

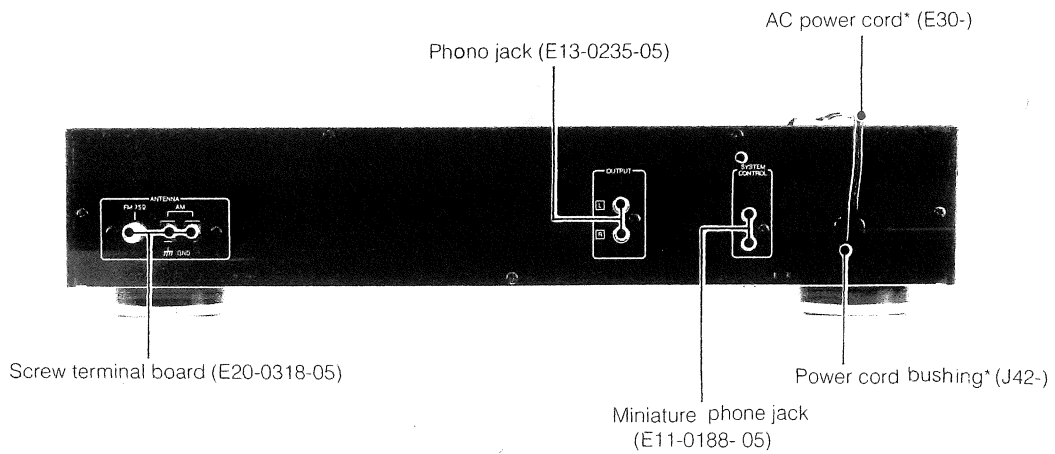
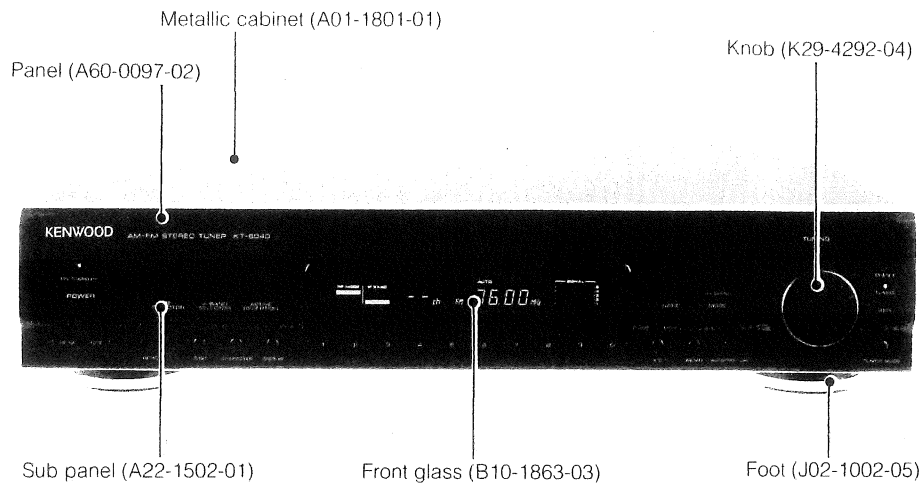
AM-FM STEREO TUNER

KT-6040

SERVICE MANUAL

KENWOOD

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B51-4420-00 (J) 1882



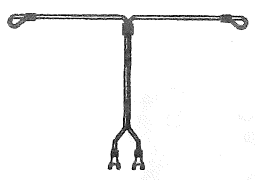
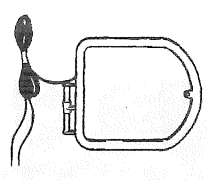
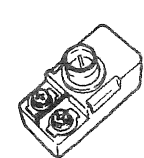
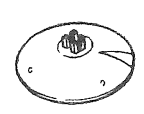


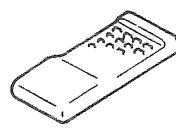

*Refer to Parts List on page 23 .

KT-6040

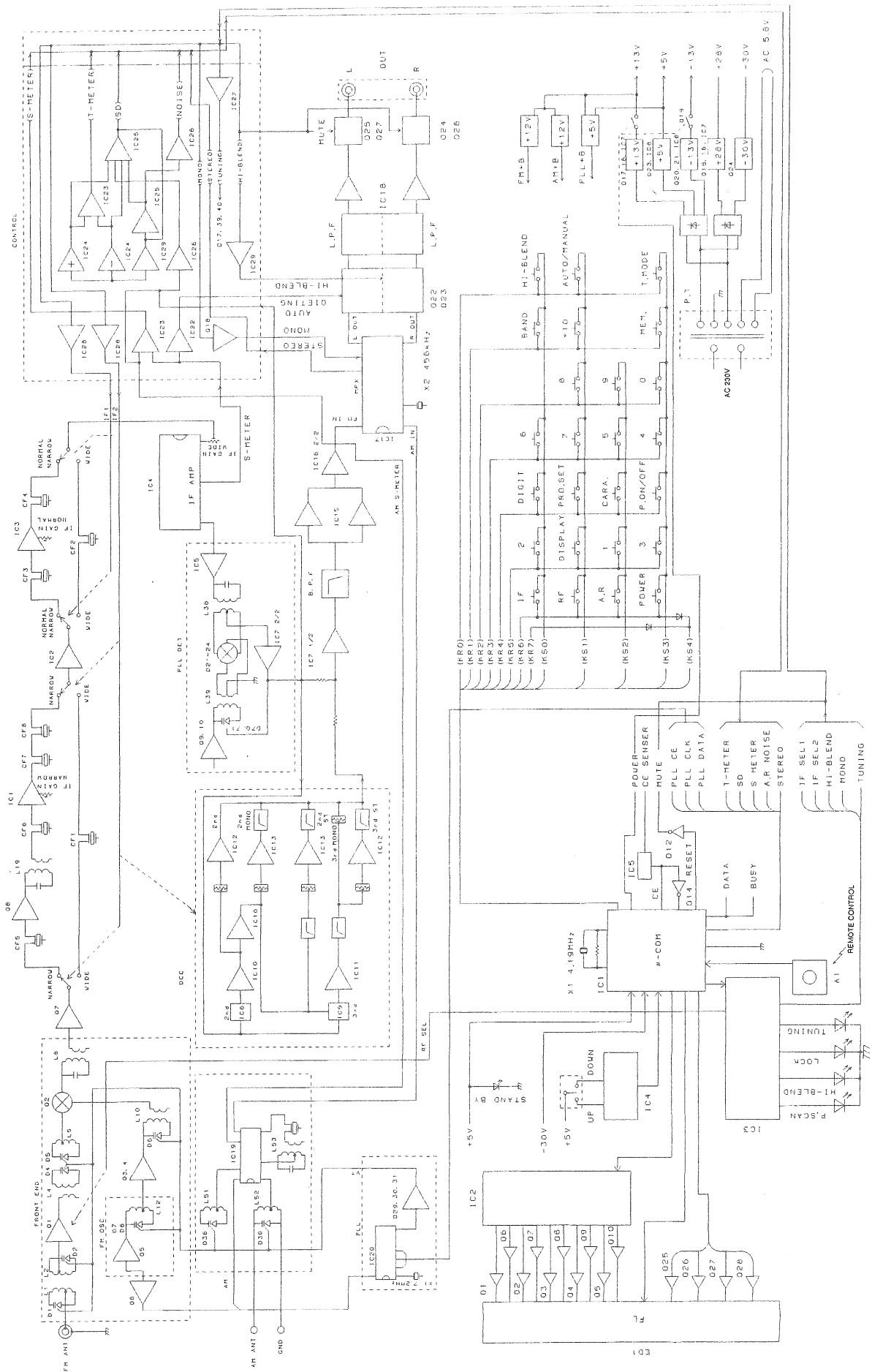
CONTENTS

ACCESSORIES	2	2. LA3450 (X05 :IC17) FM MPX.....	8
BLOCK DIAGRAM	3	ADJUSTMENT	9
CIRCUIT DESCRIPTION		PC BOARD (Component side view).....	11
1. CXP50112-344Q (X13 :IC1) Microprocessor	5	CIRCUIT DIAGRAM.....	15
1.1 Terminal connection diagram	5	WIRING DIAGRAM.....	21
1.2 Initial status setting (reset).....	6	EXPLODED VIEW	22
1.3 Test mode	7	PARTS LIST	23
1.4 Function of diodes and switches.....	7	SPECIFICATIONS.....	Back cover

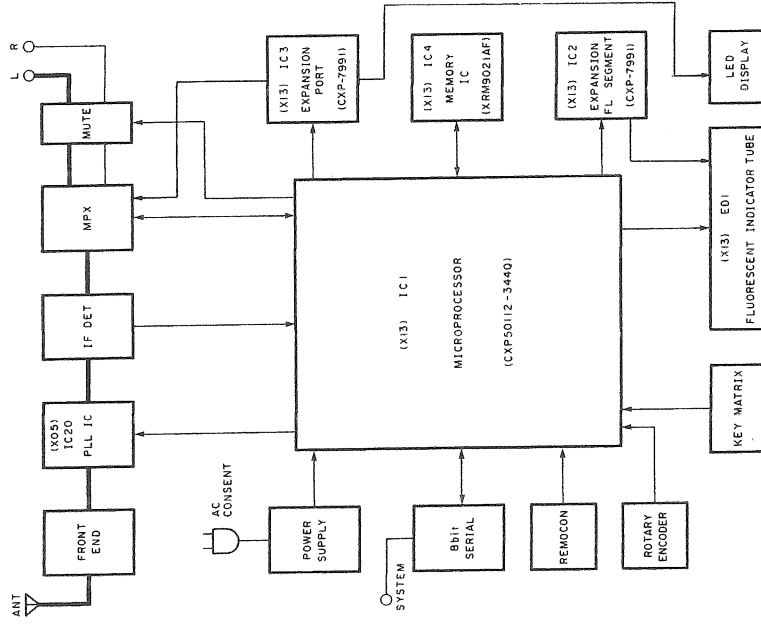
ACCESSORIES

<p>FM indoor antenna..... 1</p>  <p>(T90-0176-05)</p>	<p>AM loop antenna 1</p>  <p>(T90-0173-05)</p>	<p>75 ohm/300 ohm antenna adaptor 1</p>  <p>(T90-0136-05)</p>
<p>Loop antenna holder 1</p>  <p>(J19-2815-04)</p>	<p>System control cord..... 1</p>  <p>(E30-0977-05)</p>	<p>Audio cord..... 1</p>  <p>(E30-0505-05)</p>
<p>Remote control unit..... 1</p>  <p>Batteries</p> <p>P, M type (A70-0542-05) X type (A70-0563-05)</p>	<p>("R03" or "AAA")..... 2</p> 	

KT-6040 KT-6040 BLOCK DIAGRAM



CIRCUIT DESCRIPTION



1.2 Initial status setting (reset)

(1) Method of setting
While pressing the MEMO key, and plug the power cable into an outlet.

