
AIRWORTHINESS DIRECTIVE

On the effective date specified below, and for the reasons set out in the background section, the CASA delegate whose signature appears below revokes Airworthiness Directive (AD) AD/X-TS/1 and issues the following 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.

Eagle X-TS Series Aeroplanes

AD/X-TS/1 **Exhaust System Inspection - Heat Exchanger** **16/2013**
Amdt 1

Applicability: All Eagle XTS aircraft Serial Numbers 002 - 015 (incl).

Requirement:

1. Inspect the exhaust muffler heat shroud end plate attachment for signs of cracking in accordance with the provisions of Eagle Aircraft Service Bulletin SB1042 dated 30 June 1998. Evidence of cracking of the exhaust system renders the aircraft unserviceable until the system is replaced or repaired in accordance with the manufacturer's instructions.
2. A report of each inspection carried out under the provisions of this Directive is to be raised and forwarded to Eagle aircraft. The report shall include all observations on the condition of the exhaust muffler and whether or not cracks are detected. Particular attention shall be paid to aircraft structure and components in close proximity to the muffler for signs of fretting and/or abrasion. These observations shall also be included in the report to Eagle aircraft.

Compliance:

1. Unless previously accomplished, before further flight and thereafter at intervals not to exceed 25 hours time in service.
2. Following each exhaust inspection at requirement 1.

Note: Compliance with Eagle Aircraft Service Bulletin SB1043, "Exhaust Muffler and Cowling - Inspection & Rework" (effective date 27/07/98) is considered terminating action for the above repetitive inspection requirements.

Initial compliance may be delayed by up to 10 hours on the condition that the cabin heating system is rendered inoperative before next flight, a serviceable Carbon Monoxide Spot Detector is fitted in clear view of the pilot, and the heating system is not returned to a serviceable condition until the exhaust system has been inspected and cleared as serviceable.

This Amendment becomes effective on 6 September 2013.

Background: One aircraft, with less than 100 hours operation, has been found with cracks in the exhaust muffler assembly which could lead to the leakage of potentially harmful exhaust gases into the cabin heating system. This Directive mandates a manufacturer's Service Bulletin which inspects the exhaust muffler system for cracks and introduces a repeat inspection to ensure that the exhaust system remains in a safe condition pending modification action by the manufacturer.

Eagle X-TS Series Aeroplanes

AD/X-TS/1 Amdt 1 (continued)

Amendment 1 notates that compliance with the Manufacturers modification actions detailed in Service Bulletin 1043 is terminating action for the repetitive inspection requirements of this AD.

The original issue of this Airworthiness Directive became effective on 6 July 1998.

A handwritten signature in black ink, appearing to read 'MH' with a stylized flourish.

Mike Higgins
Delegate of the Civil Aviation Safety Authority

2 September 2013