

TET[®]

VAN DER LINDE SYSTEM

INSTRUCTIONS

TE - 33 sp

TE - 43 sp

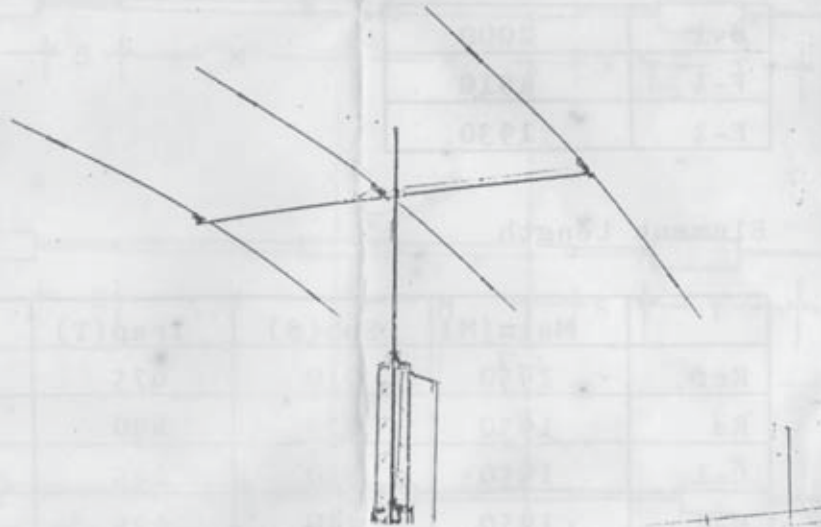


Table - 1

A. HB-33SP

Element Space

B-1	2000
F-1	1900

Element Length

	Main(M)	Sub(S)	Trap(T)	Aux.(A)
Ref	1950	...	675	...
Ra	1950		690	
D-1	1950		695	

Table - 2

B. HB-43SP

Element Space

B-1	2000
F-1	1910
F-2	1930

Element Length

	Main(M)	Sub(S)	Trap(T)	Aux.(A)
Ref	1950	940	675	530
Ra	1950	675	690	450
D-1	1950	510	695	300
D-2	1950	440	695	280

