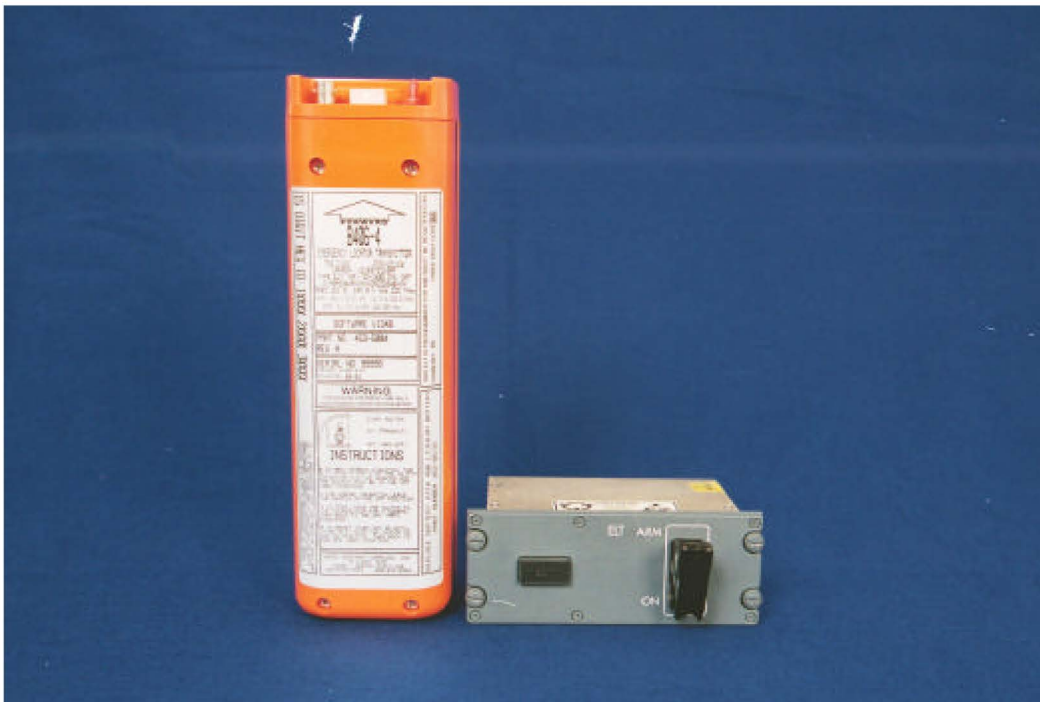# ARTEX

ARTEX B406-4
406 MHz Emergency Locator Transmitter
(Type AF ELT) Cospas/Sarsat Approved,
FAA TSO C126 Approved, JTSO-2C126 Approved

The Artex **B406-4** transmits on all 3 emergency frequencies (121.5/243.0 and 406 MHz). The ELT automatically activates during a crash and transmits the standard swept tone on 121.5 and 243.0 MHz. Every 50 seconds for 520 milliseconds (long message protocol) the 406.025 MHz transmitter turns on and transmits an encoded digital message to the Cospas/Sarsat satellite system. The ELT can be programmed with the aircraft's 24-bit address as well as latitude/longitude information from the aircraft navigation system when used with the Artex ELT/NAV Interface -B (P/N 453-6501). The **B406-4** is designed to interface with Boeing's Master Caution System in conjunction with the DZUS mounted cockpit remote panel. The mounting hardware for the **B406-4** is compatible with all previous versions of Artex 406 MHz ELT's.

B406-4 w/ Remote Panel

5757 Ravenswood Road, Fort Lauderdale, FL 33312 (954) 981-3333
www.acrartex.com

SPECIFICATIONS:

Operating Frequencies:
406.025 MHz ± 2 kHz Biphase L (16K0G1D)
121.5 & 243.0 MHz ± 0.005% (A3X)

Output Power:
406 MHz: 5 W ± 2 dB (520 ms / 50 sec)
for 24 hours @ -20° C
121.5/243.0 MHz: 100 mW min (+20 dBm
for 50 hours @ -20° C)

Output connector:
BNC Female

Activation:
Automatic by 4.5 ft/sec G-Switch or Manual

Battery:
5 year Lithium (LiMnO$_2$, solid cathode)

Temperature:
Operating: -20° C to +55° C
Storage: -55° C to +85° C

Self Test Functions:
G-Switch enabled
406 MHz Power
Antenna/Coax Connection
Position Data Present
Battery Time

Remote Control:
ON/OFF/RESET w/ Master Caution Interface
P/N 453-0161, 453-0162, 453-0163 or 453-0164

Antenna:
Rod (110-320) (<350 KTS)
Blade (110-337) (600 KTS TAS @ 25,000 Ft.)

