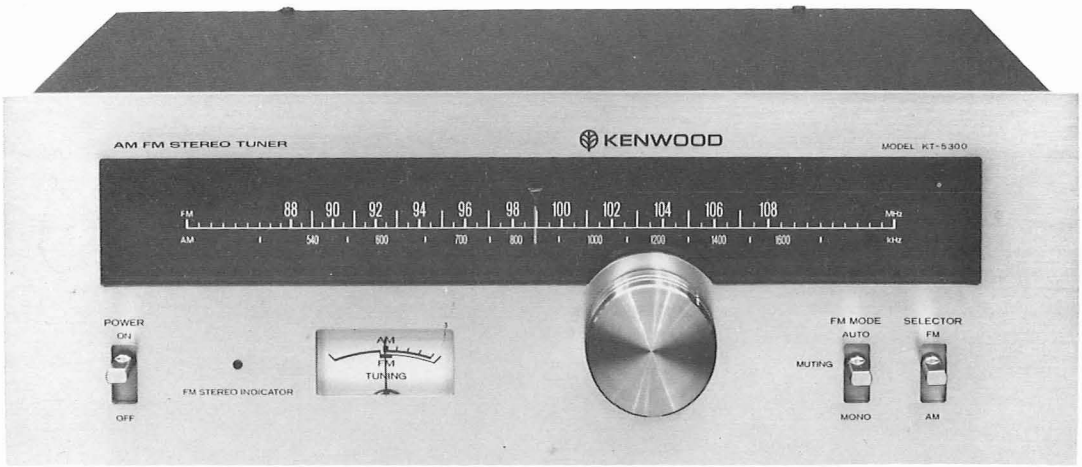
KENWOOD

HI/FI STEREO COMPONENTS

SERVICE MANUAL

KT-5300



AM-FM STEREO TUNER

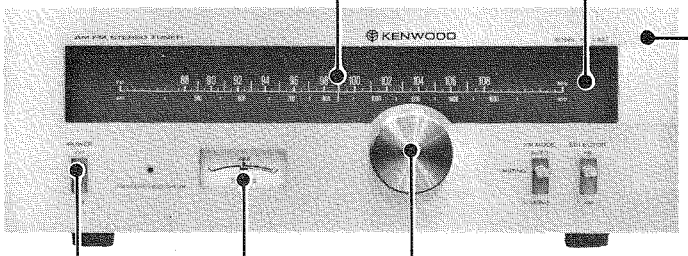
CONTENTS

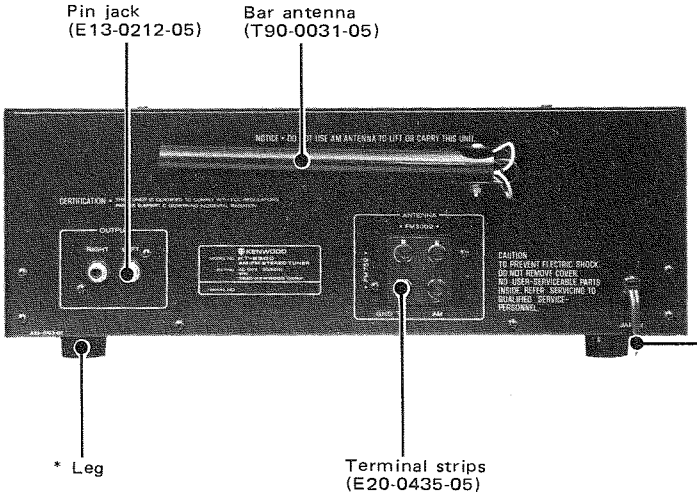
Note 1:
The products are subject to modification in components and circuits in different countries and regions. This manual provides information of modification based on the standard in the U.S. for the convenience of ordering associated components and parts.
We employ the following abbreviations of respective countries.

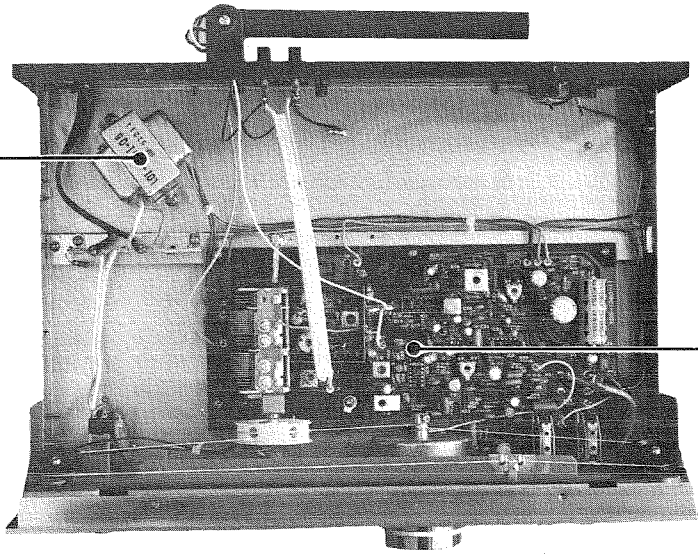
U.S.A.	K
Canada	P
PX	U
Australia	X
Europe & Scandinavia	E
England	T
South Africa	S
Other areas	M

Note 2:
Symbol ☆ and symbol ● in parts list mean the new parts and the parts not being kept in stock, respectively.

EXTERNAL & TOP VIEW





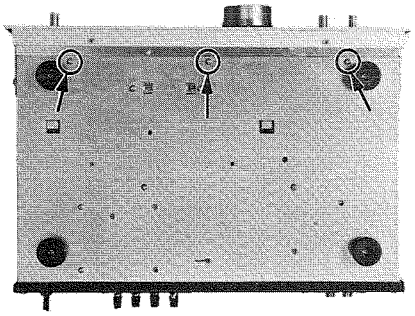


* Refer to DESTINATIONS' PARTS LIST.

