

Airworthiness Directive Schedule

Aeroplanes

Erco 415-D (Ercoupe)

31 January 2013

- Notes**
1. This AD schedule is applicable to Erco 415-D series (Ercoupe) aircraft manufactured by Univair Aircraft Corporation under Federal Aviation Administration (FAA) Type Certificate No. A-787.
 2. The Federal Aviation Administration (FAA) is the National Airworthiness Authority (NAA) responsible for the issue of State of Design Airworthiness Directives (ADs) for Erco 415-D (Ercoupe) aircraft. State of Design ADs applicable to Erco 415-D (Ercoupe) aircraft can be obtained directly from the FAA web site. The link to the FAA web site is available on the CAA web site at http://www.caa.govt.nz/Airworthiness_Directives/states_of_design.html
 3. The date above indicates the amendment date of this schedule.
 4. New or amended ADs are shown with an asterisk *
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From 1 October 2012 the Civil Aviation Authority of New Zealand (CAA) will no longer rewrite the text of State of Design ADs. Applicable State of Design ADs will be listed below and can be obtained directly from the National Airworthiness Authority (NAA) web site. The link to the NAA web site is available on the CAA web site at http://www.caa.govt.nz/Airworthiness_Directives/states_of_design.html If additional NZ ADs need to be issued when an unsafe condition is found to exist in an aircraft or aeronautical product in NZ they will be added to the list below.....		
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DCA/ERCOUPE/1A Airworthiness Directive Compliance

Applicability: Model 415-D aircraft, all S/N.

Note 1: DCA/ERCOUPE/1A revised to include all those FAA ADs applicable to the Erco 415-D (Ercoupe) aircraft which have no recurring requirements. Compliance with each individual FAA AD is required before issue of a New Zealand Certificate of Airworthiness, or at the next ARA inspection after the effective date of this AD whichever is the sooner, unless previously accomplished.

Requirement: Compliance with the following FAA Airworthiness Directives (as applicable) are required:

FAA AD:	Subject:
1946-23-01	Muffler Replacement
1946-23-02	Engine Breather Line Hose
1946-23-03	Aileron Cable Column Fitting
1946-38-02	Aileron Control Stop
1946-46-01	Fuselage Gas Tank Overflow Line
1946-49-01	Nose Wheel Replacement
1947-20-04	Baggage Compartment Zipper
1947-20-05	Belly Skin Reereinforcement
1947-20-06	Aileron Reinforcement
1947-20-08	Battery Box Drain
1947-42-20	Control Column Shaft
1950 07-01	Elevator Trim Tab Stop
1960-09-02	Nose Gear Bolts
1967-06-03	Rudder Bellcrank
2002-16-04	Fuel Line Fittings and Gasalator

Note 2: Each part of this AD (each individual FAA AD) shall be certified in the aircraft log book separately.

Note 3: A copy of the FAA ADs are available on the Federal Aviation Administration (FAA) web site at http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgAD.nsf/MainFrame?OpenFrameSet

Compliance: Before issue of a New Zealand Certificate of Airworthiness, or at the next ARA inspection after the effective date of this AD whichever is the sooner, unless previously accomplished.

Effective Date: DCA/ERCOUPE/1 - 12 May 1995
DCA/ERCOUPE/1A - 26 November 2009

DCA/ERCOUPE/2A Outer Wing Panel - Modification and Inspection

Applicability: All model 415-C, 415-CD, 415-D, 415-E and 415-G aircraft.

Requirement: To prevent wing damage caused by a corroded wing outer panel structural component, which, if not detected and corrected, could progress to the point of structural failure, accomplish the following:

Install inspection openings in the outer wing panels and inspect the wing outer panel internal structural components for corrosion and unrepaired corrosion damage per Univair SB 29 Rev B or Rev C and Advisory Circular 43-4A, Corrosion Control for Aircraft.

If corrosion or corrosion damage is found repair or replace components of the wing outer panel structure per Univair SB 29 Rev B, or Rev C, the applicable maintenance manual and Advisory Circular 43-4A.

