

BEECHCRAFT N35 BONANZA Model Guide

The BEECHCRAFT N35 BONANZA is a single-engine piston Beechcraft, listed in the Model 35 family under serials D-6562 through D-6841. The documents give an engine and propeller option (Continental IO-470-N, 260 HP) and one recommended hinge inspection. The 35 family as a whole is listed at up to 5 passengers, 148 kt cruise and 480 nm range.

KEY TAKEAWAYS

- N35 serials run D-6562 through D-6841, so check the data plate against that range.
- Service Bulletin SB 55-3826 (recommended) covers elevator and rudder hinge brackets; confirm it was done.
- A McCauley prop STC (SA1489GL) exists for the IO-470-N, 260 HP at 2625 RPM maximum continuous.
- Family-level figures only: up to 5 passengers, 148 kt, 480 nm, 17000 ft. These are not N35-specific.

HINGE BRACKET BULLETIN SB 55-3826

Issued March 2008 as recommended, not mandatory. It targets rupture of the base material in elevator and rudder hinge brackets. The suspect parts are brackets installed on production airplanes after February 2001, and replacement parts made February 2001 through December 2006. For the N35, review the maintenance records for such parts. If any are found, inspect each hinge bracket. Inspection is estimated at 0.5 hour.

COMPLIANCE AND RECORDS

Hawker Beechcraft recommended civil airplanes comply within 100 flight hours, but no later than 12 calendar months. A ruptured hinge assembly must be replaced. A maintenance record entry is required on completion. Ask the seller for that entry or for records showing no affected parts were fitted.

PROPELLER CONVERSION (STC SA1489GL)

The STC covers the G33, N35 and P35 with the Continental IO-470-N (2625 RPM, 260 HP maximum continuous). Kit contents include a McCauley 2-blade propeller 82 to 84 inches in diameter, with spinner. Installed weight is about 64 lbs. TBO is 2400 hours or 72 calendar months, whichever comes first. Aircraft with Hartzell counterweighted props need the governor kit, PL60305 or PL60315.

SPECIFICATIONS

Engine Max Continuous Power Hp	260
Engine Max Continuous Rpm	2625
Propeller Blade Count	2
Propeller Diameter Max Inches	84
Propeller Diameter Min Inches	82
Propeller Installed Weight Lbs	64

SAFETY NOTES

- Do not assume SB 55-3826 was done: it is recommended, not mandatory. Verify the records and inspect the hinge brackets if suspect parts were fitted.
- The bulletin notes that Service Bulletins and kits may not suit airplanes modified under other STCs. Check the modification status before ordering parts.