

Boeing 747 b747 400 technical training manual ata 78 70 80 powerplant phase 3

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What are the technical specifications of the 747-400? It typically accommodates 416 passengers in a three-class layout over a 7,285 nmi (13,492 km; 8,383 mi) range with its 875,000-pound (397 t) maximum takeoff weight (MTOW). The first -400M combi was rolled out in June 1989.

How heavy is a Boeing 747 in tons? The 747's maximum takeoff weight ranges from 735,000 pounds (333 t) for the -100 to 970,000 pounds (440 t) for the -8. Its range has increased from 5,300 nautical miles (9,800 km; 6,100 mi) on the -100 to 8,000 nautical miles (15,000 km; 9,200 mi) on the -8I.

Does Boeing still make the 747? The Boeing 747 was discontinued as demand for the aircraft slowed as airlines favoured more efficient and slightly smaller aircraft such as the Airbus A350 and Boeing 777 aircraft. Unfortunately, Boeing 747s are slowly going to become more rare in our skies as they age.

How many passengers are on a Boeing 747? All of the Jumbo variants have outstanding features and seating arrangements. Boeing's 747SP has 400 seats; the 747-100 has 440 seats; the 747-200B has 550 seats; the 747-300 has 550 seats; and, most importantly, Boeing's 747-400 has 660 seats; and the 747-8 has around 605 seats.

What engines does the 747-400 use? Operators may choose between four Pratt & Whitney PW4062 turbofan engines, with 63,300lb maximum thrust, four Rolls-Royce RB211-524H turbofan engines, with 59,500lb maximum thrust or four General Electric CF6-80C2B5F turbofan engines, with 62,100lb maximum thrust.

What is the aircraft code for 747-400? B74D. The 747-400D (Domestic) is a high density seating model developed for short-haul domestic Japanese flights. This model is capable of seating a maximum of 568 passengers in a two-class configuration or 660 passengers in a single-class configuration. The B74D is member of the B747 family of aircraft.

How many engines can a 747 fly on? It is one of the most recognizable and iconic aircraft in the world, and has earned the nickname “Queen of the Skies”. The Boeing 747 can fly on one engine only, but it is not recommended or desirable to do so. The Boeing 747 needs all its four engines to maintain a safe and efficient flight.

How many B747 are still flying? As of June 2024, there were 434 Boeing 747 aircraft in active airline service, comprising 1 747-100, 2 747SPs, 19 747-200s, 2 747-300s, 258 747-400s, and 152 747-8s. These aircraft are listed by airline operators and variant in the following table.

Why is it called a 747? Boeing's aircraft naming convention dates back to the 1950s and its first jet-powered commercial aircraft, the 707. From then on, Boeing's jet-powered aircraft follow a naming pattern of 7X7, with few exceptions. This leads to the 727, 737, 747 and so on, right up to the 787.

Why did Boeing stop 747? Built in 1967 to produce the mammoth jet, it remains the world's largest manufacturing plant according to Boeing. But after five decades, customer demand for the 747 eroded as Boeing and Airbus (AIR.PA) , opens new tab developed more fuel efficient two-engine widebody planes.

How many 747s crashed? Of the 60 Boeing 747 aircraft losses, 32 resulted in no loss of life; in one, a hostage was murdered; and in one, a terrorist died.

What is the fuel capacity of a 747? The 747-400F flight control system automatically manages all phases of the flight except take-off. There are four main fuel tanks in the wings, a tail plane tank, a center wing tank, and reserve fuel tanks in the outer wing sections. The maximum fuel capacity is 216,846 L (57,284 gal.).

How many pilots can fly a 747? 747 types 1~3 two pilots, one engineer. If flying over a specified time limit, an IRO pilot is required. 747–400 two pilots and again if over a specific time limit an International Relief Officer is needed.

Where does a 747 store fuel? rear spar of the wings. Each tank is of integral construction and has several bays formed by the wing structure, that is, wing ribs and/or mid spars. FUEL TANK VENTS (See Fig. 2) - Each fuel tank is vented individually to the surge tanks, one on each side of the air- plane.

Why is 747 called Queen of the Skys? Flying the 747—as well as flying on the 747—was an experience that no other aircraft offered, with a staircase to the upper deck. It was so culturally and economically significant, and had such a unique figure, that it had its own nickname: Queen of the Skies.

Why does the 747 need 4 engines? The Boeing 747-400 experiences the least degradation in performance, making it safer during an engine failure. Fitting an aircraft with four engines also increases power, enabling more passengers, heavier payloads, and increased performance.

Can a 747-400 fly on one engine? Conclusion. While it's very clear that a 747 cannot fly properly with the failure of three engines, we can see that a single functioning engine would at least extend the aircraft's distance and prolong its time in the air. Hopefully, this would buy enough time and distance for the 747 to reach a suitable landing spot.

What is the top speed of a 747-400? Boeing 747-400 – 1056km/h (656mph) The venerable 747-400 makes it on this list despite being in service for over 35 years. It is the most common variant of the 747, and its mix of long-range and high speed made this a very popular plane with airlines in its heyday.

What engine is in the 747-400? The Boeing 747-400 is a development of the Boeing 747-300 with a slightly increased wing span and winglets, with more powerful engines and a two man crew cockpit. The engine options are: Pratt and Whitney PW4000, General Electric CF6-80C2B1F/B5F or Rolls-Royce RB211-524G2-19/G3-19/H2-19/G2-T-19/G3-T-19/H2-T-19.

Why is the 747-400 so popular? After its introduction in 1989, the 747-400 became the best-selling 747 variant. It is known for its efficiency, increased range, and advanced technology, such as the two-crew glass cockpit.

