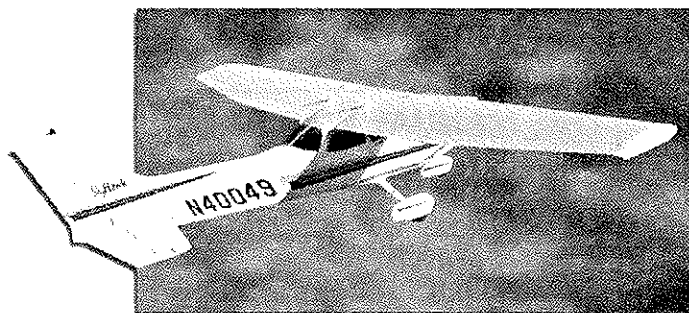





Pilot's Operating Handbook And FAA Approved Airplane Flight Manual **SKYHAWK**



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
Model 172R
NAV III Avionics - GFC 700 AFCS
Serials 17281497 and On

SERIAL NUMBER 17281520

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LN-NKF

This publication includes the material required to be furnished to the pilot by 14 CFR 23.

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CESSNA
MODEL 172R NAV III
GFC 700 AFCS

SECTION 9
SUPPLEMENTS

SUPPLEMENTS

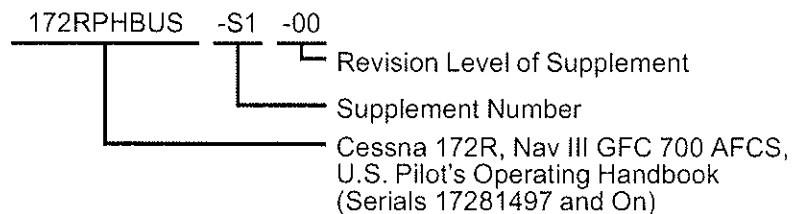
INTRODUCTION

The supplements in this section contain amended operating limitations, operating procedures, performance data and other necessary information for airplanes conducting special operations for both standard and optional equipment installed in the airplane. Operators should refer to each supplement to ensure that all limitations and procedures appropriate for their airplane are observed.

A non FAA Approved Log Of Approved Supplements is provided for convenience only. This log is a numerical list of all FAA Approved supplements applicable to this airplane by name, supplement number and revision level. This log should be used as a checklist to ensure all applicable supplements have been placed in the Pilot's Operating Handbook (POH). Supplements for both standard and installed optional equipment must be maintained to the latest revision. Those supplements applicable to optional equipment which is not installed in the airplane, do not have to be retained.

Each individual supplement contains its own Log of Effective Pages. This log lists the page number and revision level of every page in the supplement. The log also lists the dates on which revisions to the supplement occurred. Supplement page numbers will include an S and the supplement number preceding the page number.

The part number of the supplement provides information on the revision level. Refer to the following example:



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LOG OF APPROVED SUPPLEMENTS

NOTE

IT IS THE AIRPLANE OWNER'S RESPONSIBILITY TO MAKE SURE THAT HE OR SHE HAS THE LATEST REVISION TO EACH SUPPLEMENT OF A PILOT'S OPERATING HANDBOOK, AND THE LATEST ISSUED "LOG OF APPROVED SUPPLEMENTS". THIS "LOG OF APPROVED SUPPLEMENTS" WAS THE LATEST VERSION AS OF THE DATE IT WAS SHIPPED BY CESSNA; HOWEVER, SOME CHANGES MAY HAVE OCCURRED, AND THE OWNER SHOULD VERIFY THIS IS THE LATEST, MOST UP-TO-DATE VERSION BY CONTACTING CESSNA PROPELLER AIRCRAFT CUSTOMER SERVICES AT (316) 517-5800.

