



# MEMORANDUM FOR RECORD

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**Eastern Region Aviation**

**August 12, 2016**

**NTSB Accident Number: ERA16FA288**

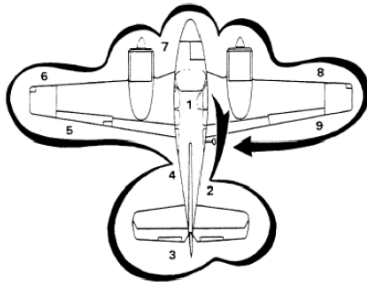
**Subject: Beechcraft B55 (N128VB) Pilot Operating Handbook Airspeeds; Normal Procedures**

**BEECHCRAFT Baron B55** **Section IV**  
**TC-371, TC-502 thru TC-1607** **Normal Procedures**

*All airspeeds quoted in this section are indicated airspeeds (IAS) and assume zero instrument error.*

**AIR SPEEDS FOR SAFE OPERATION (5100 LBS)**

|                                    |                 |
|------------------------------------|-----------------|
| Maximum Demonstrated Crosswind     |                 |
| Component                          | 22 kts/25 mph   |
| Takeoff:                           |                 |
| Lift-off                           | 84 kts/97 mph   |
| 50-ft Speed                        | 91 kts/105 mph  |
| Two-Engine Best Angle-of-Climb     |                 |
| (V <sub>X</sub> )                  | 84 kts/97 mph   |
| Two-Engine Best Rate-of-Climb      |                 |
| (V <sub>Y</sub> )                  | 107 kts/123 mph |
| Cruise Climb                       | 122 kts/140 mph |
| Turbulent Air Penetration          | 157 kts/181 mph |
| Landing Approach:                  |                 |
| Flaps DN                           | 90 kts/104 mph  |
| Flaps 0°                           | 97 kts/112 mph  |
| Balked Landing Climb               | 90 kts/104 mph  |
| Intentional One-Engine-Inoperative |                 |
| Speed (V <sub>SSE</sub> )          | 84 kts/97 mph   |
| Air Minimum Control Speed (VMCA)   | 78 kts/90 mph   |



Revised: March 1983

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**BEECHCRAFT Baron B55** **Section IV**  
**TC-371, TC-502 thru TC-1607** **Normal Procedures**

**BALKED LANDING**

1. Propellers - LOW PITCH (high rpm)
2. Power - MAXIMUM ALLOWABLE
3. Airspeed - BALKED LANDING CLIMB SPEED (90 KTS/104 MPH)
4. Flaps - UP
5. Landing Gear - UP
6. Cowl Flaps - AS REQUIRED

**AFTER LANDING**

1. Landing and Taxi Lights - AS REQUIRED
2. Flaps - UP
3. Trim Tabs - SET TO ZERO
4. Cowl Flaps - OPEN
5. Fuel Boost Pumps - AS REQUIRED

**SHUT DOWN**

1. Parking Brake - SET
2. Propellers - HIGH RPM
3. Throttles - 1000 RPM
4. Fuel Boost Pumps - OFF
5. Electrical and Avionics Equipment - OFF
6. Mixture Controls - IDLE CUT-OFF
7. Magneto/Start Switches - OFF, AFTER ENGINES STOP
8. Battery and Generator/Alternator Switches - OFF
9. Controls - LOCKED
10. If airplane is to be parked for an extended period of time, install wheel chocks and release the parking brake as greatly varying ambient temperatures may build excessive pressures on the hydraulic system.

October 1978

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