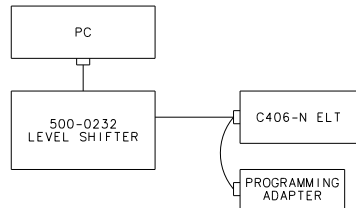


C406-N ELT PROGRAMMING ADAPTER CONFIGURATION

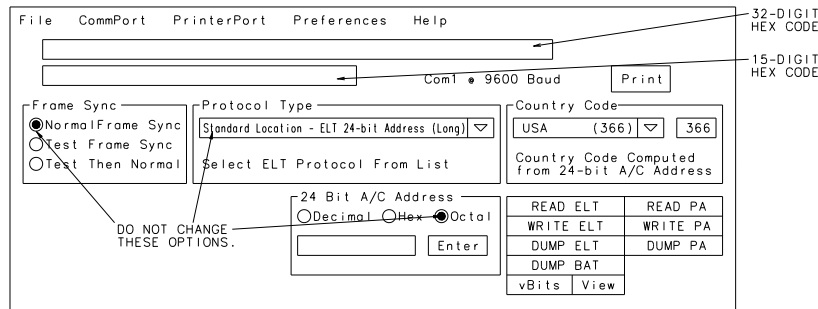
THE C406-N ARTEX ELT IS CONFIGURED USING A PROGRAM ADAPTER (PA). THE PROCEDURE, BASED ON DOC #570-2225 REV D (REF), IS AS FOLLOWS:

1) HARDWARE SETUP



1. VERIFY THAT SOFTWARE FROM THE 510-406 (REF) ARTEX CUSTOM CD ROM HAS BEEN INSTALLED ON THE PROGRAMMING PC.
2. CONNECT THE 22-PIN MALE CONNECTOR OF THE LEVEL SHIFTER TO THE 453-5068 PROGRAMMING ADAPTER (REF).
3. CONNECT THE 22-PIN FEMALE CONNECTOR OF THE LEVEL SHIFTER TO THE 453-5066 C406-N ELT (REF).
4. CONNECT THE 9-PIN CONNECTOR OF THE LEVEL SHIFTER TO THE PC COM PORT.
5. TURN THE LEVEL SHIFTER ON AND CHECK TO MAKE SURE THE RED LED ON THE ON-OFF SWITCH LIGHTS UP. THIS LIGHT INDICATES ADEQUATE BATTERY POWER.
6. TURN ON THE PC. START THE ARTEX PROGRAMMING SOFTWARE BY CHOOSING THE "Artex ELT Programmer" ICON ON THE DESKTOP OR START MENU OF THE PC.

2) SOFTWARE OPERATION



1. SELECT THE **CommPort** MENU TO SELECT THE LOCATION WHERE THE LEVEL SHIFTER IS CONNECTED, EITHER COM1 OR COM2. THIS SETTING WILL IS RETAINED EVEN WHEN THE SOFTWARE IS SHUT OFF. THE COMM RATE MUST REMAIN AT 9600 BAUD TO PROGRAM THE ADAPTER.
2. SELECT THE **PrinterPort** MENU TO SET THE PRINTER LOCATION. CHOOSE THE "WINDOWS PRINTER" SELECTION TO USE ANY PRINTER CONTROLLED BY A WINDOWS DRIVER, INCLUDING NETWORK PRINTERS. SELECT "COURIER NEW" AS THE FONT FROM THE RESULTING FONT WINDOW. MAKE SURE THAT THE PRINTER IS ON.
3. OBTAIN THE OCTAL MODE-S CODE FROM THE SALES ORDER AND RECORD IN THE "24 BIT A/C ADDRESS" WINDOW. THE ADDRESS SHOULD CONSIST OF EIGHT 0-7 DIGITS. THE THREE-DIGIT COUNTRY CODE WILL BE AUTOMATICALLY DETECTED BASED ON THIS VALUE.
4. CLICK **ENTER**. THE 32-DIGIT HEX CODE WILL BE SHOWN IN THE BOX NEAR THE TOP OF THE WINDOW, WITH THE ABBREVIATED 15-DIGIT HEX CODE UNDERNEATH.
5. VERIFY THAT THE 32-DIGIT HEX CODE STARTS WITH "2F". IF THE FIRST TWO DIGITS ARE SOMETHING OTHER THAN "2F", VERIFY THAT FRAME SYNC IS SET TO "NORMAL".
6. CLICK **WRITE PA**.
7. RECORD THE 15-DIGIT HEX KEY. IF A PRINTER IS AVAILABLE, CLICK **PRINT** TO PRINT THE HEX CODES FROM THE PROGRAMMING WINDOWS. IF NO PRINTER IS AVAILABLE, WRITE THE HEX KEY DOWN.

