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|  | AD&C Ltd. | <h2 style="margin: 0;">Service Bulletin</h2> | DoC No: ADxC-28-SB-002 |
| | Reichensteinstrasse 48 D-69151 Neckargemünd www.aircraftdc.de | | Issue: A Date: 26-Mar-2015 |
| D4 Fascination (VLA) | | | |

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| 1.) Applicability | |
| D4 Fascination, EASA.A.018, SN1002,1003,1004 | |
| This service bulletin must be implemented in all affected products/aircraft. If not, the product/aircraft may lose its airworthiness status and eventual warranties become invalid. | |
| 2.) Planning information | |
| 2.1) Parts/Products affected: | WD4-43-029.A Aileron actuator lever/ spade support arm |
| 2.2) Concurrent SB: | N/A |
| 2.3) Reason: | Following lethal accident a recent national AD on D4 and D4BK microlight predecessor models was issued concerning the weld of the spade support arm. Although different in design and complying with CS-VLA the corresponding part on the D4 Fascination (VLA) is identified as potential cause of catastrophic failure. |
| 2.4) Subject: | Inspection of the weld shall be performed using dye penetrant or magnetic particle method. |
| 2.5) Effective date: | March 26 th 2015 |
| 2.6) Compliance time : | First inspection within next 50 flight hours or next annual inspection whichever comes first. Repetitive inspection every 3 years |
| 2.7) Statement: | The technical content of this document is approved under the authority of DOA ref. EASA. 21.411. |
| 2.8) Manpower: | 1 h |
| 2.9) Mass data: | Not affected |
| 2.10) Electrical load data: | - |
| 2.11) Software accomplishment summary: | - |
| 2.12) References: | Include this SB in the airplane maintenance manual accordingly. |
| 2.13) Other publications effected: | None |
| 3.) Material information | |
| 3.1) Material- cost - availability: | N/A |
| 3.2) Company support information: | see 4.) |
| 3.3) Material requirements per aircraft: | Top coat paint (insignificant amount) |
| 3.4) Rework parts: | In case cracks are found contact AD&C |
| 3.5) Special tooling: | Dye penetrant |

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| Prepared: Basien | CVE: Kölmel | Approved: Kölmel |



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4.) Accomplishment/Instructions

Instructions are valid for left AND right spade support

- A.) Inspect spade support/actuator arm attachment (no free play, no notable flexibility in the attachment area)
- B.) Visual inspect the weld areas for signs of cracks and/or corrosion, ref. Figure 1 & Figure 2.
- C.) Perform dye penetrant inspection on the welding shown in Figure 2. In case of need/doubt remove surface coating (local sanding or sandblasting). Note: removal of the support arm from the aileron is not foreseen as regular maintenance action. In case this is needed contact AD&C for further instructions.
- D.) If cracks are found the airplane cannot be released to service. In this case contact AD&C for further instructions.
- E.) If no cracks are found and no corrosion is present:
 - a. Recoat the support arm as appropriate per chapter 20-10-03 of the maintenance manual.
 - b. Apply corrosion protection "ACF-50" as indicated in Figure 2
 - c. Make appropriate entry in Airplane logbook and life cycle document of accomplishment of this SB.
 - d. Add repetition schedule of this inspection (every 3 years after first) to life cycle document of aircraft

