


# HUMS FACT SHEET

ATTENTION CUSTOMER BUSINESS MANAGERS,  
AUTHORIZED DISTRIBUTORS, & OPERATORS



STC No.: <b>SR03260NY-D</b>		<b>Agusta Westland AW139</b> 																														
STC Holder: Diagnostic Solutions International, LLC (DSI) 2580 East Philadelphia Street, Unit C, Ontario, CA 91761																																
STC Issue Date:	March 2013																															
STC Reissue Date:																																
Applicable to:	AW139																															
HUMS Model:	Model 1134																															
NOTE: Air Concepts International Transfer to DSI 10.2017																																
<b>SUMMARY:</b> <p>Honeywell, in conjunction with Air Concepts International (ACI), has developed an automated vibration monitoring and fault diagnostic system for the Agusta Westland AW139 helicopter. This system will monitor the health of the equipment during routine operation and initiate work instructions to correct any warnings or faults detected. In addition to Rotor Track and Balance (RT&amp;B), the system monitors the status and health of the drive train while also recording any engine related exceedances that may occur during operation.</p> <p>Kits are available for new installations as well as upgrades for those aircraft using Honeywell's VXP system. Options provided for data download via a cockpit interface panel using a USB memory device or a Quick Access Recorder (QAR).</p>																																
<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>915-18767</td><td>1</td><td>Airbus AS350/H125 helicopters Installation Kit</td></tr><tr><td colspan="3">AW139 Aircraft Adapter Kit - four kits available</td></tr><tr><td colspan="3">• HPN: 1134-3200-FA-xx</td></tr><tr><td>01</td><td></td><td>New installation with QAR</td></tr><tr><td>02</td><td></td><td>New installation with USB port</td></tr><tr><td>03</td><td></td><td>Upgrade from VXP with QAR</td></tr><tr><td>04</td><td></td><td>Upgrade from VXP with USB port</td></tr><tr><td colspan="3">AW139 Ground Accessor Kit</td></tr><tr><td colspan="3">• HPN: 1134-3203-FA (includes Optical Blade Tracker)</td></tr></tbody></table>			Part Number	Qty	Description	915-18767	1	Airbus AS350/H125 helicopters Installation Kit	AW139 Aircraft Adapter Kit - four kits available			• HPN: 1134-3200-FA-xx			01		New installation with QAR	02		New installation with USB port	03		Upgrade from VXP with QAR	04		Upgrade from VXP with USB port	AW139 Ground Accessor Kit			• HPN: 1134-3203-FA (includes Optical Blade Tracker)		
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## SENSORS:

Tail rotor radial

Tail rotor axial

Tail rotor IGB

TGB case

MGB input module #1

MGB input module #2

MGB input shaft #1

MGB input shaft #2

Hanger bearing #1

Cabin lateral

Cabin vertical

Engine #1 turbine

Engine #2 turbine

Eng AGB #1

Eng AGB #2

MGB lateral

MGB tail D/S quill

MGB top case aft left

MGB top case fwd left

MGB top case fwd right

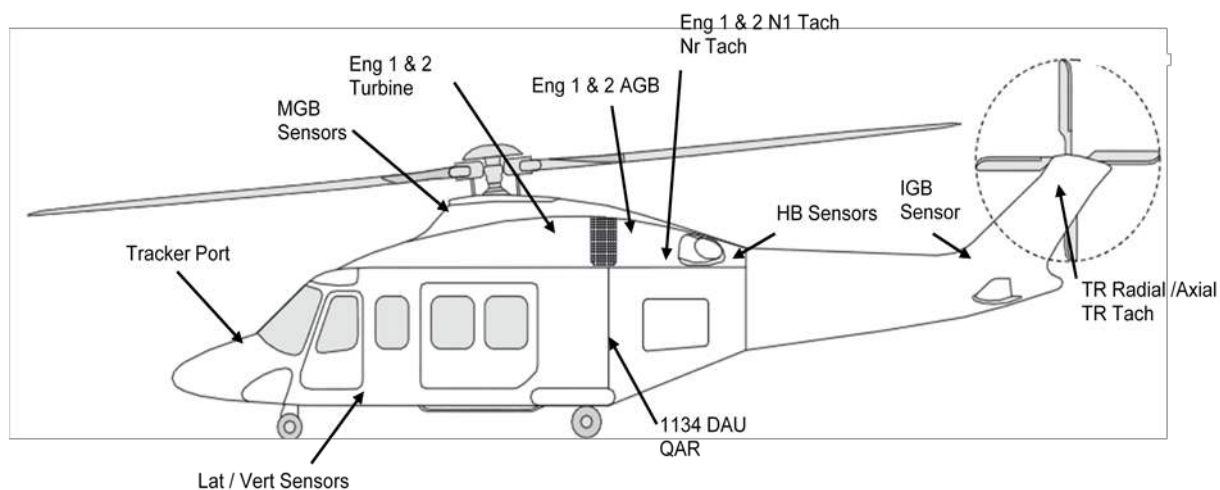
MGB tail D/S tachometer

MGB tachometer

Tail rotor tachometer

Main rotor tachometer

## INSTALL LOCATIONS:



## OPTIONS:

The Model 1134 can be connected to the Sky Connect Tracker III to provide real-time exceedance alerts.

For technical support and additional information, please contact:

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