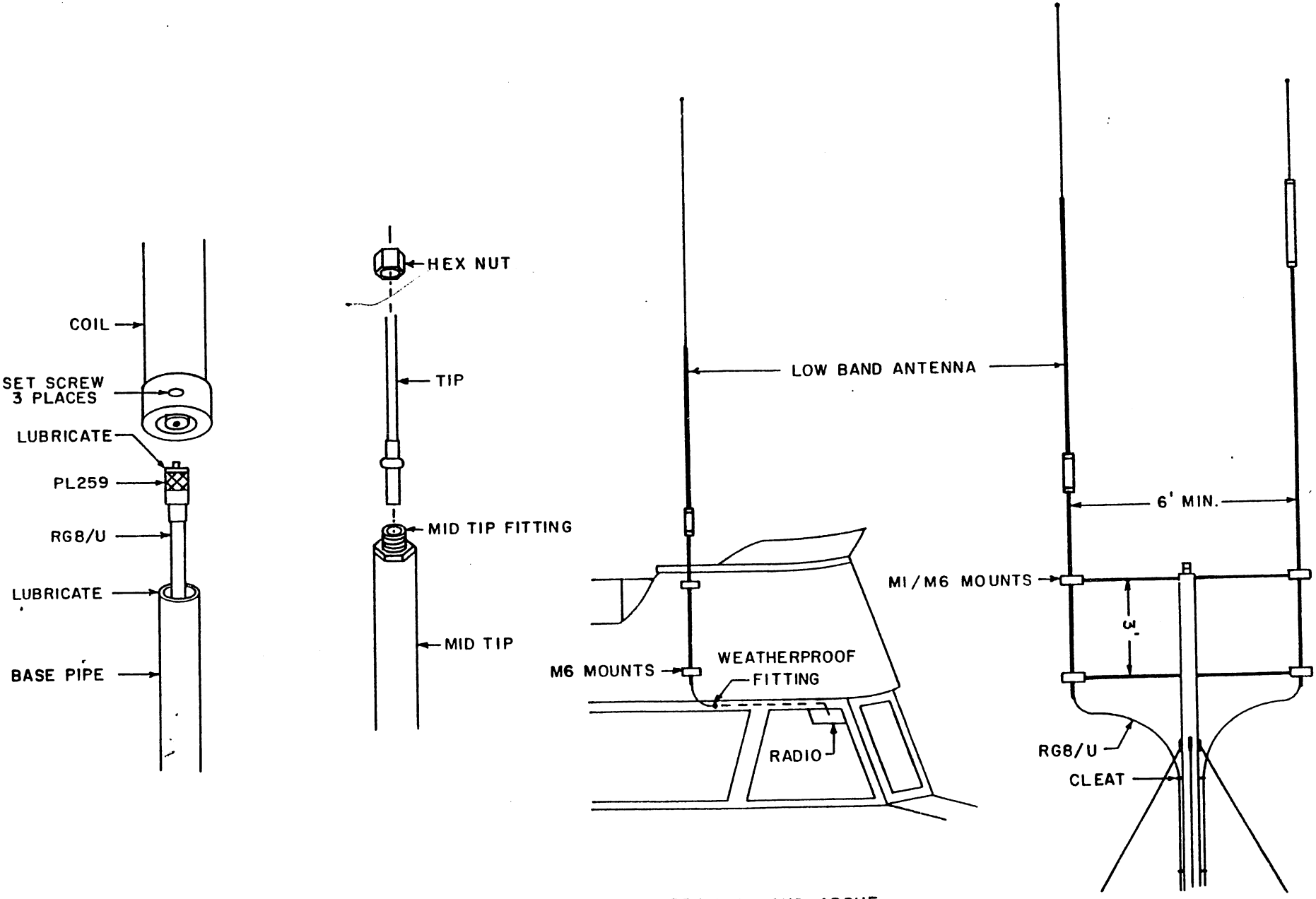
INSTALLATION INSTRUCTIONS
LOWBAND ANTENNA *35.1 MHz AND ABOVE*
NOTE: FAILURE TO FOLLOW INSTALLATION INSTRUCTIONS WILL VOID ALL WARRANTIES

After removing antenna and base pipe from cartons, remove white fiberglass tip from base pipe. Insert tip, butt end first, into mid tip fitting (see drawing) and secure firmly with large nickel plated hex nut, using two wrenches. Failure to tighten properly may result in water damage.

Install mounting brackets so that the antenna will be in a vertical position and will clear all guy wires, stays and other antennas by at least six feet. On metal mast installations, the base of the antenna should not parallel the mast for more than three feet and should be spaced away from the mast at least 10". This will prevent the antenna from being de-tuned because of close proximity to metal mast.

Feed the RG8/U transmission line, fitted with the PL259 coax plug, up through the base pipe and connect firmly to bottom of coil. Slide coil down over the top of base pipe until well seated, then tighten three set screws. A good lubricant, such as silicone grease, should be used on both the base pipe and the PL259 coax plug.



VHF LOW BAND — 35.1 MHz AND ABOVE

LOWBAND ANTENNA
LB1700
SPECIFICATIONS
WHEN TUNED TO 44.5 MHZ

SWR	1.2:1
Transmitting Frequency Range	43.93 – 45.64 MHz
Base Pipe	1" OD gold anodized aluminum pipe, 63 1/8" length 8 5/8" loading coil
Mid Tip	1" OD gold anodized aluminum pipe, 42 7/16" length
Tip	83 ¾" fiberglass tip
Maximum Input	100 Watts
Input Impedence	50 OHMS
Radiation Pattern	Omnidirectional
Relative Gain	6 dB
Wind Survival	100 MPH

Base loaded half-wave with ¼ wave decoupling sleeve.

Power Rating	100 watts
Overall Height	Approximately 16 feet at 44.5 MHz
Actual Weight	Approximately 4.5 Lbs. at 44.5 MHz
Shipping Weight	Approximately 6 Lbs. at 44.5 MHz
Shipping Length	Approximately 86" at 44.5 MHz

VHF LOWBAND ANTENNAS

The Morad VHF Lowband Antenna is a full half-wave groundless antenna that provides exceptional performance. A low angle of radiation and minimum resistive losses assure maximum range. The extremely low loss-matching transformer assures excellent standing wave ratios and provides a bandwidth of approximately 3 MHz (the actual bandwidth figures will vary with frequency and installation).

The matching transformer includes an SO239 style connector providing the end user flexibility in selecting a coaxial interface cable. The antenna is constructed using 1" diameter aluminum pipe above and below the matching transformer, with a 7 foot fiberglass tip. All antennas tuned above 30.9 MHz can be shipped via UPS.

SPECIFICATIONS

Electrical

Power Rating	100 Watts
Input Impedance	50 Ohms
Radiation Pattern	Omnidirectional
Operating Frequency Range	25 - 54 MHz

Mechanical

Wind Survival (when properly installed)	100 MPH
Height	13 - 18 Feet (depending on frequency)
Actual Weight	Approximately 4 1/2 lbs.