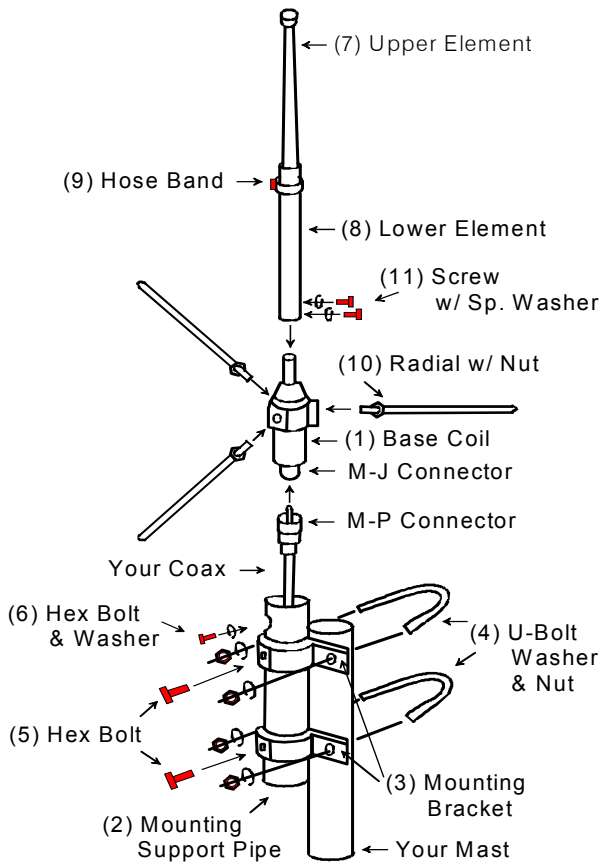




FMA200

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

"Hose Band" Model

- Hose Band (9) is used to affix the 'Upper' and 'Lower' antenna elements.

SPECIFICATIONS

- Frequency: 88-110 MHz
- Gain: 3.4dBi
- VSWR: Less than 1.5:1
- Max Power: 200 Watts
- Length: 7' 7"
- 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

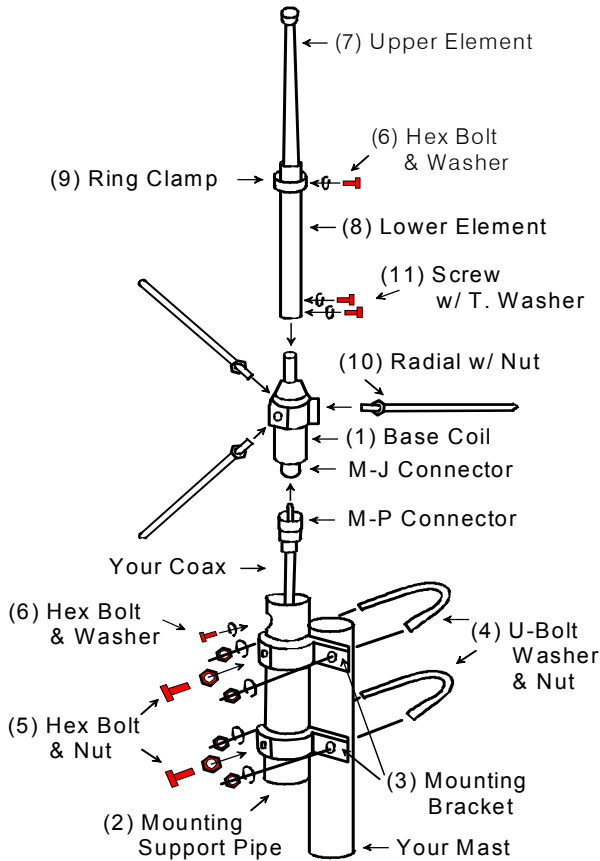
FREQ	LENGTH APPROX.
87 MHz	41
88 MHz	39 5/16
89 MHz	37 5/8
90 MHz	36"
91 MHz	34 5/8"
92 MHz	32 11/16"
93 MHz	31 1/2"
94 MHz	30 1/2"
95 MHz	28 1/2"
96 MHz	27 3/4"
97 MHz	26 9/16"
98 MHz	25 3/8"
99 MHz	24 1/16"
100 MHz	23 1/4"
101 MHz	22 7/16"
102 MHz	21 5/8"
103 MHz	20 3/8"
104 MHz	19 5/16"
105 MHz	18 1/8"
106 MHz	17 5/16"
107 MHz	16 1/8"
108 MHz	15 3/16"
109 MHz	14 3/16"
110 MHz	13"





FMA200

5/8 Wave FM Broadcast Antenna



ANTENNA ASSEMBLY

1. First, assemble the Upper Element and the Lower Element with the ring clamp. 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

“Ring Clamp” Model

- Ring Clamp (9) is used to affix the ‘Upper’ and ‘Lower’ antenna elements.

SPECIFICATIONS

- Frequency: 88-110 MHz
- Gain: 3.4dBi
- VSWR: Less than 1.5:1
- Max Power: 200 Watts
- Length: 7’ 7”
- 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 w/ nut	2
006	Hex bolt w/ washer	2
007	Upper element	1
008	Lower element	1
009	Ring clamp	1
010	Radial arm w/nut	3
011	Screw w/ toothed washer	2

FREQUENCY TUNING

FREQ	LENGTH APPROX.
90 MHz	41 11/16"
91 MHz	40 5/8"
92 MHz	39 3/8"
93 MHz	38 3/16"
94 MHz	37"
95 MHz	35 13/16"
96 MHz	34 5/8"
97 MHz	33 1/2"
98 MHz	32 5/16"
99 MHz	31 1/2"
100 MHz	29 7/8"
101 MHz	28 11/16"
102 MHz	27 5/8"
103 MHz	26 13/16"
104 MHz	25 5/8"
105 MHz	24 13/16"
106 MHz	23 5/8"
107 MHz	22 13/16"
108 MHz	21 11/16"
109 MHz	20 7/8"
110 MHz	19 11/16"

