

Service Manual

and Technical Guide

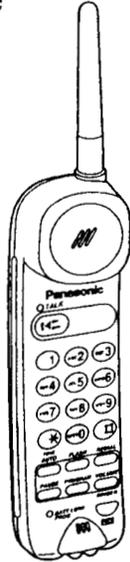
Telephone Equipment



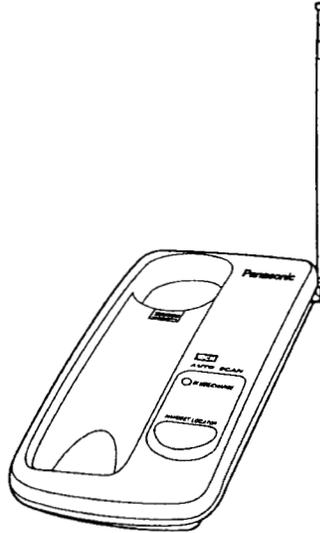
Cordless Phone

KX-T3908-B

(for U.S.A.)



(KX-T3908R-B)



(KX-T3908H-B)

SPECIFICATIONS \ ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ
DISASSEMBLY INSTRUCTIONS \ ПОРЯДОК РАЗБОРКИ
CPU DATA (KX-T3908H-B) \ ИНФОРМАЦИЯ О ПРОЦЕССОРЕ (KX-T3908H-B)
CPU DATA (KX-T3908R-B) \ ИНФОРМАЦИЯ О ПРОЦЕССОРЕ (KX-T3908R-B)
EXPLANATION OF IC TERMINALS \ ФУНКЦИОНАЛЬНОЕ НАЗНАЧЕНИЕ ВЫВОДОВ МИКРОСХЕМ
ADJUSTMENTS (KX-T3908H-B) \ РЕГУЛИРОВКИ (KX-T3908H-B)
SCHEMATIC DIAGRAM (KX-T3908H-B) \ ПРИНЦИПИАЛЬНАЯ СХЕМА (KX-T3908H-B)
SCHEMATIC DIAGRAM (KX-T3908R-B) \ ПРИНЦИПИАЛЬНАЯ СХЕМА (KX-T3908R-B)
ADJUSTMENTS (KX-T3908R-B) \ РЕГУЛИРОВКИ (KX-T3908R-B)
FREQUENCY TABLE \ ТАБЛИЦА РАБОЧИХ ЧАСТОТ
ACCESSORIES AND PACKING MATERIALS \ ПРИНАДЛЕЖНОСТИ И УПАКОВОЧНЫЕ МАТЕРИАЛЫ
RF SPECIFICATIONS \ ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ ВЫСОКОЧАСТОТНОГО БЛОКА
HOW TO CHECK THE PORTABLE HANDSET SPEAKER \ ПРОВЕРКА ДИНАМИКА ТРУБКИ
BLOCK DIAGRAM (KX-T3908H-B) \ БЛОК-СХЕМА (KX-T3908H-B)
BLOCK DIAGRAM (KX-T3908R-B) \ БЛОК-СХЕМА (KX-T3908R-B)
CABINET AND ELECTRICAL PARTS LOCATION (KX-T3908H-B) \ РАСПОЛОЖЕНИЕ ЧАСТЕЙ КОРПУСА И ЭЛЕКТРИЧЕСКИХ ЧАСТЕЙ (KX-T3908H-B)
CABINET AND ELECTRICAL PARTS LOCATION (KX-T3908R-B) \ РАСПОЛОЖЕНИЕ ЧАСТЕЙ КОРПУСА И ЭЛЕКТРИЧЕСКИХ ЧАСТЕЙ (KX-T3908R-B)
REPLACEMENT PARTS LIST (KX-T3908H-B) \ СПИСОК ЗАПАСНЫХ ЧАСТЕЙ (KX-T3908H-B)
REPLACEMENT PARTS LIST (KX-T3908R-B) \ СПИСОК ЗАПАСНЫХ ЧАСТЕЙ (KX-T3908R-B)

Panasonic

©1995 Kyushu Matsushita Electric Co., Ltd.
All rights reserved. Unauthorized copying and distribution is a violation of law.

■ SPECIFICATIONS

General

Modulation:	FM, 5 kHz Deviation	Pause:	3.5 seconds per pause
Frequency Stability:	±2.5 kHz	Memory Capacity:	10 telephone numbers, up to 16 digits per station
Dial Type:	Tone (DTMF)/Pulse		
Redial:	Last dialed number each time the Redial button is pressed		

	Base Unit (KX-T3908H-B)	Portable Handset (KX-T3908R-B)
Power Source: (Receiver Section)	AC adaptor KX-A10 (DC 12 V)	Built-in rechargeable Ni-Cd battery (PQXA36ASVC)
Receiving Frequency:	10 channels within 49.6 to 49.9 MHz	10 channels within 46.6 to 46.9 MHz
Adjacent Channel Rejection:	40 dB	40 dB
Sensitivity: (Transmitter Section)	1 dB μ V for 20 dB S/N	2 dB μ V for 20 dB S/N
Transmitting Frequency:	10 channels within 46.6 to 46.9 MHz	10 channels within 49.6 to 49.9 MHz
Jacks:	DC IN, Telephone line	
Antenna:	Telescopic	Rubber Flexible
Speaker:	2" (5 cm) PM dynamic	1 ³ / ₁₆ " (3 cm) dynamic
Microphone:	Condenser microphone	Condenser microphone
Dimensions (H×W×D):	2"×4 ³ / ₄ "×8 ²⁵ / ₃₂ " (51×121×223 mm)	11 ¹ / ₁₆ "×2"×1 ¹⁵ / ₁₆ " (281×51×49 mm)
Weight:	0.66 lbs. (300 g)	0.46 lbs. (210g) with battery

Design and specifications are subject to change without notice.

DISASSEMBLY INSTRUCTIONS

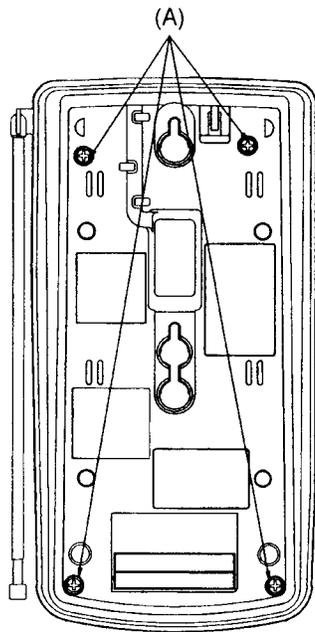


Fig. 4

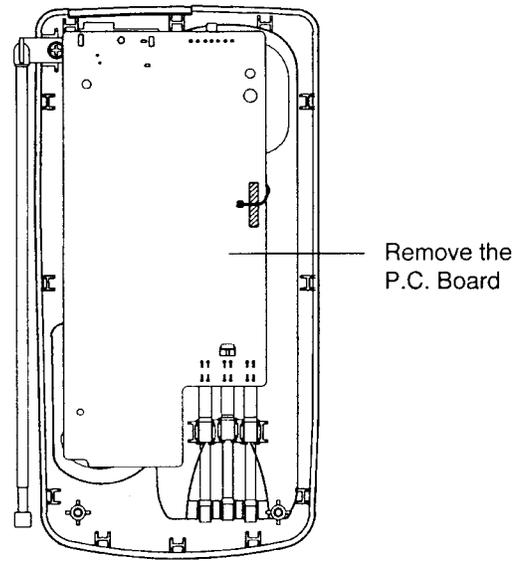


Fig. 5

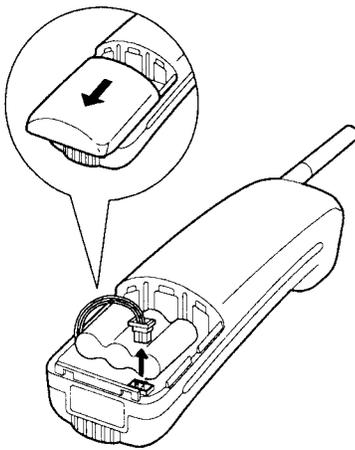


Fig. 6

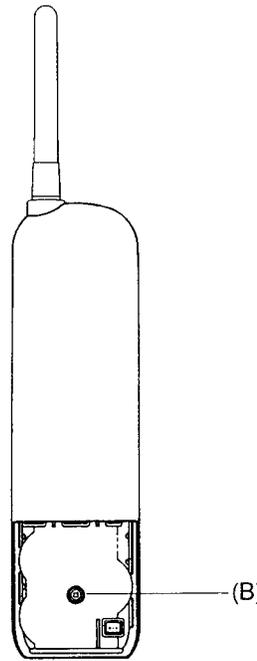


Fig. 7

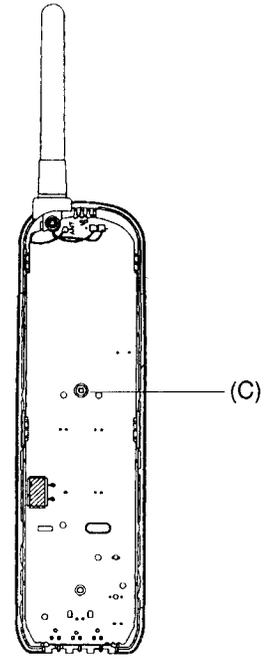


Fig. 8

Ref. No.	Procedure	Shown in Fig.—	To remove—.	Remove—.
1	1	4	Lower Cabinet	Screws (3×14)..... (A)×4
2	1, 2	5	Printed Circuit Board	Remove the P.C. Board
3	3, 4	6	Rear Cabinet	Remove the battery compartment cover
4		7		Screw (2.6×12)..... (B)×1
5	3~5	8	Printed Circuit Board	Screw (2.6×10)..... (C)×1

CPU DATA (KX-T3908H-B)

IC1 MN150409KRF

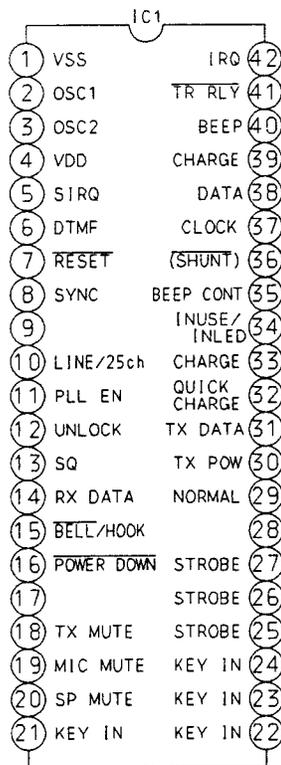


Fig. 9

Pin No.	Description	I/O	High	High-Z	Low	Pin No.	Description	I/O	High	High-Z	Low
1	GND				GND	25	Option Strobe	O		Normal	Active
2	CPU Clock	I				26	Option Strobe	O		Normal	Active
3	(3.581MHz)	O				27	Option Strobe	O		Normal	Active
4	VDD					28	Not Used				
5	Ext. Interrupt Input	I	Normal			29	Charge Current	O	Trickle		Normal
6	DTMF	O	Normal		(Active)	30	TX POWER	O	ON		OFF
7	Reset	I	Normal		Reset	31	TX DATA	O	1		0
8	Not Used					32	Not Used				
9	TONE/PULSE SW	I	TONE		PULSE	33	Not Used				
10	Not Used					34	IN USE LED	O		OFF	ON
11	PLL EN	O	Active		Normal	35	Not Used				
12	PLL Unlock	I	Unlock		Lock	36	Not Used				
13	SQUELCH	I	Electric Feild High		Electric Feild Low	37	Serial Clock	O	Normal		(Active)
14	RX DATA	I	1		0	38	Serial Data	O	(Active)		(Active)
15	Bell/(Hook)	I	Off Hook		Bell in	39	Charge	I	Charge		Non
16	Power Down	I	Normal		Down	40	Not Used				
17	Not Used					41	TR-RLY	O		OFF	ON
18	Not Used					42	Ext. Interrupt Input	I	Normal		
19	Not Used										
20	Not Used										
21	Key in	I/O	Normal		Key in						
22	Key in	I/O	Normal		Key in						
23	Key in	I/O	Normal		Key in						
24	Key in	I/O	Normal		Key in						

