

# BOEING 787-8

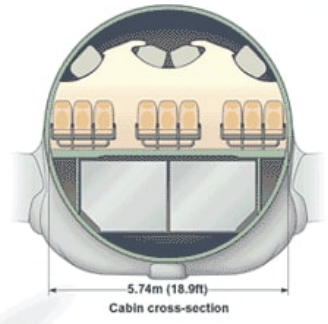


- 1 Radome housing "smart" radar
- 2 Forward pressure bulkhead - composite
- 3 Two-crew cockpit featuring five 228 x 305mm Rockwell Collins LCD's, electronic flight instrument system and flight bag with dual head-up display system
- 4 Avionics bay
- 5 Forward retracting, fully steerable twin-wheel nose landing gear - Messier-Dowty
- 6 Lavatory
- 7 Cabin crew jump-seat
- 8 Flight crew access ladder
- 9 Flight crew rest area
- 10 Fuselage - single-piece composite fibreglass carbon laminate
- 25 Aileron - fibreglass
- 26 Main-wing box - carbon laminate
- 27 Outboard hinged panels - carbon laminate
- 28 Outboard flap - carbon laminate
- 29 Flaperon - carbon laminate
- 30 Inboard spoilers (hinged) - carbon laminate
- 31 Four wheel main landing gear - Messier-Dowty incorporating Goodrich or Messier-Bugatti electric brakes
- 32 Main landing gear support beam
- 33 Inboard flap - fibreglass epoxy
- 34 Centre wing box - CFRP
- 35 Controllable photochromatic passenger windows - 483 x 279mm
- 36 Mid-fuselage lavatories

- 37 Rear cargo hold
- 38 Broadband-enabled passenger cabin - 176 seats depicted 33in pitch
- 39 Cabin floor structure - composite
- 40 VHF 2 antenna
- 41 Rear fuselage - single-piece composite fibreglass carbon laminate
- 42 Access ladder to cabin-crew rest berths
- 43 Rear lavatories
- 44 Overhead cabin crew rest cabin - six berth
- 45 Rear galleys
- 46 Rear pressure bulkhead - composite
- 47 Tailplane - carbon laminate elevator carbon sandwich
- 48 APU - Hamilton Sundstrand

