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Lunar Rover Operations Handbook Doc.
LS006-002-2H Prepared by the Boeing
Company LRV Systems Engineering
Huntsville, Alabama 19 April 1971 and 7
July 1971 revision Last revised 22
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LUNAR ROVING VEHICLE OPERATIONS
HANDBOOK HANDBOOK

CONFIGURATION This handbook reflects
the Lunar Roving Vehicle (LRV) and
Space Support Equipment (SSE) delivery
review configuration as modified by

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incorporation of the following: ECP
DESCRIPTION LRV 1097 Incorporation of
Manual SSE LRV 1073 Seat Belt
Modification

Lunar Roving Vehicle Operations Handbook - 4/19/1971

The Lunar Roving Vehicle (LRV) is a
battery-powered four-wheeled rover

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used on the Moon in the last three missions of the American Apollo program (15, 16, and 17) during 1971 and 1972. They are popularly known as "Moon buggies", a play on the words "dune buggy". Built by Boeing, each LRV has a mass of 460 pounds (210 kg) without payload. It could carry a maximum payload mass of 1,080

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Lunar Roving Vehicle - Wikipedia

The Lunar Roving Vehicle (LRV) was an electric vehicle designed to operate in the low-gravity vacuum of the Moon and to be capable of traversing the lunar surface, allowing the Apollo astronauts to extend the range of their surface

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extravehicular activities.

**The Apollo Lunar Roving Vehicle -
NASA**

LUNAR ROVING VEHICLE OPERATIONS
HANDBOOK SECTION 1 GENERAL
INFORMATION INTRODUCTION This
section contains general information
pertaining to the flight operational Lunar

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Roving Vehicle (LRV). Where applicable, the IG Trainer differences are noted.

DESCRIPTION The LRV system on the lunar surface consists of the LRV, the structure for

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The Lunar Rover Operations Handbook

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was standard issue to the Apollo 15, 16
and 17 crews - the date on the

handbook listed here indicates that it
was the first of the rover manuals as
Apollo 15 left from Houston on July the
26th 1971.

The Official NASA Lunar Rover Operations Handbook

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Apollo Lunar Roving Vehicle Operations Handbook Author: unknown. 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.

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LUNAR ROVING VEHICLE OPERATIONS HANDBOOK

and a signal from the pulse generator (H) which indicates the power to the drive motor has been inhibited and switching can take place. The condition of the reversing relays determine the direction of current through the motor armature and thus the direction of rotation of the motor.

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APPROVED: I PREPARED BY THE BOEING
COMPANY LRV SYSTEMS ENGINEERING
HUNTSVILLE, ALABAMA. PREFACE This
document is the first revision issue of

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the Appendix A (Performance Data) to
the LRV Operations Handbook. This

appendix

LRV OPERATIONS HANDBOOK APPENDIX A (PERFORMANCE DATA)

Suspension was essentially a spring (see the diagram from the Lunar Operations Handbook). Navigation involved knowing

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exactly where the astronauts had landed. To navigate from place to place, wheel rotation counts and heading information from a gyroscope were put together.

vehicle intro - Massachusetts Institute of Technology

Originally created for the astronauts by

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prime contractor Boeing, this Lunar Roving Vehicle Operations Handbook describes the LRV and its systems, and details the deployment and driving procedures. It also details the 1-gravity LRV used to train astronauts on Earth. A lengthy appendix provides performance and other data.

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**Apollo Lunar Roving Vehicle
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Originally created for the astronauts by prime contractor Boeing, this Lunar Roving Vehicle Operations Handbook describes the LRV and its systems, and details the deployment and driving procedures. It also details the 1-gravity

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LRV used to train astronauts on Earth. A lengthy appendix provides performance and other data.

Apollo Lunar Roving Vehicle Operations Handbook: NASA ...

LUNAR ROVING VEHICLE OPERATIONS HANDBOOK (link) (Article by Nick Parke, Education Support Officer, updated 1

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February 2016) Categories: Human

Exploration. Tags: Apollo 15 Apollo 16
Apollo 17 Apollo Program astronauts
Boeing Chrysler Grumman Harrison
Schmitt LRV Lunokhod Moon NASA Nick
Parke space history.

NASA's Lunar Rover: Everything You Need to Know

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A Study and Analysis of the MSFC Lunar Roving Vehicle Dust Profile Test Program (1971) NASA-CR-121075, 33 pages. LRV Operations Handbook, Appendix A (Performance Data) (1971) NASA-TM-X-66816, 114 pages. Mobility Performance of the Lunar Roving Vehicle: Terrestrial Studies - Apollo 15 Results (1972) NASA-TR-R-401, N.C.

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Costes et al., 87 pages ...
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Apollo-Era Documents

Lunar Roving Vehicle Simulator Electric-
powered, 2-man lunar surface vehicle
simulator For Flight Simulator 2004 only
- TerraBuilder: Moon Add-On Required
Operating Manual Introduction Vehicle
Configuration Vehicle Operation

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Instrumentation Thermal Control
Simulation Effects and Features
Performance Issues Specifications
National Astronautics ...

Apollo LRV Operating Manual

Lunar Roving Vehicle Operations
Handbook 2009 Hardcover book 21,8 x
29,7 x 1,8 cm 220 pages. The operations

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handbook for the vehicle sent to the
moon in 1971. ... Edition

Johann Lurf - Lunar Roving Vehicle Operations Handbook

Template:Infobox automobile The Lunar Roving Vehicle (LRV) or lunar rover was a battery-powered four-wheeled rover used on the Moon in the last three

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missions of the American Apollo program (15, 16, and 17) during 1971 and 1972. It was popularly known as the moon buggy, a play on the phrase "dune buggy". The LRV was transported to the Moon on the Apollo Lunar Module (LM) and, once unpacked on ...

Lunar Roving Vehicle | National

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Aeronautics and Space ...

Harrison Schmitt of Apollo 17 praised the design and operation of the vehicle, saying "...the Lunar Rover proved to be the reliable, safe and flexible lunar exploration vehicle we expected it to be." Originally created for the astronauts by prime contractor Boeing , this Lunar Roving Vehicle Operations Handbook

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describes the LRV and its systems, and details the deployment and driving procedures.

Apollo Lunar Roving Vehicle Manual - PeriscopeFilm

The rover has two batteries. Each battery is nominally 36 V, 33-41 V fully charged, 47 A max but peak to 90 A.

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(source: Lunar Roving Vehicle System Handbook, p. 6-2) Expect this situation

to happen after they've been used for driving around, so they won't be at full capacity. The rover battery is over-voltage, but that's not a problem.

apollo program - Could the Lunar Rover jump start the ...

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This book fills a need for a complete history of the Lunar Roving Vehicle used on Apollo 15, 16 and 17, drawing on many photographs never before published. It also tells the story of the robotic rovers used on Mars, and concludes with a description of the new designs of rovers planned for The New Vision for Exploration now underway at

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