Fig - 1

HB-33SP

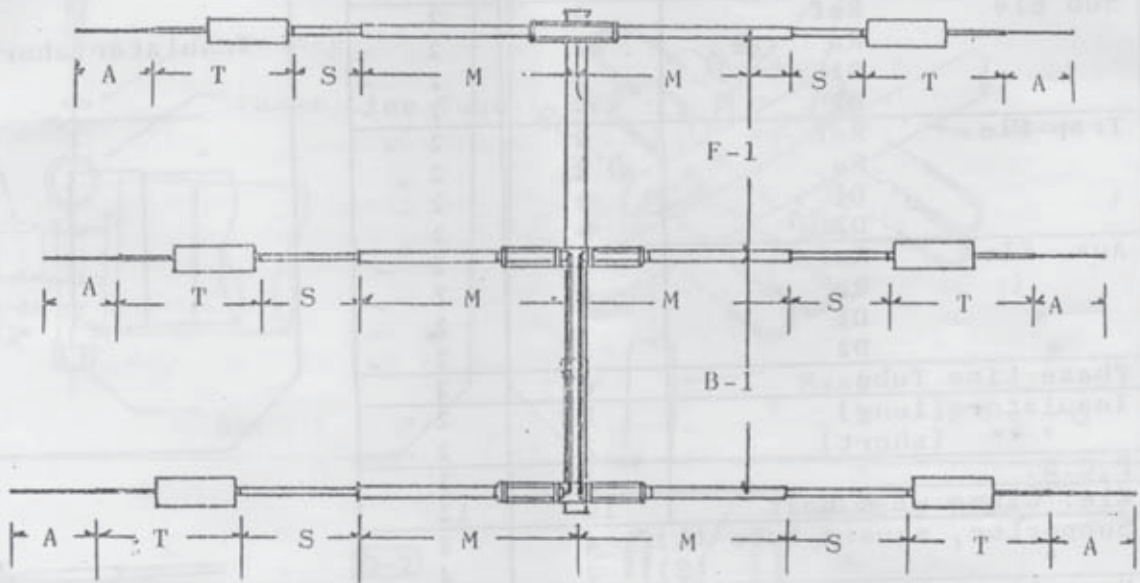
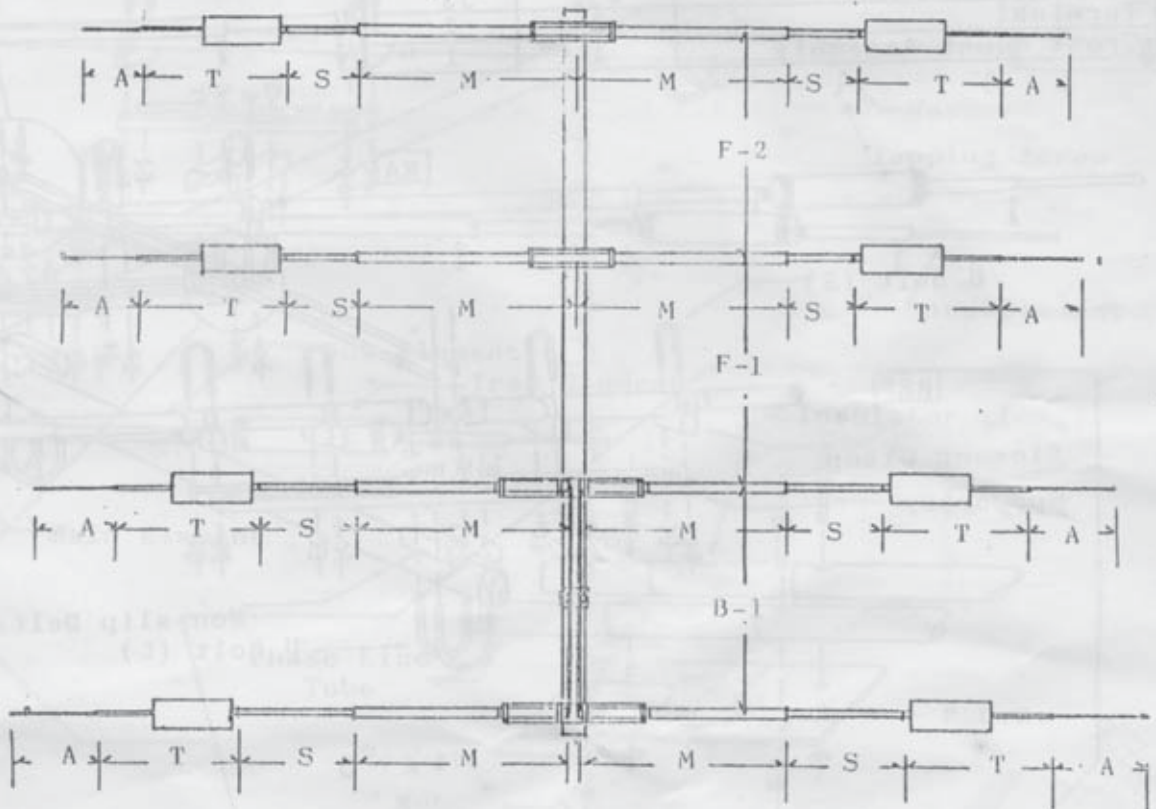


Fig - 2

HB-43SP



PARTS LIST		HD33SP	HD43SP
Boom Assembly		40øx4000	50øx6000
Main Ele.	Ra.Ref.	4 Pcs	4 Pcs
	D1, D2	2	4
Main Sleeve Tube for D1,D2		1	2
Sub Ele.	Ref	2	2
	Ra	2	2
	D1	2	2
	D2	-	2
Trap Ele.	Ref	2	2
	Ra	2	2
	D1	2	2
	D2	-	2
Aux. Ele	Ref	2	2
	Ra	2	2
	D1	2	2
	D2	-	2
Phase Line Tube		4	4
Insulator (long)		2	2
" (short)		2	2
P.C.B.		1	1
Ele. Clamp w/ U Bolt		10	12
Supportor, square tube (L)		4	4
" " (S)		2	4
Non-slip Delta		6	8
U Bolt (L)		6	8
Nut M4		4	4
Screw 4x15		4	4
S/W M4		27	37
Tapping Screw 4x10		23	33
Terminal		2	2
Cross Mount Assembly		1 set	1 set

