BOMBARDIER CHALLENGER 850 Model Guide

The BOMBARDIER CHALLENGER 850 is a jet. The inputs give no seat count, range, speed or weight for it, so none are quoted. The registry family entry is Canadair Regional Jet Series 100 (turbofan), with variants CL-600-2B19 (Series 100 and Series 440). The one source document is a Bombardier advisory wire on 5G radio altimeter risk.

KEY TAKEAWAYS

- The inputs hold no specs, performance or weights for the BOMBARDIER CHALLENGER 850, so none are quoted. Get them from the flight manual.
- Bombardier gives no AFM revision for the Challenger 850 and refers owners to MHI RJ Flight Operation Note (FON) 34-012.
- The service bulletin table for the radio altimeter filter has no Challenger 850 entry. Ask the seller for the aircraft's 5G status.
- Bombardier says all its aircraft are currently identified as non-radio altimeter tolerant unless built after the modsum or fitted with the listed SBs.

5G RADIO ALTIMETER ISSUE

FAA AD 2023-10-02 (effective May 26, 2023) and TCCA AD CF-2023-46 address 5G C-Band (3.7-3.98 GHz) interference with radio altimeters (4.2-4.4 GHz). Non-tolerant aircraft must carry AFM limitations. Fitting radio altimeter tolerant equipment ends those limitations. The advisory wire (AW000-34-0010, Rev 08) covers all Challenger models.

CHALLENGER 850 STATUS

Table 2 of the advisory wire shows only a note for the Challenger 850 and sends readers to MHI RJ FON 34-012. The filter service bulletins in Table 3 cover the Challenger 300, 350/3500, 604, 605 and 650, but not the 850. Before buying, confirm in writing the aircraft's radio altimeter tolerance status and which AFM limitations apply.

SAFETY NOTES

- Operators must follow all AFM limitations for 5G C-Band radio altimeter interference, including the Autopilot and Autothrottle limitations.
- The FAA confirmed that only SA CAT I, SA CAT II, CAT II and CAT III procedures are prohibited under the AD's AFM limitation.
- If a radio altimeter anomaly occurs in US airspace, notify air traffic control as soon as practical and file a report after the flight.

AI-aggregated guide for the BOMBARDIER CHALLENGER 850 · sources: REFERENCE NO: AW000-34-0010, Rev 08 (#100256) · generated 2026-11-25 · Reference only, not for flight. Check the original documents before relying on this guide.