



*Service Bulletin*

SB No: ADxC-28-SB-001  
 Issue: A  
 Date: 30-Nov-2010

**Affected parts/products  
 EASA.A.019 D4 Fascination**

**1.) Applicability:**

All serial numbers of D4 Fascination type produced/equipped with 'Cohline 2134' fuel hoses.


This service bulletin must be implemented in all affected products/aircraft and is considered mandatory. If not implemented, the product/aircraft may lose its airworthiness status and eventual warranties become invalid.

**2.) Planning information**

2.1) Parts/Products affected:	WD4-55-001 Fuel System, all fuel hoses 'Cohline 2134',
2.2) Concurrent SB:	None
2.3) Reason:	Change in regulations has made it possible for automotive fuels to contain levels of ethanol. The usage of this type of fuel can influence the service life of the fuel hoses.
2.4) Subject:	The parts mentioned under 2.1 must be inspected annually. In case of any non-conformity finding, contact must be sought with AD&C. The required inspection is described in section 4.
2.5) Effective date:	01.12.2010
2.6) Compliance time :	In next 3 months: Inspection of fuel hoses according point 4); result documented in log book. At any annual inspection after effective date: Inspection of fuel hoses according point 4); documented in log book. - <b>Contact with AD&amp;C when finding occurs.</b> -
2.7) Statement:	The documentation has been prepared in accordance with an alternative procedure to DOA.
2.8) Manpower:	1 hour
2.9) Mass data:	N.A.
2.10) Electrical load data:	N.A.
2.11) Software accomplishment summary:	N.A.
2.12) References:	Maintenance manual WD4-MM-E, 26-Feb-2007
2.13) Other publications effected:	N/A

**3.) Material information**

3.1) Material- cost - availability:	N/A
3.2) Company support information:	Drawing WD4-55-001 issue 8
3.3) Material requirements per aircraft:	N/A
3.4) Rework parts:	N/A
3.5) Special tooling:	Steel ball 5mm and 4.5mm

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<b>4.) Accomplishment/Instructions</b>
<p>The inspection has to cover all flexible fuel lines, both up- and downstream of the firewall between fuel cell and carburettors.</p> <p>The fuel hoses from the 5-point junction to the carburettors and the line from the mechanical pump outlet to the steel tubing are 7.0*13.0 size, all others are 7.5*13.5 size.</p> <p>The inspection consists of a visual inspection for general condition and local manual compression of the hoses while watching the external for cracks, the flexibility, and potential internal sticking which is a sign for rubber compound degradation.</p> <p>The hoses located in the engine compartment are fire sleeve covered, the sleeve must be pushed back adequately for the inspection.</p> <p>A representative steel ball test (ref AC43-13 Chapter 9) shall be performed on line 12 (from 5-point junction to carburettor) to search for any swollen areas. For this test, the fuel hose shall be removed and drained. This inspection tests internal degradation.</p> <p>Proper steel ball diameter is minimum 5mm for the 7.5*13.5 hose and 4.5mm for the 7.0*13.0.</p> <p>In case of doubt concerning any other hose during the visual inspection, the specific hose shall also undergo the steel ball test. In case of failure of the representative test all other hoses shall be removed and tested prior contacting AD&amp;C.</p>

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EASA.A.019 D4 Fascination

5.) Appendix

**KRAFTSTOFFLEITUNGEN**

- (1) Tank zu Ventil 7.5\*13.5
- (2) Ventil zu Filter 7.5\*13.5
- (3) Filter zu Venturi 7.5\*13.5
- (4) Venturi zu Gascollator Edelstahl 8\*1
- (5) Filter zu Gascollator 7.5\*13.5
- (6) T-Stück zu T-Stück 7.5\*13.5
- (7) Zwischen Rohrleitung und mech. Pumpe zu Pumpe 7.5\*13.5, von Pumpe 7.0\*13.0
- (8) Rohrleitung zu/von mech. Pumpe Edelstahl 8\*1
- (9) T-Stück zu E-Pumpe 7.5\*13.5
- (10) von Rohrleitung (von Mech. Pumpe) zu 5-Wege Stück 7.5\*13.5
- (11) E-Pumpe zu 5-Wege-Stück 7.5\*13.5
- (12) 5-Wege Stück zu Vergaser 7.0\*13.0
- (13) 5-Wege Stück zu Drucksensoren 7.5\*13.5

**KRAFTSTOFFLEITUNGEN**

- 1. Erstaussgabe
- 2. 18-Sep-03, Korrektur kombinierte Ventilation für Sichtanzeige und Entnahme / Optionale Kraftstoffdruckanzeige
- 3. 19-Sep-03, Rückbau Änderungen (Keine Return line, Kapillare, Druckflüssigkeit)
- 4. 20-Mar-04 Schwimmer mit Höhenübersetzung in Anzeigebay
- 5. 10-Jul-04 Ventilation line terminated in nose gear bay
- 6. 22-Sep-04 Fuel flow sensors removed
- 7. 26-Sep-04 Leitungstypen festgelegt
- 8. 1-Oct-04 SMART AN WÄHLEN / Bewerben 1-16/09

**Typen KRAFTSTOFFLEITUNGEN:**  
Edelstahl 1.4301 8.0 \*1.0  
Cokline 2134 7.5 \* 13.5  
Cokline 2134 7.0 \* 13.0  
Alternativen siehe WD4-C9-P17

**SYSTEMELEMENTE:**  
5-Wege Stück WD4-55-0018 - 041  
T-Stück WD4-55-043  
Gascollator Andair GAS 125 + DV/25  
Kraftstoffventil Andair FS20\*2  
AUSF. LEITUNG in Russ 02m7  
PVT FIVE SENSE Smartex 2600

**WD4-55-0018 Kraftstoffsystem, Übersicht** 26/11/07

*NOT SAHRAUS IN VENT-LINE*

Wenn nicht gesondert gekennzeichnet, gilt: Standardmaterialien (Faserwerkstoffmaterialien, Schweißstoffe, Klebstoffe, Klebmaterialien, Werkstoffe, Oberflächenbeschütz), Toleranzen und Fertigungsverfahren nach anwendbaren ISO-Standards

Datum		Name
Gez.	21.10.04	Ulf Sjö
Gepl.	23.10.04	L. O. Sjö
MPL	21.10.04	Ulf Sjö
Ausg.		
Anderung		
Datum		
Maßstab		
Gewicht		

D4 Fascination

Kraftstoffsystem, Übersicht

WD4-55-0018

Blatt 1/3