

V/G SYSTEM  
STC SA4016NM

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

for

BEECHCRAFT BARON 58, 58A

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. L. Ruggen  
Manager, Seattle Aircraft  
Certification Office

DATE: MARCH 15, 1988

P/N BE-58-Supp-1

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**BEECHCRAFT Baron**

**STC SA4016NM**

**58, 58A**

**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**

**FAA APPROVED**  
**Date: March 15, 1988**  
**P/N BE-58-Supp-1**

VIG SYSTEM  
STC SA4016NM

AFM SUPPLEMENT for  
BEECHCRAFT Baron  
58, 58A

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SAMPLE

FAA APPROVED  
DATE: March 15, 1988  
P/N/BE-58-Supp-1

**AFM SUPPLEMENT for:  
BEECHCRAFT Baron  
58, 58A**

**V/G SYSTEM  
STC SA4016NM**

## **GENERAL**

The V/G System consists of 107 vortex generators affixed to the wings and vertical stabilizer. The purpose of the V/G System is to reduce stall and Vmca speeds through control of boundary layer airflow.

Although the V/G System reduces stall and Vmca speeds, 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.



## LIMITATIONS

1. 103 vortex generators constitute the minimum requirement. If less than 107 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:

74 KCAS

3. AIRSPEED INDICATOR MARKINGS:

	<u>KCAS</u>
WHITE ARC	68-122
RED RADIAL	74
BLUE RADIAL	100
GREEN ARC	74-195
YELLOW ARC	195-223
RED RADIAL	223
WHITE TRIANGLE	152

## EMERGENCY PROCEDURES

### EMERGENCY AIRSPEEDS:

AIR MINIMUM CONTROL SPEED (Vmca) 74 KIAS

## NORMAL PROCEDURES

### AIRSPEEDS FOR SAFE OPERATION:

AIR MINIMUM CONTROL SPEED (Vmca) 74 KIAS

## PERFORMANCE

SEE FOLLOWING PERFORMANCE CHART

FAA APPROVED

# STALL SPEEDS - ZERO THRUST

## NOTE

1. THE MAXIMUM ALTITUDE LOSS EXPERIENCED WHILE CONDUCTING STALLS IN ACCORDANCE WITH CAR 3.120 WAS 400 FEET
2. A NORMAL STALL RECOVERY TECHNIQUE MAY BE USED
3. POWER IDLE CONDITIONS WILL INCREASE THE ZERO THRUST STALL SPEEDS BY APPROXIMATELY ONE KNOT AT FLAPS DOWN AND TWO KNOTS AT FLAPS UP.

