1-249-429-11	CARBON 10K 5%	1/4W
R137	1-249-435-11	CARBON 33K 5%	1/4W	R410	1-249-408-11	CARBON 180 5%	1/4W
R138	1-249-435-11	CARBON 33K 5%	1/4W	R411	1-249-408-11	CARBON 180 5%	1/4W
R139	1-247-903-00	CARBON 1M 5%	1/4W	R412	1-249-408-11	CARBON 180 5%	1/4W
R140	1-249-417-11	CARBON 1K 5%	1/4W	R413	1-249-408-11	CARBON 180 5%	1/4W
R141	1-249-433-11	CARBON 22K 5%	1/4W	R414	1-249-408-11	CARBON 180 5%	1/4W
R142	1-249-425-11	CARBON 4. 7K 5%	1/4W	R415	1-249-408-11	CARBON 180 5%	1/4W
R143	1-249-424-11	CARBON 3. 9K 5%	1/4W	R416	1-249-429-11	CARBON 10K 5%	1/4W
R144	1-249-441-11	CARBON 100K 5%	1/4W	R417	1-249-417-11	CARBON 1K 5%	1/4W
R145	1-249-427-11	CARBON 6. 8K 5%	1/4W	R418	1-249-433-11	CARBON 22K 5%	1/4W
R146	1-249-412-11	CARBON 390 5%	1/4W	R419	1-249-417-11	CARBON 1K 5%	1/4W
R147	1-249-429-11	CARBON 10K 5%	1/4W	R420	1-249-433-11	CARBON 22K 5%	1/4W
R158	1-249-433-11	CARBON 22K 5%	1/4W	R517	1-247-750-11	CARBON 680 5%	1/2W
R159	1-249-433-11	CARBON 22K 5%	1/4W	R567	1-247-750-11	CARBON 680 5%	1/2W
R160	1-249-429-11	CARBON 10K 5%	1/4W	R701	1-249-433-11	CARBON 22K 5%	1/4W
R161	1-249-441-11	CARBON 100K 5%	1/4W	R702	1-249-417-11	CARBON 1K 5%	1/4W
R217	1-249-417-11	CARBON 1K 5%	1/4W	R703	1-249-429-11	CARBON 10K 5%	1/4W
R218	1-247-903-00	CARBON 1M 5%	1/4W	R704	1-249-429-11	CARBON 10K 5%	1/4W
R219	1-249-433-11	CARBON 22K 5%	1/4W	R705	1-249-429-11	CARBON 10K 5%	1/4W
R236	1-249-428-11	CARBON 8. 2K 5%	1/4W	R706	1-249-429-11	CARBON 10K 5%	1/4W
R237	1-249-435-11	CARBON 33K 5%	1/4W	R707	1-249-429-11	CARBON 10K 5%	1/4W
R238	1-249-435-11	CARBON 33K 5%	1/4W	R708	1-249-433-11	CARBON 22K 5%	1/4W
R239	1-247-903-00	CARBON 1M 5%	1/4W	R709	1-249-433-11	CARBON 22K 5%	1/4W
R240	1-249-417-11	CARBON 1K 5%	1/4W	R710	1-249-433-11	CARBON 22K 5%	1/4W
R241	1-249-433-11	CARBON 22K 5%	1/4W	R711	1-249-433-11	CARBON 22K 5%	1/4W
R242	1-249-425-11	CARBON 4. 7K 5%	1/4W	R712	1-249-433-11	CARBON 22K 5%	1/4W
R243	1-249-424-11	CARBON 3. 9K 5%	1/4W	R713	1-249-433-11	CARBON 22K 5%	1/4W
R244	1-249-441-11	CARBON 100K 5%	1/4W	R714	1-249-433-11	CARBON 22K 5%	1/4W
R245	1-249-427-11	CARBON 6. 8K 5%	1/4W	R715	1-249-433-11	CARBON 22K 5%	1/4W
R246	1-249-412-11	CARBON 390 5%	1/4W	R716	1-249-433-11	CARBON 22K 5%	1/4W
R247	1-249-429-11	CARBON 10K 5%	1/4W	R717	1-249-429-11	CARBON 10K 5%	1/4W
R301	1-249-441-11	CARBON 100K 5%	1/4W	R718	1-249-410-11	CARBON 270 5%	1/4W
R302	1-249-417-11	CARBON 1K 5%	1/4W	R719	1-249-409-11	CARBON 220 5%	1/4W



