
AIRWORTHINESS DIRECTIVE

For the reasons set out in the background section, the CASA delegate whose signature appears below issues the following Airworthiness Directive (AD) under subregulation 39.1 (1) of CAR 1998. The AD requires that the action set out in the requirement section (being action that the delegate considers necessary to correct the unsafe condition) be taken in relation to the aircraft or aeronautical product mentioned in the applicability section: (a) in the circumstances mentioned in the requirement section; and (b) in accordance with the instructions set out in the requirement section; and (c) at the time mentioned in the compliance section.

Restraint Equipment

AD/RES/31 **Sutton Harness Inspection and Life** **3/2002**

Applicability: All Sutton shoulder harnesses.

Note: These harnesses are installed in but not limited to De Havilland DH60, DH82, DH83 and DH94 series aircraft.

- Requirement:
1. Inspect integrity of the front and rear cockpit safety harness installations in accordance with Paragraph 2A of British Aerospace Mandatory TNS CT(Moth) No. 33 Issue 1 dated 1 March 1999.
 2. For front and rear cockpit safety harnesses P/Ns H34804A, H33257A, 51764A, H20746 or H37544, replace in accordance with Paragraph 2D of British Aerospace Mandatory TNS CT(Moth) No. 33 Issue 1 dated 1 March 1999.

Note: UK CAA AD 002-12-2001 refers.

- Compliance:
1. Within 10 flying hours or before 21 June 2002 whichever occurs first and thereafter at intervals not exceeding 12 months.
 2. Within 9 years of the initial installation date of harness or, if the installation date is not known, within 150 flying hours or before 17 June 2002 whichever occurs first.

This Airworthiness Directive becomes effective on 21 March 2002.

Background: Investigation into a fatal accident in UK revealed that the harness restraint cables and one lap strap near the stitching had failed during impact. Subsequent investigation revealed that the strength of the webbing had significantly deteriorated without any visual indication. Aircraft specific AD's have previously been issued for DH60, DH82 and DH94 series aircraft. This AD has been raised to cover possible other aircraft types fitted with a Sutton harness.



David Alan Villiers
Delegate of the Civil Aviation Safety Authority
4 February 2002