Airworthiness Directive Schedule

Aeroplanes

NZ Aerospace Airtourer Series

26 October 2000

The date above indicates the amendment date of this schedule.
New or amended ADs are shown with an asterisk *

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Requirement: Victa SB 3
Compliance: Next periodic inspection
Effective Date: 30 April 1964

DCA/VIC/102   Rudder Pedal Bearing Blocks - Modification
Applicability: Model 100 S/N 1 through 15
Requirement: Victa SB 4
Compliance: Before next flight
Effective Date: 30 April 1964

DCA/VIC/103   Tailplane and Elevator Bolts - Wire Locking
Applicability: Model 100 & 115 S/N 1 through 15
Requirement: Victa SB 5
Compliance: Within the next 100 hours TIS
Effective Date: 30 April 1964

DCA/VIC/104   Control Column Torque Tube Bearing Spigots - Modification
Applicability: Model 100 & 115 S/N 1 through 16
Requirement: Victa SB 6
Compliance: Within the next 100 hours TIS
Effective Date: 30 April 1964

DCA/VIC/105   Throttle Control - Modification
Applicability: All model 100 & 115 not incorporating Mod. B7
Requirement: Victa SB 7
Compliance: Within the next 100 hours TIS
Effective Date: 30 April 1964

DCA/VIC/106   Tailplane Lower Shroud - Modification
Applicability: Model 100 & 115 S/N 1 through 13
Requirement: Victa SB 8
Compliance: Within the next 100 hours TIS
Effective Date: 30 April 1964

DCA/VIC/107   Elevator and Rudder Bellcrank Assemblies - Modification
Applicability: Model 100 & 115 S/N 1 through 14
Requirement: Victa SB 9
Compliance: Before next flight
Effective Date: 30 April 1964
DCA/VIC/108  Tailplane to Fuselage Attachments - Modification
Applicability: Model 100 & 115 S/N 1 through 27
Requirement: Victa SB 13
Compliance: Within the next 100 hours TIS
Effective Date: 30 April 1964

DCA/VIC/109  Rudder Cable Fairleads Deletion - Modification
Applicability: All model 100 & 115 not incorporating Mod. B73
Requirement: Victa SB 17
Compliance: Within the next 25 hours TIS
Effective Date: 30 April 1964

DCA/VIC/110  Cancelled: Information now in maintenance manual

DCA/VIC/111  Venturi Repositioning - Modification
Applicability: All model 100 not incorporating Mod. B82
Requirement: Victa SB 23
Compliance: Next periodic inspection
Effective Date: 30 April 1964

DCA/VIC/112  Flexible Fuel Line, Attachment Clips - Modification
Applicability: All model 100
Requirement: Replace all plastic clips which support flexible fuel lines in the engine compartment with suitable metal clips
Compliance: Within the next 50 hours TIS
Effective Date: 30 April 1964

DCA/VIC/113  Stall Warning Indicator - Modification
Applicability: All model 100 & 115 not incorporating Mod. B47
Requirement: Victa SB 25
Compliance: Within the next 25 hours TIS
Effective Date: 30 April 1964

DCA/VIC/114  Fuel Tank Vent - Modification
Applicability: All model 100 & 115 not incorporating Mod. B104
Requirement: Victa SB 28
Compliance: Within the next 25 hours TIS
Effective Date: 30 April 1964
DCA/VIC/116  Elevator Stops on Torque Shaft - Modification  
Applicability: All model 100 & 115 not incorporating Mod. B87  
Requirement: Victa SB 30  
Compliance: Within the next 25 hours TIS  
Effective Date: 30 September 1964

DCA/VIC/117  Elevator Centre Hinge - Modification  
Applicability: All model 100 & 115 not incorporating Mod. B99  
Requirement: Victa SB 31  
Compliance: Within the next 25 hours TIS  
Effective Date: 30 September 1964

DCA/VIC/118  Throttle Rod - Modification  
Applicability: All model 100 & 115 not incorporating Mod. B164  
Requirement: Victa SB 39  
Compliance: Within the next 25 hours TIS  
Effective Date: 30 September 1964

DCA/VIC/119  Fuel Cap - Modification  
Applicability: All model 100 & 115 not incorporating Mod. B100  
Requirement: Victa SB 32  
Compliance: Within the next 25 hours TIS  
Effective Date: 30 September 1964

