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**AIRWORTHINESS DIRECTIVE**

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For the reasons set out in the background section, the CASA delegate whose signature appears below issues the following Airworthiness Directive (AD) under subregulation 39.1 (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.

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**Boeing 747 Series Aeroplanes****AD/B747/313****Fire Extinguisher Bottles****10/2004**

**Applicability:** Boeing Model 747-100, 747-200B, 747-200C, 747-200F, 747-300, 747-400, 747-400D, 747-400F, and 747 SR series aeroplanes, as listed in Boeing Alert Service Bulletin 747-26A2272, dated 16 January 2003.

**Requirement:** 1. Perform an inspection to determine the part number (P/N) of the fire extinguisher bottles in the engine and the APU per the Accomplishment Instructions of Boeing Alert Service Bulletin 747-26A2272.

*Note 1: Boeing Alert Service Bulletin 747-26A2272 refers to Kidde Aerospace Service Bulletin A820400-26-432, dated 19 October 2002; and Kidde Aerospace Service Bulletin A830800-26-433, dated 19 October 2002; as additional sources of service information for accomplishment of the inspection and replacement, if necessary, for Model 747-100, 747-200B, 747-200C, 747-200F, 747-300, 747-400, 747-400D, 747-400F, and 747SR series aeroplanes; as applicable.*

- (a) If no "Pre SB A820400-26-432" P/N listed in Table 2 of Kidde Aerospace Service Bulletin A820400-26-432 is found installed; and if no "Pre SB A830800-26-433" P/N listed in Table 2 of Kidde Aerospace Service Bulletin A830800-26-433 is found installed; no further action is required.
  - (b) If any "Pre SB A820400-26-432" P/N listed in Table 2 of Kidde Aerospace Service Bulletin A820400-26-432 is found installed; or if any "Pre SB A830800-26-433" P/N listed in Table 2 of Kidde Aerospace Service Bulletin A830800-26-433, is found installed; replace the fire extinguisher bottle with a new fire extinguisher bottle having the "Post SB" P/N listed in Table 2 of the applicable Kidde Aerospace service bulletin in accordance with the Accomplishment Instructions of Boeing Alert Service Bulletin 747-26A2272.
2. Do not install on any aeroplane a Kidde Aerospace fire extinguisher bottle with any "Pre SB A820400-26-432" P/N listed in Table 2 of Kidde Aerospace Service Bulletin A820400-26-432; or any "Pre SB A830800-26-433" P/N listed in Table 2 of Kidde Aerospace Service Bulletin A830800-26-433.

*Note 2: FAA AD 2004-14-13 Amdt 39-13722 refers.*

## Boeing 747 Series Aeroplanes

AD/B747/313 (continued)

Compliance: For Requirement 1(a): Within two years after the effective date of this Directive.

For Requirement 1(b): Prior to further flight.

For Requirement 2: After the effective date of this Directive.

This Airworthiness Directive becomes effective on 30 September 2004.

Background: This Directive is necessary to prevent fractured discharge heads, which could cause the fire-extinguishing agent to leak, which could result in an uncontrolled engine fire that could spread to the strut and wing, or an uncontrolled APU fire that could spread to the airplane structure.



Gary J Carr  
Delegate of the Civil Aviation Safety Authority

16 August 2004