Mounting Hardware:
Mounting Tray 452-5050
Protective Top Cover P/N 452-3052
End Cap P/N 452-5052

Other Parts:
Coax cables
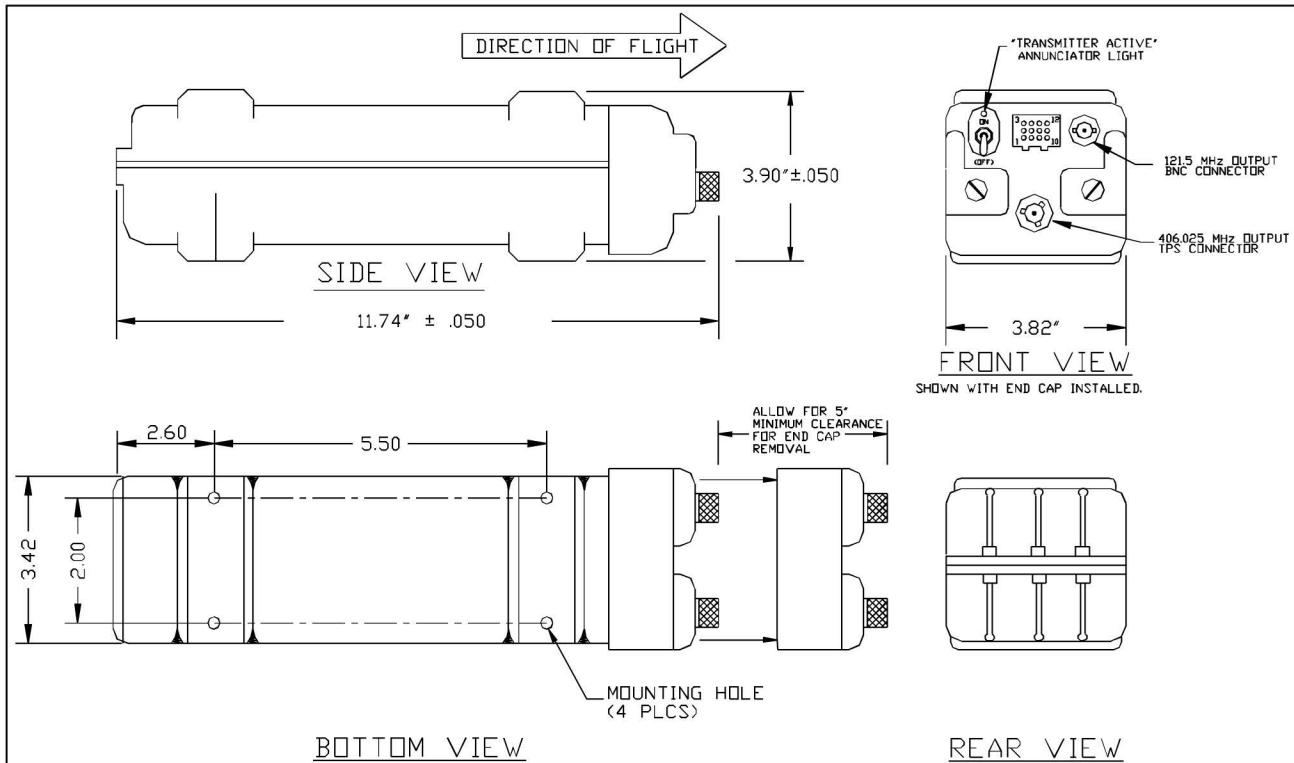Buzzer (to alert ground crews of accidental activation)

Weights:
ELT Transmitter: 3 LB 5.8 oz Max (1.53 Kg)
Mounting Tray: 7 oz (200 g)
Protective Top Cover: 6.7 oz (190 g)
End Cap: 3.8 oz (108 g)
Total Weight: 4.46 LBS (2.02 Kg)

Measurements:
ELT Transmitter with Mounting Hardware Installed:
11.74" (298mm) L x 3.90" (99mm) H x 3.82"(97mm) W

Part Numbers:
B406-4: 453-5004 (Transmitter Only)

ELT OUTLINE DRAWING

560-5004 Rev. -
02-27-03