CPU DATA (KX-T3908R-B)

IC4 PQVI0006G505

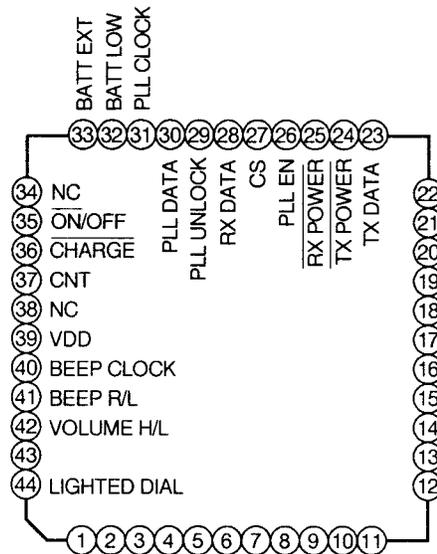


Fig. 10

Pin No.	Description	I/O	High	High-Z	Low	Pin No.	Description	I/O	High	High-Z	Low
1	Option Strobe 1	O	Normal		Active	25	RX Power	O	Off		On
2	Option Strobe 0	O	Normal		Active	26	PLL En	O	Latch		Normal
3	Key Strobe 4	O	Normal		Active	27	Squelch	I	Electric Field Low		Electric Field High
4	Key Strobe 3	O		Normal	Active	28	RX Data	I	(Data)		Normal
5	Key Strobe 2	O		Normal	Active	29	PLL Unlock	I	Unlock		Lock
6	Key Strobe 1	O		Normal	Active	30	PLL Data	O	(Data)		Normal
7	Key Strobe 0	O		Normal	Active	31	PLL Clock	O	(Clock)		Normal
8	Key In 3	I	Off		On	32	Batt Low	I	High		Low
9	Key In 2	I	Off		On	33	Battery	I	High		Low
10	Key In 1	I	Off		On	34	Not Used				
11	Key In 0	I	Off		On	35	On/Off	I	Off		On
12	Not Used					36	Charge (Battery Terminal)	I	Normal		Charge
13	Not Used					37	Charge (Control)	I	Charger		Base Unit
14	LED (BATT LOW)	O		Off	On	38	Internally Conn.				
15	LED (TALK)	O		Off	On	39	VDD				
16	Not Used					40	Beep Clock	O	Normal		(Clock)
17	GND					41	Beep Control	O	Low		High
18	Sub Clock	I				42	RX Volume Selector	O	Low		High
19	(32.768kHz)	I				43	Not Used				
20	Reset	I	Normal		Reset	44	Not Used				
21	Main Clock	I									
22	(3.99MHz)	I									
23	TX Data	O	(Data)		Normal						
24	TX Power	O	Off		On						

EXPLANATION OF IC TERMINALS

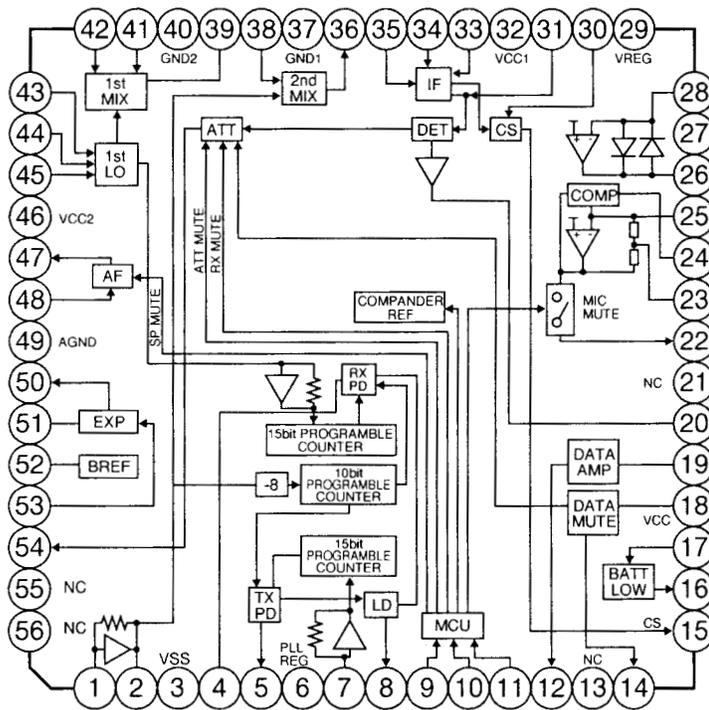


Fig. 11

Part No. AN6185FA
 IC2: Base Unit
 IC1: Portable Handset

Pin No.	Description	Pin No.	Description
1	2Lo-IN	29	VREG
2	2Lo-OUT	30	CS-HiCut
3	VSS	31	Quad
4	RX-PD	32	VCC1
5	TX-PD	33	IF-PASS
6	PLL-REG	34	IF-IN
7	fINT	35	IF-PASS
8	LD	36	2MIX-OUT
9	DATA	37	GND1
10	EN	38	2MIX-IN
11	CLK	39	1MIX-OUT
12	DATA-AMP OUT	40	GND2
13	NC	41	RF-IN
14	DATA-MUTE CONT	42	RF-IN
15	CS-OUT	43	VA-CONT
16	Batt-Lo	44	1st-Lo
17	Batt-CONT	45	1st-Lo
18	DATA-MUTE IN	46	VCC2
19	DATA-AMP IN	47	AF-OUT
20	IF-DET-OUT	48	AF-AMP IN
21	NC	49	AGND
22	COMP-OUT	50	EXP-OUT
23	COMP-REF	51	EXP-DET
24	C-DET	52	BREF
25	COMP-IN	53	EXP-IN
26	MIC-OUT	54	ATT-OUT
27	NC	55	NC
28	MIC-IN	56	NC

ADJUSTMENTS (KX-T3908H-B)

If your unit have below symptoms, adjust each item using remedy column from the table.

Symptom	Remedy
The base unit dose not respond to a call from portable handset.	Make adjustments in item(A)
The base unit dose not transmit or the transmit frequency is off.	Make adjustments in item(B)
The transmit frequency is off.	Make adjustments in item(C)
The transmit power output is low, and the operating distance between base unit and portable handset is less than normal.	Make adjustments in item(D)
The reception sensitivity of base unit is low with noise.	Make adjustments in item(E)
The transmit level is large or small.	Make adjustments in item(F), (G)
The reception level is large or small.	Make adjustments in item(H)
The unit does not link.	Make adjustments in item(I)

Unit condition:

Remove the antenna from P.C Board of the base unit.

How to set the test mode:

1. CH10 Test Mode

Set S1 to OFF(Power OFF)



While pressing S21, set S1 to ON.
After pressing S1 for 1second,
set S21 to OFF(unit becomes
CH10 talk test mode).

2. CH5 Test Mode

Set S1 to OFF(Power OFF)



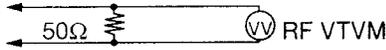
While pressing S21 and S22, set S1 to ON.
After pressing S1 for 1second,
set S21 and S22 to OFF(unit becomes
CH5 talk test mode).

- Every time pressing S22, unit changes as follow.
Talk → Standby → Talk → Standby
- Every time pressing S21, unit changes as follow.
CH10 → CH1 → CH2 → CH3.....CH9 → CH10
- When setting S1 to OFF, unit releases from test mode.

When replacing these parts, adjust as shown in table below table.

Replace Parts	Adjustment items	Test Mode	Adjustment Point	Procedure
IC2, T3	(A) RX VCO Adjustment	CH10 Talk	T3	1. Set S1, S5 to ON. 2. Adjust T3 so that the reading of the Digital Voltmeter is $1.4V \pm 0.2 V$.
D1 ,D2, T5	(B) TX VCO Adjustment	CH10 Talk	T5	1. Set S1, S4 to ON. 2. Adjust T5 so that the reading of the Digital Voltmeter is $2.1 V \pm 0.2 V$.
DUP1, T2, TC1, X2	(C) TX Frequency Adjustment	CH10 Talk	TC1	1. Set S1, S6 to ON. 2. Adjust TC1 so that the reading of the frequency counter is $46.970 \text{ MHz} \pm 200 \text{ Hz}$.

When replacing these parts, adjust as shown in table below.

Replace Parts	Adjustment items	Test Mode	Adjustment Point	Procedure
T4, Q4	(D) TX Power Adjustment	CH10 Talk	T4	1. Set S1, S7 to ON.  2. Adjust T4 so that the reading of the RF VTVM is $230\text{mV} \pm 10\text{mV}$ (clock wise from peak) .
T1	(E) RX Sensitivity Adjustment	CH5 Talk	T1	1. Set S1, S9, S10 to ON. 2. Apply a $40\text{dB } \mu\text{Vemf}$ output from S.S.G. (modulation frequency 1kHz, dev. 3kHz). 3. Adjust T1 so that the reading of the RF VTVM is maximum output.
T2	(F) Line Output Maximum Adjustment	CH5 Talk	T2	1. Set S1, S3, S9 to ON. 2. Apply a $40\text{dB } \mu\text{Vemf}$ output from S.S.G. (modulation frequency 1kHz, dev. 3kHz), and adjust T2 so that reading of the AF VTVM is maximum output.
VR102	(G) Line Output Level Adjustment	CH5 Talk	VR102	1. Set S1, S3, S9 to ON. 2. Apply a $40\text{dB } \mu\text{Vemf}$ output from S.S.G. (modulation frequency 1kHz, dev. 3kHz). 3. Adjust VR102 so that the reading of the AF VTVM is $-5\text{dBm} \pm 0.5\text{dBm}$ (600Ω load).
VR101	(H) Line Input Modulation Adjustment	CH5 Talk	VR101	1. Set S1, S2, S8, S9 to ON. 2. Input via loop simulator 1.0kHz, -20.0dBm (measured at T-R) signal. 3. Apply a $40\text{dB } \mu\text{Vemf}$ output from S.S.G. (modulation frequency 1kHz, dev. 0kHz). 4. Adjust VR101 so that the reading of the FM Deviation Meter is $3.5\text{kHz} \pm 0.1\text{kHz}$.
VR103, IC2	(I) CPU Data Modulation Factor Adjustment	CH5 Talk	VR103	1. Set S1, S11 to ON. 2. Apply a $0\text{dB } \mu\text{Vemf}$ output from S.S.G. (modulation frequency 1kHz, dev. 0kHz). 3. Adjust VR103 so that the oscilloscope becomes Low→High.

The connection of adjustment equipments are as shown in pages 13, 14.

■ FOR SCHEMATIC DIAGRAM [KX-T3908H-B (pages 17, 18)]

1. S1: Dialing Mode Selector Switch.
2. S2: Handset Locator Switch.
3. DC voltage measurements are taken with electronic voltmeter from negative voltage line.

This schematic diagram may be modified at any time with development of new technology.