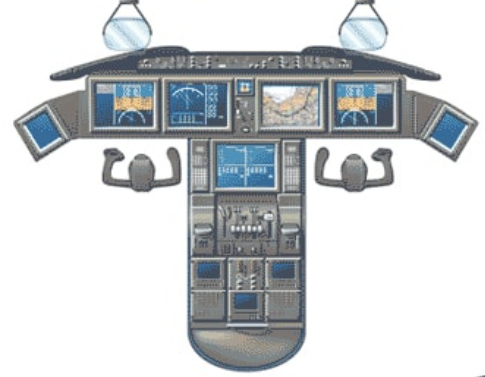


Front elevation showing in-flight wing flex



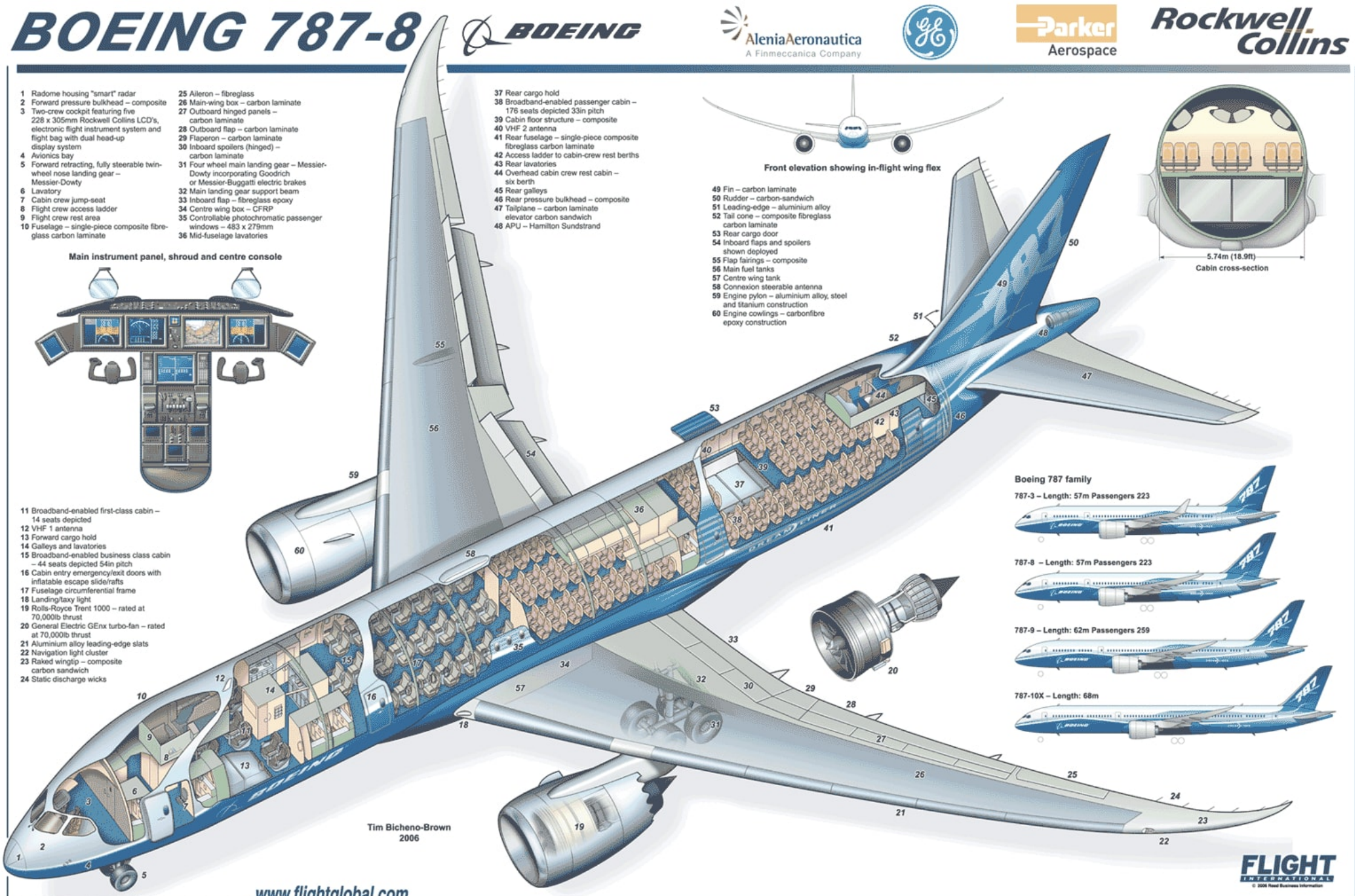
Cabin cross-section

Main instrument panel, shroud and centre console



- 11 Broadband-enabled first-class cabin - 14 seats depicted
- 12 VHF 1 antenna
- 13 Forward cargo hold
- 14 Galleys and lavatories
- 15 Broadband-enabled business class cabin - 44 seats depicted 54in pitch
- 16 Cabin entry emergency/exit doors with inflatable escape slide/rafts
- 17 Fuselage circumferential frame
- 18 Landing/laxy light
- 19 Rolls-Royce Trent 1000 - rated at 70,000lb thrust
- 20 General Electric GEnx turbo-fan - rated at 70,000lb thrust
- 21 Aluminium alloy leading-edge slats
- 22 Navigation light cluster
- 23 Raked wingtip - composite carbon sandwich
- 24 Static discharge wicks

- 49 Fin - carbon laminate
- 50 Rudder - carbon-sandwich
- 51 Leading-edge - aluminium alloy
- 52 Tail cone - composite fibreglass carbon laminate
- 53 Rear cargo door
- 54 Inboard flaps and spoilers shown deployed
- 55 Flap fairings - composite
- 56 Main fuel tanks
- 57 Centre wing tank
- 58 Connexion steerable antenna
- 59 Engine pylon - aluminium alloy, steel and titanium construction
- 60 Engine cowlings - carbonfibre epoxy construction



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2006

### Boeing 787 family

787-3 - Length: 57m Passengers 223



787-8 - Length: 57m Passengers 223



787-9 - Length: 62m Passengers 259



787-10X - Length: 68m

