

AVIONICS DESIGN SERVICES LTD.
ENGINEERING ORDER

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SERVICES LTD.
RELEASED

NUMBER: EO13015-7

MANUFACTURER: Bell Helicopter Textron Canada Ltd.

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ISSUE: 2

MODEL: 206 A, A1, B, B1, L, L1, L3, L4

DATE: March 04, 2026

REGISTRATION: N/A

APPROVED: *Chin Heidel*

SERIAL NUMBER: N/A

INSTALLATION INSTRUCTIONS FOR THE TECHNISONIC DIGITAL AUDIO SPLITTER
(BELL 206)

I. GENERAL INFORMATION

A. DESCRIPTION

The purpose of this Engineering Order is to provide instructions for the installation and activation of a Technisonic DAS-9000 Digital Audio Splitter.

B. APPLICABILITY

Bell 206 rotorcraft with a Technisonic TDFM-9000 Series transceiver installed, with one or more existing TDAP-650 Digital Audio Panel.

C. WEIGHT AND BALANCE

The DAS-9000 weighs 0.85 pounds. Final installed weight including structural provisions and fasteners is determined by installer.

D. ELECTRICAL LOAD DATA

DAS-9000 is connected to the 28VDC Bus bar. Refer to WD13005 (Sheet 2 & 4) for further details.

DAS-9000 consumes total maximum current of 0.3 Amps.

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E. REFERENCES

1. Avionics Design Services Ltd., TIL FM Transceiver Install, Bell 206, WD13005 Rev. I (or later approved revision)
2. Bell Helicopter Textron Canada, Bell 206, Maintenance Manual
3. FAA, Advisory Circular - Acceptable Methods, Techniques, and Practices - Aircraft Inspection and Repair, AC43.13-1B
4. FAA, Advisory Circular - Acceptable Methods, Techniques, and Practices - Aircraft Alterations, AC43.13-2B
5. Technisonic, DAS-9000 Digital Audio Splitter Installation Instructions, 24RE647 Rev. N/C (or later approved revision).
6. Technisonic TDAP-650 Digital Audio Panel Installation Instructions, 17RE583 Rev. N/C (or later approved revision).
7. Technisonic TDFM-9000 Installation Instructions, 11RE442 Rev. E Issue 3 (or later approved revision).
8. Technisonic TDFM-9100 Installation Instructions, 13RE483 Rev. E Issue 2 (or later approved revision).
9. Technisonic TDFM-9200 Installation Instructions, 13RE472 Rev. F Issue 2 (or later approved revision).
10. Technisonic TDFM-9300 Installation Instructions, 13RE471 Rev. F Issue 2 (or later approved revision).

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II. INSTRUCTIONS

Note - For all installations, the practices and procedures provided in the Chapter 20 (Standard Practices) of the Bell Helicopter Textron Bell 206 Maintenance Manual, FAA AC43.13-1b, and AC43.13-2b MUST be followed.

Note - The following procedure is to be accomplished with rotorcraft power off.

1. The DAS-9000 Digital Audio Splitter (P/N: 241309-1) must be installed on either the rotorcraft's secondary or tertiary structure, in a location close to its applicable TDFM-9000 series transceiver. The footprint of the DAS-9000 is provided below in Figure 1 for reference.
2. If a mounting plate/ bracket is used, fabricate using appropriate materials to suit the chosen installation location, in accordance with standard practices. Secure the DAS-9000 to the plate/ bracket using four sets of appropriately-sized standard aviation grade fasteners. The plate/ bracket assembly must then be installed onto the rotorcraft secondary or tertiary structure using standard aviation grade mounting hardware.
3. If no mounting plate/ bracket is used, install the DAS-9000 directly onto the rotorcraft secondary or tertiary structure using four sets of appropriately-sized standard aviation grade fasteners.

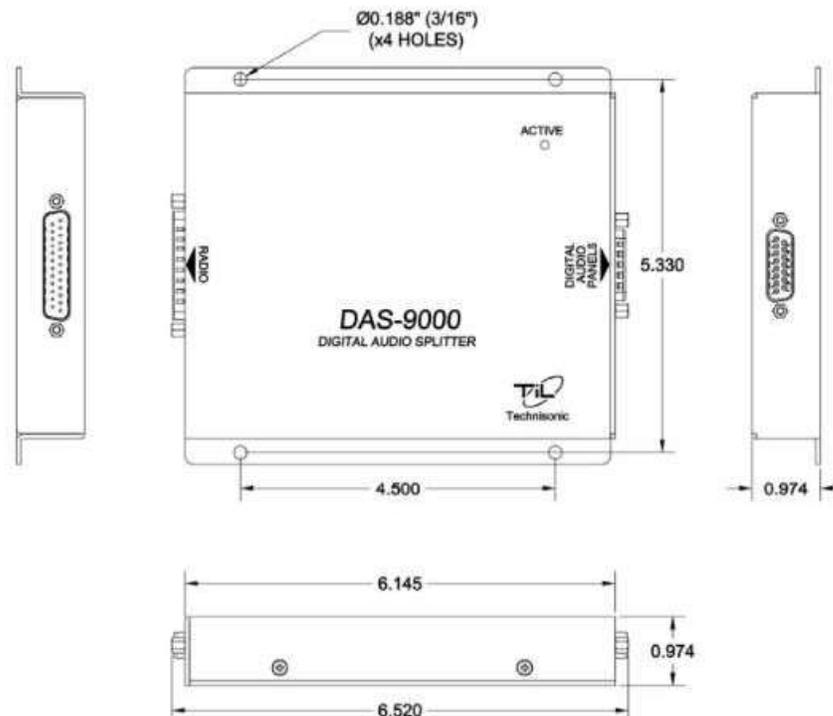


Figure 1 - DAS-9000 Installation Footprint

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4. Refer to WD13005 Sheet 5 & Sheet 6 and perform wire interface connections between DAS-9000 and existing TDFM-9x00 and TDAP-650 as needed.
5. Perform continuity check of the new and existing wiring.
6. Verify all electrical connectors are connected as required, close up all panels that were removed for the installation and prepare rotorcraft for post-installation testing.
7. Perform function test of radio system in accordance with section 2 of applicable TDFM-9x00 installation manual.

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