



FIELD AVIATION COMPANY inc.

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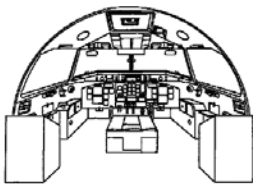
Supplemental Type Certificates (STCs) - Avionics

This catalogue provides a sample of some of the modifications and/or products for which Field Aviation Company inc. has obtained Transport Canada and FAA certification. Field Aviation has also developed and obtained TC/FAA/JAA certification for other specific modifications but they are not included in this catalogue. If you find that any of the products listed do not fit your specific requirements or are needed for a different aircraft type, please contact us to see what we can do to meet your needs. Field Aviation would also be interested in developing and certifying other modifications or products to fit your requirements. Our in house Transport Canada Design Approval Organization (DAO) helps reduce many of the delays found in certification programs.

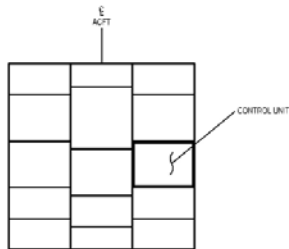
STC to Install the Allied Signal KHF-950 HF System

Applicability

deHavilland DHC-8-100



KCU 951 CONTROL UNIT INSTALLATION
LOOKING FORWARD ON FLIGHT DECK



LOOKING DOWN ON FLIGHT DECK
FWD CENTRE CONSOLE



KTR 953 RECEIVER / EXCITER INSTALLATION
VIEW LOOKING OUTBD ON WARDROBE AVIONICS RACK

Description

The Allied Signal KHF-950 HF system is a solid state single sideband transceiver system with 150 watts of output power. The frequency of operation ranges from 2.0000 to 29.9999 MHz with 100 Hz resolution. The KHF-950 system consists of:

- a. Power Amplifier/ Coupler, KAC-952
- b. Receiver/ Transmitter, KTR-953
- c. External Capacitor Unit, KA-161
- d. Control Unit, KCU-951
- e. Leading Edge Antenna

Both the Power Amplifier/Coupler, KAC-952, and External Capacitor Unit, KA-161, are installed in the vertical stabilizer. These units are being installed on existing provision provided by deHavilland for a HF installation.

The HF system is designed to be used with SELCAL.

Certification:

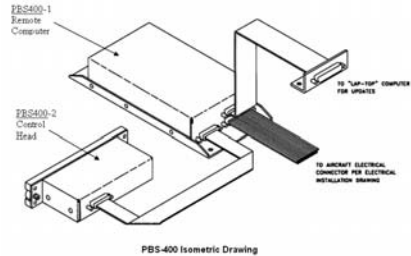
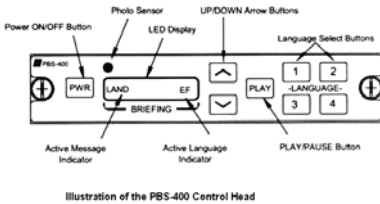
- Transport Canada STC
- FAA STC

Contact Field Aviation for a price quote

LSTC to Install a PBS-400 Passenger Briefing System

Applicability

deHavilland DHC-8-100



Description

The PBS-400 is a two-piece system: a control head which is DZUS rail mounted on the avionics panel above the forward LHS wardrobe, and a remote computer unit located on the underside of the wardrobe.

The remote computer stores all the information for the system and sends/receives signals to/from the control head and the audio system. Message briefings, languages, set volume levels, etc. are stored within the remote computer in a digital format.

PBS-400 messages can be changed by downloading new messages to the remote computer from a CD-ROM supplied by the manufacturer, Heads Up Technologies, and a laptop computer. The laptop computer is not provided by the manufacturer.

Operational commands to the PBS-400 system are sent via the control head. The control head sends messages to the remote computer and displays current system information on its LED display. The lettering on the buttons of the control head are backlit for night viewing.

Certification:

- Transport Canada LSTC
No. C-LSA03-146/D*

* This item is approved under a Transport Canada Limited Supplemental Type Certificate (LSTC) for specific aircraft, but full TC and FAA STC's can be obtained for the modification.

Contact Field Aviation for a price quote

LSTC for the Installation of a Standby Attitude Indicator

Applicability

deHavilland DHC-5



Description

This modification involves the installation of a Mid-Continent P/N 4300-411 electric attitude indicator. The Mid-Continent 4300-4XX series attitude indicator features a self-contained standby power source which is able to provide backup power for approximately one hour in the event aircraft electrical power is lost. This indicator serves as the “third” standby attitude indicator for both pilots and is installed in a vacant location amongst the engine instruments on the right hand side of the center instrument panel.

Certification:

- Transport Canada LSTC
No. C-LSA04-052/D*

* This item is approved under a Transport Canada Limited Supplemental Type Certificate (LSTC) for specific aircraft, but full TC and FAA STC's can be obtained for the modification.

