

LEARJET 55 Model Guide

LEARJET 55 is a turbofan business jet from Learjet. Its family covers the 55, 55B and 55C. Registry data for the whole family shows up to 8 passengers, up to 2390 nm range, up to 455 kt cruise, up to 51000 ft service ceiling and up to 9700 kg MTOW. These are family maxima, not figures for every variant. The documents supplied cover an operating checklist, main wheel parts and a divan modification.

KEY TAKEAWAYS

- Family maxima only: up to 2390 nm range, 455 kt cruise, 51000 ft ceiling and 8 passengers.
- The family includes the 55, 55B and 55C, so confirm the exact variant and get its own figures.
- Main wheel assemblies were changed by service bulletins Lear 55-32-3, 55-32-4 and 55-32-5. Check which are incorporated.
- Divans fitted under STC ST01580WI need inspection every 300 hours or 12 months.

SAFETY NOTES

- Checklist: release the parking brake before taxi, and check brakes, steering, anti-skid and thrust reversers during taxi.
- Divan frame with cracks, corrosion or permanent deformation over 1/4 of tube diameter must be removed and returned to Aviation Fabricators for repair or replacement.
- Some main wheel parts are listed as not procurable. Confirm parts availability before you buy.

CHECKLIST AND OPERATING FLOW

The Lear 55 checklist (Rev. 3/26/2004) is a PNF/PF list. It runs from start through taxi, line up, climb (FL 180), cruise, descent, approach, landing and shutdown. For a go-around it calls for: autopilot disengaged, flaps 8 degrees, gear retracted at positive rate, then climb at approach speed and flaps up at Vref + 30.

WHEELS AND BRAKES PARTS

The main wheel assembly is part 5004913. It has several dash-number versions, and some were added by service bulletins Lear 55-32-3, 55-32-4 and 55-32-5. The Aviall catalog marks some items as not procurable, to be used until stock depletion. The same wheel is listed for Learjet 23, 24, 25, 31, 35, 36, 55 and 56.

DIVAN MODIFICATION (STC ST01580WI)

ICA AF-487 Rev A (July 14, 2011) covers 2-place side-facing divans on Learjet models 55, 55B, 55C and 60. Inspect the upholstery, belts, fittings and frame every 300 hours or 12 months. The ICA lists no additional overhaul limits and no airworthiness limitations for the divan installation.