(2) Contents

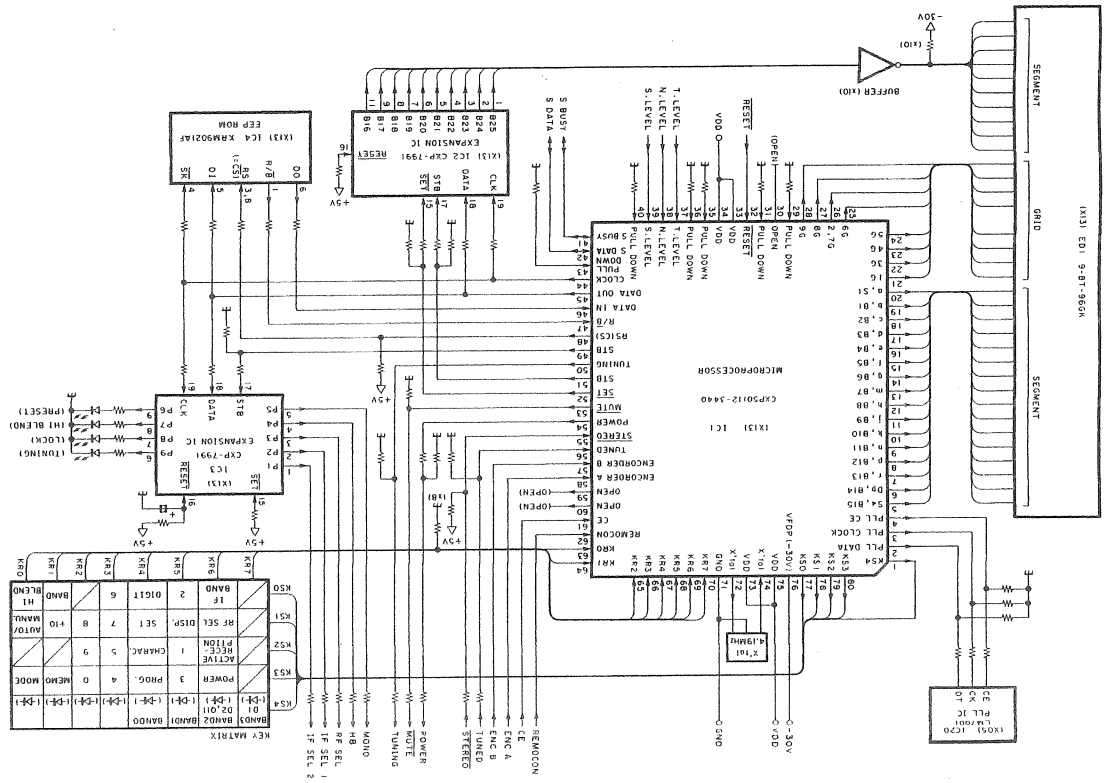
- ① POWER : Low/(OFF)
- ② MUTE : Low/(ON)
- ③ Forced MONO : OFF
- ④ High BLEND : Low/(OFF)
- ⑤ RF SEL : Low/(DISTANCE)
- ⑥ IF SEL 1 : Low
- ⑦ IF SEL 2 : Low/(WIDE)
- ⑧ TUNING : Low
- ⑨ FL display : All off
- ⑩ LED display : STANDBY display is lit up

- Ⓜ State : • RAM state = All clear
- Tuning mode = AUTO
- P. ch memory = Test frequency
- Last band = FM
- Last frequency = Lowermost limit of each band.
- Last P. ch = 「—」ch」
- Display mode = Frequency display
- Encoder mode = TUNING

CIRCUIT DESCRIPTION

1. CXP50112-344Q (X13 :IC1) Microprocessor IC

1.1 Terminal connection diagram



CIRCUIT DESCRIPTION

1.3 Test mode

(1) Method of setting

While holding the TUNING MODE key depressed, plug the AC power cord to the power outlet.

(2) Display of test mode

When the test mode is set, all FL tubes are lit up. The FL tubes are kept lit until there is a key entry which results in a change of the FL frequency display.

(3) Operations in test mode

The operations are basically the same as in normal operation modes. Only difference lies in the processing accompanying the + 10 key and 0 key (numeric keys).

Namely, the preset channel definition method using the + 10 key and numeric keys is different in the test mode. The preset channels are divided into four groups as shown below.

{ 01ch ~ 10ch / 0 - ch / - - ch } : Group 1
 { 11ch ~ 20ch / 1 - ch } : Group 2

{ 21ch ~ 30ch / 2 - ch } : Group 3

{ 31ch ~ 39ch / 3 - ch } : Group 4

When the current channel is in group 1, the 1 to 9 keys represent "01 ch" to "09 ch", and the 0 key represent "10 ch". Change from group 1 to another group does not occur until the + 10 key is pressed.

Pressing the + 10 key allows to change the group. When it is pressed while the current group is group 1, the display changes to "1- ch" and the current group changed to group 2. Pressing the key while the current group is group 2 changes it to group 3 ("2- ch" display), pressing the key while the current group is group 3 changes it to group 4 ("3- ch" display), and pressing the key while the current group is group 4 changes it to group 1 ("0- ch" display).

(4) Method of canceling

Unplug the AC power cord.

1.4 Function of diodes and switches

Type	Diode SW				Band	Receiving frequency range	Inter channel space	IF	RF
	3	2	1	0					
J	1	0	0	0	FM	76.0 MHz ~ 90.0 MHz	100 kHz	-10.7 MHz	25 kHz
					AM	531 kHz ~ 1602 kHz	9 kHz	+450 kHz	9 kHz
P, M ₁	0	1	0	0	FM	87.5 MHz ~ 108.0 MHz	100 kHz	+10.7 MHz	25 kHz
					AM	530 kHz ~ 1610 kHz	10 kHz	+450 kHz	10 kHz
K	0	1	1	0	FM	87.5 MHz ~ 108.0 MHz	100 kHz	+10.7 MHz	25 kHz
					AM	530 kHz ~ 1700 kHz	10 kHz	+450 kHz	10 kHz
X, T E, M ₂	0	0	0	0	FM	87.5 MHz ~ 108.0 MHz	25 kHz	+10.7 MHz	25 kHz
							50 kHz		
							100 kHz		
AM	531 kHz ~ 1602 kHz	9 kHz	+450 kHz	9 kHz					

0: Without diode 1: With diode

DIODE SW 0 → Preset memory mode

0 : 3 memories (Band, frequency and character)

1 : 6 memories (Band, frequency, character, IF, RF and MONO/ST)

DIODE SW 1 → 0 : AM NARROW

1 : AM WIDE

DIODE SW 2 → M type is modified into type

M₁ or M₂ by replacing with CHANNEL SPACE SW.

0 : FM 25kHz/step, AM 9kHz/step

1 : FM 100kHz/step, AM 10kHz/step

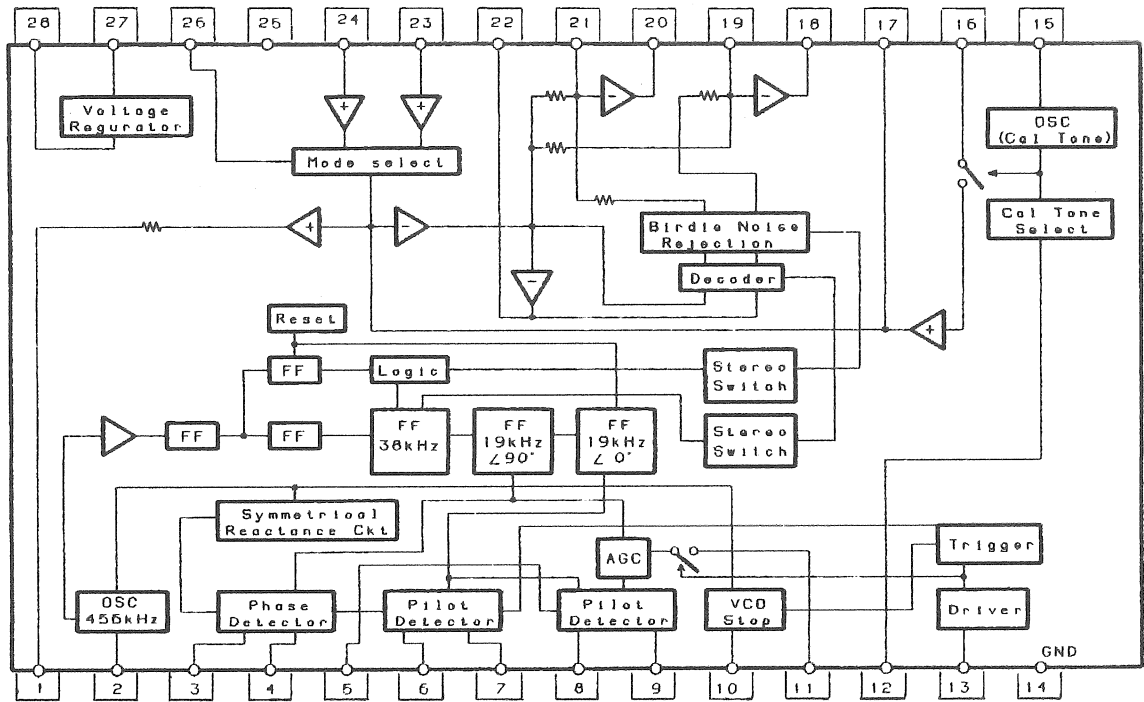
DIODE SW 3 → 0 : P, M, X, T and E type

KT-6040



CIRCUIT DESCRIPTION

2. LA3450 (X05 : IC17) FM MPX

Block diagram



Terminal description

Pin No.	Voltage	Pin name	Remarks
1	5.7 V	Composite amplifier output	Output resistor 1k Ω
2	-	OSC	 4.3 V f = 456 kHz 2.3 V
3, 4	2.6 V	Loop filter	
5	2.6 V	PLL input	
6, 7	2.6 V	Pilot synchronism detector filter	
8, 9	2.6 V	Pilot synchronism detector filter	For pilot cancel
10	-	VCO stop	Input resistor 120k Ω
11	-	Pilot cancel	Chopping wave output
12	3.8 V	Cal tone control	
13	-	Stereo indicator	Open collector
14	0	GND	
15	-	Cal tone oscillate output	 2.8 V 1.2 V f = 400 Hz
16	5.7 V	Cal tone input	
17	5.7 V	Pilot cancel input	
18	5.7 V	Post amplifier output	Lch output
19	5.7 V	Post amplifier input	Lch input, (-) input
20	5.7 V	Post amplifier output	Rch output
21	5.7 V	Post amplifier input	Rch input, (-) input
22	5.7 V	Separation adjustment	
23	5.7 V	AM input	Input resistor 20k Ω
24	5.7 V	FM input	Input resistor 20k Ω
25	0	SIGNAL GND	
26	-	AM/FM select	Input resistor 120k Ω
27	5.7 V	Vref	Reference voltage
28	Vcc	Power supply	

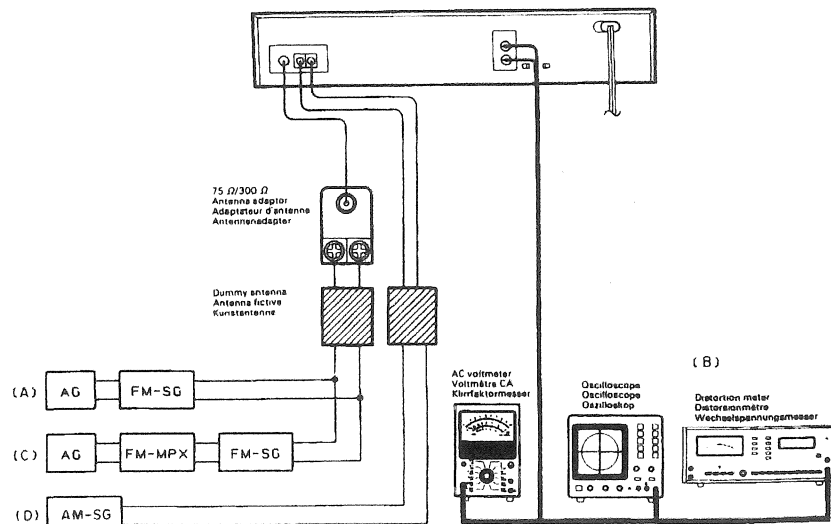
ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION Unless otherwise specified, the individual switches should be set as following: SELECTOR:FM IF BAND:WIDE RF SELECTOR:DISTANCE A.R.:OFF TUNING MODE:AUTO PROGRAM:OFF							
1	V _T (1)	-	Connect a DC voltmeter between TP11(VT) and TP12.	87.5MHz	L12 (X05-)	3.0V	(a)
2	V _T (2)	-	Connect a DC voltmeter between TP11(VT) and TP12.	108.0MHz	TC1 (X05-)	25.0V	(a)
Repeat alignments 1 and 2 several times.							
3	VCO DETECTOR	(A) 98.0MHz Dev.ON(±75kHz)-OFF 100dBμ(Ant input)	Connect a DC voltmeter and an oscilloscope between TP4(DET OUT) and GND.	98.0MHz	L39 (X05-)	Turn the core to confirm an outout with dev.ON(±75kHz), then adjust the voltage to 0V±10mV with dev.OFF.	(b)
4	SENSITIVITY (1)	(A) 98.0MHz 1kHz,±75kHz dev	(B)	98.0MHz	★ L1,2,4,5,10 (X05-)	Maximum amplitude and symmetry of the oscilloscope display.	
★ Repeat the sequence from L1→L2→L4→L5→L10→L1→..... a few times.							
5	SENSITIVITY (2)	(A) 98.0MHz 1kHz,±75kHz dev	(B)	98.0MHz	L8 (X05-)	Maximum amplitude and symmetry of the oscilloscope display.	
6	AUTO-STOP SENSITIVITY (1)	(A) 98.0MHz 1kHz,±75kHz dev * 12dBμ(Ant input)	-	98.0MHz IF BAND: WIDE	VR1 (X05-)	Position where the 1st.point indicator lights when the control is rotated gradually counterclockwise from the most.	
7	AUTO-STOP SENSITIVITY (2)	(A) 98.0MHz 1kHz,±75kHz dev * 12dBμ(Ant input)	-	98.0MHz IF BAND: NORMAL	VR2 (X05-)	Position where the 1st.point indicator lights when the control is rotated gradually clockwise from the most.	
8	AUTO-STOP SENSITIVITY (3)	(A) 98.0MHz 1kHz,±75kHz dev * 12dBμ(Ant input)	-	98.0MHz IF BAND: NARROW	VR3 (X05-)	Position where the 1st.point indicator lights when the control is rotated gradually clockwise from the most.	
9	DISTORTION(1) MONO	(C) 98.0MHz SELECTOR: MONO 1kHz,±75kHz dev * 80dBμ(Ant input)	(B)	98.0MHz IF BAND: WIDE	VR4(DET) VR5(2nd) VR6(3rd) (X05-)	Minimum distortion.	
10	DISTORTION(2) MONO	(C) 98.0MHz SELECTOR: MONO 1kHz,±75kHz dev * 80dBμ(Ant input)	(B)	98.0MHz IF BAND: NORMAL	VR9(2nd) VR10(3rd) (X05-)	Minimum distortion.	
*X,T and E types:1kHz,±40kHz dev							
11	DISTORTION(3) STEREO	(C) 98.0MHz SELECTOR: L-R 1kHz,±68.25kHz dev Pilot:±6.75kHz dev 80dBμ(Ant input)	(B)	98.0MHz IF BAND: WIDE	VR7(2nd) (X05-)	Minimum distortion.	
12	DISTORTION(4) STEREO	(C) 98.0MHz SELECTOR: L-R 1kHz,±68.25kHz dev Pilot:±6.75kHz dev 80dBμ(Ant input)	(B)	98.0MHz IF BAND: WIDE	VR8(3rd) (X05-)	Minimum distortion.	
13	DISTORTION(5) STEREO	(C) 98.0MHz SELECTOR: L-R 1kHz,±68.25kHz dev Pilot:±6.75kHz dev 80dBμ(Ant input)	(B)	98.0MHz IF BAND: NORMAL	VR11(2nd) (X05-)	Minimum distortion.	

