


# HUMS FACT SHEET

ATTENTION CUSTOMER BUSINESS MANAGERS,  
 AUTHORIZED DISTRIBUTORS, & OPERATORS



STC No.: <b>SR01135NY-D</b>		<b>Sikorsky S-76C</b>																					
STC Holder: Sikorsky Global Helicopters, Inc. 110 E Stewart Huston Drive Coatesville, PA 19320																							
STC Issue Date:	2003 JAN																						
STC Reissue Date:	2011 OCT																						
Applicable to:	S-76C																						
HUMS Model:	VXP HUMS																						
<p><b>NOTE:</b></p> <p>Data contained within this Factsheet is applicable to S-76C models SN 760511 and subsequent</p>																							
<p><b>SUMMARY:</b></p> <p>Provides VXP On-Board solution with Rotor Track and Balance (RT&amp;B), and engine and drive train vibration monitoring. 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"> <li>• Rotor Track &amp; Balance solution</li> <li>• Engine and drive train vibration monitoring</li> <li>• Real time, continuous monitoring of engine and dynamic component health and usage without human intervention</li> <li>• Operational usage accumulation and recording</li> <li>• Integrated and automated aircraft maintenance functions to eliminate the need for ground support equipment</li> </ul> <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><b>MAJOR COMPONENT PART NUMBERS:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Part Number</th> <th style="text-align: left;">Qty</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td>901-15175</td> <td>1</td> <td>Data Acquisition Unit</td> </tr> <tr> <td>915-16577</td> <td>1</td> <td>Engine / Gearbox Wiring Kit</td> </tr> <tr> <td>915-16575</td> <td>1</td> <td>Cabin Wiring Kit</td> </tr> <tr> <td>915-16576</td> <td>1</td> <td>Tail Wiring Kit</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	901-15175	1	Data Acquisition Unit	915-16577	1	Engine / Gearbox Wiring Kit	915-16575	1	Cabin Wiring Kit	915-16576	1	Tail Wiring Kit	915-18202	1	Ground Kit	901-11800-3	1	FasTrak Optical Tracker
Part Number	Qty	Description																					
901-15175	1	Data Acquisition Unit																					
915-16577	1	Engine / Gearbox Wiring Kit																					
915-16575	1	Cabin Wiring Kit																					
915-16576	1	Tail Wiring Kit																					
915-18202	1	Ground Kit																					
901-11800-3	1	FasTrak Optical Tracker																					

# HUMS FACT SHEET

Attention Customer Business Managers, Authorized Distributors, & Operators



STC No.: <b>SR01135NY-D</b>	<b>Sikorsky S-76C</b>
<p><b>SENSORS:</b> 17 Vibration Accelerometers and 2 Tachometers/Photocells as shown below</p>	
<p><b>INSTALL LOCATIONS:</b></p> <div data-bbox="906 1094 1393 1367" style="border: 1px solid black; padding: 5px;"> <p><b>LEGEND:</b></p> <p><b>V</b> VELOCIMETER - 8866-1</p> <p><b>H</b> HIGH TEMPERATURE ACCELEROMETER - 11134</p> <p><b>A</b> ACCELEROMETER - 16757</p> <p><b>M</b> MAGNETIC PICKUP - 5876</p> <p><b>T</b> OPTICAL TRACKER - 11800-3</p> <p><b>C</b> CONNECTOR</p> <p><b>VXP</b> VXP PROCESSOR - 15175</p> </div>	
<p><b>OPTIONS:</b></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](mailto:brian.hatcher@dsi-hums.com)

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

Document Number 26347 REV A