

COLEMILL ENTERPRISES, INC.  
CORNELIA FORT AIRPARK  
P.O. BOX 60627  
NASHVILLE, TENNESSEE 37206

AIRPLANE FLIGHT MANUAL SUPPLEMENT

FOR

BEECHCRAFT BARON

MODEL 95-B55 ALL SERIES

Reg. No. \_\_\_\_\_

Ser. No. \_\_\_\_\_

This Supplement must be attached to the FAA Approved Airplane Flight Manual when two Continental IO-520-E engines and either two Hartzell EHC-A3VF-2B-V7636D with 826-25p or 836-36p Spinners or two Hartzell EHC-G3YF-2 (U) (F)/FC7663(D) (B)-4T propellers with 3567-1P spinners are installed in accordance with STC SA432SO, amended November 10, 2005.

NOTE: Propellers are to be used in pairs only. The information contained herein supplements or supersedes the information in the basic handbook or flight manual only in those areas listed herein. For limitations, procedures and performance information not contained in the Supplement, consult the basic FAA Approved Airplane Flight Manual.

FAA APPROVED:  \_\_\_\_\_



MANAGER, ATLANTA AIRCRAFT  
CERTIFICATION OFFICE  
CENTRAL REGION, FAA

DATE: November 10, 2005

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1. LIMITATIONS:

- A. Engine Limits (Two Continental IO-520-E engines):  
260 H. P. for all operations

2850 RPM – 26” MP	Sea Level	(5 min. max.)
2700 RPM – 27” MP	Sea Level .	Max Continuous
2700 RPM – 26.5” MP	1500 ft.	Max Continuous
2700 RPM – 26” MP	2800 ft.	Max Continuous

- B. No change from the basic Airplane Flight Manual.

C. Propellers:

1. Two Hartzell EHC-A3VF-2B-V7636D (3 blade) with 826-25P or 836-36P Spinners. Maximum diameter 76” (low pitch setting 11.9°; feathered pitch setting 84.3°; measured at 30” station). Minimum diameter 74” (low pitch setting 12.9°; feathered pitch setting 84.3°; measured at 30” station).

OR

2. Two Hartzell EHC-G3YF-2 (U) (F)/FC7663(D) (B)-4T with 3567-1P Spinners. Minimum diameter 74” (low pitch setting 12.8°; feathered setting 82°, measured at 30” station).

D. Power Plant Instruments:

Oil Temperature

Caution (Yellow Radial) -----	75° F
Normal (Green Arc) -----	75° to 240° F
Maximum (Red – Radial) -----	240°F

Oil Pressure

Minimum Pressure (Red Radial ) -----	30 psi
Normal Operating Range (Green Arc) -----	30 to 60 psi
Maximum Pressure (Red Radial) -----	100 psi

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Manifold Pressure

Refer to Powerplant Limitation Placard

Tachometer

Engine Warm-Up -----	1000 to 1200 rpm
Normal Operation (Green Arc) -----	2000 to 2700 rpm
Caution (Yellow Arc)-----	2700 to 2850 rpm
Maximum (Red Radial) -----	2850 rpm

Fuel Flow

Minimum (Red Radial)-----	1.5 psi
Cruise power (Green Arc) -----	9.7 gph to 17.0 gph
Takeoff and Climb (Green Arc) -----	17.8 gph to 24.3 gph
Maximum (Red Radial) -----	17.5 psi

- E. No Change from the basic Airplane Flight Manual
- F. No Change from the basic Airplane Flight Manual
- G. No Change from the basic Airplane Flight Manual
- H. No Change from the basic Airplane Flight Manual
- I. No Change from the basic Airplane Flight Manual
- J. No Change from the basic Airplane Flight Manual

II. PROCEDURES

No Change from the basic Airplane Flight Manual

III. PERFORMANCE

The information contained in the basic Airplane Flight Manual is applicable to these airplanes when equipped with Continental IO-520-E engines and Hartzell 3-blade propellers. Performance is equal to or better than that shown in the basic manual.

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