

737ng management reference guide

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The Boeing 737NG: A Comprehensive Guide**

Introduction

The Boeing 737 Next Generation (NG) is a family of narrow-body commercial jet airliners. It is an updated version of the original 737, with new engines, a redesigned wing, and updated cockpit technology.

Engines

The 737NG is powered by two CFM International CFM56-7 engines. These high-bypass turbofan engines are flat and mounted on the side of the fuselage, giving the 737NG its distinctive appearance.

Number in Service

As of June 2023, there are over 7,000 Boeing 737NG aircraft in service worldwide.

Quick Reference Handbook (QRH)

The QRH is a quick reference guide that provides pilots with emergency procedures. The QRH for the 737NG is available online and in the cockpit.

Dimensions

- Wingspan: 117.3 feet (35.7 meters)
- Length: 102.0 feet (31.1 meters)
- Height: 36.5 feet (11.1 meters)

Difference Between 737 and 737NG

The 737NG features several improvements over the original 737:

- New CFM56-7 engines
- Redesigned wing with winglets
- Updated cockpit with flat-panel displays and GPS navigation
- Increased range and fuel efficiency

Flat Engines

The CFM56-7 engines are mounted on the side of the fuselage to reduce drag and noise. This flat engine design also allows for easier maintenance.

Which Boeings to Avoid

There is no definitive answer to which Boeings to avoid. However, some models have experienced more accidents and incidents than others. These include the 737 MAX, 727, and 747.

Introduction Date

The 737NG was introduced in 1997 and has been in production ever since.

Service Life

The average service life of a 737NG is approximately 25 years.

Boeing 737 BDSF

The 737 BDSF (Boeing Dedicated Freighter) is a cargo variant of the 737NG. It has a large cargo door and a reinforced floor to accommodate heavy cargo.

FAC Meaning

FAC (Fuel Auto Control) is a system on the 737NG that automatically adjusts the fuel flow to the engines.

SAS 737 Fleet

Scandinavian Airlines (SAS) has over 70 Boeing 737NG aircraft in its fleet.

737NG Production

The 737NG is still in production, with new orders being placed regularly.

Fuel Consumption

The 737NG burns approximately 3,200 pounds of fuel per hour when cruising at a speed of Mach 0.78.

Largest Operator of 737

Southwest Airlines is the largest operator of the 737NG, with over 500 aircraft in its fleet.

Advantages of 737 MAX over 737

The 737 MAX features several advantages over the 737NG, including:

- More efficient LEAP-1B engines
- Advanced wing design
- Updated cockpit technology
- Increased range and payload

Types of 737

There are several different types of 737 aircraft, including the original 737, the 737NG, the 737 MAX, and the 737 BDSF.

Oldest B737

The oldest Boeing 737 still in service is a 737-100 operated by Alaska Airlines. It was delivered in 1968.

Difference Between 737NG and 737 MAX

The 737NG and 737 MAX are similar aircraft, but the MAX features more efficient engines, a redesigned wing, and updated cockpit technology.

Difference Between 737-800 and 737NG

The 737-800 is a member of the 737NG family. It is slightly larger and has a longer range than the other 737NG variants.

737 Landing Without Engines

A 737 can land without engines, but it requires a skilled pilot and precise execution. This is known as a "dead-stick landing."

737 MAX Engines

The 737 MAX is powered by two CFM International LEAP-1B engines.

737 Engine Manufacturer

The engines for the Boeing 737 are manufactured by CFM International, a joint venture between Safran Aircraft Engines and GE Aviation.

737 Classic Engine

The original Boeing 737 (known as the "Classic") is powered by Pratt & Whitney JT8D engines.

737-800 Engines

The Boeing 737-800 is powered by two CFM International CFM56-7B engines.

737 MAX Single-Engine Flight

The 737 MAX is capable of flying with one engine, but it is not certified to take off with only one engine.

737 MAX Engine Cost

The cost of a single CFM LEAP-1B engine for the 737 MAX is approximately \$15 million.

737 Number of Engines

The Boeing 737 has two engines.

737NG Production Status

The 737NG is still in production, but Boeing plans to phase it out in the coming years.

Boeing 737 Made in China

Boeing has a manufacturing facility in China where it produces the 737NG.

Rolls-Royce Engines on Boeing

Boeing does not use Rolls-Royce engines on any of its commercial aircraft.

Best Boeing Engine

The CFM LEAP-1B engine used on the 737 MAX and other Boeing aircraft is considered one of the best commercial aircraft engines in the world.

Flat Engines on 737

The flat engines on the 737 are designed to reduce drag and noise, and they also make maintenance easier.

737-900 vs. 737 MAX 9

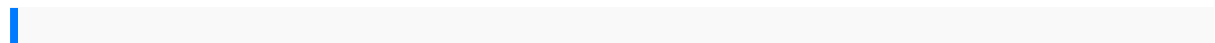
The Boeing 737-900 is the same size as the 737 MAX 9, but it has older engines and cockpit technology.

Difference Between 737-800 and 737NG

The 737-800 is a member of the 737NG family. It is slightly larger and has a longer range than the other 737NG variants.

CFM Owner

CFM International is a joint venture between Safran Aircraft Engines and GE Aviation.



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