BELL 222B Model Guide

BELL 222B is a Bell helicopter in the 222 family, which also includes the 222 and 222U. The data supplied gives no seat count, production years or variant-specific performance figures for it. This guide therefore covers airworthiness and ownership checks, not performance.

KEY TAKEAWAYS

- Alert Service Bulletin 222-26-115 (5 August 2026) removes tail rotor pitch horn P/N 222-012-774-109 from service before next flight.
- The bulletin names the 222 as the affected model, but TB 222-94-142 offered the part as an optional upgrade on the 222/222B. Check which part your aircraft has.
- No variant-specific specs, V-speeds or weights are in the inputs. Get them from the approved flight manual and the aircraft's records.
- Engine data conflicts: the library row says piston, the family registry says turboshaft. Confirm the engine from the aircraft.

TAIL ROTOR PITCH HORN BULLETIN

ASB 222-26-115 follows an in-flight pitch horn failure that caused loss of tail rotor effectiveness and loss of control. It affects serial numbers 47006 through 47089. Part 222-012-774-109 must be replaced by 222-012-705-105 or -107 with pitch links 222-012-765-101 or -103. Bell estimates about 2 man-hours.

WHAT TO VERIFY BEFORE BUYING

Read the vibro-etched part number on each tail rotor pitch horn. Look for a logbook and historical service record entry showing compliance with ASB 222-26-115. Bell asks for a survey report of part and serial numbers and total time since new. Confirm the serial number against the affected range. The 222 variant sees the highest pitch horn loads of the three variants.

OWNERSHIP AND MAINTENANCE DUTIES

The Model 212 maintenance manual in the inputs is not specific to this model. It says owners must keep logbooks and historical service records, and that ASBs and ADs are mandatory. It also says inspection intervals and overhaul schedules apply only to Bell-approved parts. Check that records show traceability for parts with service records.

SAFETY NOTES

- Do not fly with pitch horn P/N 222-012-774-109 installed. ASB 222-26-115 requires removal before next flight.
- The 774-109 pitch link P/N 230-312-001-101 is not compatible with the 705-105/-107 horns. Replace it with 222-012-765-101 or -103.
- After the swap, check directional control travel for clearance and dynamically balance the tail rotor hub and blades.

AI-aggregated guide for the BELL 222B · sources: ALERT SERVICE BULLETIN 222-26-115 (#101303) · MAINTENANCE MANUAL VOLUME 1 GENERAL INFORMATION (#102751) · generated 2026-11-24 ·
Reference only, not for flight. Check the original documents before relying on this guide.