



# AIRWORTHINESS BULLETIN

Unapproved Parts Warning – Externally threaded fasteners AN, MS, NAS & Cable (Boeing)

**AWB** 01-026 **Issue** : 1  
**Date** : 19 December 2012

## 1. Applicability

All Aircraft.

## 2. Purpose

This AWB transmits a Boeing Canada warning about substandard externally threaded fasteners and control cable.

## 3. Background

This information originally appeared in CASA Airworthiness Advisory Circular (AAC) 1-33 issued mid-1990 and has been re-published as an AWB because the information it contained is still considered to be relevant.

### (a) Externally Threaded Fasteners.

Boeing Canada (de Havilland) has cited US Department of Defence and US Federal Trade Commission figures which reveal that up to 30 percent of all externally threaded fasteners including AN, MS and NAS items are substandard. These are marked with reputable trade marks but are generally below specification.

Boeing warns that the following are to be treated as suspect:

Manufacturer's Name	Head Marking
A.O. Sammons	"AS" or "SA"
CBS Fasteners	"CBS"
Lee Aerospace	"LA"
HC Pacific	"HC"
Longhorn Fastener Corp.	"LE"
Lawrance Engineering and Supply	"LE"

### (b) Control cable Mil-W-83420-D

Boeing Canada also issued a warning regarding substandard control cable offered as qualified to Mil-W-83420-D and warns that identification certificates alone are not sufficient protection as these have been found to be falsified.



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## 4. Recommendations

Boeing Canada recommended:

- a. Purchase only from recognised companies or distributors who have the capability of providing traceability to the manufacturer.
- b. With respect to control cables: carefully inspect and check for colour coded strands internally in wire and strands.
- c. Ensure that cable is received with proper identification and Certificates of Compliance.

## 5. References

- CAR 1988 regulation 36 Approval of aircraft components for use as replacements
- CAR 1988 regulation 42U Modifications and repairs: approved designs
- CAR 1988 regulation 42W Installation and use of aircraft components in maintenance – Australian aircraft in Australian Territory

## 6. Enquiries

Enquiries with regard to the content of this Airworthiness Bulletin should be made via the direct link e-mail address:

[AirworthinessBulletin@casa.gov.au](mailto:AirworthinessBulletin@casa.gov.au)

or in writing, to:

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