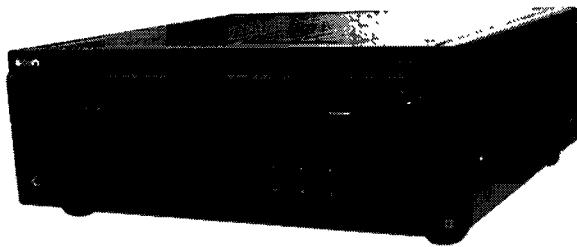


STR-DA80ES/TA-V88ES/TA-VA80ES

SERVICE MANUAL



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Photo: STR-DA80ES

*US Model
Canadian Model*

STR-DA80ES

AEP Model

UK Model

TA-VA80ES

E Model

STR-DA80ES/TA-VA80ES

Australian Model

PX Model

STR-DA80ES

Chinese Model

TA-V88ES

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 8-ohm load, both channels driven, from 20-20,000 Hz, rated 100 watts per channel, minimum RMS power, with no more than 0.09 % total harmonic distortion from 250 milliwatts to rated output (US model).

Amplifier section

POWER OUTPUT

Stereo mode STR-DA80ES:

(8 ohms 20 Hz-20 kHz,
THD 0.05 %)

100 W + 100 W

TA-V88ES:

(6 ohms at 1 kHz, THD 0.7%)

100 W + 100 W

TA-VA80ES:

(4 ohms at 1 kHz, THD 0.7%)

100 W + 100 W

Surround mode

STR-DA80ES:

(8 ohms at 1 kHz,
THD 0.05 %)

Front : 100 W + 100 W

Center¹⁾ : 100 W

Rear¹⁾ : 100 W + 100 W

TA-V88ES:

(6 ohms at 1 kHz, THD 0.7%)

Front : 100 W + 100 W

Center¹⁾ : 100 W

Rear¹⁾ : 100 W + 100 W

TA-VA80ES:

(4 ohms at 1 kHz, THD 0.7%)

Front : 100 W + 100 W

Center¹⁾ : 100 W

Rear¹⁾ : 100 W + 100 W

¹⁾ Depending on the sound field settings and the source, sound will not be output.

Dynamic power output

155 W + 155 W, 8 ohms
220 W + 220 W, 4 ohms
(STR-DA80ES: US, Canadian)

	Inputs	S/N	
		Sensitivity	Impedance (weighting network, input level)
PHONO	2.5 mV	50 kilohms	75 dB (A, 2.5 mV)

Harmonic distortion at rated output

STR-DA80ES:
Less than 0.05 % (with
DIRECT PASS on)
TA-V88ES/TA-VA80ES:
Less than 0.7 % (with
DIRECT PASS on)

CD	200 mV (STR-DA80ES) 150 mV (TA-V88ES/VA80ES)	50	82 dB
TAPE, DAT/ MD, VIDEO	200 mV (STR-DA80ES) kilohms	50	82 dB (A, 150 mV)
1, 2, 3	150 mV LD, TV/DBS (TA-V88ES/VA80ES)	—	—

Frequency response

PHONO:
RIAA equalization curve
±0.5 dB
CD, TAPE, DAT/MD,
VIDEO 1, 2, 3, LD/DVD,
TV (/DBS):
10 Hz-50 kHz ±0.5 dB (with
DIRECT PASS on)

LD DVD	150 mV (TA-V88ES/VA80ES)	—	100 dB
AC-3 RF IN	—	75 Ω	(A, 20 kHz, LPF)
LD DVD	—	—	—
COAXIAL IN	0.5 Vp-p	75 Ω	100 dB (A, 20 kHz, LPF)
LD DVD/TV (DBS)/CD/ DAT MD OPTICAL IN	—	—	100 dB (A, 20 kHz, LPF)

STR-DA80ES

FM STEREO/FM-AM RECEIVER

TA-V88ES/TA-VA80ES

INTEGRATED AV AMPLIFIER



SONY®

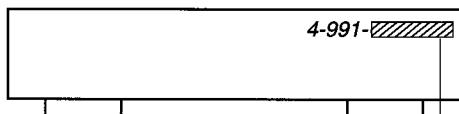
Outputs	REC OUT: DAT/MD, TAPE Voltage: 200 mV (STR-DA80ES) 150 mV (TA-V88ES/VA80ES)	FM tuner section (STR-DA80ES) Tuning range 87.5-108.0 MHz Antenna terminals 75 ohms, unbalanced	Outputs General System Tuner section: PLL quartz-locked digital synthesizer system (STR-DA80ES) Preamplifier section: Low-noise NF type equalizer Power amplifier section: Pure-complementary parallel P.P.	VIDEO: 1 Vp-p 75 ohms S VIDEO: Y: 1 Vp-p 75 ohms C: 0.286 Vp-p 75 ohms
	Impedance: 1 kilohm			
	AUDIO OUT: VIDEO 1, 2 Voltage: 200 mV (STR-DA80ES) 150 mV (TA-V88ES/VA80ES)	Sensitivity Mono: 18.3 dBf, 4.5 µV Stereo: 38.3 dBf, 45 µV		
	Impedance: 1 kilohm	Usable sensitivity 11.2 dBf, 2 µV (IHF)		
	PRE OUT: Voltage: 2 Vrms Impedance: 1 kilohm	S/N Mono: 76 dB Stereo: 70 dB		
	PHONES: Accepts low and high impedance headphones	Harmonic distortion at 1 kHz Mono: 0.3 % Stereo: 0.5 %		
	BASS BOOST +6 dB at 70 Hz (STR-DA80ES) +10 dB at 70 Hz (TA-V88ES/VA80ES)	Separation 45 dB at 1 kHz		
		Frequency response 30 Hz-15 kHz ± 5 dB		
		Selectivity 60 dB at 400 kHz		
		AM tuner section (STR-DA80ES) Tuning range With 10 kHz interval: 530-1710 kHz (US and Canadian models ³⁾) 530-1610 kHz (models for all other countries except for Australia) With 9 kHz interval: 531-1710 kHz (US and Canadian models) 531-1602 kHz (Australian model and models for all other countries ³⁾ .)		
Digital signal processor section	Modulation (A/D conversion) High Density Linear Converter			
	Demodulation (D/A conversion) High Density Linear Converter (Advanced pulse D/A converter)			
	Sampling frequency 48 kHz			
	Surround LFE MIX: MUTE, -20 - 0 dB, 0.5 dB step			
	D.RANGE COMP: OFF, 0.1 - 0.9, STD, MAX			
	REAR level: -20 - +10 dB, 0.5 dB step			
	CENTER level: -20 - +10 dB, 0.5 dB step			
	SUB WOOFER level: -20 - +10 dB, 0.5 dB step			
	EFFECT: 21-step adjustable			
	WALL: 17-step adjustable			
Equalizer	SEAT F/R: 17-step adjustable L/R: 17-step adjustable			
	REBERB time: 17-step adjustable			
	BAND: BASS/TREBLE Turnover frequency: Bass: 99 Hz-992 Hz Treble: 1.0 kHz-8.6 kHz			
	Level: ±10 dB, 0.5 dB step			
		³⁾ You can change the AM tuning interval to 9 kHz (US and Canadian models) or to 10 kHz (models for all other countries except for Australia). After tuning in any AM station, turn off the receiver. Hold down the PRE- SET TUNING + button and press the POWER button. All preset stations will be erased when you change the interval. To re- set the interval to 10 kHz (or 9 kHz), repeat the procedure.		
Video section	Inputs	Video section VIDEO: 1 Vp-p 75 ohms S VIDEO: Y: 1 Vp-p 75 ohms C: 0.286 Vp-p 75 ohms	Power requirements US and Canadian models: 120 V AC, 60 Hz Australian model: 240 V AC, 50 Hz European models: 230 V AC, 50 Hz Other models: 120/220/240 V AC selectable, 50/60 Hz	
Dimensions	AC outlets	Power consumption STR-DA80ES: US model: 340 W Canadian model: 500 VA Australian model: 380 W Other models: 380 W TA-V88ES: 370 W TA-V80ES: 380 W	AC outlets STR-DA80ES: US and Canadian models: 2 switched, total 120 W Australian model: 1 switched, maximum 100 W Other models: 2 switched, total 100 W TA-V88ES/VA80ES: 1 switched, maximum 100 W	
Supplied accessories	Dimensions	430 × 160 × 435 (440 ⁴⁾ mm (17 × 6 ³ / ₈ × 17 ¹ / ₄ (17 ³ / ₈) inches) including projecting parts and controls	Dimensions 430 × 160 × 435 (440 ⁴⁾ mm (17 × 6 ³ / ₈ × 17 ¹ / ₄ (17 ³ / ₈) inches) including projecting parts and controls	
Design and specifications are subject to change without notice.	Mass (Approx.)	15.9 kg (35 lb 1 oz) (STR-DA80ES) 15.6 kg (TA-V88ES/VA80ES)	Supplied accessories FM wire antenna (1) (STR-DA80ES) AM loop antenna (1) (STR-DA80ES) Remote commander RM-P501 (remote) (1) Size AA (R6) batteries (2)	

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MODEL IDENTIFICATION

- BACK PANEL -



STR-DA80ES US Model : 373-3 □
 STR-DA80ES Canadian Model : 373-4 □
 STR-DA80ES Australian Model : 373-5 □
 STR-DA80ES E, PX Model : 373-6 □
 TA-V88ES Chinese Model : 374-4 □
 TA-VA80ES AEP, UK, German,
 EE, CIS Model : 374-0 □
 TA-VA80ES E, Malaysia,
 Singapore Model : 374-3 □

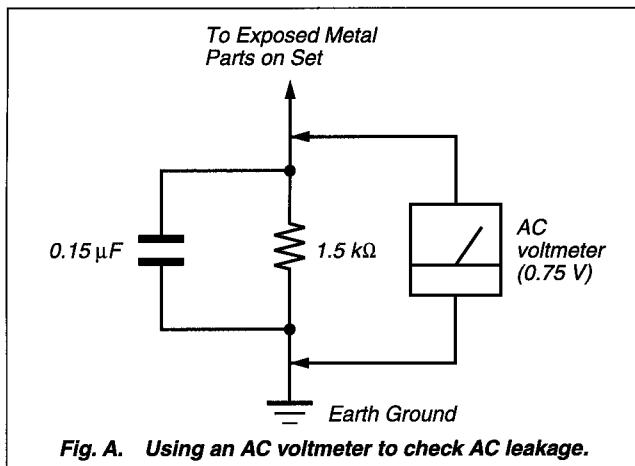
SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
 Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.
 Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A.)



SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK Δ OR DOTTED LINE WITH MARK Δ 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.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE Δ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

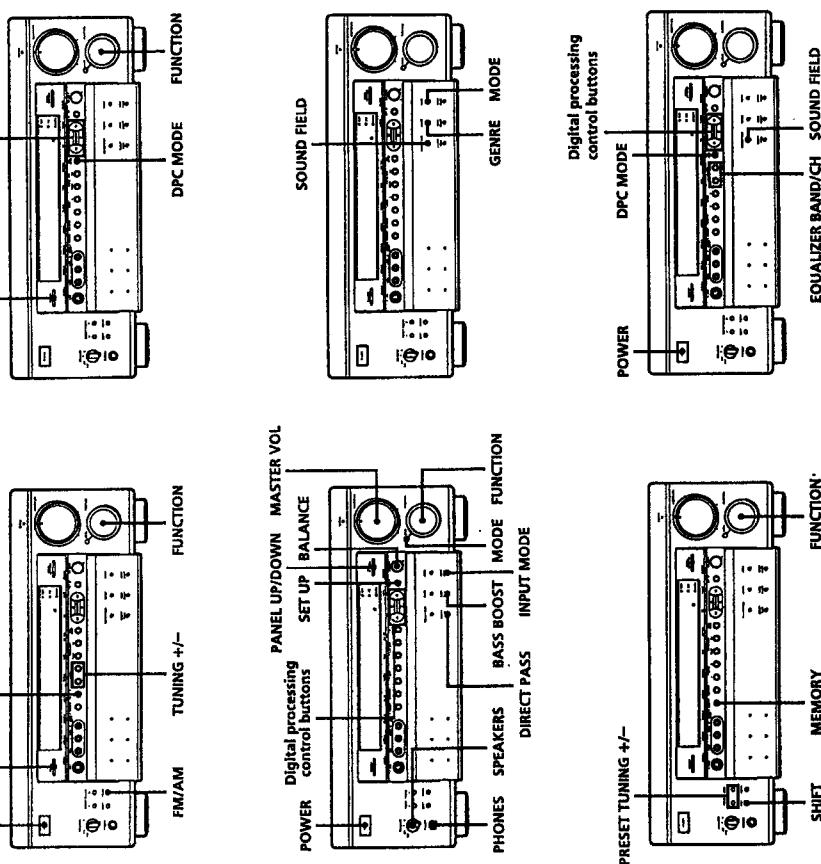
This section is extracted from
instruction manual.

SECTION 1 GENERAL

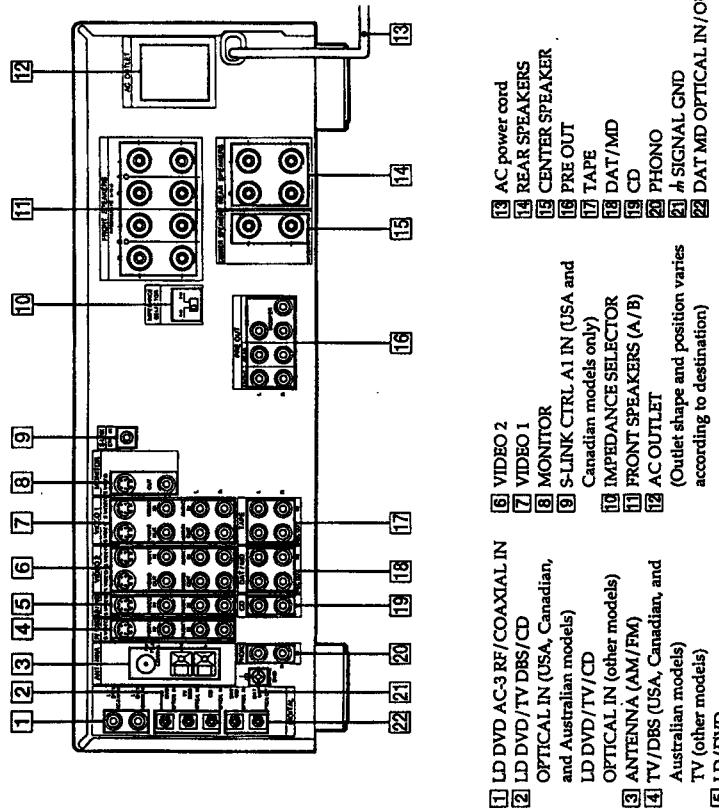
- STR-DA80ES

Additional Information

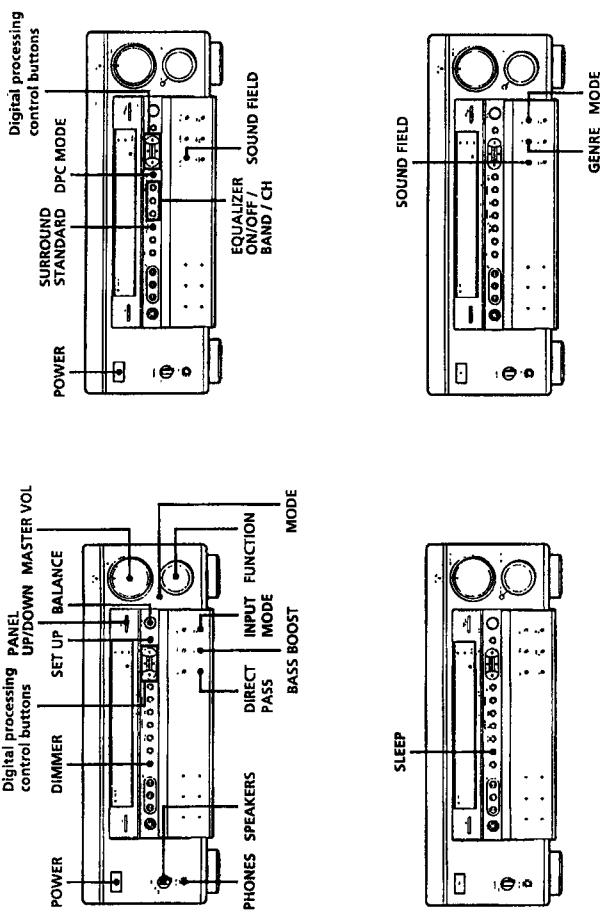
Rear Panel Descriptions



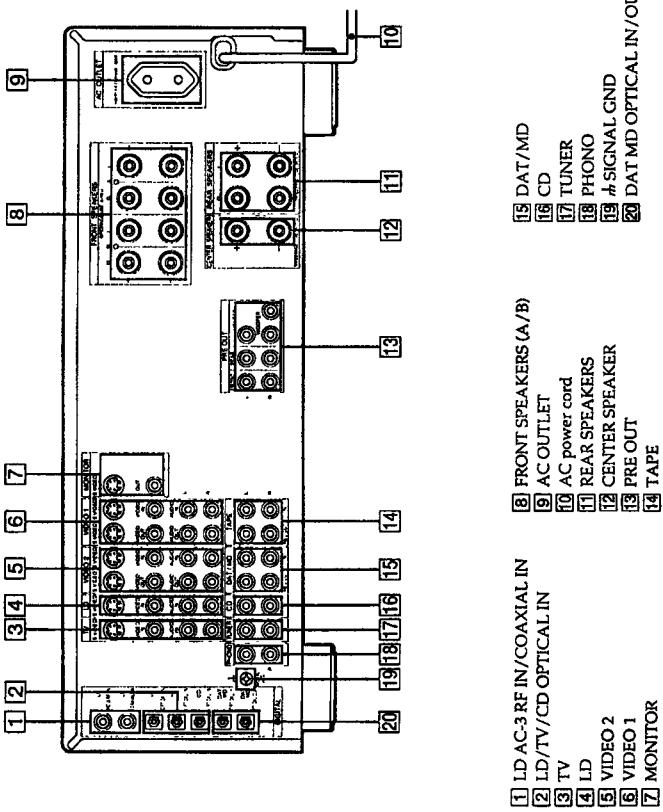
Front Panel Description



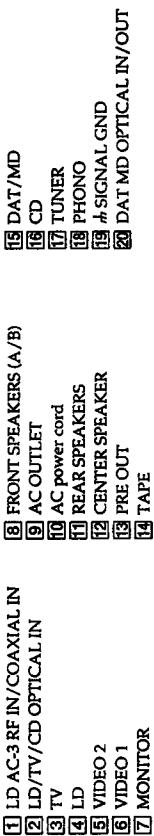
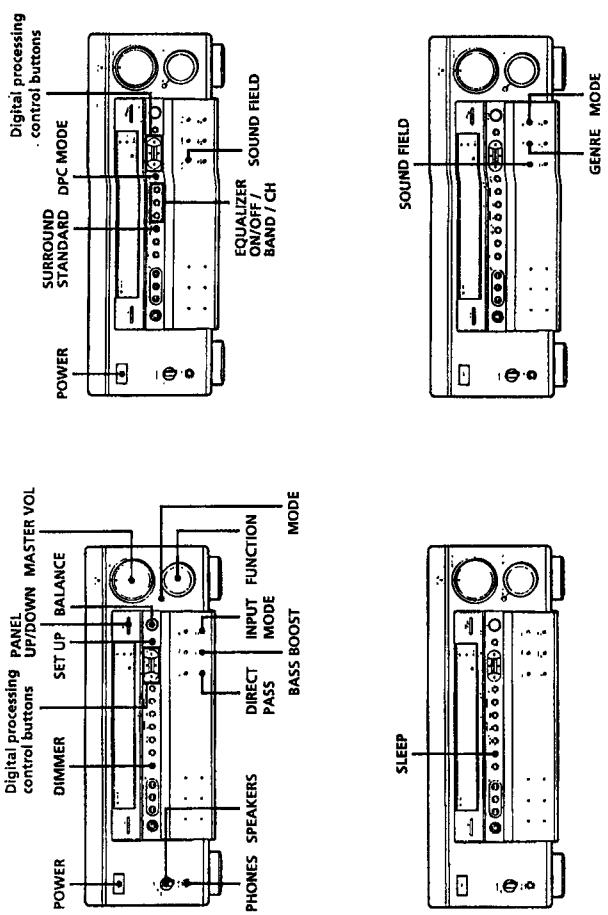
Front Panel Description



