Bell 212
VFR / IFR Glass Cockpit Upgrade

The StandardAero glass cockpit upgrade for the Bell 212 addresses obsolescence challenges with a complete economical solution that brings together proven, high-quality flight displays from Universal Avionics, dual touchscreen navigators and a mandate-compliant ADS-B transponder from Garmin and a lightweight Attitude Heading Reference System (AHRS) replacement from Rockwell Collins.

FAA STC: SR02512AK

StandardAero’s certified Bell 212 glass cockpit upgrade provides civilian and military operators with enhanced safety through improved situational awareness and reduced pilot workload, while effectively managing aircraft obsolescence for operators desiring to extend and maximize the lifetime of their aircraft. The VFR / IFR capable solution introduces modernized technology into the cockpit that can interface with additional enhancements, including Night Vision Imaging Systems (NVIS), Enhanced Ground Proximity Warning Systems (EGPW), Traffic Collision and Avoidance Systems (TCAS), electro-optical and infrared imaging systems, moving maps, broadcast weather and analog video, among others, and is also compatible with both Honeywell and Bell autopilot systems.

<table>
<thead>
<tr>
<th>Type Certificate Number</th>
<th>Make</th>
<th>Model</th>
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<tbody>
<tr>
<td>H4SW</td>
<td>Bell Helicopter Textron Inc.</td>
<td>212</td>
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</table>

Benefits
• Modern, economic upgrade that addresses aircraft obsolescence to extend the usefulness of this proven machine
• Improved safety through a reduction in crew workload and subsequent pilot fatigue
• Lightweight solution reduces the LRU count with reliable, advanced technologies
• Improved supportability of modern technologies results in better operating costs for operators
Features
• Only FAA certified solution for IFR and VFR operations
• Compatible with both Honeywell and Bell autopilot systems
• ADS-B Out compliant, with ADS-B In option available
• NVIS compatible
• Field retrofittable
• Compatible with EO/IR imaging systems
• Primary Flight Display with 360 degree map view and radar
• Primary Flight Display with 120 degree map view and radar
• Nav Display with broadcast weather
• Nav Display with Vision-1® exocentric view
• Centralized touchscreen navigation

Kit Contents
• Dual Universal Avionics EFI-890H Primary Flight Displays
• Dual Garmin GTN 750 NAV/COM/GPS/HTAWS, plus GTX-345R ADS-B Transponder
• Dual Rockwell Collins AHC-1000 AHRS
• Dual Thommen AC32 Digital Air Data Computers
• L3 GH-3900.2 Electronic Standby Instrument System
• Honeywell RDR-2100 Digital Weather Radar System
• Bendix King KDM 706A Distance Measuring Equipment
• PS Engineering MB10R Marker Beacon Receiver
• Document package containing FMS, ICA, electrical and mechanical install drawings and other peripheral modifications

Product Certifications
• Universal EFI-890H: FAA TSO C113
• Garmin GTN 750: FAA TSO C34e, C36e, C40c, C74d, C110a, C112c, C113, C118, C128a, C139, C146c, C147, C151b, C165, C169a
• Garmin GTX-345R: FAA TSO C88b, C112e, C145d, C154c, C157a, C157b, C166b, C195a, C195b
• Rockwell Collins AHC-1000: FAA TSO C4c, C6d
• Thommen AC32: FAA TSO C10b, C88a, C106
• L3 GH-3900.2: FAA TSO C2d, C3e, C4c, C6e, C8e, C10b, C34e, C35d, C36e, C40c, C46a, C66c, C95a, C106, C113, C115b, C146c
• Honeywell RDR-2100: FAA TSO C63c
• Bendix King KDM 706A: FAA TSO C66b
• PS Engineering MB10R: FAA TSO C35d

Technical Information

<table>
<thead>
<tr>
<th>Component</th>
<th>Size/Dimensions</th>
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<tbody>
<tr>
<td>PFD Unit Size (HxW)</td>
<td>7.42 in. x 7.84 in. x 9.79 in.</td>
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<tr>
<td>PFD Display Size (HxW)</td>
<td>6.3 in. x 6.3 in. (8.9 in. diagonal)</td>
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<tr>
<td>PFD Resolution</td>
<td>780 x 780, 124.5 CGPI</td>
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<tr>
<td>NAV Unit Size (WxHxD)</td>
<td>6.25 in. x 6 in. x 11.25 in.</td>
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<tr>
<td>NAV Display Size (WxD)</td>
<td>4.46 in. x 5.27 in. (6.9 in. diagonal)</td>
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<tr>
<td>NAV Resolution</td>
<td>600 x 708</td>
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<tr>
<td>ADS-B Unit Size (WxHxD)</td>
<td>6.3 in. x 1.7 in. x 9.9 in.</td>
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<tr>
<td>DADC Unit Size (WxHxD)</td>
<td>3.26 in. x 3.165 in. x 9.3 in.</td>
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<tr>
<td>ESIS Unit Size (WxHxD)</td>
<td>3.28 in. x 3.28 in. x 9.63 in.</td>
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<tr>
<td>ESIS Display Size (WxH)</td>
<td>3.19 in. x 3.19 in.</td>
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<tr>
<td>RDR Unit Size (WxHxD)</td>
<td>6.4 in. x 4.5 in. x 13.57 in.</td>
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<tr>
<td>DME Unit Size (WxHxD)</td>
<td>3 in. x 5.25 in. x 12.8 in.</td>
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<tr>
<td>Marker Receiver Unit Size (WxHxD)</td>
<td>2.8 in. x 0.95 in. x 4.85 in.</td>
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Pricing
StandardAero will be pleased to offer pricing upon request.