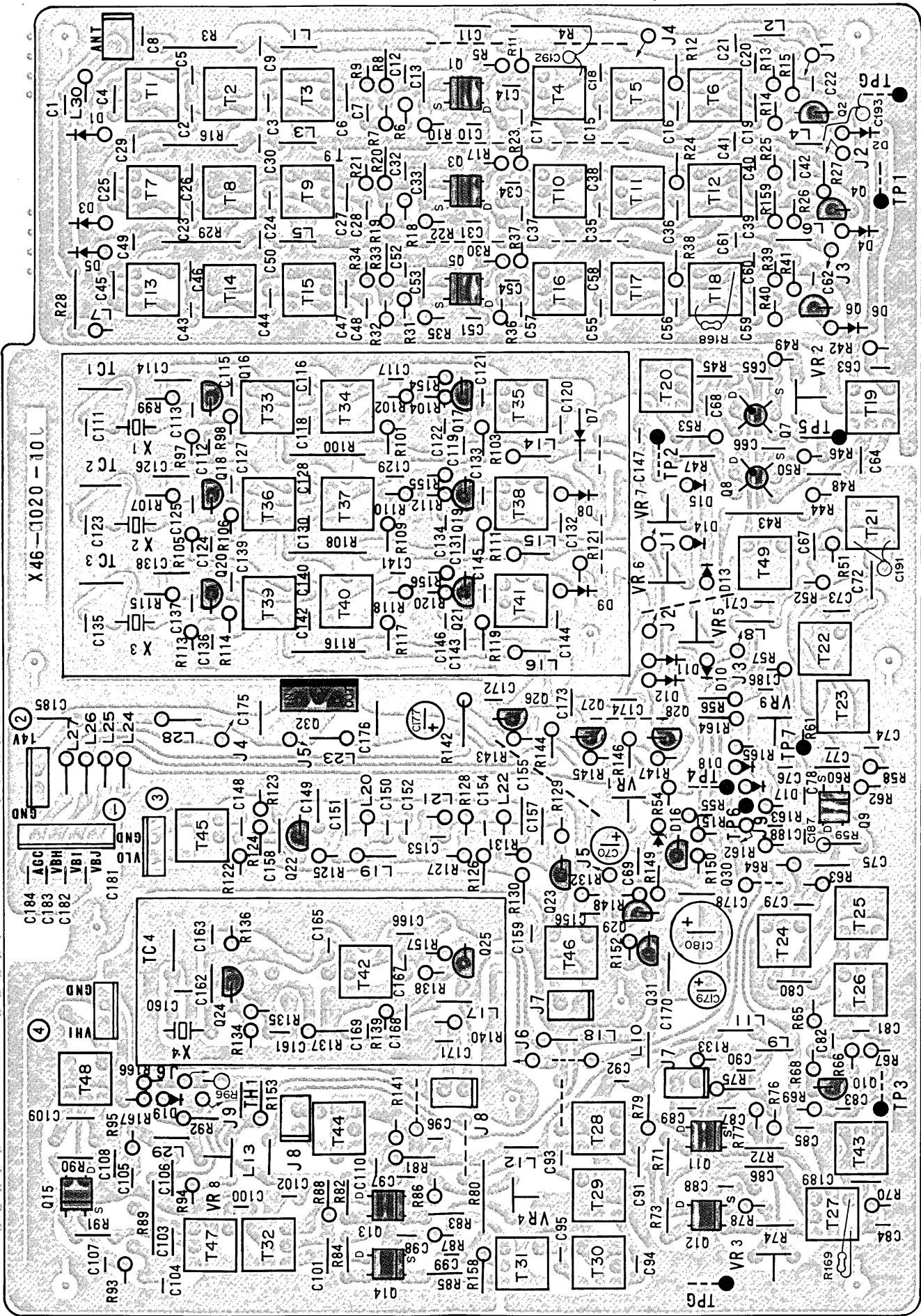


PC BOARD VIEW

CONVERTER UNIT (X46-1020-10)

[Component Side View]



PARTS LIST

CAPACITORS

1 = Type ceramic, electrolytic, etc 4 = Voltage rating
2 = Shape round, square, etc 5 = Value
3 = Temp coefficient 6 = Tolerance

● Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color *	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	± 30	± 60	± 120	± 250	± 500

Example CC45TH = -470 ± 60 ppm/°C

● Tolerance

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	± 0.25	± 0.5	± 2	± 5	± 10	± 20	+ 40 - 20	+ 80 - 20	+ 100 - 0	More than 10μF - 10 ~ + 50 Less than 4.7μF - 10 ~ + 75

