

# Boeing 747 emergency manual

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**What is the emergency landing distance for a 747?** Summary. The minimum landing distance of a Boeing 747-400 is around 1,500 meters or roughly 5,000 feet. The larger and heavier Boeing 747-8 has been recorded landing with as little as 4,200 feet of runway. Many small airports have runways shorter than a kilometer, limiting aircraft types that can use them.

**What is the stall speed of a 747?** The stall speed with full flaps and slats, in some of the coldest, densest air on the planet would still be ~120kts.

**How to start a 747 in an xplane?**

**What is the maximum altitude of a 747?** It is the highest flying subsonic passenger airliner, with a service ceiling of 45,100 feet (13,700 meters). Boeing needed a smaller aircraft to compete with the McDonnell Douglas DC-10 and Lockheed L-1011 TriStar tri-jet wide-bodies, introduced in 1971/1972.

**How long of a runway does a 747 need to stop?** This length allows the aircraft to accelerate to the necessary speed, achieve lift-off, and clear any obstacles. For landing, a 747-400 requires a runway length of approximately 7,500 to 8,000 feet (2,286 to 2,438 meters). This length allows the aircraft to safely decelerate and come to a stop.

**What is the exit limit for a 747?** The initial version offered a typical three-class capacity of 366 (and an exit limit of 440). This increased to 416 (and a limit of 660) by the time of the 747-400. This was vastly more than any other aircraft available at that time.

**Can a 747 recover from a stall?**

**Why is 747 called Queen of the Skys?** Flying the 747—as well as flying on the 747—was an experience that no other aircraft offered, with a staircase to the upper deck. It was so culturally and economically significant, and had such a unique figure, that it had its own nickname: Queen of the Skies.

**How fast can a 747 fly at sea level?** That's 480 to 575 mph or 770 to 930 km/h. Here are some specifics: Boeing 747: Depending on the specific variant, it can cruise at speeds around Mach 0.85, which is approximately 570 mph (920 km/h) at cruising altitude.

**What is the start speed of a 747?** A typical takeoff speed for a Boeing 747 is around 160 knots (184 mph), depending on the jet's wing flap configuration, the number of passengers aboard, and the weight of their luggage, fuel load, current weather conditions, and other factors.

**Does 747 have flybywire?** The 747-8 aircraft has conventional rather than fly-by-wire controls.

**How do you start a 737?**

**Why did Boeing stop making the 747?** Like the even bigger Airbus A380 (in the foreground), the 747 no longer meets the economic requirements of airlines that prefer long-haul, dual-engine aircraft such as the A350 or the Boeing 777 and 787. In the past year, there were only 20 or so outstanding orders for the 747, all of them for freight carriers.

**Can a 747 climb vertically?** Can a 747 fly vertically? - Quora. No. While the engines are powerful, they're not designed for full vertical flight. You're talking about an empty (with ballast pallet) airplane with a zero fuel weight (B747-200) of 238000 lbs.

**How many engines can a 747 fly on?** It is one of the most recognizable and iconic aircraft in the world, and has earned the nickname “Queen of the Skies”. The Boeing 747 can fly on one engine only, but it is not recommended or desirable to do so. The Boeing 747 needs all its four engines to maintain a safe and efficient flight.

**How long can a 747 fly non stop?** This depends on the size of the plane, its efficiency, and how fast it's flying. A modern Boeing 747 can fly about 15,000 km (9,500 miles) when it's flying at 900 kmh (550 mph). This means it can fly non stop for almost 16 hours!

**How long does a 747 engine last?** Long-Range Widebody Aircraft For instance, the Boeing 747, an iconic widebody aircraft, has an estimated lifespan of 35,000 flight cycles. On the other hand, the composite-structured Boeing 787 Dreamliner can endure up to 44,000 flight cycles.

**How long can a 747 fly without engines?** Without engine thrust, the 747 had a glide ratio of 15:1, meaning it can glide forward 15 kilometres for every kilometre it drops. After calculating the glide ratio, the crew realized that they had less than 30 minutes to regain power before they smashed into the ground.

**Can a 747 back up on its own?** No commercial passenger plane can reverse in the air and the pilots can't intentionally deploy reverse thrust in flight in any modern passenger jet aircraft. Reverse thrust is 'locked out' until the aircraft senses its wheels are on the ground.

**Can you open a 747 door in flight?** Pressure, pressure, pressure Once airborne, a pressurized aircraft's doors can not be opened. This is true for pilots, flight attendants, and passengers. Why? For the simple reason that cabin pressure won't allow it, as it is far too strong for anyone to open them.

**How far can a fully loaded 747 fly?** The 747's maximum takeoff weight ranges from 735,000 pounds (333 t) for the -100 to 970,000 pounds (440 t) for the -8. Its range has increased from 5,300 nautical miles (9,800 km; 6,100 mi) on the -100 to 8,000 nautical miles (15,000 km; 9,200 mi) on the -8I.

**How many landings do 747 tires last?** Most landing gear tires on commercial airplanes last for about 200 to 400 landings on average. Each landing will expose the tires to wear and tear.

