V/G SYSTEM
STC SA4016NM

PILOT'S OPERATING HANDBOOK
and
AIRPLANE FLIGHT MANUAL
SUPPLEMENT

for

BEECHCRAFT BARON
58TC, 58TCA, 58P, 58PA

Registration number ______
Serial number ______

This Supplement should 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 reflects the performance observed during flight tests conducted for certification. For limitations, procedures and performance information not contained in this Supplement, consult the basic Airplane Flight Manual.

DATE: March 15, 1988
P/N BE-58TC&P-Supp-1

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BEECHCRAFT Baron  
58TC, 58TCA, 58P, 58PA  

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LOG OF REVISIONS  

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V/G SYSTEM  
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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 improve stall characteristics and 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. Velocity of Minimum Control (Vmc): 75 KCAS

3. Stall speed in landing configuration (Vso): 71 KCAS

4. Stall speed, clean (Vs): 77 KCAS

EMERGENCY PROCEDURES
EMERGENCY AIRSPEEDS:
AIR MINIMUM CONTROL SPEED (Vmca) 75 KIAS

NORMAL PROCEDURES
AIRSPEEDS FOR SAFE OPERATION:
AIR MINIMUM CONTROL SPEED (Vmca) 75 KIAS

PERFORMANCE
SEE FOLLOWING PERFORMANCE CHART

DATE: March 15, 1988
STALL SPEEDS - ZERO THRUST

1. THE ALTITUDE LOSS EXPERIENCED WHILE CONDUCTING STALLS IN ACCORDANCE WITH FAR 23.581 WAS 400 FEET.

2. NOSE DOWN WITH ALTITUDE AND ALTITUDE LOSS DURING RECOVERY FROM THE ENGINE PROPELLER STALLS PER FAR 23.581 ARE APPROXIMATELY 10 AND 150 FEET RESPECTIVELY.

3. A NORMAL STALL RECOVERY TECHNIQUE MAY BE USED.

Weight - Pounds

Angle of Incidence - Degrees