

# Airworthiness Directive Schedule

## Aeroplanes

### NZ Aerospace Airtourer Series

26 October 2000

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The date above indicates the amendment date of this schedule.

New or amended ADs are shown with an asterisk \*

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- DCA/VIC/101      Nose Leg Shear Web Attach Angles - Modification**  
**Applicability:** Model 100 S/N 1 through 8  
**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

<b>DCA/VIC/123</b>	<b>Fuel Tank Retention Buttons - Modification</b>
<b>Applicability:</b>	Model 100 & 115 S/N 1 through 75 not incorporating Mod. B184
<b>Requirement:</b>	Victa SB 44
<b>Compliance:</b>	Within the next 25 hours TIS
<b>Effective Date:</b>	31 March 1965
<b>DCA/VIC/124</b>	<b>Cancelled: No longer applicable</b>
<b>DCA/VIC/126</b>	<b>Fuel Filter Cooling Shroud - Modification</b>
<b>Applicability:</b>	All model 100 & 115 not incorporating Mod. B216
<b>Requirement:</b>	Victa SB 52
<b>Compliance:</b>	Next periodic inspection
<b>Effective Date:</b>	31 March 1965
<b>DCA/VIC/127</b>	<b>Carbon Monoxide Contamination - Modification</b>
<b>Applicability:</b>	All model 100 & 115 not incorporating Mods B117, B124 & B132
<b>Requirement:</b>	Victa SB 45
<b>Compliance:</b>	Within the next 10 hours TIS
<b>Effective Date:</b>	31 January 1966
<b>DCA/VIC/128</b>	<b>Cancelled: Information now in maintenance manual</b>
<b>DCA/VIC/129</b>	<b>Cancelled: Purpose fulfilled</b>
<b>DCA/VIC/130</b>	<b>Cancelled: Purpose fulfilled</b>
<b>DCA/VIC/131</b>	<b>Cancelled: Purpose fulfilled</b>
<b>DCA/VIC/133</b>	<b>Cancelled: Purpose fulfilled</b>
<b>DCA/VIC/134</b>	<b>Aileron Mass Balance Attachment - Inspection</b>
<b>Applicability:</b>	Model 115 S/N 5 through 49 not incorporating mods B75 & B118
<b>Requirement:</b>	Victa SB 18
<b>Compliance:</b>	Every periodic inspection
<b>Effective Date:</b>	30 April 1964
<b>DCA/VIC/135</b>	<b>Cancelled: Once only inspection, purpose fulfilled</b>
<b>DCA/VIC/136</b>	<b>Cancelled: Once only inspection, purpose fulfilled</b>
<b>DCA/VIC/137</b>	<b>Cancelled: DCA/VIC/127 refers</b>

- 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

<b>DCA/VIC/157</b>	<b>Cancelled: DCA/VIC/156 refers</b>
<b>DCA/VIC/158</b>	<b>Cancelled: Purpose fulfilled</b>
<b>DCA/VIC/159</b>	<b>See DCA/AES-AT/3</b>
<b>DCA/VIC/160</b>	<b>Cancelled: Once only inspection, purpose fulfilled</b>
<b>DCA/VIC/161</b>	<b>Main Undercarriage Inner Attachment - Rework</b>
<b>Applicability:</b>	All model 100 & 115 not incorporating Mod. B268
<b>Requirement:</b>	Victa SB 62
<b>Compliance:</b>	By 1 March 1969
<b>DCA/VIC/162</b>	<b>Cancelled: Once only inspection, purpose fulfilled</b>
<b>DCA/VIC/163A</b>	<b>See DCA/AES-AT/17A</b>
<b>DCA/VIC/164</b>	<b>See DCA/AES-AT/16</b>
<b>DCA/VIC/165</b>	<b>See DCA/AES-AT/18</b>
<b>DCA/VIC/166</b>	<b>Cancelled: Once only inspection, purpose fulfilled</b>
<b>DCA/VIC/167</b>	<b>See DCA/AES-AT/25</b>
<b>DCA/VIC/168</b>	<b>See DCA/AES-AT/26</b>
<b>DCA/VIC/169</b>	<b>See DCA/AES-AT/23</b>
<b>DCA/VIC/170</b>	<b>Cancelled: Once only inspection, purpose fulfilled</b>
<b>DCA/AES-AT/1</b>	<b>Cancelled: Purpose fulfilled</b>
<b>DCA/AES-AT/2</b>	<b>Cancelled: Once only inspection, purpose fulfilled</b>

- 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  $\frac{5}{32}$  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.
2. By 26 October 2001.

**Effective Date:** DCA/AT/30 - 29 May 1981  
DCA/AT/30A - 26 October 2000**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