



**FAA**  
**Aircraft Certification Service**

# **SPECIAL AIRWORTHINESS INFORMATION BULLETIN**

**SAIB:** NE-08-49R1

**Date:** September 17, 2008

**SUBJ:** Turbine Engine Combustion Section

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

## **Introduction**

This Special Airworthiness Information Bulletin (SAIB) alerts you, owners, operators, and certificated repair facilities of **General Electric (GE) CJ610 series turbojet and CF700 series turbofan engines** of the potential for premature distress or failure of combustion liner inner shells, part number (P/N) AFT-5016T30G02. These combustion liner inner shells are a subassembly of several GE combustion liner assemblies with different P/Ns. These combustion liner inner shells were manufactured by AFT Technologies, 29-10 37 Ave., Long Island City, New York 11101, under Parts Manufacturer Approval (PMA). At this time, this airworthiness concern isn't an unsafe condition that would warrant airworthiness directive action under Title 14 of the Code of Federal Regulations (14 CFR) part 39.

## **Background**

A GE CJ610-8A turbojet engine experienced major cracking of the combustion liner inner shell P/N AFT-5016T30G02 that had 670.3 hours-since-new. The cracking resulted in the liberation of a section of the liner assembly, which caused damage to the engine turbine. Several other AFT-manufactured combustion liner inner shells that were removed from service as a precautionary measure have also exhibited major and/ or minor cracking at engine times ranging from 248 hours (8 louvers with minor and major cracks) to 929 hours (2 louvers beginning to crack). However, some AFT-manufactured combustion liner inner shells are still in service and have accumulated between about 250 to 1,500 hours-since-new.

## **Recommendations**

In order to prevent the possible premature engine failure due to liberation of a section of combustion liner inner shell, P/N AFT-5016T30G02, we recommend that you monitor GE CJ610/CF700 engines that have a combustion liner inner shell, P/N AFT-5016T30G02, installed. We recommend that you inspect the applicable combustion liner inner shells at the intervals and using the inspection procedures specified by the PMA holder. Contact AFT Technologies at telephone (917) 400-1316, for combustion liner inner shell inspection intervals and combustion liner inner shell inspection procedures.

## **For Further Information Contact**

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