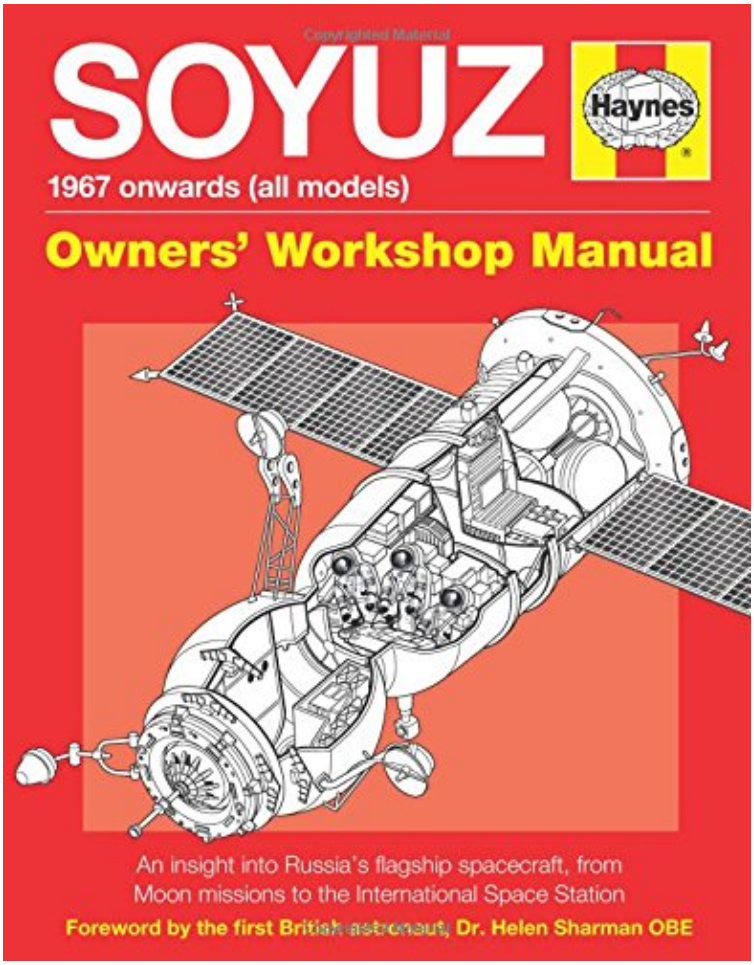
Soyuz Owners' Workshop Manual: 1967 onwards (all models) - An insight into Russia's flagship spacecraft, from Moon missions to the International Space Station

David Baker



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David Baker : Soyuz Owners' Workshop Manual: 1967 onwards (all models) - An insight into Russia's flagship spacecraft, from Moon missions to the International Space Station before purchasing it in order to gage whether or not it would be worth my time, and all praised Soyuz Owners' Workshop Manual: 1967 onwards (all models) - An insight into Russia's flagship spacecraft, from Moon missions to the International Space Station:

30 of 31 people found the following review helpful. Enjoyable look at Russia's flagship manned spacecraftBy Daryl CarpenterAfter David Baker's super-detailed Haynes manuals on NASA's Mars Rovers and the Apollo 13 missions, I had high expectations for this book. I've been a little letdown by Haynes' offerings this last year, but this volume on

Russia's flagship manned spacecraft is a step in the right direction. The first quarter provides a concise history of the early Soviet manned space program, including the Vostok and Voskhod missions, and the development of the Soyuz spacecraft. The remainder is a technical history of Soyuz, focusing on the continued design and development of the different Soyuz variants, its role in the abortive Russian moon landing program, its potential military applications, and its current role as an orbital taxi cab.The highlight of this book are the four technical features, including a 30-page technical description of the modern Soyuz TMA-M, a look at rendezvous and docking techniques, a brief history of the Apollo-Soyuz Test Project, and a summary of the Progress cargo freighter. These parts are really the meat of the book - the bits that make it a "workshop manual" and not just a decent history. Dozens of detailed technical drawings from the original Soyuz manuals are included, along with close-up views of spacecraft components and detailed descriptions of how the different systems work.Overall, the Soyuz "workshop manual" makes a very good, although not superb, inclusion into the rather small library of English-language books on the Soviet Russian manned space program. Visually, the book is superb, with plenty of line drawings, diagrams, historical photographs, specially created CGI illustrations, and color views of Soyuz hardware. David Baker's writing has improved over the years, and he strikes a good balance between historical background and technical details here. My main gripe is that it ends rather abruptly - the focus here mainly being on the early years of the Soyuz program, the last 28 years getting a 9-page wrap-up at the end. This might be a reflection of the craft's overall reliability, or of editorial constraints on the part of Haynes.Recommended, with a couple of minor reservations, for serious manned spaceflight buffs.3 of 3 people found the following review helpful. Many Great photos, diagrams and detailsBy electronic shopperMany Great photos, diagrams and details of space craft. There are a few details shown in Russian language too, The History of the Soyuz is covered from start to finish. It included the wiring Diagram of the Spacecraft on page 81-I added common USA Electrical text description to diagram on the attached Photo. I was looking for this Electrical Diagram on the internet and could not It-so I was glad it was in this Book...It also included the rocket system of the launch vehicle.I understand a lot of information was secret back in the day and some parts may still be secret- so it hard to get information that makes sense. This book did a great job with the information available. It's simple and easy to read. If you are looking for a lot of detail information of each system this is not that kind of book. It's general in nature but at an adult level.I worked on the Apollo spacecraft as a Electronic/electrical Technician and later as an research engineer. I wanted to compare their spacecraft with ours. I attached a photo of me by Apollo 15 at the Downey Apollo factory taken in April of 1967.It is interesting- this Soyuz spacecraft was design to go to the moon but never made it. But 900 of these vehicles were made and are still being made to service the International Space Station while our Apollo spacecraft and Space Shuttle are in museums. Oh Well.Anyway this book is excellent.0 of 0 people found the following review helpful. Meets My Level of InterestBy Barnard RollitI'm only in the middle of reading it (though I have scanned ahead), so I'll reserve a full critique. However, I've already learned an enormous amount about this enduring workhorse spacecraft and anticipate learning a lot more before I'm finished. In scanning the rest, it seems to present much less about Salyut and particularly MIR than might be desired, though to be fair those are distinct spacecraft that I'd be pleased to see get their own volume(s). At that, this one dovetails nicely into the volume already available on the ISS (which does go some into MIR, but not nearly enough)..

The Soyuz spacecraft played a major role in Russia's plans for a manned landing on the Moon and several test models were flown at the height of the 'space race'. Originally designed for circumlunar flight, Soyuz has been the mainstay of Russia's space program.

About the AuthorDr. David Baker worked with NASA on the Gemini, Apollo and Shuttle programmes between 1965 and 1990. He has written more than 80 books on spaceflight technology and is the author of the Haynes NASA Space Shuttle Manual, International Space Station Manual, NASA Mars Rovers Manual, Apollo 13 Manual, Soyuz Manual, Rocket Manual and forthcoming Hubble Space Telescope Manual. He lives in East Sussex.