3) PROGRAMMING VERIFICATION



1. CONNECT THE SARSAT TESTSET (ARTEX P/N 453-0131, (REF)) TO THE 406 MHZ ANTENNA OUTPUT OF THE ELT THROUGH 30 dB OF ATTENUATION (ARTEX P/N 500-3000 (REF)).
2. TURN AIRCRAFT BATTERY SWITCH "ON".
3. TURN AIRCRAFT AVIONICS POWER SWITCH "ON".
4. TURN FMS 1 "ON" & WAIT FOR A VALID GPS POSITION.
5. TURN ELT "ON".
6. WAIT FOR THE SARSAT TESTSET TO RECEIVE A VALID MESSAGE (MINIMUM 15 SECONDS). TURN THE ELT "OFF".
7. REVIEW THE PAGES OF THE MESSAGE AS RECEIVED ON THE SARSAT TESTSET. LOCATE AND RECORD THE FOLLOWING DATA:
 - FREQUENCY
 - 3 DIGIT COUNTRY CODE & COUNTRY
 - HEX ID
 - AIRCRAFT #
 - LATITUDE & LONGITUDE
8. VERIFY THAT THE TESTS COMPLETED BY THE SARSAT TEST SET PASSED AND THAT THE COUNTRY CODE, 15-DIGIT HEX ID, AND AIRCRAFT # MATCH THE PROGRAMMED DATA. VERIFY THE LATITUDE AND LONGITUDE IS NEAR 37.6°N AND 97.3°N (WICHITA, KS).

4) LABEL REQUIREMENTS

1. RECORD THE 15-DIGIT HEX ID CODE ON P/N 591-0999 (REF) LABEL AND AFFIX TO THE ELT PRODUCT LABEL, COVERING FACTORY DEFAULT HEX ID CODE.
2. RECORD THE 3-DIGIT COUNTRY CODE ON P/N 591-0429-01 (REF) LABEL AND AFFIX TO THE ELT COUNTRY LABEL, COVERING FACTORY DEFAULT CODE.

NOTE:

1. THIS DRAWING FILED IN CCD.
2. RECORD THE COUNTRY & 3 DIGIT COUNTRY CODE ON THE ELT PRODUCT LABEL, P/N 591-0429-01, WHICH IS AFFIXED TO THE TOP OF THE ELT.
3. RECORD THE 15 DIGIT HEX ID CODE ON P/N 591-0999 LABEL STOCK AND AFFIX TO THE ELT PRODUCT LABEL (COVERING FACTORY DEFAULT HEX ID CODE).


DATE	12/20/04	CESSNA AIRCRAFT COMPANY AIRCRAFT DIVISION P.O. BOX 7704 WICHITA, KANSAS 67277
DRAWN	GREG ABEL	
GROUP		 ARTEX C406-N ELT PROGRAMMING ADAPTER CONFIGURATION
CHECK		
SECT		
PROJ		
M.E.		
OTHER		SIZE: FSCW NO. F71379 DWG NO. 8603009 FABRICATE PER: 052208 PROCESS PER: 0000000000 WIRE TERMINATION PER: 052216
SCALE: 0 PARENT:		SHEET 1 OF 2

8603009 1

REVISIONS				
SHEET	REV	DESCRIPTION	DATE	APPROVED

2 ▽ ELT C406-N
PRODUCT LABEL
P/N 591-5000 (REF)

15 DIGIT HEX ID: XXXXXX



FORWARD

C406-2

EMERGENCY LOCATOR TRANSMITTER
ISO C126 TYPE ELT (AF)
CANADA: 121.5 873 100AF
DO-160C ENV CAT
C1-204A204XRXXXXBBBA204ZXXX
FREQ. 121.5, 243.0 & 406.025 MHz
PEP. 50W FOR 50 HRS (121.5 & 243.0 MHz)
PEP. 5W FOR 24 HRS (406.025 MHz)

FCC ID ARTEX C406-2
SOFTWARE

PART NO. 453-5000-()
REV.


SERIAL NO.
WEIGHT: 4 LBS. 6 OZ.
MFG DATE:

THIS ELT IS PROGRAMMED FOR AND MUST BE REGISTERED IN:
COUNTRY:

REPLACE BATTERY WITH 406 LITHIUM BATTERY
PART NUMBER 452-0133.

WARNING

FOR AVIATION EMERGENCY USE ONLY
UNAUTHORIZED OPERATION PROHIBITED.



2-WAY SWITCH
ON (TRANSMIT)
OFF (ARM/OFF)

INSTRUCTIONS

- TO ARM (ENABLE G-SWITCH) THE ELT. PINS 5 & 8 ON THE 12 PIN CONNECTOR MUST BE SHORTED AND THE SWITCH MUST BE IN THE OFF (ARM) POSITION.
- FOR NORMAL OPERATION LEAVE THE SWITCH IN THE OFF POSITION.
- TO TEST, MOVE THE SWITCH TO THE ON POSITION FOR 3 SWEEPS, THEN BACK TO THE OFF (ARM) POSITION.
- TO RESET (TURN OFF AN ACTIVATED ELT) MOVE THE SWITCH TO THE ON POSITION, THEN BACK TO THE OFF (ARM) POSITION.

ARTEX AIRCRAFT SUPPLIES, INC.
P.O. BOX 1270
CANBY, OREGON 97013 USA
503-266-3959 800-547-6901

3 ▽ AFFIX P/N 591-0999
HERE TO COVER UP FACTORY
DEFAULT HEX ID CODE.

4 ▽ AFFIX P/N 591-0429-01
RECORD 3 DIGIT
COUNTRY CODE HERE.

5 ▽ RECORD REGISTRATION
COUNTRY HERE.

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DRAWN	GREG ABEL	ARTEX C406-N ELT PROGRAMMING ADAPTER CONFIGURATION			
GROUP					
CHECK					
SECT					
PROJ					
M.E.					
OTHER		SIZE	F71379	DWG NO.	8603009
FABRICATE PER CES2208		PROCESS PER XXXXXXXXXX		SCALE:	
WIRE TERMINATION PER CES2216				SHEET 2 OF 2	

8603009