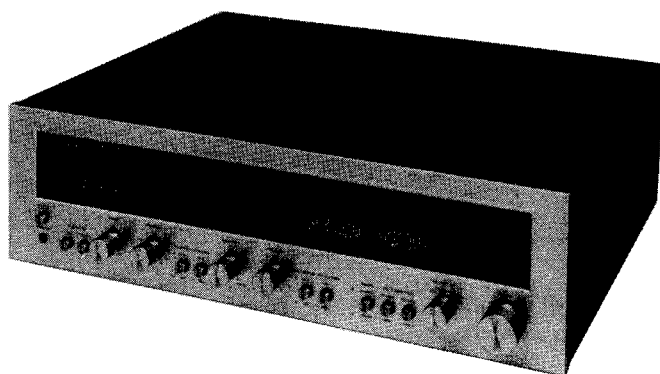


Service Manual



FM/AM STEREO RECEIVER

SA-5460

(X), (XG), (XGH),
(XSD), (XSW), (XE)

TECHNICAL SPECIFICATIONS (IHF) Specifications are subject to change without notice for further improvement.

AMPLIFIER SECTION

1kHz continuous power:	both channels driven	78W + 78W (4Ω) 68W + 68W (8Ω)
20Hz ~ 20kHz continuous power:	both channels driven	72W + 72W (4Ω) 65W + 65W (8Ω)
Power bandwidth:	both channels driven at 8Ω	10Hz ~ 40kHz, -3dB
Total harmonic distortion:	0.1% at rated power (20Hz ~ 20kHz)	0.05% at half power (1kHz)
Intermodulation distortion:		0.5%
Damping factor:		55 (8Ω), 27.5 (4Ω)
Input sensitivity and impedance:	PHONO	2.5mV/47kΩ
	AUX, TAPE 2 PLAYBACK	150mV/35kΩ
	TAPE 1 PLAYBACK, REC/PLAY input	180mV/40kΩ
PHONO maximum input voltage:	(1kHz, RMS)	150mV
S/N (IHF, A):	PHONO	78 dB
	AUX	95dB
Frequency response:	PHONO	RIAA Standard curve ±0.2dB
	AUX	20Hz ~ 20kHz, ±0.5dB
Tone controls:	BASS	50Hz, +13dB ~ -13dB
	TREBLE	10kHz +12dB ~ -12dB
Loudness control (volume at -30dB):		50Hz, +9dB
Output voltage:	TAPE 1 REC OUT	180mV
	TAPE 2 REC OUT	150mV
	TAPE 1 REC/PLAY output	30mV
High filter:		7kHz, -6dB/oct.
Low filter:		100Hz, -6dB/oct.

FM TUNER SECTION

Frequency range:		88 ~ 108MHz
Antenna terminals:	300Ω (balanced)	75Ω (unbalanced)
Sensitivity:		1.8μV
Total harmonic distortion:	MONO	0.15%
	STEREO	0.25%
S/N:	MONO	75dB
	STEREO	72dB
Frequency response:		20Hz ~ 15kHz, +0.2dB ~ -0.8dB
Alternate channel selectivity:		70dB
Capture ratio:		1.5dB
Image rejection at 98MHz:		53dB
IF rejection at 98MHz:		80dB
AM suppression:		55dB
Stereo separation:	1kHz	45dB
	10kHz	35dB
Leak carrier:	-65dB (19kHz)	-75dB (38kHz)

AM TUNER SECTION

Frequency range:		525 ~ 1605kHz
Sensitivity:		30μV, 260μV/m
Selectivity:		22dB
Image rejection at 1000kHz:		47dB
IF rejection at 1000kHz:		40dB

GENERAL

Power consumption:		500W
Power supply:		110V/120V/220V/240V
		220V/240V (Set for England (XE))
Dimensions (W x H x D):	500 x 150 x 420mm (19-11/16" x 5-29/32" x 16-1/32")	
Weight:		14kg (30.9lb.)

TECHNISCHE DATEN (DIN 45 500) Spezifikationen können infolge von Verbesserungen ohne Ankündigung geändert werden.

VERSTÄRKERTEIL

RMS-Dauerleistung bei 1kHz:		2 x 78W (4Ω) 2 x 68W (8Ω)
beide Kanäle zusammen angesteuert		
RMS-Dauerleistung bei 20Hz ~ 20kHz:		2 x 72W (4Ω) 2 x 65W (8Ω)
beide Kanäle zusammen angesteuert		
Leistungsbandbreite (beide Kanäle zusammen angesteuert bei 4Ω):		10Hz ~ 40kHz, -3dB
Harmonische Verzerrungen:		
Nennleistung bei 40Hz ~ 16,000Hz, 4Ω		0.1%
Intermodulationsverzerrung:		
Nennleistung bei 250Hz: 8000Hz = 4 : 1 4Ω		0.5%
Dämpfungsfaktor:		55 (8Ω), 27.5 (4Ω)
Eingangsempfindlichkeit & Impedanz:	PHONO	2.5mV/47kΩ
	AUX, TAPE 2 PLAYBACK	150mV/35kΩ
	TAPE 1 PLAYBACK, REC/PLAY Wiedergabe	180mV/40kΩ
PHONO Maximale Eingangsspannungen: (1kHz RMS)		150mV
Fremdspannungsabstand:	Nennleistung PHONO	65dB
	AUX	80dB
	50mW Ausgangsleistung PHONO	50dB
	AUX	50dB
Frequenzgang:		20Hz ~ 20kHz, ±0.5dB
Klangregler:	BÄSSE	50Hz, +13dB ~ -13dB
	HÖHEN	10kHz, +12dB ~ -12dB
Gehörgerechte Lautstärkekorrektur (Lautstärke -30dB):		50Hz, +9dB
Ausgangsspannungen:	TAPE 1 REC OUT	180mV
	TAPE 1 REC/PLAY Aufnahme	30mV
	TAPE 2 REC OUT	150mV
Hochtonfilter:		7kHz, -6dB/oct.
Tiefenfilter:		100Hz, -6dB/oct.

UKW-TUNERTEIL

Empfangsbereich:		88 ~ 108MHz
Antennenanschluss:	300Ω (symmetrisch)	75Ω (asymmetrisch)
Empfindlichkeit:		1.8μV, 30dB Fremdspannungsabstand 300Ω
		1.5μV, 20dB Fremdspannungsabstand 300Ω
		1.3μV, 30dB Fremdspannungsabstand 75Ω
		0.9μV, 20dB Fremdspannungsabstand 75Ω
Harmonische Verzerrung:	MONO	0.15%
	STEREO	0.25%
Fremdspannungsabstand	MONO	56dB
	STEREO	54dB
Frequenzgang:		20Hz ~ 15kHz, +0.2dB, -0.8dB
Selektivität:		70dB
Gleichwellen-Selektion:		1.5dB
Spiegel Selektion bei 98MHz:		53dB
ZF-Festigkeit bei 98MHz:		80dB
AM-Unterdrückung:		55dB
Stereo Übersprechdämpfung:		45dB bei 1kHz, 35dB bei 10kHz
Trägerrest (19kHz, 30kHz):		-65dB bei 19kHz, -75dB bei 38kHz
Begrenzung, Einsatzzpunkt:		1.0μV
Bandbreite:	ZF-Verstärker	250kHz
	UKW-Demodulator	1000kHz

AM-TUNERTEIL

Empfangsbereich:		525 ~ 1605kHz
Empfindlichkeit:		30μV, 260μV/m
Selektivität:		22dB
Spiegel Selektion bei 1000kHz:		47dB
ZF-Festigkeit bei 1000kHz:		40dB

ALLGEMEINE DATEN

Leistungsaufnahme:		500W
Netzspannung umschaltbar:		110V/120V/220V/240V
Abmessungen (B x H x T):		500 x 150 x 420mm
Gewicht:		14kg

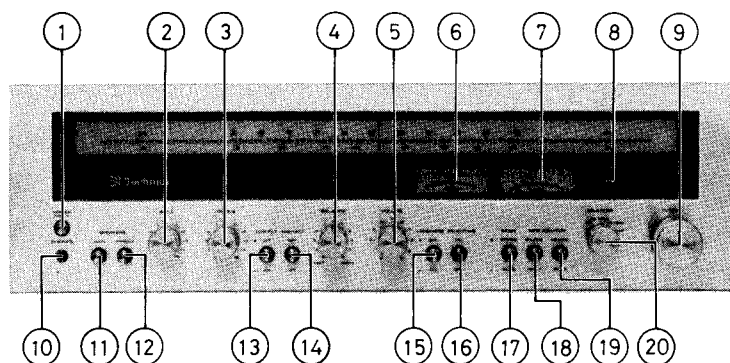


Technics

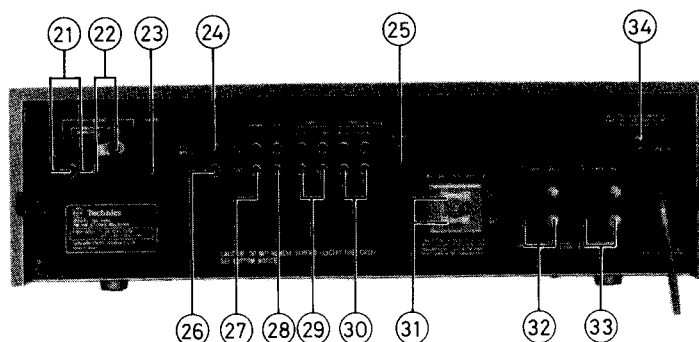
Matsushita Electric Trading Co., Ltd.

P.O. Box 288, Central Osaka Japan

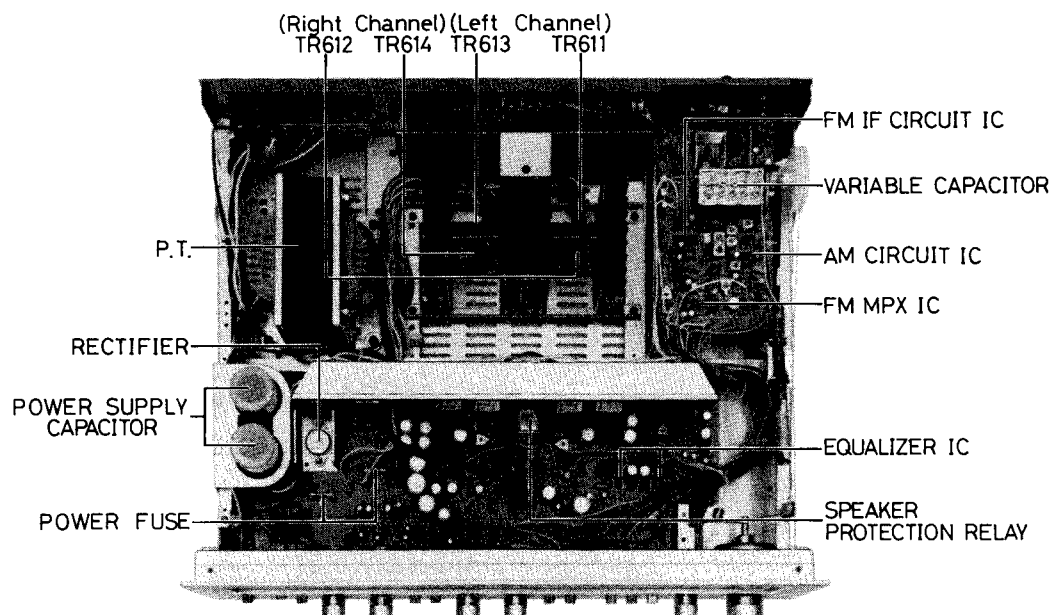
■ LOCATION OF CONTROLS



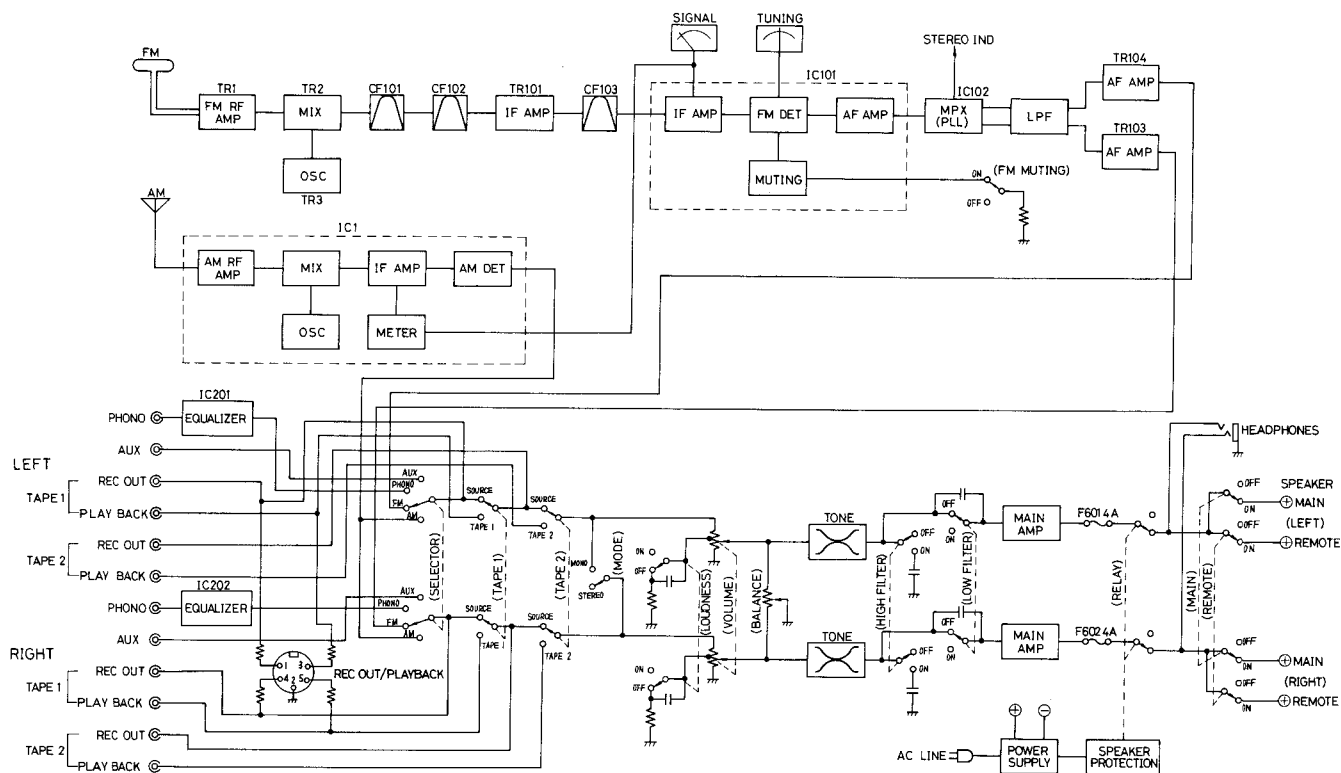
- | | | |
|----------------------|-------------------------|--------------------------------|
| ① POWER SWITCH | ⑧ FM STEREO INDICATOR | ⑮ LOUDNESS SWITCH |
| ② BASS CONTROL | ⑨ TUNING CONTROL | ⑯ FM MUTING SWITCH |
| ③ TREBLE CONTROL | ⑩ HEADPHONES JACK | ⑰ MODE SWITCH |
| ④ BALANCE CONTROL | ⑪ MAIN SPEAKER SWITCH | ⑱ TAPE MONITOR (TAPE 1) SWITCH |
| ⑤ VOLUME CONTROL | ⑫ REMOTE SPEAKER SWITCH | ⑲ TAPE MONITOR (TAPE 2) SWITCH |
| ⑥ FM TUNING METER | ⑬ LOW FILTER SWITCH | ⑳ SELECTOR SWITCH |
| ⑦ FM/AM SIGNAL METER | ⑭ HIGH FILTER SWITCH | |



- | | | |
|-------------------------------|-------------------------------------|-------------------------------------|
| ⑳ FM ANTENNA TERMINALS (300Ω) | ②⑥ GROUND TERMINAL | ③① SPEAKER CIRCUIT PROTECTION FUSES |
| ㉑ FM ANTENNA TERMINALS (75Ω) | ②⑦ PHONO INPUT TERMINALS | ③② MAIN SPEAKER TERMINALS |
| ②③ AM ANTENNA TERMINAL | ②⑧ AUX INPUT TERMINALS | ③③ REMOTE SPEAKER TERMINALS |
| ②④ 4CH MPX OUTPUT TERMINAL | ②⑨ TAPE DECK 2 CONNECTION TERMINALS | ③④ VOLTAGE ADJUSTER |
| ②⑤ REC/PLAY (TAPE 1) SOCKET | ③⑦ TAPE DECK 1 CONNECTION TERMINALS | |

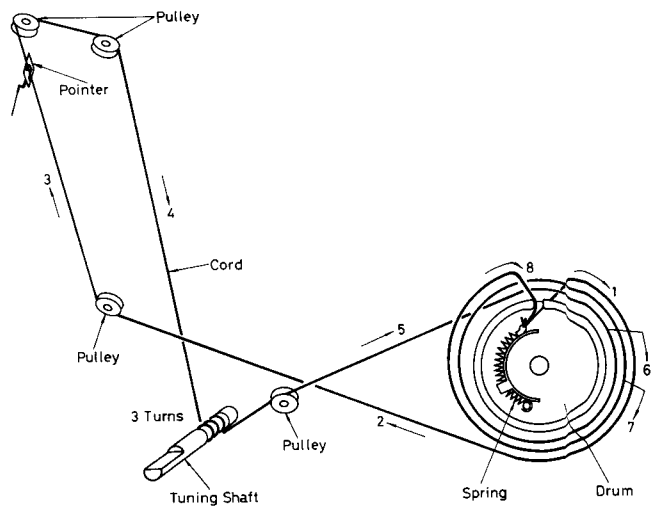


■ BLOCK DIAGRAM



■ DIAL CORD INSTALLATION GUIDE

1. Dial cord length is 91¼" (230cm).
2. Tuning gang is positioned at maximum capacity. (Frequency is minimum)
3. Arrow marks (1 ~ 8) indicated correct order and direction of stringing dial cord.