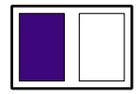
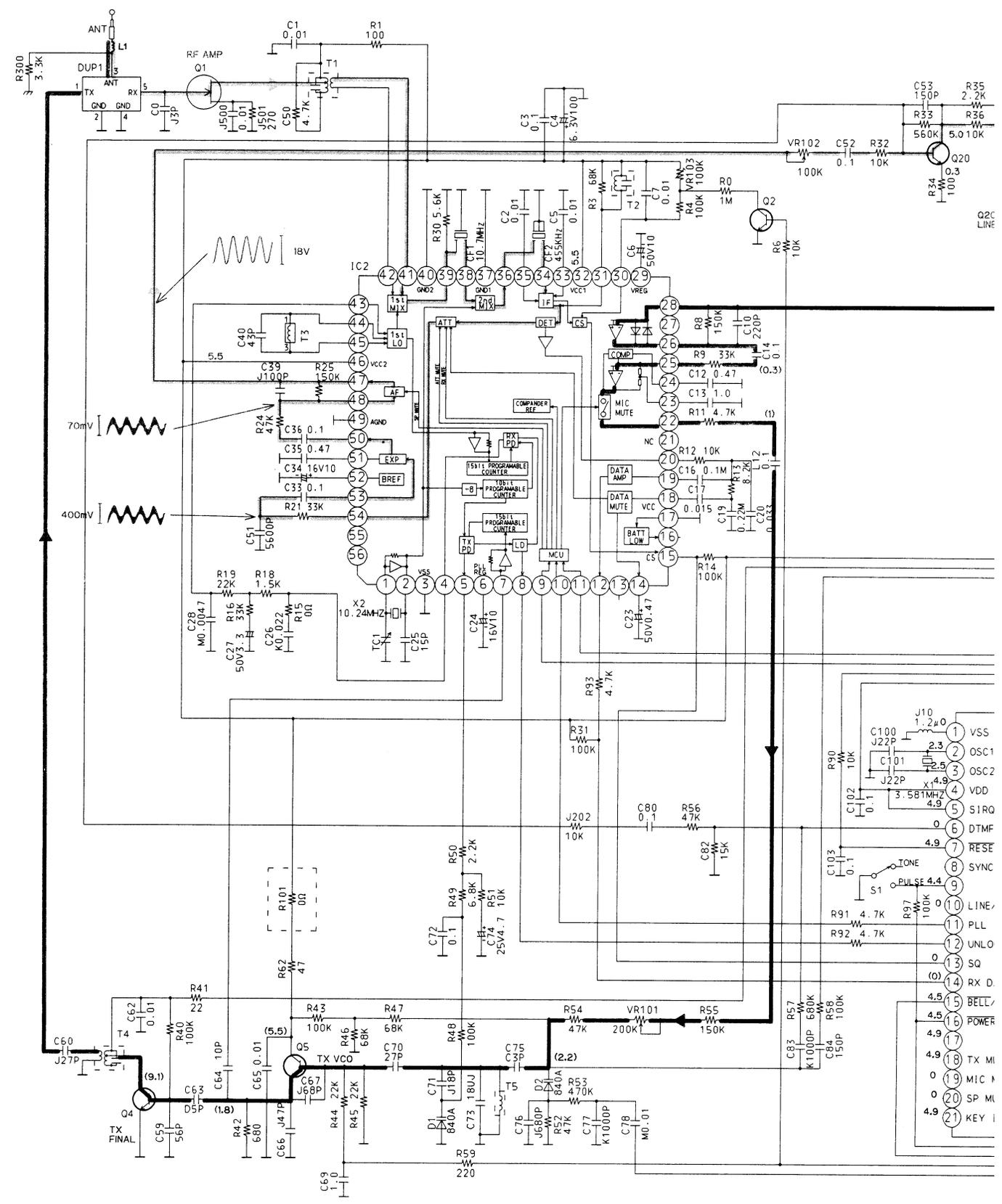
— Important Safety Notice —

The shaded area on this schematic diagram incorporates special features important for protection from fire and electrical shock hazards. When servicing it is essential that only manufacturer's specified parts be used for the critical components in the shaded areas of the schematic.

SCHEMATIC DIAGRAM

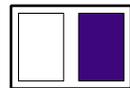
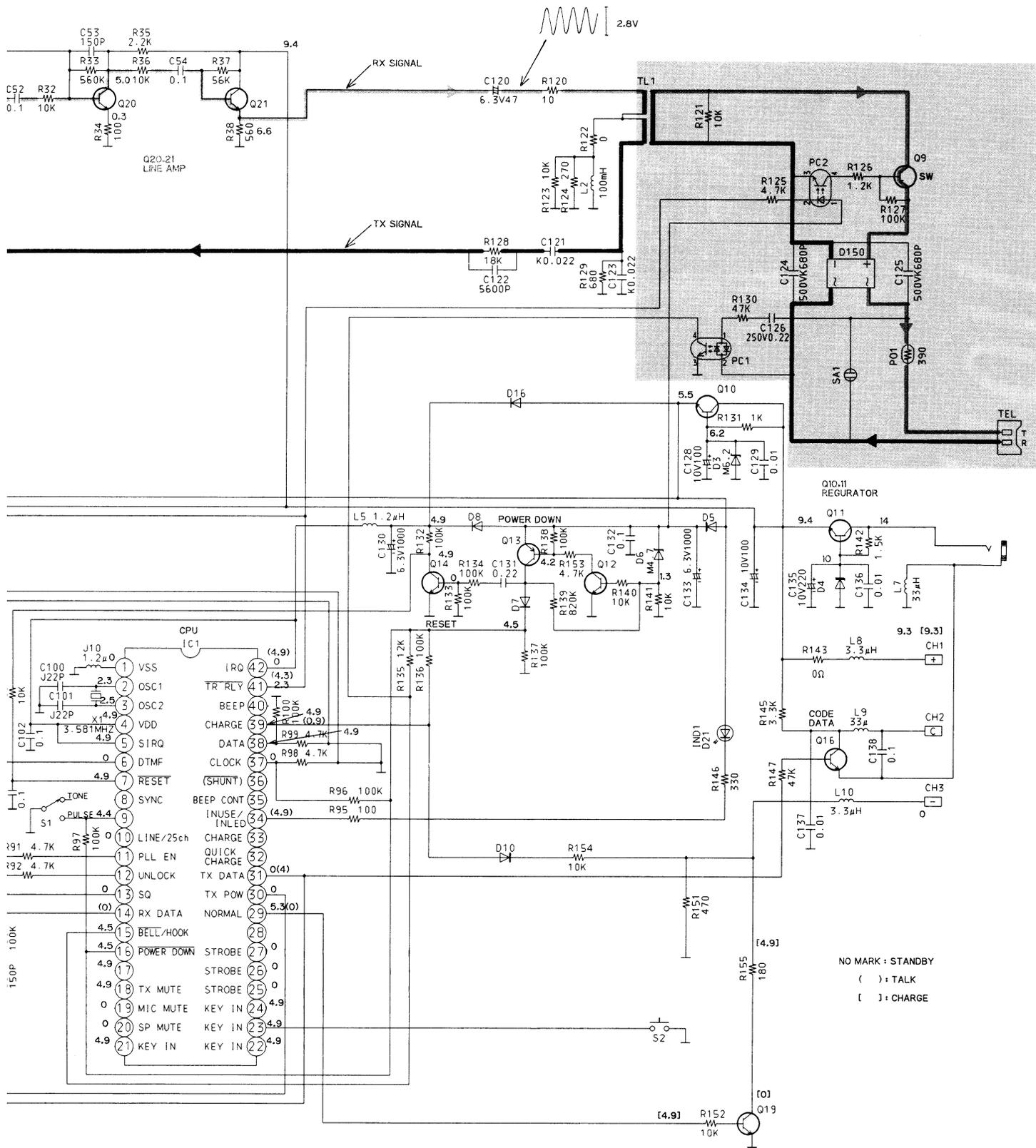
1 2 3 4 5 6

A
B
C
D
E
F
G
H



TIC DIAGRAM (KX-T3908H-B)

6 | 7 | 8 | 9 | 10 | 11 | 12



SCHEMATIC DIAGRAM (KX-

1 2 3 4 5 6

A
B
C
D
E
F
G
H

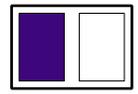
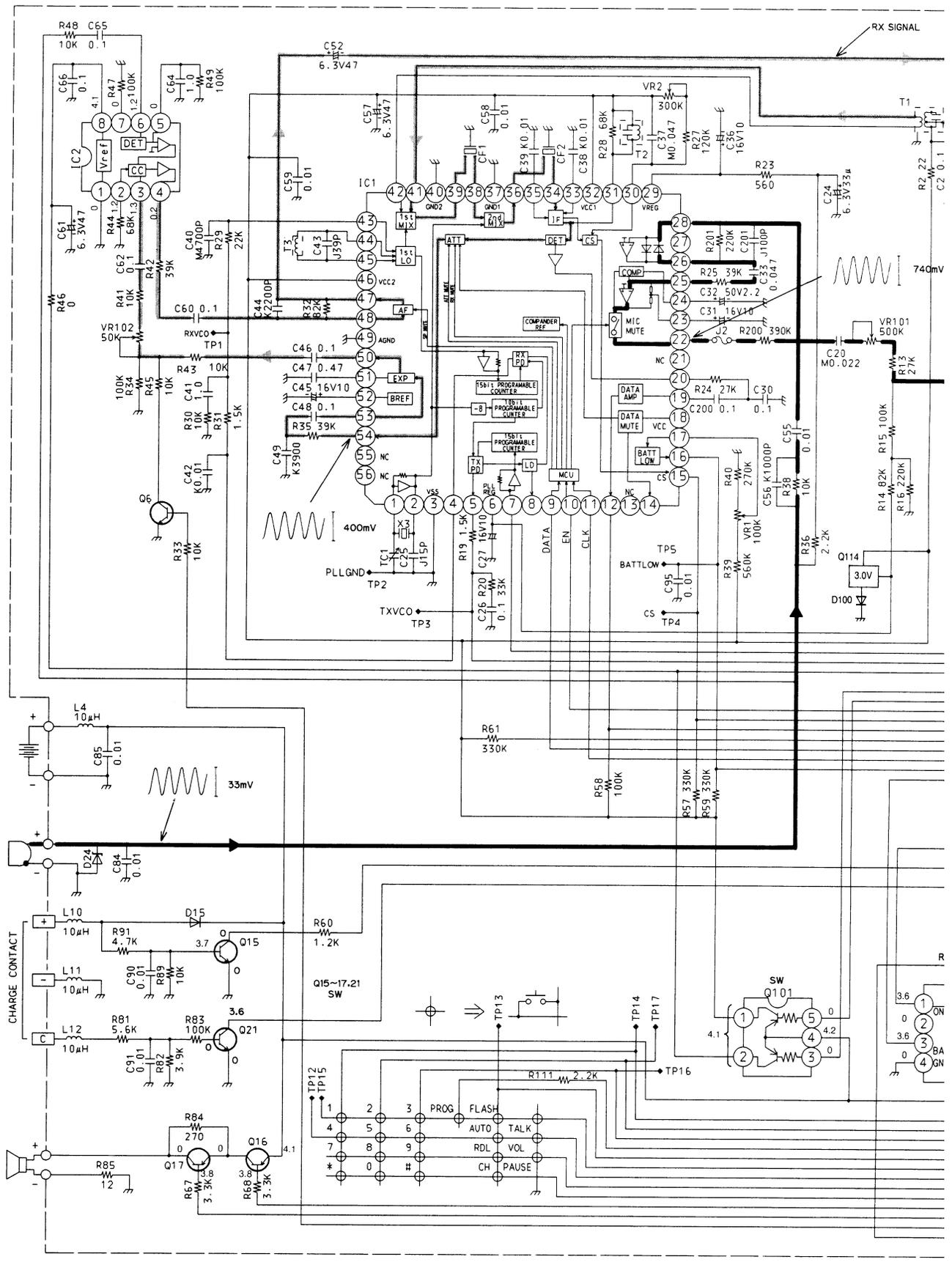


DIAGRAM (KX-T3908R-B)

