
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-112/17 Aileron Hinges and Elevator Trim Tab Hinges 10/2008**

Applicability: Model 112 aircraft, serial numbers 3 through 120.

Requirement: (a) Inspect all hinge halves of both ailerons and both elevator trim tabs from underside of aircraft to determine if the hinges are of the formed type made by rolling the edge of a 0.040 inch thick flat sheet, or of the extruded type 0.060 inch thick.

 (b) If extruded hinge halves are found in all locations, no further action is required.

 (c) 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 before further flight.

If no cracks are visually evident in any formed hinges, the aircraft may be flown to a base where the replacement can be performed.

Note: FAA AD 73-24-01 Amdt 39-1743, and Rockwell International Service Bulletin No. SB-112-6 original issue, or later FAA approved revision, refer.

Compliance: Unless already accomplished, before 30 September 2008.

This Airworthiness Directive becomes effective on 25 September 2008.

Background: This Directive requires an inspection to determine whether the hinge halves of both ailerons and both elevator trim tabs are of a formed type or extruded type, and replacement if necessary. This Directive is issued to ensure compliance of future imported aircraft.



David Villiers
Delegate of the Civil Aviation Safety Authority

11 August 2008