



U.S. Department
of Transportation
**Federal Aviation
Administration**

New England Region

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MAY 10 2002

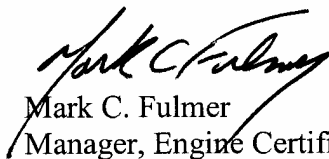
Joshua A. Antrim
Director, Engineering
Axiom, Inc.
58 Blackburn Center
Gloucester, MA 01930

Dear Mr. Antrim:

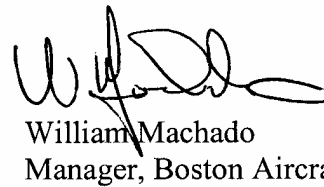
This is in response to your submittal dated April 22, 2002, which requests the Federal Aviation Administration (FAA) review the Axiom Rotor Assembly Optimization Process for the Pratt & Whitney JT9D high pressure compressor (HPC). The process is an alternative to the assembly process contained in the Pratt & Whitney engine manual for assembling the JT9D HPC. The applicable JT9D models are the JT9D-7Q/-7Q3, -70A/-59A, -7 series, -7R4D/E/H, -7R4/D1/E1H, -7R4G2.

We have reviewed your submittal and find it acceptable. The Axiom Smart Stack System described in your submittal offers an equivalent method for measuring, stacking and assembling JT9D HPC components. Therefore, under the provisions of 14CFR43 §43.13, the Axiom Rotor Assembly Optimization Process is hereby approved as an acceptable alternative assembly procedure for the JT9D HPC.

Sincerely,



Mark C. Fulmer
Manager, Engine Certification Office



William Machado
Manager, Boston Aircraft Evaluations Group