6

7

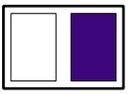
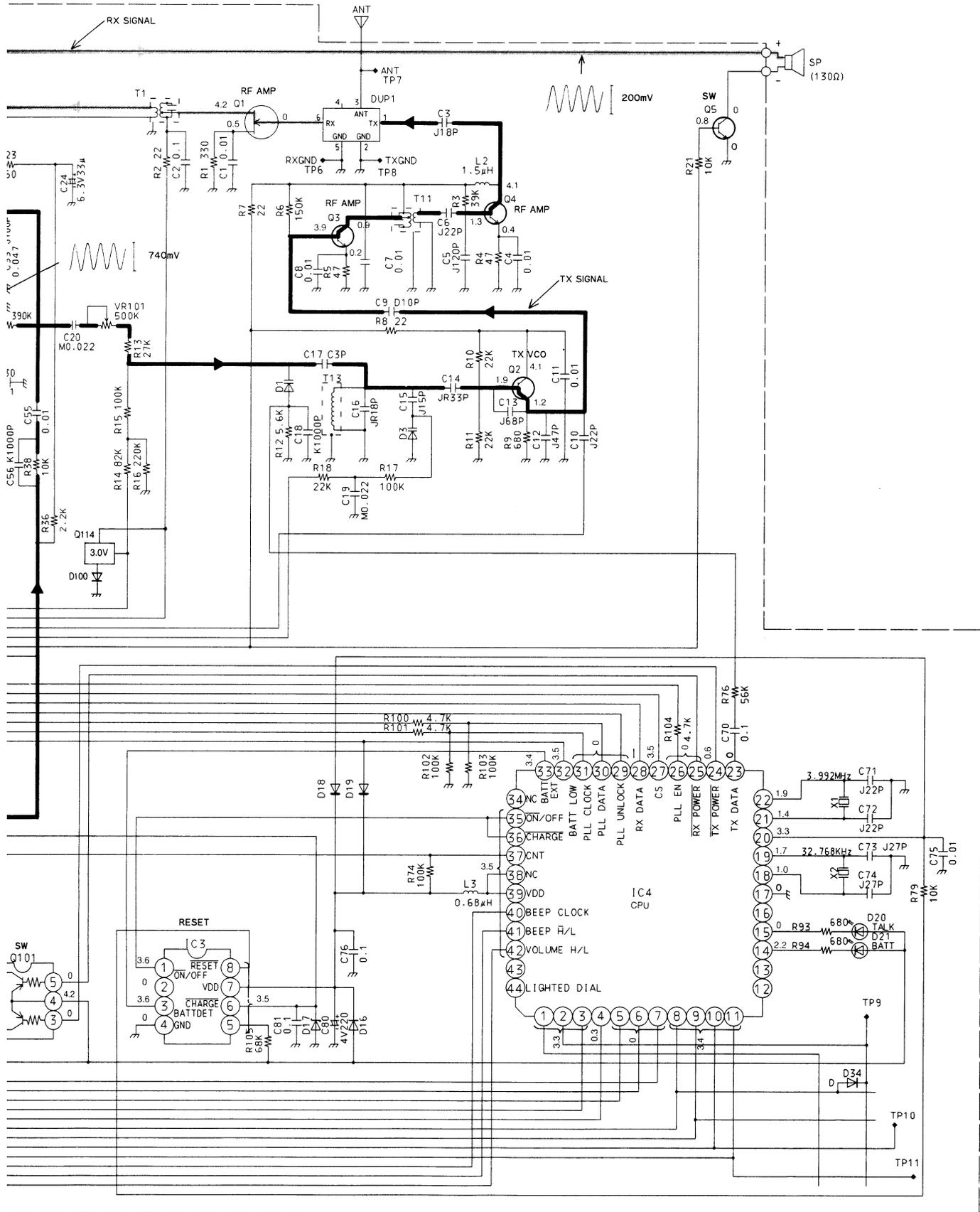
8

9

10

11

12



ADJUSTMENTS (KX-T3908R-B)

If your unit have below symptoms, adjust each item using remedy column from the table.

Symptom	Remedy
The movement of Battery Low Indicator is wrong.	Make adjustments in item(A)
The base unit dose not respond to a call from portable handset.	Make adjustments in item(B)
The base unit dose not transmit or the transmit frequency is off.	Make adjustments in item(C)
The transmit frequency is off.	Make adjustments in item(D)
The transmit power output is low, and the operating distance between base unit and portable handset is less than normal.	Make adjustments in item(E)
The reception sensitivity of base unit is low with noise.	Make adjustments in item(F)
Does not link between base unit and portable handset.	Make adjustments in item(G), (H)
The reception level is large or small.	Make adjustments in item(I)
The transmit level is large or small.	Make adjustments in item(J)

Unit condition:

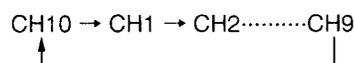
1. Remove the antenna lead wire from P.C Board of portable handset.
2. Power Supply: DC 3.9V
3. Volume switch: HIGH
4. Speaker Load: 130Ω

How to set the test mode.

CH10 Test Mode

1. After connecting the diode D33, and apply a power supply DC 3.9 V.
(The unit becomes CH10 Talk)
2. Press the talk switch.
(The unit becomes CH10 standly)
3. Press the Talk Switch.

4. Press the cannal switch,



When replacing these parts, adjust as shown in table below.

Replace Parts	Adjustment items	Test Mode	Adjustment Point	Procedure
VR1	(A) Battery Low Adjustment	CH10 Talk	VR1	1. Set S1 to ON. 2. Set the power supply voltage to DC 3.57V, and adjust VR1 so that the reading of oscilloscope is High → Low.
IC1, TC1, X3, T13	(B) TX VCO Voltage Adjustment	CH10 Talk	T13	1. Set S2 to ON. 2. Adjust T13 so that the reading of digital voltmeter is 2.0 V ±0.1 V.
IC1, TC1, X3, T3	(C) RX VCO Voltage Adjustment	CH10 Talk	T3	1. Set S3 to ON. 2. Adjust T3 so that the reading of digital voltmeter is 1.4 V ±0.1 V.
TC1, X3, IC1	(D) TX frequency Adjustment	CH10 Talk	TC1	1. Set S4 to ON. 2. Adjust TC1 so that the reading of frequency counter is 49.970 MHz ±200 Hz.

When replacing these parts, adjust as shown in table below.

Replace Parts	Adjustment items	Test Mode	Adjustment Point	Procedure
T11	(E) TX Output Adjustment	CH10 Talk	T11	1. Set S5 to ON. 2. Adjust T11 for 280mV~430mV output on RF VTVM.
T1, T3	(F)RX Adjustment (Speaker Output) (2nd IF Output)	CH1 Talk	T2 T1	1. Set S6, S7, S8, to ON. 2. Apply a 45 dB μ Vemf output from S.S.G. (modulation frequency 1 kHz, dev. 3kHz) 3. Adjust T2 so that the reading of AF VTVM is maximum output. 4. Apply a 45 dB μ Vemf output from S.S.G. (modulation frequency 1kHz, dev. 3kHz) 5. Adjust T1 so that the reading of RF VTVM is maximum output.
VR2	(G) Carrier Sensitivity Adjustment	CH1 Stand-by	VR2	1. Set S6, S9 to ON. 2. Apply a 7 dB μ Vemf output from S.S.G.(modulation frequency 1kHz, dev. 0kHz) and adjust VR2 when oscilloscope becomes to low.
	(H) Data Moudulation of Confirmation	CH10 Talk	—	1. Set S4 to ON. 2. Keep pressing the flash button. 3. Confirm for a 6.0~9.0 kHz FM Deviation Meter reading.
VR102	(I) Speaker Output Levle Adjustment	CH10 Talk	VR102	1. Set S6, S8 to ON. 2. Apply a 45 dB μ Vemf output from S.S.G.(modulation frequency 1kHz, dev. 3kHz). 3. Adjust VR102 so that the reading of AF VTVM is -27dBm.
VR101	(J) MIC Modulation Factor Adjustment	CH10 Talk	VR101	1. Set S4, S10 to ON. 2. Apply a MIC signal (1kHz, -40 dBm at 600 Ω load). 3. Adjust VR 101 so that the reading of FM Deviation Meter is 2.5kHz \pm 0.1kHz.

The connections of adjustment equipments are as shown in pages 23, 24.

■ For SCHEMATIC DIAGRAM [KX-T3908R-B (Pages 19, 20)]

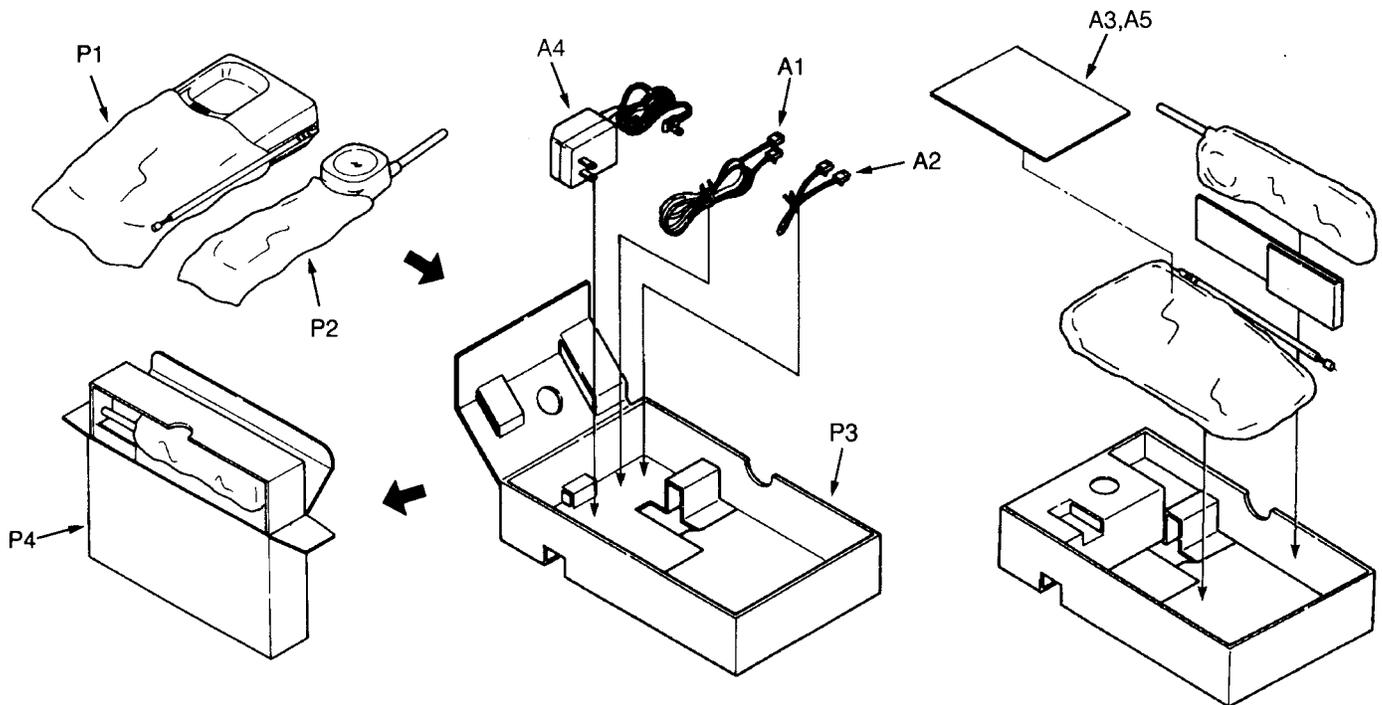
1. SW1~10, 12: Dialing Switch
2. SW11: Tone Switch
3. SW13: Program Switch
4. SW14: Flash Switch
5. SW15: Auto Switch
6. SW16: Redial Switch
7. SW17: Channel Switch
8. SW19: Talk Switch
9. SW20: Volume/Ringer Switch
10. SW21: Pause Switch
11. DC voltage measurements are taken with electronic voltmeter from negative voltage line.
(Talk Posittion)

This schematic diagram may be modified at any time with the development of new technology.

FREQUENCY TABLE (MHz)

	KX-T3908H-B		KX-T3908R-B	
	Transmit Frequency	Receive Frequency	Transmit Frequency	Receive Frequency
CH1	46.610	49.670	49.670	46.610
CH2	46.630	49.845	49.845	46.630
CH3	46.670	49.860	49.860	46.670
CH4	46.710	49.770	49.770	46.710
CH5	46.730	49.875	49.875	46.730
CH6	46.770	49.830	49.830	46.770
CH7	46.830	49.890	49.890	46.830
CH8	46.870	49.930	49.930	46.870
CH9	46.930	49.990	49.990	46.930
CH10	46.970	49.970	49.970	46.970

ACCESSORIES AND PACKING MATERIALS



RF SPECIFICATION

BASE UNIT (KX-T3908H-B)

Item	Value	Refer to —.	Remarks
TX Frequency	46.970 MHz \pm 200Hz	Page 11 (C)	at CH10
TX Power	230 mV \pm 10mV	Page 12 (D)	
TX Modulation factor	3.3 kHz~3.7 kHz	—	
TX Modulation Distortion	Less than 7%	—	
TX Max. Modulation factor	5.5 kHz~6.5 kHz	—	
Data Modulation factor	5.5 kHz~6.5 kHz	—	

PORTABLE HANDSET (KX-T3908R-B)

Item	Value	Refer to —.	Remarks
Practical Sensitivity	Less than 9 dB μ V	—	at CH5
Carrier Sensitivity	Less than 10 dB μ V	—	
TX Frequency	49.970 MHz \pm 200Hz	Page 25 (D)	at CH10
TX Output	280 mV~430 mV	Page 26 (E)	at CH10 (Antenna soldering point 50 Ω Load)
Data Modulation factor	6.0 kHz/dev~9.0 kHz/dev	Page 26 (H)	at CH10
MIC Modulation factor	2.2 kHz/dev~2.8 kHz/dev	—	at CH10 (MIC terminal -40dBm Input)

HOW TO CHECK THE PORTABLE HANDSET SPEAKER

1. Prepare the digital voltmeter, and set the selector knob to ohm meter.
2. Put the probes at the speaker terminals as shown in Fig.13
- 3.