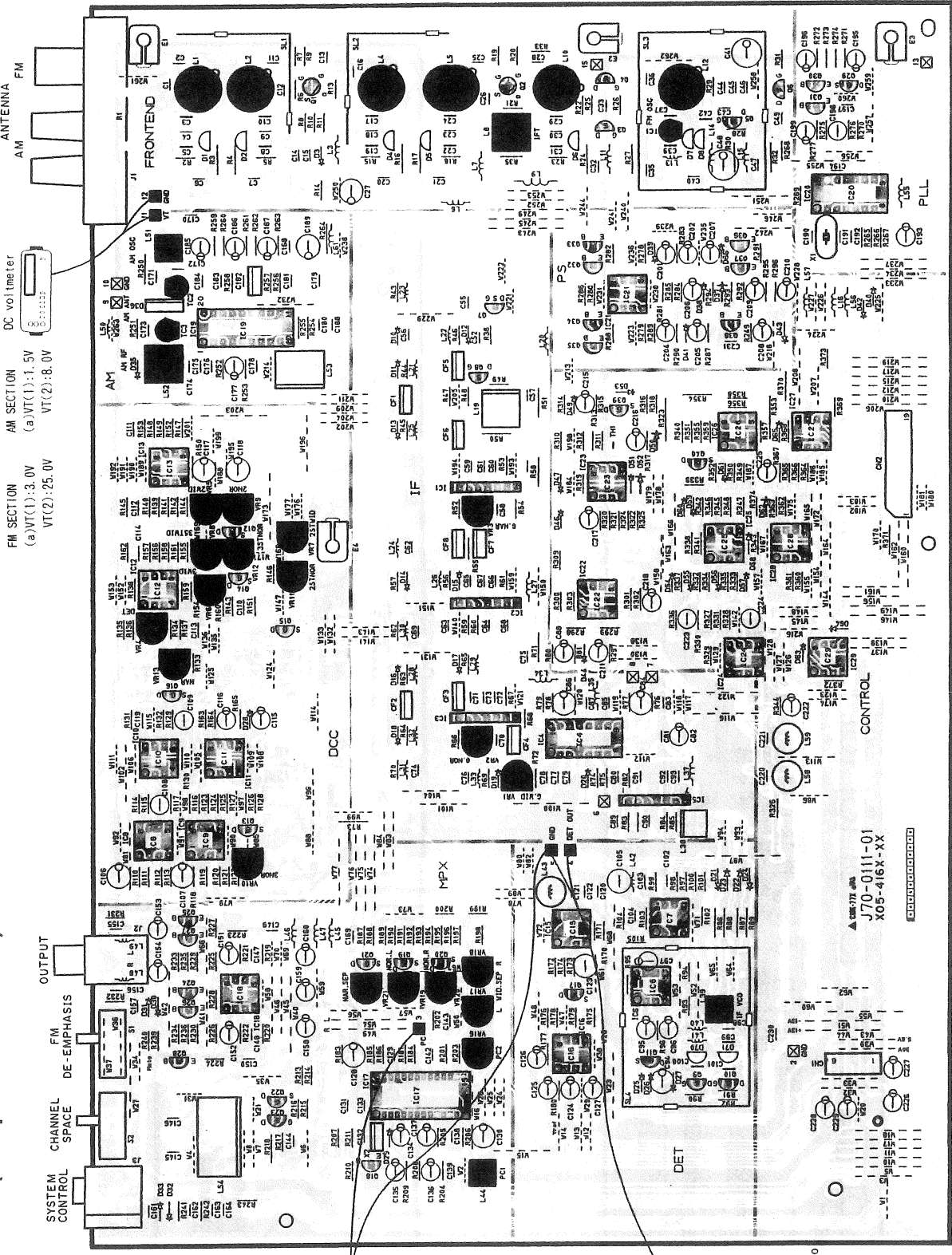
KT-6040

ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
14	DISTORTION(6) STEREO	(C) 98.0MHz SELECTOR: L R 1kHz, ±68.25kHz dev Pilot: ±6.75kHz dev 80dBμ(Ant input)	(B)	98.0MHz IF BAND: NORMAL	VR12(3rd) (X05-)	Minimum distortion.	
15	DISTORTION(7) STEREO	(C) 98.0MHz SELECTOR: L R 1kHz, ±68.25kHz dev Pilot: ±6.75kHz dev 80dBμ(Ant input)	(B)	98.0MHz IF BAND: NARROW	VR13 (X05-)	Minimum distortion.	
16	PILOT CANCEL	(C) 98.0MHz Pilot: ±6.75kHz dev 80dBμ(Ant input)	Connect an AC voltmeter and an oscilloscope between TP3(PC) and GND.	98.0MHz IF BAND: WIDE	L44 VR16 (X05-)	19kHz signal minimum level.	(c)
17	SEPARATION (1)	(C) 98.0MHz 1kHz, ±68.25kHz dev Pilot: ±6.75kHz dev 80dBμ(Ant input)	(B)	98.0MHz IF BAND: WIDE	VR17(L) VR18(R) (X05-)	Optimize the separation	
18	SEPARATION (2)	(C) 98.0MHz 1kHz, ±68.25kHz dev Pilot: ±6.75kHz dev 80dBμ(Ant input)	(B)	98.0MHz IF BAND: NORMAL	VR19(L) VR20(R) (X05-)	Optimize the separation	
19	SEPARATION (3)	(C) 98.0MHz 1kHz, ±68.25kHz dev Pilot: ±6.75kHz dev 80dBμ(Ant input)	(B)	98.0MHz IF BAND: NARROW	VR21 (X05-)	Optimize the separation	
AM SECTION Keep the AM loop antenna installed. SELECTOR:AM TUNING MODE:AUTO PROGRAM:OFF							
[1]	V T (1)	-	Connect a DC voltmeter between TP11(VT) and TP12.	530kHz	L51 (X05-)	1.5V	(a)
[2]	V T (2)	-	Connect a DC voltmeter between TP11(VT) and TP12.	1610kHz	TC2 (X05-)	8.0V	(a)
Repeat alignments [1] and [2] several times.							
[3]	SENSITIVITY (1)	(D) ☆ 630kHz 1kHz, 30% mod	(B)	630kHz	L52 (X05-)	Maximum amplitude and symmetry of the oscilloscope display.	
[4]	SENSITIVITY (2)	(D) ☆ 1440kHz 1kHz, 30% mod	(B)	1440kHz	TC3 (X05-)	Maximum amplitude and symmetry of the oscilloscope display.	
Repeat alignments [3] and [4] several times.							
☆ The peak will be easier to locate if the test loop antenna is used.							



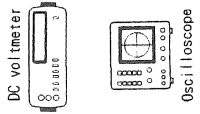
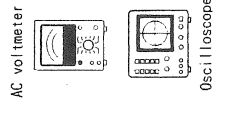
PC BOARD (Component side view)



DC voltmeter
 AM SECTION
 (a) VT(1): 1.5V
 VT(2): 8.0V

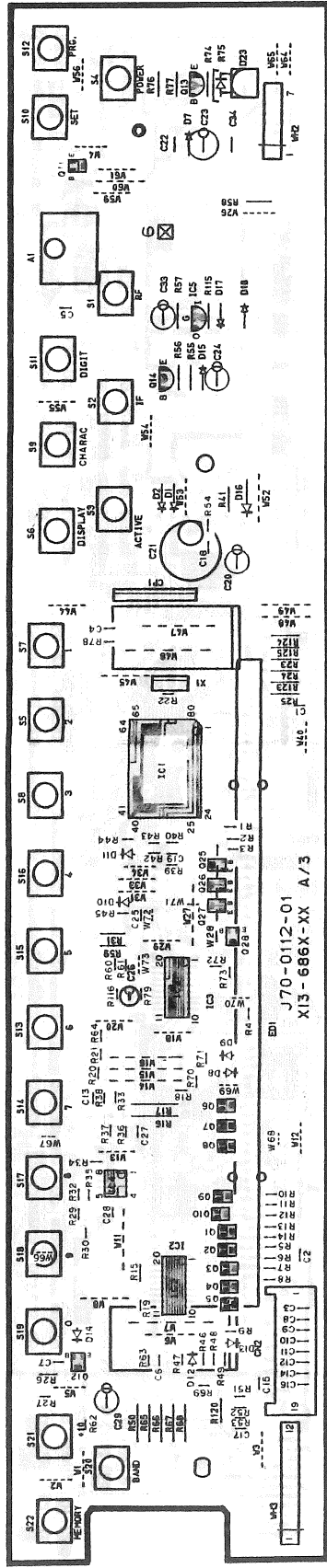
FM SECTION
 (a) VT(1): 3.0V
 VT(2): 25.0V

(c) PILOT CANCEL
 19kHz signal minimum level.

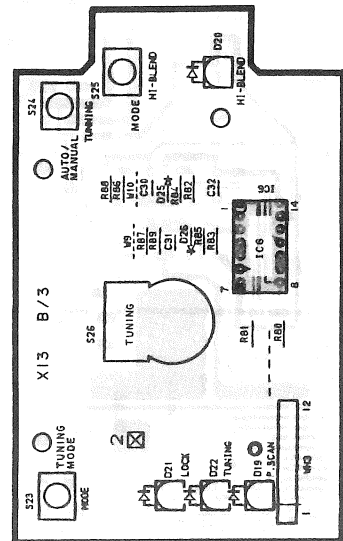
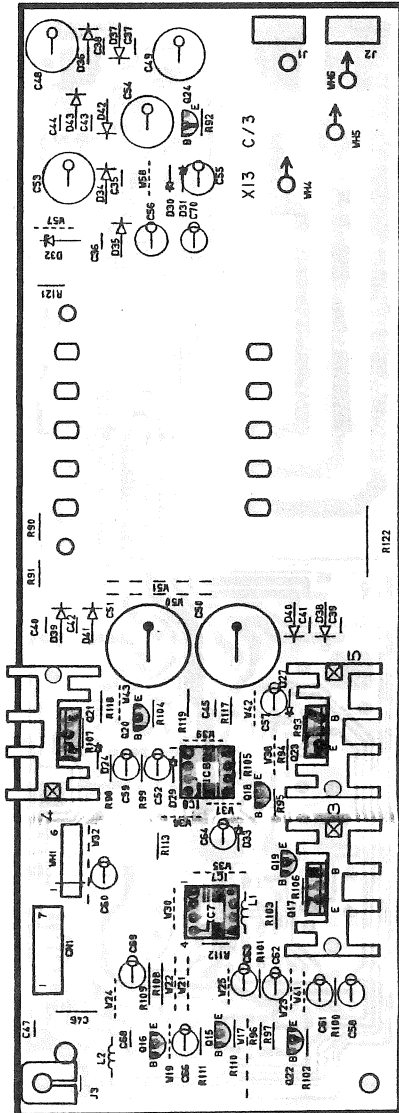