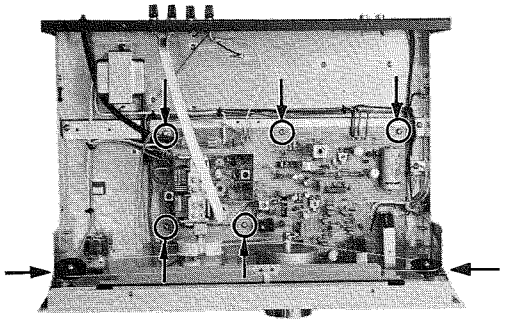
DISASSEMBLY/PACKING

DISASSEMBLY

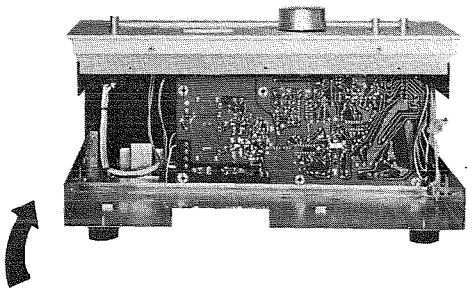
1. Remove the case.
2. Remove the screws (indicated by arrow).



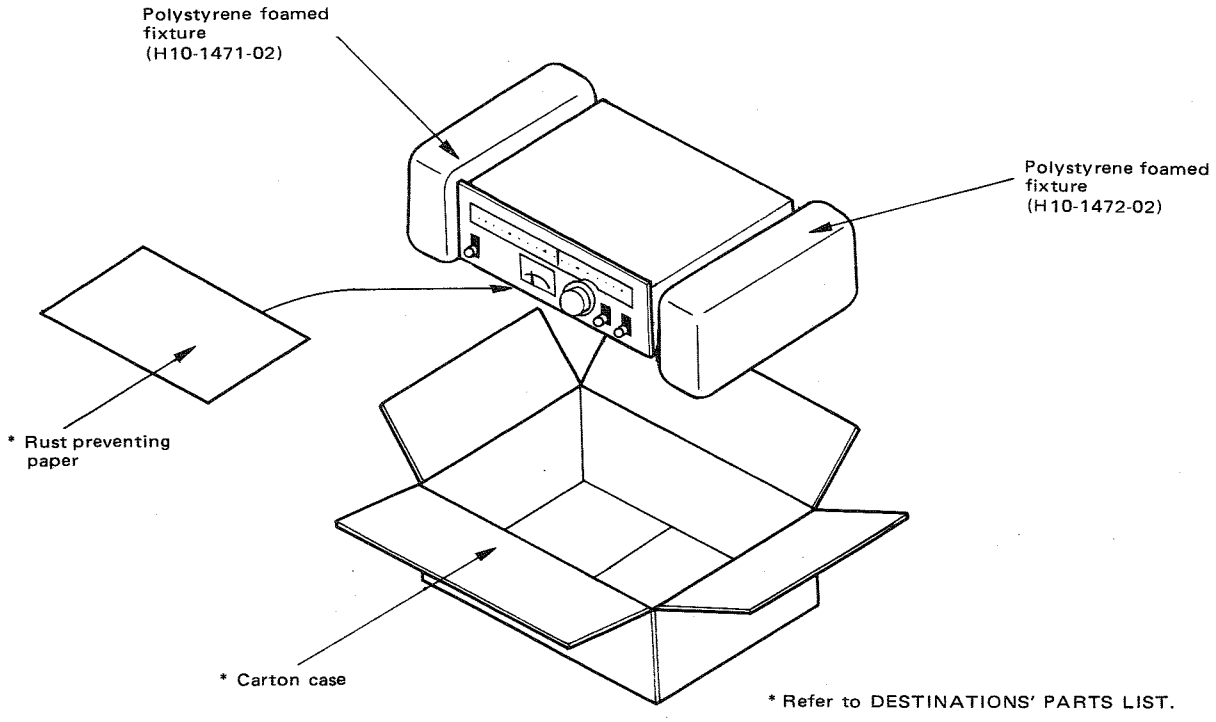
3. Remove the screws fixing the tuner unit to the chassis (indicated by arrow).
4. Remove the screws fixing the sub panel to the chassis.



5. Lift the panel as shown in the photogragh.



PACKING

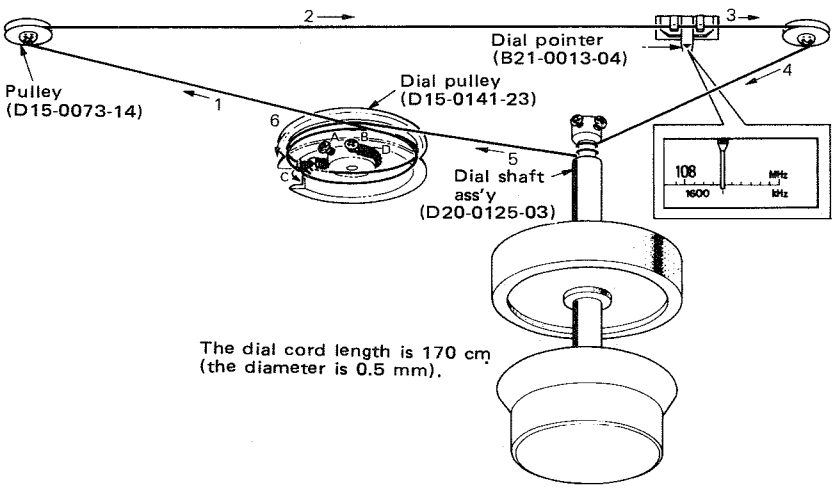


* Refer to DESTINATIONS' PARTS LIST.

