Flying Legend Tucano Replica Model Guide

The Flying Legend Tucano Replica is a single-engine piston aircraft built by Flying Legend Italia of Caltagirone. The supplied documents are build and production-cycle manuals, not a flight manual. They cover the canopy, the hydraulic retractable gear and the fuel system. The inputs give no performance, weight or seat figures.

KEY TAKEAWAYS

- The only documents are build manuals, so ask the seller for the flight manual and the figures for weights, speeds and range.
- The documents mention a Rotax 912 fuel-system variant with a compressor, so confirm which engine setup the aircraft has.
- Check how the canopy was fitted (riveted or glued) and that the canopy restraint cable is installed.
- The gear is hydraulic, with an electric pump and an emergency manual pump. Inspect the whole system.

CANOPY

The build cycle lets the builder fix the clear canopy to its resin frame by rivets or by glue, and the supervisor records which. Glue work calls for four people. Hinges need shims, and the opening and closing knobs are locked with strong Loctite. A stainless cable limits how far the canopy opens, so check it is fitted.

HYDRAULIC GEAR SYSTEM

An electric pump, an inverter and two five-way manifolds (marked UP and DOWN) sit in the central box. Braided hoses run to the wing pistons and the front gear. An emergency manual pump is mounted on the lower fuselage omega, with an emergency valve unit. Inspect hose routing, fittings and the half-cone connections.

FUEL AND BRAKES

The assembly document shows a fuselage fuel system already installed, plus a separate layout for the Rotax 912 with compressor. It uses a fuel valve with a gasket against the tunnel, Rilsan lines, and Loctite 5400 on threads. A standard brake system is shown. Check each against the aircraft.

SAFETY NOTES

- Confirm the canopy restraint cable is installed and routed behind the rear seat, between the two harness straps, as the manual advises.
- Verify the emergency hydraulic pump and valve work. Check the hose half-cone connections and fittings for leaks.
- Treat the manuals as build guidance only. Get the official operating limits from the manufacturer or seller.

AI-aggregated guide for the Flying Legend Tucano Replica · sources: QBK – RTF – COMPLETAMENTO AEREO (#100496) · FUSELAGE-CANOPY - Flying Legend (#101135) · FUSOLIERA – IMPIANTO IDRAULICO CARRELLI (#101136) · generated 2026-10-20 · Reference only, not for flight. Check the original documents before relying on this guide.