

Boeing 747 Series Aeroplanes

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**AD/B747/144**

**Engine Thrust Control - Idler  
Cable Pulley Support Bracket**

**5/95**

Applicability: B747 Line numbers 202 to 886 inclusive equipped with GE CF6-45/50 engines.

- Requirement:
1. Visually inspect number 1 strut engine thrust control cable idler pulley support bracket for cracking in accordance with Boeing SB 747-76A2083. Brackets with a single crack less than 2.0 inches long may remain in service provided the interim repair is installed in accordance with Boeing SB 747-76A2083 Revision 1.
  2. Replace the aluminium alloy idler pulley support bracket with one made of Inconel 625 in accordance with Boeing SB 747-76A2083 Revision 2.

*Note: FAA AD 93-17-06 refers.*

- Compliance:
1. a. Inspect in accordance with Requirement 1 before 9000 hours time in service or within 600 hours time in service from 27 April 1995, whichever is the later. Re-inspect at intervals not to exceed 600 hours time in service.
  1. b. Inspect brackets with the interim repair installed in accordance with Requirement 1 at intervals not to exceed 100 hours time in service.
  2. a. Replace interim repaired brackets in accordance with Requirement 2 within 750 hours time in service from repair installation.
  2. b. Replace brackets in accordance with Requirement 2 before 10 November 1995.

*Note: Replacement with brackets manufactured from Inconel 625 cancels the inspection requirements of this AD.*

Background: Five operators have reported cracks in the thrust control cable idler pulley support brackets. Failure of the brackets could result in loss of control of engine thrust.