

10.3
1/2 7e98

ANTENNA ASSEMBLY

MODEL	101A
FREQ. (MHz.)	30-50

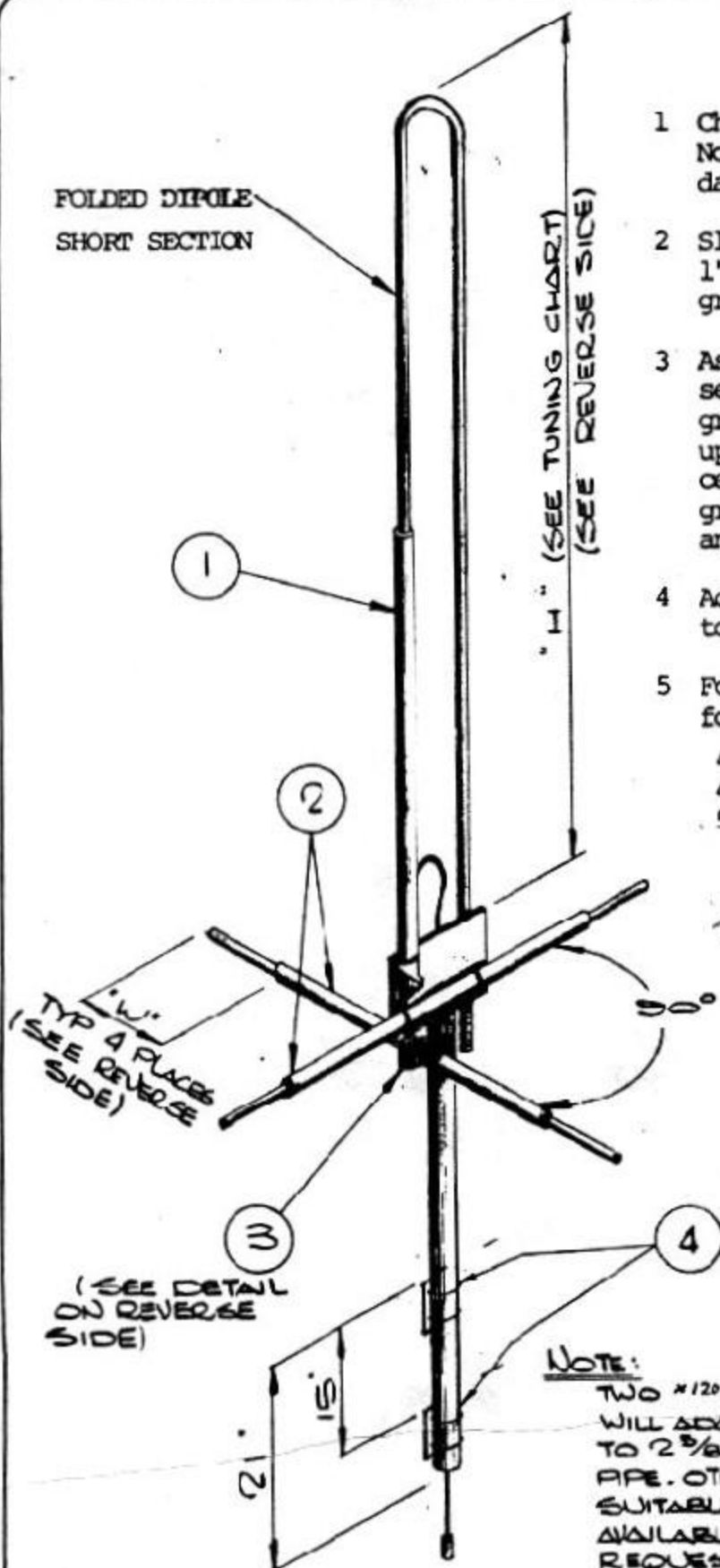
ASSEMBLY PROCEDURE

- 1 Check qty. of parts against parts list. Notify carrier immediately if shortage or damage is evident.
- 2 Slide upper ground rod ass'y through two 1" I.D. U-Bolts on mounting plate. Center ground rod and tighten in position.
- 3 Assemble #11 clamp (center and bottom sections) on mounting pipe. Slide lower ground rod ass'y through clamp. Butt clamp up against bottom of mounting plate and center ground rod. Rotate clamp until ground rods are at 90° to one another and tighten clamp in position. (see detail)
- 4 Adjust radiating element and ground rods to desired freq. as per "Tuning Chart".
- 5 For frequencies above 48 MHz cut short folded dipole section as follows:

48 MHz Cut off 1 1/2"
49 " " 2 1/2"
50 " " 3 1/2"

30.52 1/8

1/2 468 ÷ 45.5 = 123.42"
2 1/4 61.7"



NOTE:

TWO #120 CLAMPS WILL ADAPT ANT. TO 2 3/8 O.D. STD PIPE. OTHER SUITABLE MOUNTINGS AVAILABLE ON REQUEST. (2 3/8 O.D. PIPE NOT SUPPLIED)

PARTS LIST

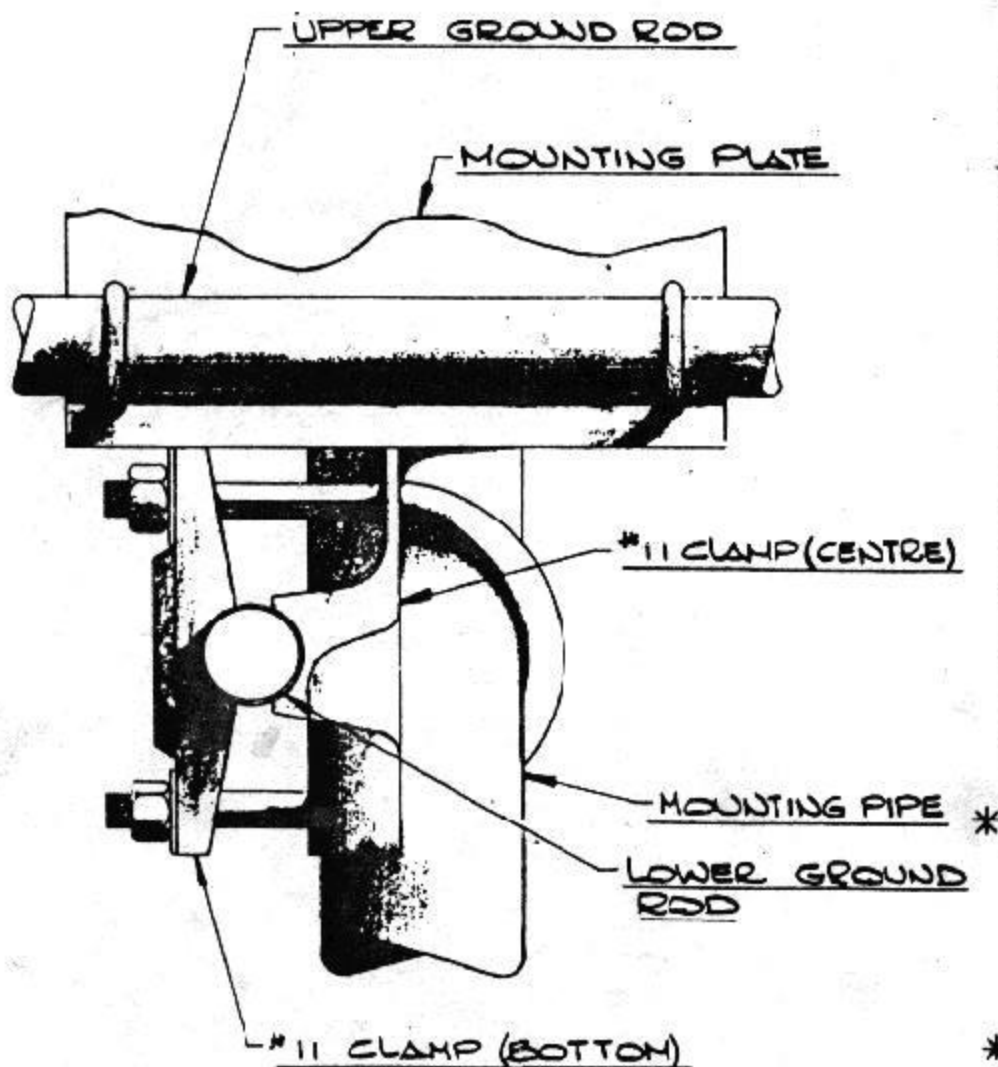
ITEM	DESCRIPTION	QTY.
1	ANTENNA ASSY	1
2	GRD. ROD ASSY	2
3	#11 CLAMP (SEE DETAIL)	1
4	#120 CLAMP	2

ISSUE	ECN	DATE	CHECKED	APP.
2	6315	21-11-86		EC
3	6383	30.4.87	E.G.	RV

NUMBER
A 025108
SHT 1 OF 2

TUNING CHART

FREQ.(MHZ)	"H"(IN)	"W"(IN)
30	88.5	52
31	85.5	48
32	82.5	43
33	80	39
34	77.5	36
35	75	33
36	72.5	31
37	70	28.5
38	68	26.5
39	66	24
40	64	22
41	62.5	20
42	61	18.5
43	59	16.5
44	57.5	15
45	56	13
46	54.5	11.5
47	52.5	10
48	51	8.5
49	50	7
50	49	6
27	28.5	64



DETAIL LOWER GROUND ROD CLAMP

* THIS FREQUENCY ON
SPECIAL REQUEST
ONLY.

$$H \quad W \\ 55.5 + 12.5$$