Supplement Number	Name	Revision Level	Equipment Installed
1	Artex ME406 Emergency Locator Transmitter (ELT)	0	x
2	Artex C406-N Emergency Locator Transmitter (ELT)	0	_____
3	Bendix/King KR87 Automatic Direction Finder (ADF)	0	_____
4	Winterization Kit	0	_____
5	JAR-OPS Operational Eligibility	0	_____
6	Canadian Certified Airplanes	0	_____



Pilot's Operating Handbook And FAA Approved Airplane Flight Manual SKYHAWK

CESSNA MODEL 172R

NAV III AVIONICS OPTION - GFC 700 AFCS

Serials 17281497 and On

SUPPLEMENT 1

ARTEX ME406

EMERGENCY LOCATOR TRANSMITTER (ELT)

SERIAL NO. _____
REGISTRATION NO. _____

This supplement must be inserted into Section 9 of the Pilot's Operating Handbook and FAA Approved Airplane Flight Manual when the Artex ME406 Emergency Locator Transmitter (ELT) is installed.

APPROVED BY

FAA APPROVED UNDER 14 CFR PART 21 SUBPART J
Cessna Aircraft Co.
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SUPPLEMENT 1

ARTEX ME406 EMERGENCY LOCATOR TRANSMITTER (ELT)

Use the Log of Effective Pages to determine the current status of this supplement.

Pages affected by the current revision are indicated by an asterisk (*) preceding the page number.

<u>Supplement Status</u>	<u>Date</u>
Original Issue	20 December 2007

LOG OF EFFECTIVE PAGES

Page Number	Page Status	Revision Number
S1-1 thru S1-8	Original	0

SERVICE BULLETIN CONFIGURATION LIST

The following is a list of Service Bulletins that are applicable to the operation of the airplane, and have been incorporated into this supplement. This list contains only those Service Bulletins that are currently active.

<u>Number</u>	<u>Title</u>	<u>Airplane Serial</u>	<u>Revision</u>	<u>Incorporated</u>
		<u>Effectivity</u>	<u>Incorporated</u>	<u>in Airplane</u>

**ARTEX ME406 EMERGENCY LOCATOR
TRANSMITTER (ELT)**

GENERAL

The Artex ME406 Emergency Locator Transmitter (ELT) installation uses a solid-state 2-frequency transmitter powered by an internal lithium battery. The ME406 is also equipped with an instrument panel-mounted remote switch assembly, that includes a red warning light, and an external antenna mounted on the top of the tailcone. The remote switch assembly is installed along the upper right instrument panel and controls ELT operating modes from the flight crew station. When the remote switch is set to the ARM position, the transmitter is energized only when the internal "G" switch senses longitudinal inertia forces per TSO-C91a/TSO-C126. When the remote switch is set to the ON position, the transmitter is immediately energized.

The ME406 transmitter unit is located in the tailcone along the right side behind the baggage compartment aft panel. On the ELT transmitter unit is a panel containing an ARM/ON switch and a transmitter warning light.

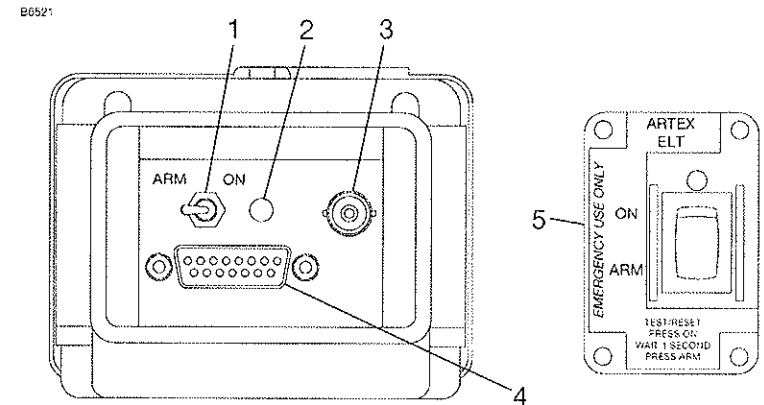
The ELT installation uses two different warnings to tell the pilot when the ELT is energized. The aural warning is an unusual sound that is easily heard by the pilot. The visual warning is a flashing red light directly above the remote switch that shows the pilot that the ELT has been activated.

When the ME406 is energized, the ELT transmits the standard swept tone signal on the international VHF frequency of 121.5 MHz until battery power is gone. The 121.5 MHz signal is mainly used to pinpoint the beacon during search and rescue operations, and is monitored by general aviation, commercial aircraft, and government agencies.