■ TO REMOVE CABINET

1. Loosen two (2) metal clamp-mounting screws, nos. ① and ② as shown in fig. 1.
2. Remove four (4) cabinet-mounting screws, nos. ③ ~ ⑥ as shown in fig. 2.
3. Remove cabinet from chassis in arrow direction 1 to 2, as shown in fig. 2.
4. To reassemble, reverse above procedure.



Fig. 1

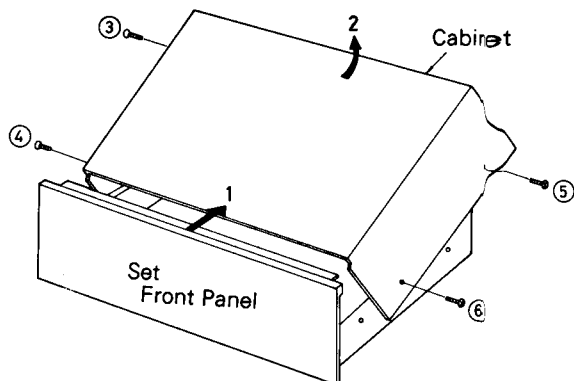
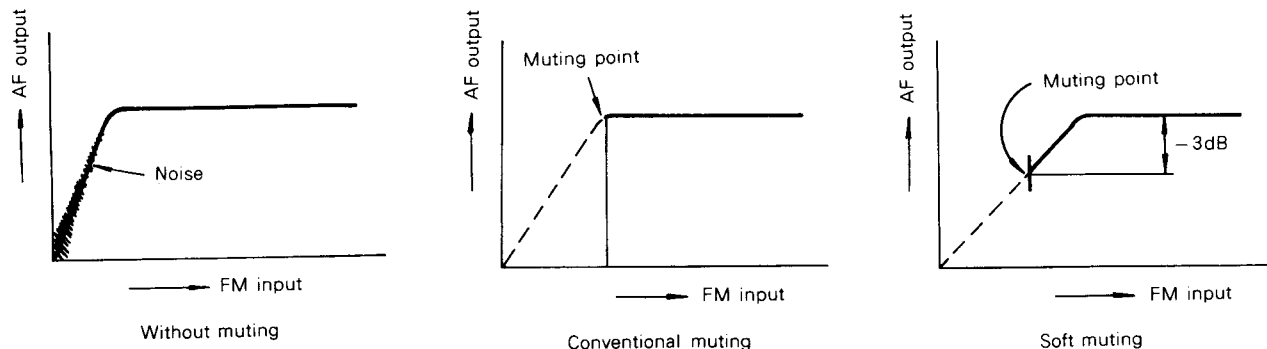


Fig. 2

SERVICE AID

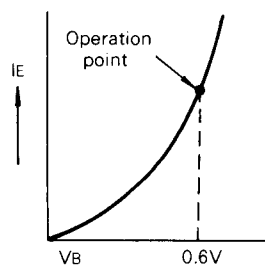
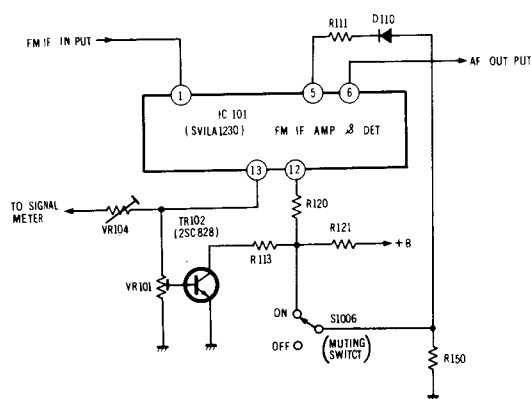
FM soft muting

When moving the tuning point away from the point of maximum output (optimum tuning) the signal output gradually decreases until it reaches zero output. (between stations.) In conventional muting circuits a sharp "popping" noise is heard when tuning, due to the sudden (switch-like) action of the muting circuit from zero signal to full output. This "Soft muting" circuit lets the sound fade more gradually, making it more natural and pleasant to listen to.



Circuitry principles

This circuit makes use of the VBE characteristics of TR102 (2SC828). (Refer to fig. 1.) The detected voltage from the FM IF input signal is applied to the base of TR102. When the FM input signal increases this voltage increases, causing the emitter current, to increase, which, in turn, decreases the collector voltage of TR102, making the collector voltage approach ground potential. Because the collector of TR102 is connected to the IC101 IF amplifier through the muting switch, a change in the collector voltage will control the output of the IC101 IF amplifier. When the FM input signal increases to the point that the base voltage of TR102 reaches its operating point (about 0.6V), the output of IC101 reaches maximum.



VBE curve of TR102

Fig. 1.

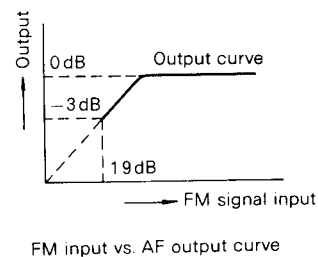


Fig. 2

FM RF ALIGNMENT INSTRUCTIONS Only Set for Germany

ABGLEICHANWEISUNGEN.....VOR DEM ABGLEICH SORGFALTIG DURCHLESEN					
MESSENDER		SKALENZEIGER- EINSTELLUNG DES EMPFÄNGERS [ABSTAND]	ANGEIGE (RÖHRENVOLTMETER ODER OSZILLOGRAPH)	ABGLEICH	BEMERKUNGEN
SCHALTUNG	FREQUENZ				
FM HF-ABGLEICH					
Anschluß an den FM Antennenanschluß über die künstliche FM Antenne (Vgl. Abb. 1)	87.5MHz (100% Mod bei 400Hz)	87.5MHz [0mm]	Output meter über Lautsprecher- schwingspule anschließen.	L5 (Oszillatorspele)	Auf max. Ausgang abgleichen
"	90MHz (")	90MHz (17.2mm)	"	L3 (Zwischenkreis) L2 (Antennenspele)	"
"	106MHz (")	106MHz (174.1mm)	"	CT3 (OSZ. Trimmer) CT2 (DET. Trimmer) CT1 (ANT. Trimmer)	"

ALIGNMENT INSTRUCTIONS

MAIN AMP (IcQ) ALIGNMENT

Notes:

- The "IcQ" adjustment should be started about 5 minutes after setting the power switch to the ON position.
- Speakers switch to OFF position.

- 1 Connect DC VTVM between TP602 and TP603 (Left channel), TP604 and TP605 (Right channel)
- 2 Adjust VR601 (Left channel) and VR602 (Right channel) to 12mV on DC VTVM indication.

Notes:

- Muting switch OFF
- Band selector switch.....AM/FM AUTO (FM, RF, FM-IF)
- 300Ω FM dummy antenna.....Refer to fig. 3.
- Speaker switch.....ON
- Mode switch..... MONO
- Maintain line voltage at rated voltage.
- Output of signal generator should be no higher than necessary to obtain an output reading.

SIGNAL GENERATOR or SWEEP GENERATOR		DIAL SETTING [DISTANCE]	INDICATOR (VTVM or SCOPE) (DISTORTION METER)	ADJUSTMENT POINTS	REMARKS	
CONNECTION		FREQUENCY				
AM ALIGNMENT						
2	High side through 0.001μF to AM antenna trimmer terminal. Common to chassis.	455kHz (Set for England to 470KHz)	Point of non-interference	Connect vertical amplifier of scope to TP1 through 0.1μF.	T ₁ (1st IFT) (P) T ₂ (2nd IFT) (S) T ₃ (IF Trap)	Adjust for maximum output.
3	Fashion loop of several turns of wire and radiate signal into loop of tuner.	600kHz (30% Mod. with 400Hz)	600kHz [1½" (31.5mm)]	Connect VTVM or scope to speaker terminal of receiver.	L ₆ (OSC Coil) L ₈ (ANT Coil)	Adjust for maximum output, Adjust L ₈ by moving coil bobbin along ferrite core.
4	Fashion loop of several turns of wire and radiate signal into loop of tuner.	1500kHz (30% Mod. with 400Hz)	1500kHz [7½" (180.1mm)]	Connect VTVM or scope to speaker terminal of receiver.	CT ₅ (OSC Trimmer) CT ₄ (ANT Trimmer)	Adjust for maximum output. Repeat steps (3) and (4).
FM-IF ALIGNMENT						
5		No Signal	Point of non-interference.	Tuning meter of set.	T ₁₀₁ (DISCRI IFT)(A) Orange Core	Adjust for center position of tuning meter.
FM-RF ALIGNMENT						
6	Connect to FM antenna terminal through FM dummy antenna.	90MHz (100% Mod. with 400Hz)	90MHz [¾" (19.2mm)]	Connect VTVM or scope to speaker terminal of receiver.	L ₅ (OSC Coil) L ₃ (DET Coil) L ₂ (ANT Coil)	Adjust for maximum output.
7	Connect to FM antenna terminal through FM dummy antenna.	106MHz (100% Mod. with 400Hz)	106MHz [6¾" (176.2mm)]	Connect VTVM or scope to speaker terminal of receiver.	CT ₃ (OSC Trimmer) CT ₂ (DET Trimmer) CT ₁ (ANT Trimmer)	Adjust for maximum output. Repeat steps (6) and (7).
FM MONO DISTORTION ALIGNMENT						
8	Connect to FM antenna terminal through FM dummy antenna.	100MHz (100% Mod. with 400Hz)	100MHz	Connect distortion meter to speaker terminal of receiver.	T ₁₀₁ (DISCRI IFT)(B) Green Core	Adjust for minimum distortion meter indication.
FM SIGNAL METER ALIGNMENT						
9	① Apply 100MHz FM signal of 100 dB, 400Hz 30% modulation to FM antenna terminal through FM dummy antenna. ③ Adjust VR104 for about 4.7 point of signal meter indication. ② Tuning 100MHz for maximum output by speaker terminal.					
SOFT MUTING LEVEL ALIGNMENT Refer to SERVICE AID on page 4.						
10	① Muting switch to "off". ④ Muting switch to "on". ② Apply a 60 dB (1mV) mono RF FM signal to the antenna terminals. ⑤ Reduce FM signal to 19 dB (9μV). ③ Adjust Volume Control of receiver to indicate 0 dB on meter across speaker terminals. ⑥ Adjust VR101 to -3 dB on output meter. Refer to fig. 6.					
FM MPX PILOT ALIGNMENT						
Using a frequency counter			Using alternate system			
11	① 98MHz Non-modulated mono signal applied to set. ② Muting switch to "on". ③ Connect frequency counter to TP101 through resistor (100kΩ). ④ Adjust VR102 to 19kHz ±30Hz.			① Apply stereo signal from generator or stereo station to receiver. ② Adjust VR102 until stereo indicator lights up. Cement arm of VR102 as shown in fig. 4.		

STEREO SEPARATION ALIGNMENT

- Note:**
- Stereo modulator Connect stereo modulator output to EXT. MOD. terminal of signal generator.
Internal OSC..... 1kHz Pilot signal modulation..... 10%
 - Signal generator Frequency approximately 98MHz. Output level 72 dB (IHF). Modulation mode to FM.
 - Band selector switch FM AUTO
 - Mode switch..... STEREO

SIGNAL GENERATOR CONNECTION	STEREO MODULATOR MODE and MOD. RATE	INDICATOR (VTVM or SCOPE)	ADJUSTMENT POINTS	REMARKS
12 FM antenna terminal through dummy antenna.	L (and R) 30% Modulation.	Connect VTVM or scope to speaker terminals through low pass filter. Refer to fig. 5.	VR103	Adjust for minimum right (and left) output.

• Alignment Points (FM/AM RF & IF Circuit)

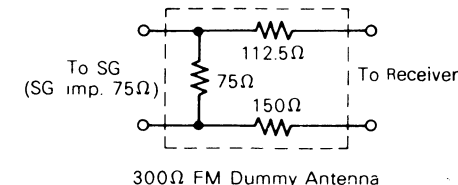
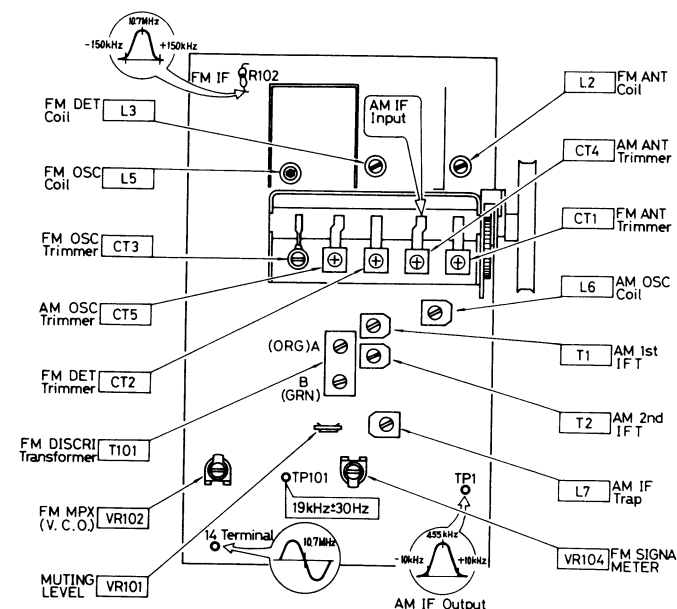


Fig. 3

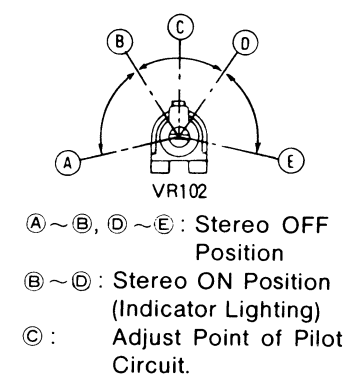


Fig. 4

• Alignment Points (AF Amplifier Circuit)

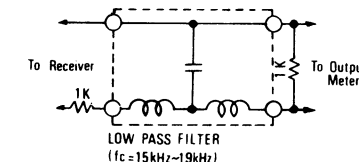
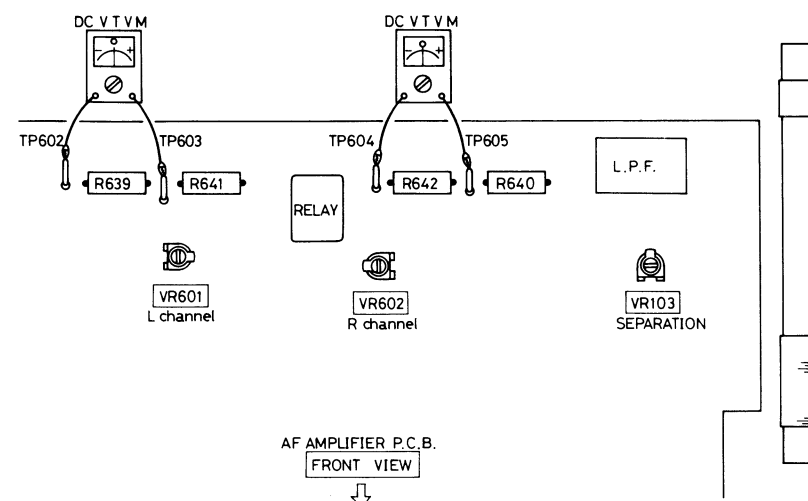


Fig. 5

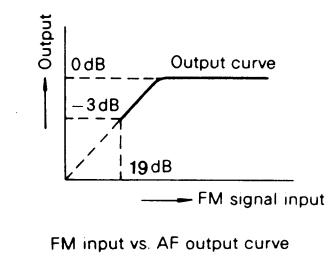
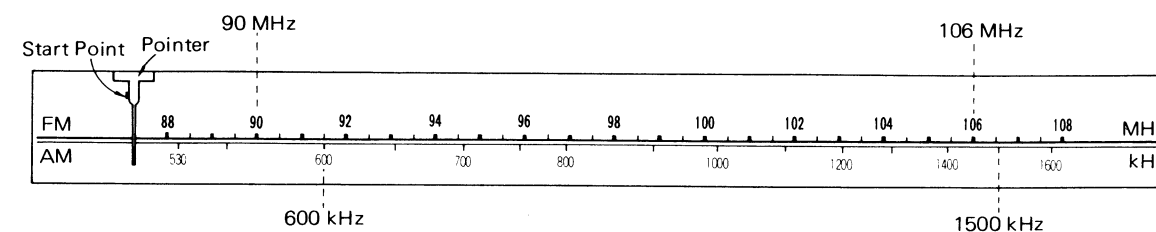


