

HUMS FACT SHEET

ATTENTION CUSTOMER BUSINESS MANAGERS,
AUTHORIZED DISTRIBUTORS, & OPERATORS



STC No.: SR09536RC-D	Bell 429
STC Holder: Aeronautical Accessories Inc Bell Helicopter Textron Inc 441 Industrial Park Rd. Piney Flats, TN 37686	
STC Issue Date: 2010 DEC	
STC Reissue Date: 2011 FEB	
Applicable to: B-429	
HUMS Model: 1134 HUMS	
NOTE:	
SUMMARY:	<p>System sold exclusively via Bell's Aeronautical Accessories Inc at 1-800-251-7094 or sales@aero-access.com or www.aero-access.com/catalog</p> <p>Honeywell, in conjunction with Aeronautical Accessories Inc. (AAI) a wholly owned subsidiary of Bell Helicopters, has developed an automated vibration monitoring and fault diagnostic system for the Bell 429 helicopter. The 1134 HUMS Kit provides the Bell Model 429 Helicopter a comprehensive airframe, rotor, engine and drive system vibration monitoring capability, and aircraft data recording supports customer flight data monitoring (FDM) programs. The HUMS Kit is designed to conduct routine vibration management functions, with no changes required in the mandatory maintenance functions of the BHT 429 Maintenance Manual. The system utilizes its vibration monitoring capability to make discretionary rotor and balance adjustments. No pilot interface is required during flight operations. Data downloads are manually commanded by pressing the LED array switch located on the PBA panel in the center pedestal.</p> <ul style="list-style-type: none">• Comprehensive airframe, main and tail rotor, engine, and drivetrain vibration monitoring• Records aircraft data parameters to support Flight Data Monitoring (FDM) programs• Automatic recording based on aircraft flight regime – no pilot intervention required• Single point data download for HUMS and FDM data• Total System Weight approx. 20 lbs• Installation Time approx. 180 hrs• Interfaces to aircraft display system and ADIU



HUMS FACT SHEET

Attention Customer Business Managers, Authorized Distributors, & Operators

STC No.: **SR09536RC-D**

Bell 429

MAJOR COMPONENT PART NUMBERS:

Aeronautical Accessories Inc. Part Number: 429-260-001

Bell Helicopter Part Number: 099-847-121

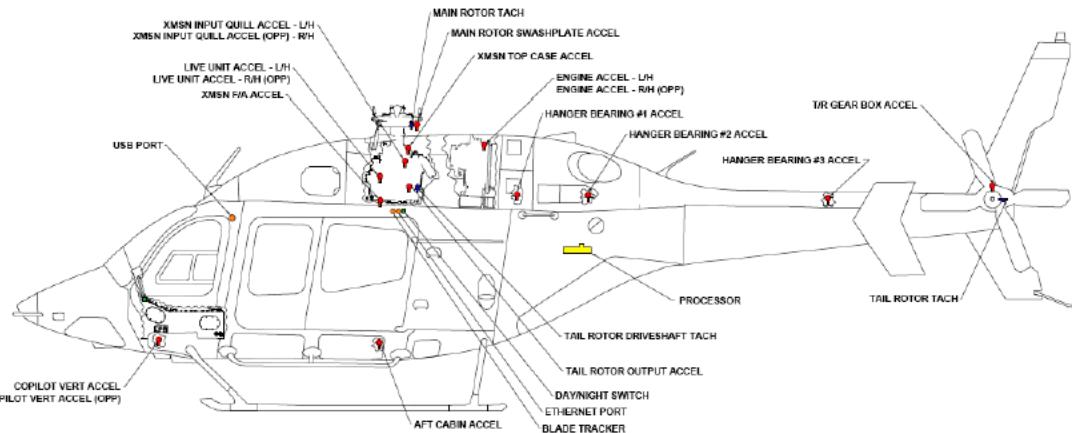
Part Number	Qty	Description
86000172-1	1	Model 1134 Data Acquisition Unit

SENSORS:

17 Vibration Accelerometers and 5 Tachometers as shown below.

Sensors are provided by AAI.

INSTALL LOCATIONS:



OPTIONS:

The Model 1134 can be connected to the Sky Connect Tracker III to provide real-time exceedance alerts.

For technical support and additional information, please contact:

Brian C. Hatcher

Phone: (909) 930-3600 Ext. 222
Cell: +1-949-690-2914
brian.hatcher@dsi-hums.com

Neil Seamon

Phone: (909) 930-3600 Ext. 228
Cell: +1-949-232-3760
neil.seamon@dsi-hums.com

Document Number 26365 REV A