

PIPER PA-32-301FT 6X Model Guide

The PIPER PA-32-301FT 6X is a piston single built by The New Piper Aircraft, Inc. of Vero Beach, serial numbers 3232001 and up. The wider Piper 32 family carries up to 6 people, with up to 156 kt cruise and 730 nm range. Those are family maximums, not figures for this variant. The supplied documents give no variant performance, so a buyer should focus on service bulletin compliance.

KEY TAKEAWAYS

- Parts catalog: serials 3232001 thru 3232013 are 2003 models; 3232014 and up are 2004 models.
- SB 1375A requires recurring landing gear mount hardware replacement; fatigue and corrosion could cause gear collapse.
- SB 1244C aft wing attach fitting corrosion inspection recurs at 2,000 hours or seven calendar years, whichever is first.
- SB 1428 diode cooler inspection recurs at each scheduled maintenance event or every 100 hours TIS, whichever is first.

SAFETY NOTES

- SB 1375A: failure of landing gear mounting hardware could result in a landing gear collapse.
- SB 1428: improper insulation of the diode cooler risks an electrical short, failure of the electrical system and/or fire.
- SB 1244C: corrosion on the aft wing spar can be hidden under paint and riveted lap joints, so inspection needs a cleaned, close visual check.

LANDING GEAR HARDWARE (SB 1375A)

Covers PA-32-301FT serials 3232001 through 3232074. The main gear bolts and screws are replaced at 2,000 hours or 7 calendar years TIS, whichever is first. An aircraft already past that point must comply by the next scheduled maintenance, within 100 hours TIS. The job includes a bolt hole size check on the wing spar. Ask for the logbook entry.

WING ATTACH FITTINGS (SB 1244C)

Applies to serials 3232001 and up. Inspectors look for corrosion on the aft wing spar and attach fittings, repeating at 2,000 hours or 7 calendar years. SB 1244B lists minimum thicknesses of 0.060 inches for the aluminum aft spar and 0.117 inches for the steel fitting. If a corrosion repair kit was fitted, check which drawing revision was used. Old Rev C/D torque units were wrong; correct values are inch-pounds.

ELECTRICAL SYSTEM (SB 1428)

Applies to serials 3232001 thru 3232067. The diode cooler is inspected for worn insulating washers, overheating, shorts and ferrous residue. Compliance is due within 50 hours TIS, then at each scheduled maintenance event or 100 hours TIS. Damaged insulators are replaced as a set of four, P/N 467-067. Check logbooks for compliance entries and any alternator problems.