

Airworthiness Directive Schedule

Helicopters

Fairchild FH-1100

30 November 2006

- Notes**
1. This AD schedule is applicable to Fairchild FH-1100 helicopters manufactured under FAA Type Certificate No. H2WE.
 2. The date above indicates the amendment date of this schedule.
 3. New or amended ADs are shown with an asterisk *

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DCA/FH-1100/1 Transmission Oil System - Inspection**Applicability:** All model FH-1100**Requirement:** Fairchild Hiller SL FH-1100-23-1**Compliance:** Every 10 hours TIS. The removal of the finger screen P/N 24-23158 may be discontinued after compliance with SB FH-1100-23-7**Effective Date:** 31 March 1969**DCA/FH-1100/2A Cancelled: Purpose fulfilled, see DCA/FH-1100/3A****DCA/FH-1100/3A Cyclic Input Swash-Plate Ring - Modification****Applicability:** Model FH-1100 S/N 9 through 49**Requirement:** Fairchild Hiller SIL 2A**Compliance:** Within 25 hours TIS for rings having more than 75 hours TIS. Prior to the accumulation of 100 hours TIS for rings having less than 75 hours TIS**Effective Date:** 31 March 1969**DCA/FH-1100/4 Cargo Hook Side Plates - Inspection****Applicability:** All cargo hooks manufactured prior to 12 February 1968**Requirement:** Fairchild Hiller SL FH-1100-98-1**Compliance:** Every 10 hours of cargo hook utilisation**Effective Date:** 31 March 1969*** DCA/FH-1100/5 Cancelled - DCA/FH-1100/6A refers****Effective Date:** 30 November 2006*** DCA/FH-1100/6A Collective and Cyclic Push Rods – Inspection and Modification****Applicability:** All model FH1100 aircraft.**Requirement:** To prevent looseness developing between the end fittings and swaged ends of the collective and cyclic push rod tubes, inspect the push rod ends, per the instructions in FH-1100 Manufacturing Corporation Service Letter FH1100-30-2.Push rods with end fitting axial play, must either be modified or replaced, as required, per the instructions in SL FH1100-30-2, before further flight.**Compliance:** Within the next 10 hours TIS, unless already accomplished, and thereafter inspect at intervals not to exceed 100 hours TIS.

Once all the push rods have been modified per FH1100-30-2, inspect thereafter at intervals not to exceed 300 hours TIS.

Effective Date: DCA/FH-1100/6 - 31 March 1969

DCA/FH-1100/6A - 30 November 2006

- DCA/FH-1100/7 Main Rotor Gear Box - Replacement of Tail Rotor Output Coupling - Modification**
- Applicability:** All model FH-1100 with P/N 24-23000-3 transmission installed
- Requirement:** Fairchild Hiller SB FH-1100-23-1
- Compliance:** Within the next 300 hours TIS
- Effective Date:** 31 March 1969
- DCA/FH-1100/8 Cancelled: Once only inspection, purpose fulfilled**
- DCA/FH-1100/9 Rotor Drives - Engine to Transmission Coupling Shaft - Inspection and Modification**
- Applicability:** All model FH-1100 with S/N listed in SB FH-1100-24-1
- Requirement:** Fairchild Hiller SB FH-1100-24-1
- Compliance:** Within the next 100 hours TIS
- Effective Date:** 31 March 1969
- DCA/FH-1100/10 Fuel System - Placards Replacement - Modification**
- Applicability:** All model FH-1100 with S/N listed in SB FH-1100-72-3
- Requirement:** Fairchild Hiller SB FH-1100-72-3
- Compliance:** Next periodic inspection
- Effective Date:** 31 March 1969
- DCA/FH-1100/11 Coupling Shaft Removal - Modification**
- Applicability:** All P/N 19E49-3A, -3B coupling shafts S/N 20 through 25, 75, 77, 87, 90, 93, 98, 104 and 106
- Requirement:** FAA AD 68-8-9
- Compliance:** Before further flight
- Effective Date:** 31 March 1969
- Note: A copy of the FAA AD may be obtained from the Director*
- DCA/FH-1100/12 Main Rotor Assembly - Inspection and Modification**
- Applicability:** All model FH-1100 with S/N listed in SB FH-1100-51-3
- Requirement:** Fairchild Hiller SB FH-1100-51-3
- Compliance:** By 15 August 1968
- DCA/FH-1100/13 Tail Boom Removal of Stabiliser Extensions - Modification**
- Applicability:** All model FH-1100 which have extended stabilisers installed and are operating without inflatable floats
- Requirement:** Fairchild Hiller SB FH-1100-62-1
- Compliance:** By 15 August 1968
- DCA/FH-1100/14 Support Fitting for Landing Gear - Inspection and Modification**
- Applicability:** All model FH-1100 with S/N listed in SB FH-1100-61-5