**Can an airliner glide if the engines quit?** Key Takeaways. Any plane can glide if its engines fail, with the distance and time it can glide depending on its altitude at the time of engine failure and its design characteristics.

**Can 747 make a comeback?** The Queen of the Skies makes a comeback And it is within the world of cargo and freight that we are seeing a resurgence in the B747-400; driven mostly by the Covid 19 pandemic there has been a huge increase in demand for cargo and therefore the 747-400.

**How many 747's have crashed?** Of the 1,554 747s built up to June of 2019, somewhere between 22 and 28, depending on what you want to count. \* 22 have permanently stopped flying due to crashing into things, \* 4 have exploded or disintegrated in mid-air, \* 1 has been shot down, and \* 1 has been destroyed by another 747 (one of the 22 noted ab...

**Why is 747 discontinued?** They are being retired because they cost more to operate (as people movers) when compared to twin engine planes, such as the 777, 787, and A350. Economics for the longest while predicted the demise of any commercial jets with more than 2 engines. Im surprised the 747 stayed in production as long as it did.

**Why the 747 is legendary?** A Game-Changer in Aviation With its spacious interior and unparalleled range, the 747 opened up new horizons for airlines and passengers alike. Its ability to carry hundreds of passengers across continents made it the preferred choice for long-haul flights, cementing its status as the “Queen of the Skies.”

**What is the minimum landing distance for a 737?**

**What is the landing distance for the A380?** 2 Answers. Airbus's A380 AIRCRAFT CHARACTERISTICS AIRPORT AND MAINTENANCE PLANNING data says that for an A380-800 at maximum certified landing weight landing at sea level a 7000 ft (~2150m) runway is required to land (in dry conditions, presumably).

**What planes can land on a 5000 ft runway?** What jets can land on a 5000 foot runway? If the runway is at sea level and the runway length is 5,000 feet then turbo props, light jets, mid-size jet and heavy jets have the performance. It's important to note that for every 2,000 feet of elevation, you need an increase of 1,000 feet in runway length.

**What is the landing distance of a 747 200B?** Takeoff distance 10,450. Landing distance 6,920. The Boeing 747 was designed to carry large numbers of passengers at low cost. The basic passenger design, designated 747-200B, is capable of carrying up to 500 passengers in a 10-abreast seating arrangement.

**What is the minimum takeoff distance for a 747-8?** This is not always the case for the BBJ 747-8. The weight of the aircraft and the amount of runway needed to operate from (minimum length of 7,500ft) rules out popular airports such as Teterboro and Van Nuys.

**What is the landing distance of a Boeing 777?** Takeoff distance 10,600. Landing distance 6,000. The 777 was initially imagined to be a variant of the 767, but eventually morphed into a whole new design.

**What is the required landing distance?** Required landing distance is the distance derived by applying a factor to the actual landing distance. Actual landing distances are determined during certification flight tests without the use of thrust reversers.

**What is the landing distance for the A320?**

**Can A380 land in small airport?** It can land at a whole lot of airports, that's not the problem. It doesn't actually need that much runway length. Of course it was designed for big airports, but when it comes to it many smaller airports are able to receive an A380 as well.

**How much runway does a 787 need?** A boeing 747-8 at the maximum take of weight MTOW would need about 3100 meters for taking off, it all depend on the performance of the day, for example air humidity, air temperature, how many "overweight" passenger, etc etc. Around 8,500 ft of runway is typically needed for a 787 to takeoff and achieve climb.

**What aircraft can fly at 60000 feet?** Some aircrafts are able to fly at much higher altitudes. For example, supersonic jets like the Concorde could reach altitudes of up to 60,000 feet (18,290 meters). Military aircrafts can go even higher - upwards of 70,000 feet (21,300 meters).

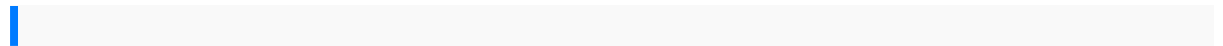
**What planes don't need a runway?** What are those planes called which take off from the ground directly without have to run on runway? If it is a fixed wing aircraft, they are called Vertical - Short - Take Off - Landing, or VSTOL.

**What is the shortest runway for A320?** The minimum runway length required for the Airbus A320 varies, influenced by factors such as load, weather conditions, and airport altitude. Typically, a fully loaded A320 operating under standard conditions requires a runway length of approximately 2,000 meters (6,562 feet).

**How slow can a 747 land?** What speed does a Boeing 747 land at? A 747 'Jumbo Jet' would typically land at a speed of about 145kts-150kts (166mph-172mph), depending on the landing flap setting selected.

**How high can a 747 climb?** To summarize, a Boeing 747 is incapable of ascending up to 60,000 feet. The highest altitude a commercial jetliner can reach is approximately 45,000 feet, while corporate aircraft can fly slightly above 50,000 feet, but only if they are specifically designed for that purpose.

**What is the shortest 747 landing?**



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