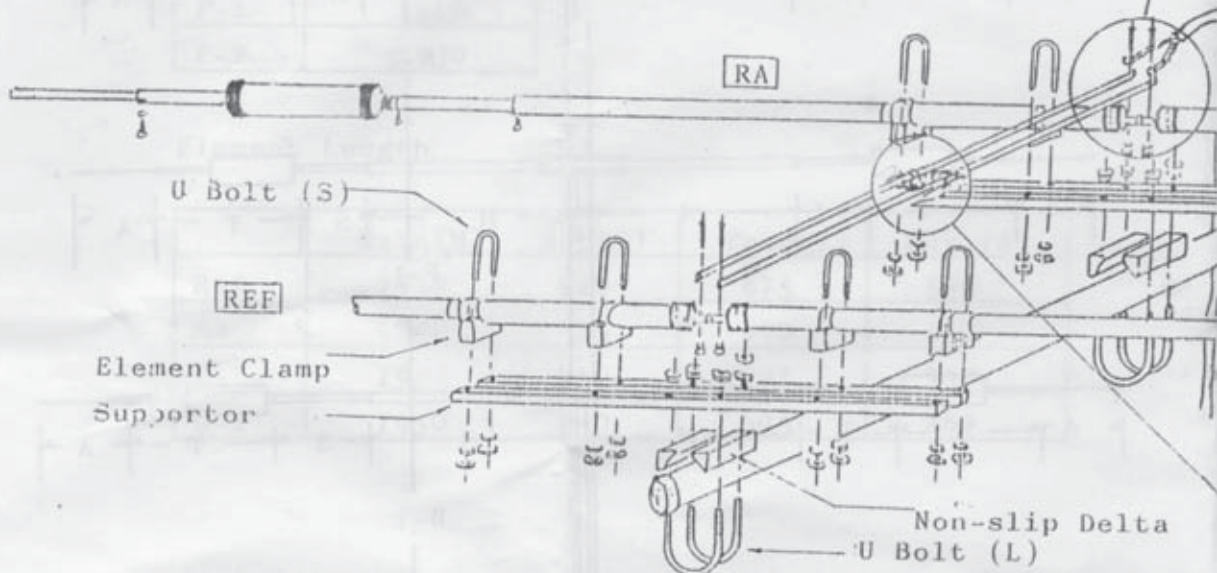
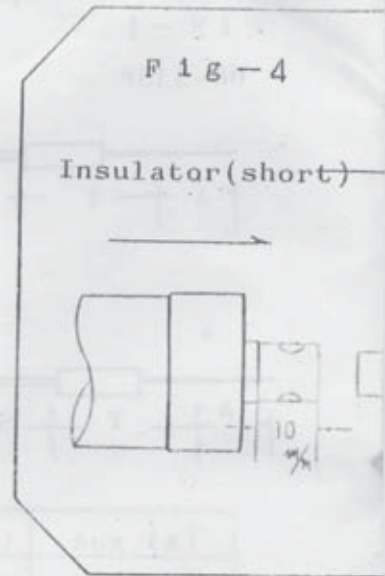
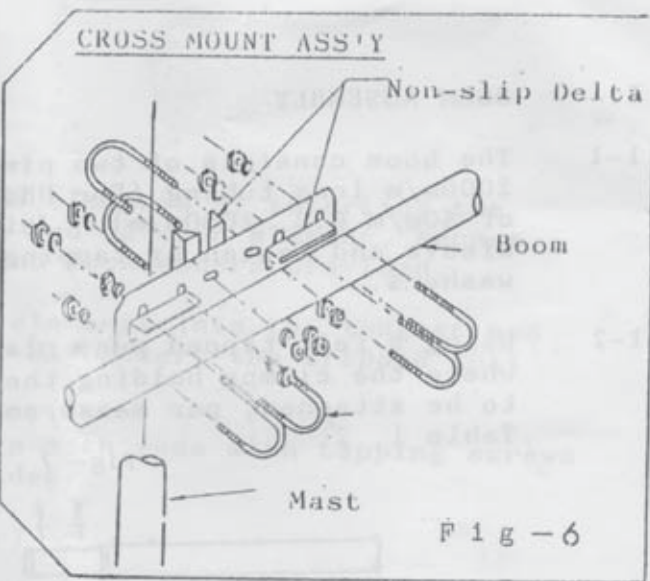
