

BELL 407GXP Model Guide

BELL 407GXP is a Bell 407-series helicopter. The library row has no specs of its own, so the figures here are family-level only. Registry data for the 407 family shows up to 7 passengers, up to 310 nm range, up to 115 kt cruise, up to 18500 ft service ceiling and up to 2500 kg MTOW. The documents used are the 407 flight manual and Bell service bulletins.

KEY TAKEAWAYS

- Family-level data only: up to 7 passengers, 310 nm range and 115 kt cruise. Confirm BELL 407GXP figures in its own flight manual.
- ASB 407-24-136 requires a one-time FPI and recurring 10X inspections of the forward landing gear crosstubes, based on landing counts.
- Check that tailboom attachment hardware was replaced under ASB 407-10-93 and is torque-checked every 300 hours.
- Check logbooks for counted normal and run-on landings. They now set the crosstube inspection intervals.

SAFETY NOTES

- If a crosstube crack is found, remove it from service and report it to Bell Product Support Engineering.
- The flight manual warns that installations not qualified by Bell may make its weight and balance, handling and performance data invalid.
- Do not reuse tailboom attachment hardware of unknown origin. Use new parts from an approved source.

CROSSTUBE INSPECTION (ASB 407-24-136)

Part I: log every normal landing. Part II: one-time fluorescent penetrant inspection once crosstubes reach 36,000 normal landings or 800 run-on landings (low gear) or 165 (high gear). Part III: 10X visual check after every 135 normal or 8 run-on landings (low gear), or 95 normal or 5 run-on (high gear). A run-on landing is forward ground travel greater than 3 feet with weight on the skid.

TAILBOOM HARDWARE (ASB 407-10-93)

Applies to serial numbers 53000 through 53990. Later helicopters had it done before delivery. The bulletin replaced the tailboom attachment bolts and nuts because the earlier assembly torque exceeded the recommended range. All four positions are torque-checked every 300 hours. Hardware is discarded whenever the tailboom is removed. Ask for the logbook entry showing compliance.

AVIONICS AND MANUAL

Garmin G1000H NXi software 006-B1237-23 is installed before delivery on serial numbers 54857 and subsequent. Earlier helicopters fitted with the Bell Single Pilot IFR Kit or 3rd Axis AFCS Kit received it at delivery. The supplied flight manual BHT-407-FM-1 is Revision 4, dated 29 June 2005. Check the optional-equipment supplements installed.