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 supersedes 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. Riger
Manager, Seattle Aircraft Certification Office

DATE: MARCH 15, 1988

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AFM SUPPLEMENT for:  
BEECHCRAFT Baron  
58, 58A  

V/G SYSTEM  
STC SA4015NM  

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:

   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 3420 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.