In addition, for the first 24 hours of the ELT being energized, a 406.028 MHz signal is transmitted at 50 second intervals. This transmission lasts 440 milliseconds and contains identification data programmed into the ELT and is received by COSPAS/SARSAT satellites. The transmitted data may include the Aircraft ID, ELT Serial Number, Country Code, and COSPAS/SARSAT ID.

(Continued Next Page)

ARTEX ME406 ELT CONTROL PANEL



1. ELT PANEL SWITCH (2-Position Toggle Switch):
 - a. ARM (OFF) - Turns OFF and ARMS transmitter for automatic activation if "G" switch senses a predetermined deceleration level.
 - b. ON - Activates transmitter instantly. The ON position bypasses the automatic activation switch. The RED warning light on ELT panel and on the remote switch assembly mounted on the instrument panel should come on.
2. TRANSMITTER WARNING LIGHT - Light comes on RED to indicate the transmitter is transmitting a distress signal.
3. ANTENNA RECEPTACLE - Connects to the antenna mounted on top of tailcone.
4. REMOTE CABLE JACK - Connects to the ELT remote switch assembly located on the upper right instrument panel.
5. REMOTE SWITCH ASSEMBLY - (2-Position Rocker Switch):
 - a. ARM (OFF) - Turns OFF and ARMS transmitter for automatic activation if "G" switch senses a predetermined deceleration level.
 - b. ON - Remotely activates the transmitter for test or emergency situations. The RED warning light above the rocker switch comes on to indicate that the transmitter is transmitting a distress signal.

Figure S1-1

OPERATING LIMITATIONS

There are no additional airplane operating limitations when the Artex ME406 ELT is installed.

The airplane owner or operator must register the ME406 ELT with the applicable civil aviation authority before use to make sure that the identification code transmitted by the ELT is in the COSPAS/SARSAT database. Refer to www.cospas-sarsat.org for registration information.

Refer to 14 CFR 91.207 for ELT inspection requirements. The ME406 must be inspected and tested by an approved technician using the correct test equipment under the appropriate civil aviation authorities approved conditions.

EMERGENCY PROCEDURES

If a forced landing is necessary, set the remote switch to the ON position before landing. This is very important in remote or mountainous terrain. The red warning light above the remote switch will flash and the aural warning will be heard.

After a landing when search and rescue aid is needed, use the ELT as follows:

NOTE

The ELT remote switch assembly could be inoperative if damaged during a forced landing. If inoperative, the inertia "G" switch will activate automatically. However, to turn the ELT OFF and ON again requires manual switching of the ELT panel switch which is located on the ELT unit.

1. MAKE SURE THE ELT IS ENERGIZED:
 - a. If the red warning light above the remote switch is not flashing, set the remote switch to the ON position.
 - b. Listen for the aural warning. If the COM radio(s) operate and can be energized safely (no threat of fire or explosion), energize a COM radio and set the frequency to 121.5 MHz. The ELT tone should be heard on the COM radio if the ELT is working correctly. When done, de-energize the COM radio(s) to conserve the airplane battery power.
 - c. Make sure that nothing is touching or blocking the ELT antenna.
2. AFTER RESCUE - Set the remote switch to the ARM position to de-energize the ELT. If the remote switch does not function, set the switch on the ME406 (in the tailcone) to the ARM position.

NORMAL PROCEDURES

When operating in a remote area or over hazardous terrain, it is recommended that the ELT be inspected by an approved technician more frequently than required by 14 CFR 91.207.

NORMAL OPERATION

1. Check that the remote switch (on the upper right instrument panel) is set to the ARM position.

Normal operation of the ME406 from the flight crew station is only to de-energize and arm the ELT after it has been accidentally energized (no emergency).

The ELT can be energized by a lightning strike or hard landing. If the red light above the remote switch is flashing and the aural warning is heard, the ELT is energized. Check for the emergency signal on a COM radio set to 121.5 MHz. To stop the transmissions, set the remote switch to the ON position momentarily and then set to the ARM position. Tell the nearest Air Traffic Control facility about the accidental transmissions as soon as possible to hold search and rescue work to a minimum.

PERFORMANCE

There is no change to the airplane performance when the Artex ME406 ELT is installed.