



# Instructions for Continued Airworthiness

## FAA STC SA00433AT

King Air Model 200, 200C, 200T, 200CT,  
A200, A200C and A200CT Aircraft  
With P&W PT6A-42 Engines

Rev. B

### NOTICE

This document must be referenced on Block 8 of FAA form 337 and added to the aircraft permanent record as required by 14 CFR Part 91, §91.417(a)(2)(vi) when the referenced FAA-STC modification is accomplished on eligible aircraft. This document complies with the requirements of 14 CFR Part 23, §23.1529, in accordance with 14 CFR Part 23, Appendix G.

**Aircraft Model No.** \_\_\_\_\_

**Aircraft Serial No.** \_\_\_\_\_

**Aircraft Registration No.** \_\_\_\_\_



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**Log of Revisions**

Revision	Description	Pages	Date
IR	Initial Release	All	Jan 08, 2007
A	1. Added 200C, 200T, & 200CT 2. Rev'd letter to A 3. Rev'd dwg reference to B	All All 5	July 18, 2007
B	1. Added A200, A200C & 200CT 2. Removed all references to Raytheon Aircraft & Beech 3. Rev'd dwg reference to C 4. Added reference to the A200 maintenance manual 5. Added reference to the King Air Airworthiness Limitations Manual	All All 5 4,5,6,7 7	March 10, 2008



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**1. INTRODUCTION**

This document provides instructions for the continued airworthiness (ICA) for Blackhawk Modifications, Inc. STC No. SA00433AT to install two Pratt & Whitney PT6A-42 engines on King Air Model 200, 200C, 200T, 200CT, A200, A200C, and A200CT aircraft.

**NOTICE**

Section 15, titled "Airworthiness Limitations" is FAA approved and specifies maintenance required under 43.16 and 91.403 of the Federal Aviation Regulations unless an alternate program has been FAA approved. To remain in compliance with the STC, the aircraft shall be maintained in accordance with these limitations.

This document supplements or supersedes the King Air Model 200 or A200 Series Maintenance Manual only in those areas listed herein for the appropriate aircraft model and serial number.

**2. DESCRIPTION**

The STC replaces the original engines with two Pratt & Whitney PT6A-42 engines.

**3. SPECIAL PROCEDURES**

None

**4. SERVICING INFORMATION**

The total oil system capacity is 14 quarts. Because of residual oil trapped in the system, no more than 12 quarts should be added during an oil change.



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#### 5. MAINTENANCE INSTRUCTIONS

Maintain PT6A-42 engines in accordance with Pratt & Whitney Maintenance Manual Part Number 3021442 issued February 28, 1975 or later approved revision.

Maintain cowlings and nacelles in accordance with appropriate King Air Model 200 or A200 Series Maintenance Manual for the aircraft model and serial number being serviced.

Maintain propellers and propeller de-icing system per appropriate King Air Model 200 or A200 Series Maintenance Manual and appropriate Propeller and De-Ice Brush Assembly Maintenance Manual for the aircraft or propeller model and serial number being serviced.

#### 6. TROUBLESHOOTING

Troubleshooting guidance may be found in the documents listed in Section 5. Otherwise, contact Blackhawk Modifications, Inc. for assistance.

Blackhawk Modifications, Inc.  
7601 Karl May Drive  
Waco, Texas 76708

#### 7. REMOVAL AND REPLACEMENT

Remove and replace as specified in Drawing A794-001, Rev. C, dated March 10, 2008 or later FAA approved revision. For replacement parts, contact Blackhawk Modifications, Inc. at the following address:

Blackhawk Modifications, Inc.  
7601 Karl May Drive  
Waco, Texas 76708



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**REPLACEMENT PARTS:**

QTY.	PART NO.:	NOMENCLATURE:	MFG. AND NOTES:
2	PT6A-42	ENGINE, TURBOPROPELLER	PRATT & WHITNEY
2	101-384122-7	GAUGE, OIL TEMP/PRESS	OPTIONAL FOR 200, 200C, 200T, AND 200CT AIRCRAFT ONLY.
2	90-384026-29	GAUGE, ITT	OPTIONAL FOR 200, 200C, 200T, AND 200CT AIRCRAFT ONLY.
ALT	90-384026-31	GAUGE, ITT	(ALT) OPTIONAL FOR 200, 200C, 200T, AND 200CT AIRCRAFT ONLY.

**8. DIAGRAMS**

None

**9. SPECIAL INSPECTION REQUIREMENTS**

Conduct routine inspections on the PT6A-42 engines in accordance with Pratt & Whitney Maintenance Manual Part Number 3021442 issued February 28, 1975 or later approved revision. Refer to section 72-00-00.

Conduct routine inspections on the cowlings and nacelles in accordance with appropriate King Air Model 200 or A200 Series Maintenance Manual for the aircraft being inspected.

Conduct routine inspections on the propellers in accordance with appropriate King Air Model 200 or A200 Series Maintenance Manual or the Propeller Maintenance Manual appropriate for the aircraft being inspected.

**10. APPLICATION OF SPECIAL TREATMENTS**

None

**11. DATA**

None



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**12. SPECIAL TOOLS**

None

**13. ADDITIONAL INFORMATION FOR COMMUTER CATEGORY AIRCRAFT**

None

**14. RECOMMENDED OVERHAUL PERIOD**

Per Pratt & Whitney PT6A-42 Service Bulletin Number 3003R20 or latest revision.

**15. AIRWORTHINESS LIMITATIONS**

**NOTICE**

This section is FAA approved and specifies maintenance required under 43.16 and 91.403 of the Federal Aviation Regulations unless an alternative program has been FAA approved. To remain in compliance with the STC, the aircraft shall be maintained in accordance with these limitations.

There are no changes to the airworthiness limitations of the PT6A-42 engine from those which are listed in Pratt & Whitney Maintenance Manual Part Number 3021442 issued February 28, 1975 or later approved revision.

There are no changes to the airworthiness limitations of the propellers, cowlings, or nacelles from those which are listed in the appropriate King Air Airworthiness Limitations Manual P/N 101-590010-453B or A200 Series Maintenance Manual.



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**16. REVISION**

Each time this ICA is revised or re-issued, the revised ICA will be distributed to operators using a Service Letter/Bulletin by Blackhawk Modifications, Inc. This revision will include a new Log of Revisions page, along with the revised pages. The lower right hand corner of each revised page will reflect the revision letter. That portion of text or an illustration which has been revised by the addition of, or change in, information is denoted by a solid revision bar located adjacent to the area of the change, and placed along the outside margin of a page. Revision bars show only information changed within the latest revision.

**17. ASSISTANCE**

For assistance with ICA issues not addressed herein, contact Blackhawk Modifications, Inc. at the following address or phone number.

Blackhawk Modifications, Inc.  
7601 Karl May Drive  
Waco, Texas 76708  
254-755-6711