

TU-79

TONE UNIT FOR THE TR-7950/30

The TU-79 is a subtone unit which installs in the TR-7950/30.

• **Accessories**

Screws (3 mm) 2 ea.
 Instructions 1 set

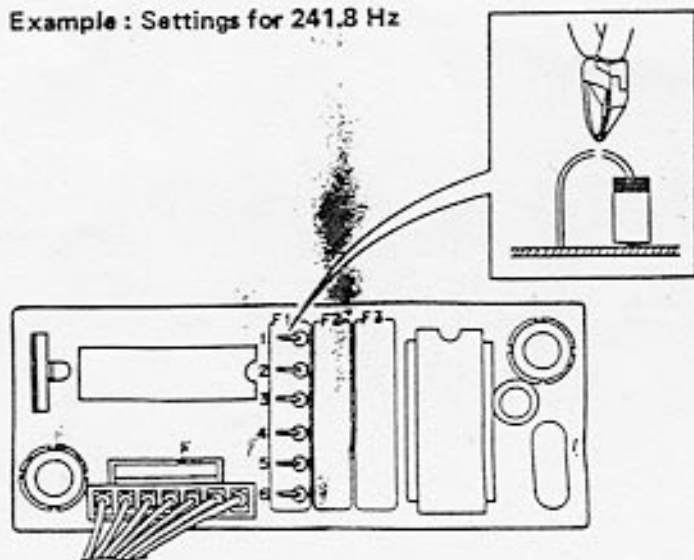
• **Specifications**

Oscillator frequency 1 MHz
 Usable frequency range 37 EIA Specification
 Group Frequencies
 Weight 35 grams

• **Operation**

With the TU-79, any of 37 oscillator frequencies can be set by means of the diodes on the tone unit. See the frequency in or the list below for the relationship between the oscillator frequencies and the diodes settings.

Example : Settings for 241.8 Hz



CIRCUIT

TU-79 Tone frequencies

Note :

Symbols in the table below denotes as follows ;

X - Cut diode, O - Diode remains mounted.

≠	EIA Specification Group Hz	Program Lines					
		1	2	3	4	5	6
1	C 67.0	X	X	X	X	X	X
2	B 71.9	X	O	X	X	X	X
3	C 74.4	X	X	O	X	X	X
4	A 77.0	O	O	X	X	X	X
5	C 79.7	X	X	X	O	X	X
6	B 82.5	X	O	O	X	X	X
7	C 85.4	X	X	O	O	X	X
8	A 88.5	O	O	O	X	X	X
9	C 91.5	X	X	X	X	O	X
10	B 94.8	X	O	X	O	X	X
11	A 100.0	O	O	X	O	X	X
12	B 103.5	X	O	O	O	X	X
13	A 107.2	O	O	O	O	X	X
14	B 110.9	X	O	X	X	O	X
15	A 114.8	O	O	X	X	O	X
16	B 118.8	X	O	O	X	O	X
17	A 123.0	O	O	O	X	O	X
18	B 127.3	X	O	X	O	O	X
19	A 131.8	O	O	X	O	O	X
20	B 136.5	X	O	O	O	O	X
21	A 141.3	O	O	O	O	O	X
22	B 146.2	X	O	X	X	X	O
23	A 151.4	O	O	X	X	X	O
24	B 156.7	X	O	O	X	X	O
25	A 162.2	O	O	O	X	X	O
26	B 167.9	X	O	X	O	X	O
27	A 173.8	O	O	X	O	X	O
28	B 179.9	X	O	O	O	X	O
29	A 186.2	O	O	O	O	X	O
30	B 192.8	X	O	X	X	O	O
31	A 203.5	O	O	X	X	O	O
32	B 210.7	X	O	O	X	O	O
33	A 218.1	O	O	O	X	O	O
34	B 225.7	X	O	X	O	O	O
35	A 233.6	O	O	X	O	O	O
36	B 241.8	X	O	O	O	O	O
37	A 250.3	O	O	O	O	O	O

A product of
TRIO-KENWOOD CORPORATION
 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
 0-4374 Sombach 75 Industriestrasse 8A, West Germany
 TRIO-KENWOOD ELECTRONICS, N.V.
 Leuvenlaanweg 504, B-1820 Izegem, Belgium
 TRIO-KENWOOD (AUSTRALIA) PTY. LTD.
 4E Woodcock Place, Lane Cove N.S.W. 2056, Australia

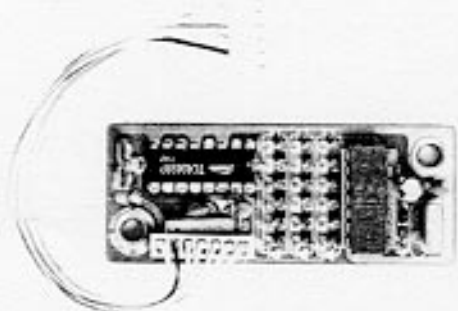
TU-79

TU-79 TONE UNIT (K, M only)

TU-79 SPECIFICATIONS

Oscillator frequency 1 MHz \pm 0.1%
 Output frequency 37 band within 67.0 Hz ~ 250.3 Hz

NOTE: To Control Unit J5



TU-79 PARTS LIST

N : New Parts

Part No.	Re- marks	Description	Ref. No.
GENERAL			
B50-4020-00	N	Instruction manual	
H01-4459-03 H25-0029-04	N	Packing carton Protective bag	
N87-3012-46		Self tapping screw x 2	
X52-1210-10	N	Tone unit	
TONE unit (X52-1210-10)			
CC45CH1H220J		C, 22P	C4
CE04W1A470M		E, 47	C3
C91-0131-05		C, 0.01	C1,2
E02-0110-05	N	IC socket 14P	
E31-2160-05	N	Connector with lead	
J31-0502-04 J42-0404-05		PC board collar PC board bush	
L77-0983-05		Crystal 1 MHz	XL1
MX315		IC	Q1
TC4049BP		IC	Q2
XZ-055		Zener Diode	D1
1S1555		Diode	D11 ~ 16 21 ~ 26 31 ~ 36
R12-1419-05		Trim. Pot. 3 k Ω	VR1
R90-0124-05		Resistor block 47 k Ω x 4	R2

TU-79 PC BOARD (X52 - 1210 - 10)

Component side view