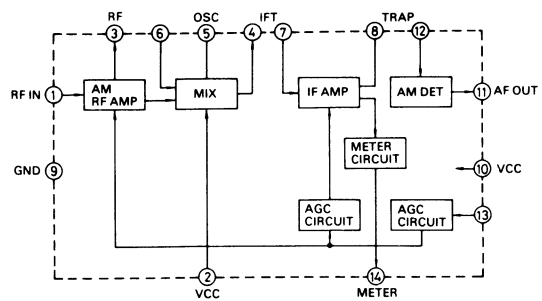
Fig. 6

• Dial Scale and Start Point of Dial Pointer

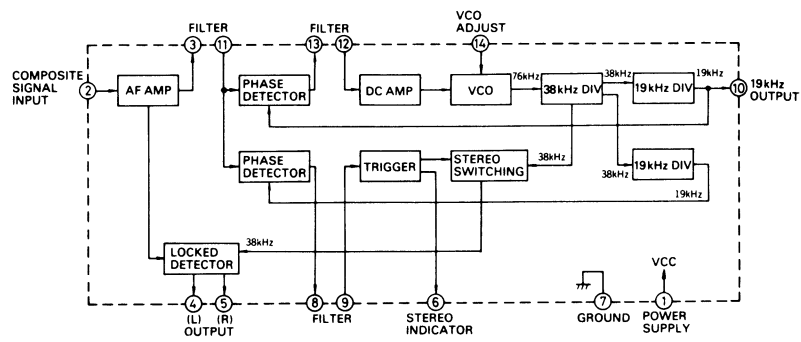


■ BLOCK DIAGRAM OF INTEGRATED CIRCUIT

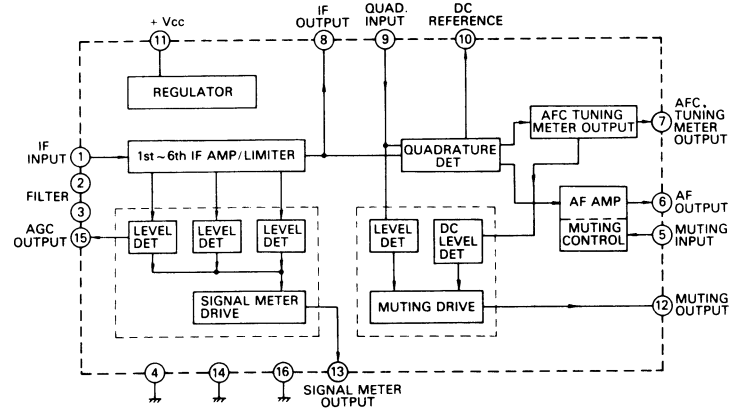
- **IC1 (SVIHA1151)**
AM RF, OSC, MIX, IF AMP &
AM DETECTOR CIRCUIT



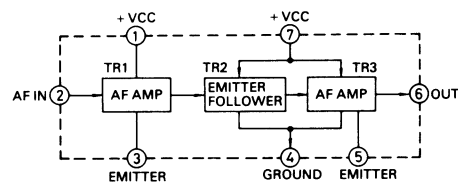
- IC102 (SVIHA1156)
FM MULTIPLEX CIRCUIT



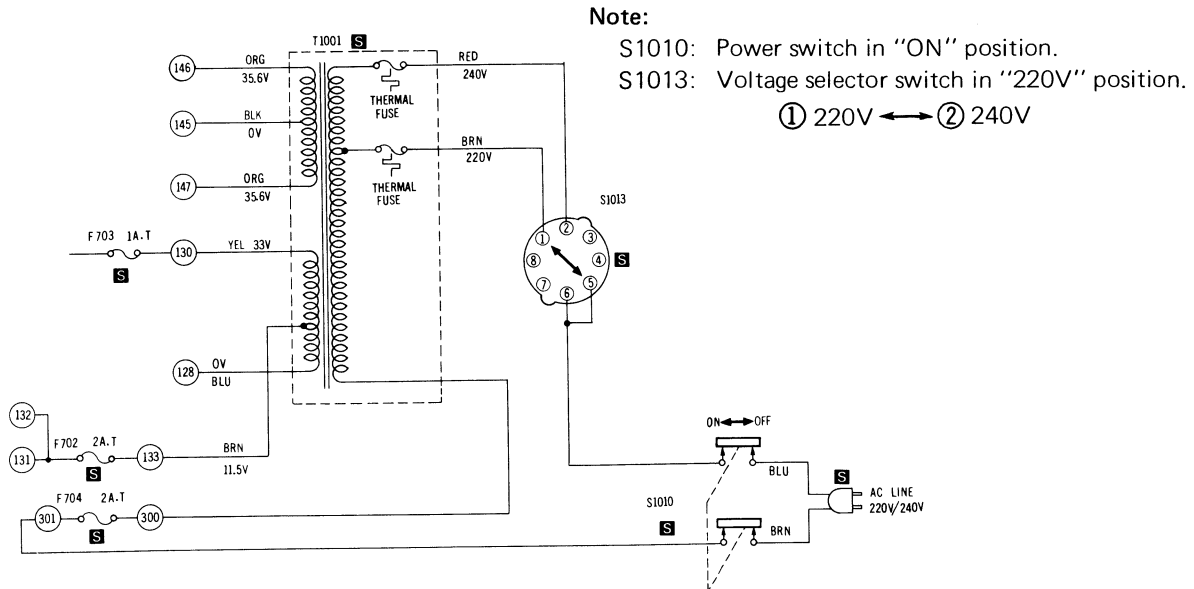
- **IC101 (SVILA1230)**
FM IF AMP, FM DETECTOR & MUTING CIRCUIT



- IC201, 202 (SVITA7129P)
EQUALIZER AMPLIFIER

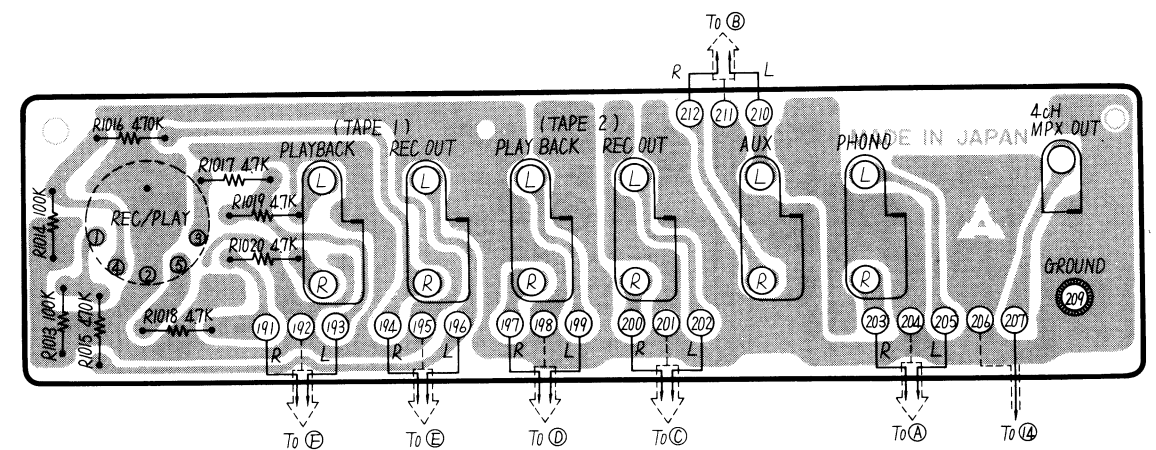


■ **CIRCUIT OF POWER SUPPLY Only Set for England (XE)**



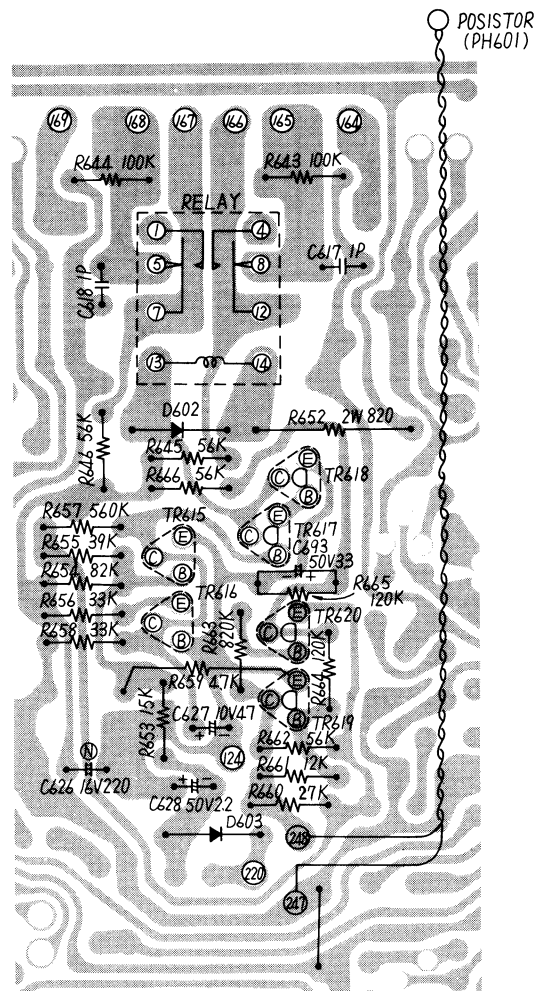
Note: **S** indicates that only parts specified by the manufacture be used for replacement in critical circuits.

■ INPUT & TAPE DECK CONNECTION TERMINAL CIRCUIT BOARD

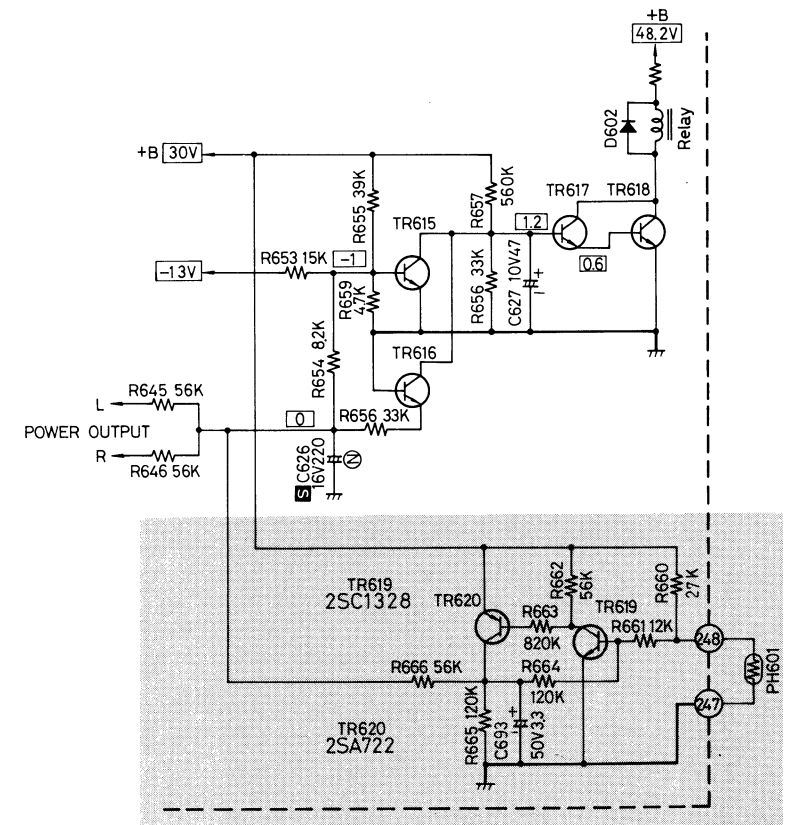


■ **SPEAKER PROTECTION CIRCUIT** Only Set for England (XE)

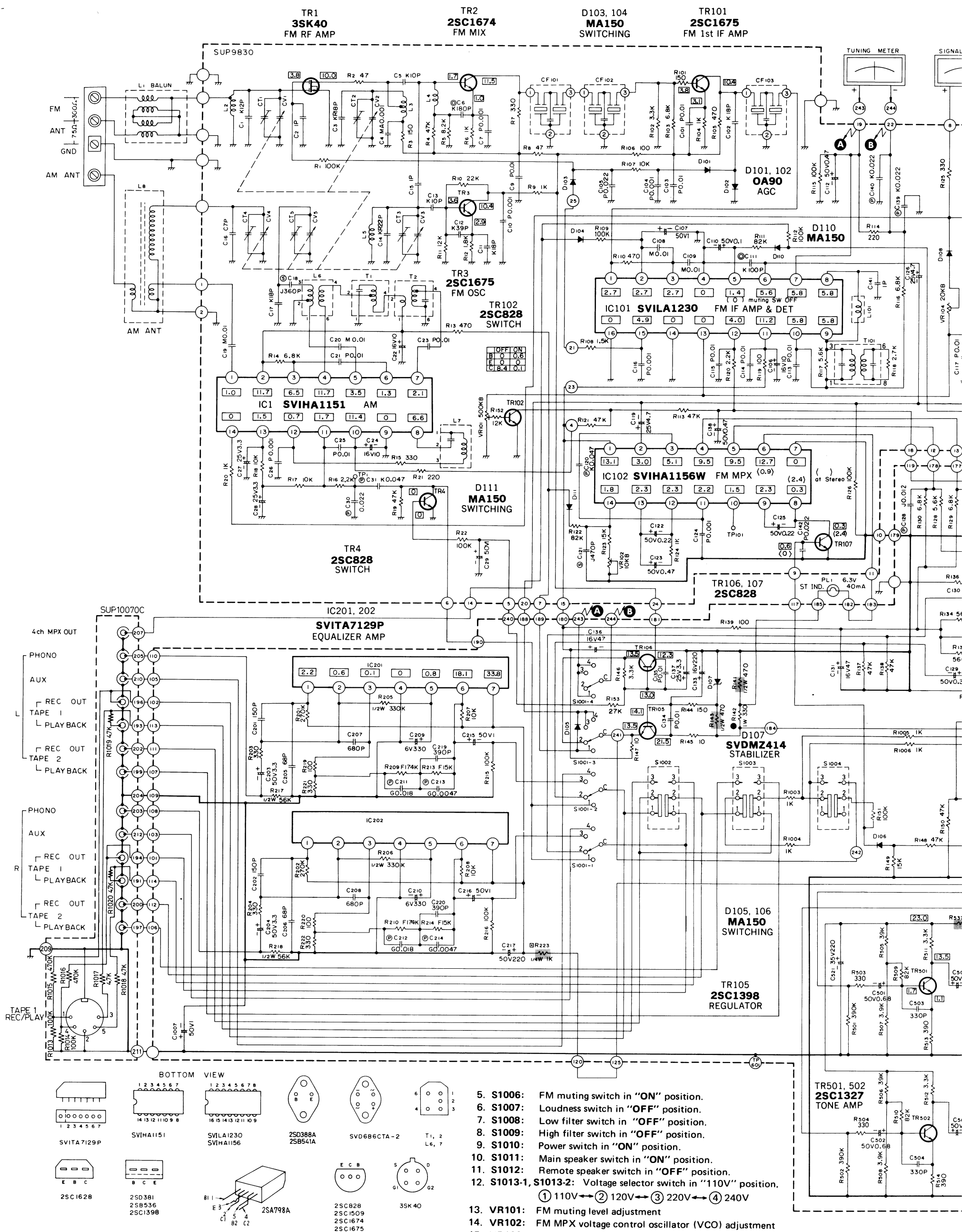
- **Printed Circuit Board**



- **Schematic Diagram**



Addition Thermal Protection Circuit



Notes:

1. **S1001-1~S1001-4:** Selector switch in "FM AUTO" position.
 ① AM ↔ ② FM AUTO ↔ ③ PHONO ↔ ④ AUX
2. **S1001:** Tape monitor (TAPE 1) switch in "SOURCE" position.
3. **S1003:** Tape monitor (TAPE 2) switch in "SOURCE" position.
4. **S1004:** Mode switch in "STEREO" position.
16. **VR104:** FM signal meter adjustment
17. **VR501:** Bass control
18. **VR502:** Treble control
19. **VR601, 602:** Power transistor ICQ adjustment
20. **VR1001:** Volume control
21. **VR1002:** Balance control

5. **S1006:** FM muting switch in **"ON"** position.
6. **S1007:** Loudness switch in **"OFF"** position.
7. **S1008:** Low filter switch in **"OFF"** position.
8. **S1009:** High filter switch in **"OFF"** position.
9. **S1010:** Power switch in **"ON"** position.
10. **S1011:** Main speaker switch in **"ON"** position.
11. **S1012:** Remote speaker switch in **"OFF"** position.
12. **S1013-1, S1013-2:** Voltage selector switch in **"110V"** position.
① 110V ↔ ② 120V ↔ ③ 220V ↔ ④ 240V

13. **VR101:** FM muting level adjustment
14. **VR102:** FM MPX voltage control oscillator (VCO) adjustment
15. **VR103:** FM separation adjustment
16. **VR104:** FM signal meter adjustment
17. **VR501:** Bass control
18. **VR502:** Treble control
19. **VR601, 602:** Power transistor ICQ adjustment
20. **VR1001:** Volume control
21. **VR1002:** Balance control

22. DC voltage measur

.....
 < >
 ()

modified at any time with the development of new technology)

TR611, 612
2SD388A
POWER

TR605, 606
2SC828
THERMO
COMPENSATOR

TR613, 614
2SB541A
POWER

22. DC voltage measurements are taken with DC voltmeter from chassis ground.

..... FM/AM non signal condition
< > FM stereo signal reception
() FM muting to "ON" position

IMPORTANT SAFETY NOTICE

THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR SAFETY.

WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC.

modified at any time with the development of new technology)

TR611, 612
2SD388A
POWER

TR605, 606
2SC828
THERMO
COMPENSATOR

TR613, 614
2SB541A
POWER

22. DC voltage measurements are taken with DC voltmeter from chassis ground.

THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR SAFETY. WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC.

modified at any time with the development of new technology)

TR611, 612
2SD388A
POWER

TR605, 606
2SC828
THERMO
COMPENSATOR

TR613, 614
2SB541A
POWER

22. DC voltage measurements are taken with DC voltmeter from chassis ground.

..... FM/AM non signal condition
< > FM stereo signal reception
() FM muting to "ON" position

IMPORTANT SAFETY NOTICE

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2SD388A
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TR613, 614
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modified at any time with the development of new technology)

TR611, 612
2SD388A
POWER

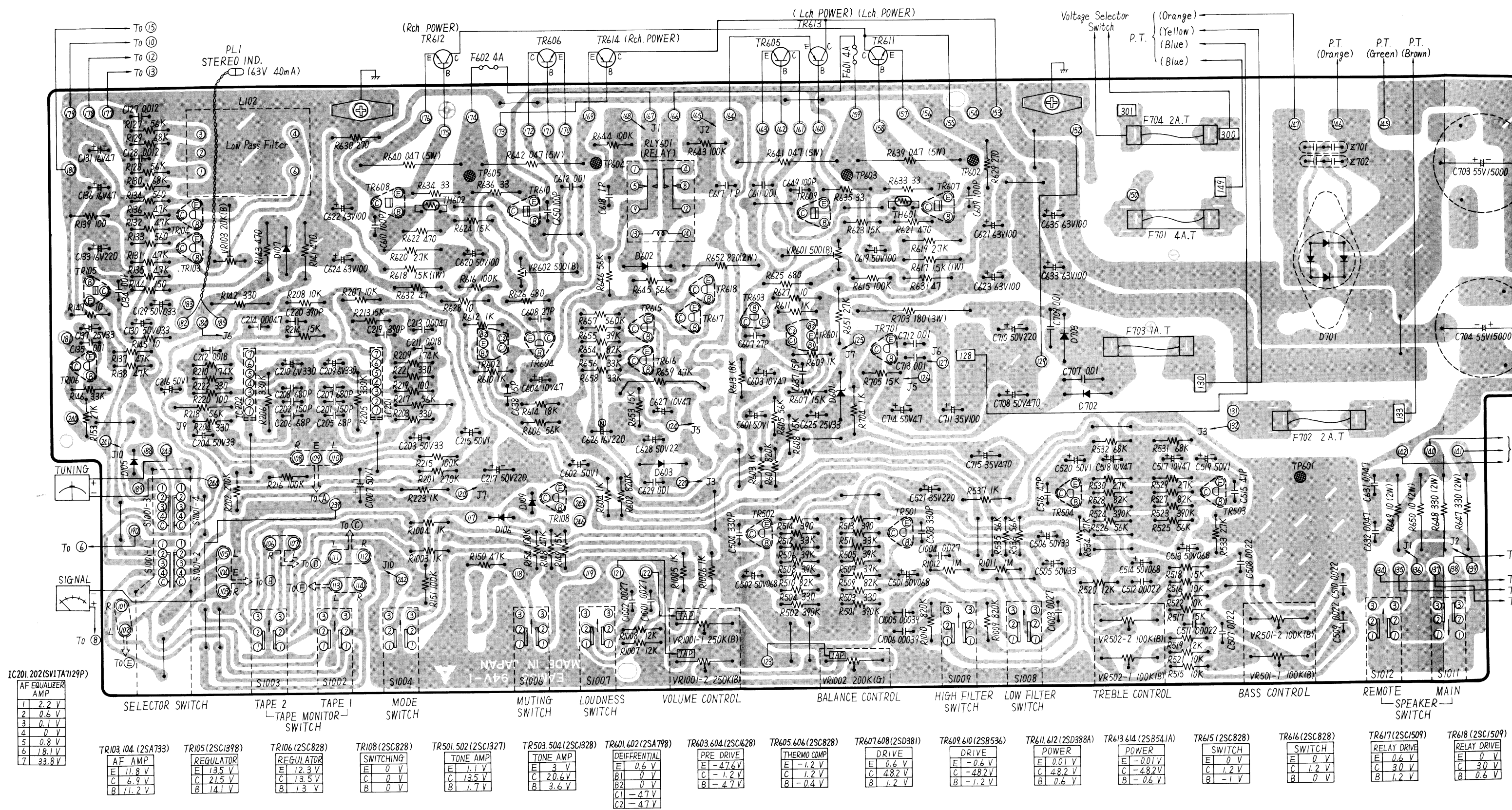
TR605, 606
2SC828
THERMO
COMPENSATOR

TR613, 614
2SB541A
POWER

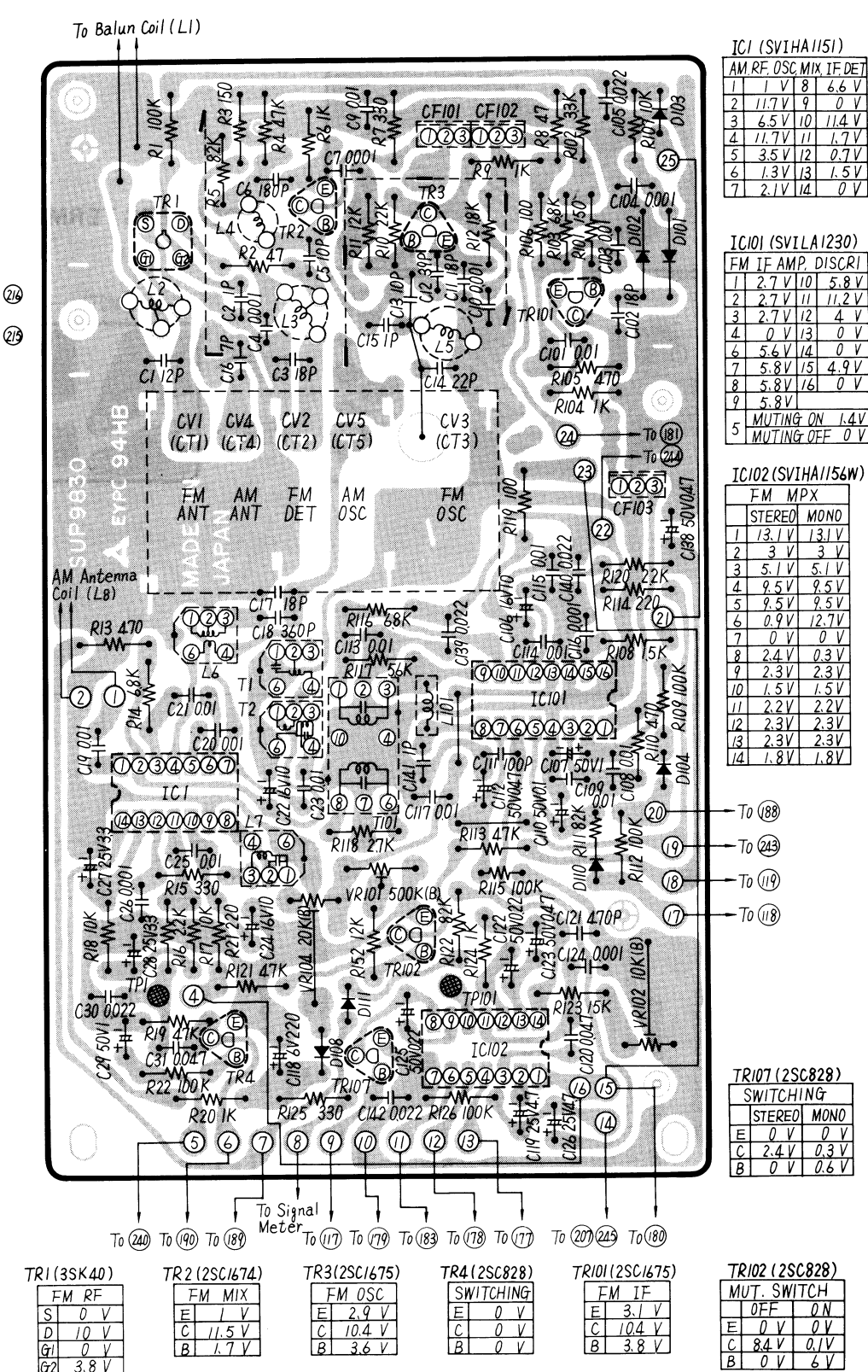
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USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC.

■ EQUALIZER, TONE CONTROL, MAIN AMPLIFIER, SPEAKER PROTECTION & POWER SUPPLY CIRCUIT BOARD

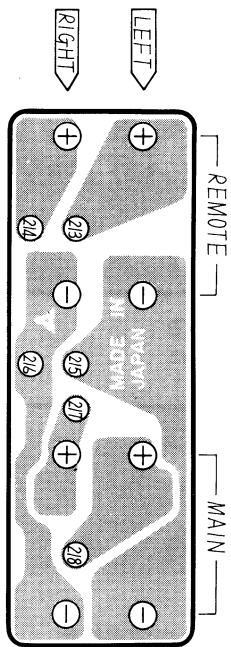
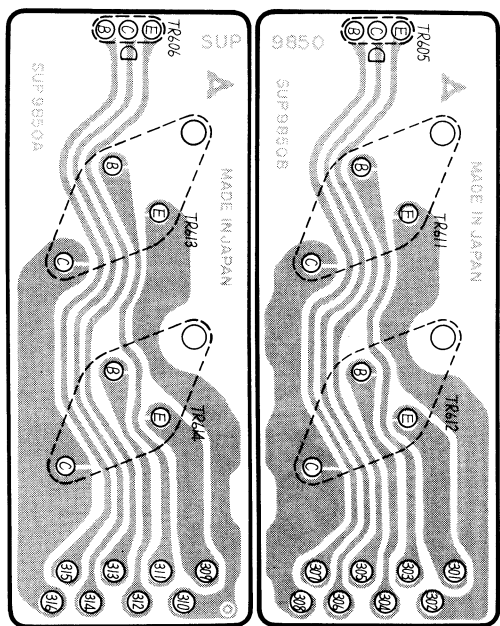


■ FM RF, FM IF AMPLIFIER, FM MPX & AM CIRCUIT BOARD



REPLACEMENT PARTS LIST

Important Safety Notice				
Components identified by shaded area have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.				
NOTE: 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.				
Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
INTEGRATED CIRCUITS				
IC1	SVIHA1151	AM RF, IF Amplifier Mix, Osc & Det	1	
IC101	SVILA1230	FM IF Amplifier & Discriminator	1	
IC102	SVIHA1156W	FM MPX	1	
IC201, 202	SVITA7129P	Equalizer Amplifier	2	
TRANSISTORS				
TR1	3SK40-M	FM RF Amplifier [FET]	1	
TR2	2SC1674-M	FM Mixer	1	
TR3, 101	2SC1675-L1	FM Oscillator & IF Amplifier	2	
TR4, 102, 106	2SC1328-T	Switching, Tone Amplifier, Ripple Filter & Speakers Protection (in ranks S or T).	13	
107, 108, 501				
502, 503, 504,				
615, 616, 619,				
701				
TR103, 104	2SA733-P1	AF Amplifier	2	
TR105	2SC1398-Q	Regulator, (in ranks Q or R)	1	
TR601, 602	2SA798A-G2	Differential Amplifier (in ranks F2 or G2)	2	
TR603, 604	2SC1628-0	Pre Drive Amplifier (in ranks O or Y)	2	
TR605, 606	2SC828A-R	Thermo Compensation	2	
TR607, 608	2SD381A-L9	Driver Amp	2	
TR609, 610	2SB536A-L9	Driver Amp Use in pair ranks (L or M)	2	
TR611, 613	2SD388A-Q	Power Amp	2	
TR612, 614	2SB541A-Q	Power Amp Use in pair ranks (Q or R)	2	
TR617, 618	2SC1509F-Q	Relay Driver (in ranks Q or R)	2	
TR620	2SA902-F	Speaker Protection Switching	1	
Note: TR619 and TR620, Use only set for England [XE].				
DIODES				
D101, 102	OA90	AGC	2	
D103, 104, 105,	MA150	Muting Switching	7	
106, 108, 110,				
111				
D107	SVDMZ414	14V Zener, Voltage Stabilizer	1	
D109	SVDMA26-2	Varistor	1	
D601	SVDMZ324	24V Zener, Voltage Stabilizer	1	
D602, 603, 702,	SVD10E1	Rectifier	4	
703				
D701	SVD6B6CTA-2	Rectifier	1	
COILS and TRANSFORMERS				
L1	SLAA4W1-3	Balun Coil	1	
L2	SLAA4N9	FM Antenna Coil	1	
L3	SLDA4N18	FM Detector Coil	1	
L4	ELQ5A77	Choke Coil	1	
L5	SLOA4N9	FM Oscillator Coil	1	
L6	RLO2M4P	AM Oscillator Coil	1	
L7	SLI2M401	AM IF Filter Coil	1	
L8	SLF2D27	AM Antenna Coil	1	



