Bell Helicopter Textron Canada (BHTC) 407 Series Helicopters

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.

AD/BELL 407/18 Fuel Line 12/2001

Applicability: Bell 407 series helicopters, serial numbers 53000 through 53174.

Requirement:

1. Inspect the main fuel feed line, P/No 70-061V000V444A in accordance with BHTC Service Bulletin 407-01-42, Accomplishment Instructions PART 1. If the fuel feed line is found to be chafed replace before further flight.

2. Replace fuel cell standpipe, P/No 407-062-011-101 or 407-062-041-101, in accordance with BHTC Service Bulletin 407-01-42, Accomplishment Instructions PART 2

Note 1: Transport Canada AD CF-2001-30R1 refers.

Compliance:

1. Within 50 flight hours after the effective date of this Airworthiness Directive or by 31 January 2002 whichever occurs first.

2. Within 300 flight hours after the effective date of this Airworthiness Directive or by 31 January 2002 whichever occurs first.

This Airworthiness Directive becomes effective on 29 November 2001.

Background: Bell has advised that the main fuel feed line, located between the aft fuel boost pump and the top fuel cell fitting, may chafe on the fuel cell standpipe. If the fuel feed line chafed through either fuel leakage could occur, or air could enter the engine fuel supply line resulting in an engine flame out.

Eugene Paul Holzapfel
Delegate of the Civil Aviation Safety Authority

22 October 2001

The above AD is notified in the *Commonwealth of Australia Gazette* on 7 November 2001.