

DASSAULT FALCON 7X Model Guide

DASSAULT FALCON 7X is a three-engine turbofan business jet from Dassault. Registry data for the Falcon 7X family shows up to 6400 nm range, up to 51000 ft service ceiling, up to 33100 kg MTOW and up to 14 passengers. The supplied documents cover the APU, flight-manual changes, service bulletins and an airworthiness directive. They do not give variant-specific performance.

KEY TAKEAWAYS

- Family-level figures only: up to 6400 nm range, 51000 ft ceiling and 14 passengers. Aircraft-specific performance is not in the supplied documents.
- SB 7X-586 (Oct 16, 2024) is mandatory: replace SPECU P/N 051243-01 with Amdt C on serial numbers 1 thru 400 that lack it.
- Radio-altimeter lock-up AD 2015-06-04 applies to all Falcon 7X. Confirm the AFM revision and procedure 3-140-70A are incorporated.
- AFM change CP0177 (approved June 28, 2021) can be used with AFM revision 24 until revision 25 arrives. Check that it is filed.

SERVICE BULLETINS AND ADS TO VERIFY

SB 7X-586 is mandatory (spoiler control, SPECU). The recommended timing is the next 36 M or 2400 FH inspection, unless an AD says otherwise. After the swap, inspect the SPPCU for overheating or hydraulic leak marks. A separate mandatory SB covers checking the four pylon bleed air leak detector loops. SB 7X-213 (ECL V0007, 1 labor hour) is optional. AD 2015-06-04 covers radio-altimeter lock-up.

SYSTEMS AND PROCEDURES NOTES

The APU is a Honeywell 36-150 for ground operation only. Its starter-generator is rated 28.5 V / 400 A. It is fed from fuel tank 2 and started from battery No 1. The ECU shuts it down automatically if limits are exceeded. The AFM recommends rejecting takeoff for any failure below 80 kt. Above 80 kt, reject for major failures such as any red CAS message.

SPECIFICATIONS

Family Max Range Nm	6400
Family Max Service Ceiling Ft	51000
Family Max Passengers	14

SAFETY NOTES

- A rejected takeoff started after V1 could lead to a runway overrun (AFM operating technique).
- Radio-altimeter lock-up can inhibit warnings. Per the AD, the older RA part number 066-01153-4001 is described as more prone to lock-ups.
- For unreliable flight data, the AFM says to fly using SFD. For ADS/IRS miscompare it says to select ADS 3 and IRS 3.