SPEAKERS TERMINAL CIRCUIT BOARD

POWER TRANSISTOR CIRCUIT BOARD

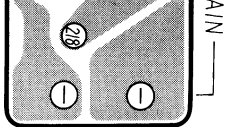
Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
L101	SLQX180-1	Choke Coil	1	
L102	SLMA1Z3-K	Low Pass Filter	1	
T1	RLI2M201	AM IF Transformer	1	
T2	RLI2M202	AM IF Transformer	1	
T101	SLI4D513	FM IF Transformer	1	
T1001 [XE]	SLT5R7-W	Power Transformer, Set for [XE]	1	
T1001 [X, XG, XGH, XSD, XSW]	SLT5R9-W	Power Transformer, Set for [X], [XG], [XGH], [XSD] & [XSW]	1	
CERAMIC FILTERS				
CF101, 102, 103	SVFE107MA8A SVFE107MA8B SVFE107MA8C SVFE107MA8D SVFE107MA8E (Use pair ranks as same as CF101, 102, and CF103)	FM IF Circuit, Red, 10.7MHz FM IF Circuit, Blue, 10.67MHz FM IF Circuit, Orange, 10.73MHz FM IF Circuit, Black, 10.64MHz FM IF Circuit, White, 10.76MHz	each 3	
THERMISTORS				
TH601, 602	RRT251	Thermistor, Drive Amplifier Circuit	2	
POSISTOR				
PH601 [XE]	SRP4BC60158	Posistor, Only set for England [XE]	1	
RESISTORS				
R1	ERD25TJ104	100k Ω , 1/4W, \pm 5%, Carbon	1	
R2	ERD25TJ470	47 Ω , 1/4W, \pm 5%, Carbon	1	
R3	ERD25TJ151	150 Ω , 1/4W, \pm 5%, Carbon	1	
R4	ERD25TJ473	47k Ω , 1/4W, \pm 5%, Carbon	1	
R5	ERD25TJ822	8.2k Ω , 1/4W, \pm 5%, Carbon	1	
R6	ERD25TJ102	1k Ω , 1/4W, \pm 5%, Carbon	1	
R7	ERD25TJ331	330 Ω , 1/4W, \pm 5%, Carbon	1	
R8	ERD25TJ470	47 Ω , 1/4W, \pm 5%, Carbon	1	
R9	ERD25TJ102	1k Ω , 1/4W, \pm 5%, Carbon	1	
R10	ERD25TJ223	22k Ω , 1/4W, \pm 5%, Carbon	1	
R11	ERD25TJ123	12k Ω , 1/4W, \pm 5%, Carbon	1	
R12	ERD25TJ182	1.8k Ω , 1/4W, \pm 5%, Carbon	1	
R13	ERD25TJ471	470 Ω , 1/4W, \pm 5%, Carbon	1	
R14	ERD25TJ682	6.8k Ω , 1/4W, \pm 5%, Carbon	1	
R15	ERD25TJ331	330 Ω , 1/4W, \pm 5%, Carbon	1	
R16	ERD25TJ222	2.2k Ω , 1/4W, \pm 5%, Carbon	1	
R17	ERD25TJ103	10k Ω , 1/4W, \pm 5%, Carbon	1	
R18	ERD25TJ103	10k Ω , 1/4W, \pm 5%, Carbon	1	
R19	ERD25TJ473	47k Ω , 1/4W, \pm 5%, Carbon	1	
R20	ERD25TJ102	1k Ω , 1/4W, \pm 5%, Carbon	1	
R21	ERD25TJ221	220 Ω , 1/4W, \pm 5%, Carbon	1	
R22	ERD25TJ104	100k Ω , 1/4W, \pm 5%, Carbon	1	
R101	ERD25TJ151	150 Ω , 1/4W, \pm 5%, Carbon	1	
R102	ERD25TJ332	3.3k Ω , 1/4W, \pm 5%, Carbon	1	
R103	ERD25TJ682	6.8k Ω , 1/4W, \pm 5%, Carbon	1	
R104	ERD25TJ102	1k Ω , 1/4W, \pm 5%, Carbon	1	
R105	ERD25TJ471	470 Ω , 1/4W, \pm 5%, Carbon	1	
R106	ERD25TJ101	100 Ω , 1/4W, \pm 5%, Carbon	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R107	ERD25TJ103	10k Ω , 1/4W, \pm 5%, Carbon	1	
R108	ERD25TJ152	1.5k Ω , 1/4W, \pm 5%, Carbon	1	
R109	ERD25TJ104	100k Ω , 1/4W, \pm 5%, Carbon	1	
R110	ERD25TJ471	470 Ω , 1/4W, \pm 5%, Carbon	1	
R111	ERD25TJ823	82k Ω , 1/4W, \pm 5%, Carbon	1	
R112	ERD25TJ104	100k Ω , 1/4W, \pm 5%, Carbon	1	
R113	ERD25TJ473	47k Ω , 1/4W, \pm 5%, Carbon	1	
R114	ERD25TJ221	220 Ω , 1/4W, \pm 5%, Carbon	1	
R115	ERD25TJ104	100k Ω , 1/4W, \pm 5%, Carbon	1	
R116	ERD25TJ682	6.8k Ω , 1/4W, \pm 5%, Carbon	1	
R117	ERD25TJ562	5.6k Ω , 1/4W, \pm 5%, Carbon	1	
R118	ERD25TJ272	2.7k Ω , 1/4W, \pm 5%, Carbon	1	
R119	ERD25TJ101	100 Ω , 1/4W, \pm 5%, Carbon	1	
R120	ERD25TJ222	2.2k Ω , 1/4W, \pm 5%, Carbon	1	
R121	ERD25TJ473	47k Ω , 1/4W, \pm 5%, Carbon	1	
R122	ERD25TJ823	82k Ω , 1/4W, \pm 5%, Carbon	1	
R123	ERD25TJ153	15k Ω , 1/4W, \pm 5%, Carbon	1	
R124	ERD25TJ102	1k Ω , 1/4W, \pm 5%, Carbon	1	
R125	ERD25TJ331	330 Ω , 1/4W, \pm 5%, Carbon	1	
R126	ERD25TJ104	100k Ω , 1/4W, \pm 5%, Carbon	1	
R127	ERD25TJ562	5.6k Ω , 1/4W, \pm 5%, Carbon	1	
R128	ERD25TJ562	5.6k Ω , 1/4W, \pm 5%, Carbon	1	
R129	ERD25TJ682	6.8k Ω , 1/4W, \pm 5%, Carbon	1	
R130	ERD25TJ682	6.8k Ω , 1/4W, \pm 5%, Carbon	1	
R131	ERD25TJ472	4.7k Ω , 1/4W, \pm 5%, Carbon	1	
R132	ERD25TJ472	4.7k Ω , 1/4W, \pm 5%, Carbon	1	
R133	ERD25TJ561	560 Ω , 1/4W, \pm 5%, Carbon	1	
R134	ERD25TJ561	560 Ω , 1/4W, \pm 5%, Carbon	1	
R135	ERD25TJ472	4.7k Ω , 1/4W, \pm 5%, Carbon	1	
R136	ERD25TJ472	4.7k Ω , 1/4W, \pm 5%, Carbon	1	
R137	ERD25TJ473	47k Ω , 1/4W, \pm 5%, Carbon	1	
R138	ERD25TJ473	47k Ω , 1/4W, \pm 5%, Carbon	1	
R139	ERD25TJ101	100 Ω , 1/4W, \pm 5%, Carbon	1	
R141	ERD12FJ471	470 Ω , 1/2W, \pm 5%, Carbon	1	
R142	ERG1ANJ331	330 Ω , 1W, \pm 5%, Metallic	1	
R143	ERD12FJ471	470 Ω , 1/2W, \pm 5%, Carbon	1	
R144	ERD25TJ151	150 Ω , 1/4W, \pm 5%, Carbon	1	
R145	ERD25TJ100	10 Ω , 1/4W, \pm 5%, Carbon	1	
R146	ERD25TJ332	3.3k Ω , 1/4W, \pm 5%, Carbon	1	
R147	ERD25TJ100	10 Ω , 1/4W, \pm 5%, Carbon	1	
R148	ERD25TJ473	47k Ω , 1/4W, \pm 5%, Carbon	1	
R149	ERD25TJ153	15k Ω , 1/4W, \pm 5%, Carbon	1	
R150	ERD25TJ473	47k Ω , 1/4W, \pm 5%, Carbon	1	
R151	ERD25TJ104	100k Ω , 1/4W, \pm 5%, Carbon	1	
R152	ERD25TJ123	12k Ω , 1/4W, \pm 5%, Carbon	1	
R153	ERD25TJ273	27k Ω , 1/4W, \pm 5%, Carbon	1	
R154	ERD25TJ104	100k Ω , 1/4W, \pm 5%, Carbon	1	
R201	ERD12TSJ274	270k Ω , 1/2W, \pm 5%, Carbon	1	
R202	ERD12TSJ274	270k Ω , 1/2W, \pm 5%, Carbon	1	
R203	ERD25TJ331	330 Ω , 1/4W, \pm 5%, Carbon	1	
R204	ERD25TJ331	330 Ω , 1/4W, \pm 5%, Carbon	1	
R205	ERD12TSJ334	330k Ω , 1/2W, \pm 5%, Carbon	1	
R206	ERD12TSJ334	330k Ω , 1/2W, \pm 5%, Carbon	1	
R207	ERD25TJ103	10k Ω , 1/4W, \pm 5%, Carbon	1	
R208	ERD25TJ103	10k Ω , 1/4W, \pm 5%, Carbon	1	
R209	ERO50CKF1743	174k Ω , 1/2W, \pm 1%, Metallic	1	
R210	ERO50CKF1743	174k Ω , 1/2W, \pm 1%, Metallic	1	
R213	ERO50CKF1502	15k Ω , 1/2W, \pm 1%, Metallic	1	
R214	ERO50CKF1502	15k Ω , 1/2W, \pm 1%, Metallic	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R215	ERD25TJ104	100k Ω , 1/4W, \pm 5%, Carbon	1	
R216	ERD25TJ104	100k Ω , 1/4W, \pm 5%, Carbon	1	
R217	ERD12TSJ563	56k Ω , 1/2W, \pm 5%, Carbon	1	
R218	ERD12TSJ563	56k Ω , 1/2W, \pm 5%, Carbon	1	
R219	ERD25TJ101	100 Ω , 1/4W, \pm 5%, Carbon	1	
R220	ERD25TJ101	100 Ω , 1/4W, \pm 5%, Carbon	1	
R221	ERD25TJ331	330 Ω , 1/4W, \pm 5%, Carbon	1	
R222	ERD25TJ331	330 Ω , 1/4W, \pm 5%, Carbon	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R614	ERD25TJ182	1.8k Ω , 1/4W, \pm 5%, Carbon	1	
R615	ERD25TJ104	100k Ω , 1/4W, \pm 5%, Carbon	1	
R616	ERD25TJ104	100k Ω , 1/4W, \pm 5%, Carbon	1	
R617	ERG1ANJ152	1.5k Ω , 1W, \pm 5%, Metallic	1	
R618	ERG1ANJ152	1.5k Ω , 1W, \pm 5%, Metallic	1	
R619	ERD12FJ472	4.7k Ω , 1/2W, \pm 5%, Carbon	1	
R620	ERD12FJ472	4.7k Ω , 1/2W, \pm 5%, Carbon	1	
R621	ERD25TJ471	470 Ω , 1/4W, \pm 5%, Carbon	1	

L2	SLAA4N9	FM Antenna Coil	1	
L3	SLDA4N18	FM Detector Coil	1	
L4	ELQ5A77	Choke Coil	1	
L5	SLOA4N9	FM Oscillator Coil	1	
L6	RLO2M4P	AM Oscillator Coil	1	
L7	SLI2M401	AM IF Filter Coil	1	
L8	SLF2D27	AM Antenna Coil	1	



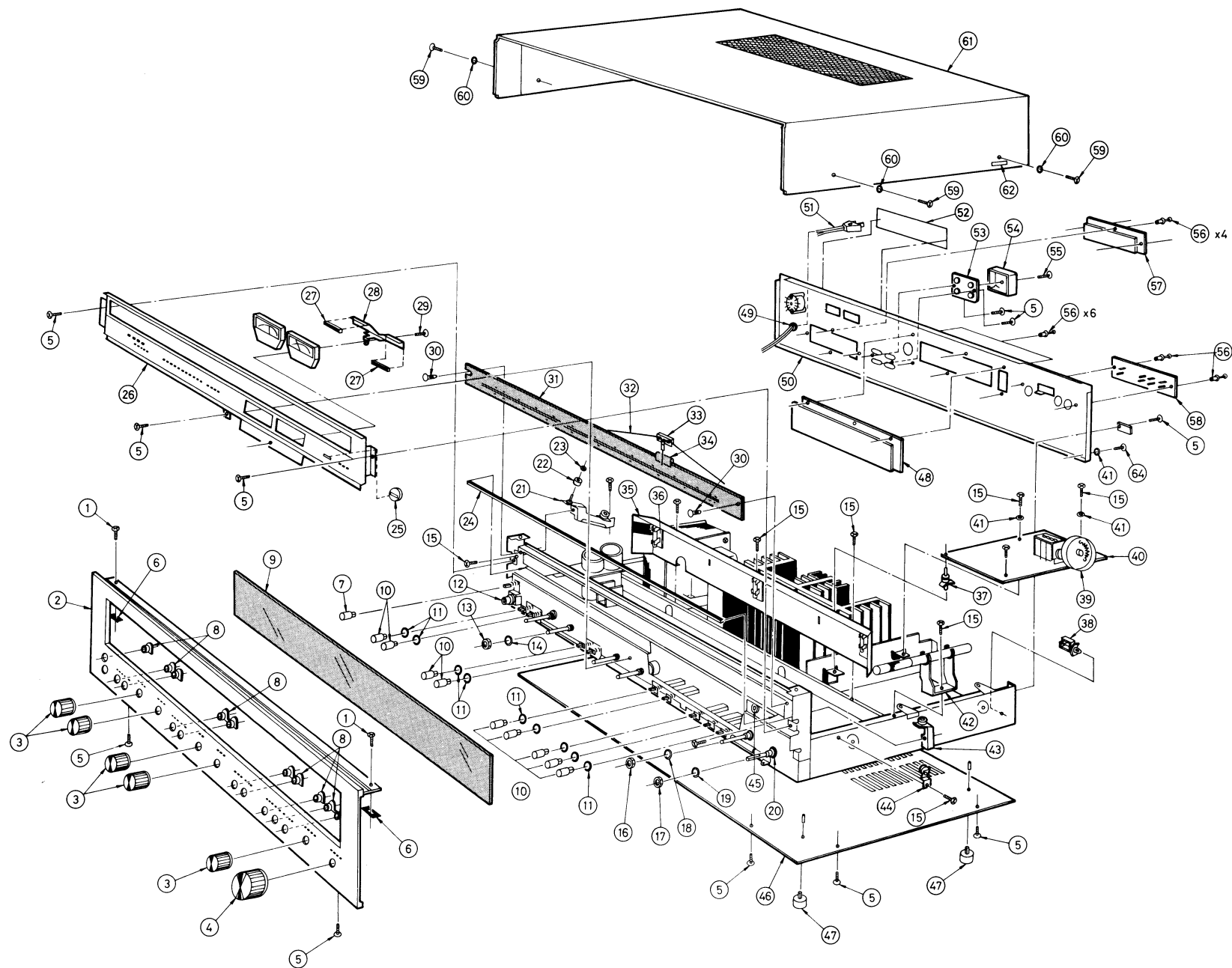
Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
L101 L102	SLQX180-1 SLMA1Z3-K	Choke Coil Low Pass Filter	1 1	
T1	RLI2M201	AM IF Transformer	1	
T2	RLI2M202	AM IF Transformer	1	
T101	SLI4D513	FM IF Transformer	1	
T1001 [XE] T1001 [X, XG, XGH, XSD, XSW]	SLT5R7-W SLT5R9-W	Power Transformer, Set for [XE] Power Transformer, Set for [X], [XG], [XGH], [XSD] & [XSW]	1 1	O O
CERAMIC FILTERS				
CF101, 102, 103	SVFE107MA8A SVFE107MA8B SVFE107MA8C SVFE107MA8D SVFE107MA8E (Use pair ranks as same as	FM IF Circuit, Red, 10.7MHz FM IF Circuit, Blue, 10.67MHz FM IF Circuit, Orange, 10.73MHz FM IF Circuit, Black, 10.64MHz FM IF Circuit, White, 10.76MHz CF101, 102, and CF103)	each 3	
THERMISTORS				
TH601, 602	RRT251	Thermistor, Drive Amplifier Circuit	2	
POSISTOR				
PH601 [XE]	SRP4BC60158	Posistor, Only set for England [XE]	1	
RESISTORS				
R1	ERD25TJ104	100kΩ, 1/4W, ± 5%, Carbon	1	
R2	ERD25TJ470	47Ω, 1/4W, ± 5%, Carbon	1	
R3	ERD25TJ151	150Ω, 1/4W, ± 5%, Carbon	1	
R4	ERD25TJ473	47kΩ, 1/4W, ± 5%, Carbon	1	
R5	ERD25TJ822	8.2kΩ, 1/4W, ± 5%, Carbon	1	
R6	ERD25TJ102	1kΩ, 1/4W, ± 5%, Carbon	1	
R7	ERD25TJ331	330Ω, 1/4W, ± 5%, Carbon	1	
R8	ERD25TJ470	47Ω, 1/4W, ± 5%, Carbon	1	
R9	ERD25TJ102	1kΩ, 1/4W, ± 5%, Carbon	1	
R10	ERD25TJ223	22kΩ, 1/4W, ± 5%, Carbon	1	
R11	ERD25TJ123	12kΩ, 1/4W, ± 5%, Carbon	1	
R12	ERD25TJ182	1.8kΩ, 1/4W, ± 5%, Carbon	1	
R13	ERD25TJ471	470Ω, 1/4W, ± 5%, Carbon	1	
R14	ERD25TJ682	6.8kΩ, 1/4W, ± 5%, Carbon	1	
R15	ERD25TJ331	330Ω, 1/4W, ± 5%, Carbon	1	
R16	ERD25TJ222	2.2kΩ, 1/4W, ± 5%, Carbon	1	
R17	ERD25TJ103	10kΩ, 1/4W, ± 5%, Carbon	1	
R18	ERD25TJ103	10kΩ, 1/4W, ± 5%, Carbon	1	
R19	ERD25TJ473	47kΩ, 1/4W, ± 5%, Carbon	1	
R20	ERD25TJ102	1kΩ, 1/4W, ± 5%, Carbon	1	
R21	ERD25TJ221	220Ω, 1/4W, ± 5%, Carbon	1	
R22	ERD25TJ104	100kΩ, 1/4W, ± 5%, Carbon	1	
R101	ERD25TJ151	150Ω, 1/4W, ± 5%, Carbon	1	
R102	ERD25TJ332	3.3kΩ, 1/4W, ± 5%, Carbon	1	
R103	ERD25TJ682	6.8kΩ, 1/4W, ± 5%, Carbon	1	
R104	ERD25TJ102	1kΩ, 1/4W, ± 5%, Carbon	1	
R105	ERD25TJ471	470Ω, 1/4W, ± 5%, Carbon	1	
R106	ERD25TJ101	100Ω, 1/4W, ± 5%, Carbon	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R107	ERD25TJ103	10kΩ, 1/4W, ± 5%, Carbon	1	
R108	ERD25TJ152	1.5kΩ, 1/4W, ± 5%, Carbon	1	
R109	ERD25TJ104	100kΩ, 1/4W, ± 5%, Carbon	1	
R110	ERD25TJ471	470Ω, 1/4W, ± 5%, Carbon	1	
R111	ERD25TJ823	82kΩ, 1/4W, ± 5%, Carbon	1	
R112	ERD25TJ104	100kΩ, 1/4W, ± 5%, Carbon	1	
R113	ERD25TJ473	47kΩ, 1/4W, ± 5%, Carbon	1	
R114	ERD25TJ221	220Ω, 1/4W, ± 5%, Carbon	1	
R115	ERD25TJ104	100kΩ, 1/4W, ± 5%, Carbon	1	
R116	ERD25TJ682	6.8kΩ, 1/4W, ± 5%, Carbon	1	
R117	ERD25TJ562	5.6kΩ, 1/4W, ± 5%, Carbon	1	
R118	ERD25TJ272	2.7kΩ, 1/4W, ± 5%, Carbon	1	
R119	ERD25TJ101	100Ω, 1/4W, ± 5%, Carbon	1	
R120	ERD25TJ222	2.2kΩ, 1/4W, ± 5%, Carbon	1	
R121	ERD25TJ473	47kΩ, 1/4W, ± 5%, Carbon	1	
R122	ERD25TJ823	82kΩ, 1/4W, ± 5%, Carbon	1	
R123	ERD25TJ153	15kΩ, 1/4W, ± 5%, Carbon	1	
R124	ERD25TJ102	1kΩ, 1/4W, ± 5%, Carbon	1	
R125	ERD25TJ331	330Ω, 1/4W, ± 5%, Carbon	1	
R126	ERD25TJ104	100kΩ, 1/4W, ± 5%, Carbon	1	
R127	ERD25TJ562	5.6kΩ, 1/4W, ± 5%, Carbon	1	
R128	ERD25TJ562	5.6kΩ, 1/4W, ± 5%, Carbon	1	
R129	ERD25TJ682	6.8kΩ, 1/4W, ± 5%, Carbon	1	
R130	ERD25TJ682	6.8kΩ, 1/4W, ± 5%, Carbon	1	
R131	ERD25TJ472	4.7kΩ, 1/4W, ± 5%, Carbon	1	
R132	ERD25TJ472	4.7kΩ, 1/4W, ± 5%, Carbon	1	
R133	ERD25TJ561	560Ω, 1/4W, ± 5%, Carbon	1	
R134	ERD25TJ561	560Ω, 1/4W, ± 5%, Carbon	1	
R135	ERD25TJ472	4.7kΩ, 1/4W, ± 5%, Carbon	1	
R136	ERD25TJ472	4.7kΩ, 1/4W, ± 5%, Carbon	1	
R137	ERD25TJ473	47kΩ, 1/4W, ± 5%, Carbon	1	
R138	ERD25TJ473	47kΩ, 1/4W, ± 5%, Carbon	1	
R139	ERD25TJ101	100Ω, 1/4W, ± 5%, Carbon	1	
R141	ERD12FJ471	470Ω, 1/2W, ± 5%, Carbon	1	
R142	ERG1ANJ331	330Ω, 1W, ± 5%, Metallic	1	
R143	ERD12FJ471	470Ω, 1/2W, ± 5%, Carbon	1	
R144	ERD25TJ151	150Ω, 1/4W, ± 5%, Carbon	1	
R145	ERD25TJ100	10Ω, 1/4W, ± 5%, Carbon	1	
R146	ERD25TJ332	3.3kΩ, 1/4W, ± 5%, Carbon	1	
R147	ERD25TJ100	10Ω, 1/4W, ± 5%, Carbon	1	
R148	ERD25TJ473	47kΩ, 1/4W, ± 5%, Carbon	1	
R149	ERD25TJ153	15kΩ, 1/4W, ± 5%, Carbon	1	
R150	ERD25TJ473	47kΩ, 1/4W, ± 5%, Carbon	1	
R151	ERD25TJ104	100kΩ, 1/4W, ± 5%, Carbon	1	
R152	ERD25TJ123	12kΩ, 1/4W, ± 5%, Carbon	1	
R153	ERD25TJ273	27kΩ, 1/4W, ± 5%, Carbon	1	
R154	ERD25TJ104	100kΩ, 1/4W, ± 5%, Carbon	1	
R201	ERD12TSJ274	270kΩ, 1/2W, ± 5%, Carbon	1	
R202	ERD12TSJ274	270kΩ, 1/2W, ± 5%, Carbon	1	
R203	ERD25TJ331	330Ω, 1/4W, ± 5%, Carbon	1	
R204	ERD25TJ331	330Ω, 1/4W, ± 5%, Carbon	1	
R205	ERD12TSJ334	330kΩ, 1/2W, ± 5%, Carbon	1	
R206	ERD12TSJ334	330kΩ, 1/2W, ± 5%, Carbon	1	
R207	ERD25TJ103	10kΩ, 1/4W, ± 5%, Carbon	1	
R208	ERD25TJ103	10kΩ, 1/4W, ± 5%, Carbon	1	
R209	ERO50CKF1743	174kΩ, 1/2W, ± 1%, Metallic	1	O
R210	ERO50CKF1743	174kΩ, 1/2W, ± 1%, Metallic	1	O
R213	ERO50CKF1502	15kΩ, 1/2W, ± 1%, Metallic	1	O
R214	ERO50CKF1502	15kΩ, 1/2W, ± 1%, Metallic	1	O