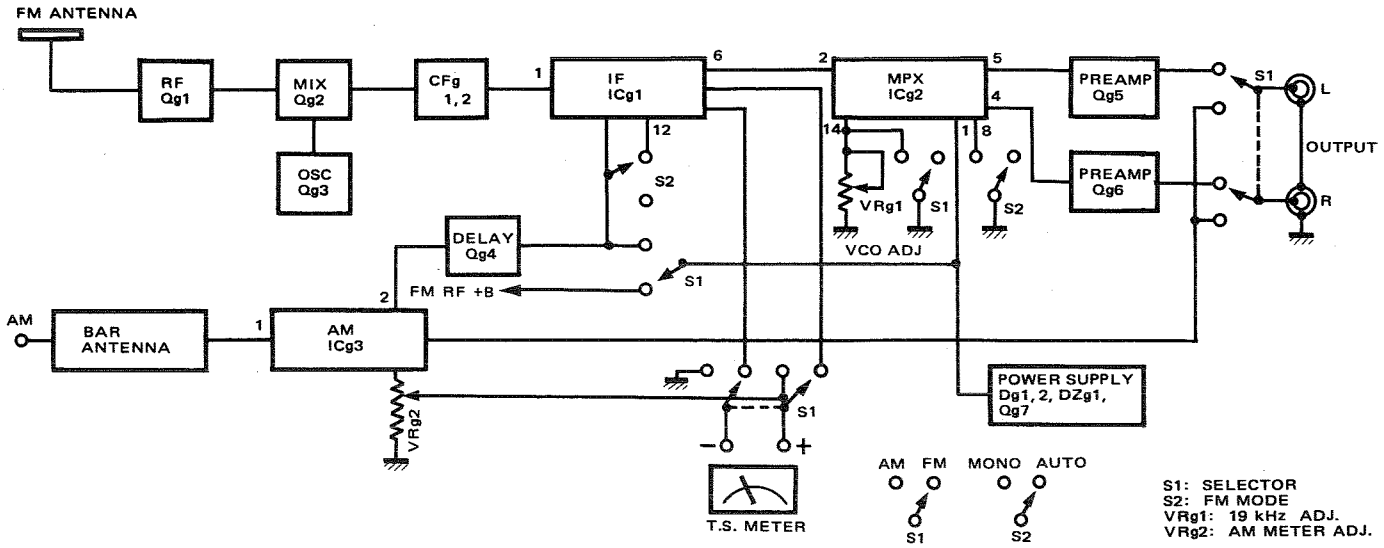
DIAL CORD STRINGING/BLOCK DIAGRAM

DIAL CORD STRINGING

1. Fully open the variable capacitor.
2. Fix the dial pulley to the shaft of the variable capacitor using 2 screws (A and B) as shown.
3. Tie the dial cord to the dial spring D leaving a 10 cm length part of it.
4. Hook the dial spring D on the boss C and wind it three quarters turn counterclockwise around the dial pulley.
5. Dress the dial cord in the direction of "1" through "4".
6. Wind the dial cord 2 turns around the dial shaft starting from its lower side, then dress it in the direction of "5" to "6".
7. Wind the dial cord one and a half turns around the dial pulley starting from its upper side and tie the end of it tightly with remaining a 10 cm dial cord.
8. Remove the dial spring D from the boss C.
9. Mount the dial pointer as shown in the illustration.



BLOCK DIAGRAM



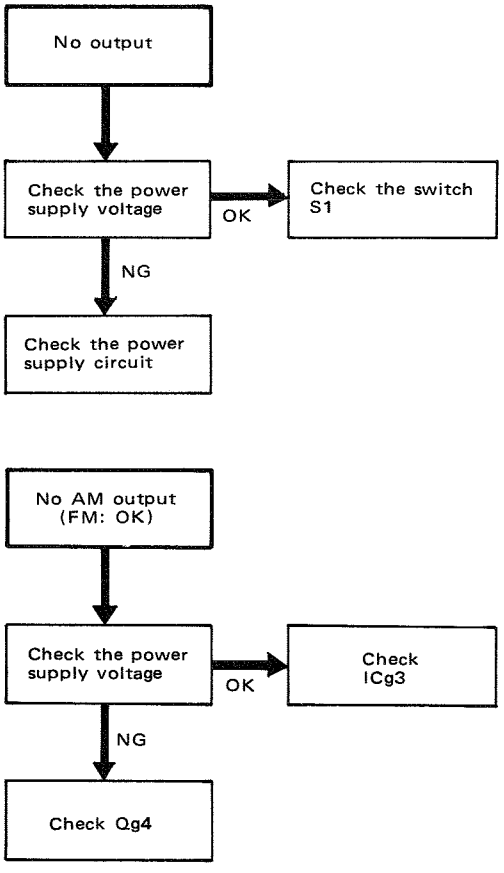
CIRCUIT DESCRIPTION/TROUBLESHOOTING

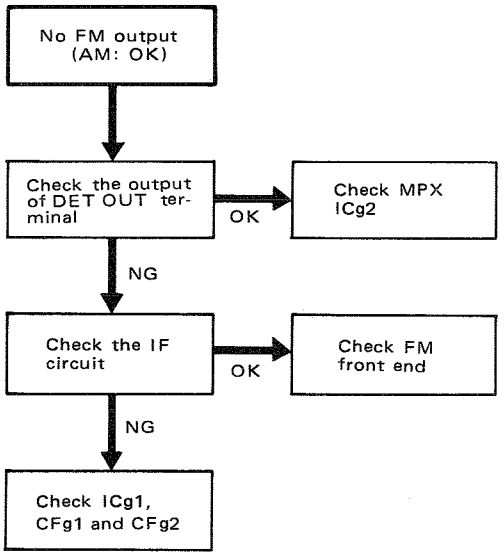
FM SECTION

FM front-end consists of RF, MIXER and OSC stage. Junction-type FET is employed in RF stage. IC with a built-in "Quadrature-type"detector and the four-element-phase-linear filters having excellent characteristic are employed in IF stage. Quadrature-type detector is one of the phase detector. The audio output is derived by multiplying the direct IF carrier to the IF carrier passed through the phase shifter (Tg5). IF carrier is laged by 90° in the phase shifter. The muting circuit is always in operation when FM MODE switch S2 is at "AUTO" position, therefore stereophonic broadcast is received as mono-phonic broadcast if the incoming broadcast carrier level is muting level (7 μV) or less, for the "AUTO" circuit operates automatically in its case. PLL MPX IC is used in MPX stage.

AM SECTION

IC with the built-in RF stage, OSC stage, S meter circuit and detector is employed. Qg4 operates to eliminate the shock noise which occurs when the SELECTOR switch S1 is changed the position "FM" to "AM". Qg4 is turned on to supply the power to AM circuit under the condition depending upon the time -constant of an RC network (Rg11 and Cg17).





ADJUSTMENTS

TEST EQUIPMENTS

RF signal generator . . . . . RF-SG
Oscilloscope . . . . . scope
Solid state volt meter . . . . . SSVM
FM stereo generator . . . . . MPX-SG
Frequency counter

NOTE

* Tuning dial is set to the proper point corresponding to no radio stations.
* RF-SG is set to the lowest response possible on oscilloscope.
* The output level of RF-SG is made a 6 dB drop by the dummy ant. The input level 60 dB means 66 dB on RF-SG.
* Repeat TRACKING adjustment several times and confirm the reception of broadcasting.
* Test point is shown in the schematic diagram.

