AUTOGYRO Cavalon 915 iS Model Guide

The AUTOGYRO Cavalon 915 iS is a piston-powered gyroplane from AutoGyro, fitted with the Rotax 915iS engine. The Cavalon family is listed at up to 2 passengers, up to 600 kg MTOW, up to 90 kt cruise and up to 500 nm range. These are family maxima, not confirmed figures for this variant. Use the flight manual for exact limits.

KEY TAKEAWAYS

- Family-level figures: up to 600 kg MTOW, up to 90 kt cruise, up to 500 nm range, up to 2 passengers. Confirm the 915 iS limits in the flight manual.
- A service bulletin covers lower engine mounting nuts on Cavalon aircraft with the Rotax 915iS. Ask for proof it was done or that the right nuts are fitted.
- The flight manual (Rev. 1.1, 14 August 2019) must stay on board and current. It does not replace gyroplane training.
- The manual available here is in Czech. Check you can get the current revision in a language you read.

ENGINE MOUNT SERVICE BULLETIN

Bulletin AG-SB-2021-01-B-EN (effective 20 April 2021, category B recommended) says the lower engine mounting bolts on Cavalons with the Rotax 915iS can lose clamping torque through heat and vibration. Binx M10 nuts (43511) or SI Nyloc M10 nuts (20183) are replaced with M10 SI full metal nuts (23630). Estimated labour is 0.8 hr, and the bulletin says to do the check at the earliest opportunity.

WHAT TO CHECK ON INSPECTION

Look at the lower engine mounting nuts. If SI full metal M10 nuts are fitted, no action is needed. Otherwise the target torque is 39 Nm, with at least 1.5 bolt threads protruding from the nut. The bulletin must be recorded in the aircraft documents. Ask to see the entry. Also confirm the manual revision and the type certificate paperwork.

DOCUMENTATION AND SUPPORT

The manual lists AutoGyro GmbH in Hildesheim as manufacturer. In the Czech and Slovak Republics, AGN SYSTEMS is the distribution partner and holds the Czech type certificate, ULV-01/2015 plus supplements. The handbook has 168 pages, with sections on limitations, emergency and normal procedures, and performance.

SAFETY NOTES

> - Operate only within the limits and procedures in the flight manual. Ignoring them or skipping proper gyroplane training can have very dangerous consequences.
> - Loose lower engine mounting nuts on the Rotax 915iS Cavalon are a known issue. Have the fastenings checked, and fixed if needed, by trained maintenance staff.

AI-aggregated guide for the AUTOGYRO Cavalon 915 iS · sources: Letová a provozní příručka pro vírník Cavalon 915iS (#100424) · Cavalon 915iS Lower Engine Mounting Nuts (#102335) · generated 2026-10-18 · Reference only, not for flight. Check the original documents before relying on this guide.