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R215	ERD25TJ104	100kΩ, 1/4W, ± 5%, Carbon	1	
R216	ERD25TJ104	100kΩ, 1/4W, ± 5%, Carbon	1	
R217	ERD12TSJ563	56kΩ, 1/2W, ± 5%, Carbon	1	
R218	ERD12TSJ563	56kΩ, 1/2W, ± 5%, Carbon	1	
R219	ERD25TJ101	100Ω, 1/4W, ± 5%, Carbon	1	
R220	ERD25TJ101	100Ω, 1/4W, ± 5%, Carbon	1	
R221	ERD25TJ331	330Ω, 1/4W, ± 5%, Carbon	1	
R222	ERD25TJ331	330Ω, 1/4W, ± 5%, Carbon	1	
R223	ERD14FJ102	1kΩ, 1/4W, ± 5%, Carbon	1	
R501	ERD25TJ394	390kΩ, 1/4W, ± 5%, Carbon	1	
R502	ERD25TJ394	390kΩ, 1/4W, ± 5%, Carbon	1	
R503	ERD25TJ331	330Ω, 1/4W, ± 5%, Carbon	1	
R504	ERD25TJ331	330Ω, 1/4W, ± 5%, Carbon	1	
R505	ERD25TJ393	39kΩ, 1/4W, ± 5%, Carbon	1	
R506	ERD25TJ393	39kΩ, 1/4W, ± 5%, Carbon	1	
R507	ERD25TJ392	3.9kΩ, 1/4W, ± 5%, Carbon	1	
R508	ERD25TJ392	3.9kΩ, 1/4W, ± 5%, Carbon	1	
R509	ERD25TJ823	82kΩ, 1/4W, ± 5%, Carbon	1	
R510	ERD25TJ823	82kΩ, 1/4W, ± 5%, Carbon	1	
R511	ERD25TJ332	3.3kΩ, 1/4W, ± 5%, Carbon	1	
R512	ERD25TJ332	3.3kΩ, 1/4W, ± 5%, Carbon	1	
R513	ERD25TJ391	390Ω, 1/4W, ± 5%, Carbon	1	
R514	ERD25TJ391	390Ω, 1/4W, ± 5%, Carbon	1	
R515	ERD25TJ103	10kΩ, 1/4W, ± 5%, Carbon	1	
R516	ERD25TJ103	10kΩ, 1/4W, ± 5%, Carbon	1	
R517	ERD25TJ153	15kΩ, 1/4W, ± 5%, Carbon	1	
R518	ERD25TJ153	15kΩ, 1/4W, ± 5%, Carbon	1	
R519	ERD25TJ122	1.2kΩ, 1/4W, ± 5%, Carbon	1	
R520	ERD25TJ122	1.2kΩ, 1/4W, ± 5%, Carbon	1	
R521	ERD25TJ103	10kΩ, 1/4W, ± 5%, Carbon	1	
R522	ERD25TJ103	10kΩ, 1/4W, ± 5%, Carbon	1	
R523	ERD25TJ394	390kΩ, 1/4W, ± 5%, Carbon	1	
R524	ERD25TJ394	390kΩ, 1/4W, ± 5%, Carbon	1	
R525	ERD25TJ563	56kΩ, 1/4W, ± 5%, Carbon	1	
R526	ERD25TJ563	56kΩ, 1/4W, ± 5%, Carbon	1	
R527	ERD25TJ822	8.2kΩ, 1/4W, ± 5%, Carbon	1	
R528	ERD25TJ822	8.2kΩ, 1/4W, ± 5%, Carbon	1	
R529	ERD25TJ272	2.7kΩ, 1/4W, ± 5%, Carbon	1	
R530	ERD25TJ272	2.7kΩ, 1/4W, ± 5%, Carbon	1	
R531	ERD25TJ683	68kΩ, 1/4W, ± 5%, Carbon	1	
R532	ERD25TJ683	68kΩ, 1/4W, ± 5%, Carbon	1	
R533	ERD25TJ272	2.7kΩ, 1/4W, ± 5%, Carbon	1	
R534	ERD25TJ272	2.7kΩ, 1/4W, ± 5%, Carbon	1	
R535	ERD25TJ562	5.6kΩ, 1/4W, ± 5%, Carbon	1	
R536	ERD25TJ562	5.6kΩ, 1/4W, ± 5%, Carbon	1	
R537	ERD14FJ102	1kΩ, 1/4W, ± 5%, Carbon	1	
R601	ERD25TJ824	820kΩ, 1/4W, ± 5%, Carbon	1	
R602	ERD25TJ824	820kΩ, 1/4W, ± 5%, Carbon	1	
R603	ERD25TJ102	1kΩ, 1/4W, ± 5%, Carbon	1	
R604	ERD25TJ102	1kΩ, 1/4W, ± 5%, Carbon	1	
R605	ERD25TJ563	56kΩ, 1/4W, ± 5%, Carbon	1	
R606	ERD25TJ563	56kΩ, 1/4W, ± 5%, Carbon	1	
R607	ERD25TJ153	15kΩ, 1/4W, ± 5%, Carbon	1	
R608	ERD25TJ153	15kΩ, 1/4W, ± 5%, Carbon	1	
R609	ERD25TJ102	1kΩ, 1/4W, ± 5%, Carbon	1	
R610	ERD25TJ102	1kΩ, 1/4W, ± 5%, Carbon	1	
R611	ERD25TJ102	1kΩ, 1/4W, ± 5%, Carbon	1	
R612	ERD25TJ102	1kΩ, 1/4W, ± 5%, Carbon	1	
R613	ERD25TJ182	1.8kΩ, 1/4W, ± 5%, Carbon	1	

Ref. No.	Part No.	Part Name & Description				Per Set	Remarks
R614	ERD25TJ182	1.8kΩ,	1/4W,	± 5%,	Carbon	1	
R615	ERD25TJ104	100kΩ,	1/4W,	± 5%,	Carbon	1	
R616	ERD25TJ104	100kΩ,	1/4W,	± 5%,	Carbon	1	
R617	ERG1ANJ152	1.5kΩ,	1W,	± 5%,	Metallic	1	
R618	ERG1ANJ152	1.5kΩ,	1W,	± 5%,	Metallic	1	
R619	ERD12FJ472	4.7kΩ,	1/2W,	± 5%,	Carbon	1	
R620	ERD12FJ472	4.7kΩ,	1/2W,	± 5%,	Carbon	1	
R621	ERD25TJ471	470Ω,	1/4W,	± 5%,	Carbon	1	
R622	ERD25TJ471	470Ω,	1/4W,	± 5%,	Carbon	1	
R623	ERD25TJ152	1.5kΩ,	1/4W,	± 5%,	Carbon	1	
R624	ERD25TJ152	1.5kΩ,	1/4W,	± 5%,	Carbon	1	
R625	ERD14FJ681	680Ω,	1/4W,	± 5%,	Carbon	1	
R626	ERD14FJ681	680Ω,	1/4W,	± 5%,	Carbon	1	
R627	ERD14FJ100	10Ω,	1/4W,	± 5%,	Carbon	1	
R628	ERD14FJ100	10Ω,	1/4W,	± 5%,	Carbon	1	
R629	ERD14FJ271	270Ω,	1/4W,	± 5%,	Carbon	1	
R630	ERD14FJ271	270Ω,	1/4W,	± 5%,	Carbon	1	
R631	ERD14FJ470	47Ω,	1/4W,	± 5%,	Carbon	1	
R632	ERD14FJ470	47Ω,	1/4W,	± 5%,	Carbon	1	
R633	ERD14FJ330	33Ω,	1/4W,	± 5%,	Carbon	1	
R634	ERD14FJ330	33Ω,	1/4W,	± 5%,	Carbon	1	
R635	ERD14FJ330	33Ω,	1/4W,	± 5%,	Carbon	1	
R636	ERD14FJ330	33Ω,	1/4W,	± 5%,	Carbon	1	
R639	ERF5AKR47	0.47Ω,	5W,	±10%,	Non-Flammable	1	
R640	ERF5AKR47	0.47Ω,	5W,	±10%,	Non-Flammable	1	
R641	ERF5AKR47	0.47Ω,	5W,	±10%,	Non-Flammable	1	
R642	ERF5AKR47	0.47Ω,	5W,	±10%,	Non-Flammable	1	
R643	ERD25TJ104	100kΩ,	1/4W,	± 5%,	Carbon	1	
R644	ERD25TJ104	100kΩ,	1/4W,	± 5%,	Carbon	1	
R645	ERD25TJ563	56kΩ,	1/4W,	± 5%,	Carbon	1	
R646	ERD25TJ563	56kΩ,	1/4W,	± 5%,	Carbon	1	
R647	ERG2ANJ331	330Ω,	2W,	± 5%,	Metallic	1	
R648	ERG2ANJ331	330Ω,	2W,	± 5%,	Metallic	1	
R649	ERX2ANJ100	10Ω,	2W,	± 5%,	Metallic	1	
R650	ERX2ANJ100	10Ω,	2W,	± 5%,	Metallic	1	
R651	ERD12FJ272	2.7kΩ,	1/2W,	± 5%,	Carbon	1	
R652	ERG2ANJ821	820Ω,	2W,	± 5%,	Metallic	1	
R653	ERD25TJ153	15kΩ,	1/4W,	± 5%,	Carbon	1	
R654	ERD25TJ822	8.2kΩ,	1/4W,	± 5%,	Carbon	1	
R655	ERD25TJ393	39kΩ,	1/4W,	± 5%,	Carbon	1	
R656	ERD25TJ333	33kΩ,	1/4W,	± 5%,	Carbon	1	
R657	ERD25TJ564	560kΩ,	1/4W,	± 5%,	Carbon	1	
R658	ERD25TJ333	33kΩ,	1/4W,	± 5%,	Carbon	1	
R659	ERD25TJ472	4.7kΩ,	1/4W,	± 5%,	Carbon	1	
R660 [XE]	Resistors, only Set for England [XE]						
R661 [XE]	ERD25TJ273	27kΩ,	1/4W,	± 5%,	Carbon	1	
R662 [XE]	ERD25TJ123	12kΩ,	1/4W,	± 5%,	Carbon	1	
R663 [XE]	ERD25TJ563	56kΩ,	1/4W,	± 5%,	Carbon	1	
R664 [XE]	ERD25TJ824	820kΩ,	1/4W,	± 5%,	Carbon	1	
R665 [XE]	ERD25TJ124	120kΩ,	1/4W,	± 5%,	Carbon	1	
R666 [XE]	ERD25TJ563	56kΩ,	1/4W,	± 5%,	Carbon	1	

■ CABINET & CHASSIS PARTS



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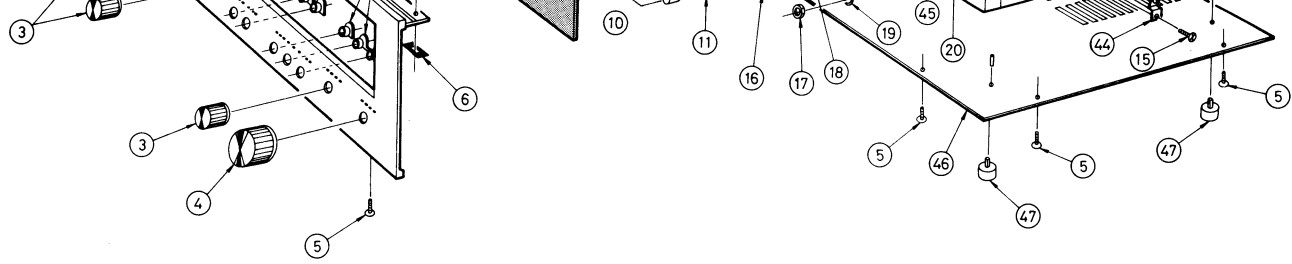
Ref. No.	Part No.	Part Name & Description				Per Set	Remarks
R703	ERG3ANJ181	180Ω	3W,	± 5%,	Metallic	1	
R704	ERD14FJ102	1kΩ,	1/4W,	± 5%,	Carbon	1	
R705	ERD25TJ153	15kΩ,	1/4W,	± 5%,	Carbon	1	
R1003	ERD25TJ102	1kΩ,	1/4W,	± 5%,	Carbon	1	
R1004	ERD25TJ102	1kΩ,	1/4W,	± 5%,	Carbon	1	
R1005	ERD25TJ102	1kΩ,	1/4W,	± 5%,	Carbon	1	
R1006	ERD25TJ102	1kΩ,	1/4W,	± 5%,	Carbon	1	
R1007	ERD25TJ123	12kΩ,	1/4W,	± 5%,	Carbon	1	
R1008	ERD25TJ123	12kΩ,	1/4W,	± 5%,	Carbon	1	
R1009	ERD25TJ824	820kΩ,	1/4W,	± 5%,	Carbon	1	
R1010	ERD25TJ824	820kΩ,	1/4W,	± 5%,	Carbon	1	
R1011	ERD25TJ105	1MΩ,	1/4W,	± 5%,	Carbon	1	
R1012	ERD25TJ105	1MΩ,	1/4W,	± 5%,	Carbon	1	
R1013	ERD25TJ104	100kΩ,	1/4W,	± 5%,	Carbon	1	
R1014	ERD25TJ104	100kΩ,	1/4W,	± 5%,	Carbon	1	
R1015	ERD25TJ474	470kΩ,	1/4W,	± 5%,	Carbon	1	
R1016	ERD25TJ474	470kΩ,	1/4W,	± 5%,	Carbon	1	
R1017	ERD25TJ472	4.7kΩ,	1/4W,	± 5%,	Carbon	1	
R1018	ERD25TJ472	4.7kΩ,	1/4W,	± 5%,	Carbon	1	
R1019	ERD25TJ472	4.7kΩ,	1/4W,	± 5%,	Carbon	1	
R1020	ERD25TJ472	4.7kΩ,	1/4W,	± 5%,	Carbon	1	
VARIABLE RESISTORS							
VR101	EVLS0AA00B55	500kΩ (B),	Muting Level Adjustment			1	
VR102	EYLS3AA00B14	10kΩ (B),	PLL VCO Adjustment			1	
VR103	EYLS3AA00B24	20kΩ (B)	Separation Adjustment			1	
VR104	EYLS3AA00B24	20kΩ (B),	FM Signal Meter Adjustment			1	
VR501, 502	EWFS2QAF30B15	100kΩ (B),	Bass & Treble Control			2	
VR601, 602	EVLS3AA00B52	500Ω (B),	Main Amp Ica Adjustment			2	
VR1001	EWFS5MA037BF5	250kΩ (B),	Volume Control			1	○
VR1002	EVE7DA088G25	200kΩ (G),	Balance Control			1	○
CAPACITORS							
C1	ECCD1H120KC	12pF,	50WV,	±10%,	Ceramic	1	
C2	ECCD1H0101CC	1pF,	50WV,	±0.25pF,	Ceramic	1	
C3	ECCD1H180KR	18pF,	50WV,	±10%,	Ceramic	1	
C4	ECKD1H102MDA	0.001μF,	50WV,	±20%,	Ceramic	1	
C5	ECCD1H100KC	10pF,	50WV,	±10%,	Ceramic	1	
C6	ECCD1H181K	180pF,	50WV,	±10%,	Ceramic	1	
C7	ECKD1H102PF	0.001μF,	50WV,	+100% -0%	Ceramic	1	
C9	ECKD1H103PF	0.01μF,	50WV,	+100% -0%	Ceramic	1	
C10	ECKD1H102PF	0.001μF,	50WV,	+100% -0%	Ceramic	1	
C11	ECCD1H180KC	18pF,	50WV,	±10%,	Ceramic	1	
C12	ECCD1H390KC	39pF,	50WV,	±10%,	Ceramic	1	
C13	ECCD1H100KC	10pF,	50WV,	±10%,	Ceramic	1	
C14	ECCD1H220KR	22pF,	50WV,	±10%,	Ceramic	1	
C15	ECCD1H010CC	1pF,	50WV,	±0.25pF,	Ceramic	1	
C16	ECCD1H070DC	7pF,	50WV,	±0.5pF,	Ceramic	1	
C17	ECCD1H180KC	18pF,	50WV,	±10%,	Ceramic	1	
C18	ECQS1361JZ	360pF,	125WV,	±5%,	Styrol	1	
C19	ECKD1H103MD	0.01μF,	50WV,	±20%,	Ceramic	1	
C20	ECKD1H103MD	0.01μF,	50WV,	±20%,	Ceramic	1	
C21	ECKD1H103PF	0.01μF,	50WV,	+100% -0%	Ceramic	1	
C22	ECEA16V10V	10μF,	16WV,		Electrolytic	1	
C23	ECKD1H103PF	0.01μF,	50WV,	+100% -0%	Ceramic	1	
C24	ECEA16V10V	10μF,	16WV,		Electrolytic	1	
C25	ECKD1H103PF	0.01μF,	50WV,	+100% -0%	Ceramic	1	