No.	ALIGN	TEST EQUIPMENTS		TUNER SETTING	OUTPUT INDICATOR	ADJUSTMENT POINTS	REMARKS
		CONNECTION	SETTING				
FM SECTION							
1	IF	RF-SG to ANT terminal via dummy ant.	98 MHz 60 dB 1 kHz (Mod) 75 kHz (Dev)	98 MHz	SSVM & scope to output jack (L)	Tg4	Maximum deflection
2		–	–	–	T. S. meter	Tg5 (bottom)	Make the pointer position in the center of the meter
3		RF-SG to ANT terminal via dummy ant.	98 MHz (60 dB) 1 kHz (Mod) 75 kHz (Dev)	98 MHz	SSVM & scope to output jack (L)	Tg5 (top)	Maximum deflection & minimum distortion
4	TRACKING	Same	90 MHz 1 kHz (Mod) 75 kHz (Dev)	90 MHz	Same	Tg1 ~ 3	Maximum deflection
5			106 MHz 1 kHz (Mod) 75 kHz (Dev)	106 MHz		TCg1 ~ 3	
6a	MPX	–	–	–	Frequency counter to TP3	VRg1	Adjust VCO frequency to 19 kHz
6b		RF-SG to ANT terminal MPX-SG to RF-SG ext. Mod.	MPX-SG: SELECTOR→L+R 1 kHz (Mod) RF-SG: 98MHz 60 dB 68.25 kHz (Dev)	98 MHz	Scope to TP3		Make the wave form not to move if the pilot signal is switched on-off (Fig. 1)
AM SECTION							
1	IF	RF-SG to ANT terminal via dummy ant.	1000 kHz 400 Hz, 30% (Mod) 100 dB	1000 kHz	SSVM & scope to output jack (L)	Tg8	Maximum deflection
2	TRACKING	Same	600 kHz 400 Hz, 30% (Mod) 100 dB	600 kHz	Same	Tg6 Bar antenna	Same
3			1400 kHz 400 Hz, 30% (Mod) 100 dB	1400 kHz		TCg4, 5	
4	S METER	Same	1000 kHz 400 Hz, 30% (Mod) 100 dB	1000 kHz	T. S meter	VRg2	More than 90 percent deflection

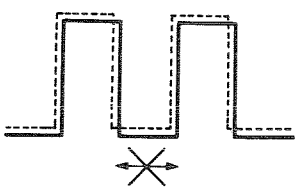


Fig. 1

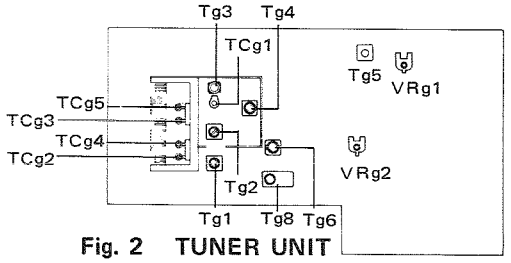


Fig. 2 TUNER UNIT

PARTS LIST

TOTAL

☆ : New parts, ● : The parts not being kept in stock.

Ref. No.	Parts No.	Description	Re-marks
		CAPACITOR	
C1	CK45D1H561M	Ceramic 560pF ±20%	
		SEMICONDUCTOR	
D1	V11-0404-05	LED GD-4-207RD	
		MISCELLANEOUS	
–	A01-0304-03	Case	☆
–	A10-0501-01	Chassis	● ☆
–	A13-0124-13	Frame (A)	●
–	A13-0125-04	Frame (B)	●
–	A22-0205-02	Sub panel	● ☆
–	A30-0102-03	Dial back board	
–			
–	B21-0013-14	Dial pointer	☆
–	B30-0109-05	Pilot lamp (8V 300mA) x 2	
–	B31-0251-05	T.S. meter	☆
–	B42-0009-04	Passed sticker	
–	B42-0473-14	Serial number seal	
–	D15-0073-14	Pulley x 2	
–	D15-0141-23	Dial pulley	
–	D20-0125-03	Dial shaft ass'y	
–	E13-0212-15	Pin jack (2P)	
–	E20-0435-05	Terminal strips (4P)	
–	E30-0505-05	Audio cord	
–	E30-0511-05	Connector socket with lead wire	
–	F14-0089-24	Douser rubber (back board) x 2	
–	F14-0090-14	Douser rubber (window frame)x2	
–	F14-0094-04	Douser rubber (meter)	
–	F99-0005-04	Slider	
–	G01-0045-24	Dial spring	
–	G11-0066-04	Douser rubber (both side)	
–	G11-0067-04	Douser rubber (window frame)	
–	H10-1471-02	Polystyrene foamed fixture	
–	H10-1472-02	Polystyrene foamed fixture	
–	H25-0048-03	Polyethylene bag (audio cord)	
–	H25-0078-00	Instruction bag	
–	J21-0586-04	Dial pointer holder	
–	J21-0806-24	Antenna holder	
–	J30-0121-04	Spacer	
–	J41-0034-05	Power cord bushing	
–	J42-0065-04	Lamp bushing	
–	J42-0071-04	Small bushing x 2	
–	J61-0045-05	Combex x 4	
–	K23-0250-04	Knob (tuning)	☆
–	K27-0039-04	Knob x 3	
–	N08-0125-05	Dress screw (8 mm)	
–	T90-0202-05	FM indoor antenna	
–	T90-0031-05	Bar antenna	

TUNER (X05-1360-11, -41, -62)