Rear Panel Descriptions



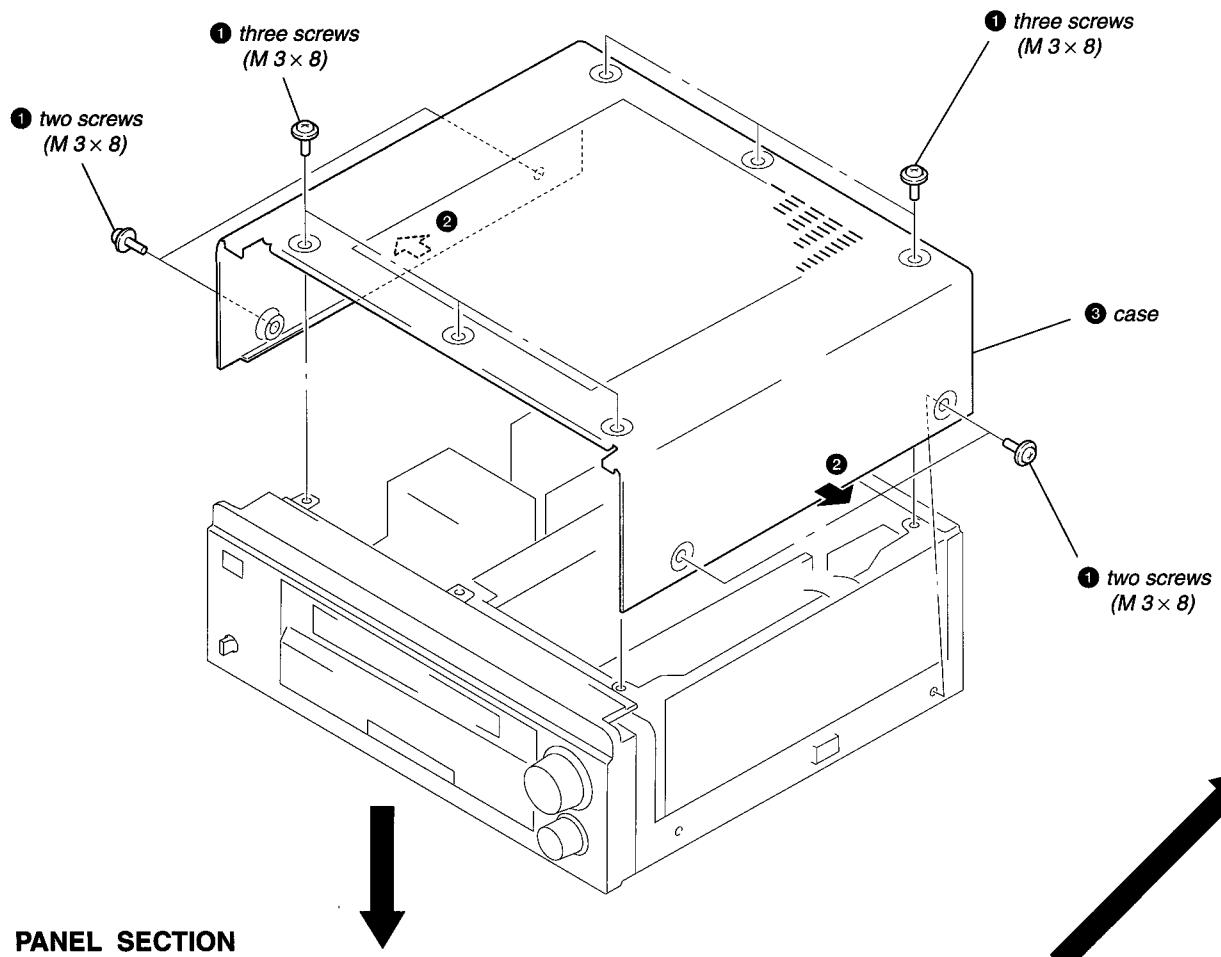
Rear Panel Descriptions



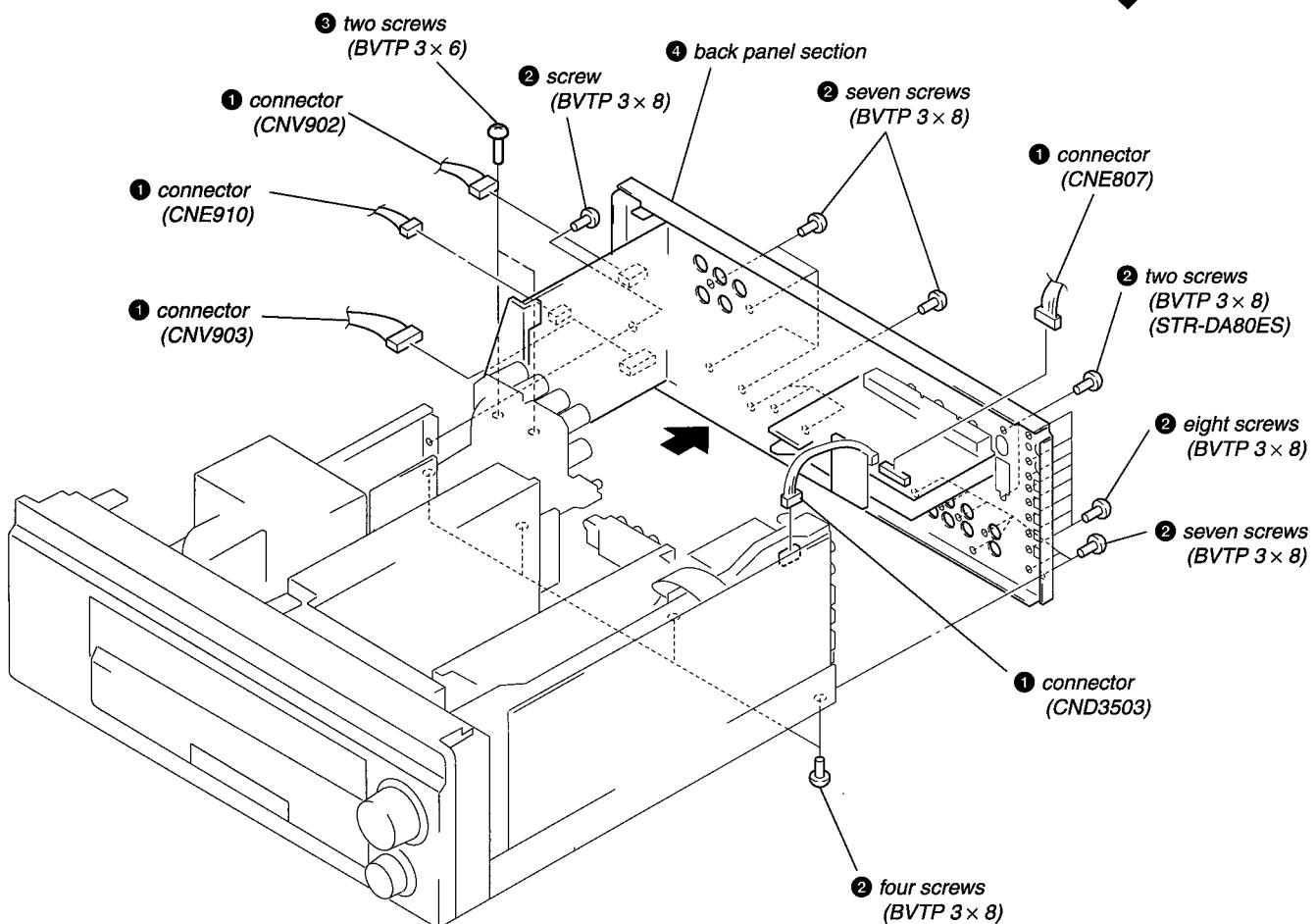
SECTION 2 DISASSEMBLY

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

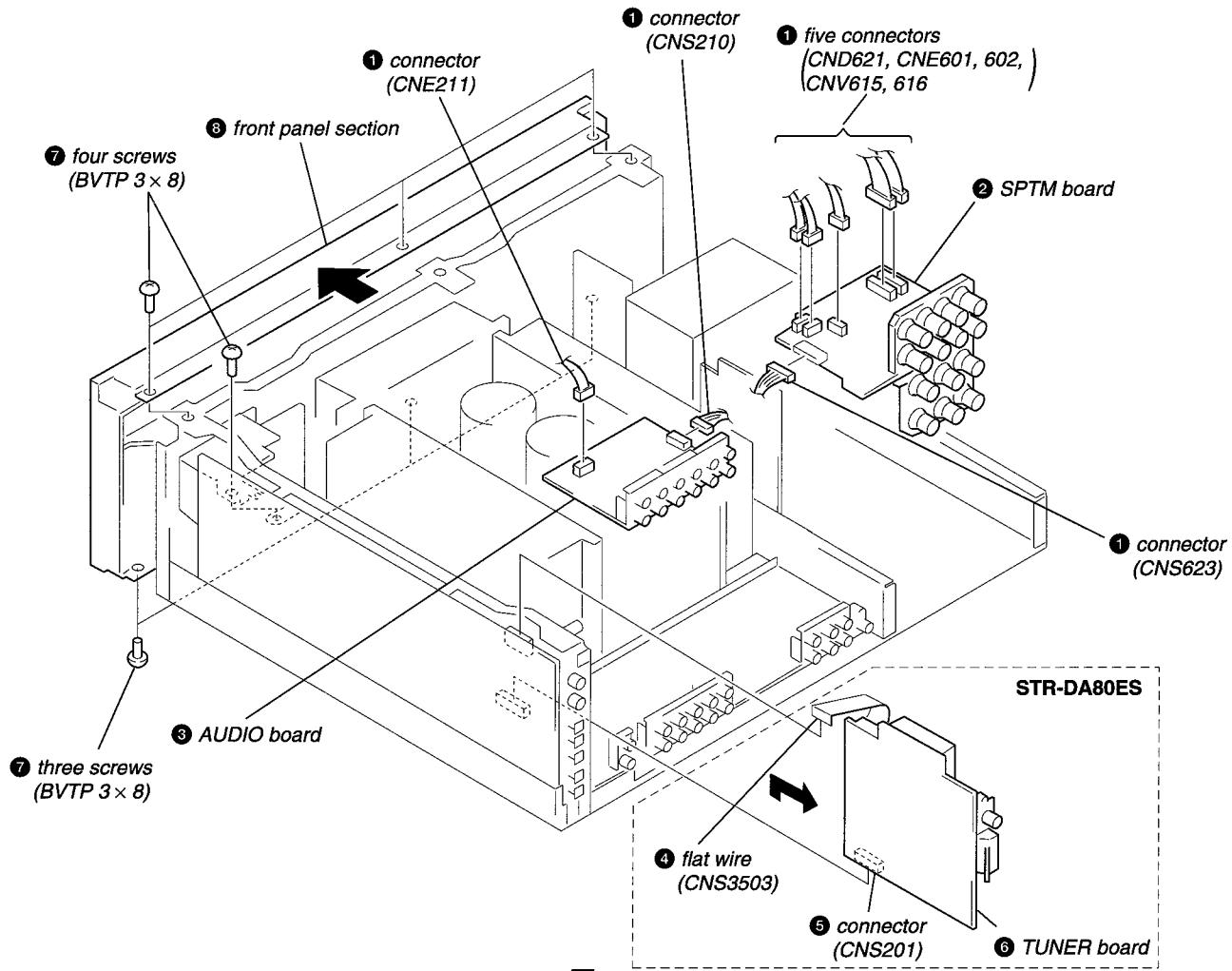
CASE



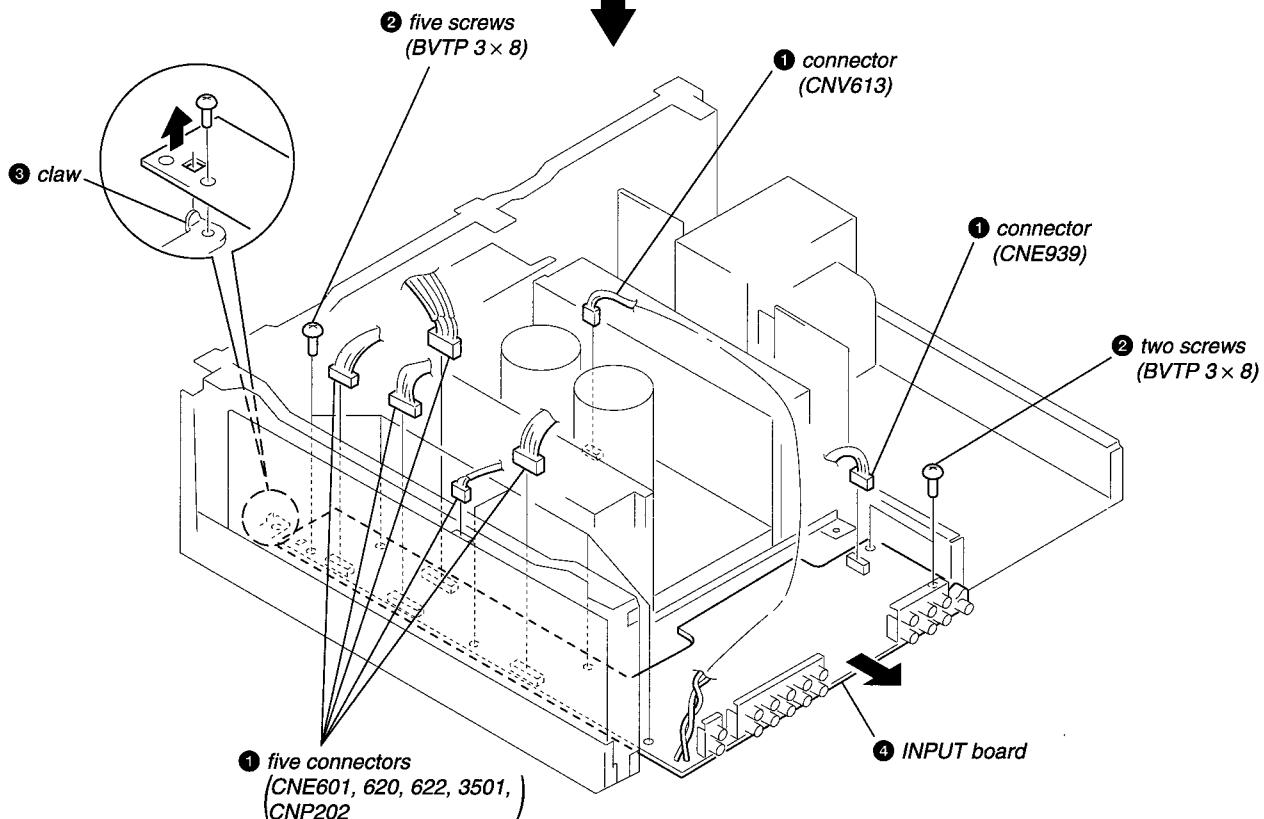
REAR PANEL SECTION



TUNER/AUDIO/SPTM BOARD, FRONT PANEL SECTION



INPUT BOARD



SECTION 3

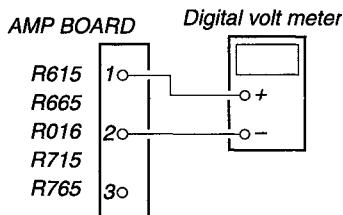
ELECTRICAL ADJUSTMENTS

DC BIAS CURRENT Adjustment (with no signal input)

Note:

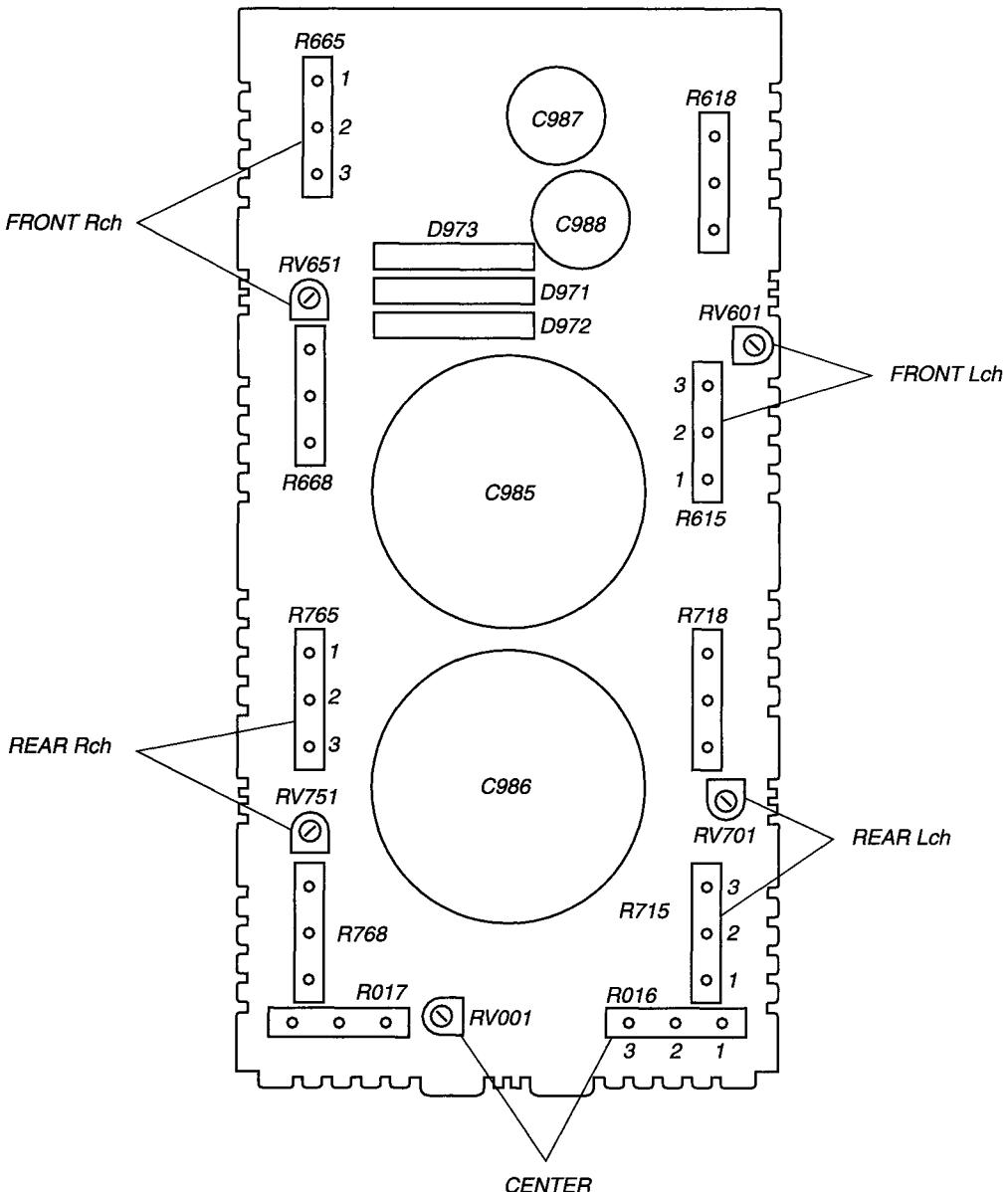
1. DC BIAS CURRENT adjustments should be made 30 seconds after the [POWER] switch is turned on (POWER ON).
2. After replacing the power transistors, DC BIAS CURRENT adjustments should be performed.

Procedure:



	Connecting point	Adjustment part	Reading on Digital volt meter
FRONT Lch	R615	RV601	20 mV
FRONT Rch	R665	RV651	20 mV
CENTER	R016	RV001	20 mV
REAR Lch	R715	RV701	20 mV
REAR Rch	R765	RV751	20 mV

[AMP BOARD] (COMPONENT SIDE)



SECTION 4 DIAGRAMS

4-1. IC Pin Function Description

• DISPLAY BOARD IC105 MB90673PF-G-206-BND (FLUORESCENT INDICATOR TUBE DRIVE CONTROLLER, KEY CONTROL)

Pin No.	Pin Name	I/O	Function
1	MBUS (VZ)	I	Not used (fixed at "L")
2	MBUS (MON)	I	Not used (fixed at "L")
3	MBUS (STU)	O	Not used (open)
4	LED-V3	O	LED drive signal output terminal "H": LED on (for function VIDEO 3 indicator)
5	LED-V2	O	LED drive signal output terminal "H": LED on (for function VIDEO 2 indicator)
6	LED-V1	O	LED drive signal output terminal "H": LED on (for function VIDEO 1 indicator)
7	STANDBY	O	LED drive signal output terminal "H": LED on (for function STANDBY indicator)
8	DPC (SURR)	O	LED drive signal output terminal "H": LED on (for function SUR indicator)
9	DPC (EQ)	O	LED drive signal output terminal "H": LED on (for function EQ indicator)
10	DPC (INDEX)	O	LED drive signal output terminal "H": LED on (for function INDEX indicator)
11	DVSS	—	Ground terminal
12	LED-CE	O	LED drive signal output terminal "H": LED on (for function CD indicator)
13	LED-DAT/MD	O	LED drive signal output terminal "H": LED on (for function DAT/MD indicator)
14	LED-TAPE	O	LED drive signal output terminal "H": LED on (for function TAPE indicator)
15	LED-TV	O	LED drive signal output terminal "H": LED on (for function TV/DBS (STR-DA80ES) or TV (TA-V88ES/VA80ES) indicator)
16	LED-LD	O	LED drive signal output terminal "H": LED on (for function LD/DVD indicator)
17	LED-V3	O	LED drive signal output terminal "H": LED on (for function VIDEO 3 indicator)
18	LED-V2	O	LED drive signal output terminal "H": LED on (for function VIDEO 2 indicator)
19	LED-V1	O	LED drive signal output terminal "H": LED on (for function VIDEO 1 indicator)
20	RX (SIN)	I	Receive data input from the on screen display controller Not used (fixed at "L")
21	TX (SOUT)	O	Transmit data output to the on screen display controller Not used (open)
22	BUSY	I	Busy signal input from the on screen display controller Not used (fixed at "L")
23	FL CLEAR	O	"Display clear signal output to the fluorescent indicator tube driver (IC101, 102)"
24	FL DATA	O	Serial data output to the fluorescent indicator tube driver (IC102)
25	FL CLK	O	"Serial data transfer clock signal output to the fluorescent indicator tube driver (IC101, 102)"
26	LAT (OSD)	O	"Serial data latch pulse signal output to the fluorescent indicator tube driver (IC101, 102)"
27	SIRCS1	I	Sircs signal input from the remote control receiver (IC104)
28	AVCC	—	Power supply terminal (+5V)
29	AVR+	I	Reference voltage input terminal (+5V)
30	AVR-	I	Reference voltage input terminal (+0V)
31	GND	—	Ground terminal
32	AD KEY IN 1	I	Key input terminal (A/D input) S132 to 134 (INPUT MODE, DIRECT PASS, BASS BOOST keys)
33	AD KEY IN 2	I	Key input terminal (A/D input) S116 to 119 (FM/AM, SHIFT, PRESET TUNING +/- keys) (STR-DA80ES). Not used (open) (TA-V88ES/VA80ES)
34	DVSS	—	Ground terminal
35	AD KEY IN 3	I	Key input terminal (A/D input) S109 to 114 (STR-DA80ES: EQUALIZER BAND, TUNING +/-, FM MODE, MEMORY, DISPLAY keys) (TA-V88ES/VA80ES: EQUALIZER BAND, EQUALIZER ON/OFF, SOUND FIELD STANDARD, SLEEP, DIMMER)
36	AD KEY IN 4	I	Key input terminal (A/D input) S101 to 108 (EQUALIZER CH, DPC MODE, cursor ←/↓/↑/→, SET UP, OPEN/CLOSE keys)
37	AD KEY IN 5	I	Key input terminal (A/D input) S129 to 131 (MODE, SOUND FIELD ON/OFF, GENRE keys)
38	AD VERSION	I	Setting terminal for the destination (A/D input)
39	VOL-UP	I	Motor drive signal input for the master volume
40	VOL-DOWN	I	Motor drive signal input for the master volume

Pin No.	Pin Name	I/O	Function
41	MODE0	I	Mode selection terminal (fixed at "H")
42	MODE1	I	Mode selection terminal (fixed at "H")
43	MODE2	I	Mode selection terminal (fixed at "L")
44	STANDBY	I	Hardware standby signal input terminal (fixed at "H")
45	STOP	I	Stop signal input terminal
46	U-RESET	I	System reset signal input from the master controller (IC3413) "L": reset
47	U-SREQ	O	Communication request signal output to the master controller (IC3413)
48	U-MREQ	I	Communication request signal input from the master controller (IC3413)
49	U-DATA	I/O	Serial data in/out with the master controller (IC3413)
50	U-CLOCK	I	Serial data reading clock signal input from the master controller (IC3413)
51	HIFI/ES	I	Setting terminal for the destination (fixed at "H")
52	AUBUS-IN	I	Audio bus signal input terminal
53	AUBUS-OUT	O	Audio bus signal output terminal
54	FUNCTION-B	I	Jog dial pulse input of the rotary encoder (RV101 FUNCTION)
55	FUNCTION-A	I	Jog dial pulse input of the rotary encoder (RV101 FUNCTION)
56	OUT-OPEN	O	Motor drive signal output to the door open/close motor drive (IC107)
57	OUT-CLOSE	O	Motor drive signal output to the door open/close motor drive (IC107)
58	SW-OPEN	I	Door open detect sensor (PH102) input terminal
59	SW-CLOSE	I	Door close detect sensor (PH103) input terminal
60	—	—	Not used (open)
61	SWBAL	I	Balance volume on/off detect signal input terminal
62	RESET	I	Reset signal input terminal "L": reset
63	GND	—	Ground terminal
64	XO	O	System clock signal output terminal (4MHz)
65	XI	I	System clock signal input terminal (4MHz)
66	VCC	—	Power supply terminal (+5V)
67	LED-TUNER	O	LED drive signal output terminal "H": LED on (for function TUNER indicator)
68	LED-PHONO	O	LED drive signal output terminal "H": LED on (for function PHONO indicator)
69	LED MUTE	O	LED drive signal output terminal "H": LED on (for MUTING indicator)
70	LED-LEARNING	O	LED drive signal output terminal "H": LED on Not used (open)
71	LED D.PASS	O	LED drive signal output terminal "H": LED on (for DIRECT PASS indicator)
72	LED-INPUT	O	LED drive signal output terminal "H": LED on Not used (open)
73	LED VOL	O	LED drive signal output terminal "H": LED on (for MASTER VOLUME illumination)
74	LED BASS.B	O	LED drive signal output terminal "H": LED on (for BASS BOOST indicator)
75	SP-A	I	Speaker select switch (S135) input terminal "H": speaker A on
76	SP-B	I	Speaker select switch (S135) input terminal "H": speaker B on
77	PW-SW	I	Power switch (S137) input terminal
78	LED-TV	O	LED drive signal output terminal "H": LED on (for function TV/DBS (STR-DA80ES) or TV (TA-V88ES/VA80ES) indicator)
79	LED-LD	O	LED drive signal output terminal "H": LED on (for function LD/DVD indicator)
80	—	I	Not used (fixed at "L")

• DIGITAL BOARD IC3308 SN-PM4007A (DOLBY (AC-3) DEMODULATOR)

Pin No.	Pin Name	I/O	Function
1	GND	—	Ground terminal
2	VDD	—	Power supply terminal (+5V)
3	<u>RESET</u>	I	Reset signal input from the master controller (IC3413) “L”: reset
4	OSCON	I	Oscillation on/off control signal input terminal “H”: on (fixed at “H”)
5	DATA	I	Test terminal Not used (fixed at “L”)
6	MCK	I	Test terminal Not used (fixed at “L”)
7	MLTB	I	Test terminal Not used (fixed at “L”)
8	IDST	O	Test terminal Not used (open)
9	IDCK	O	Test terminal Not used (open)
10	IDO	O	Test terminal Not used (open)
11	TM0	I	Test terminal Not used (fixed at “L”)
12	ECCK	O	Test terminal Not used (open)
13	DEY	O	Test terminal Not used (open)
14	DRY	O	Test terminal Not used (open)
15	DRY	O	Test terminal Not used (open)
16	TM1	I	Test terminal Not used (fixed at “L”)
17	A0	O	Address signal output to the S-RAM (IC3309)
18	A1	O	
19	A2	O	
20	A3	O	
21	A4	O	
22	A5	O	
23	TM2	I	Test terminal Not used (fixed at “L”)
24	TM3	I	Test terminal Not used (fixed at “L”)
25	XOUT	O	System clock output terminal Not used (open)
26	XIN	I	System clock input terminal Not used (fixed at “L”)
27	NEXT	I	Test terminal Not used (fixed at “L”)
28	GND	—	Ground terminal
29	VDD	—	Power supply terminal (+5V)
30	A6	O	Address signal output to the S-RAM (IC3309)
31	A7	O	Address signal output to the S-RAM (IC3309)
32	GND	—	Ground terminal
33	VDD	—	Power supply terminal (+5V)
34	A12	O	Address signal output to the S-RAM (IC3309)
35	A14	O	Address signal output to the S-RAM (IC3309)
36	WE	O	Write enable signal output to the S-RAM (IC3309) “L” active
37	A13	O	Address signal output to the S-RAM (IC3309)
38	A8	O	
39	A9	O	
40	GND	—	Ground terminal
41	A11	O	Address signal output to the S-RAM (IC3309)
42	OE	O	Output enable signal output to the S-RAM (IC3309) “L” active
43	A10	O	Address signal output to the S-RAM (IC3309)
44	D7	I/O	Two-way data bus with the S-RAM (IC3309)
45	D6	I/O	

Pin No.	Pin Name	I/O	Function
46	D5	I/O	Two-way data bus with the S-RAM (IC3309)
47	D4	I/O	
48	D3	I/O	
49	D2	I/O	
50	D1	I/O	
51	D0	I/O	
52	VDD	—	Power supply terminal (+5V)
53	GND	—	Ground terminal
54	TI1	I	Test terminal Not used (fixed at "H")
55	VIN	I	VCXO input terminal (18.432 MHz)
56	VOUT	O	VCXO output terminal (18.432 MHz)
57	TI2	I	Test terminal Not used (fixed at "L")
58	TI3	I	Test terminal Not used (fixed at "L")
59	TLD8	I	Test terminal Not used (fixed at "L")
60	TCK	I	Test terminal Not used (fixed at "L")
61	TRP	O	Test terminal Not used (open)
62	TD0	O	Test terminal Not used (open)
63	PD0	O	Internal phase comparator output terminal
64	TI4	I	Test terminal Not used (fixed at "L")
65	PDD15	I	PDO out control signal input terminal "L": on
66	MUTO	O	Mute control signal output terminal "H": mute on
67	TI5	I	Test terminal Not used (fixed at "L")
68	VLDY	O	Test terminal Not used (open)
69	DASYO	O	Test terminal Not used (open)
70	DAOUT	O	Digital out signal output terminal (serial data stream output)
71	DAIN	I	Digital external input terminal Through out to DAOUT (pin ⑦) when DASEL (pin ⑫) is "H" Not used (open)
72	DASEL	I	Digital out selection terminal Fixed at "L"
73	TI8	I	Test terminal Not used (fixed at "L")
74	C2F1	O	C2 error correction state monitor output terminal Outputs if corrected properly Not used (open)
75	C2F0	O	C2 error correction state monitor output terminal Outputs number of errors at C2 Not used (open)
76	C1F1	O	C1 error correction state monitor output terminal Outputs whether error is present at C1 Not used (open)
77	C1F0	O	C1 error correction state monitor output terminal Outputs number of errors at C1 Not used (open)
78	MUT1	I	Mute signal input terminal "H": mute
79	VDD	—	Power supply terminal (+5V)
80	GND	—	Ground terminal
81	AVDD	—	Power supply terminal (+5V) (for analog system)
82	CPIN	I	Comparator input (+) terminal
83	CMIN	I	Comparator input (-) terminal
84	AGND	—	Ground terminal (for analog system)
85	TM4	I	Test terminal Not used (fixed at "L")
86	VDD	—	Power supply terminal (+5V)
87	DIN	I	Test terminal Not used (fixed at "L")