DCA/VIC/120  Oil Temperature Bulb Adaptor - Modification  
Applicability: Model 100 & 115 S/N 1 through 51  
Requirement: Victa SB 37  
Compliance: Within the next 100 hours TIS  
Effective Date: 30 September 1964

DCA/VIC/121  Battery Relay - Modification  
Applicability: All model 100 & 115 not incorporating Mod. B167  
Requirement: Victa SB 43  
Compliance: Within the next 100 hours TIS  
Effective Date: 31 March 1965

DCA/VIC/122  Exhaust Muffler Inner Casing - Replacement  
Applicability: All model 115 not incorporating Mod. B161  
Requirement: Victa SB 42  
Compliance: Within the next 10 hours TIS  
Effective Date: 31 March 1965
DCA/VIC/123  Fuel Tank Retention Buttons - Modification
Applicability:  Model 100 & 115 S/N 1 through 75 not incorporating Mod. B184
Requirement:  Victa SB 44
Compliance:  Within the next 25 hours TIS
Effective Date:  31 March 1965

DCA/VIC/124  Cancelled: No longer applicable

DCA/VIC/126  Fuel Filter Cooling Shroud - Modification
Applicability:  All model 100 & 115 not incorporating Mod. B216
Requirement:  Victa SB 52
Compliance:  Next periodic inspection
Effective Date:  31 March 1965

DCA/VIC/127  Carbon Monoxide Contamination - Modification
Applicability:  All model 100 & 115 not incorporating Mods B117, B124 & B132
Requirement:  Victa SB 45
Compliance:  Within the next 10 hours TIS
Effective Date:  31 January 1966

DCA/VIC/128  Cancelled: Information now in maintenance manual

DCA/VIC/129  Cancelled: Purpose fulfilled

DCA/VIC/130  Cancelled: Purpose fulfilled

DCA/VIC/131  Cancelled: Purpose fulfilled

DCA/VIC/133  Cancelled: Purpose fulfilled

DCA/VIC/134  Aileron Mass Balance Attachment - Inspection
Applicability:  Model 115 S/N 5 through 49 not incorporating mods B75 & B118
Requirement:  Victa SB 18
Compliance:  Every periodic inspection
Effective Date:  30 April 1964

DCA/VIC/135  Cancelled: Once only inspection, purpose fulfilled

DCA/VIC/136  Cancelled: Once only inspection, purpose fulfilled

DCA/VIC/137  Cancelled: DCA/VIC/127 refers
DCA/VIC/139  Centre Flap Spar - Inspection
Applicability:  All model 100 & 115 not incorporating Mod. B141
Requirement:  Inspect the centre flap spar in the region of the actuating bracket P/N 16015/1 for cracking. If cracking is found repair in accordance with an approved scheme before further flight
Compliance:  At 500 hours TIS and thereafter at intervals not exceeding 100 hours TIS
Effective Date:  30 September 1964

DCA/VIC/141  Nosewheel Steering Rod - Inspection
Applicability:  All model 100 & 115 prior to S/N 108 not incorporating Mod. B209
Requirement:  Victa SB 49
Compliance:  At intervals not exceeding 100 hours TIS
Effective Date:  31 March 1965

DCA/VIC/142  Cancelled: DCA/VIC/112 refers

DCA/VIC/143  Cancelled: Purpose fulfilled

DCA/VIC/144  Cancelled: DCA/VIC/149 refers

DCA/VIC/145  Rear Fuselage, Lower Skin Seams - Sealing
Applicability:  All model 100 & 115 S/N 1 through 110
Requirement:  Victa SB 55
Compliance:  Next periodic inspection
Effective Date:  31 January 1966

DCA/VIC/146  Cancelled: Information now in maintenance manual

DCA/VIC/147  See DCA/AES-AT/7

DCA/VIC/148  Elevator Control Stops - Modification
Applicability:  All model 100 & 115 not incorporating Mod. B270
Requirement:  CAD modification AWD 15
Compliance:  By 30 June 1966

DCA/VIC/149  Nose Leg Strut - Modification
Applicability:  All model 100 & 115 not incorporating Mod. B206
Requirement:  Victa SB 48 Issue 3
Compliance:  Not later than 500 hours TTIS
Effective Date:  30 April 1967
DCA/VIC/150  Wing Walkway - Modification  
Applicability:  All model 100 & 115 not incorporating Mod. B272  
Requirement:  Victa SB 64  
Compliance:  Within the next 25 hours TIS  
Effective Date:  30 April 1967

