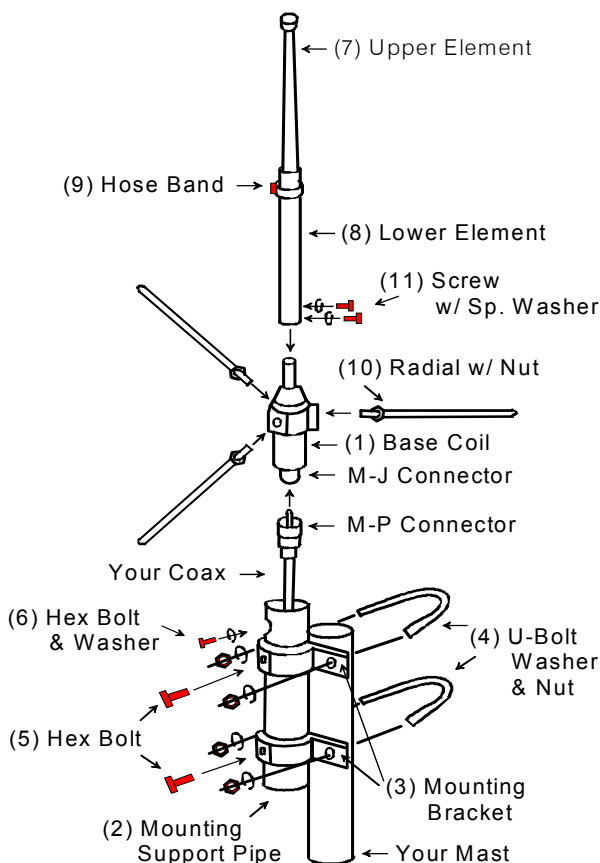




FMA200

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 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" |



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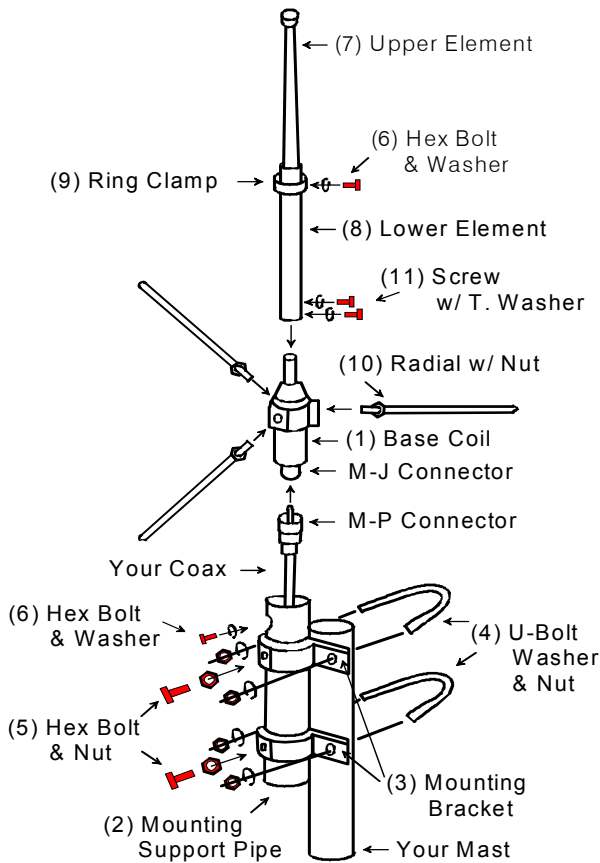
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<http://www.ramseykits.com>

FMA-200 Rev-C



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 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" |



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FMA-200 Rev-C