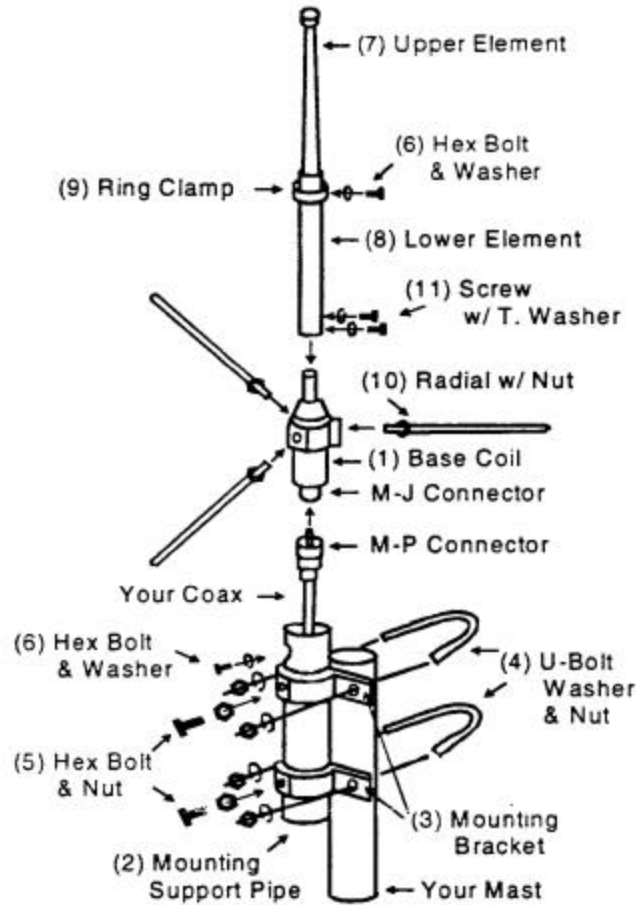




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Antenna Assembly Instructions – LPB FM58 Antenna



PARTS LIST

Part #	Item	Quantity
1	Base Coil	1
2	Mounting Support Pipe	1
3	Mounting Bracket	2
4	U-Bolt with Hardware	2
5	Hex Bolt with Nut	2
6	Hex Bolt with Washer	2
7	Upper Element	1
8	Lower Element	1
9	Ring Clamp	1
10	Radial Arm with Nut	3
11	Screw with Toothed Washer	2

ASSEMBLY INSTRUCTIONS

You will need a tape measure, a 5/16" wrench or nutdriver and a phillips-head screwdriver

1. Assemble the Upper Element and Lower Element with the Ring Clamp. Attach the assembly to the Base Coil as shown.
2. Attach the #3 Ground Plane Radials to the Base Coil as shown. Lock them in place with the supplied lock nuts.
3. Assemble and attach the two Mounting Brackets to the Mounting Support Pipe as shown. Run your connection cable through this Pipe and attach to the connector on the bottom of the Base Coil (PL-259 Connector).
4. Adjust the antenna length for your frequency (see chart below) and tighten the Ring Clamp Hex Bolt to secure. Note that the length is from the top of the Lower Element to the top of the Upper Element.
5. Mount the assembled antenna on your mast using the two U-Bolt assemblies provided with the Mounting Brackets.

FREQUENCY CHART

Frequency	Length (inches)
90 MHz	41.6875
91 MHz	40.625
92 MHz	39.33
93 MHz	38.1875
94 MHz	37
95 MHz	35.8125
96 MHz	34.625
97 MHz	33.5
98 MHz	32.3125
99 MHz	31.5
100 MHz	29.875
101 MHz	28.6875
102 MHz	27.625
103 MHz	26.8125
104 MHz	25.625
105 MHz	24.8125
106 MHz	23.625
107 MHz	22.8125
108 MHz	21.6875
109 MHz	20.875
110 MHz	19.6875

Antenna Specifications

Gain:	3.4dBi	Pattern:	Omnidirectional
VSWR:	< 1.5:1	Polarization:	Vertical
Maximum Input:	200 Watts	Maximum Length:	7 feet 7 inches
Range:	88 – 110 MHz	Weight:	2.4 pounds