

**Keith**AIRPLANE FLIGHT MANUAL SUPPLEMENT FOR BEECH BONANZA CR-36-9

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**Keith**

KEITH PRODUCTS, INC.

CERTIFICATION REPORT NO. CR-36-9

FAA PROJECT NO: SA5437SC-A

AIRPLANE FLIGHT MANUAL SUPPLEMENT

FOR BEECH BONANZA MODELS F33A,V35/35A/35B,36/A36/A36TC

S/N: \_\_\_\_\_

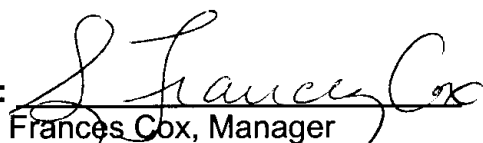
REG: \_\_\_\_\_

WITH KEITH PRODUCTS, INC. AIR CONDITIONING SYSTEM

This supplement shall be attached to the applicable FAA approved flight manual when a Keith Products refrigerant R134a air conditioning system is installed in accordance with STC No. SA84RM.

The information contained herein supplements the basic manual only in those areas listed herein. For limitations, procedures, performance, and weight and balance information not contained in this supplement, consult the basic flight manual.

APPROVED:



Frances Cox, Manager  
Special Certification Office  
Fort Worth, TX 76193-0190

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FAA APPROVED: APR 15 1999  
REVISION: B

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LOG OF REVISIONS				
REV.	PAGE NO.	DESCRIPTION	FAA APPROVAL BY/FOR	DATE
NC	1 thru 5	Original Release		2-5-99
A	4	Changed Placard #2 WAS: JBS10-87 NOW: JBS10-90, Added STC No. SA84RM to page 1		2-5-99
B	4	Added placards # 4 & 5 Added additional models to title page <u>WAS</u> "A36" <u>NOW</u> "F33A,V35/35A/35B,36/A36/A36TC"	<i>S. Gray Cox</i>	4/13/99

FAA APPROVED: APR 15 1999  
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FAA APPROVED  
AIRPLANE FLIGHT MANUAL SUPPLEMENT  
FOR  
BEECH BONANZA MODEL A36

**SECTION 1****GENERAL****DESCRIPTIVE DATA**

The air conditioning system is electrically powered and consists of the following components:

- An engine driven compressor.
- A condenser assembly mounted in the tail section area.
- An evaporator assembly mounted in the aft bulkhead near the baggage compartment area.
- Air distribution ducting mounted on the cabin ceiling.
- Refrigerant hoses routed from the engine compartment, along the aircraft belly, and aft to the tail section.
- Control switches mounted on the instrument panel, with associated wiring running aft with existing wiring bundle.
- 3-position switch (FAN-OFF-AIR COND) for selecting function.
- 2-position switch (HI-FAN/LO-FAN) selects blower speed.
- Temp Cont Knob - varies temperature setting.
- Indicator light - Blue light indicates compressor operation.

**SECTION 2****LIMITATIONS****PLACARDS**

(1)

Location: Above flight instruments.

<p style="text-align: center;"><b>TURN AIR CONDITIONER OFF FOR T/O AND LANDING</b></p>
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(2)

**THIS PROPELLER HAS BEEN MODIFIED  
IN ACCORDANCE WITH KEITH PRODUCTS  
STC SA84RM. REFER TO  
MAINTENANCE MANUAL PRIOR TO  
PROPELLER REMOVAL/INSTALLATION**

JBS10-90

Location: On Propeller bulkhead

(3)

**AIR  
CONDITIONING**

Location: Above or below air conditioning system circuit breaker.

(4)

**LOADING ON  
AVIONICS RELOCATION SHELF  
NOT TO EXCEED 30 LBS**

JBS10-91

Location: On 36-1500-1 avionics relocation shelf as shown on installation drawing.

(5)

**MAG COMPASS DEV  
MAY BE EXCESSIVE  
WITH AIRCON ON**

Location: As near as possible to the magnetic compass, in plain view of the pilot.

**SECTION III****EMERGENCY PROCEDURES****ENGINE FAILURE:****During Take-off Ground Roll**

Air Conditioning OFF

**After Liftoff and in Flight**

Air Conditioning OFF

**ENGINE FIRE:****In Flight**

Air Conditioning OFF

**On the Ground**

Air Conditioning OFF

**AIR CONDITIONING**

In the event of an air conditioning/fan system failure or malfunction, open all aircraft outside air vents and de-activate the system as follows:

- 1) Upper Left hand control switch            OFF
- 2) Pull all air conditioning breakers

**SECTION 4****NORMAL PROCEDURES****AIR CONDITIONING**

Air conditioning may be operated with the engine operating and the aircraft electrical system providing 12 VDC to the main buss. To operate the system proceed as follows:

- 1) Turn on air conditioning system by placing upper left hand control switch in the AIR COND position.
- 2) For maximum cooling, place the FAN control switch in the HI-FAN position, place the temperature control knob in the MAX position, and close cabin and baggage doors.
- 3) Turn off air conditioning system by placing upper left hand control switch in the OFF position.
- 4) Airflow may be varied by switching the FAN control switch between the LO and HI positions.
- 5) Cabin air cooling may be varied by rotating the temperature control knob between the MIN and MAX positions.
- 6) Cabin air may be recirculated without the air conditioning system operating by placing the left hand control switch in the FAN position.

**SECTION 5****PERFORMANCE**

No Change.

**SECTION 6****WEIGHT AND BALANCE**

No change to the original weight and balance limits. See the Aircraft Weight and Balance Data, located in the Airplane Flight Manual. It includes the air conditioning system and new empty weight, C.G. and moment.