Ref. No.	Part No.	Part Name & Description				Per Set	Remarks
C26	ECKD1H102PF	0.001μF	50WV	±100%	Ceramic	1	
C27	ECEA50V3R3V	3.3μF	50WV		Electrolytic	1	
C28	ECEA50V3R3V	3.3μF	50WV		Electrolytic	1	
C29	ECEA50V1V	1μF	50WV		Electrolytic	1	
C30	ECQM05223KZ	0.022μF	50WV	±10%	Polyester	1	
C31	ECQM05473KZ	0.047μF	50WV	±10%	Polyester	1	
C101	ECKD1H103PF	0.01μF	50WV	±100%	Ceramic	1	
C102	ECCD1H180KC	18pF	50WV	±10%	Ceramic	1	
C103	ECKD1H103PF	0.01μF	50WV	±100%	Ceramic	1	
C104	ECKD1H102PF	0.001μF	50WV	±100%	Ceramic	1	
C105	ECKD1H223PF	0.022μF	50WV	±100%	Ceramic	1	
C106	ECEA16V10V	10μF	16WV		Electrolytic	1	
C107	ECEA50V1V	1μF	50WV		Electrolytic	1	
C108	ECKD1H103MD	0.01μF	50WV	±20%	Ceramic	1	
C109	ECKD1H103MD	0.01μF	50WV	±20%	Ceramic	1	
C110	ECEA50ZR1	0.1μF	50WV		Electrolytic	1	
C111	ECCD1H101K	100pF	50WV	±10%	Ceramic	1	
C112	ECEA50VR47V	0.47μF	50WV		Electrolytic	1	
C113	ECKD1H103PF	0.01μF	50WV	±100%	Ceramic	1	
C114	ECKD1H103PF	0.01μF	50WV	±100%	Ceramic	1	
C115	ECKD1H103PF	0.01μF	50WV	±100%	Ceramic	1	
C116	ECKD1H102PF	0.001μF	50WV	±100%	Ceramic	1	
C117	ECKD1H103PF	0.01μF	50WV	±100%	Ceramic	1	
C118	ECEA6V220V	220μF	6.3WV		Electrolytic	1	
C119	ECEA35V4R7V	4.7μF	35WV		Electrolytic	1	
C120	ECQM05473KZ	0.047μF	50WV	±10%	Polyester	1	
C121	ECQS1471JZ-K	470pF	125WV	±5%	Styrol	1	
C122	ECEA50ZR22	0.22μF	50WV		Electrolytic	1	
C123	ECEA50VR47V	0.47μF	50WV		Electrolytic	1	
C124	ECKD1H102PF	0.001μF	50WV	±100%	Ceramic	1	
C125	ECEA50MR22R	0.22μF	50WV		Electrolytic	1	
C126	ECEA35V4R7V	4.7μF	35WV		Electrolytic	1	
C127	ECQM05123JZ	0.012μF	50WV	±5%	Polyester	1	
C128	ECQM05123JZ	0.012μF	50WV	±5%	Polyester	1	
C129	ECEA50ZR33	0.33μF	50WV		Electrolytic	1	
C130	ECEA50ZR33	0.33μF	50WV		Electrolytic	1	
C131	ECEA16V47V	47μF	16WV		Electrolytic	1	
C133	ECEA16V220V	220μF	16WV		Electrolytic	1	
C134	ECKD1H103PF	0.01μF	50WV	±100%	Ceramic	1	
C135	ECKD1H103PF	0.01μF	50WV	±100%	Ceramic	1	
C136	ECEA16V47V	47μF	16WV		Electrolytic	1	
C137	ECEA50V3R3V	3.3μF	50WV		Electrolytic	1	
C138	ECEA50VR47V	0.47μF	50WV		Electrolytic	1	
C139	ECQM05223KZ	0.022μF	50WV	±10%	Polyester	1	
C140	ECQM05223KZ	0.022μF	50WV	±10%	Polyester	1	
C141	ECCD1H010CC	1pF	50WV	±0.25pF	Ceramic	1	
C142	ECKD1H223PF	0.022μF	50WV	±100%	Ceramic	1	
C201	ECCD1H151K	150pF	50WV	±10%	Ceramic	1	
C202	ECCD1H151K	150pF	50WV	±10%	Ceramic	1	
C203	ECEA50M3R3R	3.3μF	50WV		Electrolytic	1	
C204	ECEA50M3R3R	3.3μF	50WV		Electrolytic	1	
C205	ECCD1H680K	68pF	50WV	±10%	Ceramic	1	
C206	ECCD1H680K	68pF	50WV	±10%	Ceramic	1	
C207	ECKD2H681KB	680pF	500WV	±10%	Ceramic	1	
C208	ECKD2H681KB	680pF	500WV	±10%	Ceramic	1	
C209	ECEA6V330V	330μF	6.3WV		Electrolytic	1	
C210	ECEA6V330V	330μF	6.3WV		Electrolytic	1	
C211	ECQF1183GZN	0.018μF	125WV	±2%	Polypropylene	1	○

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Ref. No.	Part No.	Part Name & Description				Per Set	Remarks
C212	ECQF1183GZN	0.018μF	125WV	±2%	Polypropylene	1	○
C213	ECQF1472GZN	0.0047μF	125WV	±2%	Polypropylene	1	○
C214	ECQF1472GZN	0.0047μF	125WV	±2%	Polypropylene	1	○
C215	ECEA50M1R	1μF	50WV		Electrolytic	1	
C216	ECEA50M1R	1μF	50WV		Electrolytic	1	
C217	ECEA50V220V	220μF	50WV		Electrolytic	1	

Ref. No.	Part No.	Part Name & Description				Per Set	Remarks
C638	ECCD2H150D	15pF	500WV	±0.5pF	Ceramic	1	
C649	ECCD2H101K	100pF	500WV	±10%	Ceramic	1	
C650	ECCD2H101K	100pF	500WV	±10%	Ceramic	1	
C691	ECKD1H102MD	0.001μF	50WV	±20%	Ceramic	1	
C692	ECKD1H102MD	0.001μF	50WV	±20%	Ceramic	1	



Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
R703	ERG3ANJ181	180Ω, 3W, ± 5%, Metallic	1	
R704	ERD14FJ102	1kΩ, 1/4W, ± 5%, Carbon	1	
R705	ERD25TJ153	15kΩ, 1/4W, ± 5%, Carbon	1	
R1003	ERD25TJ102	1kΩ, 1/4W, ± 5%, Carbon	1	
R1004	ERD25TJ102	1kΩ, 1/4W, ± 5%, Carbon	1	
R1005	ERD25TJ102	1kΩ, 1/4W, ± 5%, Carbon	1	
R1006	ERD25TJ102	1kΩ, 1/4W, ± 5%, Carbon	1	
R1007	ERD25TJ123	12kΩ, 1/4W, ± 5%, Carbon	1	
R1008	ERD25TJ123	12kΩ, 1/4W, ± 5%, Carbon	1	
R1009	ERD25TJ824	820kΩ, 1/4W, ± 5%, Carbon	1	
R1010	ERD25TJ824	820kΩ, 1/4W, ± 5%, Carbon	1	
R1011	ERD25TJ105	1MΩ, 1/4W, ± 5%, Carbon	1	
R1012	ERD25TJ105	1MΩ, 1/4W, ± 5%, Carbon	1	
R1013	ERD25TJ104	100kΩ, 1/4W, ± 5%, Carbon	1	
R1014	ERD25TJ104	100kΩ, 1/4W, ± 5%, Carbon	1	
R1015	ERD25TJ474	470kΩ, 1/4W, ± 5%, Carbon	1	
R1016	ERD25TJ474	470kΩ, 1/4W, ± 5%, Carbon	1	
R1017	ERD25TJ472	4.7kΩ, 1/4W, ± 5%, Carbon	1	
R1018	ERD25TJ472	4.7kΩ, 1/4W, ± 5%, Carbon	1	
R1019	ERD25TJ472	4.7kΩ, 1/4W, ± 5%, Carbon	1	
R1020	ERD25TJ472	4.7kΩ, 1/4W, ± 5%, Carbon	1	
VARIABLE RESISTORS				
VR101	EVLS0AA00B55	500kΩ (B), Muting Level Adjustment	1	
VR102	EVLS3AA00B14	10kΩ (B), PLL VCO Adjustment	1	
VR103	EVLS3AA00B24	20kΩ (B), Separation Adjustment	1	
VR104	EVLS3AA00B24	20kΩ (B), FM Signal Meter Adjustment	1	
VR501, 502	EWf2QAF30B15	100kΩ (B), Bass & Treble Control	2	
VR601, 602	EVLS3AA00B52	500Ω (B), Main Amp Ica Adjustment	2	
VR1001	EWf5MA037BF5	250kΩ (B), Volume Control	1	○
VR1002	EVE7DA088G25	200kΩ (G), Balance Control	1	○
CAPACITORS				
C1	ECCD1H120KC	12pF, 50WV, ±10%, Ceramic	1	
C2	ECCD1H0101CC	1pF, 50WV, ±0.25pF, Ceramic	1	
C3	ECCD1H180KR	18pF, 50WV, ±10%, Ceramic	1	
C4	ECKD1H102MDA	0.001μF, 50WV, ±20%, Ceramic	1	
C5	ECCD1H100KC	10pF, 50WV, ±10%, Ceramic	1	
C6	ECCD1H181K	180pF, 50WV, ±10%, Ceramic	1	
C7	ECKD1H102PF	0.001μF, 50WV, ±100% -0% Ceramic	1	
C9	ECKD1H103PF	0.01μF, 50WV, ±100% -0% Ceramic	1	
C10	ECKD1H102PF	0.001μF, 50WV, ±100% -0% Ceramic	1	
C11	ECCD1H180KC	18pF, 50WV, ±10%, Ceramic	1	
C12	ECCD1H390KC	39pF, 50WV, ±10%, Ceramic	1	
C13	ECCD1H100KC	10pF, 50WV, ±10%, Ceramic	1	
C14	ECCD1H220KR	22pF, 50WV, ±10%, Ceramic	1	
C15	ECCD1H010CC	1pF, 50WV, ±0.25pF, Ceramic	1	
C16	ECCD1H070DC	7pF, 50WV, ±0.5pF, Ceramic	1	
C17	ECCD1H180KC	18pF, 50WV, ±10%, Ceramic	1	
C18	ECQS1361JZ	360pF, 125WV, ±5%, Styrol	1	
C19	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1	
C20	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1	
C21	ECKD1H103PF	0.01μF, 50WV, ±100% -0% Ceramic	1	
C22	ECEA16V10V	10μF, 16WV, Electrolytic	1	
C23	ECKD1H103PF	0.01μF, 50WV, ±100% -0% Ceramic	1	
C24	ECEA16V10V	10μF, 16WV, Electrolytic	1	
C25	ECKD1H103PF	0.01μF, 50WV, ±100% -0% Cermaic	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C26	ECKD1H102PF	0.001μF, 50WV, ±100% -0% Ceramic	1	
C27	ECEA50V3R3V	3.3μF, 50WV, Electrolytic	1	
C28	ECEA50V3R3V	3.3μF, 50WV, Electrolytic	1	
C29	ECEA50V1V	1μF, 50WV, Electrolytic	1	
C30	ECQM05223KZ	0.022μF, 50WV, ±10%, Polyester	1	
C31	ECQM05473KZ	0.047μF, 50WV, ±10%, Polyester	1	
C101	ECKD1H103PF	0.01μF, 50WV, ±100% -0% Ceramic	1	
C102	ECCD1H180KC	18pF, 50WV, ±10%, Ceramic	1	
C103	ECKD1H103PF	0.01μF, 50WV, ±100% -0% Ceramic	1	
C104	ECKD1H102PF	0.001μF, 50WV, ±100% -0% Ceramic	1	
C105	ECKD1H223PF	0.022μF, 50WV, ±100% -0% Ceramic	1	
C106	ECEA16V10V	10μF, 16WV, Electrolytic	1	
C107	ECEA50V1V	1μF, 50WV, Electrolytic	1	
C108	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1	
C109	ECKD1H103MD	0.01μF, 50WV, ±20%, Ceramic	1	
C110	ECEA50ZR1	0.1μF, 50WV, Electrolytic	1	
C111	ECCD1H101K	100pF, 50WV, ±10%, Ceramic	1	
C112	ECEA50VR47V	0.47μF, 50WV, Electrolytic	1	
C113	ECKD1H103PF	0.01μF, 50WV, ±100% -0% Ceramic	1	
C114	ECKD1H103PF	0.01μF, 50WV, ±100% -0% Ceramic	1	
C115	ECKD1H103PF	0.01μF, 50WV, ±100% -0% Ceramic	1	
C116	ECKD1H102PF	0.001μF, 50WV, ±100% -0% Ceramic	1	
C117	ECKD1H103PF	0.01μF, 50WV, ±100% -0% Ceramic	1	
C118	ECEA6V220V	220μF, 6.3WV, Electrolytic	1	
C119	ECEA35V4R7V	4.7μF, 35WV, Electrolytic	1	
C120	ECQM05473KZ	0.047μF, 50WV, ±10%, Polyester	1	
C121	ECQS1471JZ-K	470pF, 125WV, ±5%, Styrol	1	
C122	ECEA50ZR22	0.22μF, 50WV, Electrolytic	1	
C123	ECEA50VR47V	0.47μF, 50WV, Electrolytic	1	
C124	ECKD1H102PF	0.001μF, 50WV, ±100% -0% Ceramic	1	
C125	ECEA50MR22R	0.22μF, 50WV, Electrolytic	1	
C126	ECEA35V4R7V	4.7μF, 35WV, Electrolytic	1	
C127	ECQM05123JZ	0.012μF, 50WV, ±5%, Polyester	1	
C128	ECQM05123JZ	0.012μF, 50WV, ±5%, Polyester	1	
C129	ECEA50ZR33	0.33μF, 50WV, Electrolytic	1	
C130	ECEA50ZR33	0.33μF, 50WV, Electrolytic	1	
C131	ECEA16V47V	47μF, 16WV, Electrolytic	1	
C133	ECEA16V220V	220μF, 16WV, Electrolytic	1	
C134	ECKD1H103PF	0.01μF, 50WV, ±100% -0% Ceramic	1	
C135	ECKD1H103PF	0.01μF, 50WV, ±100% -0% Ceramic	1	
C136	ECEA16V47V	47μF, 16WV, Electrolytic	1	
C137	ECEA50V3R3V	3.3μF, 50WV, Electrolytic	1	
C138	ECEA50VR47V	0.47μF, 50WV, Electrolytic	1	
C139	ECQM05223KZ	0.022μF, 50WV, ±10%, Polyester	1	
C140	ECQM05223KZ	0.022μF, 50WV, ±10%, Polyester	1	
C141	ECCD1H010CC	1pF, 50WV, ±0.25pF, Ceramic	1	
C142	ECKD1H223PF	0.022μF, 50WV, ±100% -0% Ceramic	1	
C201	ECCD1H151K	150pF, 50WV, ±10%, Ceramic	1	
C202	ECCD1H151K	150pF, 50WV, ±10%, Ceramic	1	
C203	ECEA50M3R3R	3.3μF, 50WV, Electrolytic	1	
C204	ECEA50M3R3R	3.3μF, 50WV, Electrolytic	1	
C205	ECCD1H680K	68pF, 50WV, ±10%, Ceramic	1	
C206	ECCD1H680K	68pF, 50WV, ±10%, Ceramic	1	
C207	ECKD2H681KB	680pF, 500WV, ±10%, Cermaic	1	
C208	ECKD2H681KB	680pF, 500WV, ±10%, Ceramic	1	
C209	ECEA6V330V	330μF, 6.3WV, Electrolytic	1	
C210	ECEA6V330V	330μF, 6.3WV, Electrolytic	1	
C211	ECQF1183GZN	0.018μF, 125WV, ±2%, Polypropylene	1	○

