


# HUMS FACT SHEET

ATTENTION CUSTOMER BUSINESS MANAGERS,  
AUTHORIZED DISTRIBUTORS, & OPERATORS

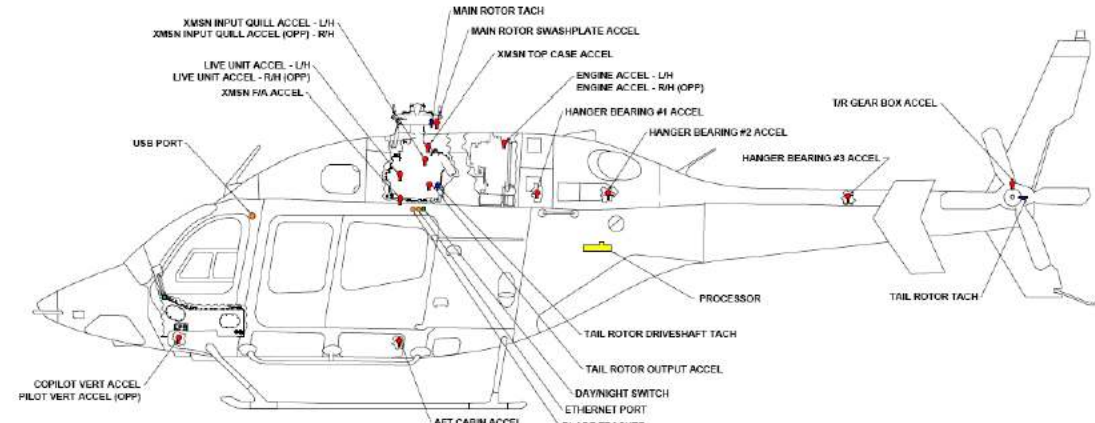


STC No.: <b>SR09536RC-D</b>		<b>Bell 429</b>
STC Holder: Aeronautical Accessories Inc Bell Helicopter Textron Inc 441 Industrial Park Rd. Piney Flats, TN 37686		
STC Issue Date:	2010 DEC	
STC Reissue Date:	2011 FEB	
Applicable to:	B-429	
HUMS Model:	1134 HUMS	
NOTE:		
SUMMARY:		
<p>System sold exclusively via Bell's Aeronautical Accessories Inc at 1-800-251-7094 or <a href="mailto:sales@aero-access.com">sales@aero-access.com</a> or <a href="http://www.aero-access.com/catalog">www.aero-access.com/catalog</a></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"><li>• Comprehensive airframe, main and tail rotor, engine, and drivetrain vibration monitoring</li><li>• Records aircraft data parameters to support Flight Data Monitoring (FDM) programs</li><li>• Automatic recording based on aircraft flight regime – no pilot intervention required</li><li>• Single point data download for HUMS and FDM data</li><li>• Total System Weight approx. 20 lbs</li><li>• Installation Time approx. 180 hrs</li><li>• Interfaces to aircraft display system and ADIU</li></ul>		

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<p><b>MAJOR COMPONENT PART NUMBERS:</b></p> <p>Aeronautical Accessories Inc. Part Number: 429-260-001</p> <p>Bell Helicopter Part Number: 099-847-121</p> <table border="1" data-bbox="194 525 1299 609"><thead><tr><th>Part Number</th><th>Qty</th><th>Description</th></tr></thead><tbody><tr><td>86000172-1</td><td>1</td><td>Model 1134 Data Acquisition Unit</td></tr></tbody></table>		Part Number	Qty	Description	86000172-1	1	Model 1134 Data Acquisition Unit
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86000172-1	1	Model 1134 Data Acquisition Unit					
<p><b>SENSORS:</b></p> <p>17 Vibration Accelerometers and 5 Tachometers as shown below.</p> <p>Sensors are provided by AAI.</p>							
<p><b>INSTALL LOCATIONS:</b></p>  <p>The diagram shows a side profile of a Bell 429 helicopter with various sensor and tachometer locations marked with red dots and labeled. Labels include: XMSN INPUT GULL ACCEL - LH, XMSN INPUT GULL ACCEL (OPP) - RH, LIVE UNIT ACCEL - LH, LIVE UNIT ACCEL - RH (OPP), XMSN F/A ACCEL, USB PORT, COPILOT VERT ACCEL, PILOT VERT ACCEL (OPP), AFT CABIN ACCEL, MAIN ROTOR TACH, MAIN ROTOR SWASHPLATE ACCEL, XMSN TOP CASE ACCEL, ENGINE ACCEL - LH, ENGINE ACCEL - RH (OPP), HANGER BEARING #1 ACCEL, HANGER BEARING #2 ACCEL, HANGER BEARING #3 ACCEL, TR GEAR BOX ACCEL, PROCESSOR, TAIL ROTOR DRIVESHAFT TACH, TAIL ROTOR OUTPUT ACCEL, DAY/NIGHT SWITCH, ETHERNET PORT, and BLADE TRACKER.</p>							
<p><b>OPTIONS:</b></p> <p>The Model 1134 can be connected to the Sky Connect Tracker III to provide real-time exceedance alerts.</p>							

For technical support and additional information, please contact:

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