PANEL MICOM VIDEO MAIN VOL ROTARY F SW

DBFB VOL MICOM CON. SP SW MIC VIDEO 3

VIDEO 3 CON. VIDEO CON. SP CON. (B) SP CON. (C)

Ref. No.	Part No.	Description	Remark
R720	1-249-410-11	CARBON 270 5%	1/4W
R721	1-249-410-11	CARBON 270 5%	1/4W
R722	1-249-421-11	CARBON 2.2K 5%	1/4W
R723	1-249-421-11	CARBON 2.2K 5%	1/4W
R724	1-249-421-11	CARBON 2.2K 5%	1/4W
R725	1-249-421-11	CARBON 2.2K 5%	1/4W
R726	1-249-412-11	CARBON 390 5%	1/4W (E3, EA)
R727	1-249-412-11	CARBON 390 5%	1/4W (E3, EA)
R728	1-249-412-11	CARBON 390 5%	1/4W (E3, EA)
R729	1-249-415-11	CARBON 680 5%	1/4W
R730	1-249-421-11	CARBON 2.2K 5%	1/4W
R731	1-249-429-11	CARBON 10K 5%	1/4W
R732	1-249-421-11	CARBON 2.2K 5%	1/4W
R733	1-249-429-11	CARBON 10K 5%	1/4W
R734	1-249-429-11	CARBON 10K 5%	1/4W
R735	1-249-429-11	CARBON 10K 5%	1/4W
R736	1-249-429-11	CARBON 10K 5%	1/4W
R737	1-249-429-11	CARBON 10K 5%	1/4W
R738	1-249-429-11	CARBON 10K 5%	1/4W
R739	1-249-429-11	CARBON 10K 5%	1/4W
R740	1-249-429-11	CARBON 10K 5%	1/4W
R741	1-249-429-11	CARBON 10K 5%	1/4W
R742	1-249-415-11	CARBON 680 5%	1/4W
R743	1-249-438-11	CARBON 56K 5%	1/4W
R744	1-247-885-00	CARBON 180K 5%	1/4W
R745	1-249-429-11	CARBON 10K 5%	1/4W
R746	1-249-417-11	CARBON 1K 5%	1/4W
R747	1-249-417-11	CARBON 1K 5%	1/4W
R748	1-249-433-11	CARBON 22K 5%	1/4W
R749	1-249-424-11	CARBON 3.9K 5%	1/4W
R750	1-249-429-11	CARBON 10K 5%	1/4W
R751	1-249-425-11	CARBON 4.7K 5%	1/4W
R752	1-249-429-11	CARBON 10K 5%	1/4W
R753	1-249-417-11	CARBON 1K 5%	1/4W
R754	1-247-903-00	CARBON 1M 5%	1/4W
R755	1-249-417-11	CARBON 1K 5%	1/4W
R756	1-249-415-11	CARBON 680 5%	1/4W
R757	1-249-419-11	CARBON 1.5K 5%	1/4W
R758	1-249-417-11	CARBON 1K 5%	1/4W
R759	1-249-417-11	CARBON 1K 5%	1/4W
R760	1-249-417-11	CARBON 1K 5%	1/4W
R761	1-249-417-11	CARBON 1K 5%	1/4W
R762	1-249-417-11	CARBON 1K 5%	1/4W
R763	1-249-433-11	CARBON 22K 5%	1/4W
R764	1-249-433-11	CARBON 22K 5%	1/4W
R765	1-249-433-11	CARBON 22K 5%	1/4W
R766	1-249-433-11	CARBON 22K 5%	1/4W
R767	1-249-417-11	CARBON 1K 5%	1/4W
R768	1-249-417-11	CARBON 1K 5%	1/4W

