

## Boeing 747 Engine

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### The Boeing 747 Could Fly With 5 Engines - Simple Flying

You might have noticed a very odd-looking Boeing 747SP flying around the sky with five engines. But not five engines under the wing, but rather with a fifth engine on a separate wing up near the 747 bubble. This is the Pratt & Whitney Boeing 747SP testbed aircraft, used to test conceptual engine designs before entering full manufacturing. P&W has two of these Boeing 747SP's (the smallest Boeing 747) that they use for real-world flight testing.

Boeing 747 approaches end as supplier builds final jumbo ...

Can a Boeing 747 fly with a fifth engine? Thanks to the design of the Boeing 747, there are anchor points under the wing to attach various objects. One of these is a spare engine. Now, this engine isn't connected to the aircraft's systems and can't be used, but it is still secured and forms to the aircraft aerodynamics. Well, kind of. The extra engine does have three significant effects.

How Many Engines Can a Boeing 747 Fly On?

Without engine thrust, a 747-200 has a glide ratio of approximately 15:1, meaning it can glide forward 15 miles for every mile it drops. The flight crew quickly determined that the aircraft was capable of gliding for 23 minutes and covering 91 nautical miles (169 km) from its flight level of 37,000 feet (11,000 m).

Boeing 747-8 - Wikipedia

### **Boeing 747 Engine**

The Boeing 747-400 is a development of the Boeing 747-300 with a slightly increased wing span and winglets, with more powerful engines and a two man crew cockpit. The engine options are:

Pratt and Whitney PW4000, General Electric CF6-80C2B1F/B5F or Rolls-Royce RB211-524G2-19/G3-19/H2-19/G2-T-19/G3-T-19/H2-T-19.

Boeing 747 - Wikipedia

G-BDXJ is the registration of a Boeing 747-236B aircraft purchased by British Airways in 1980. After retirement it found a new life as a film prop, and has been preserved at Dunsfold Aerodrome since 2005. It is one of two 747s at Dunsfold, having been joined by G-CIVW, a Boeing 747-400 also previously operated by British Airways, since October 2020.

Boeing 747-400 | About BA | British Airways

There would be delays in getting the 747 into service, primarily due to problems with the Pratt & Whitney JT9D engines, but it was soon apparent that the Boeing 747 was the new world standard in transportation. Fast, comfortable, and reliable, Boeing 747s began racking up one record after another.

Boeing: 747-8

This ex-Qantas 747 is currently being adapted by AeroTec for the purposes of testing Rolls-Royce powerplants. Some will be installed in place of one of the four existing engines, but AeroTec has also been asked to reroute fuel, electrical equipment, and hydraulic systems so that an extra fifth engine can be mounted and tested.

**3 of 4 Atlas Air Boeing 747 Engines Strike Ground Landing ...**

Boeing 747-400; Number in fleet: 32; Passenger capacity: up to 345 (4 class) Length: 70.9m (231 feet 10 inches) Wingspan: 64.4m (211 feet 5 inches) Height: 19.4m (68 feet 8 inches) Engines: 4x Rolls Royce RB211-524H; Maximum speed: 988km/h (614mph, Mach 0.92) Range: 13,450km (8,357 miles)

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**How To Start A JET ENGINE - Boeing 737 By @DutchPilotGirl**

It was back in 1982 when a British Airways Boeing 747 flew into a cloud of volcanic ash over Indonesia. Due to the airborne particles ingested, all four engines shut off. Technology.org quotes the captain as saying: "Ladies and gentlemen, this is your captain speaking. We have a small problem. All four engines have stopped."

[Boeing 747-400 - Specifications - Technical Data / Description](#)

The early service jet was powered by the Pratt & Whitney JT-9 engine, which became a running joke, as Boeing went through 30 engines before they found four that could complete the 747's maiden flight. The problems continued long after the first models rolled out.

[Boeing 747 | HowStuffWorks](#)

On June 24, 1982, a Boeing 747 operated by British Airways ran afoul of volcanic ash, resulting in the failure (for a relatively brief but probably eternal-feeling period) of all four engines.

[Boeing 747-400 - Wikipedia](#)

Boeing 747-8 High-volume routes demand high-value returns. The First Class and Business Class sections of the 747-8 enable airlines to offer passengers the most private and premium accommodations in the sky.

[Qantas Once Flew A Boeing 747 With 5 Engines - Simple Flying](#)

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[Champagne bubbles & overheating engines: Boeing 747 ...](#)

The Boeing 747-400 is a wide-body airliner produced by Boeing Commercial Airplanes, an advanced variant of the initial Boeing 747. The "Advanced Series 300" was announced at the September 1984 Farnborough Airshow, targeting a 10% cost reduction with more efficient engines and 1,000 nmi (1,850 km) more range.

[Can The Boeing 747 Fly On One Engine? - Simple Flying](#)

While much of the world's passenger aircraft remain grounded, the 747 freighters are even more critical in transporting essential goods across the globe. Photo: Getty Images Details of Atlas Air's engine strike.

According to the Aviation Herald, the Atlas Air Boeing 747-400 was flying on behalf of DHL, with registration N408MC. This aircraft was performing flight 5Y-8939, which originated in Seoul-Incheon (South Korea) and destined for Shanghai Pudong (China).

[The 5 Engine Jumbo Jet: The Pratt & Whitney Boeing 747 SP...](#)

The aviation industry has begun the final countdown for its four-engine behemoths: the 747 and Airbus SE's A380. The double-decker jets had been overtaken by more efficient twin-engine models like the 777, the 787 Dreamliner and the A350, long before the Covid-19 pandemic flattened demand for long-range flying.

[Boeing 747 - Simple English Wikipedia, the free encyclopedia](#)

The 747-400 was the next-generation Boeing 747 introduced in 1989. It is the best-selling variant of the Boeing 747. It includes improvements over the 747-300 including new engines, and new winglets, which improve fuel efficiency. Its length is the same as the 747-300 but the wingspan has been increased to 211 feet 5 inches.

[British Airways Flight 9 - Wikipedia](#)

On July 31, 2013, an Airbridge Cargo 747-8F experienced core engine icing that caused engine malfunctions and damage to three engines near Chengdu, China, while en route to Hong Kong; the aircraft landed safely at its destination. Boeing and General Electric are working on software changes to mitigate the effects of core engine icing.

The Boeing 747, here an Iberia 747-200, is a low-wing airliner powered by four turbofans, with a distinctive raised forward passenger deck and cockpit. The Boeing 747 is a large, long-range wide-body airliner and cargo aircraft manufactured by Boeing Commercial Airplanes in the United States.