

Beechcraft V35B Bonanza Model Guide

The Beechcraft V35B Bonanza is a single-engine piston airplane built from 1968 to 1982 and seats 4 to 6. A turbocharged V35B-TC with the optional TSIO-520D engine also exists. The wider Beechcraft 35 family in the registry shows up to 480 nm range, 148 kt cruise and a 17000 ft service ceiling. Those are family-level maxima, not V35B figures.

KEY TAKEAWAYS

- Built 1968-1982 as a single-engine piston; seats 4 to 6. A turbo V35B-TC with the optional TSIO-520D engine also exists.
- Key records check: AD/BEECH 35/58 Amdt 6 covers V35B airplanes without the straight tail conversion STC SA2149CE.
- Documented upgrades include a Hartzell propeller STC, Dynon SkyView HDX, McFarlane engine controls and SpeedBrake 2000.
- Registry family maxima (480 nm, 148 kt, 17000 ft) are context for the whole Beechcraft 35 line, not V35B specs.

SAFETY NOTES

- SpeedBrakes are not approved for icing conditions. Switch them off for a forced landing, ditching, spin recovery or electrical failure.
- With SpeedBrakes and tiptanks on the V35B, the deployment limit is 175 knots. Deployed speedbrakes are limited to 10 knots above VNO.
- Do not run the propeller de-ice boots more than 30 seconds with the engine not operating, or the blades can overheat.

TAIL AND AIRWORTHINESS HISTORY

The CASA directive AD/BEECH 35/58 Amdt 6 applies to V35B airplanes without the straight tail conversion STC SA2149CE. It requires a ruddervator balance check and an empennage and aft fuselage inspection. It also covers the bulkheads at FS 256.9 and FS 272, per Beech Service Bulletin 2188, and a weight and balance accuracy check. Ask for proof of compliance.

DOCUMENTED UPGRADES TO LOOK FOR

The Hartzell HC-C3YF-1N/NM8410(B,K)-4 propeller STC SA04505CH lists V35B serial D-9069 and up. Dynon published a SkyView HDX configuration manual covering P35 through V35B (2019). McFarlane PMA throttle, prop and mixture controls are approved for Beech Bonanzas. The Precise Flight SpeedBrake 2000 supplement lists V35B as an applicable model.

TURBO V35B-TC AND CHECKOUT

The American Bonanza Society guide covers V35TC, V35A-TC and V35B-TC models with the optional Continental TSIO-520D engine. It recommends initial checkout with an authorized instructor who knows the specific model and is current in it. A buyer of a turbo airplane should plan for that training.