GLASAIR II RG Model Guide

GLASAIR II RG is a retractable-gear, single-engine piston aircraft from Glasair. The supplied inputs have no performance, weight, seat or year data for it. This guide covers the one documented ownership issue: corrosion inside the landing gear oleo struts of early examples (Service Bulletin 161).

KEY TAKEAWAYS

- Service Bulletin 161 (6/9/2008) covers oleo corrosion on Glasair I and early GLASAIR II RG aircraft. Inspect at or before the next annual.
- Early gear has an aluminum plug in a steel oleo and a half-fork pocket with no drain hole. Trapped water caused severe corrosion in one aircraft.
- Delivery date does not tell you the strut style. Only taking a strut apart shows whether an internal plug is present.
- The inputs give no performance or weight figures for this model. Take them from the aircraft's own documents.

WHAT THE BULLETIN FOUND

An early GLASAIR II RG placed in use in 1990 had severe corrosion in a main gear oleo. Water collected in a half-fork pocket with no drain hole, and the aluminum plug and steel oleo corroded. Oleo drawings from October 1989 show the plug was later eliminated and the oleo welded shut.

INSPECTION AND LIMITS

Relieve strut pressure, remove the half forks and inspect the lower 1.5 inches of the oleo bore. A strut may be reused if pits are no deeper than .050" and cover 40% or less of the bore. Pits must not join in a line or area over 1/2" long. Drill a 3/16" drain hole in the half-fork pocket.

STRUT SERVICING DATA (II RG)

Nitrogen charge is 110 PSI on the main gear and 90 PSI on the nose gear. Fill with MIL-H-5606 hydraulic oil: 500 ml (16.9 fluid oz) per main and 400 ml (13.5 fluid oz) for the nose. Check strut fluid level every 500 hrs of service.

SAFETY NOTES

- Relieve all internal strut pressure before removing the nose or main gear forks. Cover the valve with a rag to keep hydraulic fluid out of your eyes.
- Before charging a strut, re-check that the oleo bearing retainer ring is seated. A faulty installation could blow the unit apart, so keep people out of its line of fire.

AI-aggregated guide for the GLASAIR II RG · sources: Glasair Service Bulletin 161 (#102762) · generated 2026-11-26 · Reference only, not for flight. Check the original documents before relying on this guide.