


HUMS FACT SHEET

ATTENTION CUSTOMER BUSINESS MANAGERS,
 AUTHORIZED DISTRIBUTORS, & OPERATORS



STC No.: SR01957NY-D		Bell 430
STC Holder: Honeywell International Inc 23500 W. 105th Street Olathe, KS 66061		
STC Issue Date:	2005 APR	
STC Reissue Date:	2013 APR	
Applicable to:	430	
HUMS Model:	VXP HUMS	
NOTE:		
<p>SUMMARY:</p> <p>Honeywell has developed an automated vibration monitoring system for the Bell 430 helicopter. The VXP Kit provides the Bell 430 Helicopter a comprehensive rotor, engine and drive train system vibration monitoring capability.</p> <p>The system utilizes its vibration monitoring capability to make discretionary rotor and balance adjustments. No pilot interface is required during flight operations. The Rotor Track & Balance (RT&B) solution generated on-board and downloaded to the PC ground station for display to the maintenance personnel.</p> <p>The on-board system automatically acquires and processes sensor data, continuously monitors real-time condition and health indices, records aircraft intelligent information and saves data for post-flight analysis in the ground station. The systems provides:</p> <ul style="list-style-type: none"> • Rotor Track & Balance solution • Engine and drive train vibration monitoring • Real time, continuous monitoring of engine and dynamic component health and usage without human intervention • Operational usage accumulation and recording • Integrated and automated aircraft maintenance functions to eliminate the need for ground support equipment <p>Software provided with the ground station assists maintenance personnel to perform aircraft maintenance and troubleshooting. For QA personnel, the software allows the review of the aircraft condition and health status, perform analysis, trending, and analysis to generate maintenance action (work order).</p> <p>Operators are utilizing the information from the VXP to enhance safety, reduce maintenance costs, and increase aircraft availability.</p>		

HUMS FACT SHEET

Attention Customer Business Managers, Authorized Distributors, & Operators



STC No.: SR01957NY-D	Bell 430															
<p>MAJOR COMPONENT PART NUMBERS:</p> <table border="1"> <thead> <tr> <th>Part Number</th> <th>Qty</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>915-17154</td> <td>1</td> <td>B430 Installation Kit</td> </tr> <tr> <td>901-11800-3</td> <td>1</td> <td>Optical Tracker</td> </tr> <tr> <td>906-16610</td> <td>1</td> <td>Tracker Bracket</td> </tr> <tr> <td>901-17330</td> <td>1</td> <td>VXP Display Unit</td> </tr> </tbody> </table>		Part Number	Qty	Description	915-17154	1	B430 Installation Kit	901-11800-3	1	Optical Tracker	906-16610	1	Tracker Bracket	901-17330	1	VXP Display Unit
Part Number	Qty	Description														
915-17154	1	B430 Installation Kit														
901-11800-3	1	Optical Tracker														
906-16610	1	Tracker Bracket														
901-17330	1	VXP Display Unit														
<p>SENSORS: 20 Vibration accelerometers and 4 Tachometers/Photocells as shown below.</p>																
<p>INSTALL LOCATIONS:</p>																
<p>OPTIONS:</p>																

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 26352 REV A