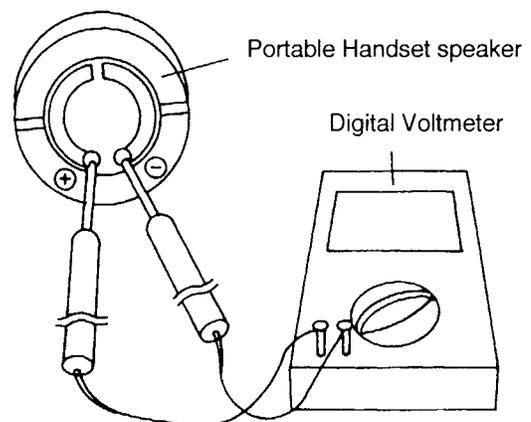
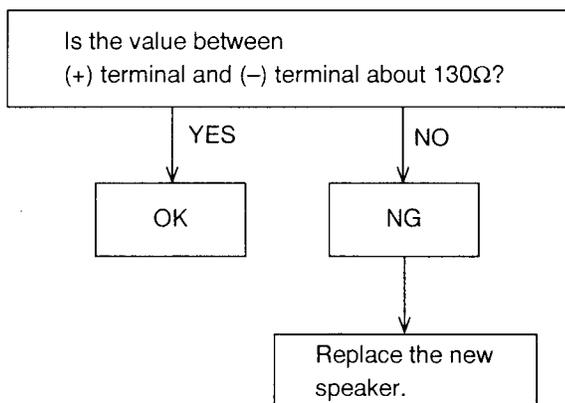


Fig. 13

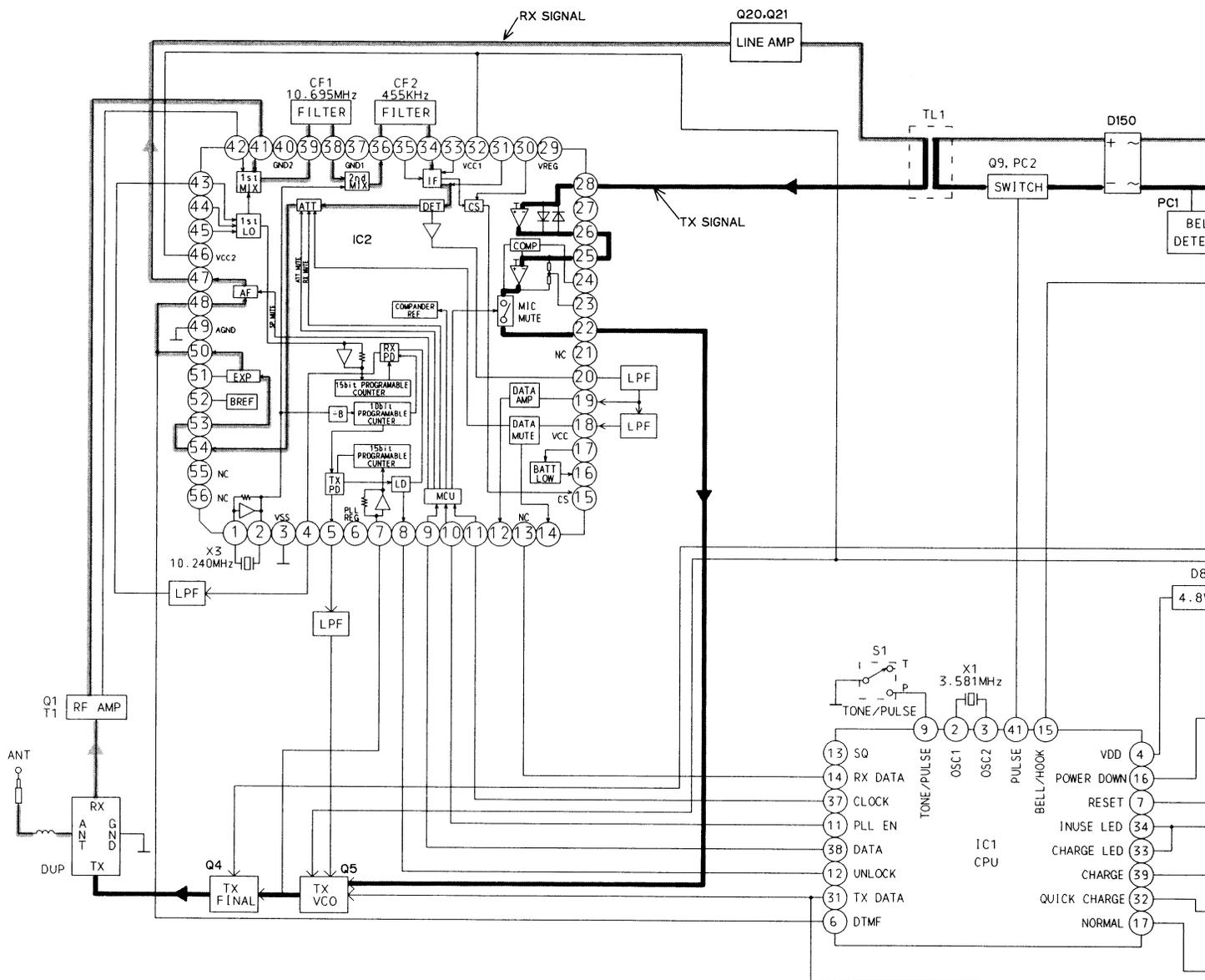


Fig. 22

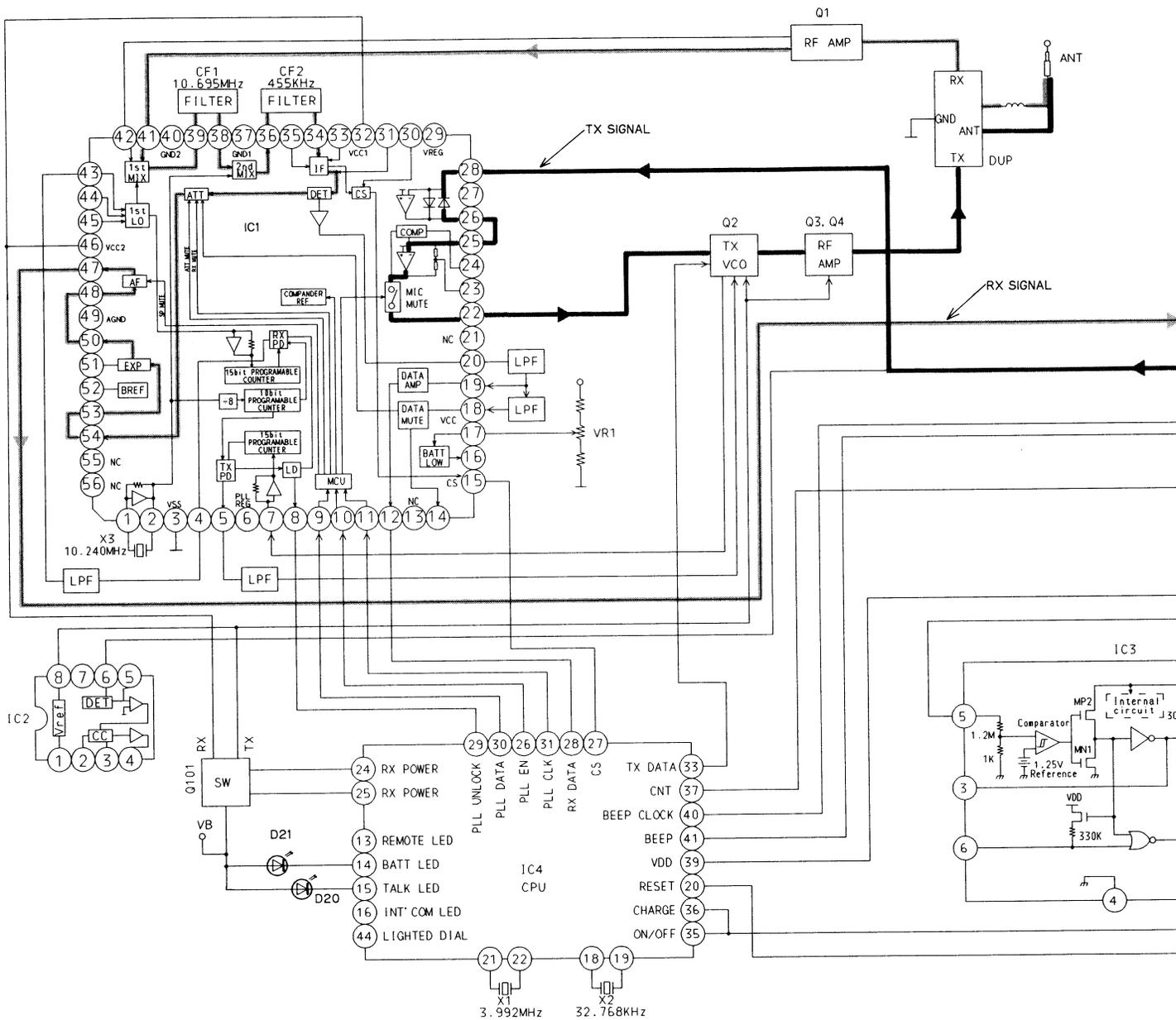


Fig. 35

CABINET AND ELECTRICAL PARTS LOCATION (KX-T3908H-B)

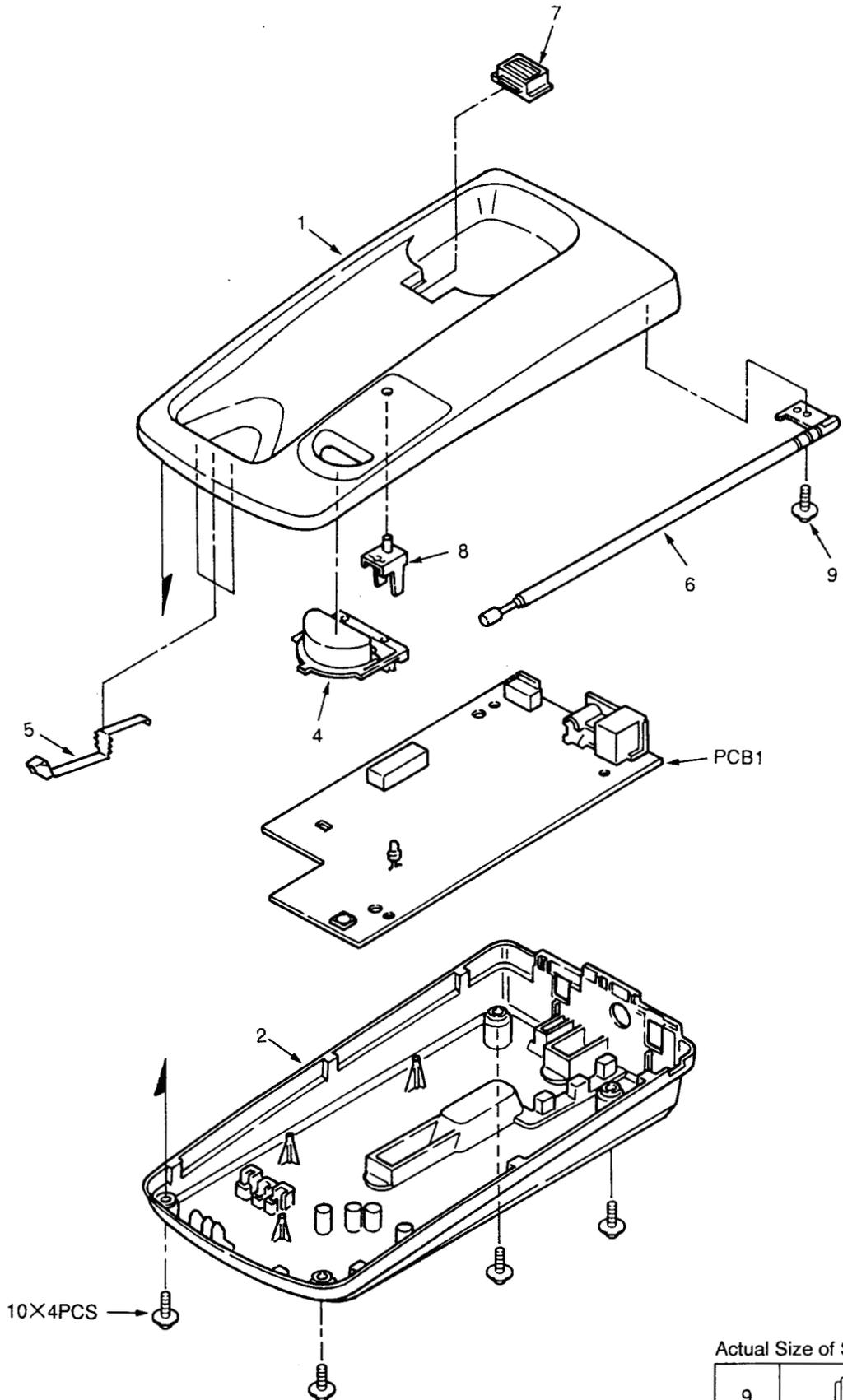


Fig. 46

Actual Size of Screws

9	
10	

CABINET AND ELECTRICAL PARTS LOCATION (KX-T3908R-B)