Ref. No.	Parts No.	Description	Re-marks
		CAPACITOR	
Cg1	CC45SL1H150K	Ceramic 15pF ±10%	
Cg2	CK45F1H103Z	Ceramic 0.01μF +80%,–20%	
Cg3	CC45SL1H150K	Ceramic 15pF ±10%	
Cg4	CC45SL1H070C	Ceramic 7pF ±0.25pF	
Cg5	CC45SL1H221K	Ceramic 220pF ±10%	
Cg7	CK45F1H223Z	Ceramic 0.022μF +80%,–20%	
Cg8	CK45F1H103Z	Ceramic 0.01μF +80%,–20%	
Cg9	CC45RG1H180K	Ceramic 18pF ± 10%	-11,-62
	CC45SG1H080D	Ceramic 8pF ± 0.5pF	-41
Cg10	CC45PG1H150K	Ceramic 15pF ± 10%	-11,-62
	CC45SG1H150K	Ceramic 15pF ± 10%	-41
Cg11	CC45SG1H220K	Ceramic 22pF ±10%	
Cg12	CC45SG1H470K	Ceramic 47pF ±10%	
Cg13	CC45TH1H020C	Ceramic 2pF ±0.25pF	
Cg14~16	CK45F1H103Z	Ceramic 0.01μF +80%,–20%	
Cg17	CE04W1C101	Electrolytic 100μF 16WV	
Cg18,19	CK45F1H103Z	Ceramic 0.01μF +80%,–20%	
Cg20	CE04W1H010	Electrolytic 1μF 50WV	
Cg21	CE04W1H3R3	Electrolytic 3.3μF 50WV	
Cg22	CC45SL1H101K	Ceramic 100pF ±10%	
Cg23	CK45B1H561K	Ceramic 560pF ±10%	
Cg24	CE04W1H3R3	Electrolytic 3.3μF 50WV	
Cg25	CK45F1H473Z	Ceramic 0.047μF +80%,–20%	
Cg26~28	CK45F1H103Z	Ceramic 0.01μF +80%,–20%	
Cg29	CQ93M1H473K	Mylar 0.047μF ±10%	
Cg30	CK45B1H681K	Ceramic 680pF ±10%	
Cg31	CS15E1VR22M	Tantalum 0.22μF 35WV	
Cg32	CS15E1VR47M	Tantalum 0.47μF 35WV	
Cg33	CQ08S1H471J	Polystyrene 470pF ±5%	
Cg34	CS15E1VR33M	Tantalum 0.33μF 35WV	
Cg35,36	CQ93M1H273J	Mylar 0.027μF ±5%	-11,-41
	CQ93M1H183J	Mylar 0.018μF ±5%	-62
Cg37	CQ93M1H332K	Mylar 0.0033μF ±10%	
Cg38	CC45SL1H391K	Ceramic 390pF ±10%	
Cg39	CQ93M1H332K	Mylar 0.0033μF ±10%	
Cg40	CC45SL1H391K	Ceramic 390pF ±10%	
Cg41,42	CQ93M1H152K	Mylar 0.0015μF ±10%	
Cg43,44	CQ93M1H104MMA	Mylar 0.1μF ±20%	
Cg45	CE02W1E102	Electrolytic 1000μF 25WV	
Cg46	CK45B1H471K	Ceramic 470pF ±10%	
Cg47	CE04W1C102	Electrolytic 1000μF 16WV	
Cg48	CE04W1C221	Electrolytic 220μF 16WV	
Cg50	CC45SL1H180K	Ceramic 18pF ±10%	
Cg51	CQ09S1H361J	Polystyrene 360pF ±5%	
Cg52	CK45F1H103Z	Ceramic 0.01μF +80%,–20%	
Cg54	CE04W1E100	Electrolytic 10μF 25WV	
Cg55	CC45SL1H150K	Ceramic 15pF ±10%	
Cg56	CK45F1H103Z	Ceramic 0.01μF +80%,–20%	
Cg57	CC45SL1H150K	Ceramic 15pF ±10%	
Cg58,59	CK45F1H103Z	Ceramic 0.01μF +80%,–20%	
Cg60	CE04W1E100	Electrolytic 10μF 25WV	
Cg61	CE04W1H010	Electrolytic 1μF 50WV	
Cg62	CK45F1H103Z	Ceramic 0.01μF +80%,–20%	
Cg63	CQ93M1H472K	Mylar 0.0047μF ±10%	
Cg64	CQ93M1H273K	Mylar 0.027μF ±10%	
Cg65	CC45SL1H470K	Ceramic 47pF ±10%	
Cg66	CQ93M1H102K	Mylar 0.001μF ±10%	
Cg67	CE04W1H010	Electrolytic 1μF 50WV	
Cg68	CE04W1C470	Electrolytic 47μF 16WV	
Cg69,70	CE04W0J 470	Electrolytic 47μF 6.3WV	
Cg71	CE04W1E100	Electrolytic 10μF 25WV	
Cg72,73	CK45F1H103Z	Ceramic 0.01μF +80%,–20%	