Requirement: Fairchild Hiller SB FH-1100-61-5
Compliance: Within the next 25 hours TIS
Effective Date: 31 March 1969

DCA/FH-1100/15 **Cancelled: Once only inspection, purpose fulfilled**

DCA/FH-1100/16 **Cancelled: Once only inspection, purpose fulfilled**

DCA/FH-1100/17 **Anti-Torque Control Chain Connecting Link - Modification**

Applicability: All model FH-1100 with S/N listed in SB FH-1100-32-1
Requirement: Fairchild Hiller SB FH-1100-32-1
Compliance: Next periodic inspection
Effective Date: 31 May 1969

DCA/FH-1100/18 **Fuel Tank Vent Lines - Modification**

Applicability: Model FH-1100 S/N 9 through 169
Requirement: Fairchild Hiller SB FH-1100-72-4
Compliance: By 31 July 1969

DCA/FH-1100/19 **Cancelled: Once only inspection, purpose fulfilled**

DCA/FH-1100/20 **Cancelled: Once only inspection, purpose fulfilled**

DCA/FH-1100/21A **Transmission Mounts - Inspection**

Applicability: All model FH-1100
Requirement: FAA AD 70-18-4
Compliance: Within the next 25 hours TIS and thereafter at intervals not exceeding 100 hours TIS
Effective Date: 31 August 1970
Note: A copy of the FAA AD may be obtained from the Director

DCA/FH-1100/22 **Cancelled by DCA/FH-1100/24**

DCA/FH-1100/23 **Cancelled: Once only inspection, purpose fulfilled**

DCA/FH-1100/24 **Tail Boom Horizontal Stabiliser - Modification**

Applicability: All model FH-1100
Requirement: Fairchild Hiller SB FH-1100-62-6
Compliance: Within the next 100 hours TIS
Effective Date: 31 May 1971

DCA/FH-1100/25 **Rotor Drive Sockets - Inspection and Replacement**

Applicability: All model FH-1100 utilising DU sockets in 3-C couplings or in SK 189 kit form
Requirement: Fairchild Hiller SL FH-1100-24-4A

Compliance: Before further flight and thereafter at intervals not to exceed 10 hours TIS

Effective Date: 31 July 1971

DCA/FH-1100/26A Basic Structure Rework of Frame 163.5 - Modification

Applicability: Model FH-1100 S/N 9 through 254

Requirement: Fairchild Hiller SB FH-1100-61-3

Compliance: As detailed

Effective Date: 31 July 1971

DCA/FH-1100/27 Left Side Lateral Transmission Strut - Modification

Applicability: All model FH-1100

Requirement: Fairchild Hiller SL FH-1100-28-3

Compliance: Within the next 100 hours TIS

Effective Date: 31 December 1971

DCA/FH-1100/29 Engine Mounts - Modification

Applicability: Model FH-1100 S/N 9 through 225, 242, 243 and 244

Requirement: Fairchild Hiller SB FH-1100-71-2

Compliance: Within the next 100 hours TIS

Effective Date: 31 December 1971

DCA/FH-1100/30 Landing Gear Torque Tube - Inspection

Applicability: All model FH-1100

Requirement: Fairchild Hiller SL FH-1100-43-1

Compliance: Every 100 hours TIS

Effective Date: 31 March 1972

DCA/FH-1100/31 Cancelled: Purpose fulfilled

DCA/FH-1100/32 Engine to Transmission Drive Shaft Assemblies - Inspection and Modification

