



Smithsonian
National Air and Space Museum

Mercury Project, Redstone Launch Vehicle
Advanced Electrical Schematic Drawings

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2008

National Air and Space Museum Archives
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Table of Contents

Collection Overview	1
Administrative Information	1
Biographical / Historical.....	2
Scope and Contents.....	2
Arrangement.....	2
Names and Subjects	2

Collection Overview

Repository:	National Air and Space Museum Archives
Title:	Mercury Project, Redstone Launch Vehicle Advanced Electrical Schematic Drawings
Identifier:	NASM.2008.0014
Date:	1960
Extent:	0.07 Cubic feet (4 map folders)
Creator:	Redstone Arsenal
Language:	English .
Summary:	The Redstone engine is one of the most significant developments in US rocket technology. This collection consists of 36 pages of 17 x 11 inch schematic drawings of the Redstone launch vehicle's advanced electrical systems.

Administrative Information

Acquisition Information

Tom Hancock, Gift, 2008, NASM.2008.0014

Processing Information

Arranged and described (2008) and encoded (2020) by Jessamyn Lloyd.

Preferred Citation

Mercury Project, Redstone Launch Vehicle Advanced Electrical Schematic Drawings, NASM.2008.0014, National Air and Space Museum, Smithsonian Institution.

Restrictions

No restrictions on access.

Conditions Governing Use

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Biographical / Historical

The Redstone engine is one of the most significant developments in US rocket technology. As the power plant for the Redstone missile, it was this country's first large-scale operational rocket engine. It went on to power the Jupiter-C, a modification of the Redstone missile that placed the US's first artificial satellite, Explorer 1, in 1958. In 1961, another modified Redstone, the Mercury-Redstone 3, launched the first American into space, Alan B. Shepard. The thrust of the engine as used in the Redstone missile was 78,000 lbs. As modified for use as a booster for Shepard's Mercury spacecraft, it produced 83,000 lbs of thrust.

Scope and Contents

This collection consists of 36 pages of 17 x 11 inch schematic drawings of the Redstone launch vehicle's advanced electrical systems. The drawings have been marked and corrected ("redlined"). The packet is stamped "Systems Test Section" on the first page.

Arrangement

Collection is in original order.

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

- Astronautics
- Launch vehicles (Astronautics)
- Manned space flight
- Mercury Project, Redstone Launch Vehicle

Types of Materials:

- Technical drawings