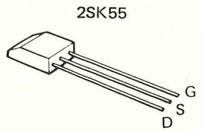
PARTS LIST

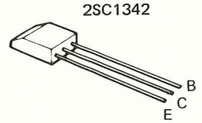
Ref. No.	Parts No.	Description	Remarks
		RESISTOR	
Rg1	PD14BY2E680J	Carbon 68Ω ±5% 1/4W	
Rg2	PD14CY2E223J	Carbon 22kΩ ±5% 1/4W	
Rg3	PD14CY2E472J	Carbon 4.7kΩ ±5% 1/4W	
Rg4	PD14CY2E102J	Carbon 1kΩ ±5% 1/4W	
Rg5, 6	PD14CY2E680J	Carbon 68Ω ±5% 1/4W	
Rg7	PD14CY2E122J	Carbon 1.2kΩ ±5% 1/4W	
Rg8	PD14CY2E103J	Carbon 10kΩ ±5% 1/4W	
Rg9	PD14CY2E153J	Carbon 15kΩ ±5% 1/4W	
Rg10	PD14CY2E102J	Carbon 1kΩ ±5% 1/4W	
Rg11	PD14BY2E103J	Carbon 10kΩ ±5% 1/4W	
Rg12	PD14BY2E331J	Carbon 330Ω ±5% 1/4W	
Rg13	PD14BY2E222J	Carbon 2.2kΩ ±5% 1/4W	
Rg14	PD14BY2E562J	Carbon 5.6kΩ ±5% 1/4W	
Rg15	PD14BY2E102J	Carbon 1kΩ ±5% 1/4W	
Rg16	PD14BY2E563J	Carbon 56kΩ ±5% 1/4W	
Rg18	PD14BY2E822J	Carbon 8.2kΩ ±5% 1/4W	
Rg19	PD14BY2E222J	Carbon 2.2kΩ ±5% 1/4W	
Rg20	PD14CY2E103J	Carbon 10kΩ ±5% 1/4W	
Rg21	PD14BY2E151J	Carbon 150Ω ±5% 1/4W	
Rg22	PD14BY2E104J	Carbon 100kΩ ±5% 1/4W	
Rg23	PD14BY2E163J	Carbon 16kΩ ±5% 1/4W	
Rg24	PD14BY2E102J	Carbon 1kΩ ±5% 1/4W	
Rg25	PD14BY2E562J	Carbon 5.6kΩ ±5% 1/4W	
Rg26	PD14CY2E104J	Carbon 100kΩ ±5% 1/4W	
Rg27,28	PD14BY2E272J	Carbon 2.7kΩ ±5% 1/4W	
Rg29	PD14BY2E102J	Carbon 1kΩ ±5% 1/4W	
Rg30,31	PD14BY2E103J	Carbon 10kΩ ±5% 1/4W	
Rg32	PD14BY2E122J	Carbon 1.2kΩ ±5% 1/4W	
Rg33,34	PD14BY2E103J	Carbon 10kΩ ±5% 1/4W	
Rg35	PD14BY2E122J	Carbon 1.2kΩ ±5% 1/4W	
Rg36,37	PD14BY2E562J	Carbon 5.6kΩ ±5% 1/4W	
Rg39	PD14BY2E561J	Carbon 560Ω ±5% 1/4W	
Rg40	PD14CY2E682J	Carbon 6.8kΩ ±5% 1/4W	
Rg41	PD14BY2E101J	Carbon 100Ω ±5% 1/4W	
Rg43	PD14BY2E562J	Carbon 5.6kΩ ±5% 1/4W	
Rg44~46	PD14BY2E103J	Carbon 10kΩ ±5% 1/4W	
Rg47~49	PD14BY2E824J	Carbon 820kΩ ±5% 1/4W	
Rg50	PD14BY2E222J	Carbon 2.2kΩ ±5% 1/4W	
Rg51	PD14BY2E561J	Carbon 560Ω ±5% 1/4W	
Rg52	PD14BY2E104J	Carbon 100kΩ ±5% 1/4W	
Rg53,54	PD14BY2E152J	Carbon 1.5kΩ ±5% 1/4W ICg2 = HA1156W (B)	
	PD14BY2E821J	Carbon 820Ω ±5% 1/4W ICg2 = HA1156W (C)	
Rg55	PD14BY2E122J	Carbon 1.2kΩ ±5% 1/4W	
		SEMICONDUCTOR	
Qg1	V09-0071-05	FET 2SK55 (D) or (E)	
Qg2	V03-0098-05	Transistor 2SC535 (B)	
Qg3	V03-0357-05	Transistor 2SC1342 (B)	
Qg4	V03-0270-05	Transistor 2SC945 (Q)	
Qg5, 6	V01-0146-05	Transistor 2SA640 (F)	
Qg7	V03-0373-05	Transistor 2SC1384 (Q)	
ICg1	V30-0133-05	IC HA1137W	
ICg2	V30-0099-05	IC HA1156W (B) or (C)	
ICg3	V03-0134-05	IC HA1151	
Dg1, 2	V11-0219-05	Diode V06B	
Dg3, 4	V11-0076-05	Diode 1S1555 or 1S2076	
DZg1	V11-0398-05	Zener diode EQA01-12S	
		COIL / FILTER / IFT	
Tg1	L31-0361-05	FM ANT coil	
Tg2	L31-0359-05	FM RF coil	
Tg3	L32-0187-05	FM OSC coil	-11,-62
	L32-0204-05	FM OSC coil	-41
Tg4	L30-0257-05	FM IFT	
Tg5	L30-0205-05	FM IFT	
Tg6	L32-0181-05	AM OSC coil	
Tg8	L72-0036-05	AM ceramic filter	

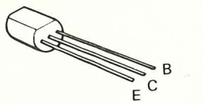
Ref. No.	Parts No.	Description	Remarks
Tg9	L30-0284-05	AM IFT	
Lg1	L40-1091-41	Inductor 1μH (K)	
Lg2	L40-1805-61	Inductor 18μH (J)	
Lg3	L40-1021-03	Inductor 1mH (K)	
Lg4, 6	L40-2291-41 or L40-2292-02	Inductor 2.2μH (K) Inductor 2.2μH (M)	
Lg7	L40-1092-03	Inductor 1μH (M)	
CFg1, 2	L72-0034-05	FM ceramic filter	
		POTENTIOMETER	
VRg1	R12-2016-05	PC trimmer 5kΩ (VCO)	
VRg2	R12-3028-05	PC trimmer 20kΩ (S-METER)	
		SWITCH	
S1	S33-6001-05	Lever (SELECTOR)	☆
S2	S31-2036-05	Lever (FM MODE)	
		MISCELLANEOUS	
—	C01-0185-05	Variable capacitor	
CTg1	C05-0055-05	Ceramic trimmer	
—	F10-0344-03	Shield plate	•
—	F11-0219-05	Shield case	•