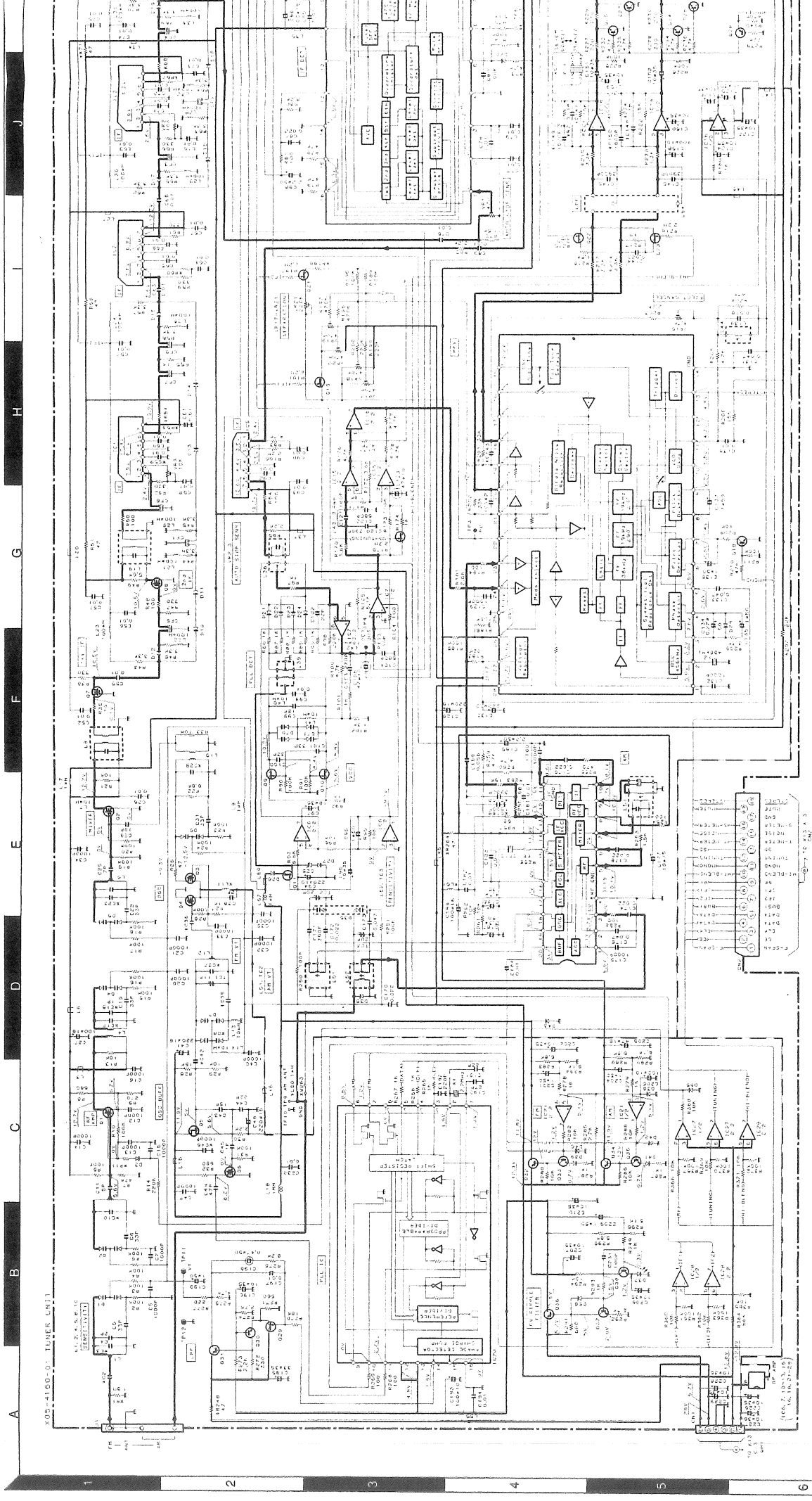
(b) V0 DETECTOR
 Turn the core confirm an
 output with dev. ON ($\pm 75\text{kHz}$),
 then adjust the the voltage to
 $0V \pm 0mV$ with dev. OFF.

PC BOARD (Component side view)



J70-0112-01
X13-686X-XX A/3



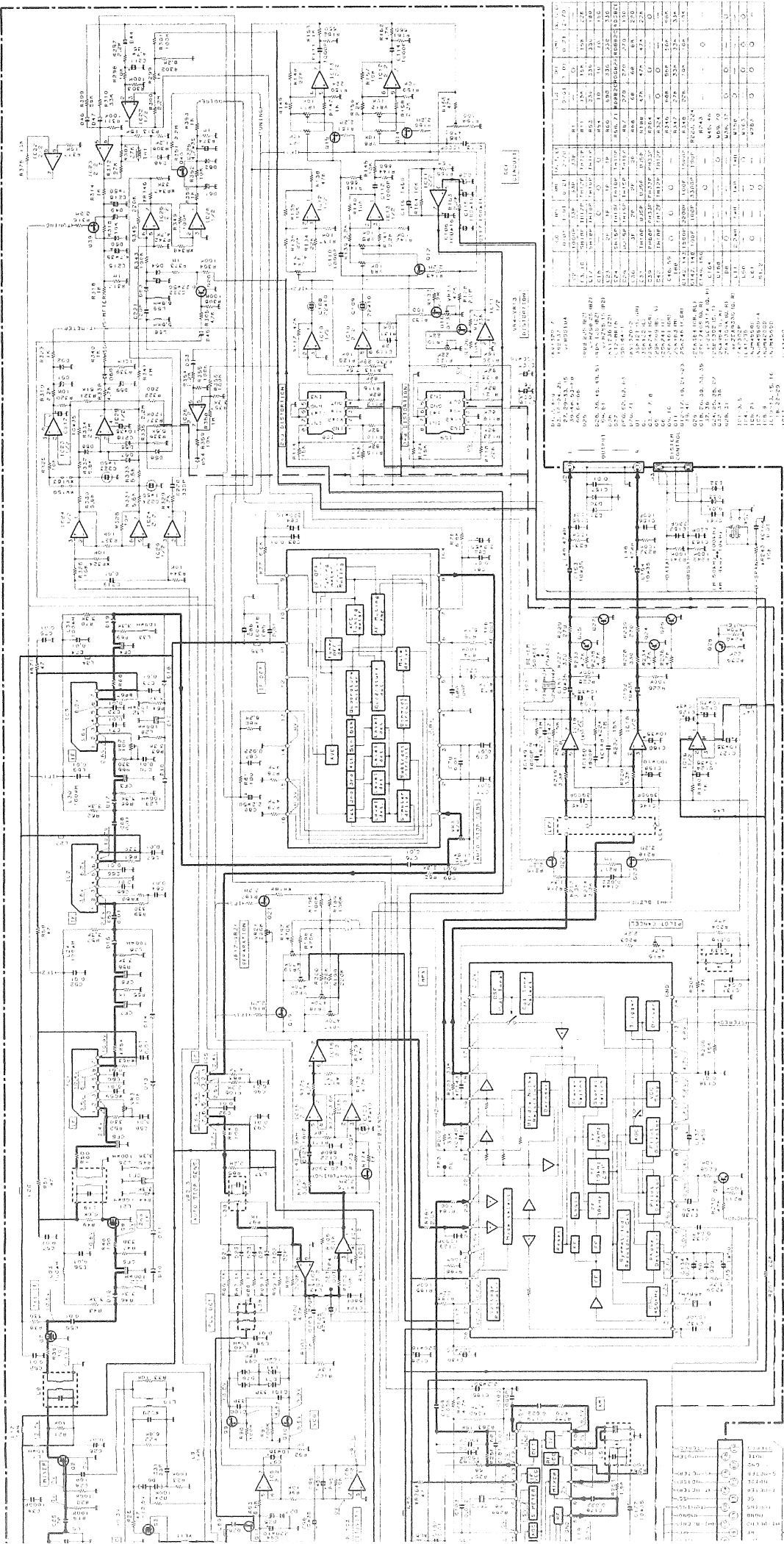


X05-4150-01 TUNER UNIT

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DC voltages are as measured with a high-impedance voltmeter during reception of the FM broadcast signal (with a signal strength of 60 dB at the ANT terminal). Values may vary slightly due to variations between individual instruments or/and units. Values in parentheses are as measured during reception of the AM broadcast signal (with a signal strength of 60 dB at the ANT terminal).

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance pendant la réception d'un signal de programme FM (avec une force de signal de 60 dB à la borne ANT). Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.
Les valeurs entre parenthèses doivent être mesurées pendant la réception d'un signal de programme AM avec une force de signal de 60 dB à la borne ANT).



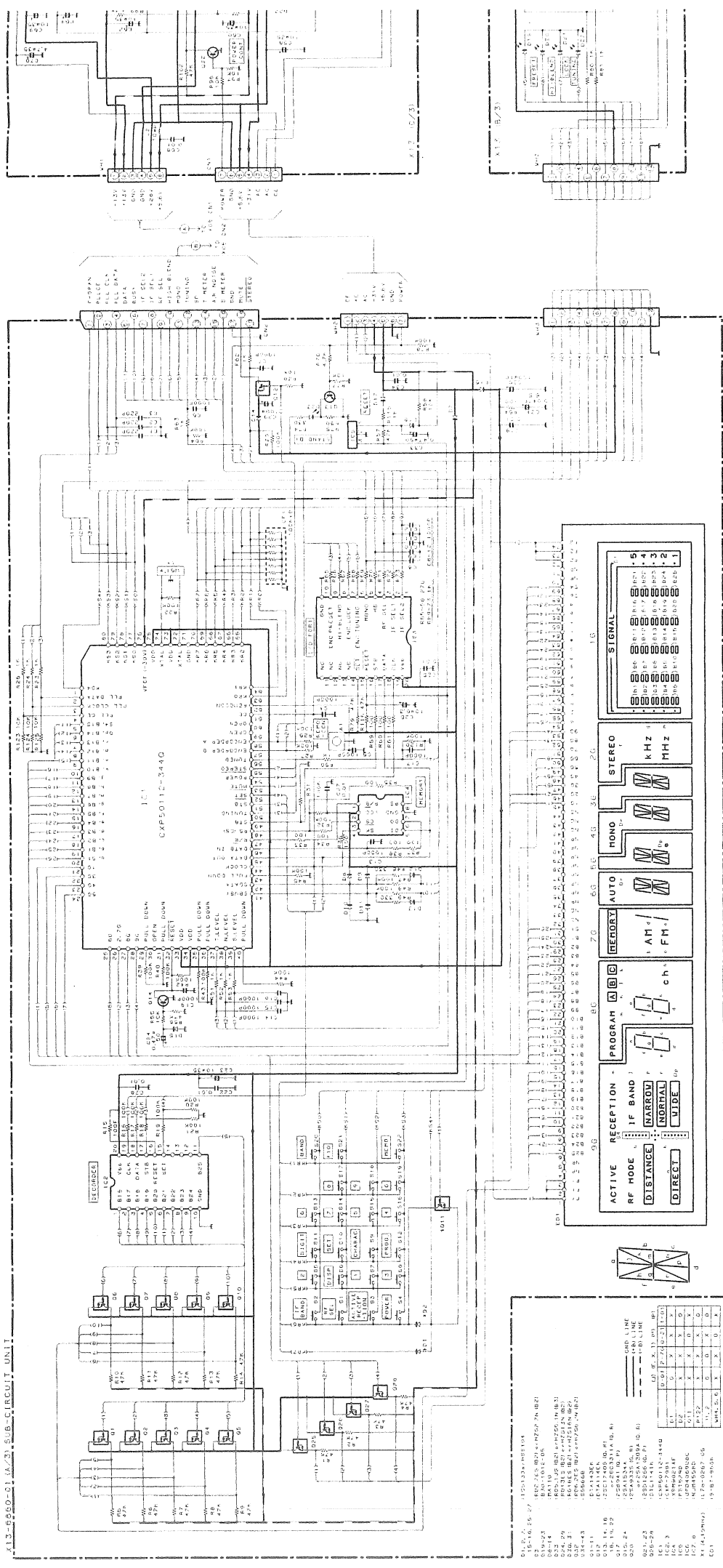
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser bei Empfang eines UKW-Signals (mit einer Feldstärke von 60 dB am Antennenschluss) gemessen. Dabei schwanken die Messwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig. Die eingehaltene Gleichspannungswerte wurden bei Empfang eines MW-Signals (mit einer Feldstärke von 60 dB am Antennenschluss) gemessen.