Contact Field Aviation for a price quote

LSTC for the Upgrade of TCAS II software to incorporate Change 7**Applicability**

deHavilland DHC-8-102

Description

The Honeywell TCAS II had previously been installed on the DHC-8-102 aircraft in accordance with TCCA STC SA92-30 (FAA STC SA4093NM). This modification will upgrade the TCAS Computer units to Change 7. Change 7 involves software improvements primarily designed to eliminate "nuisance" callouts prevalent in earlier TCAS systems. To operate in Europe, all aircraft with 10 to 30 seats or a maximum takeoff weight of more than 5,700 kilograms must have Change 7 by January 1, 2005. (The deadline for larger aircraft was January 1, 2000).

The TCAS Computer units are upgraded in accordance with the manufacturers Service Bulletin. After upgrade, the TCAS Computer units are installed into the aircraft and tested.

Certification:

- Transport Canada LSTC
No. C-LSA03-076/D*

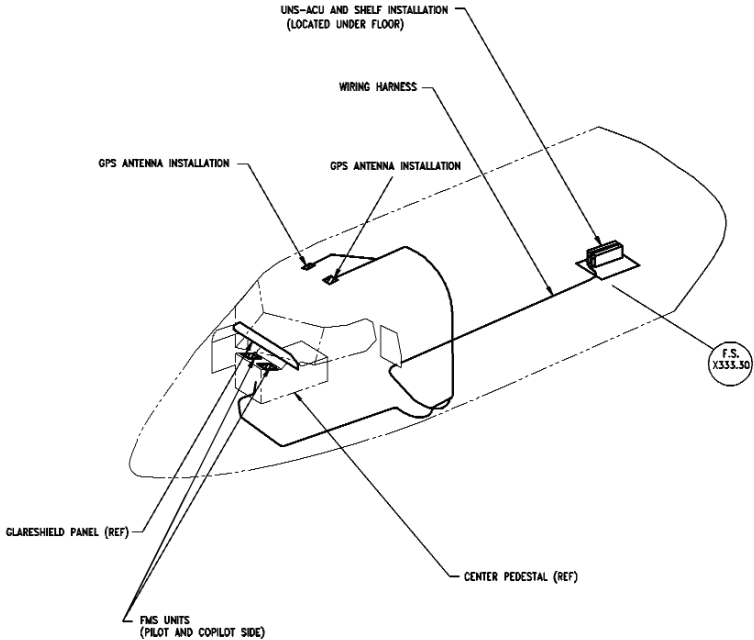
* This item is approved under a Transport Canada Limited Supplemental Type Certificate (LSTC) for specific aircraft, but full TC and FAA STC's can be obtained for the modification.

Contact Field Aviation for a price quote

STC to Install Dual UNS-1C Flight Management Systems (FMS)

Applicability

deHavilland DHC-8-100/-200/-300



Description

Installation of dual UNS-1C Flight Management Systems (FMS) into a deHavilland DHC-8-100/-200/-300 aircraft.

Certification:

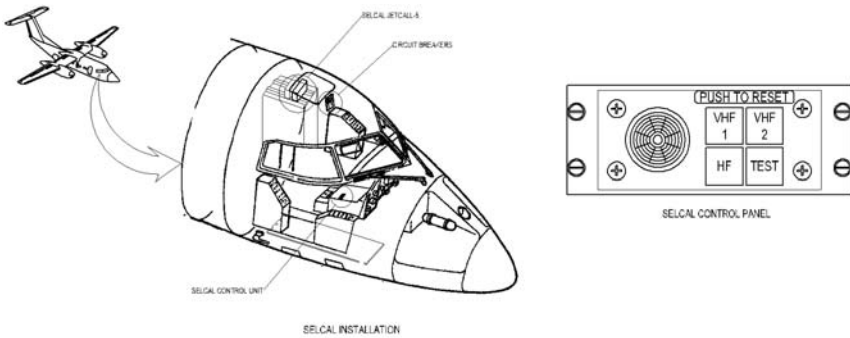
- Transport Canada STC No. SA97-44
- FAA STC No. ST09251SC

Contact Field Aviation for a price quote

Installation of JetCall-5 Selcal System

Applicability

deHavilland DHC-8-100/-200/-300



Description

The Free Flight Systems JetCall-5 Selcal system is a five channel selective calling system. The JetCall decoder allows ground stations, which are equipped with tone encoding equipment, to call individual aircraft by transmitting two pairs of assigned audio tones. This eliminates the flight crew's need to aurally monitor communications frequencies.

The encoded tone enables the JetCall decoder, which is set to respond to the tone code assignment. Upon receipt of a valid tone code, the decoder signals that a message is waiting by activating a chime and external Annunciator.

The JetCall-5 decoder is installed above the wardrobe on the avionics shelf. FACi has manufactured a control panel, which is mounted in the forward center console. The Selcal annunciators are installed on this control panel to indicate which communication system is activating the JetCall-5 decoder.

The Selcal provides selective calling for the existing VHF Communication System, Bendix/King KTR-908 or Rockwell Collins VIR-22, and HF System, Allied Signal KHF-950.

Certification:

- Transport Canada STC No. SA03-28
- FAA STC No. ST01875NY

Contact Field Aviation for a price quote