DCA/VIC/151  Cancelled DCA/VIC/148 refers

DCA/VIC/152  Crankcase Breather, Aerobatic Oil Trap - Modification  
Applicability:  All model 115 with Mod. B199 incorporated  
Requirement:  Victa SB 63  
Compliance:  Within the next 50 hours TIS  
Effective Date:  30 April 1967

DCA/VIC/153  Control Column Torque Tube Bearing Spigot - Inspection  
Applicability:  All model 100 & 115 not incorporating Mod. B165  
Requirement:  Defects have been reported in which the rivets attaching the rear boss for the torque tube bearing spigot P/N 31723/1 to the rear face of the control column housing assembly P/N 31710/1 were found to be loose. Inspect as follows:  
The five 1/8" Avdel rivets which attach the spigot boss to the housing are to be inspected for security, and if found loose, are to be replaced with suitable 3/16" diameter solid rivets  
Compliance:  At intervals not exceeding 100 hours TIS  
Effective Date:  30 April 1967

DCA/VIC/154  Safety Harness, Upper Attachment - Modification  
Applicability:  All model 100 & 115  
Requirement:  Victa SB 65  
Compliance:  Within the next 50 hours TIS  
Effective Date:  30 November 1968

DCA/VIC/155B  See DCA/AES-AT/14A

DCA/VIC/156  Elevator Trim Adjustment Segment - Inspection  
Applicability:  All model 115  
Requirement:  Inspect the elevator trim adjustment segment P/N 52528/2 on the trim tab lever assembly for wear or damage to the locking teeth  
Compliance:  At intervals not exceeding 100 hours TIS until modified in accordance with Victa SB 61  
Effective Date:  30 November 1968
DCA/VIC/157  Cancelled: DCA/VIC/156 refers

DCA/VIC/158  Cancelled: Purpose fulfilled

DCA/VIC/159  See DCA/AES-AT/3

DCA/VIC/160  Cancelled: Once only inspection, purpose fulfilled

DCA/VIC/161  Main Undercarriage Inner Attachment - Rework
   Applicability: All model 100 & 115 not incorporating Mod. B268
   Requirement: Victa SB 62
   Compliance: By 1 March 1969

DCA/VIC/162  Cancelled: Once only inspection, purpose fulfilled

DCA/VIC/163A See DCA/AES-AT/17A

DCA/VIC/164 See DCA/AES-AT/16

DCA/VIC/165 See DCA/AES-AT/18

DCA/VIC/166  Cancelled: Once only inspection, purpose fulfilled

DCA/VIC/167 See DCA/AES-AT/25

DCA/VIC/168 See DCA/AES-AT/26

DCA/VIC/169 See DCA/AES-AT/23

DCA/VIC/170  Cancelled: Once only inspection, purpose fulfilled

DCA/AES-AT/1  Cancelled: Purpose fulfilled

DCA/AES-AT/2  Cancelled: Once only inspection, purpose fulfilled
DCA/AES-AT/3  Nose Wheel Steering Arm and Push Rod Assembly - Inspection
(or DCA/VIC/159)

Applicability: All model 100, 115, and T3A

Requirement: 1. The riveted joint consisting of four 5/32 in. rivets in the steering arm assembly P/N 62011/1 is to be inspected for looseness or signs of rivet working.

2. The shank of the rod end P/N 52053/1 is to be inspected for signs of cracking or bending at or near the plug end of the push rod assembly P/N 62047/1 in particular where the shank is threaded.

3. Defective parts discovered by these inspections are to be renewed and all cases reported to the Director.

Compliance: Daily but the inspection detailed in para 2 of the supplement may be discontinued following compliance with AESL SB 011

Effective Date: 30 November 1968

DCA/AES-AT/5  Cancelled: Once only inspection, purpose fulfilled

DCA/AES-AT/6  Cancelled: Once only inspection, purpose fulfilled

DCA/AES-AT/7  Main Undercarriage Attachment Bolts - Replacement

Applicability: All models

Requirement: NZ Aerospace Airtourer SB 031 for all models except T6; SB 032 for T6 series