Ref. No.	Part No.	Description	Remark
R769	1-249-417-11	CARBON 1K 5%	1/4W
R770	1-249-429-11	CARBON 10K 5%	1/4W
R771	1-249-417-11	CARBON 1K 5%	1/4W
R772	1-249-417-11	CARBON 1K 5%	1/4W
R773	1-249-417-11	CARBON 1K 5%	1/4W

< VARIABLE RESISTOR >

RV101	1-238-978-11	RES. VAR. CARBON 100KX2 (TREBLE)
RV102	1-238-978-11	RES. VAR. CARBON 100KX2 (BASS)
RV103	1-241-508-11	RES. VAR. CARBON 100K/100K (DBFB LEVEL)
RV104	1-238-459-11	RES. VAR. CARBON 100K (BALANCE)
RV105	1-238-708-21	RES. VAR. CARBON 10K/100K/100K (VOLUME)
RV301	1-241-317-11	RES. VAR. CARBON 50K (MIC LEVEL)

< SWITCH >

S501	1-571-987-11	SWITCH, PUSH (2 KEY) (SPEAKERS)
S701	1-572-733-11	SWITCH, ROTARY (WITH MOTOR) (FUNCTION VIDEO)
S702	1-572-732-11	SWITCH, ROTARY (WITH MOTOR) (FUNCTION AUDIO)
S703	1-554-303-21	SWITCH, TACTILE (SET) (E3, EA)
S704	1-554-303-21	SWITCH, TACTILE (3) (E3, EA)
S705	1-554-303-21	SWITCH, TACTILE (2) (E3, EA)
S706	1-554-303-21	SWITCH, TACTILE (1) (E3, EA)
S707	1-554-303-21	SWITCH, TACTILE (DBFB)
S708	1-554-303-21	SWITCH, TACTILE (EQ REC)
S709	1-554-303-21	SWITCH, TACTILE (CD DIRECT)

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MISCELLANEOUS  
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9	* 1-590-242-11	WIRE, FLAT TYPE (25 CORE)
63	△ 1-575-654-11	CORD, POWER (EA)
63	△ 1-575-656-11	CORD, POWER (E2, E3)
63	△ 1-690-056-11	CORD, POWER (AUS)
CN1	△ 1-526-794-11	OUTLET, AC (EA)
CN1	△ 1-526-882-00	OUTLET, AC (E2, E3)
CN1	△ 1-540-196-11	OUTLET, AC (AUS)
F1	△ 1-532-388-51	FUSE (T2A)
F2	△ 1-532-388-51	FUSE (T2A)
F901	△ 1-532-388-51	FUSE (T2A)
F902	△ 1-532-388-51	FUSE (T2A)
J301	1-507-849-11	JACK, LARGE TYPE (MIC)
J501	1-507-796-21	JACK (HEADPHONES)
S2	△ 1-570-307-11	SWITCH, VOLTAGE CHANGE
T1	△ 1-450-480-11	TRANSFORMER, POWER

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

Ref. No.	Part No.	Description	Remark
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ACCESSORY & PACKING MATERIAL  
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\* 4-934-859-01 CUSHION

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**HARDWARE LIST**

- |     |              |                             |  |
|-----|--------------|-----------------------------|--|
| # 1 | 7-621-773-93 | SCREW (PANEL 2.6 TP2)       |  |
| # 2 | 7-682-547-04 | SCREW +BVTT 3X6 (S)         |  |
| # 3 | 7-685-647-79 | SCREW +BVTP 3X10 TYPE2 N-S  |  |
| # 4 | 7-682-547-09 | SCREW +BVTT 3X6 (S)         |  |
| # 5 | 7-621-849-00 | SCREW, TAPPING              |  |
| # 6 | 7-682-548-04 | SCREW +BVTT 3X8 (S)         |  |
| # 7 | 7-685-650-79 | SCREW +BVTP 3X16 TYPE2 IT-3 |  |
| # 8 | 7-682-560-04 | SCREW +BVTT 4X6 (S)         |  |
| # 9 | 7-685-534-19 | SCREW +BTP 2.6X8 TYPE2 N-S  |  |

# TA-D705

## SONY® SERVICE MANUAL

*E Model*  
*Australian Model*

### SUPPLEMENT-1

File this supplement with the service manual.

Block Diagram

**BLOCK DIAGRAM**

