

Airbus A350 Flight Manual

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The initial A350 design proposed in 2004, in response to the Boeing 787 Dreamliner, would have been a development of the Airbus A330 with composite wings, advanced winglets, and new efficient engines.

Due to inadequate market support, Airbus switched in 2006 to a clean-sheet "XWB" (eXtra Wide Body) design, powered by two Rolls-Royce Trent XWB high bypass turbofan engines. The prototype first flew on 14 June 2013 from Toulouse, France. Type certification from the European Aviation Safety Agency (EASA) was obtained in September 2014, followed by certification from the Federal Aviation Administration (FAA) two months later.

The A350 is the first Airbus aircraft largely made of carbon-fibre-reinforced...

Airbus A340

A330 twinjet. In June 1987, Airbus launched both designs with their first orders and the A340-300 took its maiden flight on 25 October 1991. It was certified

The Airbus A340 is a long-range, wide-body passenger airliner that was developed and produced by Airbus.

In the mid-1970s, Airbus conceived several derivatives of the A300, its first airliner, and developed the A340 quadjet in parallel with the A330 twinjet. In June 1987, Airbus launched both designs with their first orders and the A340-300 took its maiden flight on 25 October 1991. It was certified along with the A340-200 on 22 December 1992 and both versions entered service in March 1993 with launch customers Lufthansa and Air France. The larger A340-500/600 were launched on 8 December 1997; the A340-600 flew for the first time on 23 April 2001 and entered service on 1 August 2002.

Keeping the eight-abreast economy cross-section of the A300, the early A340-200/300 has a similar airframe to...

Airbus BelugaXL

for the BelugaXL, and nine times longer for A350 parts. After an Airbus A350 production increase, Airbus aimed to deliver 880 aircraft in 2019, and raise

The Airbus BelugaXL (A330-743L) is a large transport aircraft based on the Airbus A330-200F built by Airbus to replace the original Airbus BelugaST (Super Transporter) to transport very large aircraft components, such as wings. The aircraft made its first flight on 19 July 2018, and received its type certification on 13 November 2019. The BelugaXL entered service with Airbus Transport on 9 January 2020.

Airbus A380

"UPDATE 1-Airbus delivers first A350, rules out cancelling A380 project". Reuters. Jens Flottau (24 April 2015). "Airbus A380 Makes Maiden Flight (2005)"

The Airbus A380 is a very large wide-body airliner, developed and produced by Airbus until 2021. It is the world's largest passenger airliner and the only full-length double-deck jet airliner.

Airbus studies started in 1988, and the project was announced in 1990 to challenge the dominance of the Boeing 747 in the long-haul market. The then-designated A3XX project was presented in 1994 and Airbus launched the €9.5-billion (\$10.7-billion) A380 programme on 19 December 2000. The first prototype was unveiled in Toulouse, France on 18 January 2005, commencing its first flight on 27 April 2005. It then obtained its type certificate from the European Aviation Safety Agency (EASA) and the US Federal Aviation Administration (FAA) on 12 December 2006.

Due to difficulties with the electrical wiring,...

Airbus Beluga

The Airbus A300-600ST (Super Transporter), or Beluga, is a specialised wide-body airliner used to transport aircraft parts and outsize cargoes. It received

The Airbus A300-600ST (Super Transporter), or Beluga, is a specialised wide-body airliner used to transport aircraft parts and outsize cargoes. It received the official name of Super Transporter early on, but its nickname, after the beluga whale, which it resembles, gained popularity and has since been officially adopted.

Due to Airbus's manufacturing facilities being dispersed, the company had a long term need to transport sizeable components, such as wings and fuselage sections, to their final assembly lines. This had been met by a small fleet of Aero Spacelines "Super Guppies", but these aircraft were aged and increasingly maintenance-intensive to keep in operation. While several different existing aircraft were studied, none were found to be fully

satisfactory. Instead, the company came...

Airbus A320neo family

been encountered in actual operation. Airbus has addressed the issues through temporary revisions to the flight manual, including loading recommendations

The Airbus A320neo family is an incremental development of the A320 family of narrow-body airliners produced by Airbus.

