

Boeing 737 800 aircraft maintenance manual

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What is 737-800 MCAS system? Maneuvering Characteristics Augmentation System (MCAS) – flight control law implemented on the 737 MAX to improve aircraft handling characteristics and decrease pitch-up tendency at elevated angles of attack.

What are the manuals used in aircraft maintenance? 1.Aircraft Maintenance Manual (AMM) Usually, these tasks are carried out either at the repair hangar or on the ramp. It also includes details on the maintenance and inspection of aircraft structures. However, a different document known as the Structural Repair Manual (SRM) contains information on structure repair.

What is an AMM manual? The Aircraft Maintenance Manual (AMM) is a manual developed by the manufacturer that provides detailed technical maintenance instructions for a specific type of Aircraft.

What are the aircraft maintenance documents?

Did Boeing fix the MCAS system? The MCAS was also involved in the Ethiopian crash, albeit the US safety agency argued pilot errors were the main cause. Boeing subsequently issued a software fix for the MCAS problem.

What went wrong with MCAS? The MCAS system relied on a single sensor input, the angle of attack (AOA) sensor, to make critical flight control decisions. If the AOA sensor provided incorrect data, MCAS could erroneously push the aircraft's nose down, leading to a dangerous and unrecoverable situation.

What are the 2 types of maintenance in aircraft? Line maintenance covers pre-flight checks, daily check of fluids, scheduled minor repairs and modifications, and troubleshooting. Heavy maintenance is performed less often, but requires a much more thorough breakdown, repair, or replacement of aircraft components and requires a large, well-equipped facility.

What are the three types of manuals?

What is the difference between CMM and AMM? The Advanced Management Module (AMM) is a module that enables you to configure and manage the BladeCenter chassis, while the Chassis Management Module (CMM) is a module that you use to configure and manage the Flex System chassis.

What is included in a maintenance manual?

What is a CMM in aviation? A Component Maintenance Manual (CMM) is a formal document that details how to accomplish off-aircraft maintenance tasks on an aircraft component.

What is an IPC manual in aviation? » The IPC is a companion document to the Aircraft Maintenance Manual (AMM). Note The Illustrated Parts Catalog (IPC) includes the illustration and identification of replacement parts and assemblies necessary for the maintenance of the specified aircraft model.

What are the main types of aviation maintenance manuals?

What is included in aircraft maintenance? This may include engine components, landing gear, brakes, fuel systems, and electrical systems. Testing systems: After repairs have been made, aircraft mechanics test the aircraft systems to ensure they are functioning properly. This may involve conducting ground tests, taxi tests, or flight tests.

What is an aircraft component maintenance manual? Definition. A formal document which details the way in which off-aircraft maintenance tasks on the specified component shall be accomplished.

Is the Boeing 737-800 the same as the 737 MAX? Are Boeing 737-800 and Boeing 737 Max 8 the same? I will take a flight which will be the 737-800. No, they're not. The Max series was designed to lower operating costs - more efficient engines - and what I believe was supposed to be a more efficient set of flight controls.

Did Boeing tell the FAA about MCAS? Boeing did not disclose key details to the FAA of a safety system called MCAS, which was linked to both fatal crashes and designed to help counter a tendency of the MAX to pitch up.

Why couldn't pilots override MCAS? As an automated corrective measure, the MCAS was given full authority to bring the aircraft nose down, and could not be overridden by pilot resistance against the control wheel as on previous versions of the 737.

Did the pilots know about MCAS? The NTSB rebuttal to the Ethiopian report on the incident is pretty clear that the crew didn't know how to properly respond to the issue. The problem is that MCAS was an unknown system at the time because SWA didn't want to have to have a separate type rating for the MAX.

Why did Boeing hide MCAS? Boeing was at fault for "concealing the very existence of MCAS from 737 pilots", it found. MCAS was not in crew manuals and Boeing sought to convince regulators not to require simulator training for Max pilots, which would incur extra costs.

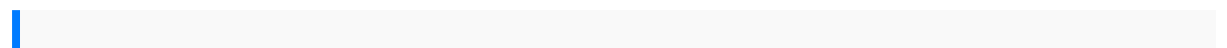
How many planes crashed because of MCAS? Boeing didn't mention the system, called MCAS, in airplane manuals, and most pilots didn't know about it. That system was implicated in two crashes that killed 346 people.

Is 737 MAX safe without MCAS? Yes it's true that it is aerodynamically stable, and could fly without MCAS just fine. But it isn't just an issue of retraining. To prevent inadvertent stalls, FAA regulations require increasing control stick force feedback - a requirement which the Boeing 737 Max did not meet without MCAS.

How does the MCAS system work? The function is commanded by the Flight Control Computer (FCC) using input data from sensors and other airplane systems. The MCAS function becomes active when the AoA exceeds a threshold based on airspeed and altitude.

Can Boeing MCAS be turned off? It is a responsive system to deviations, not a normal flight control system. Pilots can disable MCAS by switching the two electric Stabilizer Trim switches off. When the Stab Trim is off, manual trimming is required and possible. These switches are in between the two pilot seats and easily accessible to either pilot.

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