


# HUMS FACT SHEET

ATTENTION CUSTOMER BUSINESS MANAGERS,  
 AUTHORIZED DISTRIBUTORS, & OPERATORS



STC No.: <b>SR02430NY-D</b>		<b>Sikorsky S-76C</b>
STC Holder: Sikorsky Global Helicopters, Inc. 110 E Stewart Huston Drive Coatesville, PA 19320		
STC Issue Date:	2007 AUG	
STC Reissue Date:	2011 OCT	
Applicable to:	S-76C	
HUMS Model:	EVXP HUMS	
<p><b>NOTE:</b>          Data contained within this Factsheet is applicable to S-76C models SN 760511 and subsequent</p>		
<p><b>SUMMARY:</b>          This STC allows for the replacement of the Honeywell VXP installed under STC SR01135NY-D with Honeywell's Enhanced VXP (EVXP). The EVXP provides the S-76C helicopter a comprehensive rotor, engine and drivetrain system vibration monitoring capability.</p> <p>Functions include:</p> <ul style="list-style-type: none"> <li>• Main and Tail Rotor Track &amp; Balance solution</li> <li>• Data Management</li> <li>• Real time, continuous monitoring of engine and dynamic component health and usage without human intervention</li> <li>• Operational usage accumulation and Helicopter Operational Monitoring Program (HOMP) parameters recording</li> <li>• Operational usage recorded for: engine and air data parameter recording, engine cycle counters, engine start/stops, engine time, takeoff and landings, and rotor on time</li> <li>• Integrated and automated aircraft maintenance functions to eliminate the need for ground support equipment</li> </ul> <p>The EVXP allows for the collection of parameters from the aircraft's ARINC 429 data bus. The EVXP also interfaces to the automatic flight control system, air data and attitude systems, instrument display system, and the digital engine controls.</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>		

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<b>MAJOR COMPONENT PART NUMBERS:</b>																			
<table border="1"> <thead> <tr> <th>Part Number</th> <th>Qty</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>915-17575</td> <td>1</td> <td>S-76C EVXP Wiring Kit</td> </tr> <tr> <td>915-17942</td> <td>1</td> <td>VXP to EVXP Conversion Kit (S76C post SN 511)</td> </tr> <tr> <td>901-17700</td> <td>1</td> <td>EVXP Data Acquisition Unit</td> </tr> <tr> <td>915-18202</td> <td>1</td> <td>Ground Kit</td> </tr> <tr> <td>901-11800-3</td> <td>1</td> <td>FasTrak Optical Tracker</td> </tr> </tbody> </table>	Part Number	Qty	Description	915-17575	1	S-76C EVXP Wiring Kit	915-17942	1	VXP to EVXP Conversion Kit (S76C post SN 511)	901-17700	1	EVXP Data Acquisition Unit	915-18202	1	Ground Kit	901-11800-3	1	FasTrak Optical Tracker	
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<b>SENSORS:</b>																			
17 Vibration Accelerometers and 2 Tachometers/Photocells as shown below																			
<b>INSTALL LOCATIONS:</b>																			
<b>OPTIONS:</b>																			

For technical support and additional information, please contact:

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