

EFI-890R Flight Deck Modernization

DHC-8 100/200/300

Aircraft Applicability

- DHC-8-100
- DHC-8-200
- DHC-8-300

Benefits

Operational

- Improved situational awareness
- Provides clear, advanced navigation information while reducing pilot workload
- Additional approach and navigation capability
- Provides greater commonality with new generation aircraft
- Increased dispatch reliability

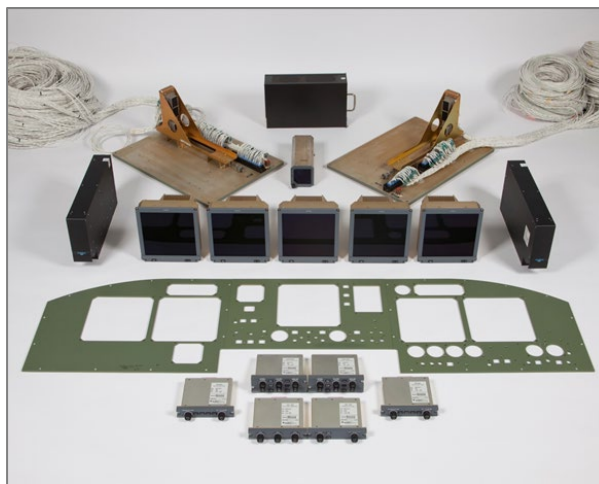
Economic

- Highly reliable solid state equipment
- Fewer LRUs with higher MTBUR = reduction in maintenance cost
- Common fleet part numbers, resulting in decreased spares requirements
- Increased aircraft residual value
- Software-based growth/upgrade path

Typical Lead Time

- 12-16 weeks ARO
- 4 weeks for aircraft downtime to install

The Field Aerospace EFI-890R Flight Deck Modernization is a state of the art upgrade of the existing legacy mechanical (EFIS/analogue) cockpit instruments with five identical Universal Avionics EFI-890R high definition LCD flat panel displays. Four of the displays present the pilots with navigation information and the fifth (center display) presents engine information. The system provides full redundancy by allowing information to be switched between the five displays.



Prefabricated integration kits, with step-by-step instructions, can be installed during scheduled maintenance at a location of convenience.

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Modification Content

Basic Modernization Kit includes:

- Universal Avionics EFI-890R LRUs
- AMETEK Engine Interface Unit
- L-3 Advanced Standby Instrument
- Prefabricated wiring kit
- Prefabricated instrument panels and avionics shelf
- Step by step integration instructions with remote / onsite support
- Pilot / technician differences training
- STC certification package

The Flight Deck upgrade was specifically designed for the retrofit market. Over thirty (30) existing mechanical instruments and indicators from the instrument panel alone are replaced with five LCD displays plus one advanced stand-by indicator in the basic upgrade kit.

The system also provides a modular upgrade path for additional optional peripheral systems such as:

Vision-1® + Synthetic Vision Systems



SBAS FMS with LPV Capability



Complementary Modifications

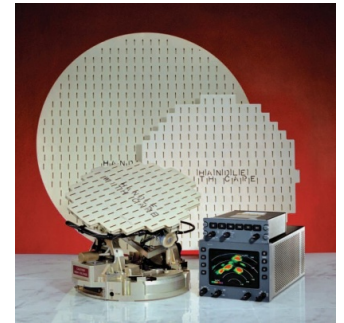
Field Aerospace has existing design solutions for the following complementary modifications in the DHC-8:

- Single / Dual Universal Avionics Vision-1®
- Single / Dual Universal Avionics UNS-1(X)w SBAS Flight Management System (FMS)
- Universal Avionics Radio Control Units
- Honeywell Primus 660/880 Weather Radar

Radio Control Unit



Weather Radar Replacement



Delivery

Typical lead time for kit is 12-16 weeks ARO. Approximate aircraft downtime for installation is 4 weeks.

Certification Basis

- TC STC #SA11-27
- FAA STC #ST03325NY
- EASA STC #10039339

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● Innovation In Engineering & Integration