Compliance: At intervals not exceeding 500 hours TIS

Effective Date: 30 November 1968

DCA/AES-AT/8  Cancelled: Purpose fulfilled

DCA/AES-AT/9  Cancelled: Purpose fulfilled

DCA/AES-AT/10 Cancelled: Purpose fulfilled

DCA/AES-AT/11 Cancelled: Purpose fulfilled

DCA/AES-AT/12 Cancelled: Purpose fulfilled

DCA/AES-AT/13 Cancelled: Once only inspection, purpose fulfilled
DCA/AES-AT/14A  Wing Rear Spar Attachment Fittings - Inspection
(or DCA/VIC/155B)
Applicability: All models
Requirement: Remove wing and proceed as follows:
1. Inspect the rear wing to fuselage attachment bolts for corrosion and wear.
2. Inspect the lower fuselage longerons at the rear wing attachment points for elongation of bolt holes, cracks and corrosion.
3. (a) Remove the steel bushes from the wing attachment fittings P/N 10009-1, -2, -3, -4 or 02-90206-1 and -2 and inspect all surfaces of the fittings in the area of the steel bush locations for cracks, using an approved Dye penetrant method.
   (b) Check bush holes for elongation.
Compliance: At intervals not exceeding 1000 hours TIS until NZ Aerospace SB 033 is incorporated and thereafter at intervals not exceeding 4000 hours TIS
Effective Date: 31 January 1972

DCA/AES-AT/15  Cancelled: Once only inspection, purpose fulfilled

DCA/AES-AT/16  Fuel Contents Dipstick - Modification
(or DCA/VIC/164)
Applicability: All aircraft except S/N A526, A536, A538, A542 and subsequent or those which incorporate Mod. AES/AT/1012 (AESL SB 012 refers)
Requirement: AESL SB 010
Compliance: Next periodic inspection
Effective Date: 30 April 1971

DCA/AES-AT/17A  Fuel Tank - Inspection
(or DCA/VIC/163A)
Applicability: All aircraft fitted with fuel tanks S/N 86, 133, 156, 192, 194, 202 or 228
Requirement: Fuel tanks shall be inspected for security of the bonding of the tunnels to the tank upper surface. Any tank found defective is to be repaired by an approved method or replaced with a serviceable tank before further flight.
Compliance: At intervals not exceeding 500 hours TIS
Effective Date: 31 October 1970
DCA/AES-AT/18 Wing Ribs - Inspection
(or DCA/VIC/165)

Applicability: All aircraft except those incorporating AESL SB 019 and S/N B542, B546, B552, B553, B555, B557 and subsequent

Requirement: The walkway top skin is to be removed sufficiently for the wing ribs P/N 10217/1 and /2 and 10219/1 and /2 to be inspected for cracks. Particular attention should be paid to the lower flange to web radius in the vicinity of the attachment points for the landing gear legs.

NZCAR Part III Leaflets B32-1/1, B32-1/2, B32-1/4, B32-1/7, B32-1/8, B32-2, B32-3, B32-5, B38-1/3, B38-1/6, B38-1/7, B38-1/9, and B38-1/10 are hereby cancelled

Compliance: At 3500 hours TIS, or not later than next periodic inspection for aircraft which have exceeded 3500 hours TIS. Thereafter at intervals not exceeding 3500 hours TIS

Effective Date: 30 April 1971

DCA/AES-AT/19 Service Lines - Fire Protection - Modification

Applicability: All model T6 prior to S/N B557

Requirement: AESL SB 016

Compliance: Next periodic inspection

Effective Date: 31 July 1971

DCA/AES-AT/20 Fuel Filter Bowl - Water Drain Cock - Modification

Applicability: All model T6 prior to S/N B558

Requirement: AESL SB 017

Compliance: Next periodic inspection

Effective Date: 31 July 1971

DCA/AES-AT/21 Rudder Bar Links Bearings - Modification

Applicability: All model T6 prior to B561

Requirement: AESL SB 021

Compliance: Next periodic inspection

Effective Date: 31 July 1971

DCA/AES-AT/22 Fuel Contents Indicating System - Modification

Applicability: Model T6 S/N B542, B546, B552, B553 & B557

Requirement: AESL SB 023 and 024

Compliance: Next periodic inspection

Effective Date: 31 July 1971
### DCA/AES-AT/23  Brake Torque Tube - Modification
(or DCA/VIC/169)

