

ECCN
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Aeronautical

A C C E S S O R I E S™

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Technical Bulletin

TB No. AA-12059

No Revision

SUBJECT: **Aeronautical Accessories Health and Usage Monitoring System (HUMS) Kit**
P/N 429-260-001

MODELS AFFECTED: Bell Helicopter Textron Canada Limited model 429 helicopters with subject HUMS installed in accordance with STC SR09536RC-D.

COMPLIANCE: Compliance with this bulletin is per Customer's option.

DESCRIPTION: This Technical Bulletin is being issued to allow CV/FDR (429-706-058-xxx) kit to be installed on aircraft with the Aeronautical Accessories HUMS kit previously installed.

FAA/DER APPROVAL: The engineering aspects of this Technical Bulletin are FAA/DER approved.

MANPOWER: Approximately 1.0 hours.
(Time estimate for HUMS-CV/FDR interface only)
Manhours are based on hands-on time and may vary with personnel or facilities available.

This data has been approved by
BHTI ODA-710621-SW, IAW the
FAA-approved ODA Procedures Manual


5-11-12
Authorized Signature/Date

IF OWNERSHIP OF AIRCRAFT HAS CHANGED, PLEASE FORWARD THIS BULLETIN TO NEW OWNER

Any questions regarding this bulletin should be addressed to:

AERONAUTICAL ACCESSORIES

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PRODUCT SUPPORT

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1.0 MATERIALS REQUIRED

M81824/1-1 Splice QTY: 4
M83519/2-7 Solder Sleeve QTY: 2

2.0 ACCOMPLISHMENT INSTRUCTIONS:

NOTE

These instructions are provided to accomplish installation of CV/FDR with previously installed HUMS kit. The current HUMS installation is shown in Figure 1.

- 2.1 Ensure power is removed from aircraft.
- 2.2 Locate Right SDM Connector (3960AT2P4) in the Nose Avionics Bay, as shown in Figure 1.
- 2.3 Locate wires HUM113C24 and HUM114C24, as shown in Figure 1.
- 2.4 Depin Connector for Pins shown in Figure 1.
- 2.5 Add Solder Sleeves (M83519/2-7) and Shield Grounds to new CV/FDR wires as shown in Figure 2.

NOTE

Shield Grounds to be less than 6" in length and made from M22759/16-22 or equivalent wire.

- 2.6 Splice wires into CV/FDR wiring with Splices (M81824/1-1), as shown in Figure 2.
- 2.7 Pin CV/FDR wires and Shield Grounds in Connector (3960AT2P4), as shown in Figure 2.
- 2.8 CV/FDR – HUMS Interface Installation Complete.
- 2.9 Complete CV/FDR Installation & Checkout Procedure.