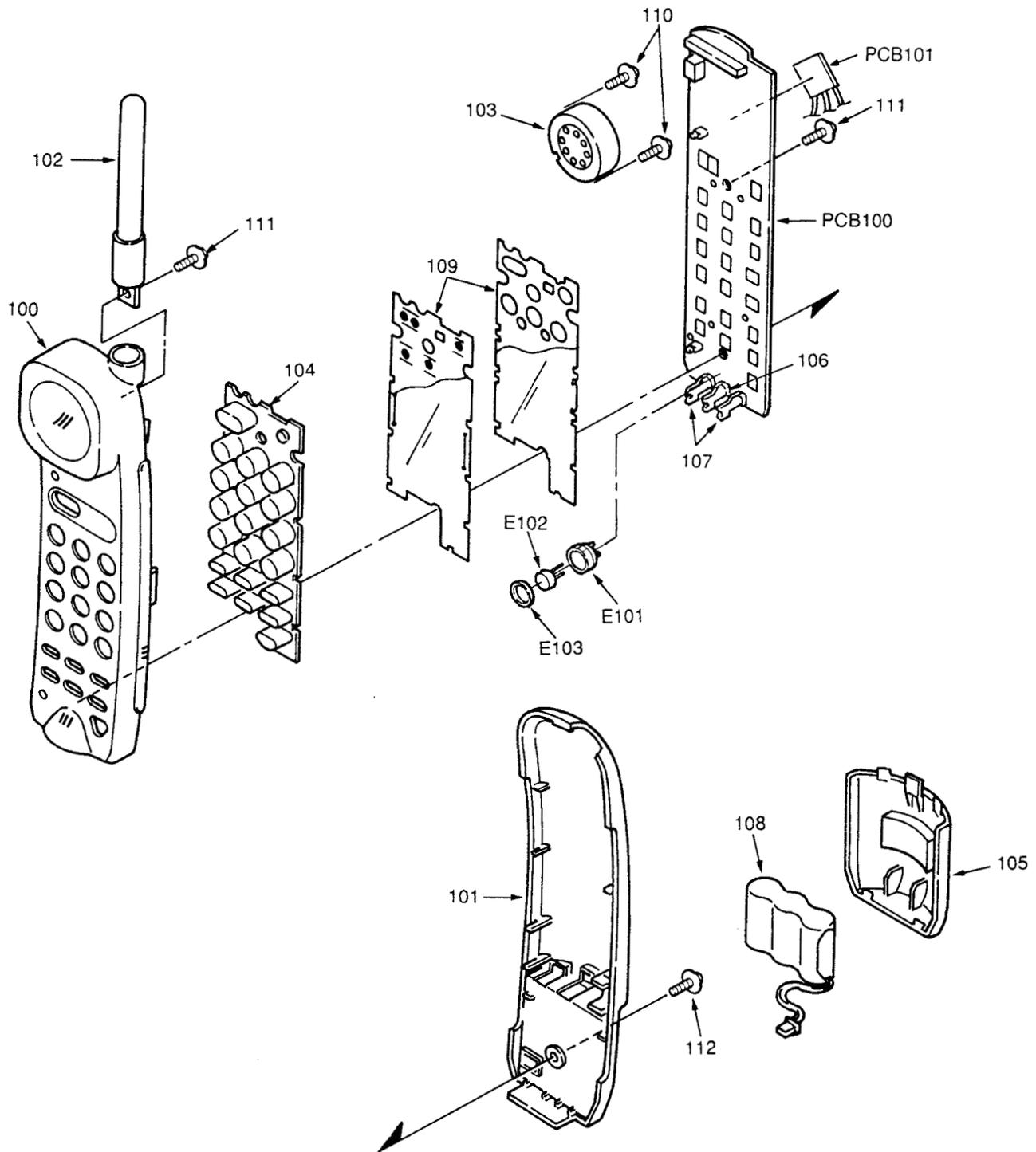


Fig. 47

Actual Size of Screws

111	
112	

REPLACEMENT PARTS LIST

KX-T3908H-B

1. RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is limited for this item.

After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

2. Important safety notice

Components identified by the Δ mark special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

3. The S mark indicates service standard parts and may differ from production parts.

4. RESISTORS & CAPACITORS

Unless otherwise specified.

All resistors are in ohms (Ω) K=1000 Ω , M=1000K Ω

All capacitors are in MICRO FARADS (μ F) P= μ μ F

*Type & Wattage of Resistor

ERC:Solid	ERX:Metal Film	PQ4R:Carbon
ERD:Carbon	ERG:Metal Oxide	ERS:Fusible Resistor
PQRD:Carbon	ER0:Metal Film	ERF:Cement Resistor

Wattage					
10,16:1/8W	14,25:1/4W	12:1/2W	1:1W	2:2W	3:3W

*Type & Voltage of Capacitor

Type	
ECFD:Semi-Conductor	ECCD,ECKD,ECBT,PQCBC : Ceramic
ECQS:Styrol	ECQE,ECQV,ECQG : Polyester
PQCUV:Chip	ECEA,ECSZ : Electrolytic
ECQMS:Mica	ECQP : Polypropylene

Voltage				
ECQ Type	ECQG ECQV Type	ECSZ Type	Others	
1H: 50V	05: 50V	0F:3.15V	0J :6.3V	1V :35V
2A:100V	1:100V	1A:10V	1A :10V	50,1H:50V
2E:250V	2:200V	1V:35V	1C :16V	1J :63V
2H:500V		0J:6.3V	1E,25:25V	2A :100V

Ref. No.	Part No.	Part Name & Description	Pcs/Set
CABINET AND ELECTRICAL PARTS			
1	PQKM10206Y2	UPPER CABINET	1
2	PQKF10147Y2	LOWER CABINET	1
3	PQHG316Z	RUBBER, FOOT	2
4	PQBC10191Z2	BUTTON	1
5	PQJT10104Z	BATTERY TERMINAL	3
6	XEAPQK170D	ANTENNA	1
7	PQKE46Y3	HANGER	S
8	PQHR10433Z	LED SPACER	1
9	XTW3+S10P	SCREW	1
10	XTW3+S14P	SCREW	4

Ref. No.	Part No.	Part Name & Description	Pcs/Set
P.C.BOARD PARTS			
PCB1	PQWPT3908BH	P.C.BOARD ASS'Y (RTL)	1
		(ICS)	
IC1	MN150409KRF	IC	1
IC2	AN6185FA	IC	1
		(TRANSISTORS)	
Q1	2SK543	TRANSISTOR(SI)	1
Q2	2SD1819A	TRANSISTOR(SI)	1
		(or 2SC4081or 2SC4155)	
Q4	PQVTMSC2295C	TRANSISTOR(SI)	1
Q5	2SC2412K	TRANSISTOR(SI)	1
Q9	2SA1776P	TRANSISTOR(SI) Δ S	1
		(or 2SA1625 or 2SA1776Q)	
Q10	2SD1991A	TRANSISTOR(SI)	1
Q11	2SD2136	TRANSISTOR(SI)	1
Q12	2SD1819A	TRANSISTOR(SI)	1
		(or 2SC4081or 2SC4155)	
Q13	2SB709A	TRANSISTOR(SI) S	1
		(or 2SA1162GRTE85L)	
Q14	2SD601R	TRANSISTOR(SI) S	1
		(or 2SC2712GRTE85L)	
Q16	2SD1994A	TRANSISTOR(SI)	1
Q19	2SD1991A	TRANSISTOR(SI)	1
Q20	2SD601R	TRANSISTOR(SI) S	1
		(or 2SC2712GRTE85L)	
Q21	2SD601R	TRANSISTOR(SI) S	1
		(or 2SC2712GRTE85L)	
		(DIODES)	
D1	MA840ATAKU	DIODE(SI)	1
D2	MA840ATAKU	DIODE(SI)	1
D3	MA4062	DIODE(SI)	1
D4	MA4100	DIODE(SI)	1
D5	1SS120	DIODE(SI)	1
D6	MA4047	DIODE(SI)	1
D7	1SS120	DIODE(SI)	1
D8	1SS120	DIODE(SI)	1
D10	1SS120	DIODE(SI)	1
D16	1SS120	DIODE(SI)	1
D21	LN31GCPHV	LED	1
D150	PQVDS1ZB40F1	DIODE(SI) Δ	1
		(COILS AND TRANSFORMERS)	
L1	PQLQZK1R5K	COIL	1
L2	PQLQZ1104J	COIL	1
L5	PQLQZM1R2K	COIL	1
L7	ELEPK330KA	COIL	1
L8	PQLQZM3R3K	COIL	1
L9	ELEPK330KA	COIL	1
L10	PQLQZM3R3K	COIL	1
T1	PQLA7A9	COIL	1
T2	PQLI2B201	I.F. TRANSFORMER	1
T3	PQLA7A20	COIL	1
T4	PQLA7A9	COIL	1
T5	PQLA7A22	COIL	1
TL1	PQLT8F3A	TRANSFORMER Δ	1
J10	PQLQZM1R2K	COIL	1