(FAA AD 2003-21-01 refers)

Compliance: Installation of inspection openings and initial inspection per DCA/ERCOUPE/2 were required by 12 May 1996.

Repetitive inspection is required by 1 June 2004, and thereafter inspect at intervals not to exceed 12 months.

Effective Date: DCA/ERCOUPE/2 – 12 May 1995
DCA/ERCOUPE/2A – 28 November 2003

DCA/ERCOUPE/3 Wing Centre Section Corrosion - Inspection

Applicability: All model 415-C, 415-CD, 415-D, 415-E and 415-G aircraft.

Requirement: To detect and correct corrosion in the wing center section which could result in failure of the wing center section structure during flight, accomplish the following:

1. Inspect the wing center section for corrosion damage by accomplishing one of the following:
 - a. Install inspection openings to gain access to the wing walkway box structure and inspect the wing center structure for corrosion or corrosion damage or,
 - b. Use a scope and light source, e.g., fiberscope borescope or an endoscope to inspect the wing center structure for corrosion or corrosion damage or,
 - c. Remove the outer wing panels to gain visual access to the wing walkway box structure for corrosion or corrosion damage.
2. If corrosion or corrosion damage is found during any inspection required in paragraph 1 of this AD, repair or replace damaged components of the wing center section.
3. If inspection openings are installed in accordance with paragraph 1.a. of this AD, install cover plate assemblies.

(FAA AD 2002-26-02 refers)

- Compliance:**
1. Within the next 12 calendar months and thereafter at intervals not to exceed 3 years.
 2. Before further flight after any inspection in which the corrosion or corrosion damage is found.
 3. Before further flight after each inspection or repair required in paragraphs 1 and 2 of this AD.

Effective Date: 27 March 2003

DCA/ERCOUPE/4 Fuel Pump Line – Inspection and Modification

Applicability: Model 415 series aircraft, S/N all through 3642 fitted with a fuel pump with a metal filter bowl and Bearing AC P/N 1539076 on the pump mounting flange.

Requirement: To prevent fuel leaks and failure of the fuel lines, accomplish the requirements specified in FAA AD 1947-20-03.

Note 1: A copy of the FAA AD is available on the Federal Aviation Administration (FAA) web site at http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgAD.nsf/MainFrame?OpenFrameSet

Note 2: Erco Service Department Memorandum No. 42 dated 9 January 1947 pertains to the subject of this AD.

(FAA AD 47-20-03 refers)

Compliance: At the initial threshold specified in FAA AD 47-20-03 unless previously accomplished, and thereafter at intervals not to exceed those specified in the FAA AD.

Effective Date: 26 November 2009

DCA/ERCOUPE/5 Voltage Regulator – Inspection

Applicability: Model 415-C, 415-CD and 415-D aircraft, all S/N.

Requirement: To prevent battery failure and electrical system malfunction, accomplish the requirements specified in FAA AD 1947-20-09.

Note 1: A copy of the FAA AD is available on the Federal Aviation Administration (FAA) web site at http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgAD.nsf/MainFrame?OpenFrameSet

Note 2: Erco Service Department Memorandum No. 23 pertains to the subject of this AD.
(FAA AD 47-20-09 refers)

Compliance: At the initial threshold specified in FAA AD 47-20-09 unless previously accomplished, and thereafter at intervals not to exceed those specified in the FAA AD.

Effective Date: 26 November 2009

DCA/ERCOUPE/6 Cancelled – DCA/ERCOUPE/12 refers

Effective Date: 3 October 2012

DCA/ERCOUPE/7 Control Cables – Inspection and Modification

Applicability: Model 415 series aircraft, all S/N, and model E and G aircraft, all S/N

Requirement: To prevent control cable failure, accomplish the requirements specified in FAA AD 1954-26-02.

