AV-100

ELT Antenna
FAA TSO C126a

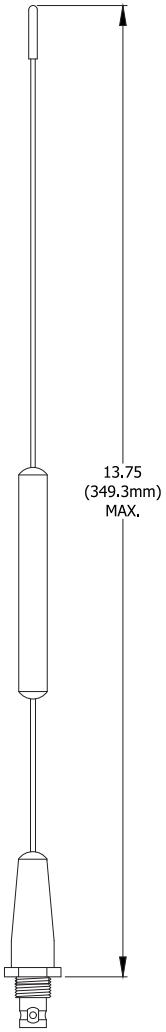
RAMI
The Antenna Professionals



This airborne antenna is intended for use with an ELT (Emergency Locator Transmitter) for general aviation. It has a passive two frequency wire whip, designed for low speed aircraft (up to 250 knots). This antenna operates at VHF and UHF frequencies. It has met DO-160G, Section 8, Category S requirements for standard vibration.

Product Specifications

Application	Airborne ELT
Frequency	121.5 MHz 406 MHz
Impedance	50 Ohms Nominal
VSWR	2.0:1 Max. @ 121.5 MHz 1.5:1 Max. @ 406 MHz
Polarization	Vertical
Pattern	Omni-Directional
Connector	BNC Female
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Mechanical Specifications

Height	13.75"	349.25 mm
Weight	3 oz.	0.09 kg
Color	Black	

AV-100 INSTALLATION INSTRUCTIONS
ELT Antenna for General Aviation (Incomplete System)

Frequency Range: 121.5 & 406 MHz

1.) Mounting location should be on the top of the aircraft at least 24” (609.6mm) from any other metal protrusions. Typically mounted aft of passenger/ baggage area and forward of vertical stabilizer.

2.) Drill Ø.500” (Ø12.7mm) mounting hole through the aircraft skin at desired location. Remove all burrs from around edge to allow proper seating of moisture seal.

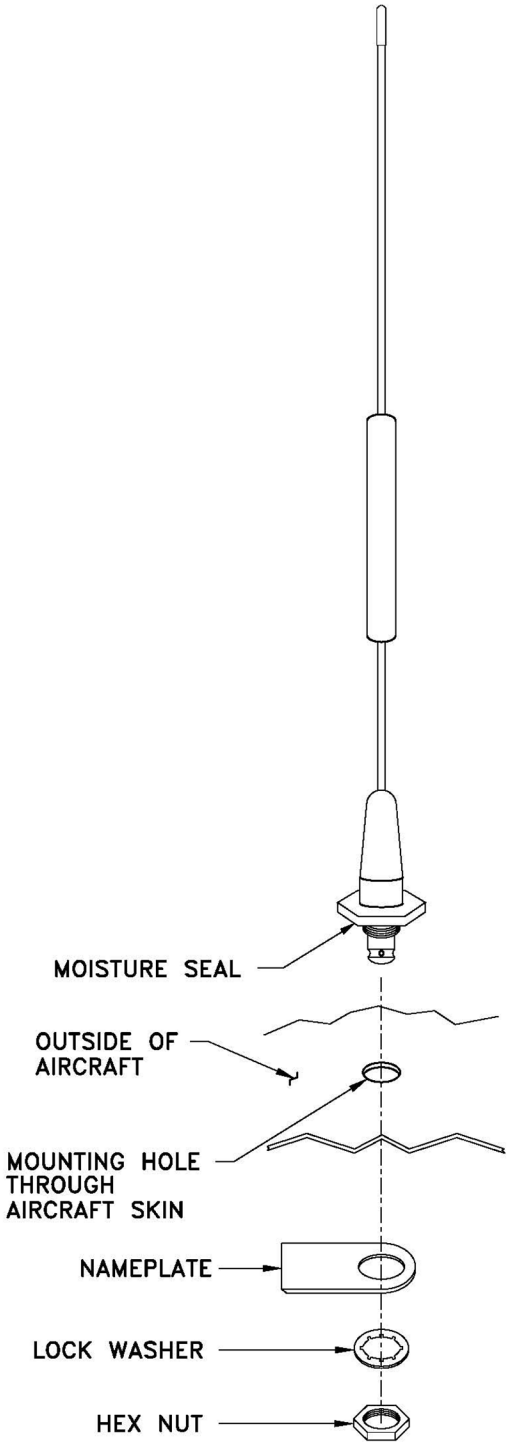
3.) Disassemble antenna by removing the hex nut, lock washer and nameplate as show in the illustration.

4.) Insert the antenna through the mounting hole from the outside of the aircraft.

5.) Slide nameplate and lock washer over the BNC connector of the antenna from the inside of the aircraft. Thread the hex nut onto the BNC connector and tighten securely.

6.)Connect the antenna to the ELT using a cable with a BNC type connector attached (not supplied).

The conditions and tests for TSO approval of this article are minimum performance standards. Those installing this article, on or in a specific type or class of aircraft, must determine that the aircraft installation conditions are within the TSO standards. TSO articles must have separate approval for installation in an aircraft. The article may be installed only according to 14 CFR part 43 or the applicable airworthiness requirement.



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