Ref. No.	Part No.	Part Name & Description	Pcs/Set	Ref. No.	Part No.	Part Name & Description	Pcs/Set
VR101	EVNDXAA03B25	(VARIABLE RESISTORS) VARIABLE RESISTOR	1	R46	ERJ3GEYJ683	68K	1
VR102	EVNDXAA03B15	VARIABLE RESISTOR	1	R47	ERJ3GEYJ683	68K	1
VR103	EVNDXAA03B15	VARIABLE RESISTOR	1	R48	ERJ3GEYJ104	100K	1
				R49	ERJ3GEYJ682	6.8K	1
				R50	ERJ3GEYJ222	2.2K	1
				R51	ERJ3GEYJ103	10K	1
		(SWITCHES)		R52	ERJ3GEYJ473	47K	1
S1	PQSS2A27W	SWITCH	1	R53	ERJ3GEYJ474	470K	1
S2	EVQQJJ05Q	SWITCH	1	R54	ERJ3GEYJ473	47K	1
				R55	ERJ3GEYJ154	150K	1
				R56	ERJ3GEYJ473	47K	1
		(CRYSTALS)		R57	ERJ3GEYJ684	680K	1
X1	PQVCJ3581N9Z	CRYSTAL OSCILLATOR	1	R58	ERJ3GEYJ104	100K	1
X2	PQVCJ10240C5	CRYSTAL OSCILLATOR	1	R59	PQ4R18XJ221	220	1
				R62	ERJ3GEYJ470	47	1
				R90	ERJ3GEYJ103	10K	1
		(PHOTO COUPLERS)		R91	ERJ3GEYJ472	4.7K	1
PC1	PQVIPC814K	PHOTO ELECTRIC TRANSDUCER	△ 1	R92	ERJ3GEYJ472	4.7K	1
PC2	PQVITLP627	PHOTO ELECTRIC TRANSDUCER	△ 1	R93	ERJ3GEYJ472	4.7K	1
				R95	ERJ3GEYJ101	100	1
				R96	ERJ3GEYJ104	100K	1
		(CERAMIC FILTERS)		R97	ERJ3GEYJ104	100K	1
CF1	PQVFSFE107MJ	CERAMIC FILTER	S 1	R98	ERJ3GEYJ472	4.7K	1
CF2	PQVFCFH455F1	CERAMIC FILTER	1	R99	ERJ3GEYJ472	4.7K	1
				R100	ERJ3GEYJ104	100K	1
				R101	PQ4R10XJ000	0	1
		(OTHERS)		R120	ERJ3GEYJ100	10	1
JJ1	PQJJ2HA1Z	JACK, DC IN /TEL	1	R121	ERDS2TJ103	10K	△ 1
DUP1	PQVFDX4649B1	CERAMIC FILTER	1	R122	PQ4R10XJ000	0	1
TC1	ECRLA030E53	TRIMMER CAPACITOR	1	R123	PQ4R10XJ103	10K	1
PO1	PQRPAR390N	POSISTER	△ 1	R124	PQ4R10XJ271	270	1
SA1	PQVDRA311PT3	VARISTOR	S △ 1	R125	ERJ3GEYJ472	4.7K	△ 1
				R126	ERDS2TJ122	1.2K	△ 1
				R127	ERDS2TJ104	100K	△ 1
		(RESISTORS)		R128	PQ4R10XJ183	18K	1
R0	PQ4R10XJ105	1M	1	R129	PQ4R10XJ681	680	1
R1	ERJ3GEYJ101	100	1	R130	ERDS2TJ473	47K	△ 1
R3	ERJ3GEYJ683	68K	1	R131	ERJ3GEYJ102	1K	1
R4	ERJ3GEYJ104	100K	1	R132	ERJ3GEYJ104	100K	1
R6	ERJ3GEYJ103	10K	1	R133	ERJ3GEYJ104	100K	1
R8	ERJ3GEYJ154	150K	1	R134	ERJ3GEYJ104	100K	1
R9	ERJ3GEYJ333	33K	1	R135	ERJ3GEYJ123	12K	1
R11	ERJ3GEYJ472	4.7K	1	R136	ERJ3GEYJ104	100K	1
R12	ERJ3GEYJ103	10K	1	R137	ERJ3GEYJ104	100K	1
R13	ERJ3GEYJ822	8.2K	1	R138	ERJ3GEYJ104	100K	1
R14	ERDS2TJ104	100K	1	R139	ERJ3GEYJ824	820K	1
R15	ERJ3GEY0R00	0	1	R140	ERJ3GEYJ103	10K	1
R16	ERJ3GEYJ333	33K	1	R141	ERJ3GEYJ103	10K	1
R18	ERJ3GEYJ152	1.5K	1	R142	PQ4R10XJ152	1.5K	1
R19	ERJ3GEYJ223	22K	1	R143	PQ4R10XJ000	0	1
R21	ERJ3GEYJ333	33K	1	R145	ERJ3GEYJ332	3.3K	1
R24	PQ4R10XJ473	47K	1	R146	ERJ3GEYJ331	330	1
R25	PQ4R10XJ154	150K	1	R147	ERJ3GEYJ473	47K	1
R30	ERJ3GEYJ562	5.6K	1	R151	ERDS2TJ471	470	1
R31	ERJ3GEYJ104	100K	1	R152	ERJ3GEYJ103	10K	1
R32	ERJ3GEYJ103	10K	1	R153	ERJ3GEYJ472	4.7K	1
R33	ERJ3GEYJ564	560K	1	R154	ERJ3GEYJ103	10K	1
R34	PQ4R18XJ101	100	1	R155	ERDS2TJ181	180	1
R35	ERJ3GEYJ222	2.2K	1	R299	ERJ3GEY0R00	0	1
R36	ERJ3GEYJ103	10K	1	R300	ERJ3GEYJ332	3.3K	1
R37	ERJ3GEYJ563	56K	1				
R38	ERJ3GEYJ561	560	1	J2	ERJ3GEY0R00	0	1
R40	ERJ3GEYJ104	100K	1	J20	PQ4R18XJ000	0	1
R41	ERJ3GEYJ220	22	1	J25	PQ4R18XJ000	0	1
R42	ERJ3GEYJ681	680	1	J26	PQ4R18XJ000	0	1
R43	ERJ3GEYJ104	100K	1	J27	PQ4R18XJ000	0	1
R44	ERJ3GEYJ223	22K	1	J50	ERJ3GEY0R00	0	1
R45	ERJ3GEYJ223	22K	1	J90	ERJ3GEY0R00	0	1

This replacement parts list is U. S. A. version only. Refer to the simplified manual(cover) for Canada or other areas.

Ref. No.	Part No.	Part Name & Description	Pcs/Set	Ref. No.	Part No.	Part Name & Description	Pcs/Set
J120	ERJ3GEY0R00	0	1	C73	PQCUV1H180JC	18P	S 1
J124	ERJ3GEY0R00	0	1	C74	ECEA1HKS4R7	4.7	S 1
J125	ERJ3GEY0R00	0	1	C75	ECUV1H030CCV	3P	1
J127	ERJ3GEY0R00	0	1	C76	PQCUV1H681JC	680P	1
J172	PQ4R18XJ000	0	1	C77	ECUV1H102KB	0.001	1
J199	ERJ3GEY0R00	0	1	C78	ECUV1H103KBV	0.01	S 1
J200	PQ4R18XJ000	0	1	C80	PQCUV1E104MD	0.1	S 1
J202	PQ4R10XJ103	0	1	C82	ERJ3GEYJ153	15K	1
J208	ERJ3GEY0R00	0	1	C83	ECUV1H102KBV	0.001	1
J211	ERJ3GEY0R00	0	1	C84	ECUV1H151JCV	150P	1
J216	PQ4R18XJ000	0	1	C100	ECUV1H220JCV	22P	1
J218	ERJ3GEY0R00	0	1	C101	ECUV1H220JCV	22P	1
J251	PQ4R18XJ000	0	1	C102	ECUV1H104ZFB	0.1	S 1
J252	PQ4R18XJ000	0	1	C103	ECUV1H104ZFB	0.1	S 1
J321	ERJ3GEY0R00	0	1	C120	ECEA1EU470	47	S 1
J330	ERJ3GEY0R00	0	1	C121	PQCUV1H223KB	0.022	1
J331	ERJ3GEY0R00	0	1	C122	PQCUV1H562KB	0.0056	1
J501	ERJ3GEYJ271	0	1	C123	PQCUV1H223KB	0.022	1
				C124	ECKD2H681KB	680P	△ S 1
				C125	ECKD2H681KB	680P	△ S 1
				C126	ECQE2224KF	0.22	△ 1
				C128	ECEA1AU101	100	1
				C129	ECUV1H103KBV	0.01	S 1
		(CAPACITORS)		C130	ECEA0JU102	1000	1
C0	ECUV1H030CCV	3P	1	C131	PQCUV1C224ZF	0.22	1
C1	ECUV1H103KBV	0.01	S 1	C132	ECUV1H104ZFB	0.1	S 1
C2	ECUV1H103KBV	0.01	S 1	C133	ECEA0JU102	1000	1
C3	ECUV1H104ZFB	0.1	S 1	C134	ECEA1AU101	100	1
C4	ECEA0JKS101	100	1	C135	ECEA1AU221	220	1
C5	ECUV1H103KBV	0.01	S 1	C136	PQCUV1H103KB	0.01	S 1
C6	ECEA1HKS100	10	1	C137	ECUV1H103KBV	0.01	S 1
C7	PQCUV1H103KB	0.01	S 1	C138	ECUV1H104MD	0.1	S 1
C10	ECUV1H221JCV	220P	1				
C12	PQCUV1C474ZF	0.47	1	L12	ECUV1H104ZFB	0.1	S 1
C13	PQCUV1H105JC	1	S 1	J500	ECUV1H103KBV	0	S 1
C14	ECUV1H104ZFB	0.1	S 1				
C16	PQCUV1E104MD	0.1	S 1				
C17	PQCUV1H153KB	0.015	1				
C19	PQCUV1C224ZF	0.22	S 1				
C20	PQCUV1H333JC	0.033	S 1				
C23	ECEA1HKS4R7	0.47	1				
C24	ECEA1HU100	10	S 1				
C25	ECUV1H150JCV	15P	1				
C26	ECUV1H223KBV	0.022	1				
C27	ECEA1HKS3R3	3.3	S 1				
C28	ECUV1H472KBV	0.0047	S 1				
C33	ECUV1H104ZFB	0.1	S 1				
C34	ECEA1HU100	10	S 1				
C35	PQCUV1C474ZF	0.47	1				
C36	ECUV1H104ZFB	0.1	S 1				
C39	PQCUV1H101JC	100P	1				
C40	ECUV1H430JGV	43P	1				
C50	ERJ3GEYJ472	4.7K	1				
C51	PQCUV1H562KB	0.0056	1				
C52	ECUV1H104ZFB	0.1	S 1				
C53	ECUV1H151JCV	150P	1				
C54	ECUV1H104ZFB	0.1	S 1				
C59	ECUV1H560JCV	56P	1				
C60	PQCUV1H270JC	27P	1				
C62	ECUV1H103KBV	0.01	S 1				
C63	ECUV1H050CCV	5P	1				
C64	ECUV1H100DCV	10P	S 1				
C65	ECUV1H103KBV	0.01	S 1				
C66	ECUV1H470JCV	47P	1				
C67	ECUV1H680JCV	68P	1				
C69	PQCUV1H105JC	1	S 1				
C70	ECUV1H270JCV	27P	1				
C71	ECUV1H180JCV	18P	1				
C72	ECUV1H104ZFB	0.1	S 1				

REPLACEMENT PARTS LIST

KX-T3908R-B

1. RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is limited for this item.
 After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

2. Important safety notice

Components identified by the Δ mark special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

3. The S mark indicates service standard parts and may differ from production parts.

4. RESISTORS & CAPACITORS

Unless otherwise specified.

All resistors are in ohms (Ω) K=1000 Ω , M=1000K Ω

All capacitors are in MICRO FARADS (μ F) P= μ F

*Type &Wattage of Resistor

Type		
ERC:Solid	ERX:Metal Film	PQ4R:Carbon
ERD:Carbon	ERG:Metal Oxide	ERS:Fusible Resistor
PQRD:Carbon	ER0:Metal Film	ERF:Cement Resistor

Wattage					
10,16:1/8W	14,25:1/4W	12:1/2W	1:1W	2:2W	3:3W

*Type & Voltage of Capacitor

Type	
ECFD:Semi-Conductor	ECED,ECKD,ECBT,PQCB : Ceramic
ECQS:Styrol	ECQE,ECQV,ECQG : Polyester
PQCUV:Chip	ECEA,ECSZ : Electrolytic
ECQMS:Mica	ECQP : Polypropylene

Voltage				
ECQ Type	ECQG ECQV Type	ECSZ Type	Others	
1H: 50V	05: 50V	0F:3.15V	0J :6.3V	1V :35V
2A:100V	1:100V	1A:10V	1A :10V	50,1H:50V
2E:250V	2:200V	1V:35V	1C :16V	1J :63V
2H:500V		0J:6.3V	1E,25:25V	2A :100V

Ref. No.	Part No.	Part Name & Description	Pcs/Set
CABINET AND ELECTRICAL PARTS			
100	PQKM10205W2	FRONT CABINET	1
101	PQKF10146M2	CABINET COVER	1
102	PQSA10041Y	ANTENNA	1
103	PQAX3P16Z	SPEAKER	1
104	PQSX10028U	BUTTON	1
105	PQKK10055Z2	BATTERY COVER	1
106	PQJT10101Z	BATTERY TERMINAL	1
107	PQJT10102Z	BATTERY TERMINAL	2
108	PQXA36ASVC	RECHARGEABLE BATTERY	1
109	PQSX10029Z	COVER	1
110	PJHE5065Z	SCREW	2
111	XTW26+10E	SCREW	2
112	XTW26+12F	SCREW	1