Les tensions c. c. doivent être mesurées avec un voltmètre à haute impédance pendant la réception d'un signal de programme FM (avec une force de signal de 60 dB à la borne ANT). Les valeurs peuvent différer légèrement en raison de variations entre différents instruments ou de variations mineures aux appareils. Les valeurs indiquées ont été mesurées avec un appareil de mesure des tensions c. c. à haute impédance pendant la réception d'un signal de programme FM (avec une force de signal de 60 dB à la borne ANT).

DC voltages are as measured with a high-impedance voltmeter during reception of the FM broadcast signal with a signal strength of 60 dB at the ANT terminal. Values may vary slightly due to variations between individual instruments or minor variations between instruments. The values indicated were measured during reception of the FM broadcast signal with a signal strength of 60 dB at the ANT terminal.

Y07-3482-70

1.3-259-21 (1/73) SUB-CIRCUIT UNIT

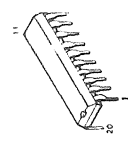


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DC voltages are as measured with a high-impedance voltmeter during reception of the FM broadcast signal (with a signal strength of 60 dB at the ANT terminal). Values may vary slightly due to variations between individual units and variations in the level of the AM broadcast signal (with a signal strength of 60 dB at the ANT terminal).

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance pendant la réception d'un signal de radio FM (avec une force de signal de 60 dB à la borne ANT). Les valeurs peuvent varier légèrement en raison de variations individuelles aux appareils et aux instruments de mesure. Les valeurs entre parenthèses doivent être mesurées pendant la réception d'un signal de programme AM avec une force de signal de 60 dB à la borne ANT.

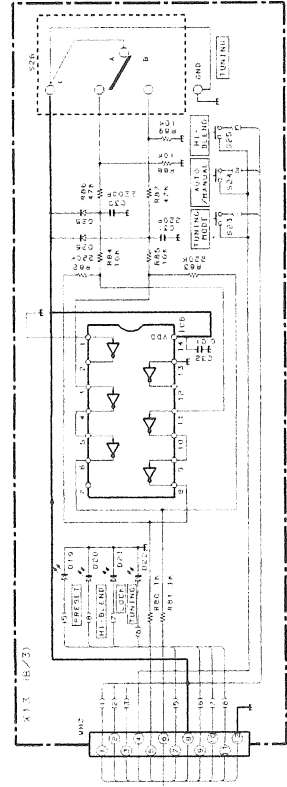
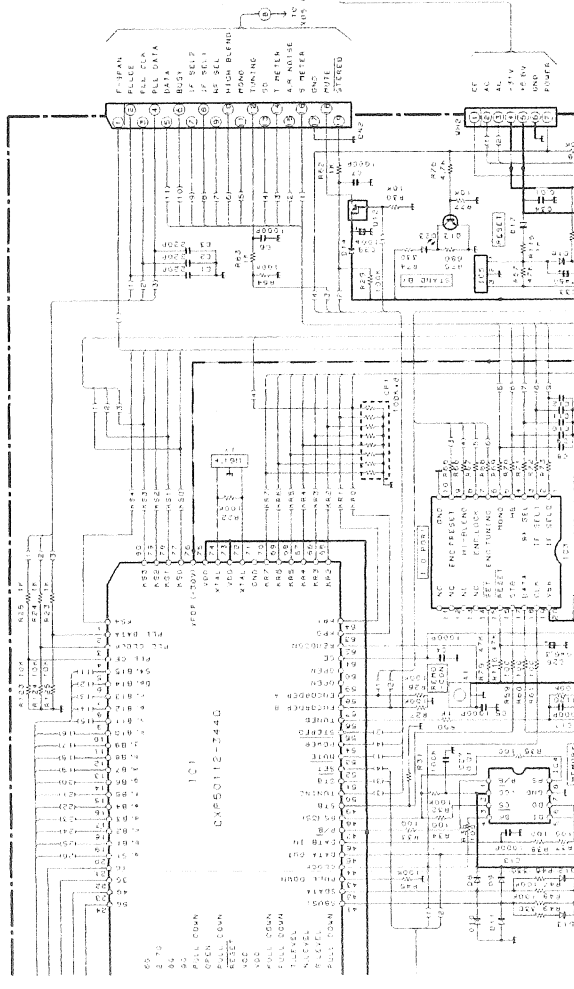
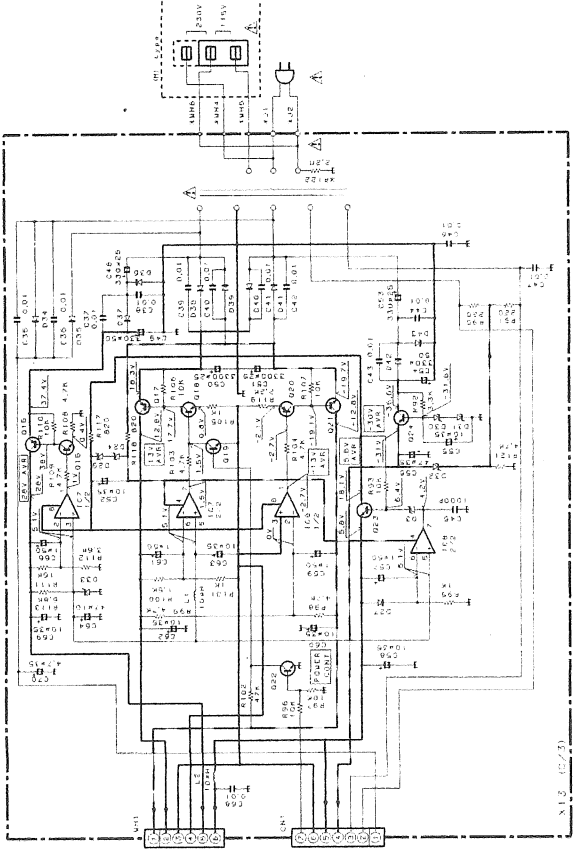
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser bei Empfang eines UKW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen. Dabei schwanken die Messwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig. Die in Klammern angegebenen Spannungswerte wurden bei Empfang eines MW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen.



LA1245



2SB941



PST529D

2SK163
2SK364

2SA1534A
2SA954
2SD1302

2SK246

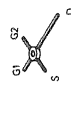
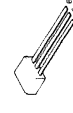
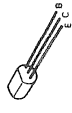
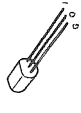
2SK161
2SK241

2SA1309A
2SC3311A

3SK122

DTA114EK
DTA143EK
DTC114TK

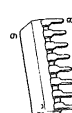
XRM9021AF



UPD4069UBC



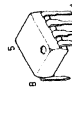
TA7302P



LA1235
LM7001



2SD1266



NUM4200D
NUM4550D
NUM4560D-A
NUM4565D



2SA933S
2SC1740S



LA1245



2SB941

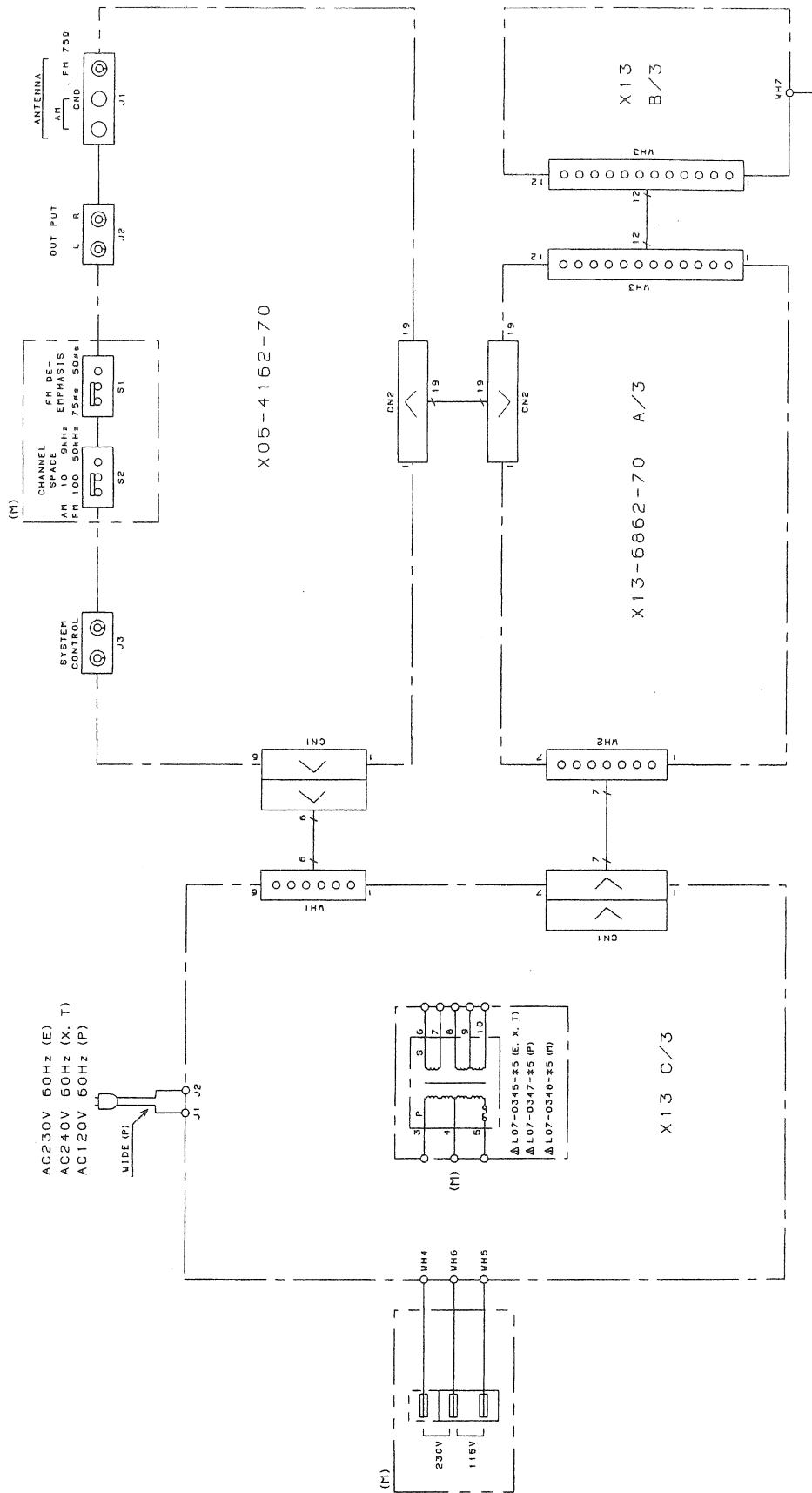
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser bei Empfang eines UKW-Signals (mit einer Feldstärke von 60 dB an Antennenschluss) gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig. Die eingeklammerten Gleichspannungswerte wurden bei Empfang eines MW-Signals (mit einer Feldstärke von 60 dB am Antennenschluss) gemessen.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance pendant la réception d'un signal de programme FM (avec une force de signal de 60 dB à la borne ANT). Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels. Les valeurs entre parenthèses doivent être mesurées pendant la réception d'un signal de programme AM avec une force de signal de 60 dB à la borne ANT).