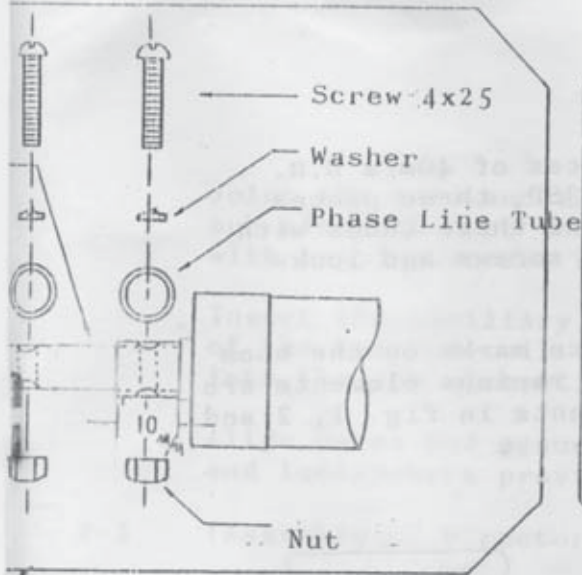
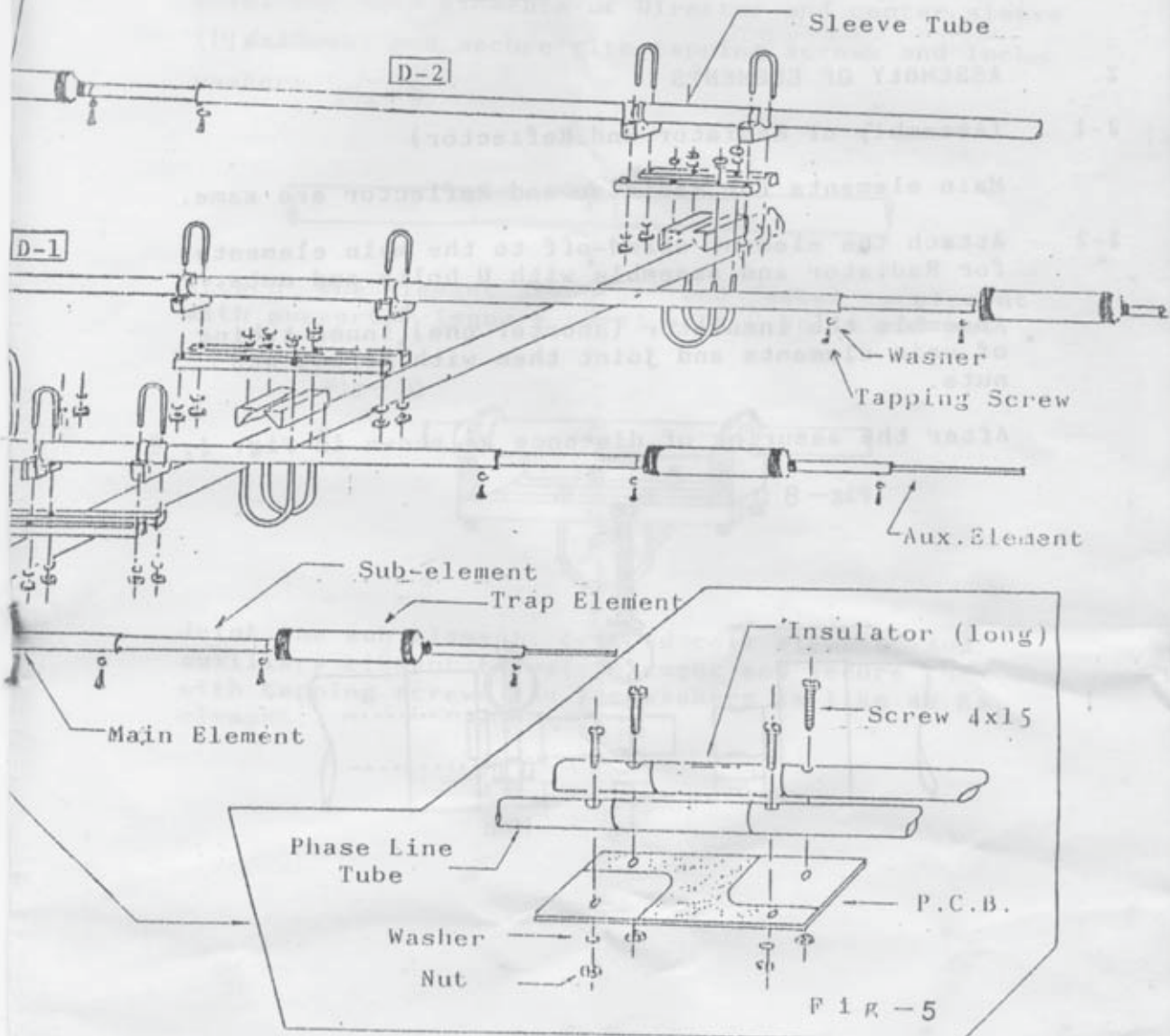