What is the maximum operating altitude of a 747-400? There are many variants, of the 747, but the general, consensus, is that the operating limitation for altitude is 45,000 feet. Somewhere higher, than 45000 feet the air would get too thin.

What is the spec of the Boeing 747? Boeing 747-8: Length: 70.66 meters. Cabin Width: 239.5 inches. Wing Span: 68.4 meters. Typical Seat Count (3-class): 467.

What are the characteristics of the Boeing 747?

What is the type rating of the 747-400? The B747-400 Initial Type Rating Course, comprises of 3 phases in total: Theoretical Knowledge Instruction of 80 hours in total. During this phase, you will be taught the Aircraft's System & Performance. At the end of the course, you will have to successfully pass a Final Exam.

What are the technical specifications of the Boeing 777 300?

The Hidden History of the Human Race: Unlocking Ancient Mysteries

Throughout history, the origins and evolution of the human race have been a subject of endless fascination and speculation. Beyond the well-known accounts, there lies a hidden history waiting to be uncovered, shedding light on the enigmatic past of our species.

Question 1: Are There Lost Civilizations Beneath the Sea?

Answer: Archaeological evidence suggests the existence of submerged ruins, cities, and artifacts on various ocean floors. These findings have raised intriguing questions about advanced civilizations that may have thrived underwater before succumbing to natural disasters.

Question 2: Did Ancient Aliens Visit Earth?

Answer: The idea of extraterrestrial contact has been debated for centuries. Controversial theories propose that ancient artifacts and structures, such as the pyramids of Giza, were built with the aid of advanced technology from other worlds. However, conclusive evidence for alien visitation remains elusive.

Question 3: What is the Missing Link in Human Evolution?

Answer: Scientists continue to search for the elusive "missing link" that would connect modern humans to our ancient ancestors. Fossils and genetic data indicate that there may have been intermediate species that have yet to be discovered, potentially redefining our understanding of human origins.

Question 4: Was Atlantis a Real City?

Answer: The ancient legend of Atlantis, a vast and technologically advanced civilization that sank into the sea, has captivated imaginations for centuries. While some scholars dismiss it as myth, others believe that remnants of Atlantis may lie beneath the waves or as a forgotten memory in human consciousness.

Question 5: How Did Humans Spread Across the Globe?

Answer: The migratory patterns of early humans are still a matter of debate. Some theories suggest that they traveled by land bridges, while others propose daring sea voyages across oceans. Recent genetic studies have provided new insights into the diverse ancestral populations that contributed to the global distribution of our species.

Uncovering the hidden history of the human race requires continued exploration, research, and open-mindedness. By delving into the depths of time and exploring the mysteries that lie before us, we not only shed light on our past but also gain a deeper appreciation for the extraordinary journey that has shaped our species.

The Therapeutic Use of Self-Counselling: Practice, Research, and Supervision

Q: What is self-counselling? A: Self-counselling refers to the process of using counselling techniques on oneself to address personal issues and promote well-being. It involves drawing upon the principles and skills of counselling to guide introspection and self-exploration.

Q: What are the benefits of self-counselling? A: Self-counselling offers several benefits, including:

- Enhanced self-awareness and understanding
- Improved emotional regulation and coping mechanisms

- Reduced stress and anxiety
- Increased resilience and personal growth

Q: How can one practice self-counselling? A: Practicing self-counselling involves:

- Identifying personal goals and areas to address
- Using introspection to examine thoughts, feelings, and behaviors
- Applying counselling techniques, such as active listening, reframing, and goal-setting
- Seeking feedback from others (e.g., through journaling or talking to trusted individuals)

Q: What role does research play in self-counselling? A: Research has demonstrated the effectiveness of self-counselling in improving mental health outcomes. Studies have shown that self-counselling can reduce symptoms of depression, anxiety, and stress. It can also contribute to positive changes in thoughts, feelings, and behaviors.

Q: How does supervision enhance self-counselling practice? A: Supervision provides a supportive setting for reflection, learning, and skill development in self-counselling. A supervisor can offer guidance, feedback, and accountability, helping individuals deepen their understanding of themselves and the self-counselling process. Supervision also ensures that self-counselling practices align with ethical guidelines and best practices.

To Speak Is Never Neutral: Exploring Luce Irigaray's Contemporary European Thought

Question 1: What is the central premise of Luce Irigaray's book "To Speak Is Never Neutral"?

Answer: Irigaray argues that language is fundamentally gendered and that speaking is not a neutral act. It is always shaped by the power dynamics between genders, and women are often silenced or marginalized in discourse.

Question 2: How does Irigaray's work challenge traditional notions of objectivity and truth?

Answer: Irigaray refuses the idea that knowledge can be produced from a detached, objective standpoint. She argues that all knowledge is situated and embodied, and that it is shaped by the identity and perspective of the speaker.

Question 3: What is Irigaray's concept of "female subjectivity"?

Answer: Irigaray argues that women have a distinctive way of thinking and experiencing the world that is different from that of men. She calls this "female subjectivity," which is characterized by fluidity, multiplicity, and a connection to the body.

Question 4: How does Irigaray propose to deconstruct the patriarchal structures of language?

Answer: Irigaray suggests that women should develop their own unique forms of speaking and writing that challenge the dominant male-centered discourse. She encourages women to embrace their own voices and experiences, and to question the norms and assumptions that marginalize them.

Question 5: What is the significance of Irigaray's work for contemporary European thought?

Answer: Irigaray's writings have had a profound impact on feminist and post-structuralist thought in Europe. Her critique of language and power has inspired new ways of thinking about gender, subjectivity, and knowledge production. Irigaray's work continues to challenge the androcentrism of Western thought and to open up new possibilities for women to express themselves and to be heard.

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