

Apollo 13 Owners Workshop Manual An Engineering Insight Into How Nasa Saved The Crew Of The Failed Moon Mission

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Apollo 13 Owners' Workshop Manual: An engineering insight into how NASA saved the crew of the failed Moon mission Hardcover - October 3, 2013 by David Baker (Author) 4.7 out of 5 stars 41 ratings See all formats and editions

Apollo 13 Owners' Workshop Manual: An insight into the ...

A special new edition of the Apollo 13 Owners' Workshop Manual, this book is published to coincide with the 50th Anniversary of the Moon mission launched in April 1970, which very nearly turned into a catastrophe. New content includes an expanded look at what was learned from the analysis of the problems that precipitated the crisis, and how these lessons affected the future space programme.

NASA Mission AS-508 Apollo 13 Owners' Workshop Manual ...

Apollo 13 Owners' Workshop Manual: An engineering insight into how NASA saved the crew of the failed Moon mission (Haynes Owners' Workshop Manual)

Apollo 13 Owners' Workshop Manual: An engineering insight ...

Written by David Baker, an original member of NASA's Apollo 13 Houston Mission Control team, Apollo 13 Owners' Workshop Manual offers unprecedented, meticulous coverage of the Apollo 13 mission.

Apollo 13 Owners' Workshop Manual - Silodrome

The planned lunar landing that day was promptly called off, and a new challenge prioritized: get the spacecraft safely back to Earth. Written by David Baker, an original member of NASA's Apollo 13 Houston Mission Control team, Apollo 13 Owners' Workshop Manual offers unprecedented, meticulous coverage of the Apollo 13 mission.

Apollo 13 Owners' Workshop Manual : David Baker ...

Apollo 13 Owners' Workshop Manual presents an eyewitness account of the Apollo 13 mission. Beginning with an overview of the era's equipment and technology, Dr. Baker focuses primarily on the planning, goals, and execution of the mission itself, including an hour-by-hour timeline of the crew's near-disaster in space.

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Apollo 13 Owners' Workshop Manual: An Engineering Insight Into How NASA Saved the Crew of the Failed Moon Mission (Haynes Owners' Workshop Manuals) (Inglés) Tapa dura - 3 octubre 2013 de David Baker (Autor) 4,7 de 5 estrellas 40 valoraciones Ver los formatos y ediciones

Apollo 13 Owners' Workshop Manual: An Engineering Insight ...

Apollo 13 Owners' Workshop Manual - An engineering insight into how NASA saved the crew of the failed Moon mission; Quayside publishing group/Zenith Press; Minneapolis, MN; \$28.00; November 2013.. For those of you that didn't experience the "real deal" in 1970 - beyond the great Ron Howard movie - you can't do any better than this volume in reliving a true, edge-of-your-seat drama.

Book Review: Apollo 13 Owners' Workshop Manual - Explore ...

On 20 July 1969, US astronauts Neil Armstrong and Buzz Aldrin became the first men to walk on the moon. This is the story of the Apollo 11 mission and the 'space hardware' that made it all possible. This manual looks at the evolution and design of the mighty Saturn V rocket, the Command and Service Modules, and the Lunar Module. It describes the space suits worn by the crew

Apollo 11 50th Anniversary Edition | Haynes Publishing

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On the 13th of April 1970, Apollo 13 suffered an explosion. The planned lunar landing was instantly called off and the new challenge was to get the spacecraft back to Earth. Only hours before hurtling back into the atmosphere did they power up Apollo again - not knowing if it had been fatally damaged in the explosion. Here is the story of how a potential disaster became NASA's finest hour

The world-famous Apollo 13 mission and dramatic explosion on the service module, captured in technical detail like you've never seen before. On April 13, 1970, NASA's Apollo 13 suffered a near-catastrophic explosion in space. The planned lunar landing that day was promptly called off, and a new challenge prioritized: get the spacecraft safely back to Earth. Written by David Baker, an original member of NASA's Apollo 13 Houston Mission Control team, Apollo 13 Owners' Workshop Manual offers unprecedented, meticulous coverage of the Apollo 13 mission. Beginning with an overview of the era's equipment and technology, Baker focuses primarily on the planning, goals, and execution of the mission itself, including an hour-by-hour timeline of the crew's near-disaster in space. Additionally, his thorough analysis of the post-flight investigation and lurking design problems with the spacecraft offer the rare viewpoint of a true Apollo 13 insider. Not only does Baker present and analyze the mission itself, but he also celebrates NASA's legacy in the wake of the event with the redesign of sections of the Apollo spacecraft and the changes to the way later missions were organized, beginning with Apollo 14. In typical fully illustrated Haynes Manual detail, Apollo 13 Owners' Workshop Manual presents the fascinating circumstances behind a team who recovered their spacecraft just hours before hurtling back into the earth's atmosphere. But more than that, the book is a brand-new insight into the remarkable story of how clever, improvised engineering, remarkable teamwork, and sheer will to succeed averted a major catastrophe in space.

