

# Columbia 400 Aircraft Maintenance Manual

Boeing 737

*usually during maintenance overhauls, and can be distinguished by the metal plug which differs from the smooth metal in later aircraft that were not originally*

The Boeing 737 is an American narrow-body aircraft produced by Boeing at its Renton factory in Washington.

The first generation 737-100/200 variants were powered by Pratt & Whitney JT8D low-bypass turbofan engines and offered seating for 85 to 130 passengers. Launched in 1980 and introduced in 1984, the second generation...

List of accidents and incidents involving military aircraft (1960–1969)

*which they occurred. Not all of the aircraft were in operation at the time. For more exhaustive lists, see the Aircraft Crash Record Office, the Air Safety*

The accidents and incidents listed here are grouped by the year in which they occurred. Not all of the aircraft were in operation at the time. For more exhaustive lists, see the Aircraft Crash Record Office, the Air Safety Network, or the Dutch Scramble Website Brush and Dustpan Database. Combat losses are not included, except for a very few cases denoted by singular circumstances.

List of accidents and incidents involving military aircraft (1980–1989)

*incidents involving military aircraft grouped by the year in which the accident or incident occurred. Not all of the aircraft were in operation at the time*

This is a list of notable accidents and incidents involving military aircraft grouped by the year in which the accident or incident occurred. Not all of the aircraft were in operation at the time. Combat losses are not included except for a very few cases denoted by singular circumstances. A summary is available on the template at the bottom of the article.

Such decompression may be classed as explosive, rapid, or slow:

Bell P-39 Airacobra

*without supplying spares, flight manuals or service manuals. Without proper training, incorporation of the aircraft into service was plagued with problems*

The Bell P-39 Airacobra is a fighter produced by Bell Aircraft for the United States Army Air Forces during World War II. It was one of the principal American fighters in service when the United States entered combat. The P-39 was used by the Soviet Air Force, which used it to score the highest number of kills attributed to any US fighter type flown by any air force in any conflict. Other major users of the type included the Free French, the Royal Air Force, and the Italian Co-Belligerent Air Force.

#### Uncontrolled decompression

*the cabin as an aircraft climbs to altitude. An example of this is the 2005 Helios Airways Flight 522 crash, in which the maintenance service left the*

An uncontrolled decompression is an undesired drop in the pressure of a sealed system, such as a pressurised aircraft cabin or hyperbaric chamber, that typically results from human error, structural failure, or impact, causing the pressurised vessel to vent into its surroundings or fail to pressurize at all.

#### Aircraft in fiction

*produced inside the maintenance hangar as Chiaki and her classmates perform various training classes and exercises to learn about the aircraft. An Air Mauritius*

Various real-world aircraft have long made significant appearances in fictional works, including books, films, toys, TV programs, video games, and other media.

Slow or gradual decompression occurs so slowly that it may not be sensed before...

#### North American B-25 Mitchell

*airworthy Doolittle Raid aircraft to reach the Soviet Union was lost in a hangar fire in the early 1950s while undergoing routine maintenance. In general, the*

The North American B-25 Mitchell is an American medium bomber that was introduced in 1941 and named in honor of Brigadier General William "Billy" Mitchell, a pioneer of U.S. military aviation. Used by many Allied air forces, the B-25 served in every theater of World War II, and after the war ended, many remained in service, operating across four decades. Produced in numerous variants, nearly 10,000 B-25s were built. It was the most-produced American medium bomber and the third-most-produced American bomber overall. These included several limited models such as the F-10 reconnaissance aircraft, the AT-24 crew trainer, and the United States Marine Corps' PBJ-1 patrol bomber.

The P-39 had an unusual layout, with the engine installed in the center fuselage behind the pilot, and driving a tractor propeller in the nose via a long shaft. It was also the first fighter fitted with a tricycle undercarriage. Although the mid-engine placement was innovative, the P-39 design...

## Garmin G1000

*Tiger. In late 2005, Garmin first announced in the G1000 in the Columbia Aircraft Model 400, later sold to Cessna. Garmin announced its first G1000 retrofit*

The Garmin G1000 is an electronic flight instrument system (EFIS) typically composed of two display units, one serving as a primary flight display, and one as a multi-function display. Manufactured by Garmin Aviation, it serves as a replacement for most conventional flight instruments and avionics. Introduced in June 2004, the system has since become one of the most popular integrated glass cockpit solutions for general aviation and business aircraft.

Rapid decompression may be slow enough to allow cavities to vent but may still cause serious barotrauma or discomfort.

## List of accidents and incidents involving military aircraft (1945–1949)

*incidents involving military aircraft grouped by the year in which the accident or incident occurred. Not all of the aircraft were in operation at the time*

This is a list of accidents and incidents involving military aircraft grouped by the year in which the accident or incident occurred. Not all of the aircraft were in operation at the time. For more comprehensive lists, see the Bureau of Aircraft Accidents Archives, the Air Safety Network or the Dutch Scramble Stoffer & Blik Database. Combat losses are not included, except for a few singular cases.

Developed to supplement the Boeing 727 on short and thin routes, the twinjet retained the 707 fuselage width and six abreast seating but with two underwing Pratt & Whitney JT8D low-bypass turbofan engines. Envisioned in 1964, the initial 737-100 made its first flight in April 1967 and entered service in February 1968 with Lufthansa.

Explosive decompression (ED) is violent and too fast for air to escape safely from the lungs and other air-filled cavities in the body such as the sinuses and eustachian tubes, typically resulting in severe to fatal barotrauma.

## List of accidents and incidents involving military aircraft (1955–1959)

*incidents involving military aircraft grouped by the year in which the accident or incident occurred. Not all of the aircraft were in operation at the time*

This is a list of notable accidents and incidents involving military aircraft grouped by the year in which the accident or incident occurred. Not all of the aircraft were in operation at the time. Combat losses are not included except for a very few cases denoted by singular circumstances.

The lengthened 737-200 entered service in April 1968, and evolved through four generations, offering several variants for 85 to 215 passengers.

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