Pin No.	Pin Name	I/O	Function
88	DOUT	O	Comparator output terminal
89	DOUTB	O	Comparator inverted output terminal
90	CSM	O	Clock (9.216 MHz) output terminal Not used (open)
91	GND	—	Ground terminal
92	WINGT	O	Test terminal Not used (open)
93	SYST0	O	Test terminal Not used (open)
94	SYST1	O	Test terminal Not used (open)
95	ADST0	O	Test terminal Not used (open)
96	ADST1	O	Test terminal Not used (open)
97	TMS	I	Test terminal Not used (fixed at "L")
98	BUNR1	I	Test terminal Not used (fixed at "L")
99	AGND	—	Ground terminal (for analog system)
100	AVDD	—	Power supply terminal (+5V) (for analog system)

• DIGITAL BOARD IC3410 DSP56009FJ88F (DIGITAL SIGNAL PROCESSOR)

Pin No.	Pin Name	I/O	Function
1	AGND	—	Ground terminal (for address bus buffer)
2	MCS0	O	Chip select signal output to the external RAM device Not used (open)
3	MCS3	O	Chip select signal output to the external RAM device Not used (open)
4	MA14	O	Address signal output to the external RAM device Not used (open)
5	MA13	O	Address signal output to the external RAM device Not used (open)
6	AVCC	—	Power supply terminal (+5V) (for address bus buffer)
7	MA12	O	Address signal output to the external RAM device Not used (open)
8	AGND	—	Ground terminal (for address bus buffer)
9	QVCC	—	Power supply terminal (+5V) (for internal logic)
10	QGND	—	Ground terminal (for internal logic)
11	MA11	O	Address signal output to the external RAM device Not used (open)
12	MA10	O	
13	MA9	O	
14	MA8	O	
15	AGND	—	Ground terminal (for address bus buffer)
16	MA7	O	Address signal output to the external RAM device Not used (open)
17	AVCC	—	Power supply terminal (+5V) (for address bus buffer)
18	MA6	O	Address signal output to the external RAM device Not used (open)
19	MA5	O	
20	MA4	O	
21	AGND	—	Ground terminal (for address bus buffer)
22	MA3	O	Address signal output to the external RAM device Not used (open)
23	MA2	O	
24	MA1	O	
25	MA0	O	
26	SCK	I	Serial data reading clock signal input from the master controller (IC3413)
27	EXTAL	I	Master clock signal input terminal (3MHz)
28	QVCC	—	Power supply terminal (+5V) (for internal logic)
29	QGND	—	Ground terminal (for internal logic)
30	PINIT	I	Initialize input for the PLL circuit (fixed at "L")
31	PGND	—	Ground terminal (for PLL circuit)
32	PCAP	I	Connected to the external capacitor for PLL circuit filter
33	PVCC	—	Power supply terminal (+5V) (for PLL circuit)
34	SGND	—	Ground terminal (for serial port)
35	MISO	I	Communication data input from the master controller (IC3413)
36	RESET	I	Reset signal input from the master controller (IC3413) "L": reset
37	MODA	I	Mode selection terminal (fixed at "H")
38	MODB	I	Mode selection terminal (fixed at "L")
39	MODC	I	Mode selection terminal (fixed at "H")
40	SVCC	—	Power supply terminal (+5V) (for serial port)
41	MOSI	O	Communication data output to the master controller (IC3413)
42	SS	I	SPI slave select signal input from the master controller (IC3413)
43	HREQ	I	Host request signal input from the master controller (IC3413)
44	SGND	—	Ground terminal (for serial port)
45	SDO2	O	Audio serial data output terminal Not used (open)

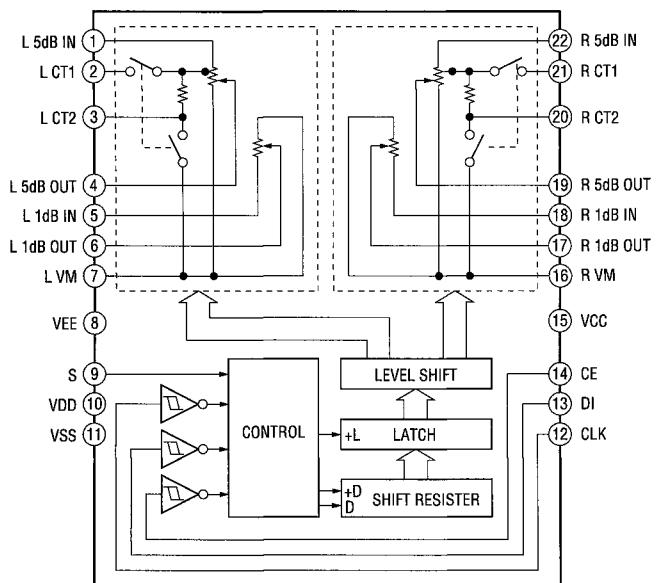
Pin No.	Pin Name	I/O	Function
46	SDO1	O	Audio serial data output to the digital signal processor (IC3412)
47	SDO0	O	Audio serial data output to the digital signal processor (IC3412)
48	SVCC	—	Power supply terminal (+5V) (for serial port)
49	SCKT	O	Audio serial data transfer clock signal output to the digital signal processor (IC3412)
50	WST	O	Word transmission output to the digital signal processor (IC3412)
51	SCKR	I	Bit clock signal (2.8224 MHz) input terminal
52	QGND	—	Ground terminal (for internal logic)
53	QVCC	—	Power supply terminal (+5V) (for internal logic)
54	SGND	—	Ground terminal (for serial port)
55	WSR	I	L/R sampling clock signal (44.1 kHz) input terminal
56	SDI1	I	Audio serial data input terminal
57	SDI0	I	Audio serial data input terminal
58	DSO	O	Debug serial data output terminal Not used (open)
59	DSI	I	Debug serial data input terminal Not used (open)
60	DSCK	I	Debug serial data reading clock signal input terminal Not used (open)
61	DR	I	Debug request signal input terminal Not used (fixed at "H")
62	MD7	I/O	Two-way data bus with the external RAM device Not used (open)
63	MD6	I/O	
64	MD5	I/O	
65	MD4	I/O	
66	DGND	—	Ground terminal (for data bus buffer)
67	MD3	I/O	Two-way data bus with the external RAM device Not used (open)
68	MD2	I/O	
69	MD1	I/O	
70	DVCC	—	Power supply terminal (+5V) (for data bus buffer)
71	MD0	I/O	Two-way data bus with the external RAM device Not used (open)
72	DGND	—	Ground terminal (for data bus buffer)
73	GPIO3	I/O	General digital signal processor in/out terminal Not used (open)
74	GPIO2	I/O	
75	GPIO1	I/O	
76	GPIO0	I/O	
77	MRD	O	Write strobe signal output to the external RAM device Not used (open)
78	MWR	O	Read strobe signal output to the external RAM device Not used (open)
79	MRAS	O	Row address strobe signal output to the external RAM device Not used (open)
80	MCAS	O	Column address strobe signal output to the external RAM device Not used (open)

• DIGITAL BOARD IC3412 SSP424023FJ88 (DIGITAL SIGNAL PROCESSOR)

Pin No.	Pin Name	I/O	Function
1	AGND	—	Ground terminal (for address bus buffer)
2	MCS0	O	Chip select signal output to the external RAM device Not used (open)
3	MA15	O	
4	MA14	O	Address signal output to the S-RAM (IC3411)
5	MA13	O	
6	AVCC	—	Power supply terminal (+5V) (for address bus buffer)
7	MA12	O	Address signal output to the S-RAM (IC3411)
8	AGND	—	Ground terminal (for address bus buffer)
9	QVCC	—	Power supply terminal (+5V) (for internal logic)
10	QGND	—	Ground terminal (for internal logic)
11	MA11	O	
12	MA10	O	Address signal output to the S-RAM (IC3411)
13	MA9	O	
14	MA8	O	
15	AGND	—	Ground terminal (for address bus buffer)
16	MA7	O	Address signal output to the S-RAM (IC3411)
17	AVCC	—	Power supply terminal (+5V) (for address bus buffer)
18	MA6	O	
19	MA5	O	Address signal output to the S-RAM (IC3411)
20	MA4	O	
21	AGND	—	Ground terminal (for address bus buffer)
22	MA3	O	
23	MA2	O	Address signal output to the S-RAM (IC3411)
24	MA1	O	
25	MA0	O	
26	SCK	I	Serial data reading clock signal input from the master controller (IC3413)
27	EXTAL	I	Master clock signal input terminal (3MHz)
28	QVCC	—	Power supply terminal (+5V) (for internal logic)
29	QGND	—	Ground terminal (for internal logic)
30	PINIT	I	Initialize input for the PLL circuit (fixed at "L")
31	PGND	—	Ground terminal (for PLL circuit)
32	PCAP	I	Connected to the external capacitor for PLL circuit filter
33	PVCC	—	Power supply terminal (+5V) (for PLL circuit)
34	SGND	—	Ground terminal (for serial port)
35	MISO	I	Communication data input from the master controller (IC3413)
36	<u>RESET</u>	I	Reset signal input from the master controller (IC3413) "L": reset
37	MODA	I	Mode selection terminal (fixed at "H")
38	MODB	I	Mode selection terminal (fixed at "L")
39	MODC	I	Mode selection terminal (fixed at "H")
40	SVCC	—	Power supply terminal (+5V) (for serial port)
41	MOSI	O	Communication data output to the master controller (IC3413)
42	SS	I	SPI slave select signal input from the master controller (IC3413)
43	HREQ	I	Host request signal input from the master controller (IC3413)
44	SGND	—	Ground terminal (for serial port)
45	SDO2	O	Audio serial data output terminal (for rear side speaker)

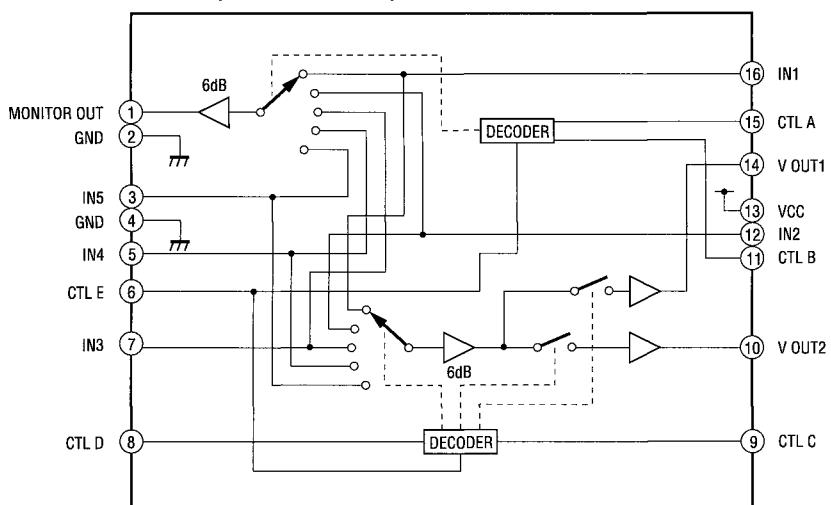
Pin No.	Pin Name	I/O	Function
46	SDO1	O	Audio serial data output terminal (for center side speaker)
47	SDO0	O	Audio serial data output terminal (for front side speaker)
48	SVCC	—	Power supply terminal (+5V) (for serial port)
49	SCKT	I	Bit clock signal (2.8224 MHz) input terminal
50	WST	I	L/R sampling clock signal (44.1 kHz) input terminal
51	SCKR	I	Audio serial data reading clock signal input from the digital signal processor (IC3410)
52	QGND	—	Ground terminal (for internal logic)
53	QVCC	—	Power supply terminal (+5V) (for internal logic)
54	SGND	—	Ground terminal (for serial port)
55	WSR	I	Word transmission input from the digital signal processor (IC3410)
56	SDI1	I	Audio serial data input from the digital signal processor (IC3410)
57	SDI0	I	Audio serial data input from the digital signal processor (IC3410)
58	DSO	O	Debug serial data output terminal Not used (open)
59	DSI	I	Debug serial data input terminal Not used (open)
60	DSCK	I	Debug serial data reading clock signal input terminal Not used (open)
61	DR	I	Debug request signal input terminal Not used (fixed at "H")
62	MD7	I/O	Two-way data bus with the S-RAM (IC3411)
63	MD6	I/O	
64	MD5	I/O	
65	MD4	I/O	
66	DGND	—	Ground terminal (for data bus buffer)
67	MD3	I/O	Two-way data bus with the S-RAM (IC3411)
68	MD2	I/O	
69	MD1	I/O	
70	DVCC	—	Power supply terminal (+5V) (for data bus buffer)
71	MD0	I/O	Two-way data bus with the S-RAM (IC3411)
72	DGND	—	Ground terminal (for data bus buffer)
73	GPIO3	I/O	General digital signal processor in/out terminal Not used (open)
74	GPIO2	I/O	
75	GPIO1	I/O	
76	GPIO0	I/O	General digital signal processor in/out with the master controller (IC3413)
77	MRD	O	Write strobe signal output to the S-RAM (IC3411)
78	MWR	O	Read strobe signal output to the S-RAM (IC3411)
79	CS1	O	Chip select signal output to the external RAM device Not used (open)
80	MA16	O	Address signal output to the S-RAM (IC3411)

IC3516 LC7535M-TP (DIGITAL BOARD)



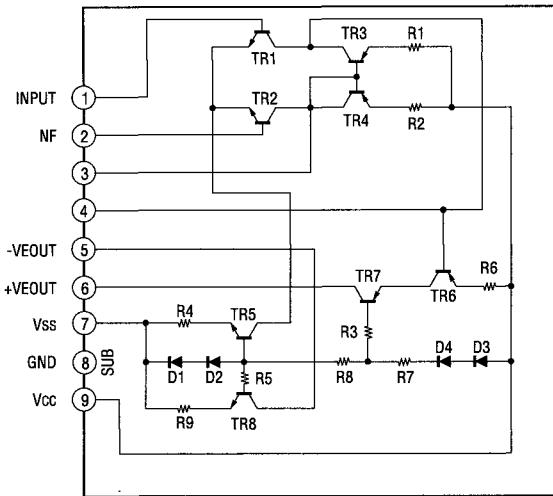
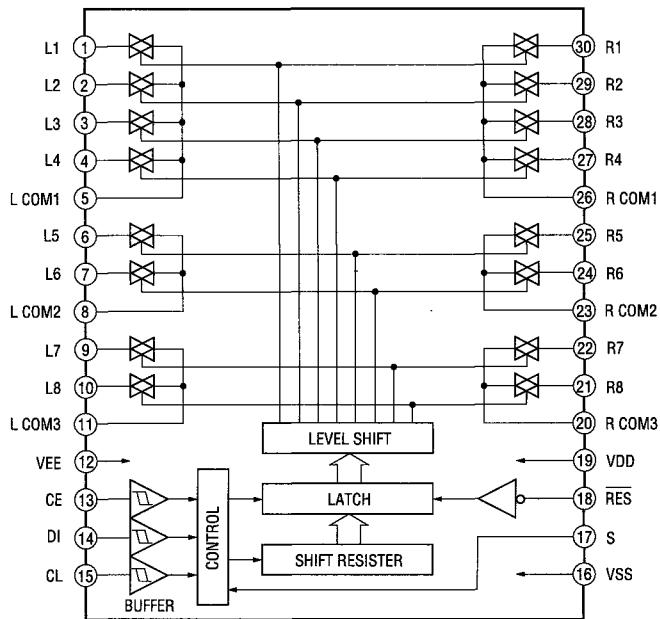
IC803, 804 SN741200 (S VIDEO BOARD)

IC811 SN741200 (VIDEO BOARD)

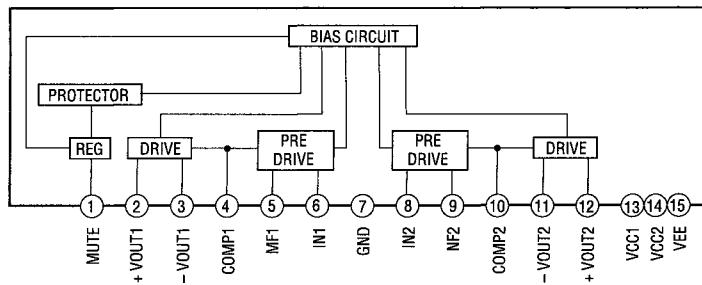


IC202 LC7821 (INPUT BOARD)
IC291 LC7821 (AUDIO BOARD)

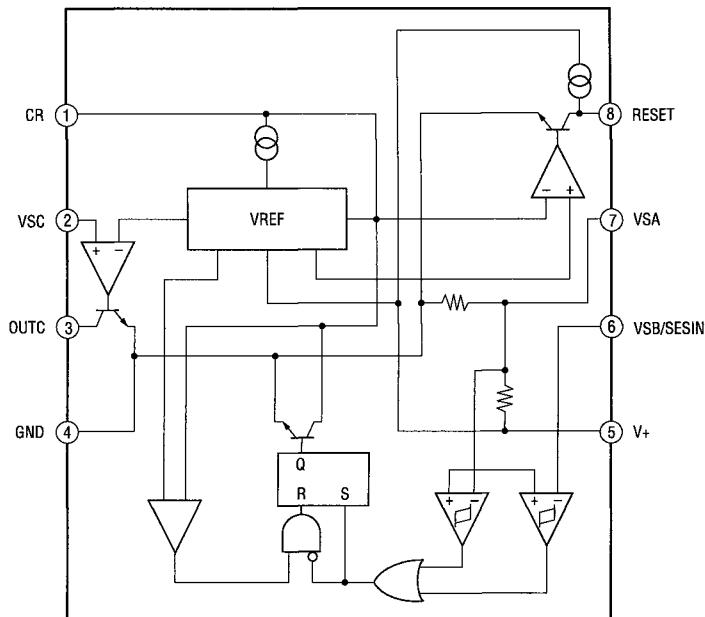
**IC001, 601, 651 STK350-230
 (INPUT BOARD)**



IC701 μPC2581V (INPUT BOARD)



IC901 NJM2103D (AC BOARD)



SECTION 5 EXPLODED VIEWS

NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.

Color Indication of Appearance Parts

Example:

 KNOB, BALANCE (WHITE) . . . (RED)
 ↑ ↑

Parts Color Cabinet's Color

Abbreviation

G : German

MY : Malaysia

EE: East European

AUS : Australian

SP: Singapore

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

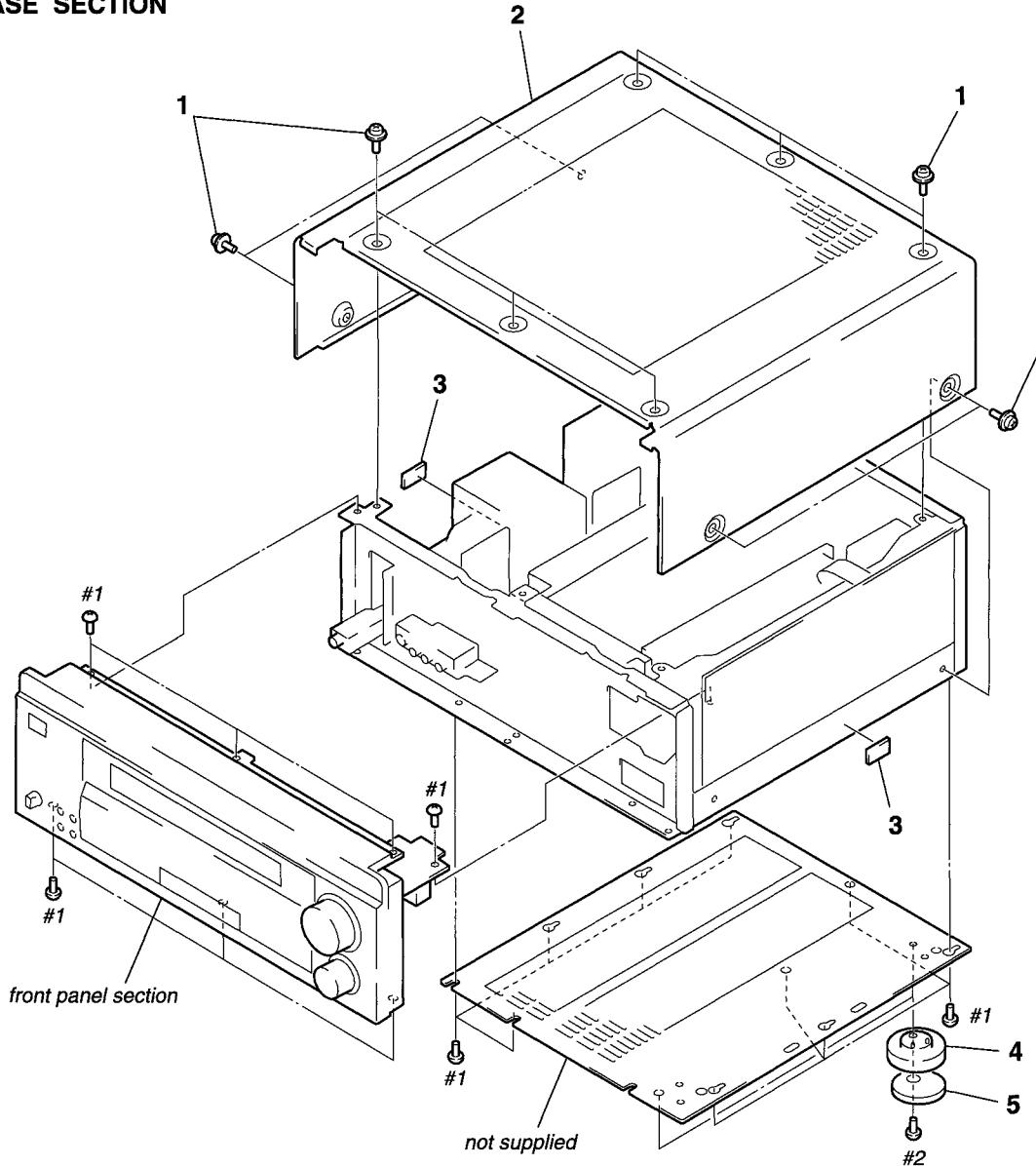
- The mechanical parts with no reference number in the exploded views are not supplied.

- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

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

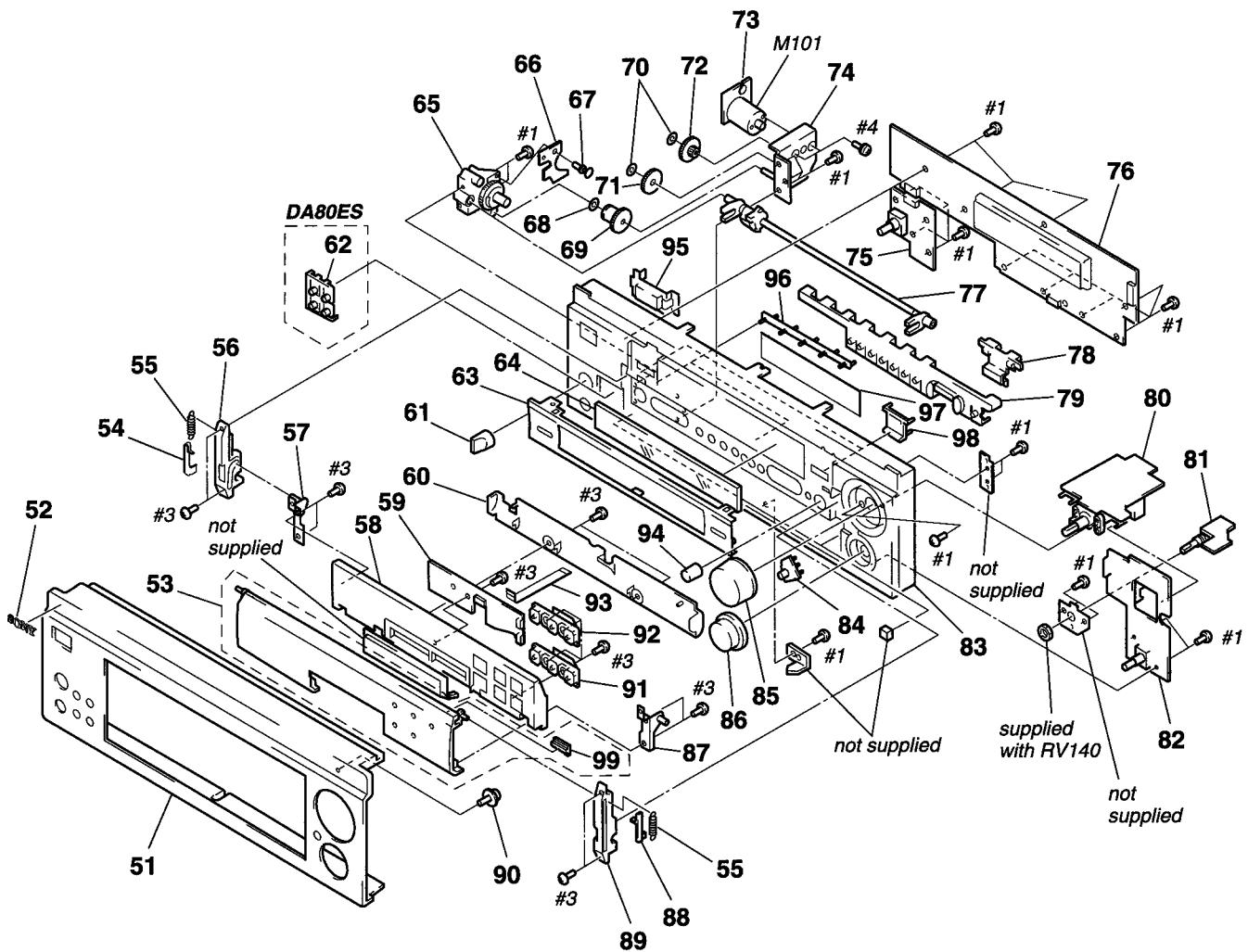
Les composants identifiés par une marque Δ sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

(1) CASE SECTION


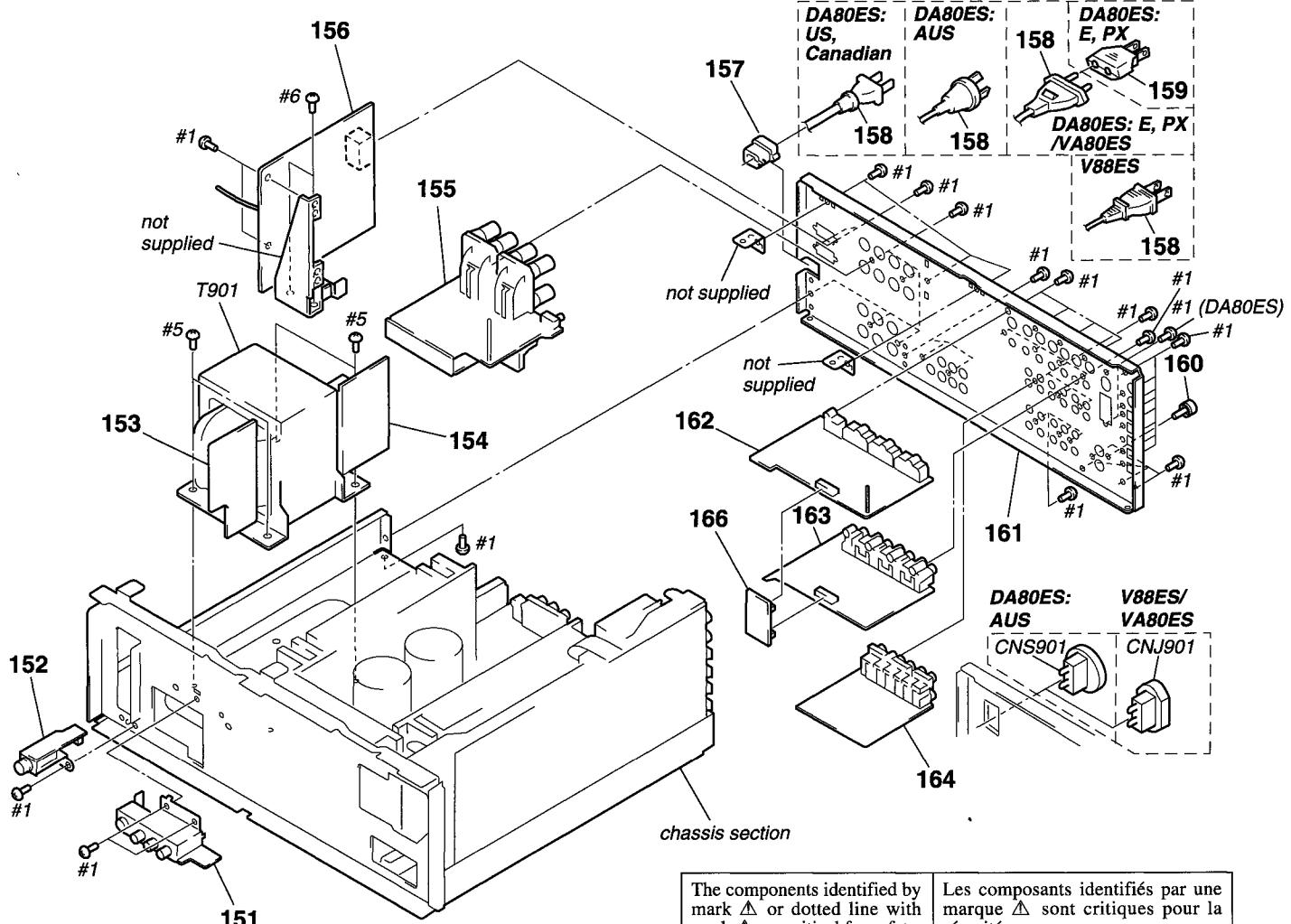
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	3-704-366-01	SCREW (CASE) (M3X8) (BLACK) (DA80ES/VA80ES: AEP, UK, G, EE, CIS, E, SP, MY)		* 2	4-982-090-21	CASE (414538E) (SILVER) (V88ES/VA80ES:AEP, UK, G, EE, CIS)	
1	3-704-366-11	SCREW (CASE) (M3X8) (SILVER) (V88ES/VA80ES: AEP, UK, G, EE, CIS)		3	4-985-642-01	CUSHION	
* 2	4-982-090-01	CASE (414538E) (BLACK) (DA80ES/VA80ES: AEP, UK, G, EE, CIS, E, SP, MY)		4	4-970-123-01	FOOT (F50180S)	
				5	4-970-124-01	CUSHION (F50180S)	

(2) FRONT PANEL SECTION



<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
51	4-991-378-11	PANEL, FRONT (BLACK)	(DA80ES: US, Canadian)	* 76	A-4398-778-A	DISPLAY BOARD, COMPLETE	(DA80ES: US, Canadian)
51	4-991-378-41	PANEL, FRONT (BLACK)	(VA80ES:AEP, UK, G, EE, CIS, E, SP, MY)	* 76	A-4398-779-A	DISPLAY BOARD, COMPLETE (DA80ES: AUS)	
51	4-991-378-51	PANEL, FRONT (SILVER) (V88ES)		* 76	A-4398-780-A	DISPLAY BOARD, COMPLETE (DA80ES: E, PX)	
51	4-991-378-81	PANEL, FRONT (BLACK) (DA80ES: E, AUS, PX)		* 76	A-4398-819-A	DISPLAY BOARD, COMPLETE (V88ES/VA80ES)	
51	4-991-378-91	PANEL, FRONT (SILVER)	(VA80ES: AEP, UK, G, EE, CIS)	77	A-4384-609-A	SHAFT (LINK) ASSY	
52	4-942-568-01	EMBLEM (NO.5), SONY (BLACK) (DA80ES/ VA80ES: AEP, UK, EE, CIS, E, SP, MY)		78	4-991-383-01	BUTTON (SUB) (BLACK) (DA80ES/VA80ES: AEP, UK, G, EE, CIS, E, SP, MY)	
52	4-942-568-21	EMBLEM (NO.5), SONY (SILVER) (V88ES/VA80ES: AEP, UK, G, EE, CIS)		78	4-991-383-11	BUTTON (SUB) (SILVER) (V88ES/VA80ES: AEP, UK, EE, CIS)	
53	X-4948-619-1	LID (FRONT) ASSY (BLACK) (DA80ES/ VA80ES: AEP, UK, G, EE, CIS, E, SP, MY)		79	4-991-382-01	BUTTON (MAIN) (BLACK) (DA80ES/VA80ES: AEP, UK, G, EE, CIS, E, SP, MY)	
53	X-4948-621-1	LID (FRONT) ASSY (SILVER) (V88ES/VA80ES: AEP, UK, G, EE, CIS)		79	4-991-382-11	BUTTON (MAIN) (SILVER) (V88ES/VA80ES: AEP, UK, G, EE, CIS)	
54	3-974-992-01	SLIDER (L), DOOR		* 80	1-666-309-11	VOL BOARD	
55	4-991-596-01	SPRING, TENSION		* 81	1-666-316-11	BAL (B) BOARD	
56	4-991-406-01	FRAME (DOOR L)		* 82	1-666-315-11	BAL (A) BOARD	
57	X-4948-616-1	SHAFT (L) ASSY, DOOR DRIVING		83	4-991-379-01	BASE, PANEL (BLACK) (DA80ES)	
58	4-991-393-01	LID (BASE) (BLACK) (DA80ES/VA80ES: AEP, UK, G, EE, CIS, E, SP, MY)		83	4-991-379-31	BASE, PANEL (BLACK) (VA80ES: AEP, UK, EE, CIS, E, SP, MY)	
58	4-991-393-11	LID (BASE) (SILVER) (V88ES/VA80ES: AEP, UK, G, EE, CIS)		83	4-991-379-41	BASE, PANEL (SILVER) (V88ES/VA80ES: AEP, UK, G, EE, CIS)	
* 59	1-666-331-11	CONNECTOR BOARD		84	4-991-385-01	BUTTON (MODE) (BLACK) (DA80ES/VA80ES: AEP, UK, G, EE, CIS, E, SP, MY)	
60	4-991-394-01	LID (BACK) (BLACK) (DA80ES/VA80ES: AEP, UK, G, EE, CIS, E, SP, MY)		84	4-991-385-11	BUTTON (MODE) (SILVER) (V88ES/VA80ES: AEP, UK, G, EE, CIS)	
60	4-991-394-11	LID (BACK) (SILVER) (V88ES/VA80ES: AEP, UK, G, EE, CIS)		85	X-4948-600-1	KNOB (VOL) ASSY (BLACK) (DA80ES/VA80ES: AEP, UK, G, EE, CIS, E, SP, MY)	
61	4-957-383-01	KNOB (F14) (BLACK) (DA80ES/VA80ES:AEP, UK, G, EE, CIS, E, SP, MY)		85	X-4948-633-1	KNOB (VOL) ASSY (SILVER) (V88ES/VA80ES: AEP, UK, G, EE, CIS)	
61	4-957-383-21	KNOB (F14) (SILVER) (V88ES/VA80ES:AEP, UK, G, EE, CIS, E, SP, MY)		86	X-4948-601-1	KNOB (FUNC) ASSY (BLACK) (DA80ES/VA80ES: AEP, UK, G, EE, CIS, E, SP, MY)	
62	4-991-384-01	BUTTON (TUNER) (DA80ES)		86	X-4948-634-1	KNOB (FUNC) ASSY (SILVER) (V88ES/VA80ES: AEP, UK, G, EE, CIS)	
63	4-991-390-01	PANEL (WINDOW) (BLACK) (DA80ES)		87	X-4948-617-1	SHAFT (R) ASSY, DOOR DRIVING	
63	4-991-390-31	PANEL (WINDOW) (BLACK) (VA80ES: AEP, UK, G, EE, CIS, E, SP, MY)		88	3-974-989-01	SLIDER, DOOR (R)	
63	4-991-390-41	PANEL (WINDOW) (SILVER) (V88ES/VA80ES: AEP, UK, G, EE, CIS, E, SP, MY)		89	4-991-407-01	FRAME (DOOR R)	
64	4-991-389-21	WINDOW (DA80ES: US, Canadian)		90	4-991-387-01	INDICATOR (MUTE)	
64	4-991-389-31	WINDOW (DA80ES: E, AUS, PX/V88ES/ VA80ES)		91	1-475-109-21	SWITCH (A) BLOCK, TOUCH	
65	A-4384-608-A	BASE ASSY, GEAR		92	1-475-109-31	SWITCH (B) BLOCK, TOUCH	
* 66	1-666-314-11	SENSOR BOARD		93	1-775-084-11	WIRE (FLAT TYPE) (9 CORE)	
67	4-812-134-00	RIVET (DIA. 3.5), NYLON		94	4-980-639-01	KNOB (R14) (BLACK) (DA80ES/VA80ES: AEP, UK, G, EE, CIS, E, SP, MY)	
68	3-325-697-01	WASHER		94	4-980-639-31	KNOB (R14) (SILVER) (V88ES/VA80ES: AEP,UK, G, EE, CIS)	
69	3-975-016-01	GEAR (D)		95	4-979-936-01	BUTTON (P-T) (BLACK) (DA80ES)	
70	3-377-720-01	WASHER, POLYETHYLENE		95	4-980-109-01	BUTTON (P-M) (BLACK) (VA80ES: AEP, UK, G, EE, CIS, E, SP, MY)	
71	3-975-015-01	GEAR (C)		95	4-980-109-41	BUTTON (P-M) (SILVER) (V88ES/VA80ES: AEP, UK, G, EE, CIS)	
72	3-975-014-01	GEAR (B)		96	4-991-388-01	INDICATOR (FUNC)	
* 73	1-666-313-11	MOTOR TM BOARD		97	4-991-391-01	FILTER	
74	X-4948-598-1	BRACKET (MOTOR) ASSY		98	4-991-386-01	BUTTON (WINDOW)	
* 75	1-666-330-11	SP SW BOARD		99	4-994-595-01	SPACER (LID)	
				M101	A-4384-605-A	MOTOR ASSY (DOOR OPEN/CLOSE)	

(3) BACK PANEL SECTION

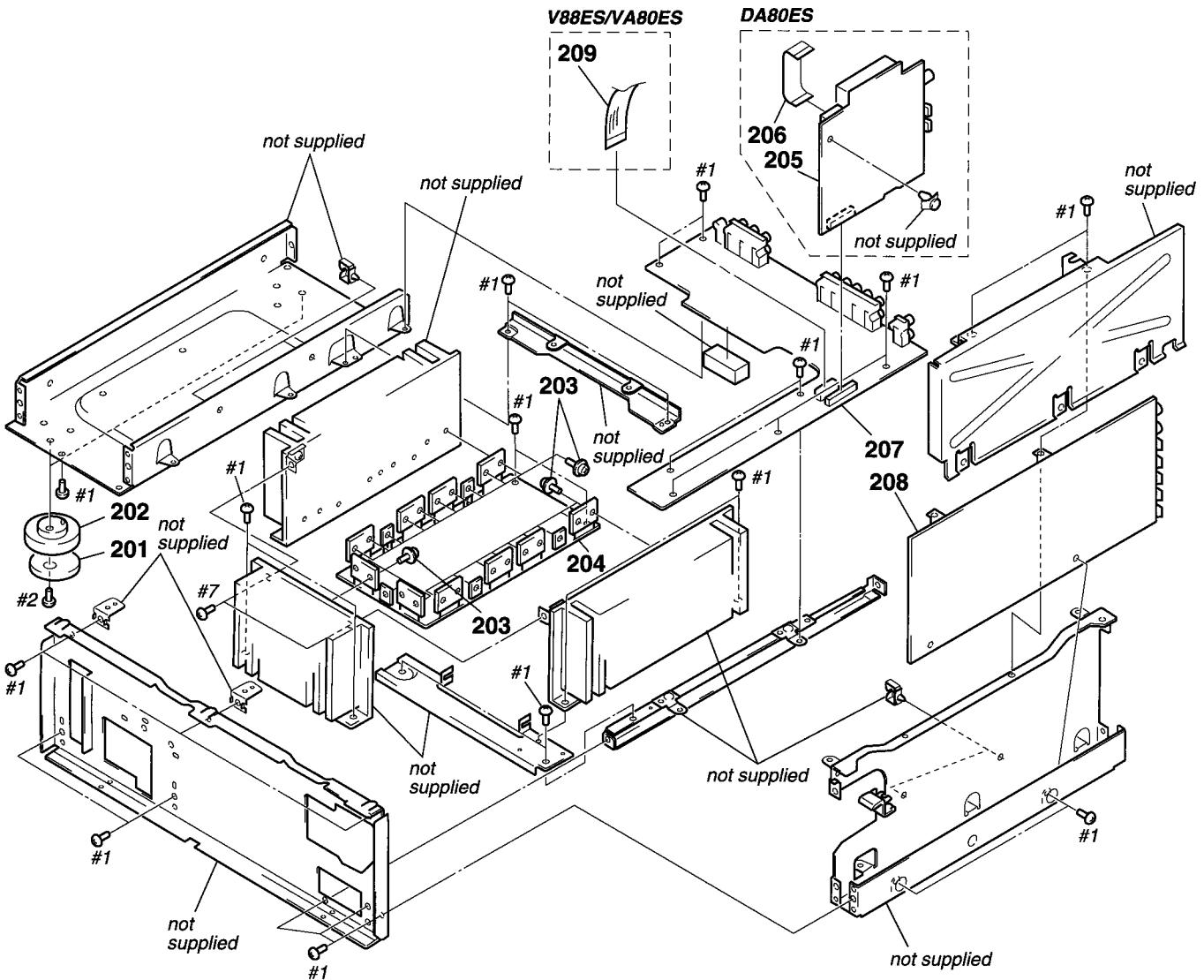


The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 151	1-666-305-11	F.VIDEO BOARD		* 161	4-991-373-51	PANEL (STR), BACK (DA80ES: AUS)	
* 152	1-666-304-11	HP BOARD		* 161	4-991-373-61	PANEL (STR), BACK (DA80ES: E, PX)	
* 153	1-666-303-11	PTB BOARD		* 161	4-991-374-01	PANEL (TA), BACK	(VA80ES: AEP, UK, G, EE, CIS)
* 154	1-666-302-11	PTA BOARD		* 161	4-991-374-31	PANEL (TA), BACK (VA80ES: E, SP, MY)	
* 155	A-4398-793-A	SPTM BOARD, COMPLETE (DA80ES)		* 161	4-991-374-41	PANEL (TA), BACK (V88ES)	
* 155	A-4398-827-A	SPTM BOARD, COMPLETE (V88ES/VA80ES)		* 162	A-4398-773-A	S VIDEO BOARD, COMPLETE	(DA80ES: US, Canadian)
* 156	A-4398-769-A	AC BOARD, COMPLETE	(DA80ES: US, Canadian)	* 162	A-4398-774-A	S VIDEO BOARD, COMPLETE	(DA80ES: E, AUS, PX/V88ES/VA80ES)
* 156	A-4398-770-A	AC BOARD, COMPLETE (DA80ES: AUS)		* 163	A-4398-772-A	VIDEO BOARD, COMPLETE	
* 156	A-4398-771-A	AC BOARD, COMPLETE (DA80ES: E, PX)		* 164	1-666-322-11	AUDIO BOARD	
* 156	A-4398-816-A	AC BOARD, COMPLETE (V88ES/VA80ES)		* 166	1-666-324-11	CBV BOARD	
* 157	3-703-244-00	BUSHING (2104), CORD (DA80ES: E, AUS, PX/V88ES/VA80ES)		Δ CNS901	1-251-416-11	OUTLET, A.C. (DA80ES: AUS)	
157	4-916-783-01	BUSHING, CORD (DA80ES: US, Canadian)		Δ CNS901	1-526-794-11	OUTLET, AC (V88ES/VA80ES: E, MY, SP)	
Δ 158	1-559-479-11	CORD, POWER (DA80ES: US, Canadian)		Δ T901	1-431-388-11	TRANSFORMER, POWER (DA80ES: E, PX)	
Δ 158	1-690-608-11	CORD, POWER (DA80ES: AUS)		Δ T901	1-431-389-11	TRANSFORMER, POWER (DA80ES: AUS)	
Δ 158	1-776-095-11	CORD, POWER (DA80ES: E, PX/VA80ES)		Δ T901	1-431-391-11	TRANSFORMER, POWER (DA80ES: US)	
Δ 158	1-782-464-21	CORD, POWER (V88ES)		Δ T901	1-431-392-11	TRANSFORMER, POWER (DA80ES: Canadian)	
Δ 159	1-569-008-21	ADAPTOR, CONVERSION 2P (DA80ES: E, PX)		Δ T901	1-431-393-11	TRANSFORMER, POWER (V88ES/VA80ES)	
160	4-947-010-01	SCREW, FEEDER FIXED					
* 161	4-991-373-31	PANEL (STR), BACK (DA80ES: US)					
* 161	4-991-373-41	PANEL (STR), BACK (DA80ES: Canadian)					

(4) CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	4-970-124-01	CUSHION (F50180S)		* 207	A-4398-782-A	INPUT BOARD, COMPLETE (DA80ES)	
202	4-970-123-01	FOOT (F50180S)		* 207	A-4398-823-A	INPUT BOARD, COMPLETE (V88ES/VA80ES)	
203	3-905-609-01	SCREW (TRANSISTOR)		* 208	A-4398-831-A	DIGITAL BOARD, COMPLETE (V88ES/VA80ES)	
* 204	A-4403-068-A	AMP BOARD, COMPLETE (DA80ES)		* 208	A-4403-829-A	DIGITAL BOARD, COMPLETE (DA80ES: AUS)	
* 204	A-4403-069-A	AMP BOARD BOARD, COMPLETE (V88ES/ VA80ES)		* 208	A-4403-830-A	DIGITAL BOARD, COMPLETE (DA80ES: US, Canadian)	
* 205	1-666-310-11	TUNER BOARD (DA80ES)		* 208	A-4403-831-A	DIGITAL BOARD, COMPLETE (DA80ES: E, PX)	
206	1-773-001-11	WIRE (FLAT TYPE) (15 CORE) (DA80ES)		209	1-769-946-11	WIRE (FLAT TYPE) (11 CORE) (V88ES/VA80ES)	

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 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

• Abbreviation

DA80ES: STR-DA80ES V88ES: TA-V88ES VA80ES: TA-VA80ES

AUS: Australian EE: East European G: German MY: Malaysia SP: Singapore

- 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.

Les composants identifiés par une marque Δ sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark		
*	A-4398-769-A	AC BOARD, COMPLETE (DA80ES: US, Canadian)		D904	8-719-024-99	DIODE 11ES2-NTA2B			
*	A-4398-770-A	AC BOARD, COMPLETE (DA80ES: AUS)		D905	8-719-987-63	DIODE 1N4148M			
*	A-4398-771-A	AC BOARD, COMPLETE (DA80ES: E, PX)		D906	8-719-987-63	DIODE 1N4148M			
*	A-4398-816-A	AC BOARD, COMPLETE (V88ES/VA80ES) *****		D907	8-719-987-63	DIODE 1N4148M			
							< EARTH TERMINAL >		
	1-533-293-11	HOLDER, FUSE		EB901	1-537-738-21	TERMINAL, EARTH			
	7-685-872-09	SCREW +BVTT 3X8 (S)					< FUSE >		
		< CAPACITOR >							
C901	1-164-097-11	CERAMIC	0.022uF	50V	Δ F901	1-532-465-51	FUSE, TIME LAG (3.15A/250V) (DA80ES: E, AUS, PX/V88ES/VA80ES)		
C902	1-164-097-11	CERAMIC	0.022uF	50V	Δ F901	1-533-312-11	FUSE, GLASS CYLINDRICAL (DIA.5) (10A/125V) (DA80ES: US, Canadian)		
C903	1-126-767-11	ELECT	1000uF	20%	Δ F903	1-532-464-51	FUSE (2.5A/250V) (DA80ES: AUS/V88ES/VA80ES)		
C904	1-126-960-11	ELECT	1uF	20%	50V				
C905	1-126-959-11	ELECT	0.47uF	20%	50V				
C906	1-124-464-11	ELECT	0.22uF	20%	50V	Δ F904	1-532-465-51	FUSE, TIME LAG (3.15A/250V) (DA80ES: E, PX)	
C907	1-126-964-11	ELECT	10uF	20%	50V				
C908	1-164-159-11	CERAMIC	0.1uF	50V				< IC >	
C910	1-164-159-11	CERAMIC	0.1uF	50V					
C911	1-164-159-11	CERAMIC	0.1uF	50V					
C912	1-164-159-11	CERAMIC	0.1uF	50V	IC901	8-759-333-83	IC NJM2103D		
Δ C913	1-113-927-11	CERAMIC	0.01uF	99%				< TRANSISTOR >	
		< CONNECTOR >							
CNE910	1-770-963-11	PIN, CONNECTOR (PCB) (V TYPE) 3P (DA80ES)			Q901	8-729-119-79	TRANSISTOR 2SC2785-FEK		
CNE910	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P (V88ES/VA80ES)			Q902	8-729-209-15	TRANSISTOR 2SD2012		
CNP905	1-774-108-11	PIN, CONNECTOR (PC BOARD) (DA80ES: AUS/V88ES/VA80ES)						< RESISTOR >	
CNV901	1-564-321-00	PIN, CONNECTOR 2P			R900	1-249-393-11	CARBON 10 5% 1/4W		
* CNV902	1-565-792-11	PIN, CONNECTOR 2P			Δ R901	1-202-725-00	SOLID 3.3M 10% 1/2W (DA80ES: US, Canadian)		
CNV903	1-568-106-11	PIN, CONNECTOR 4P (DA80ES: E, PX)			R902	1-249-429-11	CARBON 10K 5% 1/4W		
					R903	1-249-425-11	CARBON 4.7K 5% 1/4W		
		< AC OUTLET >			R904	1-249-417-11	CARBON 1K 5% 1/4W		
Δ CNJ901	1-540-060-11	OUTLET, AC (POLAR) (AC OUTLET) (DA80ES: US, Canadian, E, PX)			R905	1-249-428-11	CARBON 8.2K 5% 1/4W		
					R906	1-249-421-11	CARBON 2.2K 5% 1/4W		
		< DIODE >			R908	1-249-433-11	CARBON 22K 5% 1/4W		
D901	8-719-024-99	DIODE 11ES2-NTA2B			R909	1-249-439-11	CARBON 68K 5% 1/4W		
D902	8-719-024-99	DIODE 11ES2-NTA2B						< RELAY >	
D903	8-719-024-99	DIODE 11ES2-NTA2B			R910	1-249-437-11	CARBON 47K 5% 1/4W		
					R912	1-249-430-11	CARBON 12K 5% 1/4W		
					Δ RY901	1-515-999-11	RELAY, POWER		

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark				
< TRANSFORMER >											
△T902	1-431-387-11	TRANSFORMER, POWER		C987	1-113-686-21	ELECT	2200uF 20% 63V (V88ES/VA80ES)				
< SWITCH >											
△VS901	1-571-437-11	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECT) (DA80ES: E, PX)		C988	1-115-568-21	ELECT	2200uF 20% 71V (DA80ES)				

