

# Boeing 787 Dreamliner struggles

● **Jul 2007:** Boeing rolls out its first 787 Dreamliner

① **Oct:** Initial deliveries held up following glitch in flight-control software

② **Dec 2008:** Delivery schedule pushed to 2010 after Boeing encounters problems with **fasteners** – bolts used to join titanium components to plane's composite fuselage

● **Dec 15, 2009:** 787 Dreamliner takes to sky for first time. First delivery scheduled for 2010

③ **Nov 2010:** Emergency landing after onboard fire in rear electronics bay. Redesign pushes delivery three years behind schedule

④ **Jul 2012:** During pre-delivery taxi test 787 suffers **contained engine failure** – fan shaft fractures

⑤ **Dec 2012:** United Airlines 787 experiences failure in midflight of one of its six generators that power all-electric flight system

⑥ **Jan 2013:** Fires in high-capacity **lithium-ion batteries** on two 787s cause entire fleet to be grounded – jet returns to service in April with Federal Aviation Administration (FAA) approval

**May 2006**  
Boeing and partners develop the 787 Dreamliner – world's first major commercial plane to use composite materials

● **Apr 2020:** 1,000th 787 rolls out of factory in Charleston, South Carolina

⑦ **Sep:** Flaws found in **horizontal stabiliser**. Up to 893 aircraft are believed to be affected

● **Oct 2020:** Boeing halts delivery. Deliveries resume under FAA scrutiny in Mar 2021

⑧ **May 2021:** Assembly problems with **shims** – tiny pieces of composites that fill gaps where sections of fuselage join – and **skin flatness** issues, cause production cut and halt to deliveries

⑨ **Jul:** FAA identifies quality issue in **forward pressure bulkhead**

⑩ **Oct 14:** Boeing says that some **titanium components are weaker than they should be**. Parts include fittings that secure floor beams which support passenger seats, galleys and lavatories