



Corrosion in Cirrus SR20 and SR22 Flap Hinges

**AWB** 57-006 **Issue :** 2  
**Date :** 01 August 2008

## 1. Applicability

CIRRUS DESIGN, SR20 and SR22 series aircraft.

## 2. Purpose

The purpose of this AWB is to bring to the attention of operators and maintainers of CIRRUS SR20 and SR22 aircraft that there is a possibility of surface corrosion in the Flap Hinge Arms due to a lack of suitable corrosion preventative treatment.

## 3. Background

Recent defect reports have indicated that surface corrosion has been detected in CIRRUS SR20 and SR22 Flap Hinge Flap Arms due to a lack of adequate corrosion preventative measures. This corrosion, if left undetected, can cause irreparable damage to the Flap Hinge Arms and possible failure. Cirrus Design has now issued Service Bulletin 2X-51-03 to protect Flap Hinge Arms against the abrasive effect of propwash.

## 4. Recommendation

CASA recommends that all operators of CIRRUS SR20 and SR22 aircraft:

- Have the flap arm hinges inspected as soon as possible for the presence of surface corrosion. Any sign of missing paint is cause for further investigation. This may require removal of the hinge arms and removal of the surface coatings.
- All corrosion should be removed by an approved repair scheme.
- Apply corrosion preventative coatings in accordance with approved procedures.
- Protect hinge arms by incorporating SB 2X-51-03.
- Report all instances of corrosion to CASA through the Service Difficulty Reporting System.

## 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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