

NMO VHF

CUTTING THE ROD

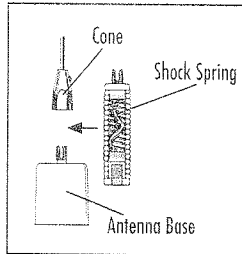
The whip is constructed of the highest grade 17-7PH stainless steel to provide all-weather protection and maximum radiation efficiency. Use the sharp corner of a file or the edge of a grinding wheel to cut the rod and snap off with a pair of pliers.

CLEANING THE ROD

To clean the antenna rod, use a damp sponge and soap. In stubborn cases, use a mild abrasive (Bon Ami). Note: Continued use of harsh abrasives could reduce the antenna's performance.

NMO150C/NMO150B and NMO220C/NMO220B WITH SHOCK SPRING OPTION

This cutting chart applies only to NMO antennas designed for a shock spring. Note: These antenna elements come with a metal cone that screws either directly on the base or on the shock spring (see adjacent drawing). The cutting lengths are based on inserting the rod as far as possible into the spring of base loading coil. This gives the user approximately 3/4" (1.9mm) of adjustment in case the rod was inadvertently cut too short.



Half Wave Cutting Charts NMO150CHW / NMO150BHW

Operating Frequency	w/o spring		w/spring	
	Inches	cm	Inches	cm
144 MHz	41 3/8	105.1	38 1/4	97.2
146 MHz	40 1/8	101.9	37 5/16	94.8
148 MHz	39 1/8	99.4	36 1/4	92.1
150 MHz	38 1/8	96.8	35 5/16	89.7
152 MHz	37 1/8	94.3	34 5/16	87.2
154 MHz	36 1/8	91.8	33 3/8	84.8
156 MHz	35 1/8	89.2	32 7/16	82.4
158 MHz	34 1/4	87.0	31 9/16	80.2
160 MHz	33 3/8	84.8	30 11/16	77.9
162 MHz	32 1/4	81.9	29 7/8	75.9
164 MHz	31 1/8	79.1	29 1/16	73.8
166 MHz	30 3/8	77.2	28 1/4	71.8
168 MHz	30	76.2	27 1/2	69.9
170 MHz	29 3/4	75.6	26 3/4	67.9
172 MHz	28 7/8	73.3	26	66
174 MHz	28 3/8	72.1	25 3/8	64.5

NMO220CHW

Operating Frequency	Inches	cm
215 MHz	25 1/8	63.8
220 MHz	24 3/8	61.9
225 MHz	23 1/2	59.7
230 MHz	22 3/4	57.8
235 MHz	21 5/8	54.9

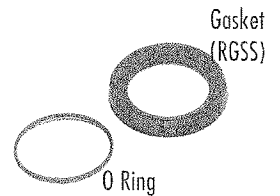
5/8 Wave Cutting Charts NMO220C / NMO220B

Operating Frequency	w/o spring		w/spring	
	Inches	cm	Inches	cm
220 MHz	32	81.3	29 1/8	74.0
225 MHz	31	78.7	28	71.1
230 MHz	30 1/8	76.5	27	68.6
235 MHz	29 1/4	74.3	26 1/4	66.7
240 MHz	28 1/4	71.8	25 1/4	64.1

5/8 Wave Cutting Chart NMO150C / NMO150B

Operating Frequency	w/o spring		w/spring	
	Inches	cm	Inches	cm
144 MHz	49	124.5	46	116.8
146 MHz	48	121.9	45 1/4	114.9
148 MHz	47	119.4	44 1/4	112.4
150 MHz	46 1/4	117.5	43 1/4	109.9
152 MHz	45 1/2	115.6	42 1/2	108.0
154 MHz	44 3/4	113.7	41 7/8	106.4
156 MHz	44 1/4	112.4	40 1/4	102.2
158 MHz	43 3/8	110.2	40 1/8	101.9
160 MHz	42 3/4	108.6	39 5/8	100.6
162 MHz	41 7/8	106.4	38 7/8	98.7
164 MHz	41 1/4	104.8	38	96.5
166 MHz	40 5/8	103.2	37	94.0
168 MHz	40	101.6	36 5/8	93.0
170 MHz	39 1/4	99.7	36	91.4
172 MHz	38 3/4	98.4	35 1/4	89.5
174 MHz	38	96.5	34 5/8	87.9

Note: Larsen NMO antennas come from the factory with both an O Ring and a SuperSeal Gasket (RGSS). Use one or the other for mounting the antenna — they cannot be used together. The RGSS is typically used for permanent mounts.



Pulse warrants to every user of a Larsen product that it will perform to its specified ratings and will be free of defects in materials and workmanship.

Pulse will repair or replace without charge any Larsen product which fails to meet this warranty within one year of the purchase date. Excluded is failure due to misuse such as striking objects, improper installation, and use beyond specifications.

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