



Apollo 11

Owners' Workshop Manual

1969 (Including Saturn V, CM-107, SM-107, LM-5)

Christopher Riley & Phil Dolling

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A 40th Anniversary celebration of the spacecraft that made history...

On 20th July 1969, US astronaut Neil Armstrong became the first man to walk on the Moon. But it had taken 400,000 men and women across the United States to put him and fellow astronaut Buzz Aldrin there. Achieving technical miracles and overcoming bureaucratic battles, daunting setbacks and tragedies, Apollo's engineers and scientists worked out how to transport human beings and their home comforts across a quarter of a million miles of hostile space, to live and work on the surface of an unexplored alien world.

The fact that all this was achieved before the age of micro-computers, mobile phones and the internet, when slide rules were still in every engineer's top pocket, is even more exceptional. The seven million engineered parts invented to fly a single mission all had to work perfectly.

Forty years on, the reality of just how difficult it was to achieve a lunar landing in the mid-20th century is recounted in this book. Presented in the successful Haynes Manual format with original NASA technical illustrations and stunning archive photographs- some previously unpublished, the down-to-earth text takes the reader behind the scenes to look at every aspect of the Apollo 11 mission, from the raw fire-breathing power of the Saturn V rocket to the development of the astronauts' space suits. Unique 'how it works' and 'how you fly it' guides give an insight into launch procedures, 'flying' and landing the Lunar Module, walking on the Moon, and the Earth re-entry procedure. This fascinating book chronicles the audacity of the engineers who dared to dream that such a voyage was possible and then made it happen.

Dr Christopher Riley is a writer, broadcaster and film maker. He was just old enough to remember the tail end of the Apollo moon shots in 1972. Since then he has made up for the lack of Moon landings by presenting, directing, producing or consulting on almost 30 films and TV documentaries about Apollo, including the multi-award-winning *In the Shadow of the Moon*, which won the world cinema audience award at the 2007 Sundance film festival. During his career he has floated weightless on board both Russian and European Space Agency parabolic flights, and has ridden on two of NASA's astrobiology missions, chasing the Leonid meteor showers around the world for BBC News.

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*. He was also in charge of the coverage of the Total Eclipse in 1999. As well as producing programmes, 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.

Christopher Riley is available for interview

To request a review copy of *The Apollo 11 Manual*, please contact Bianca at Eventageous PR on Tel: 01452 260063 or email Bianca@eventspr.co.uk

**** Apollo 11 events with Chris Riley****

Author talk and signing session Wednesday 3rd June, 6.30pm-8.30pm

The Science Museum's Dana Centre, 165 Queen's Gate,
South Kensington, London. SW7 5HD

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Author talk and signing session Sunday 7th June, 10.15am onwards

The Times Cheltenham Science Festival, Cheltenham Town Hall,
Imperial Square, Cheltenham. GL50 1QA

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Author talk Thursday 16th July, 6.00pm-7.45pm

The Royal Aeronautical Society, No.4 Hamilton Place,
London. W1J 7BQ

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Author talk Monday 20th July, 11am onwards

The National Space Centre, Exploration Drive,
Leicester. LE4 5NS