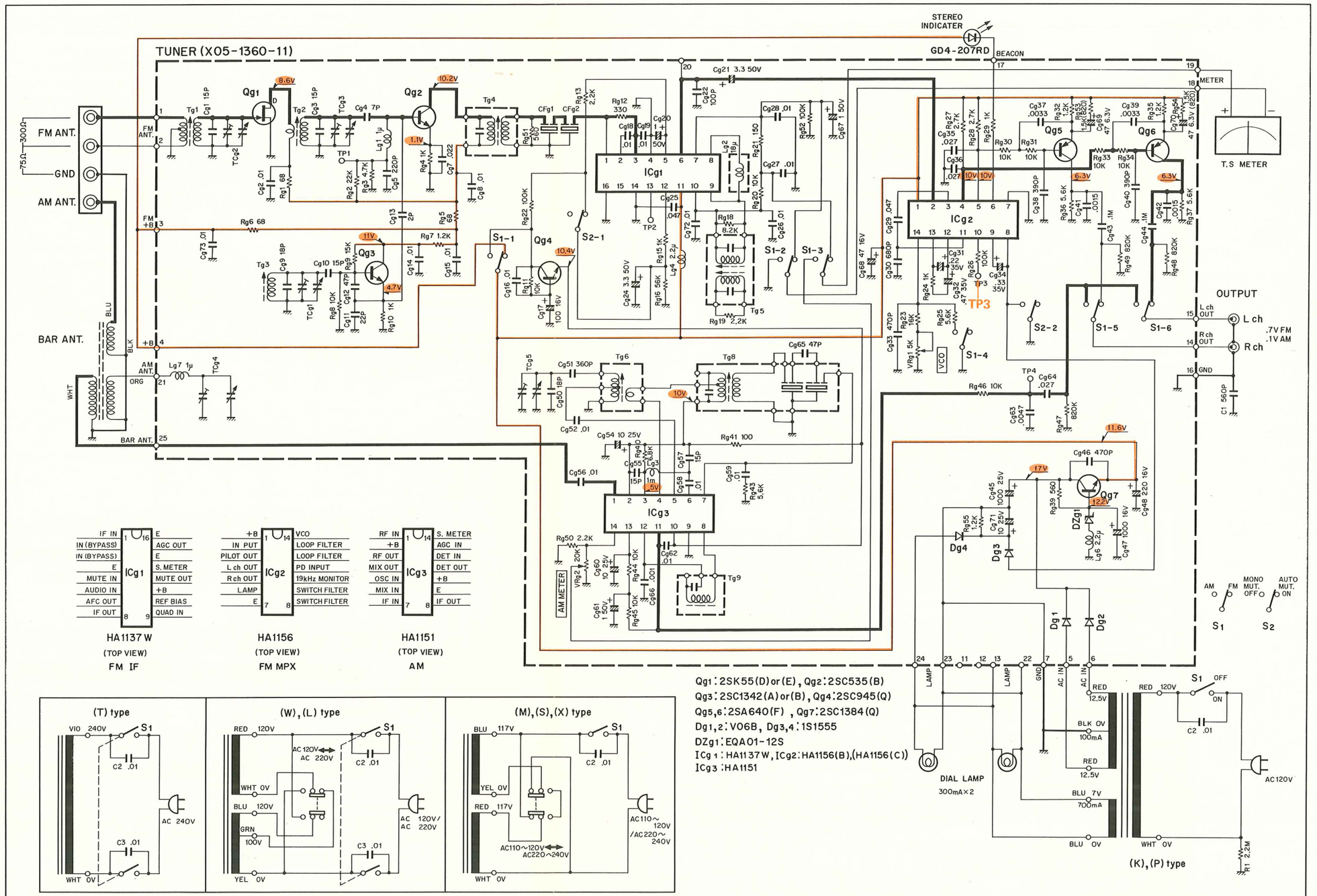
Ref. No.	U.S.A. (K)	Canada (P)	Australia (X)	Europe (W) & Scandinavia (L)	England (T)	South Africa (S)	Other area (M)	Description
C2	C91-0001-05	C91-0001-05	C91-0023-05	CK45E3D-103PMU	CK45E3D-103PMU	C91-0023-05	C91-0023-05	Ceramic capacitor .01 μF
C3	–	–	–	CK45E3D-103PMU	CK45E3D-103PMU	–	–	Ceramic capacitor .01 μF
R1	RC05GF2H-225K	RC05GF2H-225K	–	–	–	–	–	Carbon resistor 2.2MΩ ±10% 1/2W
–	A20-1092-02	A20-1092-02	A20-1092-02	A20-1092-02	A20-1093-02	A20-1092-02	A20-1092-02	Panel ass'y ☆
–	A20-1094-02	A20-1094-02	A20-1094-02	A20-1094-02	A20-1095-02	A20-1094-02	A20-1094-02	Panel ● ☆
–	A23-0703-02	A20-0703-02	A23-0704-02	A23-0706-02	A23-0705-02	A23-0704-02	A23-0704-02	Rear panel ● ☆
–	B20-0379-03	B20-0379-03	B20-0379-03	B20-0379-03	B20-0379-03	B20-0388-03	B20-0379-03	Dial calibrations
–	B41-0219-04	–	–	–	–	–	–	Caution sticker ●
–	–	–	–	B42-0024-04	–	–	–	SEV sticker ●
–	–	–	–	B42-0574-04	–	–	–	FTZ sticker ●
–	B46-0056-00	B46-0050-10	–	–	–	–	–	Warranty card
–	B50-1551-00	B50-1551-00	B50-1551-00	B50-1551-00	B50-1552-00	B50-1551-00	B50-1551-00	Instruction manual ☆
–	–	–	B58-0003-00	B58-0156-00	–	B58-0003-00	B58-0003-00	Power voltage selector caution card ●
–	–	–	B58-0101-00	B58-0157-00	–	B58-0101-00	B58-0101-00	Power voltage selector caution card ●
–	B58-0043-00	B58-0043-00	–	–	–	–	–	Carton case caution card ●
–	–	–	–	–	B58-0214-04	–	–	Caution card ●
–	–	–	D32-0075-04	D32-0075-04	–	D32-0075-04	D32-0075-04	Switch stopper
–	E30-0181-05	E30-0181-05	E30-0185-05	E30-0580-05 (W) E30-0292-05 (L)	040-0304-05	040-0304-05	E30-0515-05	Power cord
–	–	–	–	F09-0033-05 x 2	F09-0033-05 x 2	–	–	Capacitor cover
–	H01-1640-04	H01-1641-04	H01-1640-04	H01-1640-04	H01-1642-04	H01-1640-04	H01-1640-04	Carton case ☆
–	H20-0377-04	H20-0377-04	H20-0377-04	H20-0377-04	H20-0377-04	H20-0377-04	H20-0417-04	Protection cover
–	–	–	–	–	–	–	H40-0004-04	Rust preventing paper
–	J02-0073-04	J02-0049-14	J02-0049-14	J02-0049-14	J02-0049-14	J02-0049-14	J02-0049-14	Leg x 4
–	J41-0034-05	J41-0034-05	J41-0024-15	J41-0033-15	J41-0024-15	J41-0024-15	J41-0033-05	Power cord bushing
–	–	–	–	J61-0038-05	J61-0038-05	J61-0038-05	–	Cord band
–	L01-1201-05	L01-1201-05	L01-1205-05	L01-1202-05	L01-1207-05	L01-1205-05	L01-1205-05	Power transformer
S1	S39-1021-05	S39-1021-05	S33-2008-05	S39-1022-05	S39-1022-05	S33-2008-05	S33-2008-05	Slide switch (Power)
–	–	–	S31-2001-05	S31-2001-05	–	S31-2001-05	S31-2001-05	Slide switch (Power voltage selector)
–	X05-1360-11	X05-1360-11	X05-1360-62	X05-1360-62	X05-1360-62	X05-1360-41	X05-1360-11	Tuner unit

