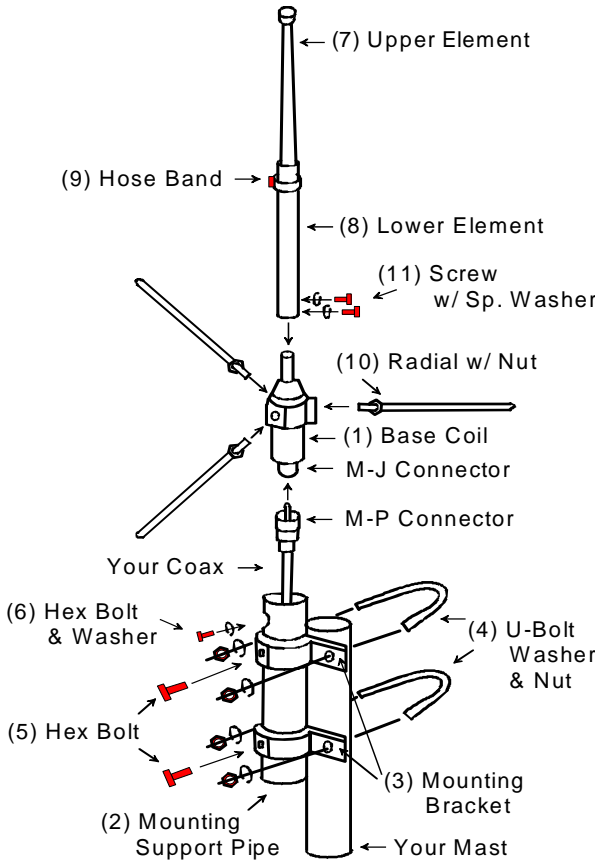




FMA200

5/8 Wave FM Broadcast Antenna



ANTENNA ASSEMBLY

1. First, assemble the Upper Element and the Lower Element with the hose band. Then attach the element 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 lock nuts.
3. Assemble and attach the (2) mounting brackets to the Support Pipe as shown. Run your coax up through the Support Pipe and attach to the connector at the base of the coil (Standard PL-259 connector).
4. Adjust (Tune) the top element length (tip of the Upper Element to the top of the Lower Element) to your operating frequency, according to the Frequency Tuning Chart.
5. Finally, mount the assembled antenna on your mast using the two U-Bolt assemblies provided with the Mount Brackets

OMNIDIRECTIONAL FM BROADCAST ANTENNA

Rev-D, August 2009

SPECIFICATIONS

- Frequency: 88-110 MHz
- Impedance 50 Ohm
- Gain: 3.4dBi
- VSWR: Less than 1.5:1
- Bandwidth (after tuning) 3MHz
- Max Power: 340 Watts
- Length: 88 MHz 98" (2490mm)
108MHz 75" (1905mm)
- Weight: 2.4 Lbs
- Available Mast: 1" - 2 7/16" OD

PARTS LIST

001	Base coil	1
002	Mount support pipe	1
003	Mount bracket	2
004	U-Bolt with hardware	2
005	Hex bolt	2
006	Hex bolt w/washer	1
007	Upper element	1
008	Lower element	1
009	Hose band	1
010	Radial arm w/nut	3
011	Screw w/spring washer	2

FREQUENCY TUNING

FREQ	LENGTH APPROX.	
88 MHz	39"	990.9mm
89 MHz	37 3/4"	958.9mm
90 MHz	36 1/2"	927.1mm
91 MHz	34 7/8"	855.8mm
91.5 MHz	34"	863.6mm
92 MHz	32 3/16"	817.6mm
93 MHz	31 1/2"	800.1mm
94 MHz	30 1/4"	768.4mm
95 MHz	29"	736.6mm
96 MHz	27 3/4"	704.9mm
97 MHz	26 1/2"	673.1mm
98 MHz	25 1/4"	641.4mm
99 MHz	24"	609.7mm
100 MHz	23 1/8"	587.4mm
100.5 MHz	21 1/2"	546.1mm
101 MHz	21 3/16"	538.2mm
102 MHz	20 5/8"	523.9mm
103 MHz	20"	508.0mm
104 MHz	19 1/4"	489.0mm
105 MHz	18 1/2"	469.9mm
106 MHz	17 7/8"	454.0mm
106.5 MHz	17 1/2"	444.5mm
107 MHz	16 1/8"	409.8mm
108 MHz	15"	381.0mm



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FMA-200 Rev-D