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Approved: Kölmel

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5.) Appendix

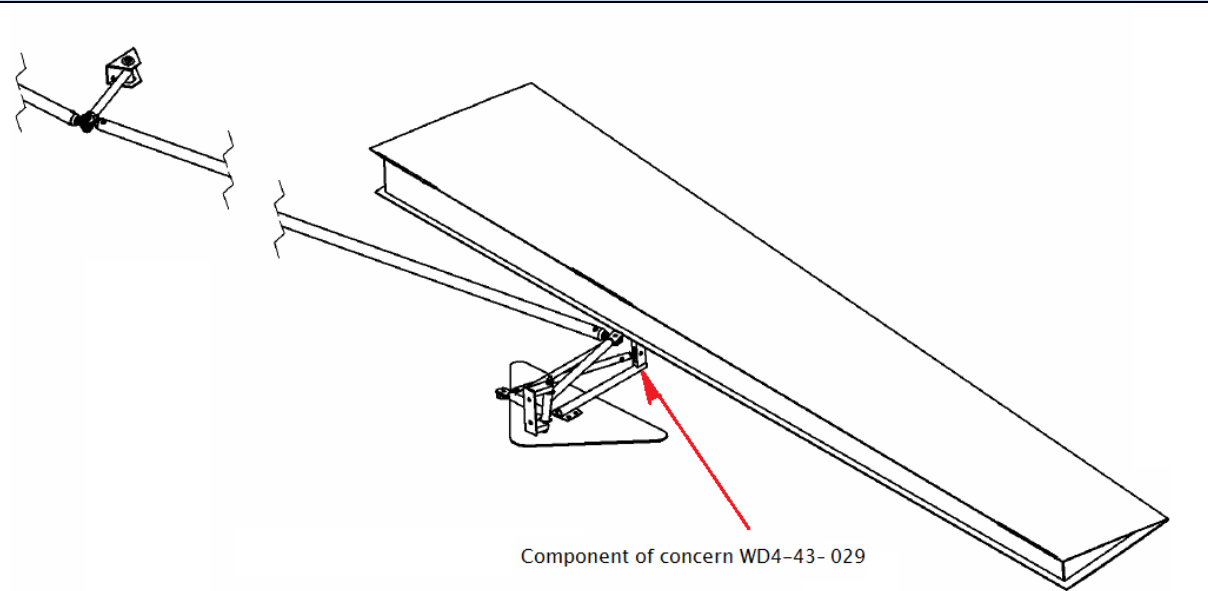


Figure 1 Area of concern

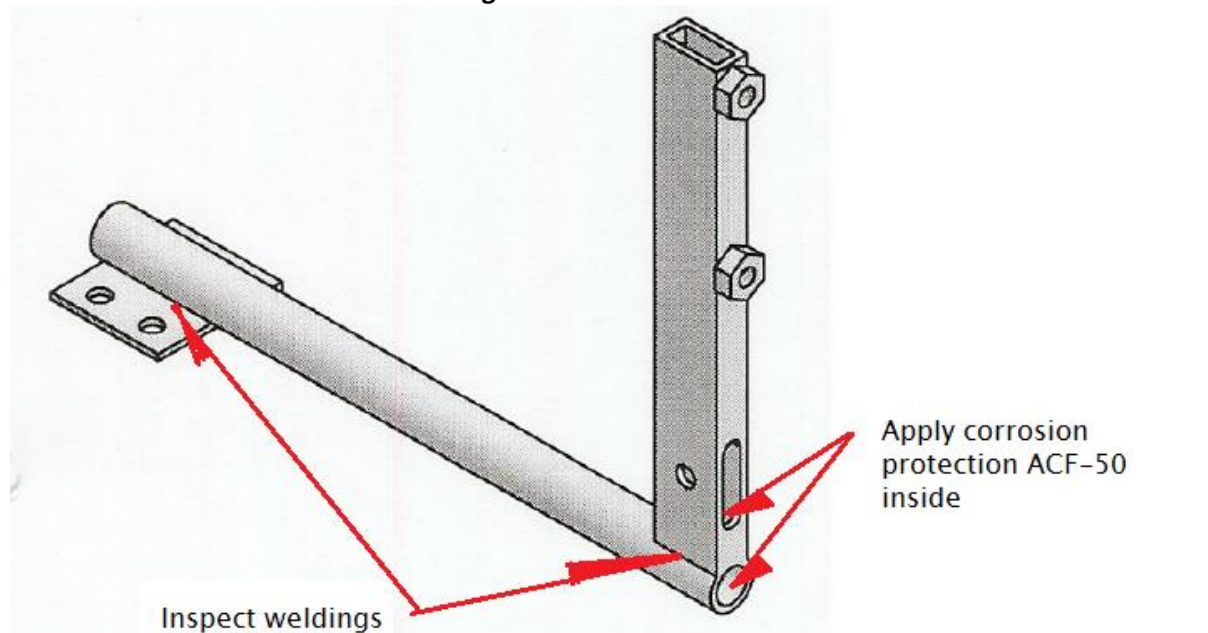


Figure 2 Support arm detail

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