**Applicability:** All aircraft prior to S/N B570  
**Requirement:** AESL SB 025  
**Compliance:** By 31 October 1971

### DCA/AES-AT/25  Exhaust Muffler Casing - Modification
(or DCA/VIC/167)

**Applicability:** All models except 100 series  
**Requirement:** AESL SB 027  
**Compliance:** Next periodic inspection  
**Effective Date:** 31 January 1972

### DCA/AES-AT/26  Rudder Stop Peg - Modification
(or DCA/VIC/168)

**Applicability:** All aircraft prior to S/N B576  
**Requirement:** AESL SB 029  
**Compliance:** Within the next 100 hours TIS

### DCA/AES-AT/27  Cancelled: Once only inspection, purpose fulfilled

### DCA/AT/28  Canopy Third Rail Doubler Channel - Modification

**Applicability:** All models  
**Requirement:** NZ Aerospace Airtourer SB 034  
**Compliance:** By 31 August 1975

### DCA/AT/29  Elevator Centre Rib Structure - Modification

**Applicability:** All models  
**Requirement:** NZ Aerospace Airtourer SB 038  
**Compliance:** Within the next 100 hours TIS  
**Effective Date:** 30 September 1975
* DCA/AT/30A  
**Control Column Waggler - Inspection and Modification**

**Applicability:** All Victa and AESL Airtourer series except T6.

**Requirement:** To prevent failure of the flight control system, accomplish the following:-

1. Visually inspect waggler (P/N 52115) attachment arms for cracks per Section 2 of Edge Aviation SB EA-AT-2000/001 Issue 1. Repair or replace any wagglers found cracked, before further flight.

2. Modify per Section 3 of Edge Aviation SB EA-AT-2000/001 Issue 1.

**Note:** Modified wagglers have double the thickness of the outer faces of the side attachment arms by the addition of welded doublers. Total thickness of the side attachment arms of modified wagglers should be approximately 0.098" (2.49mm). Modified wagglers meet requirement 2 of this AD.

**Compliance:**

1. Within next 50 hours TIS and thereafter at intervals not exceeding 100 hours TIS until modified.


**Effective Date:**

DCA/AT/30 - 29 May 1981
DCA/AT/30A - 26 October 2000

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DCA/AT/31A  
**Fatigue Critical Components - Retirement**

**Applicability:** All model Victa and NZAIL Airtourer

**Requirement:** Retire the following critical components at 17200 hours TTIS:

1. Wing main spar lower cap assembly and wing front attachment spigot fittings.

2. Tailplane rear spar assembly and tailplane to fuselage attachment fittings

**Note 1.** Aircraft fitted with wing main spar reinforcement per drawing 90014 are subject to this requirement which shall include retirement of the lower reinforcement strap assembly.

**Note 2.** Aircraft engaged in competition or display aerobatics as defined in Note 3 below, or in practice for such aerobatics, shall be required to have the flight time so engaged factored as follows: Time engaged in such aerobatic manoeuvres shall be multiplied by a factor of twenty (20) when assessing the total time for structural life limitation purposes. The time so engaged shall be taken as the time from commencement until time of completion of the manoeuvres or sequence of manoeuvres.

**Note 3.** Competition or display aerobatics are defined as those manoeuvres which result in consistent high loads being placed on the airframe. Manoeuvres such as Lomcevaks, snap rolls, outside loops, square loops, spins (high exit speed) etc are included within this definition. The more usual training or pleasure aerobatics, provided that they are only flown occasionally do not attract the factor of 20 referred to in Note 2 above.

**Note 4.** Competition aerobatic time not previously recorded shall be conservatively estimated from the known history of the particular aircraft.

**Note 5.** This life limitation is based on measured stress and flight loads data, and may be subject to review on the basis of future measurements.

**Effective Date:**

DCA/AT/31 - 10 September 1982
DCA/AT/31A - 27 July 1984
DCA/AT/32 Flapperon Operating Lever Installation - Inspection

Applicability: All model Victa and NZAIL Airtourer

Requirement: As result of overseas reports of corrosion and cracking in lever and attachment box section, accomplish the following:

Remove flapperon operating lever assembly P/Ns 16025/1 and 16025/2 and inspect lever attachment box sections and operating levers for evidence of corrosion and cracking. Renew or rectify defective parts before further flight.

Alternatively, inspection may be accomplished without disassembly if inspection holes per an approved modification are embodied.

Compliance: Within the next 100 hours TIS and thereafter at intervals not exceeding 3 years

Effective Date: 27 July 1984