The A320neo family (neo being Greek for "new", as well as an acronym for "new engine option") is based on the enhanced variant of the previous generation A319, A320, and A321, which was then retroactively renamed the A320ceo family (ceo being an acronym for "current engine option").

Re-engined with CFM International LEAP or Pratt & Whitney PW1000G engines and fitted with sharklet wingtip devices as standard, the A320neo is 15% to 20% more fuel efficient than prior models, the A320ceo.

It was launched on 1 December 2010, made its first flight on 25 September 2014 and was introduced by Lufthansa on 25 January 2016.

By 2019, the A320neo had a 60% market share against the competing...

Flight control modes

including the A320, A330, A340, A350 and A380 operate under Airbus flight control laws. The flight controls on the Airbus A330, for example, are all electronically

A flight control mode or flight control law is a computer software algorithm that transforms the movement of the yoke or joystick, made by an aircraft pilot, into movements of the aircraft control surfaces. The control surface movements depend on which of several modes the flight computer is in. In aircraft in which the flight control system is fly-by-wire, the movements the pilot makes to the yoke or joystick in the cockpit, to control the flight, are converted to electronic signals, which are transmitted to the flight control computers that determine how to move each control surface to provide the aircraft movement the pilot ordered.

A reduction of electronic flight control can be caused by the failure of a computational device, such as the flight control computer or an information providing...

History of Airbus

(4 October 2006). "Airbus will lose €4.8bn because of A380 delays". The Times. UK.[dead link] Aircraft Profile: Airbus

A350";. Flight International. Archived

Today's Airbus is the product of international consolidation in the European aerospace industry tracing way before the formation of the Airbus Industrie GIE consortium in 1970. In 2000, the European Aeronautic Defence and Space Company (EADS) NV was established through the merger of Aerospatiale-Matra of France and DASA from Germany, and that subsequently bought Construcciones Aeronauticas from Spain. In addition to other subsidiaries pertaining to security and space activities, EADS owned 100% of the pre-existing Eurocopter SA, established in 1992, as well as 80% of Airbus Industrie GIE. In 2001, Airbus Industrie GIE was reorganised as Airbus SAS, a simplified joint-stock company. In 2006, EADS acquired the remaining 20% shares of Airbus Industrie GIE from BAE Systems. EADS NV was renamed...

Air France Flight 447

Retrieved 6 June 2009. "Airbus ISIS";. Flight crew operating manual. Archived from the original on 20 June 2009. Retrieved 8 June 2009. "Airbus 330 - Systems -

Air France Flight 447 was a scheduled international transatlantic passenger flight from Rio de Janeiro, Brazil, to Paris Charles de Gaulle Airport, France. On 1 June 2009, inconsistent airspeed indications and miscommunication led to the pilots inadvertently stalling the Airbus A330. They failed to recover the plane from the stall, and the plane crashed into the mid-Atlantic Ocean at 02:14 UTC, killing all 228 passengers and crew on board.

The Brazilian Navy recovered the first major wreckage and two bodies from the sea within five days of the accident, but the investigation by France's Bureau of Enquiry and Analysis for Civil Aviation Safety (BEA) was initially hampered because the aircraft's flight recorders were not recovered from the ocean floor until May 2011, nearly two years after the...

Malaysia Airlines

A330neo to arrive in Q3; A350 cabin upgrade to start 2026";. FlightGlobal. 29 January 2024. "Malaysia Airlines reveals new Airbus A330-900 business and economy

Malaysia Airlines (Malay: Penerbangan Malaysia) is the flag carrier of Malaysia, headquartered at Kuala Lumpur International Airport. The airline flies to destinations across Europe, Oceania and Asia from its main hub at Kuala Lumpur International Airport. It was formerly known as Malaysian Airline System (Malay: Sistem Penerbangan Malaysia).

Malaysia Airlines is a part of Malaysia Aviation Group, which also owns two subsidiary airlines: Firefly and MASwings. Malaysia Airlines also owns a

freighter division: MASkargo and the religious charter subsidiary, Amal.

Malaysia Airlines traces its history to Malayan Airways Limited, which was founded in Singapore in the 1930s and flew its first commercial flight in 1947. It was then renamed as Malaysian Airways after the formation of the independent...

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