

DASSAULT FALCON 8X Model Guide

DASSAULT FALCON 8X is a Dassault jet with turbofan power. It has three engines, because one avionics bulletin refers to the "two remaining engines" after an engine failure. The inputs give no range, speed, weight or seating figures. This guide covers the service bulletins that apply to serial numbers 402 and subsequent.

KEY TAKEAWAYS

- Three service bulletins are on file for serial numbers 402 and subsequent. They cover avionics (EASy), flight-control software and a mandatory EASy III fix.
- SB 590 (EASy III 4th cert, load 16.6.3) is MANDATORY. Confirm it is done, since it fixes a weakness that can show misleading data on the displays.
- Optional upgrades include EASy IV load 18.0 (SB 600) and the MAIC software update (SB 509). Dassault says these can be done at your convenience.
- The inputs give no performance, weight or seating data. Get those figures from the flight manual and the seller.

SAFETY NOTES

- Using the wrong CMC-RT or DLS version to load software can cause AGM failures that may need AGM replacement.
- Before an operational software load, check that the CRC32 value on the load CD-ROM matches the value shown on Falcon Portal.
- Flight-control module uploads must be done by an authorized, trained operator. The aircraft must have no FCS failures during the procedure.

MANDATORY AVIONICS FIX (SB 590)

SB 590, dated April 19, 2022, applies to DASSAULT FALCON 8X aircraft with serial numbers 402 and subsequent. It upgrades the aircraft to EASy III load 16.6.3, a full software load. The fix addresses a weak point that can lead to misleading data on the display units. SB 7X-550 (EASy III 3rd cert) is a prerequisite. Compliance is mandatory.

OPTIONAL EASY IV UPGRADE (SB 600)

SB 600, dated November 07, 2022, moves the avionics to EASy IV load 18.0. It adds a runway overrun awareness and alerting system (ROAAS), an Engine-out Auto/Throttle, Honeywell NextGen FMS, improved Jeppesen charts and Visual Separation on Approach. The work includes wiring changes, MAU module and TCAS transceiver replacement, and an RDR-4000 upgrade. It adds no weight and does not change balance. Compliance is at your convenience.

FLIGHT CONTROL SOFTWARE (SB 509)

SB 509, dated September 15, 2021, uploads new software to the four MAIC modules. This changes the compatibility table so the latest SFCC and MFCC modules can be installed on in-service aircraft. It applies to aircraft with M1655 or SB 7X-412 and without M1811. The upload must be done by an operator authorized by Dassault Equipements after specific training. Compliance is at your convenience.