



KEITH PRODUCTS, INC.

CERTIFICATION REPORT NO. CR-172-9

AIRPLANE FLIGHT MANUAL SUPPLEMENT

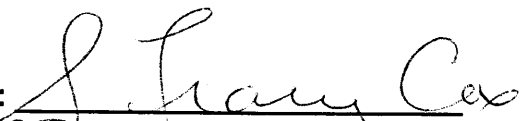
FOR CESSNA MODEL 172R, S

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. SA09457SC.

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: 
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Fort Worth, TX 76193-0190

FAA APPROVED: MAR 06 2000
REVISION: C

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AIRPLANE FLIGHT MANUAL SUPPLEMENT
FOR
CESSNA MODEL 172R, S

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 baggage compartment area.
- Air distribution ducting mounted on the cabin floor.
- Refrigerant hoses routed from the engine compartment, along the cabin floor, and aft to the tail section.
- Control switches mounted on the instrument panel, with associated wiring running aft with existing wiring bundle.

SECTION 2

LIMITATIONS

PLACARDS

(1)

**AIR CON MUST BE TURNED OFF
WHEN PITOT HEAT IS ON**

Location: Under Pitot Heat switch, lower left-hand instrument panel.

(2)

**TURN AIR CONDITIONER
OFF FOR T/O AND LANDING**

Location: Under Air Conditioning control switches.

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(3)

<p style="text-align: center;">100 POUNDS MAXIMUM BAGGAGE AND/OR AUXILIARY PASSENGER FORWARD OF BAGGAGE DOOR LATCH 50 POUNDS MAXIMUM BAGGAGE AFT OF BAGGAGE DOOR LATCH MAXIMUM 100 POUNDS COMBINED FOR ADDITIONAL LOADING INSTRUCTIONS SEE WEIGHT AND BALANCE DATA</p>

Location: Interior side of baggage compartment door.

(4)

<p style="text-align: center;">AIR CONDITIONING</p>
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Location: Above air conditioning system circuit breaker.

SECTION 3

EMERGENCY PROCEDURES

ENGINE FAILURES:

Engine Failure Immediately After Take-off	
Air Conditioning	OFF

Engine Failure In Flight	
Air Conditioning	OFF

FIRES:

Engine Fire In Flight	
Air Conditioning	OFF

Electrical Fire In Flight	
Air Conditioning	OFF

Cabin Fire	
Air Conditioning	OFF

ELECTRICAL SUPPLY POWER SYSTEMS MALFUNCTIONS

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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.

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