KT-6040
KENWOOD

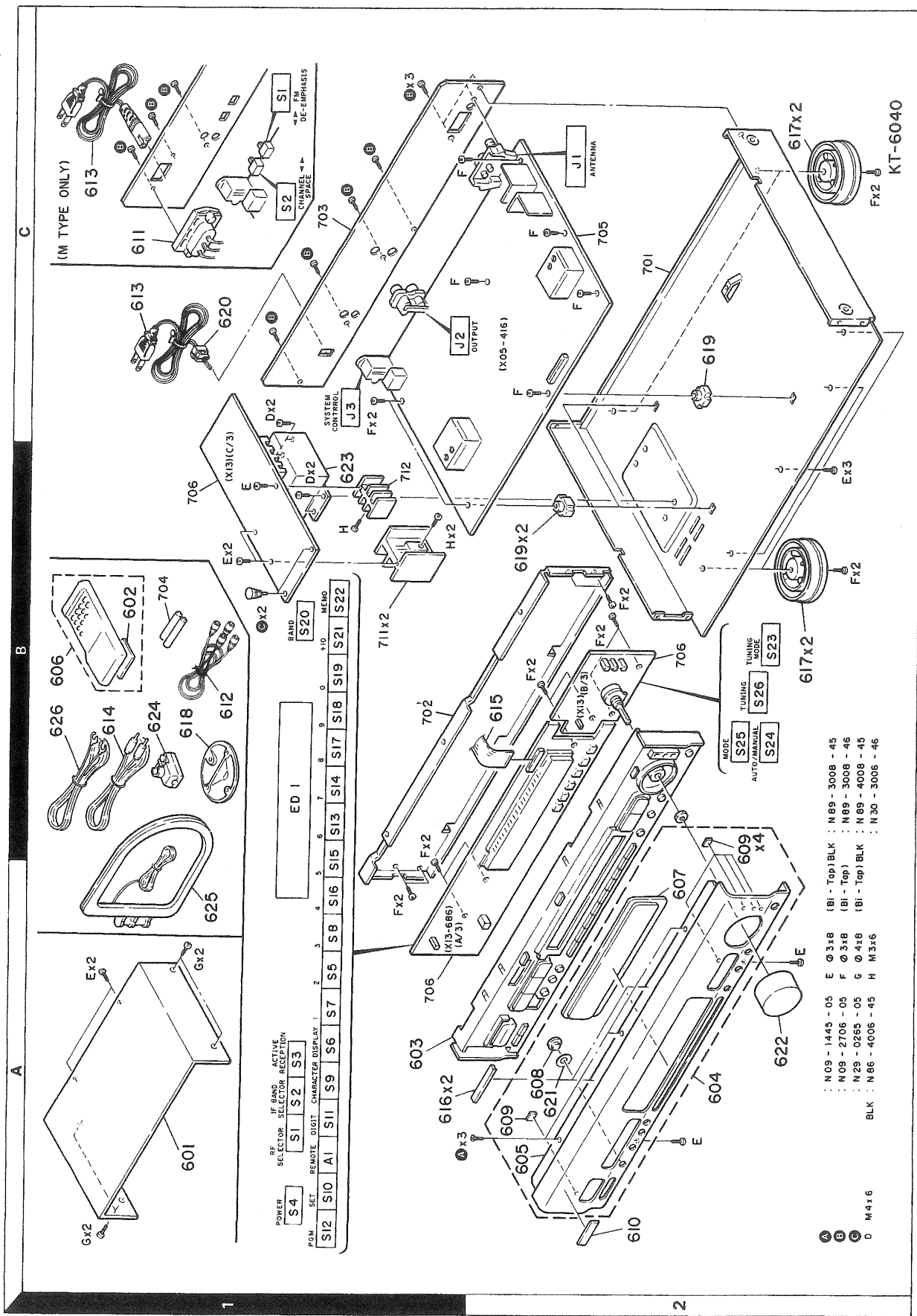
Y07-3482-70

WIRING DIAGRAM



KT-6040

EXPLODED VIEW



PARTS LIST

* New Parts
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Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 向標	Re- marks 備考
No.2					
C		N29-0265-05	PUSH RIVET		
D		N86-4006-45	BINDING HEAD TAPITITE SCREW		
E		N89-3008-45	BINDING HEAD TAPITITE SCREW		
F		N89-3008-46	BINDING HEAD TAPITITE SCREW		
G		N89-4008-45	BINDING HEAD TAPITITE SCREW		
624	1B	T90-0136-05	ANTENNA ADAPTOR		
625	1A	T90-0173-05	LOOP ANTENNA		
626	1B	T90-0176-05	T TYPE ANTENNA		
TUNER UNIT (X05 - 4162 - 70)					
D37		LTZ-MR15	LED		
C2		CC45FSLIH330J	CERAMIC	J	
C3		CC45FTHIH20J	CERAMIC	J	
C4		CC45FSLIH020C	CERAMIC	C	
C5		CC45FPHIH30J	CERAMIC	C	
C6	7	CK45FB1H102K	1000PF	K	
C8		CC45FPHIH30J	CERAMIC	J	
C10		CC45FTHIH20J	CERAMIC	J	
C11		CC45FSLIH050C	CERAMIC	C	
C12	-16	CK45FB1H102K	1000PF	K	
C17		CC45FTHIH100D	CERAMIC	D	
C18		CC45FSLIH010C	CERAMIC	C	
C19		CC45FPHIH30J	33PF	C	
C20	21	CK45FB1H102K	1000PF	K	
C21		CC45FPHIH30J	33PF	C	
C22		CC45FSLIH010C	CERAMIC	C	
C24		CC45FTHIH100D	CERAMIC	D	
C25		CC45FSLIH070D	CERAMIC	D	
C26		CC45FSLIH03Z	CERAMIC	Z	
C27		CE04KV1C101M	ELECTRØ	Z	
C28		CC45FSLIH1000	100PF	D	
C29		CC45FTHIH150J	CERAMIC	J	
C31		CC45FPHIH30J	CERAMIC	J	
C32	-35	CK45FB1H102K	1000PF	K	
C36		CC45FSLIH020C	CERAMIC	C	
C37		CC45FSLIH050C	CERAMIC	C	
C38		CC45FSLIH020C	CERAMIC	C	
C39		CC45FPHIH30J	CERAMIC	C	
C40		CC45FB1H102K	1000PF	K	
C41		CE04KV1C221M	ELECTRØ	J	
C42		CC45FTHIH120J	12PF	J	
C43		CC45FSLIH150J	CERAMIC	J	
C44		CC45FSLIH220D	CERAMIC	D	
C45		CC45FSLIH010C	CERAMIC	C	
C46		CK45FB1H102K	1000PF	K	
C47		CK45FB1H102K	1000PF	K	
C48		CE04KV1C221M	ELECTRØ	16WV	
C49		CC45FSLIH03Z	CERAMIC	Z	
C52		CC45FSLIH03Z	CERAMIC	Z	
C53	-58	CK45FB1H102K	1000PF	K	
C59		CC45FSLIH103Z	CERAMIC	Z	
C60	-79	CK45FF1H103Z	CERAMIC	Z	
C80		CC45FSLIH101J	CERAMIC	J	
C81		CC45FSLIH103Z	CERAMIC	Z	
C82		CE04KV1H2R2M	ELECTRØ	2.2UF 50WV	

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No.1					
KT - 6040					
601	1A	A01-1801-01	METALLIC CABINET		
602	1B	A09-0114-08	BATTERY COVER		
603	1A	A22-1502-01	SUB PANEL		PMX
604	2A	A60-0096-02	PANEL ASSY		
605	2A	A60-0097-02	PANEL		
606	1B	A70-0542-05	REMOTE CONTROLLER ASSY		PM
606	1B	A70-0563-05	REMOTE CONTROLLER ASSY		X
607	2A	B10-1863-03	FRONT GLASS		
608	2A	B11-0237-04	COLOR FILTER		
609	2A	B12-0162-04	INDICATOR		X
610	2A	B43-0287-04	KENWOOD BADGE		
-		B46-0096-23	WARRANTY CARD		
-		B46-0121-03	WARRANTY CARD		P
-		B46-0122-13	WARRANTY CARD		E
-		B46-0143-13	WARRANTY CARD		T
-		B60-0544-00	INSTRUCTION MANUAL(ENGLISH)		
-		B60-0544-00	INSTRUCTION MANUAL(FRENCH)		
-		B60-0547-00	INSTRUCTION MANUAL(G,D,I)		EP
-		B60-0548-00	INSTRUCTION MANUAL(SPA,CHI)		E
-		B60-0548-00	INSTRUCTION MANUAL(SPA,CHI)		M
611	1C	E03-0102-25	AC INLET		M
612	1C	E30-0505-05	AUDIO CORD		
613	1C	E30-0459-05	AC POWER CORD		E
613	1C	E30-0974-05	AC POWER CORD		P
613	1C	E30-1329-05	AC POWER CORD (INLET)		M
613	1C	E30-1341-05	AC POWER CORD		X
613	1C	E30-1416-05	AC POWER CORD		T
614	1B	E30-0977-05	CORD WITH PLUG		
615	2B	E31-4790-05	WIRING HARNESS		
616	1A	G11-0185-04	SOFT TAPE (120X5X2)		
-		H10-5162-02	POLYSTYRENE FOAMED FIXTURE		
-		H10-5163-02	POLYSTYRENE FOAMED FIXTURE		
-		H25-0181-04	PROTECTION BAG (150X260X0.05)		
-		H25-0224-04	PROTECTION BAG (800X400X0.03)		EPHX
-		H25-0232-04	PROTECTION BAG (235X350X0.03)		EPHX
-		H25-0651-04	PROTECTION BAG (Ø232 PRINTED)		T
-		H25-0653-04	PROTECTION BAG (Ø224 PRINTED)		T
-		H50-0125-04	ITEH CARTON CASE		
617	2B,2C	J02-1002-05	FOOT		
618	1B	J12-2815-05	ANTENNA HOLDER		
619	1B	J19-5179-05	UNIT HOLDER		
620	1C,2C	J42-0063-05	POWER CORD BUSHING		
621	2A	J49-0080-04	ADHESIVE TAPE		EPXT
-		J61-0307-05	WIRE BAND		M
622	2A	K29-4292-04	KNØB (TUNING)		
623	1B	L07-0345-05	POWER TRANSFORMER		EXT
623	1B	L07-0347-05	POWER TRANSFORMER		P
623	1B	L07-0348-05	POWER TRANSFORMER		M
A		N09-1445-05	SET SCREW (M3X8)		
B		N09-2706-05	TAPITITE SCREW		

LS:Scandinavia
Y:Far East, Hawaii)
Y:AFES(Europe)

USA
T:England
X:Australia
M:Other Areas

PCanada
E:Europe
M:Other Areas

△ indicates safety critical components

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Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名/規格	Desti- nation 仕向備考
C184		CK45FF1H103Z	CERAMIC	M
C186		CF2ZEV1H32Z	MF	EXT
C189		CF9ZEV1H32Z	MF	
C190		CK45FF1H103Z	CERAMIC	
C191		CK45FF1H103Z	CERAMIC	
C192		CK45FF1H103Z	CERAMIC	
C193		CK45FF1H223Z	CERAMIC	
C194		CK45FF1H47Z	CERAMIC	
C195		CK45FF1H223Z	CERAMIC	
C196		CK45FF1H103Z	CERAMIC	
C197		CK45FF1H103Z	CERAMIC	
C198		CE04KW1V100M	ELECTR0	
C199		CK45FF1H223Z	CERAMIC	
C200		CK45FF1H103Z	CERAMIC	
C201		CF92FV1H103J	MF	
C202		CK45FF1H103Z	CERAMIC	
C203		CK45FF1H223Z	CERAMIC	
C204		CE04KW1H3R3M	ELECTR0	
C205		CF92FV1H152J	MF	
C206		CE04KW1C101M	ELECTR0	
C207		CC45FCH1H270J	CERAMIC	
C208		CC45FCH1H220J	CERAMIC	
C209		CC45FSL1H221J	CERAMIC	
C210		CE04KW1A101M	ELECTR0	
C211		CK45FF1H103Z	CERAMIC	
C212		CK45FF1V330M	ELECTR0	
C213		CE04KW1V100M	ELECTR0	
C214		CK45FF1H103Z	CERAMIC	
C215		CE04KW1H010M	ELECTR0	
C216		CE04KW1V100M	ELECTR0	
C217		CE04KW1H010M	ELECTR0	
C218		CE04KW1V100M	ELECTR0	
C219		CK45FF1H103Z	CERAMIC	
C220		CC45FSL1H331J	CERAMIC	
C221		CC45FSL1H121J	CERAMIC	
C222		CE04KW1HR22M	ELECTR0	
C223		C90-1349-05	NP-ELEC	
C224		CE04KW1V4R7M	ELECTR0	
C225		CE04KW1V4R7M	ELECTR0	
C226		CE04KW1V100M	ELECTR0	
C227		CK45FF1H103Z	CERAMIC	
C228		CC45FSL1H101J	CERAMIC	
C229		CC45FSL1H101J	CERAMIC	
C230		CK45FF1H103Z	CERAMIC	
C231		CC45FSL1H101J	CERAMIC	
C232		C05-0302-05	CERAMIC TRIMMER	
C233		C05-0303-05	CAPACITOR(20PF)	