SCHEMATIC DIAGRAM





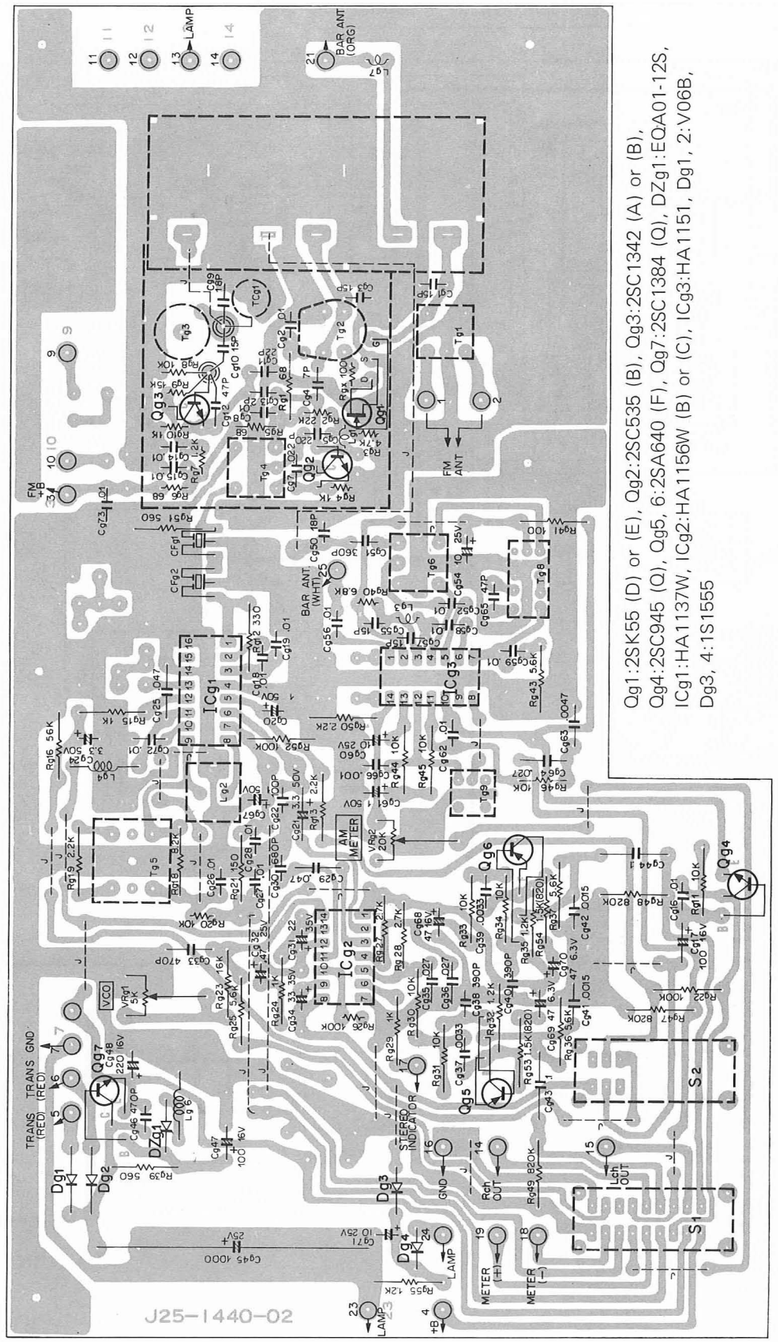




SEMICONDUCTOR NAME	SUBSTITUTIONS
2SA640 (F)	2SA620WL4, 5
2SC535 (B)	2SC381 (O), (R)
2SC945 (Q)	2SC458 (C)
2SC1342 (A), (B)	2SC785 (R)
2SC1384 (Q)	2SC1212A
2SK55 (D), (E)	2SK19 (Y)
HA1137W	—
HA1151	—
HA1156W	—

PC BOARD

▼ TUNER (X05-1360-11)



Qg1:2SK55 (D) or (E), Qg2:2SC535 (B), Qg3:2SC1342 (A) or (B),
Qg4:2SC945 (Q), Qg5, 6:2SA640 (F), Qg7:2SC1384 (Q), DZg1:EQA01-12S,
ICg1:HA1137W, ICg2:HA1156W (B) or (C), ICg3:HA1151, Dg1, 2:V06B,
Dg3, 4:1S1555

SPECIFICATIONS

FM TUNER SECTION

Frequency Range	88 MHz to 108 MHz
Antenna Impedance	300 ohms balanced and 75 ohms unbalanced
Usable Sensitivity	1.9 μV
50 dB Quieting	5 μV
56 dB Quieting	10 μV
65 dB Quieting	50 μV
Harmonic Distortion	0.2% (MONO)
(at 400 Hz 100% Mod)	0.4% (STEREO)
Signal to Noise Ratio	70 dB (MONO)
(at 1mV Input 100% Mod)	65 dB (STEREO)
Capture Ratio	1.0 dB
Selectivity (IHF ALT Channel)	60 dB
Image Rejection	60 dB
IF Rejection	90 dB
AM Suppression	50 dB
Spurious Signal Rejection	75 dB
Stereo Separation 400 Hz	30 dB
50 Hz ~ 10 kHz	30 dB
Sub Carrier Suppression	40 dB
Frequency Response	+0.2 dB, –2.0 dB
30 ~ 15,000 Hz	

AM TUNER SECTION

Frequency Range	525 kHz ~ 1605 kHz
Usable Sensitivity (IHF)	20 μV
Harmonic Distortion	0.9%
Image Rejection	45 dB
Signal to Noise Ratio	50 dB
(at 1mV Input 30% Mod)	
Selectivity (IHF ALT Channel)	35 dB

OUTPUT VOLTAGE AND IMPEDANCE

FM (at 400 Hz 100% Mod)	0.7V	5.6 kΩ
AM (at 400 Hz 30% Mod)	0.15V	5.6 kΩ

GENERAL

Power Consumption	10 W
Dimensions	W 14-15/16" (380 mm)
	H 5-1/2" (140 mm)
	D 10-1/32" (255 mm)
Weight (Net)	11.6 lbs. (5.3 kg)

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TRIO-KENWOOD CORPORATION

- 3-6-17 AOBADAI, MEGURO-KU, TOKYO, JAPAN.