*	A-4403-068-A	AMP BOARD, COMPLETE (DA80ES)		C988	1-113-686-21	ELECT	2200uF 20% 63V (V88ES/VA80ES)				
*	A-4403-069-A	AMP BOARD, COMPLETE (V88ES/VA80ES)		C990	1-106-228-00	MYLAR	0.22uF 5% 100V				

4-992-924-01	SPACER (49)			C991	1-106-228-00	MYLAR	0.22uF 5% 100V				

< CAPACITOR >											
C008	1-126-051-11	ELECT	47uF 20% 50V	D001	8-719-815-85	DIODE	1S1585				
C010	1-107-597-11	CERAMIC	22PF 10% 500V	D002	8-719-815-85	DIODE	1S1585				
C011	1-107-597-11	CERAMIC	22PF 10% 500V	D971	8-719-302-37	DIODE	RBV-602				
C012	1-107-597-11	CERAMIC	22PF 10% 500V	D972	8-719-302-37	DIODE	RBV-602				
C013	1-107-597-11	CERAMIC	22PF 10% 500V	D973	8-719-302-37	DIODE	RBV-602				
C020	1-136-165-00	FILM	0.1uF 5% 50V	D991	8-719-024-99	DIODE	11ES2-NTA2B				
C022	1-126-935-11	ELECT	470uF 20% 6.3V	D992	8-719-024-99	DIODE	11ES2-NTA2B				
C023	1-126-965-11	ELECT	22uF 20% 50V	< DIODE >							
C608	1-126-051-11	ELECT	47uF 20% 50V	Q001	8-729-119-76	TRANSISTOR	2SA1175-HFE				
C610	1-107-597-11	CERAMIC	22PF 10% 500V	Q002	8-729-026-08	TRANSISTOR	2SC4495				
C611	1-107-597-11	CERAMIC	22PF 10% 500V	Q005	8-749-010-43	IC	NE-N250				
C612	1-107-597-11	CERAMIC	22PF 10% 500V	Q006	8-749-010-42	IC	NE-P250				
C613	1-107-597-11	CERAMIC	22PF 10% 500V	Q007	8-729-140-82	TRANSISTOR	2SA988-PAFAEA				
C620	1-136-165-00	FILM	0.1uF 5% 50V	Q010	8-729-119-79	TRANSISTOR	2SC2785-FEK				
C658	1-126-051-11	ELECT	47uF 20% 50V	Q011	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA				
C660	1-107-597-11	CERAMIC	22PF 10% 500V	Q012	8-729-140-82	TRANSISTOR	2SA988-PAFAEA				
C661	1-107-597-11	CERAMIC	22PF 10% 500V	Q601	8-729-119-76	TRANSISTOR	2SA1175-HFE				
C670	1-136-165-00	FILM	0.1uF 5% 50V	Q602	8-729-026-08	TRANSISTOR	2SC4495				
C676	1-107-597-11	CERAMIC	22PF 10% 500V	< TRANSISTOR >							
C677	1-107-597-11	CERAMIC	22PF 10% 500V	Q605	8-749-010-43	IC	NE-N250				
C708	1-126-051-11	ELECT	47uF 20% 50V	Q606	8-749-010-42	IC	NE-P250				
C710	1-107-597-11	CERAMIC	22PF 10% 500V	Q607	8-729-140-82	TRANSISTOR	2SA988-PAFAEA				
C711	1-107-597-11	CERAMIC	22PF 10% 500V	Q651	8-729-119-76	TRANSISTOR	2SA1175-HFE				
C712	1-107-597-11	CERAMIC	22PF 10% 500V	Q652	8-729-026-08	TRANSISTOR	2SC4495				
C713	1-107-597-11	CERAMIC	22PF 10% 500V	< RESISTOR >							
C720	1-136-165-00	FILM	0.1uF 5% 50V	Q655	8-749-010-43	IC	NE-N250				
C758	1-126-051-11	ELECT	47uF 20% 50V	Q656	8-749-010-42	IC	NE-P250				
C760	1-107-597-11	CERAMIC	22PF 10% 500V	Q657	8-729-140-82	TRANSISTOR	2SA988-PAFAEA				
C761	1-107-597-11	CERAMIC	22PF 10% 500V	Q701	8-729-119-76	TRANSISTOR	2SA1175-HFE				
C770	1-136-165-00	FILM	0.1uF 5% 50V	Q702	8-729-026-08	TRANSISTOR	2SC4495				
C776	1-107-597-11	CERAMIC	22PF 10% 500V	Q705	8-749-010-43	IC	NE-N250				
C777	1-107-597-11	CERAMIC	22PF 10% 500V	Q706	8-749-010-42	IC	NE-P250				
C985	1-117-858-11	CAPACITOR	12000uF 20% 71V (DA80ES)	Q707	8-729-140-82	TRANSISTOR	2SA988-PAFAEA				
C985	1-117-859-11	CAPACITOR	12000uF 20% 63V (V88ES/VA80ES)	Q751	8-729-119-76	TRANSISTOR	2SA1175-HFE				
C986	1-117-858-11	CAPACITOR	12000uF 20% 71V (DA80ES)	Q752	8-729-026-08	TRANSISTOR	2SC4495				
C986	1-117-859-11	CAPACITOR	12000uF 20% 63V (V88ES/VA80ES)	Q755	8-749-010-43	IC	NE-N250				
C986	1-117-859-11	CAPACITOR	12000uF 20% 63V (V88ES/VA80ES)	Q756	8-749-010-42	IC	NE-P250				
C987	1-115-568-21	ELECT	2200uF 20% 71V (DA80ES)	Q757	8-729-140-82	TRANSISTOR	2SA988-PAFAEA				
< RESISTOR >											
R005	1-249-421-11	CARBON	2.2K 5% 1/4W								
R006	1-249-437-11	CARBON	47K 5% 1/4W								

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AMP

AUDIO

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark		
R007	1-249-411-11	CARBON	330	5%	1/4W	△R763	1-249-393-11	CARBON	10	5%	1/4W F
△R010	1-249-393-11	CARBON	10	5%	1/4W F	R765	1-233-352-41	ENCAPSULATED COMPONENT			
△R011	1-249-393-11	CARBON	10	5%	1/4W F	R768	1-233-352-41	ENCAPSULATED COMPONENT			
△R012	1-249-393-11	CARBON	10	5%	1/4W F	R771	1-249-427-11	CARBON	6.8K	5%	1/4W
△R013	1-249-393-11	CARBON	10	5%	1/4W F	R772	1-249-419-11	CARBON	1.5K	5%	1/4W
R016	1-233-352-41	ENCAPSULATED COMPONENT				R773	1-249-437-11	CARBON	47K	5%	1/4W
R017	1-233-352-41	ENCAPSULATED COMPONENT				△R911	1-247-727-11	CARBON	10	5%	1/2W F
R021	1-249-427-11	CARBON	6.8K	5%	1/4W	△R912	1-247-727-11	CARBON	10	5%	1/2W F
R022	1-249-419-11	CARBON	1.5K	5%	1/4W						
R023	1-249-437-11	CARBON	47K	5%	1/4W						
R053	1-249-429-11	CARBON	10K	5%	1/4W						
R054	1-249-417-11	CARBON	1K	5%	1/4W	RV001	1-241-660-21	RES, ADJ, CARBON 220			
R055	1-249-429-11	CARBON	10K	5%	1/4W	RV601	1-241-660-21	RES, ADJ, CARBON 220			
R056	1-249-429-11	CARBON	10K	5%	1/4W	RV651	1-241-660-21	RES, ADJ, CARBON 220			
R057	1-249-441-11	CARBON	100K	5%	1/4W	RV701	1-241-660-21	RES, ADJ, CARBON 220			
R605	1-249-421-11	CARBON	2.2K	5%	1/4W	RV751	1-241-660-21	RES, ADJ, CARBON 220			
R606	1-249-437-11	CARBON	47K	5%	1/4W	*****	*****	*****	*****	*****	*****
R607	1-249-411-11	CARBON	330	5%	1/4W	*	1-666-322-11	AUDIO BOARD			
△R610	1-249-393-11	CARBON	10	5%	1/4W F						
△R611	1-249-393-11	CARBON	10	5%	1/4W F						
△R612	1-249-393-11	CARBON	10	5%	1/4W F	C209	1-162-282-31	CERAMIC	100PF	10%	50V
△R613	1-249-393-11	CARBON	10	5%	1/4W F	(VA80ES: AEP, UK, G, EE, CIS)					
R615	1-233-352-41	ENCAPSULATED COMPONENT				C210	1-162-282-31	CERAMIC	100PF	10%	50V
R618	1-233-352-41	ENCAPSULATED COMPONENT				(VA80ES: AEP, UK, G, EE, CIS)					
R621	1-249-427-11	CARBON	6.8K	5%	1/4W	C212	1-162-282-31	CERAMIC	100PF	10%	50V
R622	1-249-419-11	CARBON	1.5K	5%	1/4W	(VA80ES: AEP, UK, G, EE, CIS)					
R623	1-249-437-11	CARBON	47K	5%	1/4W	C213	1-162-282-31	CERAMIC	100PF	10%	50V
R655	1-249-421-11	CARBON	2.2K	5%	1/4W	(VA80ES: AEP, UK, G, EE, CIS)					
R656	1-249-437-11	CARBON	47K	5%	1/4W	C214	1-162-282-31	CERAMIC	100PF	10%	50V
R657	1-249-411-11	CARBON	330	5%	1/4W	(VA80ES: AEP, UK, G, EE, CIS)					
△R660	1-249-393-11	CARBON	10	5%	1/4W F	C215	1-162-282-31	CERAMIC	100PF	10%	50V
△R661	1-249-393-11	CARBON	10	5%	1/4W F	(VA80ES: AEP, UK, G, EE, CIS)					
△R662	1-249-393-11	CARBON	10	5%	1/4W F	C223	1-162-282-31	CERAMIC	100PF	10%	50V
△R663	1-249-393-11	CARBON	10	5%	1/4W F	(VA80ES: AEP, UK, G, EE, CIS)					
R665	1-233-352-41	ENCAPSULATED COMPONENT				C259	1-162-282-31	CERAMIC	100PF	10%	50V
R668	1-233-352-41	ENCAPSULATED COMPONENT				C260	1-162-282-31	CERAMIC	100PF	10%	50V
R671	1-249-427-11	CARBON	6.8K	5%	1/4W	(VA80ES: AEP, UK, G, EE, CIS)					
R672	1-249-419-11	CARBON	1.5K	5%	1/4W	C262	1-162-282-31	CERAMIC	100PF	10%	50V
R673	1-249-437-11	CARBON	47K	5%	1/4W	(VA80ES: AEP, UK, G, EE, CIS)					
R705	1-249-421-11	CARBON	2.2K	5%	1/4W	C263	1-162-282-31	CERAMIC	100PF	10%	50V
R706	1-249-437-11	CARBON	47K	5%	1/4W	(VA80ES: AEP, UK, G, EE, CIS)					
R707	1-249-411-11	CARBON	330	5%	1/4W	C264	1-162-282-31	CERAMIC	100PF	10%	50V
△R710	1-249-393-11	CARBON	10	5%	1/4W F	(VA80ES: AEP, UK, G, EE, CIS)					
△R711	1-249-393-11	CARBON	10	5%	1/4W F	C265	1-162-282-31	CERAMIC	100PF	10%	50V
△R712	1-249-393-11	CARBON	10	5%	1/4W F	(VA80ES: AEP, UK, G, EE, CIS)					
△R713	1-249-393-11	CARBON	10	5%	1/4W F	C273	1-162-282-31	CERAMIC	100PF	10%	50V
R715	1-233-352-41	ENCAPSULATED COMPONENT				C291	1-126-048-81	ELECT	10uF	20%	50V
R718	1-233-352-41	ENCAPSULATED COMPONENT				C292	1-126-048-81	ELECT	10uF	20%	50V
R721	1-249-427-11	CARBON	6.8K	5%	1/4W	C293	1-126-048-81	ELECT	10uF	20%	50V
R722	1-249-419-11	CARBON	1.5K	5%	1/4W	C294	1-126-048-81	ELECT	10uF	20%	50V
R723	1-249-437-11	CARBON	47K	5%	1/4W	C295	1-162-282-31	CERAMIC	100PF	10%	50V
R755	1-249-421-11	CARBON	2.2K	5%	1/4W	C296	1-162-294-31	CERAMIC	0.001uF	10%	50V
R756	1-249-437-11	CARBON	47K	5%	1/4W						
R757	1-249-411-11	CARBON	330	5%	1/4W						
△R760	1-249-393-11	CARBON	10	5%	1/4W F	< CONNECTOR >					
						CNE211	1-770-963-11	PIN, CONNECTOR (PCB) (V TYPE) 3P			
						CNS210	1-695-093-11	SOCKET, CONNECTOR 9P			
△R761	1-249-393-11	CARBON	10	5%	1/4W F						
△R762	1-249-393-11	CARBON	10	5%	1/4W F						

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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AUDIO

BAL (A)

BAL (B)

CBV

CONNECTOR

DIGITAL

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>			<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>			<u>Remark</u>													
< IC >						< VARIABLE RESISTOR >																		
IC291	8-759-805-13	IC	LC7821			RV101	1-467-808-11	ENCODER, ROTARY (FUNCTION)																
IC292	8-759-634-51	IC	M5218AP			< SWITCH >																		
< JACK >						S140	1-572-184-11	SWITCH, KEYBOARD (MODE)	*****															
J210	1-778-064-11	JACK, PIN 4P	(LD/DVD IN, TV/DBS IN)			*	1-666-316-11	BAL (B) BOARD	*****															
J211	1-778-064-11	JACK, PIN 4P	(VIDEO 2 IN/OUT)			< RESISTOR >																		
J212	1-778-064-11	JACK, PIN 4P	(VIDEO 1 IN/OUT)			R222	1-249-417-11	CARBON	1K	5%	1/4W	R144	1-249-429-11	CARBON	10K	5%	1/4W							
< RESISTOR >						R223	1-249-417-11	CARBON	1K	5%	1/4W	< VARIABLE RESISTOR >												
R224	1-249-417-11	CARBON		1K	5%	1/4W	R225	1-249-417-11	CARBON	1K	5%	1/4W	RV140	1-225-480-11	RES, VAR, CARBON	100K/100K	(BALANCE)	*****						
R226	1-249-417-11	CARBON		1K	5%	1/4W	R227	1-249-417-11	CARBON	1K	5%	1/4W	*	1-666-324-11	CBV BOARD	*****								
R229	1-249-417-11	CARBON		100	5%	1/4W	R269	1-247-807-31	CARBON	100	5%	1/4W	< CONNECTOR >											
R271	1-247-807-31	CARBON		100	5%	1/4W	R272	1-249-417-11	CARBON	1K	5%	1/4W	R273	1-249-417-11	CARBON	1K	5%	1/4W	CNP805	1-695-088-11	PIN, CONNECTOR (PC BOARD)	9P	*****	
R274	1-249-417-11	CARBON		1K	5%	1/4W	R275	1-249-417-11	CARBON	1K	5%	1/4W	CNP806	1-695-088-11	PIN, CONNECTOR (PC BOARD)	9P	*****							
R276	1-249-417-11	CARBON		1K	5%	1/4W	R277	1-249-417-11	CARBON	1K	5%	1/4W	< CONNECTOR >											
R291	1-249-441-11	CARBON		100K	5%	1/4W	R292	1-249-441-11	CARBON	100K	5%	1/4W	*	1-666-331-11	CONNECTOR BOARD	*****								
R295	1-249-417-11	CARBON		1K	5%	1/4W	R296	1-249-425-11	CARBON	4.7K	5%	1/4W	< CONNECTOR >											

*	1-666-315-11	BAL (A) BOARD		*****			CNS101	1-779-976-21	PIN, CONNECTOR	9P														
< CAPACITOR >						CNS104	1-779-699-11	CONNECTOR, FFC (LIF (NON-ZIF))	7P															
C140	1-126-964-11	ELECT		10uF	20%	50V	CNS106	1-779-699-11	CONNECTOR, FFC (LIF (NON-ZIF))	7P														
< CONNECTOR >						< RESISTOR >																		
CNP141	1-766-553-11	PLUG, CONNECTOR	10P			R189	1-216-049-91	METAL CHIP	1K	5%	1/10W													
CNS107	1-770-398-11	HOUSING, CONNECTOR (PC BOARD)	5P			R190	1-216-049-91	METAL CHIP	1K	5%	1/10W													
CNS108	1-770-397-11	HOUSING, CONNECTOR (PC BOARD)	4P			*****																		
< LED >						*	A-4398-831-A	DIGITAL BOARD, COMPLETE (V88ES/VA80ES)																
D140	8-719-046-39	LED	SEL5821A-TH15 (MUTING)			*	A-4403-829-A	DIGITAL BOARD, COMPLETE (DA80ES: AUS)																
< IC >						*	A-4403-830-A	DIGITAL BOARD, COMPLETE (DA80ES: US, Canadian)																
IC140	8-759-962-08	IC	BA6208			*	A-4403-831-A	DIGITAL BOARD, COMPLETE (DA80ES: E, PX)																
< TRANSISTOR >						*****																		
Q141	8-729-900-36	TRANSISTOR	DTC124ES			C3101	1-126-048-81	ELECT	10uF	20%	50V													
Q142	8-729-900-36	TRANSISTOR	DTC124ES			C3102	1-126-048-81	ELECT	10uF	20%	50V													
< RESISTOR >						C3103	1-110-341-11	MYLAR	330PF	5%	50V													
R140	1-249-429-11	CARBON		10K	5%	1/4W	C3104	1-110-341-11	MYLAR	330PF	5%	50V												
R141	1-249-429-11	CARBON		10K	5%	1/4W	C3105	1-126-048-81	ELECT	10uF	20%	50V												
R142	1-249-411-11	CARBON		330	5%	1/4W	C3106	1-165-319-11	CERAMIC CHIP	0.1uF		50V												
R143	1-249-411-11	CARBON		330	5%	1/4W	C3107	1-106-351-00	MYLAR	2200PF	5%	200V												
< CAPACITOR >						C3108	1-165-319-11	CERAMIC CHIP	0.1uF		50V													
< RESISTOR >						C3109	1-165-319-11	CERAMIC CHIP	0.1uF		50V													
< CONNECTOR >						C3110	1-126-009-81	ELECT	100uF	20%	16V													

DIGITAL

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>		<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>		<u>Remark</u>	
C3111	1-164-222-11	CERAMIC CHIP	0.22uF	25V	C3337	1-163-099-00	CERAMIC CHIP	18PF	5% 50V	
C3112	1-126-048-81	ELECT	10uF	20%	50V	C3338	1-163-085-00	CERAMIC CHIP	2PF	50V
C3113	1-126-048-81	ELECT	10uF	20%	50V	C3339	1-126-048-81	ELECT	10uF	20% 50V
C3114	1-164-222-11	CERAMIC CHIP	0.22uF	25V	C3340	1-164-232-11	CERAMIC CHIP	0.01uF	50V	
C3115	1-126-051-11	ELECT	47uF	20%	50V	C3341	1-164-232-11	CERAMIC CHIP	0.01uF	50V
C3116	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3342	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C3117	1-164-232-11	CERAMIC CHIP	0.01uF	50V	C3345	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C3118	1-163-099-00	CERAMIC CHIP	18PF	5%	50V	C3346	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3119	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	C3347	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3120	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3348	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C3121	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3351	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C3122	1-126-009-81	ELECT	100uF	20%	16V	C3352	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3151	1-126-048-81	ELECT	10uF	20%	50V	C3353	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3152	1-126-048-81	ELECT	10uF	20%	50V	C3354	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3153	1-110-341-11	MYLAR	330PF	5%	50V	C3355	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3154	1-110-341-11	MYLAR	330PF	5%	50V	C3401	1-163-222-11	CERAMIC CHIP	5PF	0.25PF 50V
C3155	1-126-048-81	ELECT	10uF	20%	50V	C3402	1-163-222-11	CERAMIC CHIP	5PF	0.25PF 50V
C3156	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3403	1-163-222-11	CERAMIC CHIP	5PF	0.25PF 50V	
C3157	1-106-351-00	MYLAR	2200PF	5%	200V	C3404	1-163-222-11	CERAMIC CHIP	5PF	0.25PF 50V
C3158	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3405	1-163-222-11	CERAMIC CHIP	5PF	0.25PF 50V	
C3159	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3406	1-163-222-11	CERAMIC CHIP	5PF	0.25PF 50V	
C3160	1-126-009-81	ELECT	100uF	20%	16V	C3407	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3161	1-164-222-11	CERAMIC CHIP	0.22uF	25V	C3408	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C3162	1-126-048-81	ELECT	10uF	20%	50V	C3409	1-163-275-11	CERAMIC CHIP	0.001uF	5% 50V
C3163	1-126-048-81	ELECT	10uF	20%	50V	C3410	1-130-483-00	MYLAR	0.01uF	5% 50V
C3164	1-164-222-11	CERAMIC CHIP	0.22uF	25V	C3411	1-163-249-11	CERAMIC CHIP	82PF	5% 50V	
C3166	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3412	1-163-227-11	CERAMIC CHIP	10PF	0.5PF 50V	
C3301	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C3413	1-163-229-11	CERAMIC CHIP	12PF	5% 50V
C3302	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3414	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C3303	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3415	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C3304	1-163-023-00	CERAMIC CHIP	0.015uF	5%	50V	C3416	1-163-251-11	CERAMIC CHIP	100PF	5% 50V
C3305	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V	C3417	1-163-251-11	CERAMIC CHIP	100PF	5% 50V
C3306	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3418	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C3307	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3419	1-126-009-81	ELECT	100uF	20% 16V	
C3308	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3420	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C3309	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3421	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C3310	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3422	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C3311	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3423	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C3312	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3424	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C3313	1-126-009-81	ELECT	100uF	20%	16V	C3425	1-163-251-11	CERAMIC CHIP	100PF	5% 50V
C3314	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3426	1-163-251-11	CERAMIC CHIP	100PF	5% 50V	
C3315	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V	C3427	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3316	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V	C3428	1-163-263-11	CERAMIC CHIP	330PF	5% 50V
C3320	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V	C3429	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3321	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3430	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C3322	1-163-248-11	CERAMIC CHIP	75PF	5%	50V	C3431	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3323	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V	C3432	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3324	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3433	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C3325	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3434	1-163-251-11	CERAMIC CHIP	100PF	5% 50V	
C3326	1-164-232-11	CERAMIC CHIP	0.01uF	50V	C3435	1-163-251-11	CERAMIC CHIP	100PF	5% 50V	
C3327	1-136-921-11	FILM	1uF	5%	50V	C3436	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3328	1-136-921-11	FILM	1uF	5%	50V	C3438	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3330	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3439	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
C3331	1-126-009-81	ELECT	100uF	20%	16V	C3440	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3332	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C3441	1-126-048-81	ELECT	10uF	20% 50V	
C3333	1-126-051-11	ELECT	47uF	20%	50V	C3442	1-163-243-11	CERAMIC CHIP	47PF	5% 50V
C3334	1-130-495-00	MYLAR	0.1uF	5%	50V	C3443	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3336	1-165-319-11	CERAMIC CHIP	0.1uF	50V						

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark	
C3444	1-126-009-81	ELECT	100uF	20%	16V	C3534	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3447	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3535	1-110-339-11	MYLAR	220PF	5% 50V
C3471	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3536	1-110-339-11	MYLAR	220PF	5% 50V
C3472	1-130-490-11	MYLAR	0.039uF	5%	50V	C3537	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3475	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3538	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3476	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3539	1-110-339-11	MYLAR	220PF	5% 50V
C3477	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3540	1-130-477-00	MYLAR	0.0033uF	5% 50V
C3478	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3541	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3479	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C3542	1-130-469-00	MYLAR	680PF	5% 50V
C3480	1-164-232-11	CERAMIC CHIP	0.01uF	50V		C3543	1-110-339-11	MYLAR	220PF	5% 50V
C3481	1-126-049-11	ELECT	22uF	20%	50V	C3544	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3482	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3545	1-130-469-00	MYLAR	680PF	5% 50V
C3483	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3546	1-130-477-00	MYLAR	0.0033uF	5% 50V
C3484	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V	C3547	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3485	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3548	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3486	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3549	1-110-339-11	MYLAR	220PF	5% 50V
C3487	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3550	1-163-259-91	CERAMIC CHIP	220PF	5% 50V
C3488	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3550	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3489	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3551	1-110-339-11	MYLAR	220PF	5% 50V
C3490	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V	C3552	1-110-339-11	MYLAR	220PF	5% 50V
C3491	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3553	1-110-339-11	MYLAR	220PF	5% 50V
C3492	1-126-049-11	ELECT	22uF	20%	50V	C3554	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3493	1-164-232-11	CERAMIC CHIP	0.01uF	50V		C3555	1-110-339-11	MYLAR	220PF	5% 50V
C3494	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3556	1-110-339-11	MYLAR	220PF	5% 50V
C3495	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C3557	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3496	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3558	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3497	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3559	1-110-339-11	MYLAR	220PF	5% 50V
C3498	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3560	1-130-477-00	MYLAR	0.0033uF	5% 50V
C3499	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3561	1-130-469-00	MYLAR	680PF	5% 50V
C3500	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3562	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3501	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3563	1-110-339-11	MYLAR	220PF	5% 50V
C3502	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3564	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3503	1-110-339-11	MYLAR	220PF	5%	50V	C3565	1-130-477-00	MYLAR	0.0033uF	5% 50V
C3504	1-110-339-11	MYLAR	220PF	5%	50V	C3566	1-130-469-00	MYLAR	680PF	5% 50V
C3505	1-110-339-11	MYLAR	220PF	5%	50V	C3567	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3506	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3568	1-110-339-11	MYLAR	220PF	5% 50V
C3507	1-126-049-11	ELECT	22uF	20%	50V	C3569	1-110-339-11	MYLAR	220PF	5% 50V
C3508	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C3570	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3509	1-110-339-11	MYLAR	220PF	5%	50V	C3571	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3510	1-130-477-00	MYLAR	0.0033uF	5%	50V	C3572	1-110-339-11	MYLAR	220PF	5% 50V
C3511	1-130-469-00	MYLAR	680PF	5%	50V	C3573	1-126-048-81	ELECT	10uF	20% 50V
C3512	1-110-339-11	MYLAR	220PF	5%	50V	C3574	1-126-048-81	ELECT	10uF	20% 50V
C3513	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3575	1-126-048-81	ELECT	10uF	20% 50V
C3514	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3576	1-126-048-81	ELECT	10uF	20% 50V
C3515	1-110-339-11	MYLAR	220PF	5%	50V	C3577	1-126-048-81	ELECT	10uF	20% 50V
C3516	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3578	1-126-048-81	ELECT	10uF	20% 50V
C3517	1-110-339-11	MYLAR	220PF	5%	50V	C3579	1-126-048-81	ELECT	10uF	20% 50V
C3518	1-110-339-11	MYLAR	220PF	5%	50V	C3580	1-126-048-81	ELECT	10uF	20% 50V
C3519	1-130-477-00	MYLAR	0.0033uF	5%	50V	C3581	1-126-048-81	ELECT	10uF	20% 50V
C3520	1-130-469-00	MYLAR	680PF	5%	50V	C3582	1-126-048-81	ELECT	10uF	20% 50V
C3521	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3583	1-126-048-81	ELECT	10uF	20% 50V
C3522	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3584	1-126-048-81	ELECT	10uF	20% 50V
C3525	1-126-049-11	ELECT	22uF	20%	50V	C3585	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3526	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C3586	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3527	1-126-049-11	ELECT	22uF	20%	50V	C3587	1-126-049-11	ELECT	22uF	20% 50V
C3531	1-126-049-11	ELECT	22uF	20%	50V	C3588	1-126-049-11	ELECT	22uF	20% 50V
C3532	1-165-319-11	CERAMIC CHIP	0.1uF	50V		C3589	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C3533	1-110-339-11	MYLAR	220PF	5%	50V					