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名/規格	Desti- nation 仕向備考
C83		CK45FF1H103Z	CERAMIC	Z
C84		CE04KW1A221M	ELECTR0	10WV
C85		CK45FF1H103Z	CERAMIC	Z
C86		CE04KW1C101M	ELECTR0	16WV
C87		CK45FF1H223Z	CERAMIC	Z
C88		CE04KW1HR22M	ELECTR0	50WV
C89		CK45FF1H103Z	CERAMIC	Z
C90		CK45FF1H223Z	CERAMIC	Z
C91		CE04KW1A221M	ELECTR0	10WV
C92		CE04KW1H010M	ELECTR0	50WV
C93		CE04KW1V100M	ELECTR0	35WV
C94		CK45FF1H103Z	CERAMIC	Z
C95		CK45FF1H103Z	CERAMIC	Z
C96		CE04KW1V100M	ELECTR0	35WV
C97		CK45FF1H103Z	CERAMIC	Z
C98		CK45FF1H103Z	CERAMIC	Z
C99		CC45FSL1H180J	CERAMIC	Z
C100		CC45FTH1H330J	CERAMIC	Z
C101		CC45FSL1H220J	CERAMIC	Z
C102		CC45FSL1H220J	CERAMIC	Z
C103		CC45FSL1H271J	CERAMIC	Z
C104		CK45FF1H681K	CERAMIC	K
C105		NP-1334-05	NP-ELEC	K
C106		CE04KW1C101M	ELECTR0	10WV
C107		CE04KW1C101M	ELECTR0	16WV
C108		NP-1335-05	NP-ELEC	C
C109		CE04KW1H021J	MF	
C110		CF92FV1H102J	MF	
C111		CE04KW1A101M	ELECTR0	
C112		CE04KW1R010M	ELECTR0	
C113		CE04KW1C101M	ELECTR0	
C114		CE04KW1C101M	ELECTR0	
C115		CE04KW1C101M	ELECTR0	
C116		CE04KW1C101M	ELECTR0	
C117		CE04KW1C101M	ELECTR0	
C118		CE04KW1C101M	ELECTR0	
C119		CE04KW1C101M	ELECTR0	
C120		CK45FF1H391K	CERAMIC	K
C121		CK45FF1H181J	CERAMIC	J
C122		CK45FF1H681K	CERAMIC	K
C123		CK45FF1H681K	CERAMIC	K
C124		NP-1334-05	NP-ELEC	
C125		CE04KW1V100M	ELECTR0	
C126		CE04KW1C221M	ELECTR0	
C127		CF92FV1H102J	MF	
C128		CE04KW1A221M	ELECTR0	
C129		CF92FV1H473J	MF	
C130		CF92FV1H102J	MF	
C131		CF92FV1H473J	MF	
C132		CF92FV1H102J	MF	
C133		CF92FV1H473J	MF	
C134		CE04KW1HR22M	ELECTR0	
C135		CE04KW1H010M	ELECTR0	
C136		CF92FV1H103J	MF	
C137		C893HP2A183J	MYLAR	
C138		CC45FSL1H101J	CERAMIC	
C139		C893HP2A183J	MYLAR	
C140		CC45FSL1H101J	CERAMIC	
C141		C893HP2A152J	MYLAR	
C142		C893HP2A222J	MYLAR	
C143		C893HP2A222J	MYLAR	
C144		CF92FV1H223Z	MF	
C145		CF92FV1H392J	MF	
C146		CC45FSL1H101J	CERAMIC	
C147		CF92FV1H332J	MF	
C148		CF92FV1H182J	MF	
C149		CF92FV1H182J	MF	
C150		CE04KW1V100M	ELECTR0	
C151		CE04KW1V100M	ELECTR0	
C152		CC45FSL1H101J	CERAMIC	
C153		CK45FF1H103Z	CERAMIC	
C154		CE04KW1A101M	ELECTR0	
C155		CE04KW1V100M	ELECTR0	
C156		CK45FF1H103Z	CERAMIC	
C157		CC45FSL1H221J	CERAMIC	
C158		CK45FF1H103Z	CERAMIC	
C159		CE04KW1V100M	ELECTR0	
C160		CK45FF1H103Z	CERAMIC	
C161		CC45FSL1H221J	CERAMIC	
C162		CK45FF1H103Z	CERAMIC	
C163		CC45FSL1H221J	CERAMIC	

L:Scandinavia K:USA P:Canada
 Y:PX(Far East, Hawaii) T:England E:Europe
 X:Australia M:Other Areas
 Δ indicates safety critical components.

PARTS LIST

No.6

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 向備考
VR4		R12-1089-05	TRIM POT. 4.7K(DISTORTION)	
VR5		R12-3126-05	TRIM POT. 10K (DISTORTION)	
VR6		R12-0108-05	TRIM POT. 470	
VR7	-9	R12-3126-05	TRIM POT. 10K (DISTORTION)	
VR10		R12-3128-05	TRIM POT. 22K (DISTORTION)	
VR11, 12		R12-3126-05	TRIM POT. 10K (DISTORTION)	
VR13		R12-3132-05	TRIM POT. 47K	
VR16		R12-1089-05	TRIM POT. 4.7K(PILÖT CANCEL)	
VR17-20		R12-6018-05	TRIM POT. 470K	
VR21		R12-5060-05	TRIM POT. 220K(SEPARATION)	
S1, 2	1C	S31-2094-05	SLIDE SWITCH (OE, EH, CH, SPACE)	M
D1, 2		KV1320-6	VARIABLE CAPACITANCE DIODE	
D3		HSS104	DIODE	
D3		1SS133	DIODE	
D4		KV1320-6	VARIABLE CAPACITANCE DIODE	
D10, 24		HSS104	DIODE	
D10, 24		1SS133	DIODE	
D25		HZ55, 1S(B2)	ZENER DIODE	
D25		R08, 1JS(B2)	ZENER DIODE	
D26, 27		HSS104	DIODE	
D26, 27		1SS133	DIODE	
D28		HZ55, 1S(B2)	ZENER DIODE	
D28		R05, 1JS(B2)	ZENER DIODE	
D29, 33		HSS104	DIODE	
D29, 33		1SS133	DIODE	
D35		HSS104	DIODE	
D35		1SS133	DIODE	
D36		KV1236(22)	VARIABLE CAPACITANCE DIODE	
D38		HZ55, 1S(B2)	ZENER DIODE	
D38		R05, 1JS(B2)	ZENER DIODE	
D39, 44		HSS104	DIODE	
D39, 44		1SS133	DIODE	
D45		HZ55, 1S(B2)	ZENER DIODE	
D45		R05, 1JS(B2)	ZENER DIODE	
D46, 48		HSS104	DIODE	
D46, 48		1SS133	DIODE	
D49		HZ55, 1S(B2)	ZENER DIODE	
D49		R05, 1JS(B2)	ZENER DIODE	
D50		SD164-1	DIODE	
D51		HZ55, 1S(B2)	ZENER DIODE	
D51		R05, 1JS(B2)	ZENER DIODE	
D52		SD164-1	DIODE	
D52		HSS104	DIODE	
D53		1SS133	DIODE	
D53, 58		HZ55, 1S(B2)	ZENER DIODE	
D59		R05, 1JS(B2)	ZENER DIODE	
D59		HZ55, 1S(B2)	ZENER DIODE	
D60		HSS104	DIODE	
D60		1SS133	DIODE	
D61		HZ55, 1S(B2)	ZENER DIODE	
D61		R05, 1JS(B2)	ZENER DIODE	
D62, 63		SD164-1	DIODE	
D64, 66		HSS104	DIODE	
D64, 66		1SS133	DIODE	
D70, 71		KV1320-2	VARIABLE CAPACITANCE DIODE	

No.5

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 向備考
J1	2C	E20-0318-05	SCREW TERMINAL BOARD(ANTENNA)	
J2	1C	E13-0235-05	PHONE JACK (2P) (OUTPUT)	
J3	1C	E11-0188-05	MINIATURE PHONE JACK(S, CONT.)	
CF1, 2		L72-0546-05	CERAMIC FILTER	PM
CF3, 4		L72-0546-05	CERAMIC FILTER	EXT
CF5, 6		L72-0565-05	CERAMIC FILTER	PM
CF5, 6		L72-0120-05	CERAMIC FILTER	EXT
CF5, 6		L72-0566-05	CERAMIC FILTER	EXT
CF10		L72-0096-05	CERAMIC FILTER	
L1, 2		L31-0545-05	FM-RF COIL (SENSITIVITY)	
L3		L32-0017-05	FERRITE CORE (SENSITIVITY)	
L4		L31-0546-05	FM-RF COIL (SENSITIVITY)	
L5		L31-0545-05	FM-RF COIL (SENSITIVITY)	
L6		L92-0017-05	FERRITE CORE	
L7		L40-1001-17	SMALL FIXED INDUCTOR(100H, K)	
L8		L30-0495-05	FM IFT (SENSITIVITY)	
L9		L40-1091-17	SMALL FIXED INDUCTOR(100H)	
L10		L32-0539-05	FM OSCILLATING COIL	
L11		L40-1091-17	SMALL FIXED INDUCTOR(100H)	
L12		L32-0537-05	FM OSCILLATING COIL (V)	
L13, 14		L40-1001-17	SMALL FIXED INDUCTOR(100H, K)	
L15, 16		L92-0017-05	FERRITE CORE	
L17, 18		L40-1091-17	SMALL FIXED INDUCTOR(100H)	
L19		L30-0495-05	FM IFT	
L20		L92-0017-05	FERRITE CORE	
L21, 26		L40-1011-17	SMALL FIXED INDUCTOR(1000H, K)	
L27		L92-0017-05	FERRITE CORE	
L28, 33		L40-1011-17	SMALL FIXED INDUCTOR(1000H, K)	
L34, 35		L92-0017-05	FERRITE CORE	
L37		L92-0017-05	FERRITE CORE	
L38		L30-0416-05	FM IFT	
L39		L32-0527-05	FM OSCILLATING COIL (VCO DET.)	
L40, 42		L40-1001-17	SMALL FIXED INDUCTOR(100H, K)	
L43		L40-3925-29	SMALL FIXED INDUCTOR(3.9mH, J)	
L44		L35-0065-05	MPX COIL	
L45, 47		L92-0017-05	FERRITE CORE	
L48, 49		L40-4701-17	SMALL FIXED INDUCTOR(470H, K)	
L50		L40-1091-17	SMALL FIXED INDUCTOR(100H, K)	
L51		L32-0977-15	HW OSCILLATING COIL (VC)	
L52		L30-0509-05	HW-RF COIL (SENSITIVITY)	
L53		L30-0467-05	HW IFT	
L54		L79-0154-05	I.C. FILTER	
L55, 57		L92-0017-05	FERRITE CORE	
L58		L40-5625-29	SMALL FIXED INDUCTOR(5.6mH, J)	
L59		L40-6825-29	SMALL FIXED INDUCTOR(6.8mH, J)	
L60, 61		L92-0017-05	FERRITE CORE	
X1		L77-1122-05	CRYSTAL RESONATOR (7.2MHz)	M
X2		L78-0208-05	RESONATOR (456kHz)	
R1		RC05GF2H185M	RC 1.8M M 1/2W	P
R58		RD14GB2E470J	FL-PROOF RD 47 J 1/4W	EPXT
R71		RD14GB2E470J	FL-PROOF RD 47 J 1/4W	EPXT
R264		RD14GB2E470J	FL-PROOF RD 47 J 1/4W	EPXT
VR1		R12-0108-05	TRIM POT. 470	
VR2, 3		R12-3126-05	TRIM POT. 10K (AUTO STOP SENS)	

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LS Scandinavia
KUSA
Y/PX(Far East, Hawaii)
Y:AFES(Europe)

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PCanada
EEurope
M:Other Areas

PCanada
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△ indicates safety critical components.

