

United States of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number ST00052DE-D

This certificate issued to

**Learjet Inc.
One Learjet Way
Wichita, Kansas 67209**

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.

Original Product--Type Certificate Number: A20EA
Make: de Havilland
Model: DHC-7-102

Description of Type Design Change:

Installation of Honeywell ADZ-800 Air Data System and the Installation of Honeywell FMZ-800 Flight Management System with TSO C-129 Class C3 Global Positioning System (GPS) Sensor Unit(s) for GPS enroute, terminal, and non-precision approach operation in accordance with AMR Combs, Inc. Certification Drawing List 7500793, revision B, dated March 28, 1994, FAA approved March 31, 1994 or later approved revision.

Limitations and Conditions:

1. FAA approved Flight Manual Supplement, CG 00793-3, dated October 4, 1993 or later approved revision is required for the modification of the ADZ-800 Air Data System.
2. FAA approved Flight Manual Supplement, CG 00793-3, dated March 31, 1994 or later approved revision is required for the installation of the FMZ-800 Flight Management System. (See Continuation Sheet, page 3 of 3).

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: July 15, 1993

Date reissued: January 4, 1995

May 7, 2002

Date of issuance: October 4, 1993

Date amended: March 31, 1994

By Direction of the Administrator



David T. Grossman
(Signature)

David T. Grossman Program Manager
Denver Aircraft Certification Office.
Northwest Mountain Region, Denver, Colorado

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

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(Continuation Sheet)

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3. GPS Receiver Autonomous Integrity Monitoring (RAIM) Forecast Software Module, P/N 26014080-104, as defined in Honeywell Document No. 26014080-101, is a required part of this STC and must be integrated into the air carrier's dispatch procedures to provide the flight crew with predictive (ETA +/-15 minutes) RAIM availability at the destination airport, prior to dispatch, whenever termination at the destination airport is predicated on a GPS non-precision approach.
4. Approval for operation under this STC is contingent upon the Department of Defense declaration of Initial Operational Capability (IOC) of the GPS satellite constellation, and FAA concurrence for civil operation.
5. Installation of this STC is limited to only Continental Express DHC-7 aircraft which are approved for air carrier operation in accordance with FAR Part 121 Regulations.
6. Honeywell TSO approved Model NZ-920 Flight Management Computer, P/N 7004402-986, Mod 'AN', or later FAA TSO approved Mod revision is required.
7. Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to aircraft on which previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate must be maintained as part of the permanent records for the modified aircraft.

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