AERONCA 65 LB Model Guide

The AERONCA 65 LB is a single-engine piston aircraft, one variant of the Aeronca 65 family. The registry lists the family at up to 2 passengers, up to 85 kt cruise, up to 550 nm range and up to 16000 ft service ceiling. Those are family maxima, not 65-LB figures. No year or seat data is on file for this variant. The only source is the CAA airworthiness inspection notes AM-272 (TC 702), dated January 24, 1944.

KEY TAKEAWAYS

- Lycoming O-145B/GO-145C engines: check the crankcase for cracks at the Nos. 1 and 4 cylinder bases at each 50 and 100 hours, using a magnifying glass.
- Rudder and elevator 3/32 in. cables: inspect at 1000 hours and replace or splice at 1500 hours. Replace pulleys grooved more than 1/32 in.
- Serial Nos. 10010 to 18212: confirm the improved exhaust system and the revised fuel line were installed.
- Serial Nos. 10010 to 18532 with the auxiliary tank: confirm an overflow trough and drain tube are fitted.

ENGINE AND CRANKCASE

On Lycoming O-145B and GO-145C engines numbered 1200 to 4800, inspect the crankcase for cracks. Look especially at the Nos. 1 and 4 cylinder base fillets near the stamped heat number. Inspect at each 50 and 100 hours. The 100-hour inspections should cover at least 1500 hours total engine time. Only crankcase halves bearing the stamped heat number need this check.

EXHAUST AND FUEL SYSTEM

For serial Nos. 10010 to 18212, the old exhaust system is to be replaced with the improved muffler system. That system has separate cabin and carburetor air heating muffs, braces and flexible ducts. The short copper fuel line at the strainer must be modified with a rubber hose section. Check that the fuel strainer bowl nut is safetied and the cork gasket is serviceable. Check for fuel overflow from the auxiliary tank vent.

CONTROLS, RECORDS AND APPLICABILITY

Inspect the rudder and elevator cables at 1000 hours and replace or splice them at 1500 hours. The aileron fairlead, rudder cable and pulley, axle strut, elevator tab and aileron hinge notes in AM-272 are marked as not applying to the 65-LB. Also check the logbook for the Bendix-Scintilla magneto coil note, the engine idling log entry and the Freedman-Burnham propeller hub inspection, where fitted.

PERFORMANCE

Family Max Range Nm	550
Family Max Cruise Speed Kt	85
Family Max Service Ceiling Ft	16000

SAFETY NOTES

- Cracked crankcases on the listed Lycoming engines are a service-experience concern. Verify the logbook shows the 50- and 100-hour inspections.
- Fuel accumulating in the fuselage from the auxiliary tank vent overflow must be drained, and the overflow trough and drain tube installed.
- Freedman-Burnham propeller hubs must be inspected per Airworthiness Maintenance Bulletin No. 69, if fitted.

AI-aggregated guide for the AERONCA 65 LB · sources: AIRWORTHINESS MAINTENANCE INSPECTION NOTES (#102844) · generated 2026-11-26 · Reference only, not for flight. Check the original documents before relying on this guide.