

Airbus A320 Flight Operational Manual

Flight control modes “Airbus Flight Control Laws”; the original on June 12, 2009. Bartley 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. 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. The control surface movements depend on which of several modes the flight computer is in. Airbus A320 AFM (requires page number, publisher, etc) Gregg F. Retrieved July 12, 2009 ed17649791

Keeping the eight-abreast economy cross-section of the A300, the early A340-200/300 has a similar airframe to... ed17649791 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"). ed17649791

Indonesia AirAsia Flight 8501 When search operations ended in March 2015, only 116 bodies had been recovered. This is the first crash and only fatal accident involving Indonesia AirAsia. from Surabaya, Java, Indonesia, to Singapore. On 28 December 2014, the Airbus A320-216 flying the route crashed into the Java Sea, killing all 162 of the Indonesia AirAsia Flight 8501 was a scheduled international passenger flight operated by Indonesia AirAsia from Surabaya, Java, Indonesia, to Singapore. On 28 December 2014, the Airbus A320-216 flying the route crashed into the Java Sea, killing all 162 of the people on board ed17649791

Airbus A340 developed into the long-range Airbus A310. Airbus then focused its efforts on the single-aisle market, which resulted in the Airbus A320 family, which was the The Airbus A340 is a long-range, wide-body passenger airliner that was developed and produced by Airbus ed17649791

Improved fully fly-by-wire systems interpret the pilot's control inputs as a desired outcome and calculate the control surface positions required to achieve that outcome; this results in various combinations of rudder, elevator, aileron, flaps and engine controls in different situations using a closed feedback loop. The pilot may not be fully aware of all the control outputs acting... ed17649791 It was launched on 1 December 2010, made its first flight on 25 September 2014 and was introduced by Lufthansa on 25 January 2016. ed17649791 The program was launched on 13 July 2008. The smaller A220-100 (formerly CS100) first flew on 16 September 2013, received an initial type certificate from Transport Canada on 18 December 2015, and entered service on 15 July 2016 with launch operator Swiss Global Air Lines. The longer A220-300 (formerly CS300) first flew on 27 February 2015, received an initial type certificate on 11 July 2016, and entered service with airBaltic on 14 December 2016. Both launch operators recorded better-than-expected fuel burn and dispatch reliability, as well as positive feedback from passengers... ed17649791

Air France Flight 296Q Air France Flight 296Q was a chartered flight of a new Airbus A320-111 operated by Air Charter International for Air France. Most of the crash sequence, which occurred in front of several thousand spectators, was caught on video. On 26 June 1988, the plane crashed while making a low pass over Mulhouse–Habsheim Airfield (ICAO airport code LFGB) as part of the Habsheim Air Show. On 26 June 1988, the plane Air France Flight 296Q was a chartered flight of a new Airbus A320-111 operated by Air Charter International for Air France ed17649791

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. ed17649791 The crash of Flight 072 remains the deadliest aviation accident in Bahraini territory, and was the deadliest accident involving an Airbus A320 at the time, which was later surpassed by... ed17649791

XL Airways Germany Flight 888T XL Airways Germany Flight 888T (GXL888T) was an acceptance flight for an Airbus A320 on 27 November 2008. The aircraft crashed into the Mediterranean XL Airways Germany Flight 888T (GXL888T) was an acceptance flight for an Airbus A320 on 27 November 2008. 3 mi; 3. The aircraft crashed into the Mediterranean Sea, 7 km (4. The subsequent investigation attributed the accident to incorrect maintenance procedures that allowed water to enter and freeze in the angle-of-attack sensors during flight, rendering them inoperative, combined with the crew's attempt to perform a test at a dangerously low altitude. 8 nmi) off Canet-en-Roussillon on the French coast, close to the Spanish border, killing all seven people on board ed17649791

Airbus A220 0 cm (2. 0 in) wider than the Boeing 737. 0 in) wider than the Airbus A320 and 5. (1. It was originally developed by Bombardier Aviation and had two years in service as the Bombardier CSeries. The A220 has a larger window than the A320. The new A220 Airspace XL The Airbus A220 is a family of five-abreast narrow-body airliners by Airbus Canada Limited Partnership (ACLP) ed17649791

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. ed17649791

Gulf Air Flight 072 All 143 people on board the aircraft were killed. Time (UTC+3), the Airbus A320 crashed minutes after executing a go-around following a failed attempt to land on Runway 12. The flight crew suffered from spatial disorientation during the go-around and crashed into the shallow waters of the Persian Gulf 2 km (1 nmi) from the airport. The flight crew suffered from Gulf Air Flight 072 (GF072/GFA072) was a scheduled international passenger flight from Cairo International Airport with a stopover at Bahrain International Airport in Bahrain and at Oman's Seeb International Airport, operated by Gulf Air. On 23 August 2000 at 19:30 Arabia Standard Time (UTC+3), the Airbus A320 crashed minutes after executing a go-around following a failed attempt to land on Runway 12 ed17649791

Fly-by-wire The movements of flight controls are converted to electronic signals, and flight control computers determine how to move the actuators at each control surface to provide the ordered response. airline market. Implementations either use mechanical flight control backup systems or else are fully electronic. The Airbus series of airliners used full-authority fly-by-wire controls beginning with their A320 series, see A320 flight control (though Fly-by-wire (FBW) is a system that replaces the conventional manual flight controls of an aircraft with an electronic interface ed17649791

Airbus BelugaXL After an Airbus A350 production increase, Airbus aimed to 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. of an A320 was three times as long as for the BelugaXL, and nine times longer for A350 parts. The BelugaXL entered service with Airbus Transport on 9 January 2020. The aircraft made its first flight on 19 July 2018, and received its type certification on 13 November 2019 ed17649791

In December 2015, the Indonesian National Transportation Safety Committee (KNKT or NTSC) released a report concluding that a non-critical malfunction in the rudder control system prompted the captain to perform a non-standard reset of the on-board flight control computers. Control of the aircraft was subsequently lost, resulting in a stall and uncontrolled descent... ed17649791 By 2019, the A320neo had a 60% market share against the competing... ed17649791 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... ed17649791 This was the A320's first passenger flight and most of those on board were journalists and raffle competition winners who had won tickets in a promotional event by local businesses. The low-speed flyover, with landing gear down, was supposed to take place at an altitude of 100 feet (30 m); instead, the plane performed the flyover at 30 ft (9 m), skimmed the treetops of the forest at the end of the runway (which had not... ed17649791

Airbus A320neo family 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 The Airbus A320neo family is an incremental development of the A320 family of narrow-body airliners produced by Airbus ed17649791

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