
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.

Gulfstream (Rockwell) 112 Series Aeroplanes**AD/AC-112/16 Aileron Hinges and Elevator Trim Tab Hinges 9/2008**

Applicability: Model 112, with serial numbers 3 to 120 inclusive.

Requirement: To prevent failure of the aileron hinges and/or elevator hinges, carry out the following in accordance with Rockwell International Service Bulletin (SB) No. SB-112-6:

1. Inspect all hinge halves of both ailerons and both elevator trim tabs from the underside of the aircraft to determine if hinges are of the formed type, made by rolling the edge of a 1.016 mm (0.040 inches) thick flat sheet, or of the extruded type, 1.524 mm (0.060 inches) thick. If extruded hinge halves are found in all locations, no further action is required.
2. If a formed hinge piece is found, that complete hinge must be replaced with Rockwell Commander Part No. 42251-1 for the aileron hinges or Rockwell Commander Part No. 44020-5 for the elevator trim tab hinges.

Note: FAA AD 73-24-01 Amdt 39-1743 refers.

Compliance: Within 30 days from the effective date of this AD.

This Airworthiness Directive becomes effective on 28 August 2008.

Background: This AD follows a review of Australian Airworthiness Directives (AD) which indicated that, for reasons unknown, an Australian AD was not issued in response to FAA AD 73-24-01 Amdt 39-1743.



David Villiers
Delegate of the Civil Aviation Safety Authority

18 July 2008