HUMS FACT SHEET

ATTENTION CUSTOMER BUSINESS MANAGERS, AUTHORIZED DISTRIBUTORS, & OPERATORS



STC No.: SR01401NY		Sikorsky S-61
STC Holder: Canadian Helicopters Limited 4391 Agar Drive Vancouver International Airport Richmond, BC V7B 1A5, Canada		
STC Issue Date:	2001 OCT	EC-FZJ
STC Reissue Date:		6
Applicable to:	S-61N / L	
HUMS Model:	VXP HUMS	

SUMMARY:

NOTE:

The VXP Kit is designed to conduct routine vibration management functions, with no changes required in the mandatory maintenance functions of the maintenance manual. 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.

The on-board system automatically acquires and processes sensor data, continuously monitors realtime condition and health indices, records aircraft intelligent information and saves data for post-flight analysis in the ground station.

The systems provides:

- 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

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).

Operators are utilizing the information from the VXP to enhance safety, reduce maintenance costs, and increase aircraft availability.

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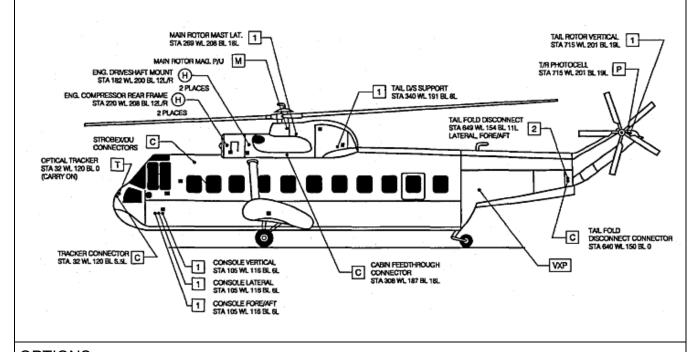
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STC No.: SR01401NY			Sikorsky S-61	
MAJOR COMPONENT PART NUMBERS:				
Part Number	er C	ty Description	Description	
901-15175	1	Data Acquis	Data Acquisition Unit	
915-15702	1	Cabin / Tail	Cabin / Tail Wiring Kit	
915-18202	1	Ground Kit	Ground Kit	
901-11800-3	3 1	FasTrak Op	FasTrak Optical Tracker	
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SENSORS:

12 Vibration Accelerometers and 2 Tachometers/Photocells as shown below

INSTALL LOCATIONS:



OPTIONS:

For technical support and additional information, please contact:

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