PARTS LIST

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No.8

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向
C20		CE04KW1A101M	ELECTR0 100UF	
C21		C90-1827-05	BACKUP 0.047F	
C22		CK45FE1H103Z	CERAMIC Z 5.5WV	
C23		CE04KW1V100M	ELECTR0 10UF	
C24		CE04KW1HR47M	ELECTR0 0.47UF	
C25		CK73FB1H103K	CHIP C 0.010UF	
C26		CE04JMOJ100M	ELECTR0 10UF	
C27 , 28		CK73FB1H103K	CHIP C 0.010UF	
C29		CE04AS1A101M	ELECTR0 100UF	
C30 , 31		CK45FB1R222K	CERAMIC 2200PF	
C32		CK45FE1H103Z	CERAMIC 0.010UF	
C33		CE04KW1HR47M	ELECTR0 0.47UF	
C34 - 44		CK45FE1H103Z	CERAMIC 0.010UF	
C45		CK45FE1H103Z	CERAMIC 0.010UF	
C46		C91-0769-05	CERAMIC 0.010UF	
C47		CK45FE1H103Z	CERAMIC 0.010UF	
C48		CE04KW1E331M	ELECTR0 330UF	
C49		CE04KW1H331M	ELECTR0 330UF	
C50 , 51		CE04KW1E332M	ELECTR0 330UF	
C52		CE04KW1V100M	ELECTR0 10UF	
C53		CE04KW1E331M	ELECTR0 330UF	
C54		CE04KW1H331M	ELECTR0 330UF	
C55		CE04KW1V100M	ELECTR0 10UF	
C56		CE04KW1V470M	ELECTR0 47UF	
C57		CE04KW1H010M	ELECTR0 1.0UF	
C58		CE04KW1V100M	ELECTR0 10UF	
C59		CE04KW1H010M	ELECTR0 1.0UF	
C60		CE04KW1V100M	ELECTR0 10UF	
C61		CE04KW1H010M	ELECTR0 1.0UF	
C62 , 63		CE04KW1V100M	ELECTR0 10UF	
C64		CE04KW1A470M	ELECTR0 47UF	
C66		CE04KW1H010M	ELECTR0 1.0UF	
C68		CK45FE1H103Z	CERAMIC 0.010UF	
C69		CE04KW1V100M	ELECTR0 10UF	
C70		CE04KW1V477M	ELECTR0 4.7UF	
L1 , 2		L40-1001-17	SMALL FIXED INDUCTOR (10UH, K)	
X1		L78-0267-05	RESONATOR (#.194MHZ)	
F		N89-3008-45	BINDING HEAD TAPITE SCREW	
H		N30-3006-46	PAN HEAD RACHIN SCREW	
CP1		R90-0492-05	MULTI-COMP 100KV8	
R122		R92-0173-05	RC 2.2M	
W66		R92-0679-05	CHIP R 0.00HM	
W67 , 68		R92-0670-05	CHIP R 0.00HM	
W69 , 70		R92-0679-05	CHIP R 0.00HM	
W71		R92-0670-05	CHIP R 0.00HM	
W73		R92-0679-05	CHIP R 0.00HM	
S1 - 25	1A, 2B	S40-1064-05	PUSH SWITCH	
S26	2B	T99-0522-05	SPEED DETECTOR (TUNING)	
D2		HSS104	DIODE	
D3		1SS133	DIODE	
D3		HZS2.7N(CB2)	ZENER DIODE	
D3		RD2.7ES(CB2)	ZENER DIODE	

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No.7

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向
IC1 - 3		TA7300P	IC (FM IF)	
IC4		LA1235	IC (FM IF/DETECTION)	
IC5		TA7300P	IC (FM IF)	
IC6		NJM4568D	IC (OP AMP X2)	
IC7		NJM4568D-A	IC (OP AMP X2)	
IC8 , 9		NJM4200D	IC (OP AMP X2)	
IC10-13		NJM4565D	IC (OP AMP X2)	
IC15, 16		NJM4565D	IC (OP AMP X2)	
IC17		LA3450	IC (FM MPX)	
IC18		NJM4565D	IC (OP AMP X2)	
IC19		LA1245	IC (AM)	
IC20		LH7001	IC (PLL FREQUENCY SYNTHESIZER)	
IC21		NJM4568D	IC (OP AMP X2)	
IC22-29		NJM4565D	IC (OP AMP X2)	
Q1		3SK121(Y, GR)	FET	
Q2		3SK122(L)	FET	
Q3 , 4		2SK241(GR)	FET	
Q5		2SK709(BL, Y)	FET	
Q6		2SK241(Y)	FET	
Q7 , 8		2SK241(GR)	FET	
Q9 , 10		2SK161(GR)	FET	
Q11		2SK163(H)	FET	
Q12 - 17		2SK246(Y, GR)	FET	
Q18		2SC1740S(Q, R)	TRANSISTOR	
Q19		2SC3311A(Q, R)	TRANSISTOR	
Q20		2SK246(Y, GR)	FET	
Q21		2SC1740S(Q, R)	TRANSISTOR	
Q22 - 23		2SC3311A(Q, R)	TRANSISTOR	
Q24 - 27		2SK246(Y, GR)	FET	
Q28		2SD1302(S, T)	TRANSISTOR	
Q28		2SA1309A(Q, R)	TRANSISTOR	
Q29		2SA933S(Q, R)	TRANSISTOR	
Q30		2SK362(GR, BL)	FET	
Q31		2SC1740S(Q, R)	TRANSISTOR	
Q32		2SA954(L, K)	TRANSISTOR	
Q33		2SC1740S(Q, R)	TRANSISTOR	
Q33		2SC3311A(Q, R)	TRANSISTOR	
Q34		2SA954(L, K)	TRANSISTOR	
Q35		2SC1740S(Q, R)	TRANSISTOR	
Q36		2SC3311A(Q, R)	TRANSISTOR	
Q37 , 38		2SA954(L, K)	TRANSISTOR	
Q37 , 38		2SC1740S(Q, R)	TRANSISTOR	
Q39 , 40		2SC3311A(Q, R)	TRANSISTOR	
TH1		2SK246(Y, GR)	FET	
		SDT1000	THERMISTOR	
SUB CIRCUIT UNIT (X13 - 6862 - 70)				
D19 - 23		B30-1012-05	LED (SLP-981C-50)	
C1 - 3		CK73FB1H221K	CHIP C 220PF	
C4 - 17		CK73FB1H103K	CHIP C 1000PF	
C16		CK73FB1H103K	CHIP C 0.010UF	
C18		CK73FB1H102K	CHIP C 1.000PF	

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Δ indicates safety critical components

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PARTS LIST

No. 9

x New Parts
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 Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 向	Re- marks 備考
D7		HSS104	DIODE		
D7		1SS133	DIODE		
D8 -14		MA110	DIODE		
D15 -18		HSS104	DIODE		
D15 -18		1SS133	DIODE		
D24		HZS13N(B2)	ZENER DIODE		
D24		RD13ES(B2)	ZENER DIODE		
D25 -27		HSS104	DIODE		
D25 -27		1SS133	DIODE		
D29		HZS13N(B2)	ZENER DIODE		
D29		RD13ES(B2)	ZENER DIODE		
D30 ,31		HZS16N(B2)	ZENER DIODE		
D30 ,31		RD16ES(B2)	ZENER DIODE		
D32		HZS6.2N(B2)	ZENER DIODE		
D32		RD6.2ES(B2)	ZENER DIODE		
D33		HZS5.1S(B2)	ZENER DIODE		
D33		RD5.1JS(B2)	ZENER DIODE		
D34 -43	1B	SS5668	DIODE		
D71		* 2-BI-366K	FLUORESCENT INDICATOR TUBE		
IC1		* CAP50112-344Q	IC(MICROPROCESSOR)		
IC2 ,3		* CYP-7091	IC (EXPANSION)		
IC4		* Y849021AF	IC (SERVO MOTOR)		
IC5		* RST5260	IC (SYSTEM RESET)		
IC6		UPD4069UBC	IC (INVERTER X6)		
IC7 ,8		NJM4558D	IC(OP AMP X2)		
Q1 -10		DTA143EK	DIGITAL TRANSISTOR		
Q11		DTA143EK	DIGITAL TRANSISTOR		
Q12		DTA144EK	DIGITAL TRANSISTOR		
Q13 ,14		2SC1740S(Q,R)	TRANSISTOR		
Q13 ,14		2SC3311A(Q,R)	TRANSISTOR		
Q15		2SA1534A	TRANSISTOR		
Q16		2SC1740S(Q,R)	TRANSISTOR		
Q16		2SC3311A(Q,R)	TRANSISTOR		
Q17		2SB941(Q,P)	TRANSISTOR		
Q18 ,19		2SC1740S(Q,R)	TRANSISTOR		
Q18 ,19		2SC3311A(Q,R)	TRANSISTOR		
Q20		2SA1309A(Q,R)	TRANSISTOR		
Q20		2SA933S(Q,R)	TRANSISTOR		
Q21		2SD1266(Q,P)	TRANSISTOR		
Q22		2SC1740S(Q,R)	TRANSISTOR		
Q22		2SC3311A(Q,R)	TRANSISTOR		
Q23		2SD1266(Q,P)	TRANSISTOR		
Q24		2SA1534A	TRANSISTOR		
Q25 -28		DTC114TK	DIGITAL TRANSISTOR		
A1	1A	W02-0975-05	ELECTRIC CIRCUIT MODULE		M

L:Scandinavia K:USA P:Canada
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△ indicates safety critical components

KT-6040

SPECIFICATIONS

For Canada and General market

FM Tuner Section

Tuning frequency range	87.5MHz – 108MHz
Usable sensitivity (MONO)	0.95 μ V/10.8dBf
50 dB quieting sensitivity	
MONO	1.8 μ V/16.2dBf
STEREO	24 μ V/38.8dBf
Total harmonic distortion (at 1kHz)	
MONO	0.007% (WIDE)
STEREO	0.015% (WIDE)
Signal to noise ratio (at 1kHz, 85dBf input)	
MONO	92dB
STEREO	86dB
Stereo separation	
1kHz	62dB (WIDE)
Capture ratio	1.0dB (WIDE), 2.5dB (NARROW)
Alternate channel selectivity	
(\pm 400kHz)	60dB (WIDE)
Image rejection ratio (at 98 MHz)	90dB
IF rejection ratio (at 98MHz)	110dB
Spurious rejection ratio (at 98MHz)	100dB
AM suppression ratio	70dB
Frequency response (30Hz – 15kHz)	+0.5dB, -1.0dB
Output level/Impedance	
(at 1kHz, 100% dev.)	0.8V/600 Ω

AM Tuner Section

Tuning frequency range	
531kHz – 1,602kHz	9kHz step
530kHz – 1,610kHz	10kHz step
Usable sensitivity	10 μ V (250 μ V/m)
Signal to noise ratio	
(at 30% mod. 1mV input)	55dB
Total harmonic distortion	0.25%
Image rejection ratio (Loop)	40dB
Selectivity	30dB
Output level/Impedance	
(at 30% mod.)	0.24V/0.6k Ω

General

Power consumption	20W
Dimension	W: 440mm H: 97mm D: 331mm
Weight	4.5kg

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

KENWOOD poursuit une politique de progrès constants en ce qui concerne le développement. Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

KENWOOD strebt ständige, Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

For Europe, Australia and U.K.

FM Tuner Section

Tuning frequency range	87.5MHz – 108MHz
Usable sensitivity (DIN)	
MONO	0.7 μ V
STEREO	25 μ V
Limiting level (DIN at 75 Ω)	0.45 μ V
Total harmonic distortion (DIN at 1kHz)	
MONO	0.007% (WIDE)
STEREO	0.015% (WIDE)
Signal to noise ratio	
(DIN weighted at 1kHz, 65.2dBf input)	
MONO	88dB
STEREO	76dB
Stereo separation (DIN)	
1kHz	62dB (WIDE)
6.3kHz	55dB (WIDE)
Capture ratio	1.0dB (WIDE)
Alternate channel selectivity	
(DIN \pm 300kHz)	75dB (NORMAL)
Image rejection ratio (at 98 MHz)	90dB
IF rejection ratio (at 98MHz)	110dB
Spurious rejection ratio (at 98MHz)	100dB
AM suppression ratio	70dB
Frequency response (30Hz – 15kHz)	+0.5dB, -1.0dB
Output level/Impedance	
(at 1kHz, 100% dev.)	0.8V/600 Ω

AM Tuner Section

Tuning frequency range	531kHz – 1,602kHz
Usable sensitivity	10 μ V (250 μ V/m)
Signal to noise ratio	
(at 30% mod. 1mV input)	55dB
Total harmonic distortion	0.25%
Image rejection ratio (Loop)	40dB
Selectivity	30dB
Output level/Impedance	
(at 30% mod.)	0.24V/0.6k Ω

General

Power consumption	20W
Dimension	W: 440mm H: 97mm D: 331mm
Weight	4.5kg

KENWOOD CORPORATION

Shionogi Shibuya Building, 17-5, 2-chome Shibuya, Shibuyaku, Tokyo 150, Japan

KENWOOD U.S.A. CORPORATION

2201 East Dominguez Street, Long Beach, CA 90810,
550 Clark Drive, Mount Olive, NJ 07828, U.S.A.

KENWOOD ELECTRONICS CANADA INC.

P.O. BOX 1075, 959 Gana Court, Mississauga, Ontario, Canada L4T 4C2

TRIO-KENWOOD U.K. LTD.

KENWOOD House, Dwight Road, Watford, Herts., Wd1 8eb United Kingdom

KENWOOD ELECTRONICS BENELUX N.V.

Mechelsesteenweg 418 B-1930 Zaventem, Belgium

KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrücker-Str. 15, 6056 Hausenstamm, Germany

TRIO-KENWOOD FRANCE S.A.

13 Boulevard Ney, 75018 Paris, France

KENWOOD LINEAR S.p.A.

20125, MILANO-VIA ARBE, 50, ITALY

KENWOOD ELECTRONICS AUSTRALIA PTY, LTD. (INCORPORATED IN NSW)

4E Woodcock Place, Lane Cove, N.S.W. 2066, Australia

KENWOOD & LEE ELECTRONICS, LTD.

Wang Kee Building, 4th Floor, 34-37, Connaught Road, Central, Hong Kong