



Transport
Canada

Transports
Canada

Canada

No. CF-91-14R1

AIRWORTHINESS DIRECTIVE

The following airworthiness directive (AD) may be applicable to an aircraft which our records indicate is registered in your name. ADs are issued pursuant to Canadian Aviation Regulation (CAR) 593. Pursuant to CAR 605.84 and the further details of CAR Standard 625, Appendix H, the continuing airworthiness of a Canadian registered aircraft is contingent upon compliance with all applicable ADs. Failure to comply with the requirements of an AD may invalidate the flight authorization of the aircraft. Alternative means of compliance shall be applied for in accordance with CAR 605.84 and the above- referenced Standard.

This AD has been issued by the Continuing Airworthiness Division (AARDG), Aircraft Certification Branch, Transport Canada, Ottawa, telephone (613) 952-4357.

CF-91-14R1 BENDIX/KING

Applies to Bendix/King RNAV Computers KNC 667 part numbers 066-4011-XX and 066-4018-XX, known to be installed in, but not limited to, de Havilland Inc. DHC-8 and Fokker F28 Mk.1000 aircraft.

Compliance is required:

- A. Initially, upon receipt of this directive; and
- B. Where the memory clearance procedure is selected, prior to each time the KNS 660 database is updated with new Jeppesen data.

It was found that after updating, the KNS 660 Navigation System database contained outdated, as well as updated, position information and that the system continued to use the obsolete information.

To prevent the KNS 660 from providing incorrect information to aircraft flight crew and systems, accomplish one of the following:

A. KNC 667 Computer Memory Clearance Procedure

1. ON/OFF switch - Press ON to display the SELF-TEST page.
2. CURSOR key - Press to remove cursor from page.
3. System password - Input into the scratch pad area and press the ENTER key. "KNC667" is the system's default password if it has not been changed since installation.
4. CURSOR key - Press to position cursor back on the TEST OK? field.
5. ENTER key - Press to approve the SELF-TEST. The Initialization page will be displayed with a System Protect message displayed in the scratch pad area.
6. Initialization page - Press ENTER key to approve.
7. DAT key - Press to obtain DATA 2 Menu page.
8. CURSOR key - Press to position cursor over UPDATE FP/WPT menu item and press ENTER to update Flight Plan and Waypoint page.
9. Cursor - Position over the CLEAR MEMORY? field and press the ENTER key. All flight plans, waypoints, and user-defined airports and nav aids will be erased from memory.
10. ON/OFF switch - Press OFF and hold to remove power from the system.

The system may now be energized and the database may be updated with new Jeppesen data. Flight plans and waypoints may now be created and utilized.

or:

B. KNS 660 Disabling Procedure

1. Disable the KNS 660 Navigation System by pulling and collaring the respective circuit breaker.
2. Install a placard on the instrument panel in clear view of the pilot and co-pilot, which states:

USE OF THE KNS 660 NAVIGATION SYSTEM IS PROHIBITED.

or:

C. KNC 667 Software Modification

Modify the RNAV computer in accordance with the applicable Bendix/King service bulletin listed below:

SERVICE BULLETIN No. ISSUE DATE

KNC 667-SW5 November 1991

KNC 667-SW6 December 1991

KNC 667-SW7 March 1992

KNC 667-SW8 March 1992

The KNC 667 Computer Memory Clearance Procedure in section A above and the KNS 660 Disabling Procedure in section B above, may be discontinued if the RNAV computer modification has been accomplished in accordance with section C above.

Alternative means of compliance with the requirements of this directive may be used only if approved by the Director, Airworthiness Branch, Transport Canada, Ottawa. Any application should be made to the appropriate regional office.

This revision supersedes Airworthiness Directive CF-91-14 issued 17 May 1991.

This directive becomes effective 24 August 1992.

Pursuant to CAR 202.51 the registered owner of a Canadian aircraft shall, within seven days, notify the Minister in writing of any change of his or her name or address. To request a change of address, contact the Civil Aviation Communications Centre (AARC) at Place de Ville, Ottawa, Ontario K1A 0N8, or 1-800-305-2059, or <http://www.tc.gc.ca/civilaviation/communications/centre/address.asp>.

24-0022 (01-2001)