ECLIPSE 550 Model Guide

The ECLIPSE 550 is a jet made by Eclipse Aerospace Incorporated of Albuquerque, New Mexico. The documents supplied give no range, speed, weight or seating figures. This guide therefore covers ownership: service life limits, the anti-skid brakes, and bulletins to check in the records.

KEY TAKEAWAYS

- Certified life is 10 years, 10,000 flight hours or 10,000 cycles. A Life Extension Program can raise it to 20,000 hours or cycles.
- Anti-skid braking (eABS) is standard equipment on the Eclipse 550. IFMS 2.08 software is required for the eABS installation.
- SB 550-32-001, a mandatory wheel speed transducer connector inspection, applies to listed serials and is due at the next 300 hour/24 month inspection.
- The supplied documents contain no performance or weight figures. Get those from the Airplane Flight Manual.

SERVICE LIFE AND EXTENSION

Eligible aircraft can join the voluntary Life Extension Program at their next 1200 flight hour/48 month inspection. The maximum extended life is 20,000 flight hours or 20,000 cycles, whichever comes first. Enrollment transfers to a new owner if the aircraft is fully compliant and the owner signs an addendum. Prerequisites include SB 550-24-002 Rev B or later and the 48-month fuel tank inspection.

ANTI-SKID BRAKES (EABS)

The Advent eABS brings anti-skid braking to manual brake systems. It was certified for the Eclipse 500/550 in 2013 and is standard on the Eclipse 550. It does not work in anti-skid mode below 10 knots. Wheel speed must reach at least 85% of aircraft speed before the brakes operate. It weighs 38 pounds and is maintained on-condition, with a visual inspection at 1500 flight hours.

RECORDS AND BULLETINS TO CHECK

SB 550-32-001 Rev B (mandatory) covers serials 550-0263 to 550-0265, 550-0268 to 550-0280 and 550-0282 to 550-0284. Estimated labor is 1.0 hour to inspect and 2.0 hours to replace parts if needed. MB 500-31-009 upgrades IFMS 2.06 to 2.08 at an authorized service center, but it lists EA500 serials. Confirm with Eclipse whether it applies to a given 550.

SAFETY NOTES

> - The WST connector inspection checks pin crimps against IPC-WHMA-A-620 Class 2. Ask for proof it was done on any listed serial number.
> - Aircraft with non-Eclipse modifications or repairs may need extra inspection before they qualify for life extension.

AI-aggregated guide for the ECLIPSE 550 · sources: Eclipse 550® Systems Manual (#102350) · ECLIPSE Service Bulletin (#100842) · Anti-Skid Braking System for the Eclipse 500/550 (#100843) · ECLIPSE Service Bulletin (#101862) · ECLIPSE Modification Bulletin (#100707) · generated 2026-10-18 · Reference only, not for flight. Check the original documents before relying on this guide.