DIGITAL

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
C3590	1-126-009-81	ELECT	100uF 20%	16V			
C3591	1-126-009-81	ELECT	100uF 20%	16V			< IC >
C3592	1-126-009-81	ELECT	100uF 20%	16V			
C3600	1-126-049-11	ELECT	22uF 20%	50V	IC3101	8-759-636-55	IC M5218APP
C3605	1-126-049-11	ELECT	22uF 20%	50V	IC3102	8-759-636-55	IC M5218APP
C3606	1-126-049-11	ELECT	22uF 20%	50V	IC3103	8-759-636-55	IC M5218APP
C3607	1-126-049-11	ELECT	22uF 20%	50V	IC3104	8-759-463-77	IC CXD8681M-TP
C3608	1-126-049-11	ELECT	22uF 20%	50V	IC3105	8-759-711-58	IC NJM78L05UA
C3609	1-126-049-11	ELECT	22uF 20%	50V	IC3106	8-759-045-17	IC NJM79L05UA
C3621	1-165-319-11	CERAMIC CHIP	0.1uF	50V	IC3107	8-759-242-70	IC TC7WU04F
C3622	1-165-319-11	CERAMIC CHIP	0.1uF	50V	IC3108	8-759-233-26	IC TC74HC393AF-TP1
C3623	1-126-009-81	ELECT	100uF 20%	16V	IC3301	8-749-923-05	IC TORX178 (DIGITAL LD/DVD OPTICAL IN)
C3625	1-165-319-11	CERAMIC CHIP	0.1uF	50V	IC3302	8-749-923-05	IC TORX178 (DA80ES: DIGITAL TV/DBS OPTICAL IN) (V88ES/VA80ES: DIGITAL TV OPTICAL IN)
C3650	1-130-467-00	MYLAR	470PF 5%	50V	IC3303	8-749-923-05	IC TORX178 (DIGITAL CD OPTICAL IN)
C3653	1-130-467-00	MYLAR	470PF 5%	50V	IC3304	8-749-923-04	IC TOTX178 (DIGITAL DAT/MD OPTICAL OUT)
C3656	1-130-467-00	MYLAR	470PF 5%	50V	IC3305	8-759-262-03	IC MC14577CF
C3659	1-130-467-00	MYLAR	470PF 5%	50V	IC3306	8-759-636-55	IC M5218APP
C3662	1-130-467-00	MYLAR	470PF 5%	50V	IC3307	8-759-045-17	IC NJM79L05UA
C3665	1-130-467-00	MYLAR	470PF 5%	50V	IC3308	8-759-463-68	IC SN-PM4007A
				IC3309	8-759-441-94	IC IDT71256SA20Y-TL	
				IC3311	8-759-326-72	IC CXD8521M	
				IC3312	8-749-923-05	IC TORX178 (DIGITAL DAT/MD OPTICAL IN)	
* CND35021-564-922-11	PIN, CONNECTOR (SMALL TYPE) 6P			IC3313	8-759-236-17	IC TC74HC151AF-TP1	
CND35031-568-946-11	PIN, CONNECTOR 8P			IC3314	8-759-242-70	IC TC7WU04F	
* CND35041-568-949-11	PIN, CONNECTOR 11P			IC3401	8-759-370-62	IC CXD8505BQ	
CNE34021-770-963-11	PIN, CONNECTOR (PCB) (V TYPE) 3P (DA80ES)			IC3402	8-759-370-62	IC CXD8505BQ	
CNE34021-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P (V88ES/VA80ES)			IC3403	8-759-370-62	IC CXD8505BQ	
* CNE34031-564-725-11	PIN, CONNECTOR (SMALL TYPE) 9P			IC3407	8-759-233-26	IC TC74HC393AF-TP1	
* CNE35011-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			IC3408	8-759-233-64	IC TC74HCU04AF	
CNS35031-569-061-11	SOCKET, CONNECTOR 11P (V88ES/VA80ES)			IC3409	8-759-250-81	IC TC5081AP	
* CNS35031-569-306-11	SOCKET, CONNECTOR (L TYRE) 15P (DA80ES)			IC3410	8-759-446-37	IC DSP56009FJ88F	
				IC3411	8-759-436-44	IC IDT71024S20Y-TL	
				IC3412	8-759-446-40	IC SSP424023FJ88	
D3301	8-719-016-74	DIODE 1SS352		IC3413	8-759-488-55	IC MB90641APF-G-104BND	
D3302	8-719-016-74	DIODE 1SS352		IC3414	8-759-232-65	IC TC74HC157AF	
D3303	8-719-061-62	DIODE KV1851		IC3417	8-759-233-64	IC TC74HCU04AF	
D3401	8-719-951-05	DIODE KV1560		IC3425	8-759-242-70	IC TC7WU04F	
D3402	8-719-801-78	DIODE 1SS184					
D3403	8-719-801-78	DIODE 1SS184		IC3501	8-759-636-55	IC M5218APP	
D3404	8-719-016-74	DIODE 1SS352		IC3502	8-759-636-55	IC M5218APP	
D3407	8-719-820-05	DIODE 1SS181		IC3503	8-759-636-55	IC M5218APP	
D3408	8-719-016-74	DIODE 1SS352		IC3504	8-759-636-55	IC M5218APP	
D3409	8-719-801-78	DIODE 1SS184		IC3505	8-759-636-55	IC M5218APP	
D3501	8-719-801-78	DIODE 1SS184		IC3506	8-759-636-55	IC M5218APP	
D3502	8-719-801-78	DIODE 1SS184		IC3507	8-759-636-55	IC M5218APP	
				IC3508	8-759-636-55	IC M5218APP	
				IC3509	8-759-636-55	IC M5218APP	
				IC3510	8-759-636-55	IC M5218APP	
				IC3511	8-759-636-55	IC M5218APP	
FB401	1-410-397-21	FERRITE BEAD INDUCTOR		IC3512	8-759-636-55	IC M5218APP	
FB402	1-410-397-21	FERRITE BEAD INDUCTOR		IC3513	8-759-636-55	IC M5218APP	
FB403	1-410-397-21	FERRITE BEAD INDUCTOR		IC3514	8-759-636-55	IC M5218APP	
FB404	1-410-397-21	FERRITE BEAD INDUCTOR		IC3515	8-759-636-55	IC M5218APP	
				IC3516	8-759-463-71	IC LC7535M-TP	
				IC3517	8-759-463-71	IC LC7535M-TP	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< JACK >		Q3307	8-729-028-96	TRANSISTOR RT1N141M-TP-1	
J3301	1-770-905-21	JACK, PIN 1P (LD/DVD COAXIAL)		Q3308	8-729-216-22	TRANSISTOR 2SA1162-G	
J3302	1-779-797-11	JACK, PIN 1P (LD/DVD AC-3 RF)		Q3309	8-729-028-96	TRANSISTOR RT1N141M-TP-1	
		< CHIP CONDUCTOR >		Q3310	8-729-216-22	TRANSISTOR 2SA1162-G	
JW3001	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3311	8-729-028-96	TRANSISTOR RT1N141M-TP-1	
JW3002	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3312	8-729-216-22	TRANSISTOR 2SA1162-G	
JW3301	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3313	8-729-028-96	TRANSISTOR RT1N141M-TP-1	
JW3302	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3314	8-729-216-22	TRANSISTOR 2SA1162-G	
JW3303	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3401	8-729-232-11	TRANSISTOR 2SK302-GR-TE85L	
JW3304	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3402	8-729-232-11	TRANSISTOR 2SK302-GR-TE85L	
JW3305	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3403	8-729-230-49	TRANSISTOR 2SC2712-YG	
JW3306	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3404	8-729-230-49	TRANSISTOR 2SC2712-YG	
JW3307	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3405	8-729-230-49	TRANSISTOR 2SC2712-YG	
JW3308	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3406	8-729-230-49	TRANSISTOR 2SC2712-YG	
JW3309	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3407	8-729-027-23	TRANSISTOR DTA114EKA-T146	
JW3310	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3501	8-729-107-46	TRANSISTOR 2SC3624A-L15	
JW3311	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3502	8-729-107-46	TRANSISTOR 2SC3624A-L15	
JW3312	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3503	8-729-107-46	TRANSISTOR 2SC3624A-L15	
JW3313	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3504	8-729-107-46	TRANSISTOR 2SC3624A-L15	
JW3314	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3505	8-729-107-46	TRANSISTOR 2SC3624A-L15	
JW3315	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3506	8-729-107-46	TRANSISTOR 2SC3624A-L15	
JW3316	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3510	8-729-230-49	TRANSISTOR 2SC2712-YG	
JW3317	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3511	8-729-107-46	TRANSISTOR 2SC3624A-L15	
JW3318	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3512	8-729-107-46	TRANSISTOR 2SC3624A-L15	
JW3319	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3513	8-729-107-46	TRANSISTOR 2SC3624A-L15	
JW3320	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3514	8-729-107-46	TRANSISTOR 2SC3624A-L15	
JW3321	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3515	8-729-107-46	TRANSISTOR 2SC3624A-L15	
JW3322	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3516	8-729-107-46	TRANSISTOR 2SC3624A-L15	
JW3323	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3517	8-729-107-46	TRANSISTOR 2SC3624A-L15	
JW3324	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3518	8-729-107-46	TRANSISTOR 2SC3624A-L15	
JW3403	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3519	8-729-107-46	TRANSISTOR 2SC3624A-L15	
JW3404	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3520	8-729-107-46	TRANSISTOR 2SC3624A-L15	
JW3405	1-216-295-00	CONDUCTOR, CHIP (2012)		Q3521	8-729-107-46	TRANSISTOR 2SC3624A-L15	
		< RESISTOR >		Q3522	8-729-107-46	TRANSISTOR 2SC3624A-L15	
		< FERRITE BEAD >					
L3301	1-410-391-11	INDUCTOR CHIP 68uH		△ R3000	1-216-473-11	METAL OXIDE 56 5%	3W F
L3401	1-426-850-11	COIL (RF) 0.4uH		R3100	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
L3402	1-410-381-11	INDUCTOR CHIP 10uH		R3101	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
L3403	1-410-381-11	INDUCTOR CHIP 10uH		R3102	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
L3404	1-410-381-11	INDUCTOR CHIP 10uH		R3103	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
L3405	1-410-381-11	INDUCTOR CHIP 10uH		R3104	1-216-053-00	METAL CHIP 1.5K 5%	1/10W
L3406	1-414-813-21	MICRO INDUCTOR (CHIP TYPE)		R3105	1-216-017-00	METAL GLAZE 47 5%	1/10W
L3407	1-414-813-21	MICRO INDUCTOR (CHIP TYPE)		R3106	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
L3408	1-414-813-21	MICRO INDUCTOR (CHIP TYPE)		R3107	1-216-053-00	METAL CHIP 1.5K 5%	1/10W
L3409	1-500-425-11	FERRITE BEAD		R3108	1-216-017-00	METAL GLAZE 47 5%	1/10W
L3410	1-500-425-11	FERRITE BEAD		R3109	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
L3411	1-500-425-11	FERRITE BEAD (DA80ES: US, Canadian)		R3110	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
		< TRANSISTOR >		R3111	1-216-073-00	METAL CHIP 10K 5%	1/10W
Q3301	8-729-230-49	TRANSISTOR 2SC2712-YG		R3112	1-216-027-00	METAL CHIP 120 5%	1/10W
Q3302	8-729-230-49	TRANSISTOR 2SC2712-YG		R3113	1-216-073-00	METAL CHIP 10K 5%	1/10W
Q3303	8-729-216-22	TRANSISTOR 2SA1162-G		R3114	1-216-025-00	METAL GLAZE 100 5%	1/10W
Q3304	8-729-230-49	TRANSISTOR 2SC2712-YG		R3115	1-216-025-00	METAL GLAZE 100 5%	1/10W
Q3305	8-729-230-49	TRANSISTOR 2SC2712-YG		R3116	1-216-121-00	METAL GLAZE 1M 5%	1/10W
Q3306	8-729-216-22	TRANSISTOR 2SA1162-G		R3117	1-216-041-00	METAL CHIP 470 5%	1/10W
				R3118	1-216-025-00	METAL GLAZE 100 5%	1/10W
				R3119	1-216-025-00	METAL GLAZE 100 5%	1/10W
				R3120	1-216-025-00	METAL GLAZE 100 5%	1/10W

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

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark		
R3121	1-216-043-00	METAL GLAZE	560	5%	1/10W	R3341	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R3123	1-216-041-00	METAL CHIP	470	5%	1/10W	R3342	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W
R3124	1-216-041-00	METAL CHIP	470	5%	1/10W	R3343	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3150	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3344	1-216-093-00	METAL CHIP	68K	5%	1/10W
R3151	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3345	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3152	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3346	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3153	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3347	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R3154	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	R3348	1-216-027-00	METAL CHIP	120	5%	1/10W
R3155	1-216-017-00	METAL GLAZE	47	5%	1/10W	R3349	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R3156	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3350	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R3157	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	R3351	1-216-017-00	METAL GLAZE	47	5%	1/10W
R3158	1-216-017-00	METAL GLAZE	47	5%	1/10W	R3352	1-216-025-00	METAL GLAZE	100	5%	1/10W
R3159	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3353	1-216-025-00	METAL GLAZE	100	5%	1/10W
R3160	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3354	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3161	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3355	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3162	1-216-027-00	METAL CHIP	120	5%	1/10W	R3356	1-216-081-00	METAL CHIP	22K	5%	1/10W
R3163	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3357	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3300	1-216-097-00	METAL GLAZE	100K	5%	1/10W	R3358	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3301	1-216-022-00	METAL CHIP	75	5%	1/10W	R3359	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3302	1-216-109-00	METAL CHIP	330K	5%	1/10W	R3360	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3303	1-216-081-00	METAL CHIP	22K	5%	1/10W	R3361	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3304	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3362	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3305	1-216-029-00	METAL CHIP	150	5%	1/10W	R3363	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3306	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3364	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3307	1-216-022-00	METAL CHIP	75	5%	1/10W	R3365	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3308	1-216-022-00	METAL CHIP	75	5%	1/10W	R3366	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3309	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3367	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3310	1-216-022-00	METAL CHIP	75	5%	1/10W	R3368	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3311	1-216-097-00	METAL GLAZE	100K	5%	1/10W	R3369	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3312	1-216-025-00	METAL GLAZE	100	5%	1/10W	R3370	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3313	1-216-022-00	METAL CHIP	75	5%	1/10W	R3371	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3314	1-216-022-00	METAL CHIP	75	5%	1/10W	R3372	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3315	1-216-025-00	METAL GLAZE	100	5%	1/10W	R3373	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3316	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3374	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3317	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3375	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3318	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3376	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3319	1-216-083-00	METAL CHIP	27K	5%	1/10W	R3377	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3320	1-216-043-00	METAL GLAZE	560	5%	1/10W	R3378	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3321	1-216-024-00	METAL GLAZE	91	5%	1/10W	R3379	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3322	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3380	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3323	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3381	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3324	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3382	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3325	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3383	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R3326	1-216-029-00	METAL CHIP	150	5%	1/10W	R3384	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R3327	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3385	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3328	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3386	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3329	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3387	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3330	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3388	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3331	1-216-055-00	METAL CHIP	1.8K	5%	1/10W	R3389	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3332	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3390	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3333	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3391	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3334	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3392	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3335	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3393	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3336	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3394	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3337	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	R3395	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3338	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3396	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3339	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	R3397	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3340	1-216-081-00	METAL CHIP	22K	5%	1/10W	R3398	1-216-073-00	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R3399	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3458	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3400	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3460	1-216-081-00	METAL CHIP	22K	5%	1/10W
R3401	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R3465	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3402	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3466	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3403	1-216-097-00	METAL CHIP	100K	5%	1/10W	R3479	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R3404	1-216-097-00	METAL CHIP	100K	5%	1/10W	R3480	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R3405	1-216-295-00	CONDUCTOR, CHIP (2012)				R3498	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3406	1-216-295-00	CONDUCTOR, CHIP (2012)				R3499	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3407	1-216-295-00	CONDUCTOR, CHIP (2012)				R3500	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3408	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3501	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R3409	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	R3502	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3410	1-216-097-00	METAL GLAZE	100K	5%	1/10W	R3503	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3411	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3504	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3412	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3505	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R3413	1-216-295-00	CONDUCTOR, CHIP (2012)				R3506	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R3414	1-216-295-00	CONDUCTOR, CHIP (2012)				R3507	1-216-295-00	CONDUCTOR, CHIP (2012)			
R3415	1-216-295-00	CONDUCTOR, CHIP (2012)				R3508	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3416	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3509	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R3417	1-216-017-00	METAL GLAZE	47	5%	1/10W	R3510	1-216-295-00	CONDUCTOR, CHIP (2012)			
R3418	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3511	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3419	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3512	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R3420	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3513	1-216-295-00	CONDUCTOR, CHIP (2012)			
R3421	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3514	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3422	1-216-295-00	CONDUCTOR, CHIP (2012)				R3515	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R3423	1-216-295-00	CONDUCTOR, CHIP (2012)				R3516	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3424	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3517	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3425	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3518	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R3426	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3519	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R3427	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3520	1-216-295-00	CONDUCTOR, CHIP (2012)			
R3428	1-216-295-00	CONDUCTOR, CHIP (2012)				R3521	1-216-062-00	METAL CHIP	3.6K	5%	1/10W
R3429	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3522	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3430	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3523	1-216-054-00	METAL GLAZE	1.6K	5%	1/10W
R3431	1-216-295-00	CONDUCTOR, CHIP (2012)				R3524	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R3432	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3525	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R3433	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3526	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3434	1-216-295-00	CONDUCTOR, CHIP (2012)				R3527	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3435	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3528	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3436	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3529	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3437	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3530	1-216-085-00	METAL CHIP	33K	5%	1/10W
R3438	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3531	1-216-081-00	METAL CHIP	22K	5%	1/10W
R3439	1-216-295-00	CONDUCTOR, CHIP (2012)				R3532	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R3440	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3533	1-216-109-00	METAL CHIP	330K	5%	1/10W
R3441	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3534	1-216-109-00	METAL CHIP	330K	5%	1/10W
R3442	1-216-295-00	CONDUCTOR, CHIP (2012)				R3535	1-216-062-00	METAL CHIP	3.6K	5%	1/10W
R3443	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3536	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R3444	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3537	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R3445	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3538	1-216-049-11	METAL GLAZE	1K	5%	1/10W
R3446	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3539	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3447	1-216-041-00	METAL CHIP	470	5%	1/10W	R3540	1-216-054-00	METAL GLAZE	1.6K	5%	1/10W
R3449	1-216-295-00	CONDUCTOR, CHIP (2012)				R3541	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3450	1-216-295-00	CONDUCTOR, CHIP (2012)				R3542	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3451	1-216-295-00	CONDUCTOR, CHIP (2012)				R3543	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3452	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3544	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R3453	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3545	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R3455	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3546	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R3456	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3547	1-216-121-00	METAL GLAZE	1M	5%	1/10W
R3457	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3548	1-216-121-00	METAL GLAZE	1M	5%	1/10W
						R3549	1-216-065-00	METAL CHIP	4.7K	5%	1/10W

DIGITAL

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark		
R3550	1-216-081-00	METAL CHIP	22K	5%	1/10W	R3607	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3551	1-216-121-00	METAL GLAZE	1M	5%	1/10W	R3608	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3552	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3609	1-216-041-00	METAL CHIP	470	5%	1/10W
R3553	1-216-081-00	METAL CHIP	22K	5%	1/10W	R3610	1-216-041-00	METAL CHIP	470	5%	1/10W
R3554	1-216-295-00	CONDUCTOR, CHIP (2012)				R3611	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3555	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3612	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3556	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3613	1-216-041-00	METAL CHIP	470	5%	1/10W
R3557	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	R3614	1-216-041-00	METAL CHIP	470	5%	1/10W
R3558	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	R3615	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3559	1-216-295-00	CONDUCTOR, CHIP (2012)				R3616	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3560	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3617	1-216-041-00	METAL CHIP	470	5%	1/10W
R3561	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R3618	1-216-041-00	METAL CHIP	470	5%	1/10W
R3562	1-216-295-00	CONDUCTOR, CHIP (2012)				R3619	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3563	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3620	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3564	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R3621	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R3565	1-216-295-00	CONDUCTOR, CHIP (2012)				R3622	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R3566	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3623	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R3567	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3626	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3568	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	R3627	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3569	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	R3628	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3570	1-216-295-00	CONDUCTOR, CHIP (2012)				R3629	1-216-298-00	METAL CHIP	2.2	5%	1/10W
R3571	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3631	1-216-079-00	METAL CHIP	18K	5%	1/10W
R3572	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	R3632	1-216-056-00	METAL GLAZE	2K	5%	1/10W
R3573	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	R3633	1-216-079-00	METAL CHIP	18K	5%	1/10W
R3574	1-216-295-00	CONDUCTOR, CHIP (2012)				R3634	1-216-056-00	METAL GLAZE	2K	5%	1/10W
R3575	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R3635	1-216-079-00	METAL CHIP	18K	5%	1/10W
R3576	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R3636	1-216-056-00	METAL GLAZE	2K	5%	1/10W
R3577	1-216-295-00	CONDUCTOR, CHIP (2012)				R3637	1-216-079-00	METAL CHIP	18K	5%	1/10W
R3578	1-216-121-00	METAL GLAZE	1M	5%	1/10W	R3638	1-216-056-00	METAL GLAZE	2K	5%	1/10W
R3579	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3639	1-216-079-00	METAL CHIP	18K	5%	1/10W
R3580	1-216-081-00	METAL CHIP	22K	5%	1/10W	R3640	1-216-056-00	METAL GLAZE	2K	5%	1/10W
R3581	1-216-121-00	METAL GLAZE	1M	5%	1/10W	R3641	1-216-079-00	METAL CHIP	18K	5%	1/10W
R3582	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3642	1-216-056-00	METAL GLAZE	2K	5%	1/10W
R3583	1-216-081-00	METAL CHIP	22K	5%	1/10W	R3650	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3584	1-216-295-00	CONDUCTOR, CHIP (2012)				R3651	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3585	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3652	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3586	1-216-295-00	CONDUCTOR, CHIP (2012)				R3653	1-216-295-00	CONDUCTOR, CHIP (2012)			
R3587	1-216-295-00	CONDUCTOR, CHIP (2012)				R3654	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3588	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3655	1-216-295-00	CONDUCTOR, CHIP (2012)			
R3589	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3656	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3590	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3657	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3591	1-216-295-00	CONDUCTOR, CHIP (2012)				R3658	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3592	1-216-295-00	CONDUCTOR, CHIP (2012)				R3659	1-216-295-00	CONDUCTOR, CHIP (2012)			
R3593	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3660	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3594	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	R3661	1-216-295-00	CONDUCTOR, CHIP (2012)			
R3595	1-216-073-00	METAL CHIP	10K	5%	1/10W	R3662	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3596	1-216-097-00	METAL GLAZE	100K	5%	1/10W	R3663	1-216-295-00	CONDUCTOR, CHIP (2012)			
R3597	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3664	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3598	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3665	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3599	1-216-041-00	METAL CHIP	470	5%	1/10W	R3666	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R3600	1-216-041-00	METAL CHIP	470	5%	1/10W	R3667	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3601	1-216-041-00	METAL CHIP	470	5%	1/10W	R3668	1-216-295-00	CONDUCTOR, CHIP (2012)			
R3602	1-216-041-00	METAL CHIP	470	5%	1/10W	R3669	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3603	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3670	1-216-295-00	CONDUCTOR, CHIP (2012)			
R3604	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	R3671	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3605	1-216-041-00	METAL CHIP	470	5%	1/10W	R3672	1-216-295-00	CONDUCTOR, CHIP (2012)			
R3606	1-216-041-00	METAL CHIP	470	5%	1/10W	R3673	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
					R3674	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	

