

Boeing 737 Series Aeroplanes

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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 CAR 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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**AD/B737/163**

**Passenger Entertainment System  
FAA STC ST09100AC-D, ST09104AC-D,  
ST09105AC-D or ST09106AC-D**

**9/2001**

**Applicability:** Model 737-700 series airplanes modified by United States Federal Aviation Administration (FAA) Supplemental Type Certificate (STC) ST09100AC-D, ST09104AC-D, ST09105AC-D or ST09106AC-D.

- Requirement:**
1. Accomplish the following:
    - a. Modify the passenger entertainment system (PES) by installing a power switch and a load-shed circuit breaker as well as associated relays and wiring, in accordance with Raytheon Service Bulletin (SB) 737IGW-24-1, dated 11 August 2000.
    - b. Revise the Non-Normal Procedures Section of the Aircraft Flight Manual (AFM) to advise the flight crew on using the power switch to remove power from the PES in the event of an emergency related to smoke or fire, in accordance with Raytheon Airplane Flight Manual Supplement B737-700 IGW, dated 16 October 2000, which is supplied with Raytheon SB 737IGW-24-1.
  2. PES may not be installed on any aeroplane in accordance with STC ST09100AC-D, ST09104AC-D, ST09105AC-D or ST09106AC-D, unless it is modified and the AFM is revised in accordance with this Directive.

*Note: FAA AD 2001-14-12 Amdt 39-12323 refers.*

**Compliance:** For Requirement 1 - Within 18 months after the effective date of this Directive.

For Requirement 2 - As of the effective date of this Directive.

This Airworthiness Directive becomes effective on 6 September 2001.

**COMMONWEALTH OF AUSTRALIA**  
**CIVIL AVIATION SAFETY AUTHORITY**  
**SCHEDULE OF AIRWORTHINESS DIRECTIVES**

*(Civil Aviation Regulations 1998), PART 39 - 105*

Background: This Directive requires the modification of the PES installed by STC ST09100AC-D, ST09104AC-D, ST09105AC-D, or ST09106AC-D and the revision of the AFM. This action is required to ensure that, when necessary, the flight crew is able to remove electrical power from the PES and is advised of appropriate procedures for such action. Inability to remove power from the PES during a non-normal or emergency situation could result in inability to control smoke or fumes in the airplane flight deck or cabin.



James Coyne  
Delegate of the Civil Aviation Safety Authority

23 July 2001