

DASSAULT FALCON 10 Model Guide

The DASSAULT FALCON 10 is a turbofan business jet. Registry data for the whole Falcon 10 family shows up to 8 passengers, up to 1920 nm range, and up to 416 kt cruise. For a buyer, the source documents mostly concern upkeep: life-limited parts, corrosion control, an air-conditioning service bulletin and dispatch relief rules.

KEY TAKEAWAYS

- Family-level figures: up to 8 passengers, 1920 nm range, 416 kt cruise, 45000 ft ceiling (not exact variant data).
- The maintenance program assumes a 'standard' aircraft, meaning unmodified primary structure and normal passenger-transport use.
- Landing gear and engine-attachment bolts have hard life limits. Check the logbook for landings and hours.
- Check whether the air-conditioning R-134a kit was fitted before April 2004 and whether the flex lines were re-routed.

LIFE LIMITS AND STRUCTURE

The program covers standard aircraft below 20 000 flights/30 000 hours. Nose gear is limited to 18800 landings (17500 with SB F10-238). Main gear is limited to 18800 landings (15000 with SB F10-238). The slat anti-icing hose is limited to 350 hours. After SB F10-82, each unpaved-runway landing counts as 7 paved landings.

NON-STANDARD AIRCRAFT AND CORROSION

An aircraft is non-standard if its structure was changed by an STC or repaired without Dassault review. Regular cargo, flight training, research or search-and-rescue use also makes it non-standard. Operators must keep principal structure at corrosion level 1 or better under a CPCP and add extra instructions for STCs and repairs.

AIR CONDITIONING AND DISPATCH RELIEF

SB 59-000-2 applies to Falcon 10s with the R-134a upgrade kit installed before April 15, 2004. It re-routes the No. 8 discharge flex line under the No. 10 suction line. Compliance is recommended if the compressor head gasket gives trouble. The Transport Canada MMEL supplement lets the autopilot be inoperative only with a minimum crew of two.

PERFORMANCE

Family Max Range Nm	1920
Family Max Cruise Speed Kt	416
Family Max Service Ceiling Ft	45000

SAFETY NOTES

- Engine rear attachment auxiliary fitting bolt: 1050 hours without thrust reversers, 500 hours with them. Confirm the hours flown.
- Failing the mandatory maintenance instructions leads to immediate suspension of the airworthiness certificate.
- Audio selector panels must be operative for dispatch under the Transport Canada MMEL supplement.