ANTENNAS

BOB ARCHER AIRCRAFT ANTENNAS

These antennas have been designed by Bob Archer from Torrance, CA, utilizing concepts common to military aircraft and space vehicles. The antenna performance is superior to most in use today in private aircraft. The only requirement for max. performance is that the antennas must be installed in accordance with the installation instructions. These antennas are designed to be installed inside fiberglass or other non-conductive wing tips or tail caps of metal or other conductive material aircraft.

SPORT AIRCRAFT ANTENNAS

MODEL 1A This Wing Tip Antenna is designed to be installed inside larger fiberglass wing tips on metal (conductive) that is airplanes such as T-18’s, RV’s and Bonanzas etc. But tuned out for the Com Band. The wing tips must have internal dimensions of at least 11” x 24” and generally fit better on the bottom surface. The VSWR is normally less than 2.0:1 over a frequency band of 108 to 136 MHz but could be higher due to installation factors. Offered because of pressure from RV builders. Users report good communications at ranges greater than 100NM. The antenna meets all of the RTCA DO-160E requirements. P/N 11-05937 .......................... $720.00

MODEL 2 - Tail cap Com antenna for metal (conductive) airplanes installed inside a tail tip fiberglass fairing with inside dimensions of at least 10” high x 12” long. VSWR is normally less than 2.0:1 over a COM frequency band of 118 to 136 MHz. 2.5 oz. 8-32 x .437” long threaded studs. P/N 11-10500 .................. $15.65

MODEL 4 - Wing tip VOR antenna designed for smaller tips with a 10° degree flare on the top portion and a curved aft portion. VSWR less than 2.0:1 over the frequency band of 108 to 118MHz. 2 oz. 8-32 x .437” long threaded studs. P/N 11-21025-1 ............ $124.85

Left Side .............. P/N 11-21016-1 ............ $124.85

Right Side ............ P/N 11-21016-2 ............ $124.85

RED TAIL AIRBAND ANTE NNA

Bent (bottom) Airband Whip Antenna. Non-TSO’d for Experimental aircraft. Delta Pop Aviation Red Tail™ Antennas are the best non-TSO’d antennas we have found, with performance as good as the best TSO’d units. Frequency - 118 to 137 MHz. VSWR - Less than 2.5:1 Measured with Aritsuka Antenna Analyzer. Polarization - Vertical. Impedance - 50 Ohms. Connector - BNC Female. Element - Tapered Aluminum UV Resistant Powder Coated. Configuration - D-Grounded To Reduce “P” Static. Mounting - 8-32 x .437” long threaded studs. Weight - 6.5 oz / 184 grams. Finish - White Polyurethane. Bent (Bottom) ...........................................P/N 11-13829 ............ $135.00

Straight (Top) ...............................................P/N 11-13828 ............ $125.00

RED TAIL TRANSPO NDER ANTE NNA

Streamlined Transponder Antenna. Non-TSO’d for Experimental aircraft. The Delta Pop Aviation streamlined transponder antennas are the best non-TSO’d antennas we have found, and they offer a low drag solution at a good price. Frequency - 1030 to 1090 MHz. VSWR - Less than 1.2:1 Measured with Aritsuka Antenna Analyzer. Polarization - Vertical. Impedance - 50 Ohms. Connector - BNC Female. Mounting - 8-32 x .437” long threaded studs. Weight - 2.6 oz / 74 grams. Finish - White Polyurethane. P/N 11-13839 ............................................. $78.75

ANTENNAS FOR COMPOSITE AIRCRAFT

MODEL 6 - This COM antenna is designed to be installed on the inside surface of the aft fuselage of composite and wood aircraft. It is a dipole that is folded up to minimize the internal dimension and requires 12” of fore and aft space and 26.5” vertically. It is designed with flexibility so it can match the internal curvature of the fuselage. The VSWR is less than 2:1 across the COM frequency band. ...........P/N 11-21000 .......... $187.75

MODELS 7 & 8 - These antennas are essentially the same with the exception of the overall length and the matching devices with the COM antenna being installed horizontally. VSWR is less than 2:1 over their respective frequency bands. The outer ends of these antennas may be swept to +/−30° to facilitate installation in various aircraft types. NAV Antenna Model 7 ................. P/N 11-21030 .......... $124.85

COM Antenna Model 8 ........... P/N 11-21035 .......... $119.95

STAINLESS VHF ANTENNAS FOR HOMEBUILTS

These VHF antennas are stainless steel including all hardware. Insulators are made of Delrin, which resists extreme cold or high temperatures and is non-breakable. Antennas are available in straight and 45° or 90° angles. 118–136 mHz range. Tinned copper conductor, solid polyethylene dielectric. Standard cable for radio installations. For experimental aircraft only. P/N 11-04258 ............... $70.74 ............ $51.80/100ft.

 rightfully £T12.50

BNC COAXIAL ANTENNA CONNECTORS FOR RG-58U CABLE

Male ................. P/N 11-01802 ............ $3.50

Female ............... P/N 11-01803 ............ $2.85

ANTENNA INSULATORS

(1) Feed-Through Insulator for lead-in wire from fixed antenna. Type 4125. 10-32 threads, 3” length tip to tip. 1-9/16” casing. ..........P/N 11-10500 ....... $16.65

(2) Strain Insulator for receiver antenna. .......P/N 463 ............... $10.95

ANTENNA SEALANT AC236B1

Perfect sealant for antenna installations. AC-236 Class B is a two-component, manganese dioxide cured, liquid polysulfide polymer system providing excellent fuselage seals. P/N 09-00532 ............ $25.50

WSI WEATHER/SIRIUS RADIO ANTENNA - Operates with all new WSI InfFlight® receiver. antenna. The antenna has been thoroughly tested and meets all of the RTCA DO-160E requirements. P/N 11-05937 .......... $720.00

TED TRANSPONDER ANTENNA - This monopole transponder/DME antenna meets the same specifications and is a direct replacement for the CI-101 and AV-22 antennas. Exceptional performance and value. P/N 11-17990 ............ $229.95

COPPER ANTENNA FOIL TAPE 3/8 INCH

Tinned copper conductor, solid polyethylene dielectric. Works fine in glass wing tips and fuselages or wing to fuselage gap seals. P/N 11-14517 .................. $52.95

COAXIAL CABLE - RG-58U – Tinned copper conductor, polyethylene dielectric. Standard cable for radio installations. For experimental aircraft only. P/N 11-04258 ............... $70.74 ............ $51.80/100ft.

TYPE RG-400U – Tinned copper conductor, PVC Type IIa jacket. FAA approved for certificated aircraft. P/N 11-09202 ............ $2.85/ft.... $242.25/100ft.

AV