Less than 10 pF

Code	B	C	D	F	G
(pF)	± 0.1	± 0.25	± 0.5	± 1	± 2

Abbreviation		Abbreviation	
Cap	Capacitor	ML	Mylar
C	Ceramic	S	Styren
E	Electrolytic	T	Tantalum
MC	Mica		

● Rating voltage

2nd word 1st word	A	B	C	D	E	F	G	H	J	K	V
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

● Capacitor value

0 1 0 = 1pF
1 0 0 = 10pF
1 0 1 = 100pF
1 0 2 = 1000pF = 0.001μF

1 0 3 = 0.01μF
2 2 0 = 22pF

1st number Multiplier
2nd number

Resistors not listed in this parts list are standard, fixed carbon composition, 1/4W or 1/8W. The resistance values, in ohms, are indicated on the schematic diagram.

SEMICONDUCTOR

Item	Name	Re- marks
Diode	1S1555 1S2588 BA282	
Zener diode	WZ-061	
Thermistor	D33A	
TR	.2SA562(Y) .2SA1015(Y) 2SC460(B) 2SC1815(Y) 2SC1907 2SC1923(O) 2SC1959(Y) 2SC2570(A) 2SC2668(Y)	
FET	3SK73(GR) 3SK74(L)	
IC	AN7809	N

K: USA MARKET
N: New parts
△: Please note that parts are some times not in stock and it takes much time to deliver.

Part No.	Re- marks	Description	Ref. No.
GENERAL			
B42-1799-04 B46-0404-00 B50-4058-00	△N N	FCC seal K Warranty card K Operating manual	
H01-4504-03 H03-2142-04 H12-1340-04 H12-1342-04 H21-0704-04 H25-0029-04 H25-0162-04	△N △N △N △N	Packing carton (inside) Packing carton (outside) Cushion × 2 (L, R) Cushion × 2 (upper, lower) Protective cover ACC plug Protective bag 60 × 110 mm Accessory Protective bag Unit	
N35-3006-41		Bind screw × 2 Accessory	
T90-0331-05		Rod antenna	

