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 39.001(1) of CASR 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.

General Electric Turbine Engines - CF6 Series

AD/CF6/64 Fuel Shroud Retaining Snap Ring 8/2007

Applicability: This AD applies to the following General Electric Company (GE) CF6-80C2 series turbofan engines that have incorporated GE Service Bulletin (SB) No. CF6-80C2 S/B 73-0253, or were built with the drainless manifold configuration at the factory during production assembly, and, have one or more fuel shroud retaining rings, part number (P/N) J204P0084, installed:

CF6-80C2A1	CF6-80C2B1F
CF6-80C2A2	CF6-80C2B2F
CF6-80C2A3	CF6-80C2B4F
CF6-80C2A5	CF6-80C2B5F
CF6-80C2A8	CF6-80C2B6F
CF6-80C2A5F	CF6-80C2B6FA
CF6-80C2B1	CF6-80C2B7F
CF6-80C2B2	CF6-80C2B8F
CF6-80C2B4	CF6-80C2D1F
CF6-80C2B6	CF6-80C2L1F

This AD also applies to GE CF6-80E1A1, CF6-80E1A2, CF6- 80E1A3, CF6-80E1A4, and CF6-80E1A4B turbofan engines that have incorporated GE SB No. CF6-80E1 S/B 73-0026, or were built with the drainless manifold configuration at the factory during production assembly, and, have one or more fuel shroud retaining rings, P/N J204P0084, installed.

Note 1: These engines are installed on, but not limited to, Airbus A300, A310, A330, Boeing 747, 767, and McDonnell Douglas MD11 aeroplanes.

Note 2: For reference, the following Table 1 lists fuel manifold production P/Ns.

General Electric Turbine Engines - CF6 Series

AD/CF6/64 (continued)

Table 1.--Reference of Fuel Manifold Production P/Ns

CF6-80C2 Series Engines	
Drained Fuel Manifold P/N (left side)	**Drainless Fuel Manifold P/N (left side)**
1303M31G04	
1303M31G06	
1303M31G07	
1303M31G08	
1303M31G10	1303M31G12
Drained Fuel Manifold P/N (right side)	**Drainless Fuel Manifold P/N (right side)**
1303M32G04	
1303M32G06	
1303M32G07	
1303M32G08	
1303M32G10	1303M32G12
CF6-80 E1 Series Engines	
Drained Fuel Manifold P/N (left side)	**Drainless Fuel Manifold P/N (left side)**
1700M34G01	1303M31G12
Drained Fuel Manifold P/N (right side)	**Drainless Fuel Manifold P/N (right side)**
1700M35G02	1303M32G12

Requirement: Replace any fuel shroud retaining rings, P/N J204P0084, with a fuel shroud retaining snap ring, P/N 2186M12P01. Each engine has a total of 30 rings installed.

- For CF6-80C2 series engines, use paragraphs 3.A. through 3.C.(1)(b)2, of GE SB No. CF6-80C2 S/B 73-0337, Revision 3, dated 5 February 2007, to do the replacements.

General Electric Turbine Engines - CF6 Series

AD/CF6/64 (continued)

- For CF6-80E1 series engines, use paragraphs 3.A. through 3.C.(1)(b)2, of GE SB No. CF6-80E1 S/B 73-0075, Revision 1, dated 27 November 2006, to do the replacements.

This AD requires no further action if the fuel shroud retaining snap rings were installed in the CF6-80C2 series engines before the effective date of this AD using GE SB No. CF6-80C2 S/B 73-0337, Revision 2, dated 11 January 2007; Revision 1, dated 19 April 2005; or the Original, dated 30 November 2004.

Note 3: FAA AD 2007-11-20 Amdt 39-15077 dated 24 May 2007 refers.

Compliance: At the next engine shop visit for any reason after the effective date of this AD, unless the actions have already been done.

This Airworthiness Directive becomes effective on 2 August 2007.

Background: This AD results from two events of external engine fuel leakage and a subsequent under-cowl engine fire. The issuing of this AD is intended to prevent an under-cowl engine fire and damage to the aeroplane during an engine high vibration event.

David Punshon
Delegate of the Civil Aviation Safety Authority

12 June 2007