
OPTIONAL SERVICE BULLETIN NO. DAC1-25-04 REV. 1
SUPERSEDES DAC1-25-04 REV. 0

I TECHNICAL DETAILS

I.1 Category

Optional.

I.2 Airplanes Affected

Type: DA 20-C1

S/N: All equipped with Artex ME406 ELTs (P/N 453-6603)

I.3 Date of Effectivity

13 January 2025

I.4 Time of Compliance

At owner's discretion.

I.5 Subject

Artex ME 406 to Artex ELT 1000 upgrade.

ATA code: 25-60

I.6 Reason

This service bulletin provides instructions for replacing the Artex ME406 ELT in DA 20-C1 aircraft with the Artex ELT 1000.

I.7 Concurrent Documents

None.

I.8 Approval

Engineering data referenced or contained in this service bulletin is approved as part of the type design.

I.9 Accomplishment/Instructions

1. Ensure the ELT switch is in the ARM position.
2. Disconnect the ELT coax and interface module/buzzer cable.
3. Remove the existing ELT and ELT tray.
4. Install the tray for the ELT 1000 (item 2) using items 3 and 4.
5. Install the ELT 1000 (item 1).
6. Connect the ELT coax and interface/buzzer cable.

NOTE: Do not allow the ELT to remain on for longer than necessary for the test.

7. **On the hour, and up to 5 minutes past**, conduct the ELT test as follows:

- A. Tune the aircraft radio to 121.5 MHz.
- B. Push the toggle switch on the ELT toward the spring-loaded TEST position for about 1 second, until the LED blinks one time, then release it.
 - Listen for 2 audio sweeps on the receiver, which takes about 1 second.
 - Ensure the LED on the ELT unit displays one flash.

NOTE: If more than one flash is observed, refer to the Artex Installation Manual Y1-03-0259, latest revision.

8. Clean working areas, check for foreign objects.
9. Check all altered, replaced, repaired parts for proper function.
10. Register the ELT with the appropriate flight authority.
11. Make all necessary entries in the logbooks.
12. Submit the Execution Report through the Diamond Partner Portal at:
<https://partners.diamondaircraft.com/>

I.10 Mass (Weight) and CG

The change in mass and balance is negligible.

II PLANNING INFORMATION

II.1 Material and Availability

Item	Quantity	Part Number	Description
1	1	A3-06-2749-1	Artex ELT 1000
2	1	A3-06-2758-1	ELT mounting tray
3	4	MS27039-08-09	Screw
4	4	NAS1149FN816P	Washer

Diamond Aircraft Industries
OPTIONAL SERVICE BULLETIN
Model DA 20-C1



II.2 Special Tools

None.

II.3 Labour Effort

Approximately 30 minutes will be required to accomplish this service bulletin.

This estimate is for direct labour performed by a technician, and it does not include setup, planning, familiarization, cure time, part fabrication, or tool acquisition.

II.4 Credit

None.

II.5 Reference Documents

DA 20-C1 Aircraft Maintenance Manual (AMM), Document # DA201-C1.

III REMARKS

1. All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
2. All work, particular that, which is not especially described in this service bulletin, must be done in accordance with the referenced maintenance manual.
3. Completion of all work must be recorded in the logbook.
4. In case of doubt, contact Diamond Aircraft Industries.

To obtain satisfactory results, procedures specified in this service bulletin must be accomplished in accordance with accepted methods and current government regulations. Diamond Aircraft cannot be responsible for the quality of work performed in accomplishing the requirements of this service bulletin. Diamond Aircraft reserves the right to void continued warranty coverage in the area affected by this service bulletin if it is not incorporated.

If you no longer own the aircraft to which this service bulletin applies, please forward it to the current owner and send the name of the current owner to Diamond Aircraft at the address below.

Diamond Aircraft Industries Inc.
1560 Crumlin Sideroad, London, Ontario, Canada
N5V 1S2

Customer Support:
Phone: (519) 457-4041, Fax: (519) 457-4045
Portal: partners.diamondaircraft.com



**EXECUTION REPORT TO
SERVICE BULLETIN
DAC1-25-04 REV. 1**

AIRPLANE INFORMATION

Airplane Serial Number _____

Airplane Registration _____

Airplane Operator _____

Hours of Operation of Airplane _____

No. of Landings _____

Hours of Operation of Engine _____

Typical Operation of Airplane _____
(private, club, training, other)

Date, Name, Signature

Please submit the Execution Report through the Diamond Partner Portal at
<https://partners.diamondaircraft.com/>