



## Streamline Wires

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Date : 1 December 2005

### Applicability

All wire braced aircraft fitted with stainless steel streamline bracing wires.

### Purpose

The purpose of this Bulletin is to alert maintainers and operators of aircraft fitted with stainless steel streamline bracing wires to the danger of failure of such wires due to mechanical damage or corrosion. Also, this Bulletin advises of the need to adequately inspect the wires for these types of damage and to replace them if any damage found exceeds tolerable limits.

### Background

Several in-flight failures of stainless steel streamline wires have occurred with various de Havilland aircraft in recent years. Fracture of streamline wires reduces the structural integrity of an aircraft and may result in widespread structural failure.

Airworthiness Directives have been issued both in Australia and overseas to mandate inspection and, if necessary, replacement of stainless steel streamline wires in various de Havilland models. These ADs have focussed on stainless steel streamline wires produced by Bruntons Aero Products Ltd, or by predecessor companies.

However, stainless steel streamline wires are also used for aircraft types and models other than de Havillands. This Bulletin alerts maintainers and operators of such aircraft to the need for inspection and possible replacement of the streamline wires fitted to such aircraft.

### Recommendation

That all aircraft fitted with stainless steel streamline bracing wires be inspected for mechanical or corrosion damage of these wires. If any wire damage is found which exceeds safe limits, the damaged wires should be replaced.

The inspection program detailed in de Havilland Support Ltd Technical News Sheet (TNS) CT(MOTH) No. 40 Issue 1, or later approved revision, is recommended.

This publication details suitable visual and non-destructive inspection methods and acceptable limits to wire damage. de Havilland Support Ltd may be contacted at [info@dhsupport.com](mailto:info@dhsupport.com)



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### Enquiries

Enquiries about the content of this Airworthiness Bulletin should be made via the direct link e-mail address included on the Airworthiness Bulletin web site, [AirworthinessBulletin@casa.gov.au](mailto:AirworthinessBulletin@casa.gov.au) or in writing to:

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