Fig - 3



F 1 G - 6

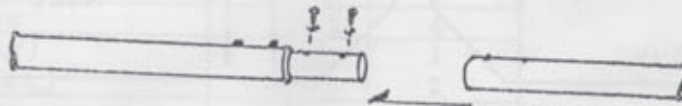


F 1 R - 5

1. BOOM ASSEMBLY

- 1-1 The boom consists of two pieces of 40m/m O.D. 2000m/m long tubing (For HB43SP, three pieces of 50m/m O.D. 2000m/m). Joint these tubes with sleeve and fasten by tapping screws and lock-washers.
- 1-2 Using a felt tipped pen, place marks on the boom where the clamps holding the various elements are to be attached, per measurements in Fig. 1, 2 and Table 1, 2.

Fig-7



2. ASSEMBLY OF ELEMENTS

- 2-1 (Assembly of Radiator and Reflector)

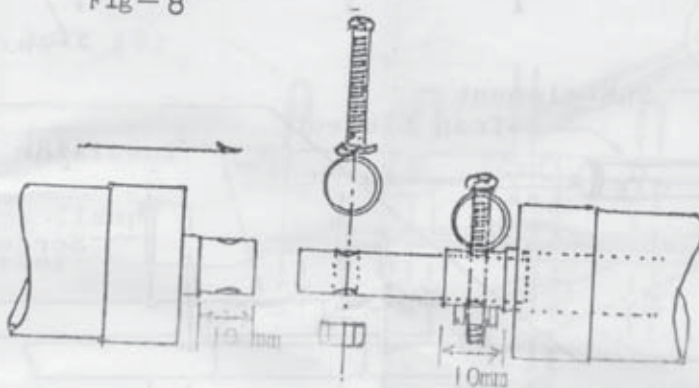
Main elements for Radiator and Reflector are same.

- 2-2 Attach the element stand-off to the main elements for Radiator and assemble with U bolts and nuts.

Assemble the insulator (shorter one) ^{to} inner tubing of main elements and joint them with screws and nuts.

After the assuring of distance as shown in Fig. 4, 8.

Fig-8



Joint the main and sub elements by inserting the sub elements into the end of main element, secure with tapping screws and lockwashers provided.

Insert the auxiliary elements into the longest end of the trapped coil. Now insert the trapped coil into the sub element.

Align holes and secure both ends with tapping screws and lockwashers provided.

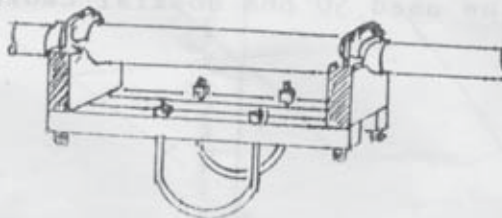
2-3 (Assembly of Director)

Joint the main elements of Director and center sleeve (19 ϕ x200mm) and secure with tapping screws and lockwashers. Fig-9



Attach the element stand-off and fasten to element with supportor (square tube) with U bolts and nut.

Fig-10



Joint the sub element, trapped coil element, and auxiliary element to main element and secure them with tapping screws and lockwashers as like as Ra. element.

3. ATTACHING THE ELEMENTS TO BOOM

All elements which combined with element supportor are to be fitted to the marked positions on the boom as mentioned before.

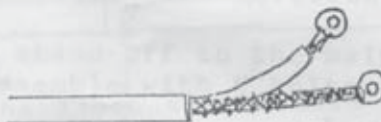
Secure the elements supportor to the boom with U bolts and nuts together with non-slip delta as shown as Fig. 3.

4. ASSEMBLY OF PHASE LINE

Joint the two pieces of phase line tubing with insulator, and secure them on printed circuit board (P.C.B.) with machine screws and nuts as shown as Fig. 5.

Joint the above assembled phase line between Ra. and Ref. element.

5. Connect the coaxial cable to the feeding point of Ra. element after strip of end of coaxial cable as shown as Fig. 11.



P.S. To be used 50 ohm coaxial cable.