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## Apollo Lunar Roving Vehicle Operations Handbook (Paperback)

By NASA

Periscope Film LLC, United States, 2012. Paperback. Condition: New. Language: English . This book usually ship within 10-15 business days and we will endeavor to dispatch orders quicker than this where possible. Brand New Book. Developed in only 17 months at a cost of 38 million dollars, the Lunar Roving Vehicle (LRV) greatly expanded the survey range of the astronauts on Apollo 15, 16 and 17. Designed to operate in the low-gravity vacuum of the Moon, the LRV boasted an ingenious design that allowed it to be folded up and stored inside the Lunar Module. It would then be deployed using a system of pulleys and brake reels. The LRV s frame was made of aluminum alloy 2219 tubing assemblies, giving the vehicle a fairly small mass of 210kg but allowing it to carry up to 490kg on the lunar surface. The LRV s lightweight tires were made of zinc-coated steel strands with titanium chevrons and aluminum hubs, and offered a ground clearance of 36cm. The LRV featured two side-by-side, foldable seats, a TV camera, and a dish antenna. Four independent DC motors - one for each wheel - powered by two 36-volt batteries provided maneuvering power. Both sets of...



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