Airworthiness Directive Schedule

Aeroplanes

Pacific Aerospace CT/4 Series Airtrainer

29 April 2021

Notes:

1. This AD schedule is applicable to Pacific Aerospace CT/4, CT/4A, CT/4B and CT/4E Airtrainer aircraft manufactured under Civil Aviation Authority of New Zealand Type Certificate No. A-10.
2. The date above indicates the amendment date of this schedule.
3. New or amended ADs are shown with an asterisk *

Contents

DCA/CT4/1	Elevator and Rudder Actuator Trim Assembly - Inspection	2
DCA/CT4/2	Starboard Safety Harness Retaining Strap - Modification	2
DCA/CT4/3	Mainplane Forward Pick Up Attachment Bolts - Inspection	2
DCA/CT4/4	Upper Engine Mount Blocks to Fuselage Longerons - Rivet Replacement	2
DCA/CT4/5	Aileron Travel Stop bolt on Control Column Torque Tube - Inspection	2
DCA/CT4/6	Fuel Contents Indicator – Recalibration and Remarking	2
DCA/CT4/7	Horizontal Stabilizer Rear Spar – Inspection	3
DCA/CT4/8	Flap Actuator Assembly – Inspection	3
* DCA/CT4/9	Wing Rear Spar – Inspection	3

DCA/CT4/1 Elevator and Rudder Actuator Trim Assembly - Inspection

Applicability: CT/4 series aircraft, S/N 001 through to 014.

Requirement: Aerospace SB ASB/CT/004.

Compliance: Within the next 50 hours TIS.

Effective Date: 1 May 1975

DCA/CT4/2 Starboard Safety Harness Retaining Strap - Modification

Applicability: CT/4 series aircraft, S/N 003 through to 015.

Requirement: Aerospace SB ASB/CT/005.

Compliance: Within the next 10 hours TIS.

Effective Date: 1 May 1975

DCA/CT4/3 Mainplane Forward Pick Up Attachment Bolts - Inspection

Applicability: CT/4 series aircraft, S/N 001 through to 018.

Requirement: Aerospace SB ASB/CT/016.

Compliance: Within the next 50 hours TIS.

Effective Date: 1 May 1975

DCA/CT4/4 Upper Engine Mount Blocks to Fuselage Longerons - Rivet Replacement

Applicability: CT/4 series aircraft, S/N 001 through to 026.

Requirement: Aerospace SB ASB/CT/033.

Compliance: Before further flight

Effective Date: 1 May 1975

DCA/CT4/5 Aileron Travel Stop bolt on Control Column Torque Tube - Inspection

Applicability: CT/4A aircraft, S/N 003 through to 040.

Requirement: Aerospace SB ASB/CT/039.

Compliance: By 30 September 1975

Effective: 1 May 1975

DCA/CT4/6 Fuel Contents Indicator – Recalibration and Remarking

Applicability: CT/4, CT/4A and CT/4B aircraft, S/N 001 through to 114.

Requirement: To ensure that fuel quantity indication system displays useable fuel contents only, accomplish Pacific Aerospace Corporation SB PACSB/CT/117 revision 1.

Compliance: By 31 October 1999

Effective Date: 7 May 1999

DCA/CT4/7 Horizontal Stabilizer Rear Spar – Inspection

Applicability: CT/4E aircraft, S/N CT227 through to CT240 inclusive, and

All CT/4 series aircraft fitted with the new style hinge bracket P/N 10-30031-1.

Requirement: To ensure early detection and/or prevention of cracks developing behind the top attachment of the hinge bracket on the horizontal stabilizer rear spar, accomplish the following:

a) Inspect the area per accomplishment instruction 3. in Pacific Aerospace Corporation Service Bulletin No. PACSB/CT/132.

b) If cracks are found, replace the horizontal stabilizer rear spar per Service Bulletin No. PACSB/CT/132 and embody MOD PAC/CT/0303 issue 2.

c) If no cracks are found, embody MOD PAC/CT/0303 issue 2.

(PAC SB No. PACSB/CT/132 refers)

Note 1: The horizontal stabilizer rear spar is not repairable and must be replaced if found cracked.

Note 2: PAC MOD PAC/CT/0303 issue 2 revises the centre hinge attachment to the horizontal stabilizer rear spar, to prevent cracks developing.

Compliance: Within the next 100 hours TIS.

Effective Date: 28 September 2006

DCA/CT4/8 Flap Actuator Assembly – Inspection

Applicability: CT/4 series aircraft, all S/N.

Applicability: To prevent loss of flap control due to the possible installation of an incorrectly manufactured flap drive fitting, accomplish the following:

Inspect the flap actuator assembly per the instructions in Pacific Aerospace Mandatory Service Bulletin (MSB) PACSB/CT/138 issue 2, dated 31 July 2018, or later approved revision and determine the P/N of the flap linear actuator fitted to the aircraft.

If a Dukes flap linear actuator P/N 4643-00 is found fitted, no further action is required.

If an APPH flap linear actuator P/N C100470 is found fitted, then accomplish the instructions in Section 2.A and Section 2.B of MSB PACSB/CT/138 issue 2, before further flight.

Compliance: Within the next 50 hours TIS, or the next maintenance inspection, whichever is the sooner.

Effective Date: 28 February 2019

*** DCA/CT4/9 Wing Rear Spar – Inspection**

Applicability: CT/4B aircraft, all S/N.

Note 1: This AD is prompted by a report received by the CAA of finding a significant crack in the wing rear spar on a CT/4B aircraft in the area where the wing fitting ends in the spar web, which is located behind the flaps.

Requirement: To prevent wing failure due to a possible crack in the rear spar, accomplish a detailed visual inspection of the rear spar area on both wings.

Inspect for condition, cracks and defects with the flaps selected in the DOWN position. Pay particular attention to the inboard area of the rear spar where the wing fitting ends.

If any defects are found, accomplish approved corrective actions, before further flight.

Note 2: A detailed visual inspection is an intensive examination of a specific item/part, or an installation, or an assembly to detect damage, failure or irregularity. Available lighting should be supplemented with a direct source of good lighting at an intensity deemed appropriate. Inspection aids such as a mirror and a magnifying glass may be necessary. Surface cleaning may be required.

Note 3: General visual inspection instructions for the wing rear spar area are provided in the manufacturer maintenance schedule, Chapter 05, Page 23 of Pacific Aerospace Limited CT/4 Series Airtrainer Maintenance Manual, revision 2, dated October 1998. The inspection of the rear spar area on both wings is required at intervals of 50 hours TIS.

Compliance: At the next 50 hour inspection and thereafter at intervals not to exceed 50 hours TIS.

Effective Date: 29 April 2021