

## Cessna 441 Wing Skin Inspection

AWB 57-003 Issue : 1  
Date : 1 February 2007

### 1. Applicability

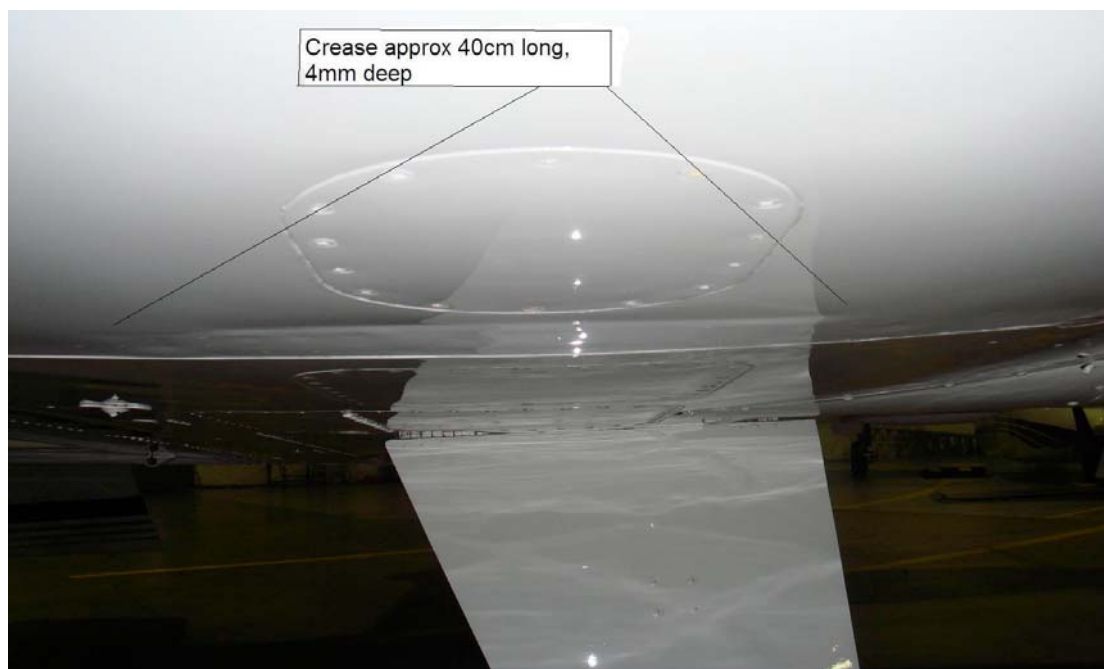
All Cessna 441 aircraft

### 2. Purpose

To alert owners and operators that underside wing skin creases, if evident, may be indicative of substructure and skin damage requiring repair.

### 3. Background

A crease in the underside wing skin of a Cessna 441 was recently observed (photo). The crease was just outboard of the centre wing section on the right hand wing at approximately wing station 12.



The manufacturer has advised the following:

- the crease is suggestive of excessive downwards bending loads
- further investigation to check for under skin damage is warranted
- the skin deformation may eventually lead to cracks in the skin emanating from nearby fasteners
- even if no substructure damage is present, wing fatigue life may be expected to be shortened unless the damage is repaired
- delay in repair will probably result in the need for more extensive future repairs as damage propagates



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### 4. Recommendation

It is recommended that owners/operators examine their aircraft for lower wing skin crease damage of the type described. If detected, it is strongly recommended that the wing be further examined for substructure damage and that any damage be repaired in accordance with manufacturer's recommendations.

Owners/operators are encouraged to report any damage of this type to CASA. CASA recommends online lodgement using the Service Difficulty Reports (SDR) system available on CASA website <http://www.casa.gov.au/airworth/sdr/index.htm>, or in writing, to:  
Manufacturing, Certification and  
New Technologies Office,  
GPO Box 2005, Canberra, ACT, 2601

### 5. Enquiries

Enquiries with regard to the content of this Airworthiness Bulletin should be made via the direct link e-mail address: [AirworthinessBulletin@casa.gov.au](mailto:AirworthinessBulletin@casa.gov.au)

Or in writing, to:

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