Applicability: All model FH-1100

Requirement: FAA AD 72-13-7

(Fairchild Hiller SB FH-1100-24-4 also refers)

Compliance: As detailed

Effective Date: 31 August 1972

Note: A copy of the FAA AD may be obtained from the Director

DCA/FH-1100/33A Tail Fin Spar Channel - Inspection

Applicability: All model FH-1100

Requirement: As a result of a failure of a tail fin spar the following inspection is to be carried out to detect cracks in the tail fin spar channel P/N 24-62030-7 or P/N 24-620-30-43 in the area of the tail rotor gear box mount P/N 24-62006-3.

1. Remove tail rotor gear box fairing and fin leading edge cover.
2. Clean the tail fin spar in an area one inch in diameter around the left and right forward attachment bolts (two of ten by which the tail rotor gear box mount is attached to the spar) and the spar surface between these two attachments and forward, for a distance of 1½ inches with metachlor or equivalent grease and oil remover by light scrubbing with a stiff bristle brush.
3. Inspect the cleaned area for cracks with at least a ten power magnifying glass by looking through the front end of the tail rotor gear box mount fitting.
4. If a crack is found, replace with an uncracked fin assembly that has been inspected in accordance with the above procedure or modify fin in accordance with an approved modification, before further flight.

(FAA AD 75-03-04 amendment 39-2251 also refers)

Compliance: Within the next 5 hours TIS unless already accomplished and thereafter at intervals not exceeding 100 hours TIS

Effective Date: 1 August 1975

DCA/FH-1100/34 Tail Rotor Assembly - Inspection

Applicability: All model FH-1100

Requirement: Fairchild SL FH-1100-55-2A

Compliance: Within the next 25 hours TIS

Effective Date: 16 October 1975

Note: Requirement notified to registered owners on effective date

DCA/FH-1100/35 Engine Fuel Pump Filter Warning Switch - Installation

Applicability: Model FH-1100 S/N 9 through 258

Requirement: Fairchild SB FH-1100-72-1

Compliance: By 31 December 1976

Effective Date: 30 September 1976

DCA/FH-1100/36A Tail Rotor Tension-Torsion Bars - Inspection

Applicability: All model FH-1100 fitted with Tension-Torsion bars P/N 24-55106 with S/N prior to 1922 or with S/N's which are illegible

Requirement: Fairchild SB FH-1100-55-2A
(FAA AD 77-07-08 amendment 39-2992 also refers)

Compliance: Within the next 25 hours TIS, unless already accomplished

Effective Date: DCA/FH-1100/36 - 18 April 1977
DCA/FH-1100/36A - 31 August 1977

DCA/FH-1100/37 Main Rotor Gear Box - Inspection and Modification

Applicability: Model FH-1100 S/N 9 through 254 except those with lower transmission housing P/N 24-23030-11

Requirement: Inspect and rework transmission lower housing P/N 24-23030-7 gimbal ring attach lugs and retire lower housing, per Fairchild SB FH-1100-23-10 dated 24 April 1979

Compliance: Inspection - At intervals not exceeding 500 hours TIS. Transmissions which have exceeded 500 hours TIS shall be inspected within next 50 hours TIS unless already accomplished within last 450 hours TIS.

Rework - At intervals not exceeding 1200 hours TIS. Transmissions which have exceeded 1200 hours TIS shall be reworked within next 100 hours TIS unless accomplished within last 1100 hours TIS.

Retirement - At 3600 hours TTIS

Effective Date: 1 June 1979

DCA/FH-1100/38 Upper Flight Controls - Inspection

Applicability: Model FH-1100 S/N 001 through 254

Requirement: Inspect support column for correct dimensions and main rotor mast for damage per FAA AD 81-10-02.

Renew undersize or damaged parts before further flight.

Compliance: By 31 May 1981

Effective Date: 21 May 1981

*Note: 1. A copy of the FAA AD may be obtained from the Director
2. Requirement notified to registered owners on effective date*