Skyfox Aviation (Hedaro) CA25 Series Aeroplanes

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 39.1 (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.

AD/CA25/11 Engine Air Intake Hoses 7/2001

Applicability: CA25 and CA25N aircraft other than aircraft operated in accordance with Civil Aviation Orders Part 95, Section 95.55.

Requirement:

1. (a) Remove both engine air intake hoses and inspect hoses internally and externally for fabric, helix wire and attachment cuff condition, and

   (b) inspect both engine air intake hoses for evidence of the hose manufacturer's identification and hose specification.

2. Replace engine intake hoses with hoses approved for the purpose by a CAR 35/36 authorised person when it is established the installed hose:

   (a) Is not airworthy, or

   (b) The hose manufacturer or hose specification cannot be identified, or

   (c) The hose is not approved by the hose manufacturer for negative pressure applications.

Note: Aeroduct "SCAT" and "SCEET" hoses are not approved by the hose manufacturer HRD Thermoid Industries for use in negative pressure applications.

Compliance:

Requirement 1: Within 50 hours or 3 months, whichever occurs first, time in service from the effective date of this Directive and thereafter at intervals not to exceed 50 hours time in service until Requirement 2 of this Directive is carried out.

Requirement 2:
(a) Prior to further flight.
(b) Prior to 31 October 2001.
(c) Prior to 31 October 2001.

This Airworthiness Directive becomes effective on 12 July 2001.

Background: This Directive has been issued to require engine air intake hoses to be inspected for evidence of condition and conforming to the hose manufacturer's specifications. The requirement follows the initial findings of the investigation of a March 2000 accident involving a Skyfox aircraft. The investigation of that accident and 3 previous Skyfox engine power loss incidents disclosed, the prime cause of the accident, and the incidents, to be deterioration of the engine air intake hoses. The deterioration results in the hoses collapsing during high power applications.

This Directive has been issued after consideration of comments received against NPRM 0011CS of 11 December 2000.

Eugene Paul Holzapfel
Delegate of the Civil Aviation Safety Authority

1 June 2001

The above AD is notified in the *Commonwealth of Australia Gazette* on 13 June 2001.