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C212	ECQF1183GZN	0.018μF, 125WV, ±2%, Polypropylene	1	○
C213	ECQF1472GZN	0.0047μF, 125WV, ±2%, Polypropylene	1	○
C214	ECQF1472GZN	0.0047μF, 125WV, ±2%, Polypropylene	1	○
C215	ECEA50M1R	1μF, 50WV, Electrolytic	1	
C216	ECEA50M1R	1μF, 50WV, Electrolytic	1	
C217	ECEA50V220V	220μF, 50WV, Electrolytic	1	
C219	ECKD2H391KB	390pF, 500WV, ±10%, Ceramic	1	
C220	ECKD2H391KB	390pF, 500WV, ±10%, Ceramic	1	
C501	ECEA50MR68R	0.68μF, 50WV, Electrolytic	1	
C502	ECEA50MR68R	0.68μF, 50WV, Electrolytic	1	
C503	ECKD2H331KB	330pF, 500WV, ±10%, Ceramic	1	
C504	ECKD2H331KB	330pF, 500WV, ±10%, Ceramic	1	
C505	ECEA50M3R3R	3.3μF, 50WV, Electrolytic	1	
C506	ECEA50M3R3R	3.3μF, 50WV, Electrolytic	1	
C507	ECQM05223KZ	0.022μF, 50WV, ±10%, Polyester	1	
C508	ECQM05223KZ	0.022μF, 50WV, ±10%, Polyester	1	
C509	ECQM05223KZ	0.022μF, 50WV, ±10%, Polyester	1	
C510	ECQM05223KZ	0.022μF, 50WV, ±10%, Polyester	1	
C511	ECQM05222KZ	0.0022μF, 50WV, ±10%, Polyester	1	
C512	ECQM05222KZ	0.0022μF, 50WV, ±10%, Polyester	1	
C513	ECEA50MR68R	0.68μF, 50WV, Electrolytic	1	
C514	ECEA50MR68R	0.68μF, 50WV, Electrolytic	1	
C515	ECCD1H470K	47pF, 50WV, ±10%, Ceramic	1	
C516	ECCD1H470K	47pF, 50WV, ±10%, Ceramic	1	
C517	ECEA16V47V	47μF, 16WV, Electrolytic	1	
C518	ECEA16V47V	47μF, 16WV, Electrolytic	1	
C519	ECEA50M1R	1μF, 50WV, Electrolytic	1	
C520	ECEA50M1R	1μF, 50WV, Electrolytic	1	
C521	ECEA35V220V	220μF, 35WV, Electrolytic	1	
C601	ECEA50M1R	1μF, 50WV, Electrolytic	1	
C602	ECEA50M1R	1μF, 50WV, Electrolytic	1	
C603	ECEA16V47V	47μF, 16WV, Electrolytic	1	
C604	ECEA16V47V	47μF, 16WV, Electrolytic	1	
C607	ECCD2H270K	27pF, 500WV, ±10%, Ceramic	1	
C608	ECCD2H270K	27pF, 500WV, ±10%, Ceramic	1	
C609	ECKD2H101KB	100pF, 500WV, ±10%, Ceramic	1	
C610	ECKD2H101KB	100pF, 500WV, ±10%, Ceramic	1	
C611	ECKD1H103PF	0.01μF, 50WV, ±100% -0% Ceramic	1	
C612	ECKD1H103PF	0.01μF, 50WV, ±100% -0% Ceramic	1	
C617	ECCD1H010C	1pF, 50WV, ±0.25pF, Ceramic	1	
C618	ECCD1H010C	1pF, 50WV, ±0.25pF, Ceramic	1	
C619	ECEA50V100V	100μF, 50WV, Electrolytic	1	
C620	ECEA50V100V	100μF, 50WV, Electrolytic	1	
C621	ECEA63V100V	100μF, 63WV, Electrolytic	1	
C622	ECEA63V100V	100μF, 63WV, Electrolytic	1	
C623	ECEA63V100V	100μF, 63WV, Electrolytic	1	
C624	ECEA63V100V	100μF, 63WV, Electrolytic	1	
C625	ECEA25V33V	33μF, 25WV, Eelctrolytic	1	
C626	ECEA16N220V	220μF, 16WV, Non-Polar Electrolytic	1	
C627	ECEA16V47V	47μF, 16WV, Electrolytic	1	
C628	ECEA50Z2R2	2.2μF, 50WV, Electrolytic	1	
C629	ECKD1H103PF	0.01μF, 50WV, ±100% -0% Ceramic	1	
C631	ECQM05473KZ	0.047μF, 50WV, ±10%, Polyester	1	
C632	ECQM05473KZ	0.047μF, 50WV, ±10%, Polyester	1	
C633	ECEA63V100V	100μF, 63WV, Electrolytic	1	
C635	ECEA63V100V	100μF, 63WV, Electrolytic	1	
C637	ECCD2H150D	15pF, 500WV, ±0.5pF, Ceramic	1	

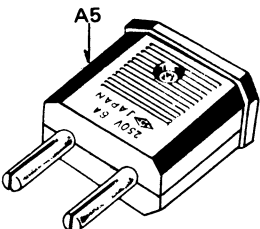
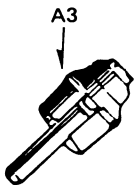
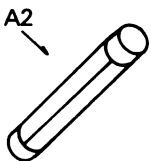
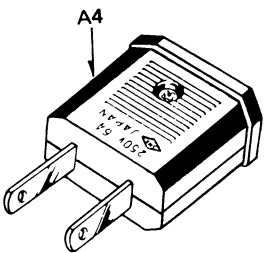
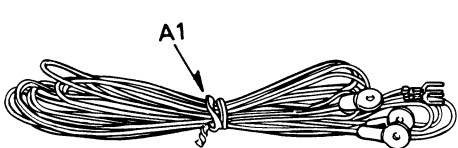
Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
C638	ECCD2H150D	15pF, 500WV, ±0.5pF, Ceramic	1	○ ○
C649	ECCD2H101K	100pF, 500WV, ±10%, Ceramic	1	
C650	ECCD2H101K	100pF, 500WV, ±10%, Ceramic	1	
C691	ECKD1H102MD	0.001μF, 50WV, ±20%, Ceramic	1	
C692	ECKD1H102MD	0.001μF, 50WV, ±20%, Ceramic (C691 and 692. Except Set for England)	1	
C693 [XE]	ECEA50V3R3V	3.3μF, 50WV, Electrolytic	1	
C703	ECET63R153Y	15000μF, 63WV, Electrolytic	1	
C704	ECET63R153Y	15000μF, 63WV, Electrolytic	1	
C707	ECKD2H103PF	0.01μF, 500WV, +100% -0% Ceramic	1	
C708	ECEA50V470V	470μF, 50WV, Electrolytic	1	
C709	ECKD2H103PF	0.01μF, 500WV, +100% -0% Ceramic	1	
C710	ECEA50V220V	220μF, 50WV, Electrolytic	1	
C711	ECEA35V100V	100μF, 35WV, Electrolytic	1	
C712	ECKD1H103PF	0.01μF, 50WV, +100% -0% Ceramic	1	
C713	ECKD1H103PF	0.01μF, 50WV, +100% -0% Ceramic	1	
C714	ECEA50V47V	47μF, 50WV, Electrolytic	1	
C715	ECEA35V470V	470μF, 35WV, Electrolytic	1	
C1001	ECQM05273KZ	0.027μF, 50WV, ±10%, Polyester	1	
C1002	ECQM05273KZ	0.027μF, 50WV, ±10%, Polyester	1	
C1003	ECQM05273KZ	0.027μF, 50WV, ±10%, Polyester	1	
C1004	ECQM05273KZ	0.027μF, 50WV, ±10%, Polyester	1	
C1005	ECQM05392KZ	0.0039 μF, 50WV, ±10%, Polyester	1	
C1006	ECQM05392KZ	0.0039 μF, 50WV, ±10%, Polyester	1	
C1007	ECEA50V1V	1μF, 50WV, Electrolytic	1	
VARIABLE CAPACITOR				
CV1, 2, 3, 4, 5 (CT1, 2, 3, 4, 5)	ECV5MD34X67G	Tuning Gang, FM & AM (with Trimmer)	1	
COMPONENT COMBINATIONS				
Z701, 702	RXAF103P22HD	0.01μF (X2), Hum Cancel	2	
LAMPS				
PL1	XAMP38S150A	Lamp, Stereo Indicator (6.3V 40mA)	1	
PL2, 3, 4	XAMR54T	Lamp, Dial & Meter (12.6V, 0.38A)	3	
FUSES				
F601, 602	XBA2C40SS0	4A Fuse, Speaker Circuit Protection	2	
F701 [X, XG, XGH, XSD, XSW]	XBA2C40TR0	4A. T Fuse, Except Set for [XE]	1	
F702, 704	XBA2C20TR0	2A. T Fuse, Power Source	2	
F703	XBA2C10TR0	1A. T Fuse, Power Source	1	
SWITCHES				
S1001	SSR33	Selector Switch	1	○
S1002 ~ S1004	SSH509S	Push Switches (Tape 1, 2, Mode, Muting & Loudness)	1	
S1008, 1009	SSH221S	Push Switches (High & Low Filters)	1	
S1010	ESB707S	Power Switch	1	
S1011, 1012	SSH223S	Speaker Switch, Main & Remote	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
S1013 [X, XG, XGH, XSD, XSW]	SSR53S	Voltage Selector Switch, Except Set for England [XE]	1	
S1013 [XE]	SSR53-1S	Voltage Selector Switch, Only Set for [XE]	1	
RELAY				
RLY601	SSY13	Relay, Speakers Protection	1	
METERS				
	SSM77	Meter, Signal	1	
	SSM79	Meter, Tuning	1	
CABINET and CHASSIS PARTS				
1	XTS3+8CFZ	Screw, Front Panel M'tg	2	
2	SGW7371	Panel, Front	1	○
3	SBN583	Knob, Tone, Volume, Balance, Selector	5	
4	SBN585-2	Knob, Tuning	1	○
5	XTB3+8BFZ	Screw, Chassis M'tg	23	
6	SHP641	Spacer, Front Panel	2	
7	SBC147	Button, Power Push Switch	1	
8	SGX6455	Sleeve, Push Switch Buttons	5	
9	SGU13	Glass Plate, Front Panel	1	
10	SBC149	Button, Push Switches	9	
11	SHG1339	Rubber Bushing, Push Switch Buttons	9	
12	XCJ6N11B-A	Jack, Headphones	1	
13	XNS8	Nut, Tone, Balance & Volume Control	4	
14	XWV8	Spring Washer, Tone, Balance & Volume	4	
15	XTV3+8C	Screw, Chassis M'tg	11	
16	XNS7	Nut, Selector Switch M'tg	1	
17	XNS9	Nut, Tuning Control M'tg	1	
18	XWV7	Spring Washer, Selector Switch	1	
19	XWV9	Spring Washer, Tuning Control	1	
20	SDT8007-1	Shaft, Tuning Control Ass'y	1	
	SDX751S	Flywheel, Tuning	1	
	XXAS3K5S	Screw, Flywheel M'tg	2	
21	SXE727	Shaft, Dial Cord Ass'y	1	
22	RDR20	Pulley, Dial Cord	4	
23	RNW150-2	Washer, Pulley Lock	4	
24	SUM7	Bracket, Dial Scale	1	
25	SGL51	Orange Filter, Stereo Indicator	1	
26	SDH351-1	Plate, Dial Light	1	○
27	RHG109	Rubber Cushion, Meter	2	
28	SMMA10-2	Bracket, Meter	1	
29	XTV3+6C	Screw, Meter Bracket M'tg	1	
30	SHRA916-1	Lock Pin, Dial Scale	2	
31	SKD2570	Scale, Dial	1	
32	SDZ6-1	Cord, Dial, 91 1/4" (230cm)	1 roll	
33	SDPA8	Pointer, Dial	1	
34	SHPA4	Paper, Pointer Slide	1	
35	SMP245	Reflection Board, Dial Light	1	
36	SJF109-2	Holder, Dial Light	3	
	XRP3X5	Rivet, Dial Light Holder M'tg	3	
37	SHRA2	Spacer, FM/AM Tuner P.C.B.	1	
38	SHRA307	Clamp, Lead Wire	4	
39	SDD47-1	Drum, Dial Cord	1	
40	SDSA4121	Spring, Dial Cord	1	
41	XWC3B	Toothed Ring, P.C.B. M'tg	3	
42	SMA209	Bracket, AM Antenna Coil	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
43	SXE715	Shaft, Dial Cord Ass'y	1	
44	SXE713	Shaft, Dial Cord Ass'y	1	
45	SHGA204	Rubber Bracket, Stereo Indicator	1	
46	SKU5750	Bottom Board	1	
47	SKL145	Foot, Set (with Lock Pin)	4	
48	SJF3015	Terminal, Input & Tape Deck	1	
	SJS6501	Socket, Tape Deck Connector (DIN)	1	
49 [XE]	SHR129	Bushing, AC Cord, Set for [XE]	1	
49 [X, XG, XGH, XSD, XSW]	SHR127	Bushing, AC Cord, Set for [X], [XG], [XGH], [XSD] & [XSW]	1	
50 [XE]	SGP330-2HE	Rear Panel, Set for [XE] (with Name plate SGT12511)	1	○
50 [X, XG, XGH]	SGP330-2H	Rear Panel, Set for [X], [XG] & [XGH]	1	○
50 [XSD, XSW]	SGP330-2HD	Rear Panel, Set for [XSD] & [XSW] (with Name Plate SGT12510)	1	○
51 [XE]	SJA99	AC Cord, Set for [XE] (Nothing AC Plug)	1	
51 [X, XG]	SJA97	AC Cord, Set for [X] & [XG]	1	
51 [XGH, XSD]	SJA81	AC Cord, Set for [XGH] & [XSD]	1	
51 [XSW]	SJA68	AC Cord, Set for [XSW]	1	
52	SUE3	Cover, Hole	1	
53	SJF205	Holder, Circuit Protection Fuse	1	
54	SJFA5202-1	Cover, Fuse Holder	1	
55	XSN26+12	Screw, Fuse Cover M'tg	1	
56	SHR401-1	Lock Pin, Terminal M'tg	12	
57	SJFA4803-1	Terminal, Speakers	1	
58	SJFA4402	Terminal, Antenna	1	
59	XTB4+12FFZ	Screw, Cabinet M'tg	4	
60	XWG5FZ	Washer, Cabinet Screw	4	
61 [XE]	SKA8590	Cabinet, Brown Wood, Set for [XE]	1	○
61 [X]	SKA8510	Cabinet, Brown Wood, Set for [X]	1	
61 [XG, XGH, XSD, XSW]	SKA8511	Cabinet, Black Wood, Set for [XG], [XGH], [XSD] & [XSW]	1	
62	SQXA4112	Caution Label, Cabinet Screw	1	
64	XTW3+8EFZ	Screw, Rear Panel M'tg	1	
ACCESSORIES				
A1	SSA251	Cord, 75Ω FM Antenna	1	
A2	XBA2C40SS0	4A Fuse, Speaker Circuit Protection	2	
A3	RJP5	Pin Plug	4	
A4 [X]	SJP5213	AC Plug, Only Set for [X]	1	
A5 [X]	SJP5215	AC Plug, Only Set for [X]	1	
PACKING PARTS				
P1	SPP487	Soft Cover	1	
P2	SPP465	Polyethylene Bag	1	
P3	SPS381-1	Pad, Left Side	1	
P4	SPS383-1	Pad, Right Side	1	
P5 [XE]	SPS497	Pad, Corner, Set for [XE]	4	
P5 [X]	SPS529	Pad, Corner, Set for [X]	4	
P5 [XG, XGH, XSD, XSW]	SPS533	Pad, Corner, Set for [XG], [XGH], [XSD] & [XSW]	4	
P6 [X]	SPS477	Pad, Bottom, Set for [X]	1	

Ref. No.	Part No.	Part Name & Description	Per Set	Remarks
P6 [XG, XGH, XSD, XSW]	SPS531	Pad, Bottom, Set for [XG], [XGH], [XSD] & [XSW] (Except Set for [XE])	1	○
P7 [X]	SPN5171	Carton Box, Inner, Only Set for [X]	1	○
P8 [X]	SPG725	Carton Box, Outer, Set for [X]	1	○
P8 [XE]	SPG733	Carton Box, Set for [XE]	1	○
P8 [XG, XGH, XSD, XSW]	SPG729	Carton Box, Set for [XG], [XGH], [XSD] & [XSW]	1	○
P9 [XE]	SQF1327	Printed Matter, Only Set for [XE]	1	○
P9 [X, XG, XGH, XSD, XSW]	SQF1281	Printed Matter, Set for [X], [XG], [XGH], [XSD] & [XSW]	1	○
Notes: Set for [X] are European, Asia, Latin America, Oceania, Middle East and Africa. Set for [XG] are European Set for [XGH] is Holland. Set for [XSD] are Denmark, Sweden, Norway and Finland. Set for [XSW] is Swiss Set for [XE] is England.				

ACCESSORIES



A4 & A5 Set for (X)

PACKINGS