Ref. No.	Part No.	Part Name & Description	Pcs/Set
MAIN P.C.BOARD PARTS			
PCB100	PQWPT3908BR	MAIN, P.C.BOARD ASS'Y (RTL)	1
		(ICS)	
		(IC)	1
IC1	AN6185FA	IC	1
IC2	AN6183SE1	IC	1
IC3	PQVISC78184D	IC	1
IC4	PQVI0006G505	IC	1
		(TRANSISTORS)	
Q1	2SK543	TRANSISTOR(SI)	1
Q2	2SC2295	TRANSISTOR(SI)	S 1
Q3	2SC2412K	TRANSISTOR(SI)	1
Q4	2SC2295	TRANSISTOR(SI)	S 1
Q5	2SD1819A	TRANSISTOR(SI)	1
		(or 2SC4155S)	
Q6	2SD1819A	TRANSISTOR(SI)	1
		(or 2SC4155S)	
Q15	2SD1819A	TRANSISTOR(SI)	1
		(or 2SC4155S)	
Q16	2SB709A	TRANSISTOR(SI)	S 1
		(or 2SA1162G)	
Q17	2SB709A	TRANSISTOR(SI)	S 1
		(or 2SA1162G)	
Q21	2SD1819A	TRANSISTOR(SI)	1
		(or 2SC4155S)	
Q101	XN1116	TRANSISTOR(SI)	1
		(DIODES)	
D1	MA840BTAKU	DIODE(SI)	1
D3	PQVD1SV145	DIODE(SI)	1
D15	1SS120	DIODE(SI)	1
D16	MA700A	DIODE(SI)	1
D17	MA4068	DIODE(SI)	1
D18	1SS120	DIODE(SI)	1
D19	MA110	DIODE(SI)	1
D20	LNJ330GKGAC	LED	1
D21	LNJ230RKRAC	LED	1
D24	MA4068	DIODE(SI)	1
D34	MA110	DIODE(SI)	1
		(COILS AND TRANSFORMERS)	
L2	PQLQZM1R5K	COIL	1
L3	ELJFAR68M	COIL	1
L4	PQLQZM100K	COIL	1
L10	PQLQZM100K	COIL	1
L11	PQLQZM100K	COIL	1
L12	PQLQZM100K	COIL	1
T1	PQLA7A9	COIL	1
T2	PQLI2B201	I.F. TRANSFORMER	1
T3	PQL07A9	COIL	1
T11	PQLA7A7	COIL	1
T13	PQL07A8	COIL	1
		(VARIABLE RESISTORS)	
VR1	EVNDXAA03B15	VARIABLE RESISTOR	1
VR2	EVNDXAA03B35	VARIABLE RESISTOR	1
VR101	EVNDXAA03B55	VARIABLE RESISTOR	1
VR102	EVNDXAA03B54	VARIABLE RESISTOR	1

Ref. No.	Part No.	Part Name & Description	Pcs/Set	Ref. No.	Part No.	Part Name & Description	Pcs/Set
X1	PQVCJ3992N9Z	(CRYSTALS) CRYSTAL OSCILLATOR	1	R57	ERJ3GEYJ334	330K	1
X2	PQVCL3276N9Z	CRYSTAL OSCILLATOR	1	R58	ERJ3GEYJ104	100K	1
X3	PQVCJ10240C5	CRYSTAL OSCILLATOR	1	R59	ERJ3GEYJ334	330K	1
				R60	ERJ3GEYJ122	1.2K	1
				R61	ERJ3GEYJ334	330K	1
				R67	ERJ3GEYJ332	3.3K	1
		(CERAMIC FILTERS)		R68	ERJ3GEYJ332	3.3K	1
CF1	RVFSFE107MSR	CERAMIC FILTER	S 1	R74	ERJ3GEYJ104	100K	1
CF2	PQVFCFH455F1	CERAMIC FILTER	1	R76	ERJ3GEYJ563	56K	1
				R79	ERJ3GEYJ103	10K	1
		(OTHERS)		R81	ERJ3GEYJ562	5.6K	1
TC1	ECRLA030E53	TRIMMER CAPACITOR	1	R82	ERJ3GEYJ392	3.9K	1
DUP1	ELB4Z003S	COIL	S 1	R83	ERJ3GEYJ104	100K	1
CN1	PQJP2D13Z	CONNECTOR	1	R84	ERJ3GEYJ271	270	1
E100	PQEFBQM111G3	BUZZER	1	R85	ERJ3GEYJ120	12	1
E101	PQHR10269Z	MIC HOLDER	1	R89	ERJ3GEYJ103	10K	1
E102	PQJM124X	MICROPHONE	1	R91	ERJ3GEYJ472	4.7K	1
E103	PQNW1002Z	WASHER	1	R93	ERJ3GEYJ681	680	1
				R94	ERJ3GEYJ681	680	1
		(RESISTORS)		R100	ERJ3GEYJ472	4.7K	1
R1	ERJ3GEYJ331	330	1	R101	ERJ3GEYJ472	4.7K	1
R2	ERJ3GEYJ220	22	1	R102	ERJ3GEYJ104	100K	1
R3	ERJ3GEYJ393	39K	1	R103	ERJ3GEYJ104	100K	1
R4	ERJ3GEYJ470	47	1	R104	ERJ3GEYJ472	4.7K	1
R5	ERJ3GEYJ470	47	1	R105	ERJ3GEYJ683	68K	1
R6	ERJ3GEYJ154	150K	1	R111	ERJ3GEYJ222	2.2K	1
R7	ERJ3GEYJ220	22	1	R200	ERJ3GEYJ394	390K	1
R8	ERJ3GEYJ220	22	1				
R9	ERJ3GEYJ681	680	1	R201	ERJ3GEYJ224	220K	1
R10	ERJ3GEYJ223	22K	1	J2	ERJ3GEY0R00	0	1
R11	ERJ3GEYJ223	22K	1				
R12	ERJ3GEYJ562	5.6K	1			(CAPACITORS)	
R13	ERJ3GEYJ273	27K	1	C1	ECUV1H103KBV	0.01	S 1
R14	ERJ3GEYJ823	82K	1	C2	ECUV1H104ZFV	0.1	S 1
R15	ERJ3GEYJ104	100K	1	C3	ECUV1H180JCV	18P	1
R16	ERJ3GEYJ224	220K	1	C4	ECUV1H103KBV	0.01	S 1
R17	ERJ3GEYJ104	100K	1	C5	ECUV1H121JCV	120P	1
R18	ERJ3GEYJ223	22K	1	C6	ECUV1H220JCV	22P	1
R19	ERJ3GEYJ152	1.5K	1	C7	ECUV1H103KBV	0.01	S 1
R20	ERJ3GEYJ333	33K	1	C8	ECUV1H103KBV	0.01	S 1
R21	ERJ3GEYJ103	10K	1	C9	ECUV1H100DCV	10P	1
R23	ERJ3GEYJ561	560	1	C10	ECUV1H220JCV	22P	1
R24	ERJ3GEYJ273	27K	1	C11	ECUV1H103KBV	0.01	S 1
R25	ERJ3GEYJ393	39K	1	C12	ECUV1H470JCV	47P	1
R27	ERJ3GEYJ124	120K	1	C13	ECUV1H680JCV	68P	1
R28	ERJ3GEYJ683	68K	1	C14	PQCUV1H330JC	33P	S 1
R29	ERJ3GEYJ223	22K	1	C15	ECUV1H150JCV	15P	1
R30	ERJ3GEYJ103	10K	1	C16	PQCUV1H180JC	18P	S 1
R31	ERJ3GEYJ152	1.5K	1	C17	ECUV1H030CCV	3P	1
R32	ERJ3GEYJ823	82K	1	C18	ECUV1H102KBV	0.001	1
R33	ERJ3GEYJ103	10K	1	C19	ECUV1H223KBV	0.022	S 1
R34	ERJ3GEYJ104	100K	1	C20	ECUV1H223KBV	0.022	S 1
R35	ERJ3GEYJ393	39K	1	C24	ECEA1AKS330	33	S 1
R36	ERJ3GEYJ222	2.2K	1	C25	ECUV1H150JCV	15P	1
R38	ERJ3GEYJ103	10K	1	C26	ECUV1C104KBV	0.1	1
R39	ERJ3GEYJ564	560K	1	C27	ECEA1CKS100	10	1
R40	ERJ3GEYJ274	270K	1	C30	ECUV1H104ZFV	0.1	S 1
R41	ERJ3GEYJ103	10K	1	C31	ECEA1CKS100	10	1
R42	ERJ3GEYJ393	39K	1	C32	ECEA1HKS2R2	2.2	1
R43	ERJ3GEYJ103	10K	1	C33	ECUV1C473KBV	0.047	1
R44	ERJ3GEYJ683	68K	1	C36	ECEA1CKS100	10	1
R45	ERJ3GEYJ103	10K	1	C37	ECUV1H473MDV	0.047	S 1
R46	ERJ3GEY0R00	0	1	C38	ECUV1H103KBV	0.01	1
R47	ERJ3GEYJ104	100K	1	C39	ECUV1H103KBV	0.01	1
R48	ERJ3GEYJ103	10K	1	C40	ECUV1H472KBV	0.0047	1
R49	ERJ3GEYJ104	100K	1	C41	PQCUV1H105JC	1	S 1

This replacement parts list is U. S. A. version only. Refer to the simplified manual(cover) for Canada or other areas.

Ref. No.	Part No.	Part Name & Description	Pcs/Set
C42	ECUV1H103KBV	0.01	1
C43	ECUV1H390JCV	39P	1
C44	ECUV1H222KBV	0.0022	1
C45	ECEA1CKS100	10	1
C46	PQCUV1E104MD	0.1	S 1
C47	PQCUV1C474ZF	0.47	1
C48	PQCUV1E104MD	0.1	S 1
C49	ECUV1H392KBV	0.0039	1
C52	ECEA0JKS470	47	1
C55	ECUV1H103KBV	0.01	S 1
C56	ECUV1H102KBV	0.001	1
C57	ECEA0JKS470	47	1
C58	ECUV1H103KBV	0.01	S 1
C59	ECUV1H103KBV	0.01	S 1
C60	ECUV1H104ZFV	0.1	S 1
C61	ECEA0JKS470	47	1
C62	ECUV1H104ZFV	0.1	S 1
C64	PQCUV1H105JC	1	S 1
C65	ECUV1H104ZFV	0.1	S 1
C66	PQCUV1E104MD	0.1	S 1
C70	ECUV1H104ZFV	0.1	S 1
C71	ECUV1H220JCV	22P	1
C72	ECUV1H220JCV	22P	1
C73	ECUV1H270JCV	27P	1
C74	ECUV1H270JCV	27P	1
C75	ECUV1H103KBV	0.01	S 1
C76	ECUV1H104ZFV	0.1	S 1
C80	ECEA0GKS221	220	1
C81	ECUV1H104ZFV	0.1	S 1
C84	ECUV1H103KBV	0.01	S 1
C85	ECUV1H103KBV	0.01	S 1
C90	ECUV1H103KBV	0.01	S 1
C91	ECUV1H103KBV	0.01	S 1
C95	ECUV1H103KBV	0.01	S 1
C200	ECUV1H104ZFV	0.1	S 1
C201	ECUV1H101JCV	100P	1

Ref. No.	Part No.	Part Name & Description	Pcs/Set
SUB P.C.BOARD PARTS			
PCB101	PQWP2T3908BR	SUB, P.C.BOARD ASS'Y (RTL)	1
Q114	PQVIN7201U30	TRANSISTOR (SI)	1
D100	MA700A	DIODE(SI)	1

KX-T3908-B			
Ref. No.	Part No.	Part Name & Description	Pcs/Set
ACCESSORIES AND PACKING MATERIALS			
A1	PQJA59V	TEL CORD (LONG)	1
A2	PQJA59X	TEL CORD (SHORT)	1
A3	PQQX11448Z	INSTRUCTION BOOK	1
A4	KX-A10	AC ADAPTOR	1
A5	PQQT11156Z	TEL CORD LABEL	1
P1	PQPP10072Z	PROTECTION COVER	1
P2	PQPH89Y	PROTECTION COVER	1
P3	PQPN10496Z	CUSHION	1
P4	PQPK11800Z	GIFT BOX	1