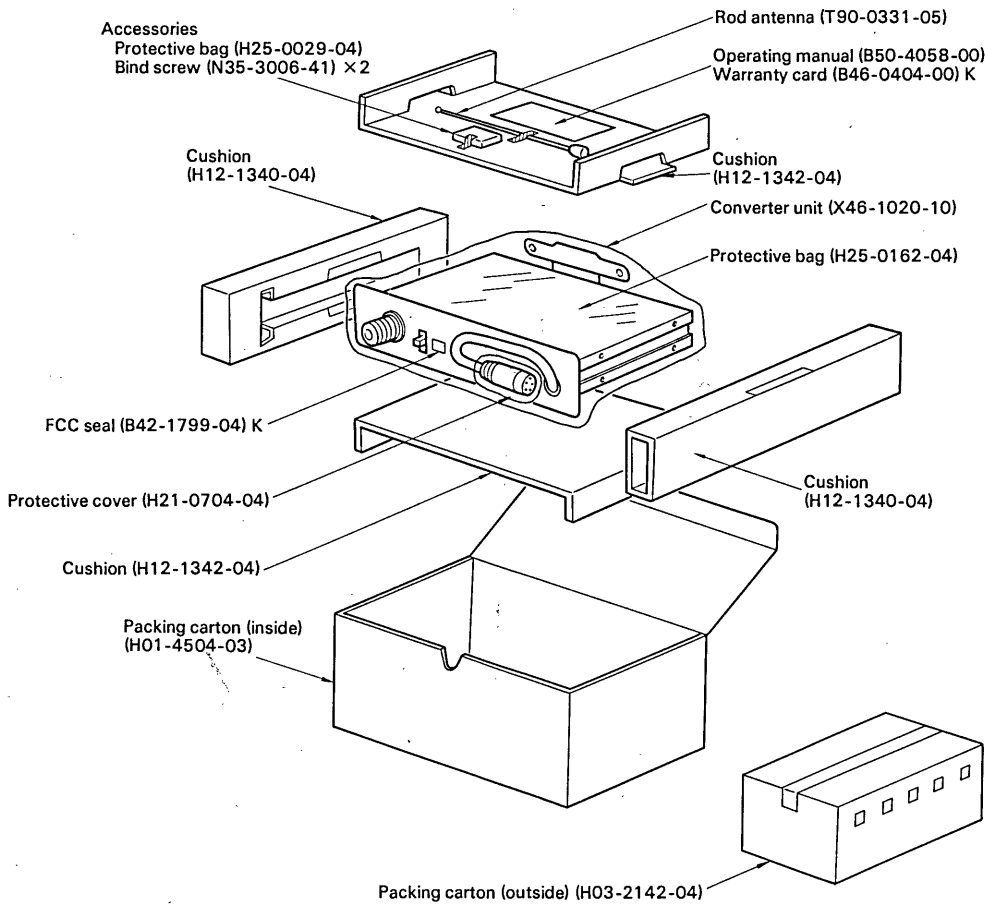
PARTS LIST

Part No.	Re- marks	Description	Ref. No.	Q'ty	Part No.	Re- marks	Description	Ref. No.	Q'ty
CONVERTER UNIT (X46-1020-10)					CC45SL1H271J		C, 270P	C162	1
CC45RH1H040C		Ceramic trimmer 40P C, 4P ± 0.25P	TC1 ~ 4 C6,17,27,37, 46,47	4 6	CK45B1H102K		C, 0.001	C1,10,31,51, 146 ~ 148	7
CC45RH1H050C		C, 5P ± 0.25P	C18,19,39	3	E04-0152-05		M type receptacle		1
CC45RH1H060D		C, 6P ± 0.5P	C4,5,26,59, 191	5	E30-1742-05	N	Connecting cable		1
CC45RH1H070D		C, 7P ± 0.5P	C58	1	E07-1051-05	N	10P plug		1
CC45RH1H080D		C, 8P ± 0.5P	C25,38,45,74	4	E23-0512-05		Test terminal		1
CC45RH1H150J		C, 15P	C130	1	E40-0273-05		Mini connect wafer 2P		3
CC45RH1H180J		C, 18P	C73,118,189	3	E40-0473-05		Mini connect wafer 4P		1
CC45RH1H220J		C, 22P	C103,109,142	3	F19-0626-04	N	Rear cover		1
CK45B1H102K		C, 0.001	C89,110,122, 134,192,193	6	G02-0518-04		Earth spring		1
C91-0131-05		C, 0.01	C8,9,12,14,20,21,22,29,30 32,34,40,41,42,49,50,52, 54,60,61,62,63,64,65,66, 67,68,71,76,77,78,82,83 84,85,87,88,90,91,92,96, 97,98,99,102,104,105,107, 108,112,119,120,124,131, 132,136,143,144,156,159, 161,168,169,171,172,173, 174,181,182,183,184,186, 187,188	74	J32-0777-04	N	Round boss 16.5 mm		1
C91-0456-05		C, 0.047	C11,170,178,185	4	J32-0778-04	N	Hex. boss 6 mm		1
C91-0457-05		C, 0.022	C13,33,53,69,75,86,101,106, 149,151,155,157,158	13	J32-0779-04	N	Round boss 17.5 mm		1
CC45CH1H010C		C, 1P ± 0.25P	C15	1	L19-0346-05	N	Wide band transformer	T19	1
CC45CH1H1R5C		C, 1.5P ± 0.25P	C35	1	L19-0347-05	N	Wide band transformer	T27	1
CC45CH1H150J		C, 15P	C100, 163	2	L19-0348-05	N	Wide band transformer	T45, 46	2
CC45CH1H220J		C, 22P	C113,125,137	3	L19-0350-05	N	Wide band transformer	T20	1
CC45CH1H510J		C, 51P	C80	1	L33-0025-05		Choke coil 1μH	L30	1
CC45SL1H101J		C, 100P	C7, 28, 48	3	L34-2150-05		Tuning coil 45.9 MHz	T32	1
CE04W1C101M		E, 100 16V	C180	1	L34-2168-05	N	Tuning coil	T1, 6	2
CE04W1C470M		E, 47 16V	C177, 179	2	L34-2169-05	N	Tuning coil J. BPF	T2,4,5	3
CE04W1A470M		E, 47 10V	C90	1	L34-2170-05	N	Tuning coil	T3	1
CQ92M1H473K		ML, 0.047	C175,176	2	L34-2171-05	N	Tuning coil	T7,9	2
CC45CH1H0R5C		C, 0.5P ± 0.25P	C94,140,141, 165,116	5	L34-2172-05	N	Tuning coil I. BPF	T8,10,11	3
CC45CH1H010C		C, 1P ± 0.25P	C2,3,16,36, 117,128,129	7	L34-2173-05	N	Tuning coil	T12	1
CC45CH1H1R5C		C, 1.5P ± 0.25P	C55,56,152,153	4	L34-2174-05	N	Tuning coil	T13,15	2
CC45CH1H020C		C, 2P ± 0.25P	C23,24,43,44	4	L34-2175-05	N	Tuning coil H. BPF	T14,16,17	3
CC45CH1H030C		C, 3P ± 0.25P	C166	1	L34-2176-05	N	Tuning coil	T18	1
CC45CH1H050C		C, 5P ± 0.25P	C160,167	2	L34-2177-05	N	Tuning coil	T21,23	2
CC45CH1H070D		C, 7P ± 0.5P	C111,123,135	3	L34-2178-05	N	Tuning coil IF. BPF	T22	1
CC45CH1H220J		C, 22P	C95	1	L34-2179-05	N	Tuning coil	T24,26	2
CC45CH1H270J		C, 27P	C93	1	L34-2180-05	N	Tuning coil	T25	1
CC45CH1H470J		C, 47P	C72	1	L34-2181-05	N	Tuning coil 24.4 MHz	T28,31	2
CC45CH1H560J		C, 56P	C138	1	L34-2182-05	N	Tuning coil 24.4 MHz	T29,30	2
CC45CH1H680J		C, 68P	C114,126	2	L34-2183-05	N	Tuning coil 85.5 MHz	T43	1
CC45RH1H050C		C, 5P ± 0.25P	C57	1	L34-2184-05	N	Tuning coil 123.5 MHz	T33,34	2
CC45RH1H080D		C, 8P ± 0.5P	C81,150	2	L34-2185-05	N	Tuning coil 123.5 MHz	T35	1
CC45RH1H150J		C, 15P	C79,127,133, 154	4	L34-2186-05	N	Tuning coil 104.5, 85.5 MHz	T36,37,39,40	4
CC45RH1H180J		C, 18P	C115,121	2	L34-2187-05	N	Tuning coil 104.5, 85.5 MHz	T38,41	2
CC45RH1H220J		C, 22P	C139,145	2	L34-2188-05	N	Tuning coil 21.5 MHz	T42	1
					L34-2189-05	N	Tuning coil 21.5 MHz	T44	1
					L34-2190-05	N	Tuning coil 45.9 MHz	T47,48	2
					L34-2191-05	N	Tuning coil 24.4 MHz	T49	1
					L40-4791-02		Ferri inductor 4.7μH	L1 ~ 6	6
					L40-1001-03		Ferri inductor 10μH	L8 ~ 13,29	7
					L40-1011-03		Ferri inductor 100μH	L17	1
					L40-1001-12		Ferri inductor 10μH	L28	1
					L40-1011-12		Ferri inductor 100μH	L23	1
					L40-4782-14		Ferri inductor 0.47μH	L20,22	2
					L40-1091-14		Ferri inductor 1μH	L7	1
					L40-1291-14		Ferri inductor 1.2μH	L21	1
					L40-4701-14		Ferri inductor 47μH	L24 ~ 27	4
					L40-1011-14		Ferri inductor 100μH	L14 ~ 16,18,19	5
					L77-1202-05	N	Crystal OSC 30.875 MHz	X1	1