DIGITAL**DISPLAY**

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>		<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>		<u>Remark</u>		
R3675	1-216-073-00	METAL CHIP	10K	5%	1/10W	C130	1-124-455-00	ELECT	100uF	20%	16V
R3676	1-216-295-00	CONDUCTOR, CHIP	(2012)			C133	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
R3677	1-216-073-00	METAL CHIP	10K	5%	1/10W	C142	1-165-319-11	CERAMIC CHIP	0.1uF	50V	
R3678	1-216-295-00	CONDUCTOR, CHIP	(2012)							< CONNECTOR >	
R3679	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	* CND102	1-568-949-11	PIN, CONNECTOR 11P			
R3680	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	* CND107	1-568-940-21	PIN, CONNECTOR 2P (DA80ES: US, Canadian)			
R3681	1-216-073-00	METAL CHIP	10K	5%	1/10W	CNE101	1-764-342-11	PIN, CONNECTOR (PCB) (L TYPE) 5P			
R3682	1-216-295-00	CONDUCTOR, CHIP	(2012)			CNP107	1-568-668-11	CONNECTOR, BOARD TO BOARD 6P			
R3683	1-216-073-00	METAL CHIP	10K	5%	1/10W	CNS102	1-779-976-21	PIN, CONNECTOR 9P			
R3684	1-216-295-00	CONDUCTOR, CHIP	(2012)			* CNS105	1-565-486-11	CONNECTOR, BOARD TO BOARD 10P			
										< VARIABLE RESISTOR >	
RV3301	1-241-765-11	RES, ADJ, CARBON	22K							< DIODE >	
						D102	8-719-313-43	LED	SEL6210S-TH10 (STANDBY) (V88ES/VA80ES)		
						D106	8-719-210-33	DIODE	EC10DS2		
RY3401	1-515-614-11	RELAY				D107	8-719-016-74	DIODE	1SS352		
						D108	8-719-313-45	LED	SEL6810A-TH10 (INDEX)		
X3302	1-767-434-21	VIBRATOR, CRYSTAL	(18.432MHz)			D109	8-719-313-45	LED	SEL6810A-TH10 (EQ)		
X3401	1-767-359-11	VIBRATOR, CERAMIC	(4MHz)			D110	8-719-313-45	LED	SEL6810A-TH10 (SUR)		
X3501	1-767-576-11	VIBRATOR, CRYSTAL	(12.288MHz)			D111	8-719-064-56	LED	SEC2484C (VIDEO 1)		
*****	*****	*****	*****			D112	8-719-064-56	LED	SEC2484C (VIDEO 2)		
*	A-4398-778-A	DISPLAY BOARD, COMPLETE				D113	8-719-064-56	LED	SEC2484C (VIDEO 3)		
.			(DA80ES: US, Canadian)			D114	8-719-064-56	LED	SEC2484C (LD/DVD)		
*	A-4398-779-A	DISPLAY BOARD, COMPLETE	(DA80ES: AUS)			D115	8-719-064-56	LED	SEC2484C (DA80ES: TV/DBS) (V88ES/VA80ES: TV)		
*	A-4398-780-A	DISPLAY BOARD, COMPLETE	(DA80ES: E, PX)			D116	8-719-064-55	LED	SEC1803C (TAPE)		
*	A-4398-819-A	DISPLAY BOARD, COMPLETE	(V88ES/VA80ES)			D117	8-719-064-55	LED	SEC1803C (DAT/MD)		
*****	*****	*****	*****			D118	8-719-064-55	LED	SEC1803C (CD)		
*	4-921-941-01	CUSHION (FL)				D119	8-719-064-55	LED	SEC1803C (TUNER)		
*	4-990-797-01	HOLDER (FL)				D130	8-719-064-55	LED	SEC1803C (PHONO)		
										< CAPACITOR >	
C101	1-165-319-11	CERAMIC CHIP	0.1uF							< FLUORESCENT INDICATOR TUBE >	
C102	1-126-786-11	ELECT	47uF	20%	16V	FL101	1-517-671-11	INDICATOR TUBE, FLUORESCENT			
C103	1-165-319-11	CERAMIC CHIP	0.1uF							< IC >	
C104	1-163-259-91	CERAMIC CHIP	220PF	5%	50V	IC101	8-759-075-35	IC	TD62C950RF		
C105	1-165-319-11	CERAMIC CHIP	0.1uF			IC102	8-759-389-51	IC	MSC1164GS-KR1		
C108	1-126-795-11	ELECT	10uF	20%	50V	IC104	8-759-459-84	IC	NJL56H400		
C109	1-165-319-11	CERAMIC CHIP	0.1uF			IC105	8-759-457-56	IC	MB90673PF-G-206-BND		
C110	1-126-795-11	ELECT	10uF	20%	50V	IC107	8-759-823-87	IC	LB1638M		
C111	1-165-319-11	CERAMIC CHIP	0.1uF							< CHIP CONDUCTOR >	
C112	1-165-319-11	CERAMIC CHIP	0.1uF			JW6	1-216-295-00	CONDUCTOR, CHIP	(2012)		
C114	1-165-319-11	CERAMIC CHIP	0.1uF			JW12	1-216-295-00	CONDUCTOR, CHIP	(2012)		
C115	1-104-905-11	CAPACITOR	0.22F							(DA80ES: US, Canadian)	
C116	1-164-232-11	CERAMIC CHIP	0.01uF			JW13	1-216-295-00	CONDUCTOR, CHIP	(2012) (DA80ES: AUS)		
C117	1-164-232-11	CERAMIC CHIP	0.01uF			JW14	1-216-295-00	CONDUCTOR, CHIP	(2012) (DA80ES: E, PX)		
C119	1-165-319-11	CERAMIC CHIP	0.1uF			JW17	1-216-295-00	CONDUCTOR, CHIP	(2012) (V88ES/VA80ES)		
C120	1-165-319-11	CERAMIC CHIP	0.1uF							< TRANSISTOR >	
C121	1-165-319-11	CERAMIC CHIP	0.1uF			Q100	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
C122	1-165-319-11	CERAMIC CHIP	0.1uF			Q101	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
C123	1-165-319-11	CERAMIC CHIP	0.1uF			Q102	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
C124	1-165-319-11	CERAMIC CHIP	0.1uF							(V88ES/VA80ES)	
C125	1-165-319-11	CERAMIC CHIP	0.1uF			Q103	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
C126	1-165-319-11	CERAMIC CHIP	0.1uF							(V88ES/VA80ES)	
C127	1-165-319-11	CERAMIC CHIP	0.1uF			Q104	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
C128	1-126-786-11	ELECT	47uF	20%	16V						
C129	1-165-319-11	CERAMIC CHIP	0.1uF								

DISPLAY

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q105	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R151	1-216-081-00	METAL CHIP	22K 5% 1/10W
Q107	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R152	1-216-097-00	METAL GLAZE	100K 5% 1/10W
Q109	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R160	1-216-049-11	METAL GLAZE	1K 5% 1/10W (DA80ES: US, Canadian)
Q110	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R169	1-216-037-00	METAL CHIP	330 5% 1/10W
Q111	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R170	1-216-041-00	METAL CHIP	470 5% 1/10W
Q112	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R171	1-216-045-00	METAL CHIP	680 5% 1/10W
Q113	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R172	1-216-049-11	METAL GLAZE	1K 5% 1/10W
Q114	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R173	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
Q115	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R174	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
Q116	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R175	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
Q117	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R176	1-216-037-00	METAL CHIP	330 5% 1/10W
Q118	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R177	1-216-041-00	METAL CHIP	470 5% 1/10W
Q119	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R178	1-216-045-00	METAL CHIP	680 5% 1/10W
Q120	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R179	1-216-049-11	METAL GLAZE	1K 5% 1/10W
Q121	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R180	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
Q122	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R181	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
Q123	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R191	1-216-049-11	METAL GLAZE	1K 5% 1/10W
Q124	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R192	1-216-049-11	METAL GLAZE	1K 5% 1/10W
Q125	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R193	1-216-049-11	METAL GLAZE	1K 5% 1/10W (DA80ES: US, Canadian)
Q126	8-729-027-43	TRANSISTOR	DTC114EKA-T146	R194	1-216-097-00	METAL GLAZE	100K 5% 1/10W
Q127	8-729-216-22	TRANSISTOR	2SA1162-G	R195	1-216-097-00	METAL GLAZE	100K 5% 1/10W
< RESISTOR >				R196	1-216-049-11	METAL GLAZE	1K 5% 1/10W
R102	1-216-097-00	METAL GLAZE	100K	R197	1-216-049-11	METAL GLAZE	1K 5% 1/10W
R103	1-216-029-00	METAL CHIP	150	R198	1-216-049-11	METAL GLAZE	1K 5% 1/10W
R105	1-216-081-00	METAL CHIP	22K	R199	1-216-049-11	METAL GLAZE	1K 5% 1/10W
R106	1-216-037-00	METAL CHIP	330	RR11	1-216-037-00	METAL CHIP	330 5% 1/10W (DA80ES: E, AUS, PX/V88ES/VA80ES)
			(V88ES/VA80ES)	RR12	1-216-041-00	METAL CHIP	470 5% 1/10W
R107	1-216-053-00	METAL CHIP	1.5K	RR13	1-216-045-00	METAL CHIP	680 5% 1/10W (DA80ES: E, PX/V88ES/VA80ES)
R108	1-216-089-00	METAL GLAZE	47K	RR14	1-216-049-11	METAL GLAZE	1K 5% 1/10W (DA80ES: E, PX/V88ES/VA80ES)
R116	1-216-037-00	METAL CHIP	330	RR15	1-216-053-00	METAL CHIP	1.5K 5% 1/10W (V88ES/VA80ES)
R117	1-216-065-00	METAL CHIP	4.7K	RR16	1-216-057-00	METAL CHIP	2.2K 5% 1/10W (V88ES/VA80ES)
R118	1-216-073-00	METAL CHIP	10K	RR17	1-216-065-00	METAL CHIP	4.7K 5% 1/10W (V88ES/VA80ES)
R119	1-216-089-00	METAL GLAZE	47K	< SWITCH >			
R120	1-216-306-11	METAL CHIP	3.9K	S101	1-572-184-11	SWITCH, KEYBOARD (EQUALIZER CH)	
R121	1-216-065-00	METAL CHIP	4.7K	S102	1-572-184-11	SWITCH, KEYBOARD (DPC MODE)	
R122	1-216-065-00	METAL CHIP	4.7K	S103	1-572-184-11	SWITCH, KEYBOARD (<)	
R123	1-216-065-00	METAL CHIP	4.7K	S104	1-572-184-11	SWITCH, KEYBOARD (V)	
R124	1-216-073-00	METAL CHIP	10K	S105	1-572-184-11	SWITCH, KEYBOARD (^)	
R125	1-216-037-00	METAL CHIP	330	S106	1-572-184-11	SWITCH, KEYBOARD (>)	
R126	1-216-029-00	METAL CHIP	150	S107	1-572-184-11	SWITCH, KEYBOARD (SET UP)	
R127	1-216-065-00	METAL CHIP	4.7K	S108	1-572-184-11	SWITCH, KEYBOARD (OPEN/CLOSE)	
R128	1-216-049-11	METAL GLAZE	1K	S109	1-572-184-11	SWITCH, KEYBOARD (EQUALIZER BAND)	
R129	1-216-049-11	METAL GLAZE	1K	S110	1-572-184-11	SWITCH, KEYBOARD (DA80ES: TUNING +) (V88ES/VA80ES: EQUALIZER ON/OFF)	
R132	1-216-033-00	METAL CHIP	220				
△R133	1-249-385-11	CARBON	2.2				
R135	1-216-037-00	METAL CHIP	330	S111	1-572-184-11	SWITCH, KEYBOARD (DA80ES: TUNING -) (V88ES/VA80ES: SOUND FIELD STANDARD)	
R136	1-216-037-00	METAL CHIP	330	S112	1-572-184-11	SWITCH, KEYBOARD (DA80ES: FM MODE) (V88ES/VA80ES: SLEEP)	
R137	1-216-049-11	METAL GLAZE	1K	S113	1-572-184-11	SWITCH, KEYBOARD (DA80ES: MEMORY) (V88ES/VA80ES: DIMMER)	
R138	1-216-049-11	METAL GLAZE	1K				
△R139	1-249-385-11	CARBON	2.2				
R140	1-216-073-00	METAL CHIP	10K				
R144	1-216-049-11	METAL GLAZE	1K				
R145	1-216-049-11	METAL GLAZE	1K				
R147	1-216-081-00	METAL CHIP	22K				
R148	1-216-089-00	METAL GLAZE	47K				
R150	1-216-081-00	METAL CHIP	22K				

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

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

DISPLAY	F. VIDEO	HP	INPUT
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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
S114	1-572-184-11	SWITCH, KEYBOARD (DISPLAY)		C203	1-162-282-31	CERAMIC	100PF 10% 50V
S136	1-554-118-00	SWITCH, PUSH (1 KEY) (POWER) (V88ES/VA80ES)		C204	1-126-008-51	ELECT	47uF 20% 16V
S137	1-572-184-11	SWITCH, KEYBOARD (POWER) (DA80ES) < VIBRATOR >		C205	1-130-480-00	MYLAR	0.0056uF 5% 50V
X100	1-767-359-11	VIBRATOR, CERAMIC (4MHz)		C206	1-130-473-00	MYLAR	0.0015uF 5% 50V

*	1-666-305-11	F.VIDEO BOARD *****		C207	1-126-044-11	ELECT	1uF 20% 50V
		< CAPACITOR >		C208	1-126-008-51	ELECT	47uF 20% 16V
C299	1-164-159-11	CERAMIC 0.1uF 50V < CONNECTOR >		C211	1-126-021-11	ELECT	33uF 20% 25V
CND299	1-568-940-21	PIN, CONNECTOR 2P		C217	1-162-282-31	CERAMIC	100PF 10% 50V
CNE290	1-770-968-11	PIN, CONNECTOR (PCB) (V TYPE) 8P < JACK >		C218	1-162-282-31	CERAMIC	(VA80ES: AEP, UK, G, EE, CIS) 100PF 10% 50V
J298	1-779-689-11	TERMINAL, S (VIDEO 3 INPUT S-VIDEO)		C219	1-162-282-31	CERAMIC	(VA80ES: AEP, UK, G, EE, CIS) 100PF 10% 50V
J299	1-779-798-11	JACK, PIN (BLOCK) (L TYPE) 3P (VIDEO 3 INPUT AUDIO/VIDEO) < RESISTOR >		C220	1-162-282-31	CERAMIC	(VA80ES: AEP, UK, G, EE, CIS) 100PF 10% 50V
R248	1-249-403-11	CARBON 68 5% 1/4W		C221	1-162-282-31	CERAMIC	(VA80ES: AEP, UK, G, EE, CIS) 100PF 10% 50V
R298	1-249-403-11	CARBON 68 5% 1/4W		C222	1-162-282-31	CERAMIC	(VA80ES: AEP, UK, G, EE, CIS) 100PF 10% 50V
R299	1-249-403-11	CARBON 68 5% 1/4W		C224	1-162-282-31	CERAMIC	(VA80ES: AEP, UK, G, EE, CIS) 100PF 10% 50V

*	1-666-304-11	HP BOARD *****		C225	1-162-282-31	CERAMIC	(VA80ES: AEP, UK, G, EE, CIS) 100PF 10% 50V
		< CONNECTOR >		C226	1-162-282-31	CERAMIC	(VA80ES: AEP, UK, G, EE, CIS) 100PF 10% 50V
CNE100	1-764-341-11	PIN, CONNECTOR (PCB) (L TYPE) 4P < JACK >		C227	1-162-282-31	CERAMIC	(VA80ES: AEP, UK, G, EE, CIS) 100PF 10% 50V
J100	1-568-519-41	JACK, LARGE TYPE (PHONES) < RESISTOR >		C228	1-162-286-31	CERAMIC	220PF 10% 50V
R178	1-247-749-11	CARBON 560 5% 1/2W		C248	1-126-023-11	ELECT	100uF 20% 25V
R179	1-247-749-11	CARBON 560 5% 1/2W		C249	1-126-023-11	ELECT	100uF 20% 25V

*	A-4398-782-A	INPUT BOARD, COMPLETE (DA80ES)		C251	1-126-047-81	ELECT	4.7uF 20% 50V
*	A-4398-823-A	INPUT BOARD, COMPLETE (V88ES/VA80ES) *****		C252	1-102-106-00	CERAMIC	100PF 10% 50V
				C253	1-162-282-31	CERAMIC	100PF 10% 50V
				C254	1-126-008-51	ELECT	47uF 20% 16V
				C255	1-130-480-00	MYLAR	0.0056uF 5% 50V
				C256	1-130-473-00	MYLAR	0.0015uF 5% 50V
				C257	1-126-044-11	ELECT	1uF 20% 50V
				C258	1-126-008-51	ELECT	47uF 20% 16V
				C261	1-126-021-11	ELECT	33uF 20% 25V
				C267	1-162-282-31	CERAMIC	100PF 10% 50V
				C268	1-162-282-31	CERAMIC	(VA80ES: AEP, UK, G, EE, CIS) 100PF 10% 50V
				C269	1-162-282-31	CERAMIC	(VA80ES: AEP, UK, G, EE, CIS) 100PF 10% 50V
				C270	1-162-282-31	CERAMIC	(VA80ES: AEP, UK, G, EE, CIS) 100PF 10% 50V
				C271	1-162-282-31	CERAMIC	(VA80ES: AEP, UK, G, EE, CIS) 100PF 10% 50V
				C272	1-162-282-31	CERAMIC	(VA80ES: AEP, UK, G, EE, CIS) 100PF 10% 50V
				C274	1-162-282-31	CERAMIC	(VA80ES: AEP, UK, G, EE, CIS) 100PF 10% 50V
				C275	1-162-282-31	CERAMIC	(VA80ES: AEP, UK, G, EE, CIS) 100PF 10% 50V
				C278	1-162-286-31	CERAMIC	(VA80ES: AEP, UK, G, EE, CIS) 220PF 10% 50V
				C297	1-162-294-31	CERAMIC	0.001uF 10% 50V
				C516	1-126-048-81	ELECT	10MF 20% 50V
				C563	1-126-048-81	ELECT	10MF 20% 50V

INPUT

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>			<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
C601	1-126-047-81	ELECT	4.7uF	20%	50V	D202	8-719-987-63	DIODE 1N4148M	
C602	1-110-335-11	MYLAR	100PF	5%	50V	D908	8-719-028-23	DIODE D3SBA20-4101	
C603	1-107-608-11	CERAMIC	68PF	5%	500V	D912	8-719-024-99	DIODE 11ES2-NTA2B	
C604	1-107-601-11	CERAMIC	33PF	5%	500V	D913	8-719-024-99	DIODE 11ES2-NTA2B	
C605	1-124-995-11	ELECT	220uF	20%	10V	D914	8-719-024-99	DIODE 11ES2-NTA2B	
C614	1-102-937-00	CERAMIC	4PF	± 0.25 PF	50V	D915	8-719-024-99	DIODE 11ES2-NTA2B	
C651	1-126-047-81	ELECT	4.7uF	20%	50V			< EARTH TERMINAL >	
C652	1-110-335-11	MYLAR	100PF	5%	50V			< IC >	
C653	1-107-608-11	CERAMIC	68PF	5%	500V	* EB201	1-537-738-21	TERMINAL, EARTH	
C654	1-107-601-11	CERAMIC	33PF	5%	500V			< JACK >	
C655	1-124-995-11	ELECT	220uF	20%	10V			< TRANSISTOR >	
C664	1-102-937-00	CERAMIC	4PF	± 0.25 PF	50V			< RESISTOR >	
C701	1-126-963-11	ELECT	4.7uF	20%	50V	IC001	8-749-011-16	IC STK350-230	
C702	1-162-282-31	CERAMIC	100PF	10%	50V	IC201	8-759-636-74	IC M5218AP-22	
			(DA80ES)			IC202	8-759-805-13	IC LC7821	
C703	1-126-923-11	ELECT	220uF	20%	10V	IC203	8-759-636-74	IC M5218AP-22	
C704	1-102-233-00	CERAMIC	33PF	10%	500V	IC253	8-759-636-74	IC M5218AP-22	
C705	1-126-063-11	ELECT	100uF	20%	63V (V88ES/VA80ES)	IC601	8-749-011-16	IC STK350-230	
C705	1-128-563-11	ELECT	100uF	20%	100V (DA80ES)	IC651	8-749-011-16	IC STK350-230	
C706	1-126-063-11	ELECT	100uF	20%	63V (V88ES/VA80ES)	IC701	8-759-326-52	IC uPC2581V	
C706	1-128-563-11	ELECT	100uF	20%	100V (DA80ES)	IC971	8-759-982-15	IC RC7815FA	
C714	1-162-193-31	CERAMIC	3.3PF	10%	50V	IC972	8-759-701-89	IC NJM7915FA	
C751	1-126-963-11	ELECT	4.7uF	20%	50V			< CONNECTOR >	
C752	1-162-282-31	CERAMIC	100PF	10%	50V (DA80ES)	J201	1-774-727-11	JACK, PIN 2P (PHONO IN)	
C753	1-126-923-11	ELECT	220uF	20%	10V	J201	1-778-064-11	JACK, PIN 4P (TUNER IN) (V88ES/VA80ES)	
C754	1-102-233-00	CERAMIC	33PF	10%	500V	J202	1-778-064-11	JACK, PIN 4P (DAT/MD IN/REC OUT)	
C754	1-126-923-11	ELECT	220uF	20%	10V	J203	1-779-493-11	JACK, PIN 6P (PRE OUT CENTER/WOOFER/REAR/FRONT)	
C764	1-162-193-31	CERAMIC	3.3PF	10%	50V	J204	1-778-064-11	JACK, PIN 4P (TAPE IN/REC OUT)	
C920	1-136-153-00	FILM	0.01uF	5%	50V	J205	1-784-035-11	JACK, PIN 1P (PRE OUT WOOFER)	
C921	1-136-153-00	FILM	0.01uF	5%	50V	J207	1-774-727-11	JACK, PIN 2P (CD IN)	
C922	1-136-153-00	FILM	0.01uF	5%	50V			< DIODE >	
C971	1-126-947-11	ELECT	47uF	20%	35V			< DIODE >	
C972	1-126-947-11	ELECT	47uF	20%	35V	Q201	8-729-141-30	TRANSISTOR 2SC3623A-LK	
C975	1-126-041-11	ELECT	2200uF	20%	35V	Q202	8-729-900-63	TRANSISTOR DTA124ES	
C976	1-126-041-11	ELECT	2200uF	20%	35V	Q203	8-729-119-79	TRANSISTOR 2SC2785-FEK	
C977	1-128-547-11	ELECT	6800uF	20%	16V	Q204	8-729-900-36	TRANSISTOR DTC124ES	
C978	1-126-023-11	ELECT	100uF	20%	25V	Q251	8-729-141-30	TRANSISTOR 2SC3623A-LK	
C979	1-126-023-11	ELECT	100uF	20%	25V			< RESISTOR >	
C980	1-126-023-11	ELECT	100uF	20%	25V	R001	1-259-167-21	CARBON 1K 5% 1/4W	
C983	1-126-023-11	ELECT	100uF	20%	25V	R002	1-259-209-81	CARBON 56K 1% 1/4W	
						R003	1-259-143-21	CARBON 100 1% 1/4W	
						R004	1-249-413-11	CARBON 470 5% 1/4W	
						R014	1-259-209-81	CARBON 56K 1% 1/4W	
CNE620	1-770-966-11	PIN, CONNECTOR (PCB) (V TYPE) 6P				R201	1-249-409-11	CARBON 220 5% 1/4W	
CNE621	1-770-967-11	PIN, CONNECTOR (PCB) (V TYPE) 7P				R202	1-249-441-11	CARBON 100K 5% 1/4W	
CNE622	1-770-969-11	PIN, CONNECTOR (PCB) (V TYPE) 9P				R203	1-249-441-11	CARBON 100K 5% 1/4W	
CNE939	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P				R204	1-249-416-11	CARBON 820 5% 1/4W	
CNP201	1-695-091-11	PIN, CONNECTOR (PC BOARD) 15P (DA80ES)				R205	1-247-897-11	CARBON 560K 5% 1/4W	
CNP202	1-779-799-11	PIN, CONNECTOR 9P				R206	1-249-437-11	CARBON 47K 5% 1/4W	
CNP203	1-695-088-11	PIN, CONNECTOR (PC BOARD) 9P				R207	1-249-441-11	CARBON 100K 5% 1/4W	
CNP204	1-695-087-11	PIN, CONNECTOR (PC BOARD) 7P				R208	1-247-807-31	CARBON 100 5% 1/4W	
CNS202	1-569-060-11	SOCKET, CONNECTOR 11P (V88ES/VA80ES)				R209	1-249-417-11	CARBON 1K 5% 1/4W (V88ES/VA80ES)	
D201	8-719-987-63	DIODE 1N4148M							