Note 1: A copy of the FAA AD is available on the Federal Aviation Administration (FAA) web site at http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgAD.nsf/MainFrame?OpenFrameSet

Note 2: Ercoupe Service Department Bulletin No. 13 and Ercoupe Service Department Memorandum No. 35 pertains to the subject of this AD.
(FAA AD 54-26-02 refers)

Compliance: At the initial threshold specified in FAA AD 54-26-02 unless previously accomplished, and thereafter at intervals not to exceed those specified in the FAA AD.

Effective Date: 26 November 2009

DCA/ERCOUPE/8 Terneplate Fuel Tank – Inspection and Replacement

- Applicability:** Model 415-C, 415-CD and 415-D aircraft, S/N 113 through to 2622.
- Requirement:** To prevent failure of the fuel tanks, accomplish the requirements specified in FAA AD 1955-22-02.
- Note 1:** A copy of the FAA AD is available on the Federal Aviation Administration (FAA) web site at http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgAD.nsf/MainFrame?OpenFrameSet
- Note 2:** Erco Service Department Bulletin No. 10 and 10A, and Memorandums No. 31 and 43 pertains to the subject of this AD.
(FAA AD 55-22-02 refers)
- Compliance:** At the initial threshold specified in FAA AD 55-22-02 unless previously accomplished, and thereafter at intervals not to exceed those specified in the FAA AD.
- Effective Date:** 26 November 2009

DCA/ERCOUPE/9 Rudder Horn Attachment – Inspection

- Applicability:** Model 415-C, 415-CD, 415-D, E, G and F-1 aircraft, all S/N.
- Requirement:** To prevent failure of the rudder horn attachments, accomplish the requirements specified in FAA AD 1957-02-01.
- Note 1:** A copy of the FAA AD is available on the Federal Aviation Administration (FAA) web site at http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgAD.nsf/MainFrame?OpenFrameSet
- Note 2:** Erco Service Bulletin No. 25 dated 31 July 1953 pertains to the subject of this AD.
(FAA AD 57-02-01 refers)
- Compliance:** At the initial threshold specified in FAA AD 57-02-01 unless previously accomplished, and thereafter at intervals not to exceed those specified in the FAA AD.
- Effective Date:** 26 November 2009

DCA/ERCOUPE/10 Rear Spar Reinforcement – Inspection and Modification

- Applicability:** Model 415-C, 415-CD, 415-D, E and G aircraft, all S/N.
- Requirement:** To prevent failure of the rear spar, accomplish the requirements specified in FAA AD 1959-05-04.
- Note 1:** A copy of the FAA AD is available on the Federal Aviation Administration (FAA) web site at http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgAD.nsf/MainFrame?OpenFrameSet

Note 2: Erco Service Memorandum 53A pertains to the subject of this AD.
(FAA AD 59-05-04 refers)

Compliance: At the initial threshold specified in FAA AD 59-05-04 unless previously accomplished, and thereafter at intervals not to exceed those specified in the FAA AD.

Effective Date: 26 November 2009

DCA/ERCOUPE/11 Rudder Reinforcement – Inspection and Modification

Applicability: Model 415 series aircraft, S/N all through 3335.

Requirement: To prevent failure of the rudder main rib and control horn, accomplish the requirements specified in FAA AD 1959-25-05.

Note 1: A copy of the FAA AD is available on the Federal Aviation Administration (FAA) web site at http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgAD.nsf/MainFrame?OpenFrameSet

Note 2: Erco Service Bulletin 105 pertains to the subject of this AD.
(FAA AD 59-25-05 refers)

Compliance: At the initial threshold specified in FAA AD 59-25-05 unless previously accomplished, and thereafter at intervals not to exceed those specified in the FAA AD.

Effective Date: 26 November 2009

*** DCA/ERCOUPE/12 Cancelled – FAA AD 2012-08-06 refers**

Effective Date: 13 November 2012

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* **2012-08-06** **Ailerons – Identification and Replacement**

Effective Date: Original - 3 October 2012
 Correction - 13 November 2012