

INSTALLATION INSTRUCTION SG217-SF1SN(*) ANTENNA (SRL217N(*)*1 ANTENNA) (118-138 MHz)

PARTS LIST			
ITEM	PART No.	DESCRIPTION	QTY
1	351497-2	UPPER ELEMENT ASSEMBLY	1
2	TO SUIT	ANTENNA SUB-ASSEMBLY	1
3	247734-2	GROUND ROD	2
4	451411	GROUND ROD CLAMP #3A	2
5	8002816	UPPER ELEMENT CLAMP "TRIDON"	1
6	451113	MOUNTING CLAMP - #135	1
7	015768	WEATHERPROOFING KIT	1

ANTENNA INSTALLATION GUIDELINES

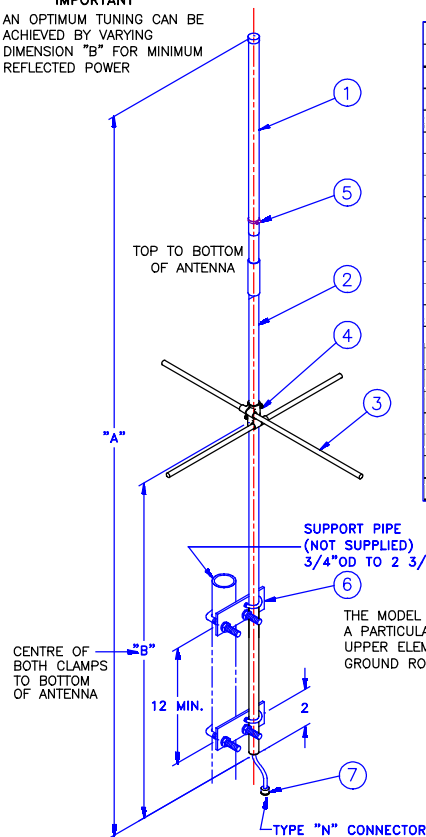
- Upon receipt of your antenna, please check the material against the parts list enclosed. If shortage or damage is apparent, notify the carrier immediately.
- Inspect the antenna feed connector(s) to determine that it mates with the end of your transmission line. Do not remove any connector or cable from the antenna as they are all part of your antenna.
- Verify that the frequency to which the antenna has been tuned is the frequency on which your radio system is to operate. This information is on the label which also shows the model and serial number of your antenna.
- Assemble antenna including mounting clamps as shown on your assembly sheet. Tightening torques provided must be adhered to when assembling and installing your antenna. Drain holes in the mast base and/or radiating element must face downwards and remain unobstructed at all times.
- Always protect the cable harness and radiating element from damage when moving, lifting or resting your antenna.
- A check of the antenna VSWR is recommended prior to installation and measurements should be recorded for future reference.
- After checking the VSWR of the antenna, mount the antenna to the tower and ensure that it is solidly grounded. Do not rely on the feed cable for ground return. Connect the station transmission line to the antenna making sure that the centre pin of both connectors are centred. Tighten both connectors firmly by hand. **Do not use pliers.** Carefully weatherproof the cable connection (Refer to Weatherproofing Instructions 005032, supplied with Weatherproofing Kit). Failure to weatherproof the cable connection will result in improper operation of your antenna. Properly secure the feed cable and antenna transmission line to the tower in the best position to avoid damage.
- A careful visual check is recommended to insure that:
 - All mechanical connections are securely made.
 - The antenna is mounted on the proper ledge of the tower with sufficient physical clearance.
 - All connections have been carefully wrapped with weatherproofing material to prevent moisture.

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IMPORTANT
AN OPTIMUM TUNING CAN BE
ACHIEVED BY VARYING
DIMENSION "B" FOR MINIMUM
REFLECTED POWER



Freq. (MHz)	"A" (INCHES)	"B" (INCHES)
118	127 1/2	21 11/16
119	127 1/2	22 15/16
120	127 1/2	24 3/16
121	127 1/2	25 1/16
122	127 1/2	25 7/8
123	127 1/2	26 13/16
124	127 1/2	27 11/16
125	127 1/2	28 9/16
126	127 1/2	29 3/8
127	124 1/2	29
128	124 1/2	29 1/2
129	124 1/2	30 3/8
130	124 1/2	31 3/16
131	124 1/2	31 7/8
132	124 1/2	32 9/16
133	124 1/2	33 3/16
134	124 1/2	33 3/4
135	124 1/2	34 3/8
136	124 1/2	34 15/16
138	124 1/2	35 5/8

THE MODEL SG217-SF1SN(*) WILL TUNE TO
A PARTICULAR FREQ. BY ADJUSTING THE
UPPER ELEMENT TO DIM. "A" AND
GROUND RODS TO DIM. "B" (SEE CHART).

TIGHTENING TORQUES FOR NON-LUBRICATED STEEL BOLTS

BOLT SIZE	TORQUE
1/4-20	5 FT.LB.
5/16-18	11 FT.LB.
3/8-16	20 FT.LB.
1/2-13	40 FT.LB.
5/8-11	85 FT.LB.
3/4-10	110 FT.LB.

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