INPUT

MOTOR TM

PTA

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark		
R210	1-249-417-11	CARBON	1K	5%	1/4W	R297	1-249-425-11	CARBON	4.7K	5%	1/4W
R211	1-249-417-11	CARBON	1K	5%	1/4W	R601	1-259-167-21	CARBON	1K	5%	1/4W
R212	1-249-417-11	CARBON	1K	5%	1/4W	R602	1-259-209-81	CARBON	56K	1%	1/4W
R213	1-249-417-11	CARBON	1K	5%	1/4W	R603	1-249-911-11	CARBON	330	1%	1/4W
R214	1-249-417-11	CARBON	1K	5%	1/4W	R604	1-249-413-11	CARBON	470	5%	1/4W
R216	1-249-441-11	CARBON	100K	5%	1/4W	R614	1-259-209-81	CARBON	56K	1%	1/4W
R220	1-249-429-11	CARBON	10K	5%	1/4W	R651	1-259-167-21	CARBON	1K	5%	1/4W
R228	1-249-441-11	CARBON	100K	5%	1/4W	R652	1-259-209-81	CARBON	56K	1%	1/4W
R232	1-249-409-11	CARBON	220	5%	1/4W	R653	1-249-911-11	CARBON	330	1%	1/4W
R233	1-249-421-11	CARBON	2.2K	5%	1/4W	R654	1-249-413-11	CARBON	470	5%	1/4W
		(DA80ES/V88ES/VA80ES: E, MY, SP)			R664	1-259-209-81	CARBON	56K	1%	1/4W	
R234	1-249-421-11	CARBON	2.2K	5%	1/4W	R701	1-249-417-11	CARBON	1K	5%	1/4W
		(DA80ES/V88ES/VA80ES: E, MY, SP)			R702	1-259-209-81	CARBON	56K	1%	1/4W	
R235	1-249-417-11	CARBON	1K	5%	1/4W	R703	1-259-143-21	CARBON	100	1%	1/4W
R236	1-249-417-11	CARBON	1K	5%	1/4W	R704	1-249-432-11	CARBON	18K	5%	1/4W
R237	1-249-417-11	CARBON	1K	5%	1/4W	R714	1-259-209-81	CARBON	56K	1%	1/4W
R238	1-249-433-11	CARBON	22K	5%	1/4W	R751	1-249-417-11	CARBON	1K	5%	1/4W
R239	1-249-417-11	CARBON	1K	5%	1/4W	R752	1-259-209-81	CARBON	56K	1%	1/4W
R240	1-249-441-11	CARBON	100K	5%	1/4W	R753	1-259-143-21	CARBON	100	1%	1/4W
R241	1-249-429-11	CARBON	10K	5%	1/4W	R764	1-259-209-81	CARBON	56K	1%	1/4W
R242	1-249-429-11	CARBON	10K	5%	1/4W	△R975	1-215-907-11	METAL OXIDE	22	5%	3W F
R243	1-247-807-31	CARBON	100	5%	1/4W	△R976	1-215-907-11	METAL OXIDE	22	5%	3W F
R244	1-247-807-31	CARBON	100	5%	1/4W	△R987	1-215-907-11	METAL OXIDE	22	5%	3W F
R245	1-249-421-11	CARBON	2.2K	5%	1/4W						
		(DA80ES/V88ES/VA80ES: E, MY, SP)									
R246	1-249-421-11	CARBON	2.2K	5%	1/4W						
		(DA80ES/V88ES/VA80ES: E, MY, SP)									
R247	1-249-417-11	CARBON	1K	5%	1/4W	RY201	1-515-614-11	RELAY			
R249	1-249-421-11	CARBON	2.2K	5%	1/4W	RY202	1-515-614-11	RELAY			
		(DA80ES/V88ES/VA80ES: E, MY, SP)									
R251	1-249-409-11	CARBON	220	5%	1/4W	*	1-666-313-11	MOTOR TM BOARD			
R252	1-249-441-11	CARBON	100K	5%	1/4W						
R253	1-249-441-11	CARBON	100K	5%	1/4W						
R254	1-249-416-11	CARBON	820	5%	1/4W						
R255	1-247-897-11	CARBON	560K	5%	1/4W	C113	1-164-159-11	CERAMIC	0.1uF		50V
R256	1-249-437-11	CARBON	47K	5%	1/4W						
R257	1-249-441-11	CARBON	100K	5%	1/4W						
R258	1-247-807-31	CARBON	100	5%	1/4W	* CND104	1-568-951-11	PIN, CONNECTOR 2P			
R259	1-249-417-11	CARBON	1K	5%	1/4W						
		(V88ES/VA80ES)									
R260	1-249-417-11	CARBON	1K	5%	1/4W	*	1-666-302-11	PTA BOARD			
R261	1-249-417-11	CARBON	1K	5%	1/4W						
R262	1-249-417-11	CARBON	1K	5%	1/4W						
R263	1-249-417-11	CARBON	1K	5%	1/4W						
R264	1-249-417-11	CARBON	1K	5%	1/4W						
R266	1-249-441-11	CARBON	100K	5%	1/4W						
R270	1-249-429-11	CARBON	10K	5%	1/4W	C981	1-126-964-11	ELECT	10uF	20%	50V
R278	1-249-437-11	CARBON	47K	5%	1/4W	C982	1-126-964-11	ELECT	10uF	20%	50V
R279	1-249-441-11	CARBON	100K	5%	1/4W	C989	1-128-564-11	ELECT	220uF	20%	100V
R282	1-249-409-11	CARBON	220	5%	1/4W						
R283	1-249-417-11	CARBON	1K	5%	1/4W						
R284	1-249-417-11	CARBON	1K	5%	1/4W						
R285	1-249-417-11	CARBON	1K	5%	1/4W						
R286	1-249-417-11	CARBON	1K	5%	1/4W						
R287	1-249-417-11	CARBON	1K	5%	1/4W						
R288	1-249-417-11	CARBON	1K	5%	1/4W						
R289	1-249-417-11	CARBON	1K	5%	1/4W						
R293	1-249-418-11	CARBON	1.2K	5%	1/4W	D916	8-719-987-63	DIODE	1N4148M (DA80ES)		
R294	1-249-418-11	CARBON	1.2K	5%	1/4W	D918	8-719-024-99	DIODE	11ES2-NTA2B		
						D919	8-719-024-99	DIODE	11ES2-NTA2B		
						D921	8-719-002-76	DIODE	UZL-36H		

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

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

PTA

PTB

S VIDEO

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark				
		< FUSE >		C810	1-126-960-11	ELECT	1uF 20% 50V				
△F911	1-533-919-11	FUSE, TIME LAG (12A/250V)		C814	1-136-165-00	FILM	0.1uF 5% 50V				
△F912	1-533-919-11	FUSE, TIME LAG (12A/250V)		C817	1-164-159-11	CERAMIC	0.1uF 50V				
		< TRANSISTOR >		C821	1-164-095-11	CERAMIC	0.01uF 10% 16V				
Q971	8-729-140-96	TRANSISTOR 2SD774-34		C822	1-126-960-11	ELECT	1uF 20% 50V				
		< RESISTOR >		C823	1-136-165-00	FILM	0.1uF 5% 50V				
△R977	1-249-405-11	CARBON 100 5% 1/4W F		C825	1-164-095-11	CERAMIC	0.01uF 10% 16V				
△R978	1-247-727-11	CARBON 10 5% 1/2W F		C826	1-126-964-11	ELECT	10uF 20% 50V				
R979	1-249-426-11	CARBON 5.6K 5% 1/4W		C827	1-126-964-11	ELECT	10uF 20% 50V				
		< RELAY >		C828	1-126-964-11	ELECT	10uF 20% 50V				
RY902	1-515-894-11	RELAY (DA80ES: US, E, AUS, PX)		C829	1-126-960-11	ELECT	1uF 20% 50V				
RY903	1-755-235-11	RELAY (DA80ES: Canadian)		C833	1-126-960-11	ELECT	1uF 20% 50V				
RY904	1-755-235-11	RELAY (DA80ES: Canadian)		C834	1-136-165-00	FILM	0.1uF 5% 50V				

*	1-666-303-11	PTB BOARD *****		C845	1-136-165-00	FILM	0.1uF 5% 50V				
		1-533-293-11 HOLDER, FUSE		C846	1-126-967-11	ELECT	47uF 20% 16V				
		< CAPACITOR >		C878	1-126-960-11	ELECT	1uF 20% 50V				
C914	1-126-947-11	ELECT 47uF 20% 35V		< CONNECTOR >							
		< CONNECTOR >		* CND801	1-568-935-11	PIN, CONNECTOR 8P					
CNE932	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P		* CND803	1-568-951-11	PIN, CONNECTOR 2P (DA80ES: US, Canadian)					
CNE951	1-770-964-11	PIN, CONNECTOR (PCB) (V TYPE) 4P		CNE807	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P					
CNE953	1-770-963-11	PIN, CONNECTOR (PCB) (V TYPE) 3P		CNS805	1-695-093-11	SOCKET, CONNECTOR 9P					
		< DIODE >		< DIODE >							
D917	8-719-014-66	DIODE UZP-5.6B		D810	8-719-987-63	DIODE 1N4148M (DA80ES: US, Canadian)					
		< FUSE >		< IC >							
△F913	1-532-503-51	FUSE, TIME LAG (1.6A/250V) (DA80ES: E, AUS, PX/V88ES/VA80ES)		IC803	8-759-061-95	IC SN761200					
△F913	1-533-614-11	FUSE, GLASS CYLINDERICAL (1.6A/125V) (DA80ES: US, Canadian)		IC804	8-759-061-95	IC SN761200					
△F914	1-532-503-51	FUSE, TIME LAG (1.6A/250V) (DA80ES: E, AUS, PX/V88ES/VA80ES)		< JACK/CONNECTOR >							
△F914	1-533-614-11	FUSE, GLASS CYLINDERICAL (1.6A/125V) (DA80ES: US, Canadian)		J802	1-563-330-11	JACK (S-LINK) (DA80ES: US, Canadian)					
△F915	1-532-465-51	FUSE, TIME LAG (3.15A/250V) (DA80ES: E, AUS, PX/V88ES/VA80ES)		J804	1-779-800-11	TERMINAL, S (MONITOR S VIDEO OUT)					
△F915	1-533-690-11	FUSE, GLASS CYLINDERICAL (DIA.5) (3.15A/125V) (DA80ES: US, Canadian)		J805	1-779-801-11	CONNECTOR (ROUND TYPE) (DA80ES: TV/DBS S VIDEO IN, LD/DVD S VIDEO IN) (V88ES/VA80ES: TV S VIDEO IN, LD/DVD S VIDEO IN)					
		< COIL >		J806	1-779-801-11	CONNECTOR (ROUND TYPE) (VIDEO 2 S VIDEO IN/OUT)					
		< TRANSISTOR >		J807	1-779-801-11	CONNECTOR (ROUND TYPE) (VIDEO 1 S VIDEO IN/OUT)					
*	A-4398-773-A	S VIDEO BOARD, COMPLETE (DA80ES: US, Canadian)		L803	1-410-509-11	INDUCTOR 10uH					
*	A-4398-774-A	S VIDEO BOARD, COMPLETE (DA80ES: E, AUS, PX/V88ES/VA80ES)	*****	< TRANSISTOR >							
		< CAPACITOR >		Q804	8-729-119-76	TRANSISTOR 2SA1175-HFE					
C805	1-136-165-00	FILM 0.1uF 5% 50V		Q805	8-729-119-76	TRANSISTOR 2SA1175-HFE					
C809	1-164-095-11	CERAMIC 0.01uF 10% 16V		Q806	8-729-119-76	TRANSISTOR 2SA1175-HFE					
				Q807	8-729-620-05	TRANSISTOR 2SC2603-EF					
				Q808	8-729-620-05	TRANSISTOR 2SC2603-EF					
				Q809	8-729-620-05	TRANSISTOR 2SC2603-EF					
				Q810	8-729-119-76	TRANSISTOR 2SA1175-HFE					
				Q811	8-729-119-76	TRANSISTOR 2SA1175-HFE					
				Q812	8-729-119-76	TRANSISTOR 2SA1175-HFE					
				Q813	8-729-900-36	TRANSISTOR DTC124ES					
				Q820	8-729-620-05	TRANSISTOR 2SC2603-EF (DA80ES: US, Canadian)					

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SP TM	SP TM (A)	SP TM (B)	TUNER
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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C757	1-162-286-31	CERAMIC	220PF 10% 50V (V88ES/V80ES)	R249	1-249-417-11	CARBON	1K 5% 1/4W (VA80ES: AEP, UK, G, EE, CIS)
C759	1-136-153-00	FILM	0.01uF 5% 50V	R608	1-249-429-11	CARBON	10K 5% 1/4W
C771	1-136-157-00	FILM	0.022uF 5% 50V	△R609	1-219-153-11	FUSIBLE	10 5% 1/4W F (VA80ES: AEP, UK, G, EE, CIS)
< CONNECTOR >				△R616	1-219-153-11	FUSIBLE	10 5% 1/4W F (VA80ES: AEP, UK, G, EE, CIS)
CND621	1-779-977-11	PIN, CONNECTOR 6P		R617	1-249-417-11	CARBON	1K 5% 1/4W
CNE601	1-770-963-11	PIN, CONNECTOR (PCB) (V TYPE) 3P		△R624	1-219-153-11	FUSIBLE	10 5% 1/4W F
CNE602	1-779-978-11	PIN, CONNECTOR 3P (DA80ES)		△R625	1-249-389-11	CARBON	4.7 5% 1/4W F
CNS623	1-695-092-11	SOCKET, CONNECTOR 7P		R626	1-249-435-11	CARBON	33K 5% 1/4W
CNV615	1-778-145-11	PIN, CONNECTOR (PC BOARD) 6P		R630	1-249-425-11	CARBON	4.7K 5% 1/4W
CNV616	1-766-897-11	PIN, CONNECTOR (PC BOARD) 4P		R631	1-249-429-11	CARBON	10K 5% 1/4W
< DIODE >				△R632	1-249-393-11	CARBON	10 5% 1/4W F
D010	8-719-987-63	DIODE 1N4148M		△R659	1-219-153-11	FUSIBLE	10 5% 1/4W F (VA80ES: AEP, UK, G, EE, CIS)
D601	8-719-987-63	DIODE 1N4148M		△R666	1-219-153-11	FUSIBLE	10 5% 1/4W F (VA80ES: AEP, UK, G, EE, CIS)
D610	8-719-987-63	DIODE 1N4148M		△R674	1-219-153-11	FUSIBLE	10 5% 1/4W F (VA80ES: AEP, UK, G, EE, CIS)
D660	8-719-987-63	DIODE 1N4148M		△R675	1-249-389-11	CARBON	4.7 5% 1/4W F
D710	8-719-987-63	DIODE 1N4148M		R676	1-249-435-11	CARBON	33K 5% 1/4W
< COIL >				R680	1-249-425-11	CARBON	4.7K 5% 1/4W
L001	1-411-906-11	COIL, AIR-CORE		R681	1-249-429-11	CARBON	10K 5% 1/4W
L601	1-411-906-11	COIL, AIR-CORE		△R682	1-249-393-11	CARBON	10 5% 1/4W F
L651	1-411-906-11	COIL, AIR-CORE		△R709	1-219-153-11	FUSIBLE	10 5% 1/4W F
L701	1-411-906-11	COIL, AIR-CORE		△R724	1-219-153-11	FUSIBLE	10 5% 1/4W F
L751	1-411-906-11	COIL, AIR-CORE		△R725	1-249-389-11	CARBON	4.7 5% 1/4W F
< TRANSISTOR >				R726	1-249-435-11	CARBON	33K 5% 1/4W
Q008	8-729-119-79	TRANSISTOR 2SC2785-FEK		R730	1-249-425-11	CARBON	4.7K 5% 1/4W
Q603	8-729-119-79	TRANSISTOR 2SC2785-FEK		R731	1-249-429-11	CARBON	10K 5% 1/4W
Q608	8-729-119-79	TRANSISTOR 2SC2785-FEK		△R732	1-249-393-11	CARBON	10 5% 1/4W F
Q653	8-729-119-79	TRANSISTOR 2SC2785-FEK (DA80ES)		△R759	1-219-153-11	FUSIBLE	10 5% 1/4W F
Q658	8-729-119-79	TRANSISTOR 2SC2785-FEK		△R774	1-219-153-11	FUSIBLE	10 5% 1/4W F
Q708	8-729-119-79	TRANSISTOR 2SC2785-FEK		△R775	1-249-389-11	CARBON	4.7 5% 1/4W F
< RESISTOR >				R776	1-249-435-11	CARBON	33K 5% 1/4W
< RELAY >							
△R009	1-219-153-11	FUSIBLE	10 5% 1/4W F (VA80ES: AEP, UK, G, EE, CIS)	RY001	1-515-765-11	RELAY	
△R024	1-219-153-11	FUSIBLE	10 5% 1/4W F	RY601	1-515-765-11	RELAY	
△R025	1-249-389-11	CARBON	4.7 5% 1/4W F	RY602	1-515-614-11	RELAY	
R026	1-249-435-11	CARBON	33K 5% 1/4W	RY651	1-515-765-11	RELAY	
R030	1-249-425-11	CARBON	4.7K 5% 1/4W	RY701	1-515-765-11	RELAY	
R031	1-249-429-11	CARBON	10K 5% 1/4W	< SWITCH >			
△R032	1-249-393-11	CARBON	10 5% 1/4W F	S721	1-692-196-11	SWITCH, SLIDE (IMPEDANCE SELECTOR)	(DA80ES)
R050	1-249-425-11	CARBON	4.7K 5% 1/4W (DA80ES)	< TERMINAL >			
R051	1-249-429-11	CARBON	10K 5% 1/4W (DA80ES)	TM001	1-694-115-11	TERMINAL BOARD (6P)	
△R052	1-249-393-11	CARBON	10 5% 1/4W F (DA80ES)	TM601	1-694-113-11	TERMINAL BOARD (FRONT SPEAKERS)	
R233	1-249-417-11	CARBON	1K 5% 1/4W (VA80ES: AEP, UK, G, EE, CIS)	*****			
R234	1-249-417-11	CARBON	1K 5% 1/4W (VA80ES: AEP, UK, G, EE, CIS)	* 1-666-310-11		TUNER BOARD (DA80ES)	*****
R245	1-249-417-11	CARBON	1K 5% 1/4W (VA80ES: AEP, UK, G, EE, CIS)	*****			
R246	1-249-417-11	CARBON	1K 5% 1/4W (VA80ES: AEP, UK, G, EE, CIS)	< CONNECTOR >			
				CNS201	1-695-096-11	SOCKET, CONNECTOR 15P	
				CNS205	1-750-747-11	CONNECTOR, FFC/FPC 15P	

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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TUNER

VIDEO

VOL

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark				
< FRONTEND >											
FE201	1-233-666-11	ENCAPSULATED COMPONENT (US, Canadian)		Q818	8-729-119-76	TRANSISTOR	2SA1175-HFE				
FE201	1-693-351-11	ENCAPSULATED COMPONENT (E, AUS, PX)		Q819	8-729-119-76	TRANSISTOR	2SA1175-HFE				
< RESISTOR >											
R215	1-249-417-11	CARBON	1K	5%	1/4W	R807	1-249-409-11	CARBON	220	5%	1/4W
R217	1-249-417-11	CARBON	1K	5%	1/4W	R866	1-249-403-11	CARBON	68	5%	1/4W
R218	1-249-429-11	CARBON	10K	5%	1/4W	R868	1-249-403-11	CARBON	68	5%	1/4W
R219	1-249-417-11	CARBON	1K	5%	1/4W	R869	1-249-403-11	CARBON	68	5%	1/4W
R221	1-249-417-11	CARBON	1K	5%	1/4W	R870	1-249-426-11	CARBON	5.6K	5%	1/4W
R222	1-249-417-11	CARBON	1K	5%	1/4W	R871	1-249-426-11	CARBON	5.6K	5%	1/4W
R223	1-249-417-11	CARBON	1K	5%	1/4W	R872	1-249-426-11	CARBON	5.6K	5%	1/4W
R229	1-249-417-11	CARBON	1K	5%	1/4W	R873	1-249-403-11	CARBON	68	5%	1/4W
R230	1-249-429-11	CARBON	10K	5%	1/4W	R874	1-249-403-11	CARBON	68	5%	1/4W
R231	1-249-417-11	CARBON	1K	5%	1/4W	R875	1-249-403-11	CARBON	68	5%	1/4W
R250	1-249-393-11	CARBON	10	5%	1/4W	R876	1-249-419-11	CARBON	1.5K	5%	1/4W
R265	1-249-402-11	CARBON	56	5%	1/4W	R877	1-249-419-11	CARBON	1.5K	5%	1/4W
< TERMINAL >											
TM201	1-537-488-11	TERMINAL BOARD (ANTENNA) (AUS)		R878	1-249-419-11	CARBON	1.5K	5%	1/4W		
TM201	1-537-769-11	TERMINAL BOARD (ANTENNA) (US, Canadian, E, PX)		R879	1-249-403-11	CARBON	68	5%	1/4W		

*	A-4398-772-A	VIDEO BOARD, COMPLETE		R881	1-249-403-11	CARBON	68	5%	1/4W		

< CAPACITOR >											
C812	1-126-933-11	ELECT	100uF	20%	10V	*	1-666-309-11	VOL BOARD			
C838	1-164-159-11	CERAMIC	0.1uF			*****					
C853	1-126-960-11	ELECT	1uF	20%	50V	< CAPACITOR >					
C856	1-126-960-11	ELECT	1uF	20%	50V	C501	1-126-960-11	ELECT	1uF	20%	50V
C858	1-126-960-11	ELECT	1uF	20%	50V	C502	1-126-960-11	ELECT	1uF	20%	50V
C862	1-126-960-11	ELECT	1uF	20%	50V	< CONNECTOR >					
C864	1-126-964-11	ELECT	10uF	20%	50V	CNP107	1-770-389-11	PIN, CONNECTOR (PC BOARD)	5P		
C865	1-126-964-11	ELECT	10uF	20%	50V	CNP108	1-770-388-11	PIN, CONNECTOR (PC BOARD)	4P		
C866	1-126-964-11	ELECT	10uF	20%	50V	< EARTH TERMINAL >					
C867	1-126-960-11	ELECT	1uF	20%	50V	*	EB501	1-537-738-21	TERMINAL, EARTH		
< CONNECTOR >											
CNS806	1-695-093-11	SOCKET, CONNECTOR 9P		< VARIABLE RESISTOR >							
< IC >											
IC811	8-759-061-95	IC SN761200		RV501	1-225-478-11	RES, VAR, CARBON	100K/100KX5 (MASTER VOLUME)				
< JACK >											
J808	1-779-796-11	JACK, PIN 2P (VIDEO 2 VIDEO IN/OUT)		*****							
J809	1-779-796-11	JACK, PIN 2P (VIDEO 1 VIDEO IN/OUT)		MISCELLANEOUS							
J810	1-779-795-11	JACK, PIN 1P (MONITOR OUT)		*****							
J811	1-779-796-11	JACK, PIN 2P (TV/DBS VIDEO IN, LD/DVD VIDEO IN)		91	1-475-109-21	SWITCH (A) BLOCK, TOUCH					
< TRANSISTOR >				92	1-475-109-31	SWITCH (B) BLOCK, TOUCH					
Q814	8-729-620-05	TRANSISTOR	2SC2603-EF	93	1-775-084-11	WIRE (FLAT TYPE) (9 CORE)					
Q815	8-729-620-05	TRANSISTOR	2SC2603-EF	△158	1-559-479-11	CORD, POWER (DA80ES:US, Canadian)					
Q816	8-729-620-05	TRANSISTOR	2SC2603-EF	△158	1-690-608-11	CORD, POWER (DA80ES: AUS)					
Q817	8-729-119-76	TRANSISTOR	2SA1175-HFE	△158	1-776-095-11	CORD, POWER (DA80ES: E, PX/VA80ES)					
				△158	1-782-464-21	CORD, POWER (V88ES)					

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

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

STR-DA80ES/TA-V88ES/TA-VA80ES

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
△159	1-569-008-21	ADAPTOR, CONVERSION 2P (DA80ES:E ,PX)	
206	1-773-001-11	WIRE (FLAT TYPE) (15 CORE) (DA80ES)	
209	1-769-946-11	WIRE (FLAT TYPE) (11 CORE)	(V88ES/VA80ES)
△CNS901	1-251-416-11	OUTLET, A.C. (DA80ES: AUS)	
△CNS901	1-526-794-11	OUTLET, AC (V88ES/VA80ES: E, MY, SP)	
M101	A-4384-605-A	MOTOR ASSY (DOOR OPEN/CLOSE)	
△T901	1-431-388-11	TRANSFORMER, POWER (DA80ES: E, PX)	
△T901	1-431-389-11	TRANSFORMER, POWER (DA80ES: AUS)	
△T901	1-431-391-11	TRANSFORMER, POWER (DA80ES: US)	
△T901	1-431-392-11	TRANSFORMER, POWER (DA80ES: Canadian)	
△T901	1-431-393-11	TRANSFORMER, POWER (V88ES/VA80ES)	

***** HARDWARE LIST *****

#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3
#2	7-685-663-79	SCREW +BVTP 4X16 TYPE2 N-S
#3	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT
#4	7-682-645-01	SCREW +PS 3X4
#5	7-685-881-09	SCREW +BVTT 4X8 (S)
#6	7-685-645-79	SCREW +BVTP 3X6 TYPE2 IT-3
#7	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3 (DA80ES)

ACCESSORIES & PACKING MATERIALS

1-475-134-11	REMOTE COMMANDER (RM-P501)
1-501-374-11	ANTENNA, LOOP (DA80ES)
1-501-594-11	ANTENNA (FM) (DA80ES: AUS)
3-810-765-11	MANUAL,COMMONNESS INSTRUCTION (DA80ES: US, Canadian)
3-860-902-11	MANUAL, INSTRUCTION (ENGLISH) (DA80ES: US, Canadian, E, PX, AUS)
3-860-902-21	MANUAL, INSTRUCTION (FRENCH) (DA80ES: Canadian, E, PX)
3-860-902-31	MANUAL, INSTRUCTION (SPANISH) (DA80ES: E, PX)
3-860-972-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, DUTCH, SWEDISH) (VA80ES: AEP, UK, G, EE, CIS)
3-860-972-21	MANUAL, INSTRUCTION (GERMAN, SPANISH, ITALIAN, PORTUGUESE) (VA80ES:AEP, UK, G, EE, CIS)
3-860-972-41	MANUAL, INSTRUCTION (ENGLISH, CHINESE) (VA80ES: E, MY, SP)
3-860-972-51	MANUAL, INSTRUCTION (ENGLISH, CHINESE) (V88ES)
4-983-536-01	COVER, BATTERY (for RM-P501)

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