PARTS LIST/PACKING

Part No.	Re- marks	Description	Ref. No.	Q'ty	Part No.	Re- marks	Description	Ref. No.	Q'ty
L77-1203-05	N	Crystal OSC 26.125 MHz	X2	1	N88-3006-41		Tap tight screw		4
L77-1204-05	N	Crystal OSC 28.5 MHz	X3	1	R12-0420-05		Trim. pot 500Ω	VR2	1
L77-1205-05	N	Crystal OSC 21.5 MHz	X4	1	R12-1414-05		Trim. pot 1kΩ	VR3,4	2
L92-0110-05		Bead core	L31	1	R12-1415-05		Trim. pot 3kΩ	VR8	1
N09-0256-05		GND screw ANT		1	R12-3430-05		Trim. pot 10kΩ	VR1,5 ~ 7	4
N10-2030-46		Nut IC		1	R12-4408-05		Trim. pot 50kΩ	VR9	1
N30-2004-41		Pan head screw RF ATT		2	R92-0150-05		Short jumper		11
N30-3006-46		Pan head screw IC		1	S31-1407-05		Slide switch RF ATT		1
N35-2604-46		Bind screw Boss		8					
N87-3006-46		Tap tight screw		19					

PACKING



TRIO-KENWOOD CORPORATION

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

TRIO-KENWOOD COMMUNICATIONS

1111 West Walnut Street, Compton, California 90220, U.S.A.

TRIO-KENWOOD COMMUNICATIONS, GmbH

D-6374 Steinbach-TS, Industriestrasse, 8A West Germany

TRIO-KENWOOD ELECTRONICS, N.V.

Leuvensesteenweg 504 B-1930 Zaventem, Belgium

TRIO-KENWOOD (AUSTRALIA) PTY. LTD. (INCORPORATED IN N.S.W.)

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