2.10 Perform HUMS, B.1.3 "Bus Data Check" per Appendix B of HUMS ICA, AA-09041.

3.0 **WEIGHT AND BALANCE:**
Not Applicable

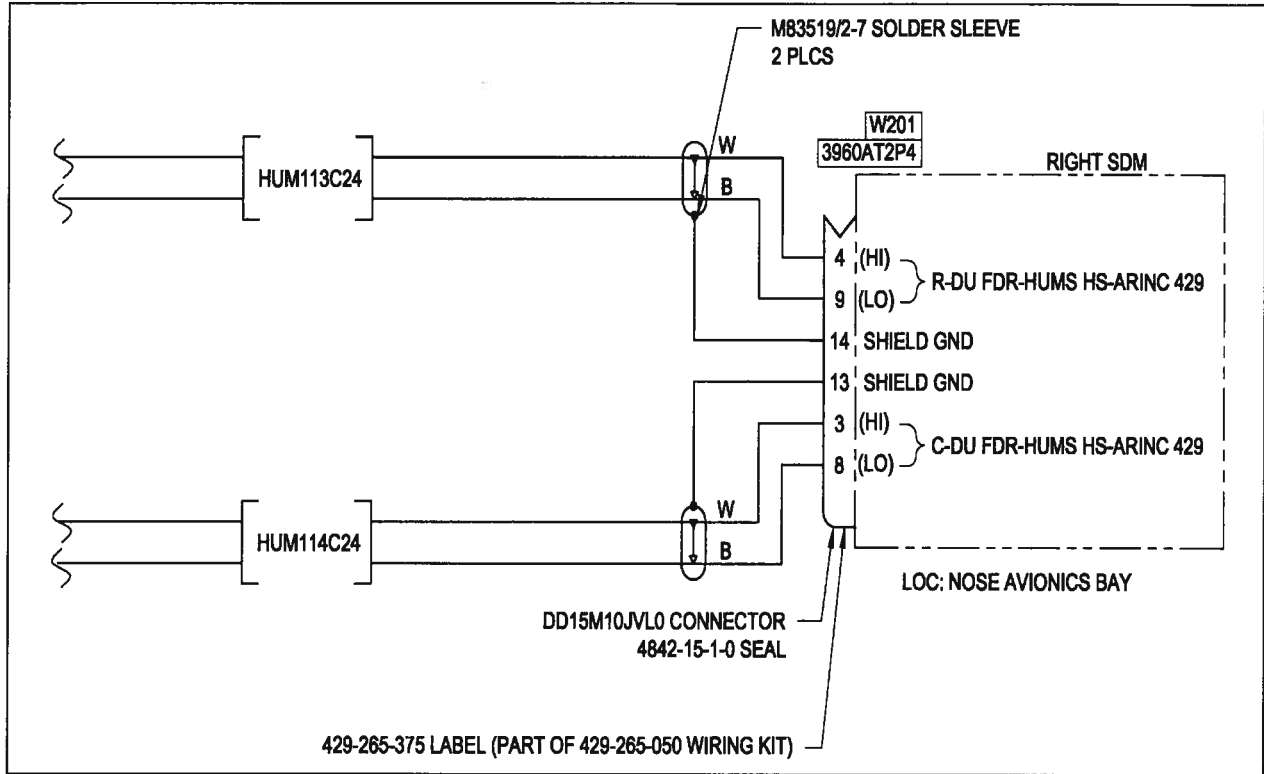


FIGURE 1 – CURRENT HUMS INSTALLATION – RIGHT SDM

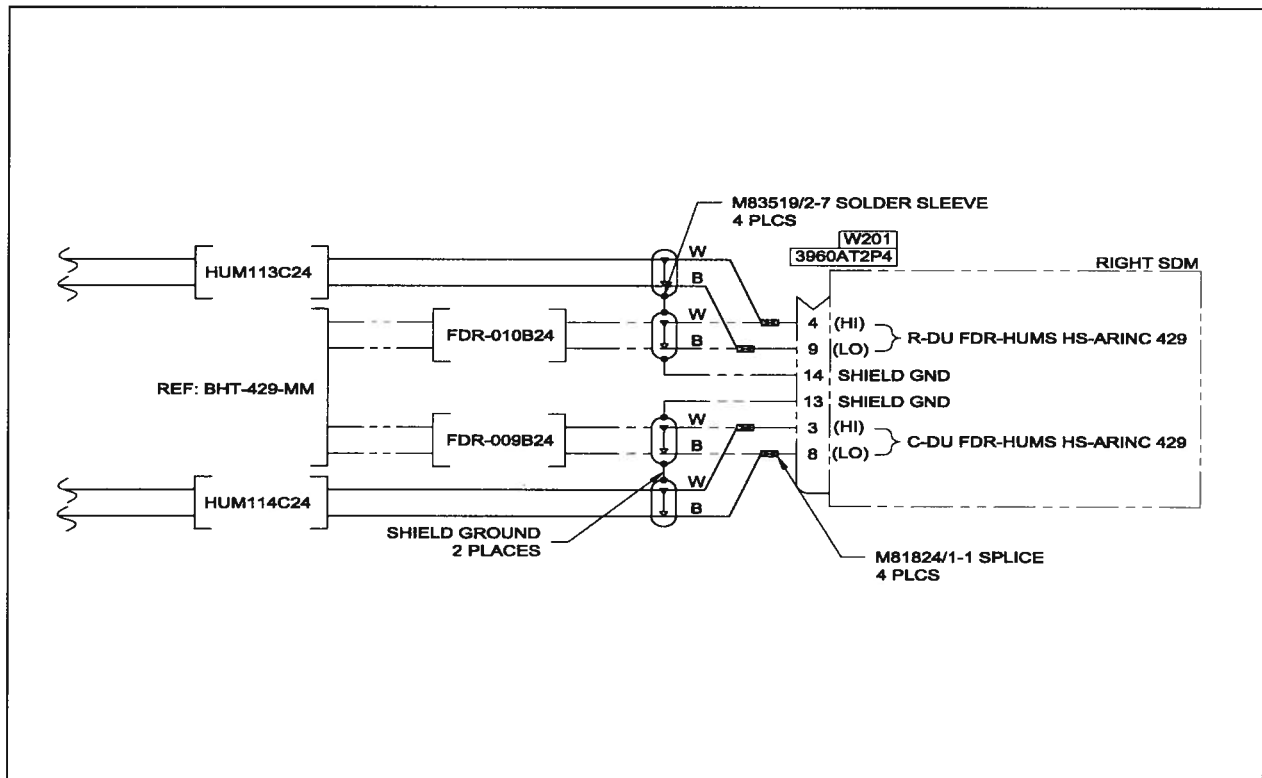


FIGURE 2 – HUMS-CV/FDR INTERFACE – RIGHT SDM