
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.

Cirrus Design SR20 and SR22 Series Aeroplanes**AD/CIRRUS/10****Exhaust Heat Exchanger Cracks****9/2008**

Applicability: Cirrus Design Corporation Model SR20 aeroplanes, serial numbers 1005 through 1815.

Requirement:

1. Perform a pressurization inspection/check on the exhaust system in accordance with Cirrus Service Bulletin SB 2X-78-07 R1, Revision 1, dated 18 December 2007.
2. If the exhaust system is found defective during the inspection/check detailed in Requirement 1 of this AD or an exhaust odour is detected inside the aeroplane cabin, replace the heat exchanger weldment and shroud with new improved heat exchanger weldment and new shroud in accordance with Cirrus Service Bulletin SB 2X-78-07 R1, Revision 1.

Later revisions of the above SB, approved by the United States Federal Aviation Administration (FAA) as an Alternate Method of Compliance (AMOC) to FAA AD 2008-11-18 are considered acceptable for compliance with the equivalent Requirements of this Directive.

Note: FAA AD 2008-11-18 Amdt 39-15541 dated 22 May 2008 refers.

Compliance: For Requirement 1: Initially within the next 25 hours time-in-service or within the next 3 months after the effective date of this AD, whichever occurs first; and

Repetitively thereafter at intervals not to exceed every 100 hours TIS.

For Requirement 2: Before further flight after the inspection/check in which the exhaust system is found defective or an exhaust odour is detected.

This Airworthiness Directive becomes effective on 28 August 2008.

Cirrus Design SR20 and SR22 Series Aeroplanes

AD/CIRRUS/10 (continued)

Background: This AD results from the discovery of engine exhaust fumes in the cabin of Cirrus Design Corporation Model SR20 airplanes. The issuing of this AD is to detect and correct leaks in the exhaust system, which could result in exhaust gases leaking into the cabin heating system. This condition could lead to carbon monoxide in the cabin and incapacitation of the pilot.



James Coyne
Delegate of the Civil Aviation Safety Authority

16 July 2008