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.

British Aerospace BAe 3100 (Jetstream) Series Aeroplanes

AD/JETSTREAM/100  Landing Gear Radius Rod Cylinder Cracking  7/2005

Applicability: British Aerospace Models HP 137 Jetstream Mk 1, Jetstream 200, 3100 and 3200 Series Aircraft with radius rod cylinders part numbers 1847/A to 1847/L and 1862/A to 1862/L without strike-off 12.

Requirement: Perform the inspection of landing gear radius rod cylinders for cracking as per instructions of BAE Systems Ltd Jetstream Series 3100 and 3200 Service Bulletin (SB) 32-JA040945 Original issue or later EASA approved revision.


Compliance: From the effective date of this AD, at the thresholds and intervals specified in SB 32-JA040945 Original issue or later EASA approved revision.

This Airworthiness Directive becomes effective on 7 July 2005.

Background: There have been two reported cases of landing gear radius rod cylinders suffering cracks starting in the retract fluid connection bore. Such cracks can result in loss of the normal hydraulic system and may lead to a landing gear collapse. Landing gear collapse is considered as potentially hazardous.

This AD mandates additional inspections considered necessary to address the identified unsafe condition.

James Coyne
Delegate of the Civil Aviation Safety Authority
23 May 2005