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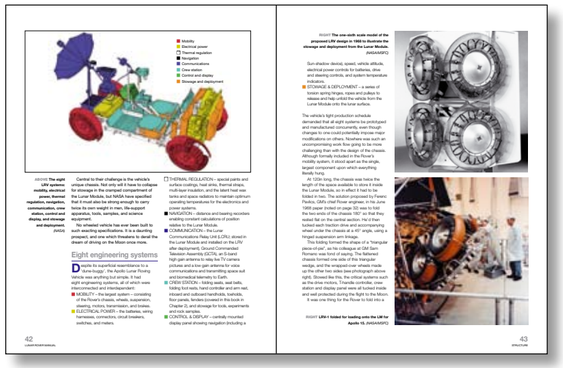
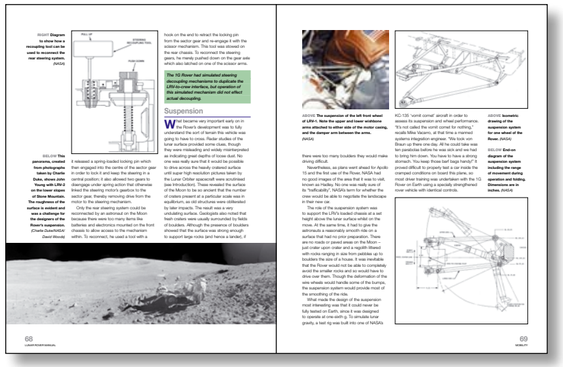
LUNAR ROVER

1971–1972 (Apollo 15–17; LRV1–3 & 1G Trainer)





This book tells the story of the most exotic vehicle ever designed and built. Costing $38 million to manufacture just three fully functioning examples, the equivalent of over $450 million today, it is also the most expensive car in history. For whilst these unique automobiles had wheels, they were in every other sense spacecraft; constructed from high-spec aerospace materials to operate in the vacuum of space, on an extra-terrestrial landscape blanketed with abrasive dust and enveloped in an alien gravity field. The length of a Cadillac, yet ingeniously designed to fold into a space the size of an estate car trunk, for shipment to the Moon, the Lunar Roving Vehicles epitomised the spirit of Apollo.

Commissioned before the first human beings to walk on the Moon had returned to Earth, and intended to carry future explorers further and faster, through the mountainous lunar highlands, the LRVs were far more than just another product of the Lunar Exploration Support Program from which they emerged. They characterised NASA's commitment to human space exploration, and symbolised a future of people living and working on other worlds. To understand the story of the Lunar Roving Vehicle, as told in this book, is to understand NASA in the 1960s; at its finest and most potent.

Dr Christopher Riley is a writer, broadcaster and film-maker, specialising in science and history. He was just old enough to remember the tail end of the Apollo Moon shots and was inspired by them to study remote sensing and planetary science for his PhD at Imperial College, London. Since then he has made over 30 films and TV documentaries about Apollo, including the multi-award winning *In the Shadow of the Moon*. He is currently visiting professor of science and media at the University of Lincoln.

David Woods was enchanted by the Apollo missions as a child and this never really left him. With the arrival of the internet, his interest blossomed and he has studied the engineering behind the Apollo programme for nearly 20 years. David curates the *Apollo Flight Journal* for NASA and writes extensively on Apollo. His knowledge and passion combine with an ability to explain technical subjects for the layperson.

Phil Dolling is an award-winning Executive Producer. He has worked for the BBC on many television programmes, including *Tomorrow's World, Space, Human Instinct, James May's 20th Century* and *Earth: The Power of the Planet.* Phil has written books and articles on the science and technology of the 20th century. He was lucky enough to be a small boy in the 1960s when his keen interest in the Apollo missions began.

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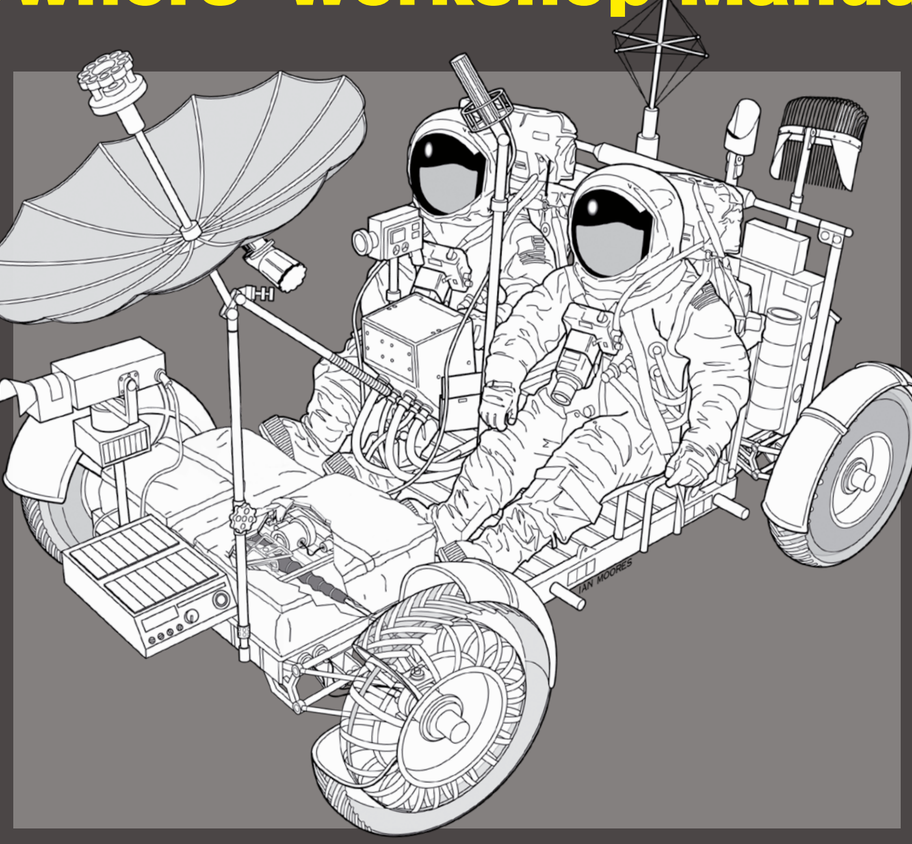
Owners' Workshop Manual



An insight into the technology, history, development and role of NASA's unique Apollo Lunar Roving Vehicle

Foreword by Apollo 15 Commander David R. Scott