

HUMS FACT SHEET

ATTENTION CUSTOMER BUSINESS MANAGERS,
AUTHORIZED DISTRIBUTORS, & OPERATORS



STC No.: SR02602NY-D		Sikorsky S-76C	
STC Holder: Sikorsky Global Helicopters, Inc. 110 E Stewart Huston Drive Coatesville, PA 19320			
STC Issue Date: 2010 JULY			
STC Reissue Date: 2011 OCT			
Applicable to: S-76C			
HUMS Model: Model 1239 HUMS			
NOTE: Data contained within this Factsheet is applicable to S-76C models SN 760511 and subsequent			
SUMMARY: <p>This STC provides for the installation of a Model 1239 HUMS system on the S-76C. This can be done as a new installation or as an upgrade from an existing Honeywell EVXP HUMS installation. In either case, the locations of the sensors and data acquisition unit are the same. In addition, two methods are available for getting the off the aircraft – one using a Quick Access Recorder (QAR), the other using a USB memory device.</p> <p>For the upgrade, the modification provides a mounting tray and adaptor harness so as to allow use of the existing wiring. The upgrade also installs two additional components – a Cockpit Interface Panel and an additional swashplate sensor.</p> <p>The Model 1239 provides the S-76C helicopter a comprehensive rotor, engine and drive train system vibration monitoring capability.</p> <p>Functions include:</p> <ul style="list-style-type: none">• Main and Tail Rotor Track & Balance solution• Data Management• Real time, continuous monitoring of engine and dynamic component health and usage without human intervention• Operational usage accumulation and Helicopter Operational Monitoring Program (HOMP) parameters recording• 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• Integrated and automated aircraft maintenance functions to eliminate the need for ground support equipment <p>The Model 1239 allows for the collection of parameters from the aircraft's ARINC 429 data bus including the automatic flight control system, air data and attitude systems, instrument display system, and the digital engine controls.</p>			



HUMS FACT SHEET

Attention Customer Business Managers, Authorized Distributors, & Operators

STC No.: **SR02602NY-D**

Sikorsky S-76C

MAJOR COMPONENT PART NUMBERS:

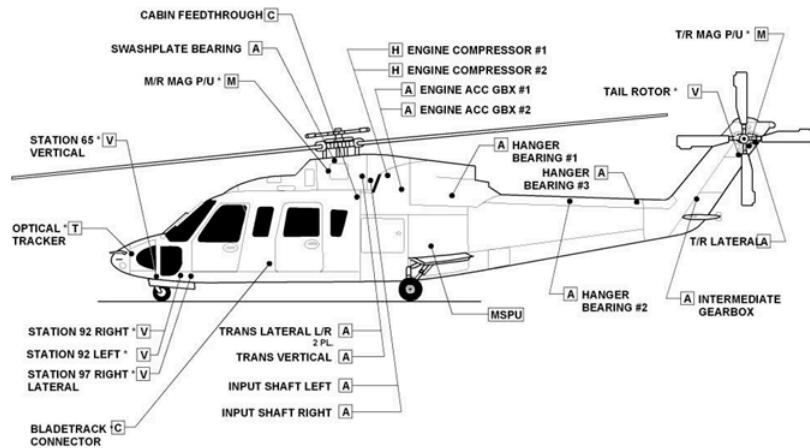
Four different kits are available depending on if you are upgrading from a previously EVXP installation or performing a new installation, and whether using a QAR or USB device.

Part Number	Qty	Description
1239-6000-FA-01	1	New installation kit with QAR
1239-6000-FA-02	1	New installation kit with USB
1239-6000-FA-03	1	Upgrade installation kit from EVXP with QAR
1239-6000-FA-04	1	Upgrade installation kit from EVXP with USB
1239-6050-FA	1	Model 1239 Data Acquisition Unit
1239-6060-SA	1	Cockpit Interface Panel
1239-6070-FA	1	Quick Access Recorder
1239-6042-SA	1	Accelerometer
1239-6003-FA	1	S-76 Ground Kit

SENSORS:

17 Vibration Accelerometers and 2 Tachometers/Photocells as shown below

INSTALL LOCATIONS:



OPTIONS:

The Model 1239 can be connected to the Sky Connect Tracker III to provide real-time exceedance alerts.

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 26359 REV A