



<http://www.faa.gov/aircraft/safety/alerts/SAIB>

**SAIB: CE-07-18**

**Date:** March 14, 2007

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*This is information only. Recommendations aren't mandatory.*

## **Introduction**

This Special Airworthiness Information Bulletin (SAIB) informs you, a registered owner and/or operator of **Raytheon Aircraft Company Models, T-34A, T-34B, L-23B, 45, 35, 95, A95, B95, B95-A, 95-55, and 95B55 airplanes** with production parts that may have escaped the Raytheon Aircraft Company Quality Control System with potential problems as noted.

## **Background**

The parts are typically hinge halves for various control surfaces. Figures 1, 2, and 3 show the typical parts and assemblies and where the forming thinning, necking, and cracking are occurring. Parts, other than those shown in the figures, which may exhibit these production flaws are:

- 35-650120-2
- 35-650120-7002
- 35-650122-2
- 45-640005-39
- 35-650120-7002
- 45-640005-43
- 95-620010-60

## **Recommendation**

The FAA recommends that owners and operators inspect the elevator and rudder control surface hinge halves for proper part forming if parts were replaced after February of 2001. Figures 1, 2, & 3 show examples of incorrectly formed hinge halves. These examples exhibit thinning, necking, and possible cracking. If hinge halves are found with these forming deformities, then the hinge halve or hinge assembly needs to be replaced. The manufacture has not issued any service information on this condition.

## **For Further Information Contact**

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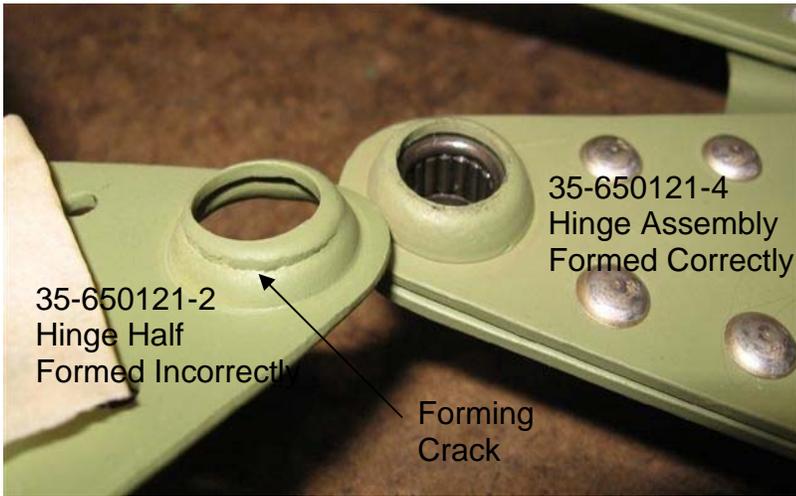


Figure 1. Hinge Half and Hinge Assembly



Figure 2. Hinge Assembly and Hinge Half



Figure 3. Hinge Half with forming crack