

747 400 component locator guide

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Technical Specifications of the Boeing 747-400**

The Boeing 747-400 is a wide-body airliner with the following technical specifications:

- Length: 70.6 m (231 ft 10 in)
- Wingspan: 64.9 m (213 ft)
- Height: 19.4 m (63 ft 8 in)
- Maximum takeoff weight: 412,800 kg (909,000 lb)
- Engines: Four General Electric CF6-80C2B5F or Rolls-Royce RB211-524G engines
- Fuel capacity: 239,760 L (63,110 US gal)

Number of Parts in a Boeing 747-400

A Boeing 747-400 aircraft comprises approximately 6 million individual parts.

Starting a 747 in X-Plane

To start a 747 in X-Plane, follow these steps:

1. Turn on the battery using the panel switch.
2. Set the throttle to the "Idle" position.
3. Select the "Start" engine option from the panel or by pressing "Ctrl+E."
4. Once all engines are running, set the throttle to the takeoff position.

Maximum Altitude of a 747

The maximum altitude a Boeing 747 can reach is approximately 45,000 feet (13,700 meters).

Reasons for the Retirement of the 747-400

The Boeing 747-400 was retired due to a combination of factors, including:

- Declining demand for large, four-engine aircraft
- Increasing operating costs compared to newer, more fuel-efficient aircraft
- Introduction of more efficient twin-engine wide-body aircraft

Materials Used in the Boeing 747-400

The Boeing 747-400 is primarily constructed from aluminum alloys, with some composite materials used in the wings and tail.

Number of Rivets in a 747

Estimates vary, but it is estimated that there are approximately 6 million rivets in a Boeing 747.

Engine Type in the Boeing 747-400

The Boeing 747-400 is powered by four General Electric CF6-80C2B5F or Rolls-Royce RB211-524G engines.

Learning to Fly with X-Plane

X-Plane is a flight simulation software that can be used to learn to fly virtually. While it is not a substitute for certified flight training, it can provide a valuable learning experience.

Nickname for the Boeing 747

The Boeing 747 is nicknamed the "Queen of the Skies" due to its large size and iconic humpback design.

Lifespan of a Boeing 747-400

The lifespan of a Boeing 747-400 depends on usage and maintenance, but it typically ranges from 25 to 35 years.

Fuel Capacity of a Boeing 747-400

The fuel capacity of a Boeing 747-400 is approximately 239,760 L (63,110 US gal).

Number of Wheels on a 747-400

A Boeing 747-400 has 22 wheels, with four wheels on each main landing gear and two wheels on each nose gear.

Type Rating of the Boeing 747-400

The type rating for the Boeing 747-400 is B744.

Fly-by-Wire System in the Boeing 747-400

The Boeing 747-400 does not have a full fly-by-wire system. However, it utilizes a hybrid system that incorporates some fly-by-wire technology.

Empty Weight of a Boeing 747-400

The empty weight of a Boeing 747-400 is approximately 187,700 kg (413,800 lb).

Category of Aircraft for the Boeing 747-400

The Boeing 747-400 is classified as a wide-body, long-haul airliner.

Maximum Cruising Altitude of a 747-400

The maximum cruising altitude for a Boeing 747-400 is approximately 45,000 feet (13,700 meters).

Single-Engine Capability of a 747-400

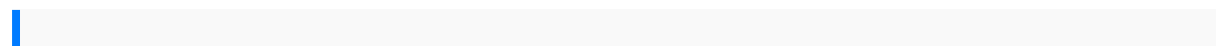
A Boeing 747-400 is capable of flying on a single engine for a limited distance and altitude. However, it is not recommended as a normal operating procedure.

Top Speed of a 747-400

The top speed of a Boeing 747-400 is approximately Mach 0.85 (570 mph / 917 km/h).

Oldest 747-400 in Service

The oldest Boeing 747-400 still in service is believed to be N661US, which was delivered to United Airlines in 1989.



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