



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

**MINISTRY OF TRANSPORT AND COMMUNICATIONS  
CIVIL AVIATION DEPARTMENT**

Male'  
Republic of Maldives

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## **AIRWORTHINESS DIRECTIVE**

No. CAD/DHC-8/2R1  
7th September 1997

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### **APPLICABILITY**

DHC-8 aircraft  
Models 102, 103, 106, 201, **202**, 301, 311, 314 and 315  
Serial Numbers 3 through 472.

### **SUBJECT**

Simultaneous flagging of both attitude and heading reference systems (AHRS) in-flight.

### **REFERENCE**

Transport Canada AD CF-97-01R2 dated 13th August 1997 and De Havilland SB A8-34-117, Revision C dated 14th February 1997 (or later revisions, as appropriate).

### **REASONS**

It has been reported that an in-flight incident in which the attitude and heading were simultaneously flagged at both pilot's and co-pilot's primary flight instruments. The cause of the problem was identified as a faulty terminal block to which the grounds for both attitude and heading reference systems (AHRS) are located.

### **ACTION AND COMPLIANCE**

To minimise the probability of simultaneous failure of both AHRs, install deHavilland Modification 8/2710 (Installation of separate grounds for number 1 and 2 AHRS). Instructions for incorporating Modification 8/2710 are detailed in deHavilland SB No. A8-34-117. Compliance is required within 400 hours flight time after the effective date of this directive, unless already accomplished.

### **EFFECTIVITY**

This revision supersedes AD no. CAD/DHC-8/2 issued 19th March 1997.  
This directive retains the 19th March 1997 as the effective date of CAD/DHC-8/2.

Mahmood Razee  
**DIRECTOR OF CIVIL AVIATION**