

V/G SYSTEM
STC # SA4016NM

PILOT'S OPERATING HANDBOOK
and
FAA APPROVED AIRPLANE FLIGHT MANUAL
SUPPLEMENT

for

BEECHCRAFT BARON
95-55, 95-A55, 95-B55, 95-B55A, 95-B55B

Registration number: _____

Serial number: _____

This Supplement must be attached to the FAA Approved Flight Manual when a V/G SYSTEM is installed in accordance with STC # SA4016NM. The information contained in this Supplement supercedes the information of the basic Airplane Flight Manual only in those areas listed herein. For limitations, procedures and performance information not contained in this Supplement, consult the basic Airplane Flight Manual.

FAA APPROVED:

D. P. Rizzin

Manager, Seattle Aircraft
Certification Office

Date: September 15, 1987

P/N BE-55-AB-Supp-1

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**AFM SUPPLEMENT for:
BEECHCRAFT Baron
95-55, 95-A55, 95-B55, 95-B55A, 95-B55B**

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LOG OF REVISIONS

<u>Rev. No.</u>	<u>Revised Pages</u>	<u>Description of Revision</u>	<u>FAA Approval</u>
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SAMPLE
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LOG OF PAGES

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STC # SA4016NM**

GENERAL

The V/G System consists of 111 vortex generators affixed to the wings and vertical stabilizer. The purpose of the V/G System is to improve stall characteristics and to reduce stall and V_{mca} speeds through control of boundary layer airflow.

Although the V/G System reduces stall and V_{mca} speeds significantly, the pilot is encouraged to fly by reference to the performance specifications in the original Pilot's Operating Handbook and FAA Approved Airplane Flight Manual to provide an increased margin of safety. When required for maximum performance, the pilot has the option of using lower take-off and landing speeds.

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95-55, 95-A55, 95-B55, 95-B55A, 95-B55B

LIMITATIONS

1. 107 vortex generators constitute the minimum requirement. If less than 111 vortex generators are in place, the aircraft must be operated in accordance with the original Pilot's Operating Handbook and FAA Approved Airplane Flight Manual.

2. Change all references to Vmca values in text and on placards to:

71KCAS

3. AIRSPEED INDICATOR MARKINGS:

	<u>KTS</u>	<u>MPH</u>
WHITE ARC	63-122	72-140
RED RADIAL	71	82
BLUE RADIAL	100	115
GREEN ARC	71-182	82-210
YELLOW ARC	182-223	210-257
RED RADIAL	223	257

EMERGENCY PROCEDURES

EMERGENCY AIRSPEEDS:

AIR MINIMUM CONTROL SPEED (Vmca) 69 KIAS

NORMAL PROCEDURES

AIRSPEEDS FOR SAFE OPERATION:

AIR MINIMUM CONTROL SPEED (Vmca) 69 KIAS

PERFORMANCE

SEE FOLLOWING PERFORMANCE CHART

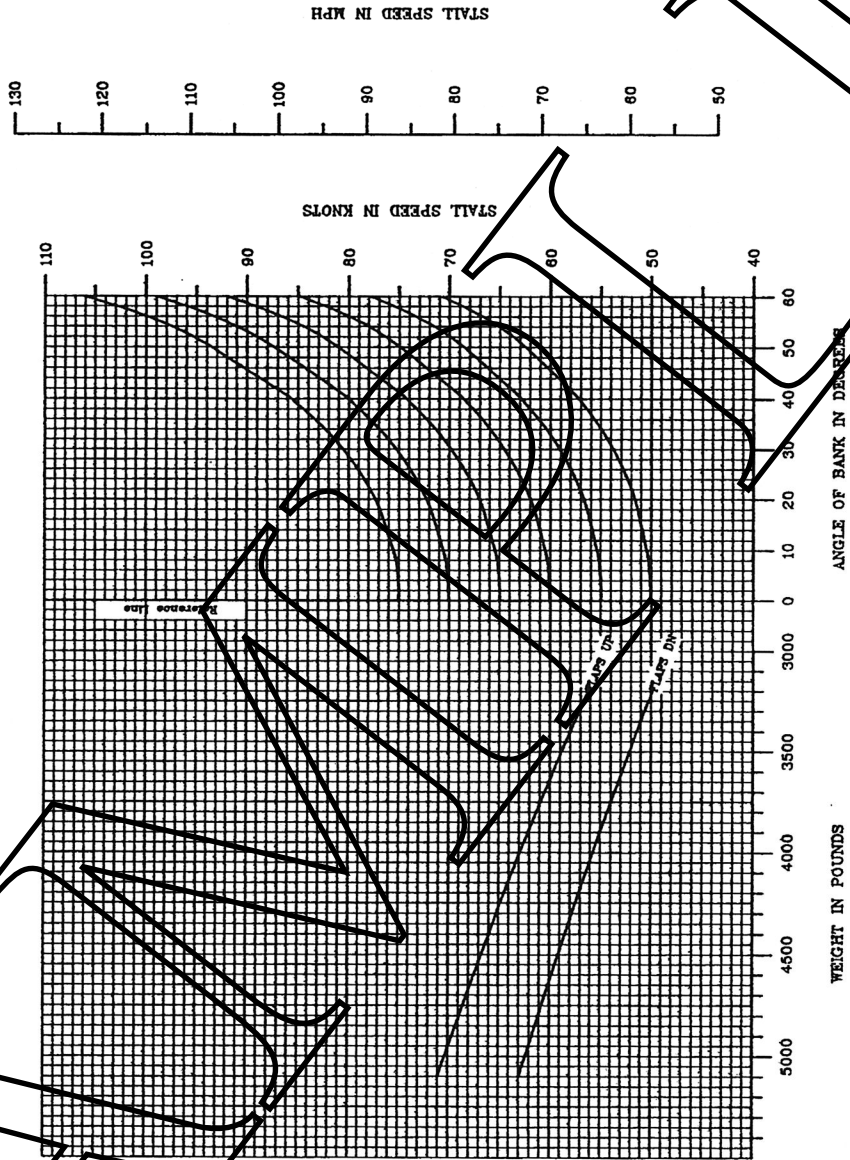
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PERFORMANCE
V/G SYSTEM
S.T.C. SA4016NM

BEECHCRAFT Balsa 95-55, 95-A55
95-B55, 95-B55A, 95-B55B
TC-1 thru TC-2455

STALL SPEEDS - ZERO THRUST

NOTE: THE MAXIMUM ALTITUDE LOSS EXPERIENCED WHILE CONDUCTING STALLS IN ACCORDANCE WITH CHAPTER 12 WAS 30 FT.



STALL