

Sikorsky S-76 Series Helicopters

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/S-76/64 **Aero Aire Air Conditioning System** **9/2000**
DM

Applicability: Model S-76A helicopters with Aero Aire Air Conditioning System, part number (P/N) S-76A-1-2, modified in accordance with Federal Aviation Administration (FAA) Supplemental Type Certificate SH4680SW without Aero Aire Corporation Service Bulletin (SB) 970002 incorporated.

Requirement: 1. Inspect the soft-start control assembly in accordance with the Accomplishment Instruction, Section III, of Aero Aire Corporation SB No. 970001, Revision A, dated 18 September 1997,

Note 1: Neither contact with nor return of the soft-start controller unit to Aero Aire Corporation is required.

2. Install a soft start assembly retrofit kit (kit), P/N 76SB001, in accordance with the Accomplishment Instructions, Section III, of Aero Aire Corporation SB 970002, dated 18 December 1997.

Installation of this kit is terminating action for the Requirement 1 repetitive inspections.

Note 2: FAA AD 2000-12-09 Amdt 39-11787 and Sikorsky Alert Service Bulletin No. 76-21-4A dated 24 February 1998 refer.

Compliance: For Requirement 1 - Within 25 hours time-in-service (TIS) after the effective date of this Directive and thereafter at intervals not to exceed 25 hours TIS.

For Requirement 2 - Within 120 calendar days, after the effective date of this Directive.

This Airworthiness Directive becomes effective on 26 July 2000.

COMMONWEALTH OF AUSTRALIA
CIVIL AVIATION SAFETY AUTHORITY
SCHEDULE OF AIRWORTHINESS DIRECTIVES

(Civil Aviation Regulations 1998), PART 39 - 105

Background: The FAA received a report of overheating of the air conditioning soft-start assembly, this condition if not corrected, could lead to damage in the lower tailcone, with an electrical fire and possible subsequent loss of control of the helicopter.

This Directive requires repetitive inspections of the air conditioning system until a soft-start assembly retrofit kit is installed. The retrofit kit is designed to prevent a continuous flow of current through the soft-start resistor.



Eugene Paul Holzapfel
Delegate of the Civil Aviation Safety Authority

18 July 2000