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 dsi-hums.com

HUMS FACT SHEET

*ATTENTION CUSTOMER BUSINESS MANAGERS,
 AUTHORIZED DISTRIBUTORS, AND OPERATORS*

STC No.: SR02120NY-D		Agusta Bell AB139	
STC Holder: Honeywell International Inc 23500 W. 105 th Street Olathe, KS 66061			
STC Issue Date:	Sept 2006		
STC Reissue Date:	Jun 2009		
Applicable to:	AB139		
HUMS Model:	Model VXP		
NOTE:			
SUMMARY:			
<p>Honeywell has developed an automated vibration monitoring system for the Agusta Bell AB139 helicopter. The VXP Kit provides the AB139 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.</p> <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>			
MAJOR COMPONENT PART NUMBERS:			
<u>Part Number</u>	<u>Qty</u>	<u>Description</u>	
915-17533	1	AB139 VXP Installation Kit	
901-17546	1	Cockpit Control Unit	
906-17784	1	Remote DU, Center Console Panel	
901-11800-3	1	Optical Blade Tracker	
906-17790	1	Tracker Bracket	
901-17330	1	VXP Display Unit	



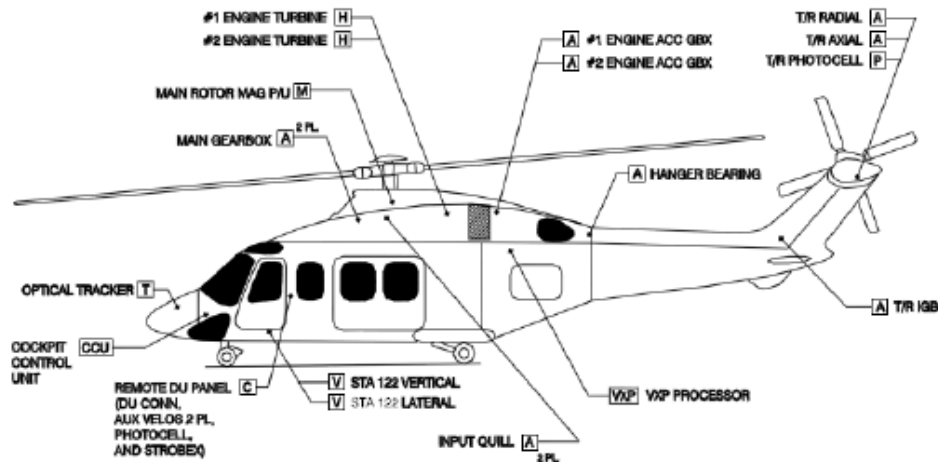
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SENSORS:

15 Vibration sensors and 2 tachometer/photocell inputs

Tail rotor radial	Hanger bearing	MGB quill
Tail rotor axial	Cabin lateral	Eng #1 ACC GB
Tail rotor IGB	Cabin vertical	Eng #2 ACC GB
MGB input #1	Engine #1 turbine	Tail rotor tachometer
MGB input #2	Engine #2 turbine	Main rotor tachometer

INSTALL LOCATIONS:



OPTIONS:

For technical support and additional information, please contact:

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