JABIRU J430 Model Guide

The JABIRU J430 is a single-engine piston aircraft from Jabiru (Bundaberg, Queensland). It belongs to the three-door-fuselage "J Series" and is covered with the J230 in Jabiru's technical manual. The inputs give no J430-specific figures for speeds, weights, range or seats, so check those against the aircraft's own flight manual and records.

KEY TAKEAWAYS

- The JABIRU J430 is covered by Jabiru Technical Manual JTM001-14 (Issue 14, 17 February 2025), shared with the J230.
- It has a three-door fuselage. Its main stub axles must be replaced with the new type at or before 250 hours.
- Stub axle cracks can be invisible on inspection. Dye penetrant found cracks that a 10X visual check missed.
- Owners must check Jabiru's website for service bulletins. Missing them can make the aircraft unairworthy and void the warranty.

MAIN STUB AXLE: THE KEY BUYER CHECK

Service Bulletin JSB 007-1 (29 November 2004) reports fatigue cracking at the inboard end of the main undercarriage stub axle. It lists the J430 among the 3-door fuselage models, which need the new-type axle at or before 250 hours. The replacement is one-time. The brake caliper mounting plate must also be modified or replaced. Ask for proof this was done.

MAINTENANCE DOCUMENTATION

Manual JTM001-14 covers inspection and servicing, including 100-hourly checks of the engine compartment, fuel system, landing gear, airframe and controls. It also lists mandatory inspections and lifed items, wing and strut bush service, fuel sender calibration, and J230/J430 wing details. Ask the seller for logbook evidence of work against these items.

SYSTEMS TO EXAMINE

The manual has sections on the fibreglass main gear leg, nose leg and steering, brakes, flaps (manual and electric), elevator trim, carburettor heat, exhaust, cabin heater and fuel system. Check each one on a pre-purchase inspection against the manual's trouble-shooting and inspection guidance.

SAFETY NOTES

> - Do not judge a stub axle by sight alone. Some axles that looked sound at 10X magnification had cracks found by dye penetrant.
> - Jabiru says failing to apply current service information may render the aircraft unairworthy and void the express warranty.

AI-aggregated guide for the JABIRU J430 · sources: JTM001-14 - Jabiru Aircraft (#100420) · SERVICE BULLETIN: JSB 007-1 (#101386) · generated 2026-10-21 · Reference only, not for flight. Check the original documents before relying on this guide.