On July 20, 1969, US astronaut Neil Armstrong became the first man to walk on the moon. The Apollo 11 mission that carried him and his two fellow astronauts on their epic journey marked the successful culmination of a quest that, ironically, had begun in Nazi Germany thirty years before. This is the story of the Apollo 11 mission and the 'space hardware' that made it all possible. Author Chris Riley looks at the evolution and design of the mighty Saturn V rocket, the Command and Service Modules, and the Lunar Module. He also describes the space suits worn by the crew, with their special life support systems. Launch procedures are described, 'flying' the Saturn V, navigation, course correction 'burns', orbital rendezvous techniques, flying the LEM, moon landing, moon walk, take-off from the moon, and earth re-entry procedure. Includes performance data, fuels, biographies of Armstrong, Aldrin and Collins, Gene Kranz and Werner von Braun. Detailed appendices cover all of the Apollo missions, with full details of crews, spacecraft names and logos, mission priorities, moon landing sites, and the Lunar Rover.

Few launch vehicles are as iconic and distinctive as NASA's behemoth rocket, the Saturn V, and none left such a lasting impression on those who watched it ascend. Developed with the specific brief to send humans to the Moon, it pushed rocketry to new scales. Its greatest triumph is that it achieved its goal repeatedly with an enviable record of mission success. Haynes' Saturn V Manual tells the story of this magnificent and hugely powerful machine. It explains how each of the vehicle's three stages worked; Boeing's S-IC first stage with a power output as great as the UK's peak electricity

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consumption, North American Aviation's S-II troubled second stage, Douglas's workhorse S-IVB third stage with its instrument unit brain - as much a spacecraft as a rocket. From the decision to build it to the operation of its engines' valves and pumps, this lavishly illustrated and deeply informative book offers a deeper appreciation of the amazing Saturn V.

Designed between 1969 and 1972 and first flown into space in 1981, the NASA Shuttle will have flown almost 140 missions by the time it is retired in 2011. David Baker describes the origin of the reusable launch vehicle concept during the 1960s, its evolution into a viable flying machine in the early 1970s, and its subsequent design, engineering, construction, and operation. The Shuttle's internal layout and systems are explained, including the operation of life support, electrical-power production, cooling, propulsion, flight control, communications, landing, and avionics systems.

On 20 July 1969, US astronauts Neil Armstrong and Buzz Aldrin became the first men to walk on the moon. NASA Mission AS-506 Apollo 11 Owners' Workshop Manual is the story of the Apollo 11 mission and the 'space hardware' that made it all possible. This manual looks at the evolution and design of the mighty Saturn V rocket, the Command and Service Modules, and the Lunar Module. It describes the space suits worn by the crew and their special life support and communications systems. We learn about how the Apollo 11 mission was flown - from launch procedures to 'flying' the Saturn V and the 'LEM', and from moon walking to the earth re-entry procedure. This new edition of the book celebrates the 50th Anniversary of the Apollo 11 moon landing.

The Rocket Manual tells the story of rocket motors, how they were first developed, how they work, what they are used for and how they are operated. It also explains the origin and operating record of satellite launchers around the world. Rocket motors large and small are listed and explained, including small motors used to push satellites and spacecraft into different orbits, throttleable rockets for controlling spacecraft descending to the Moon and the surfaces of other planets, restartable motors for adjusting orbits and reusable motors such as those developed for the Shuttle.

Continuing the popular Haynes Owners' Workshop Manual space series, which currently comprises Apollo 11 Manual and NASA Space Shuttle Manual, this unique book provides an insight into the only car ever built to be driven on the surface of another world. With a Foreword by the first Apollo astronaut to drive it on the Moon, Dave Scott, and published to coincide with the 40th anniversary of mankind's final drive on the Moon in December 2012. The book is part mechanical guide, illustrated with many of the technical drawings from the time, and part narrative-driven story of engineering ingenuity and human triumph. It draws on the rich NASA photographic archive and the complete transcripts of the crews' reaction to driving across the Moon, which the authors have an un-paralleled knowledge and experience of working with.

The book begins with early ideas about astronauts in science fiction and film portrayals of the role. It goes on to cover recruitment and the application process to become an astronaut with NASA and ESA, and the qualifications and fitness required for various astronaut roles. The reader is taken through training for different types of astronaut roles (pilot, scientist, payload specialist, space walker, Moon walker, etc) and the different types of missions are described (sub-orbital, Earth orbit, living aboard the International Space Station (ISS), lunar flight and landing, driving on the Moon, and planned future missions to asteroids and Mars). The equipment used by astronauts is documented, including clothing, space suits, tools, backpacks, zero-gravity toilets, food stations, etc. The experience of space flight on typical missions is outlined, illustrated by the accounts of real astronauts on actual flights - the experience of launch, first reactions to Zero-G, exiting the hatch for a spacewalk, the views of Earth, walking on the Moon, and re-entering the Earth's atmosphere. The book is written in a style accessible to the layperson, while including sufficient technical details to satisfy more knowledgeable readers. It also captures the excitement and wonder of spaceflight, making extensive use of astronaut biographies and interviews to uncover the real human experience, as much as technical information to provide detail to satisfy those curious about 'how it works'.

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