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### KEY=VEHICLES - JOHNS DAVIES

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#### NASA SATURN I/IB LAUNCH VEHICLES OWNER'S WORKSHOP MANUAL

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**Haynes Publishing UK** *The Saturn I and IB series of rockets fulfilled plans developed in the late 1950s to build a rocket which could triple the existing thrust levels of US rockets and equal the lifting capacity of the Soviet Union, launching satellites and spacecraft weighing more than 10 tonnes into Earth orbit and do it by the early 1960s. These rockets emerged from the work carried out by former V-2 technical director Wernher von Braun, working at the Army Ballistic Missile Agency in Huntsville, Alabama. Three times more powerful than anything launched by America to that date, with a cluster of eight rocket motors for the first stage, the first Saturn I flew on October 27, 1961, and propelled America into the heavy-lift business. It was the Saturn I, and its successor the Saturn IB, with a more powerful second stage, that did all the preparatory work getting NASA ready to put men on the Moon. Between 1961 and 1975, the 19 flights of the Saturn I and IB achieved several historic "firsts", launching the world's first high-energy liquid oxygen/liquid hydrogen upper stages into orbit in 1964, the first unmanned test of suborbital and orbital Apollo spacecraft in 1966, the first unmanned test of the Lunar Module in 1968, the first manned Apollo spacecraft Apollo 7 also in 1968, all three Skylab flights in 1973 and the last Apollo spacecraft flown in support of the Apollo-Soyuz Test Project in 1975.*

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#### SCIENTIFIC AND TECHNICAL AEROSPACE REPORTS

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##### 1971 NASA AUTHORIZATION

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##### HEARINGS, NINETY-FIRST CONGRESS, SECOND SESSION, ON H.R. 15695 (SUPERSEDED BY H.R. 16516)

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##### ASTRONAUTICS AND AERONAUTICS

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##### 1970 NASA AUTHORIZATION

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##### HEARINGS, NINETY-FIRST CONGRESS, FIRST SESSION, ON H.R. 4046, H.R. 10251 (SUPERSEDED BY H.R. 11271)

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##### 1970 NASA AUTHORIZATION, HEARINGS...

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##### NASA SPECIFICATIONS AND STANDARDS

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##### NASA AUTHORIZATION FOR FISCAL YEAR 1966, HEARINGS ...89TH CONGRESS, 1ST SESSION, ON S. 927

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##### 1976 NASA AUTHORIZATION

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##### HEARING[S] BEFORE THE COMMITTEE ON SCIENCE AND TECHNOLOGY, U.S. HOUSE OF REPRESENTATIVES, NINETY-FOURTH CONGRESS, FIRST SESSION, ON H.R. 2931 (SUPERSEDED BY H.R. 4700) ....

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##### 1976 NASA AUTHORIZATION, HEARING BEFORE....., 94-1...

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##### 1977 NASA AUTHORIZATION: PART 1, HEARINGS HELD OCT. 13-NOV. 18, 1975

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##### NASA AUTHORIZATION FOR FISCAL YEAR 1969

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**ADMINISTRATION FOR RESEARCH AND DEVELOPMENT, CONSTRUCTION OF FACILITIES, AND ADMINISTRATIVE OPERATIONS ; AND FOR OTHER PURPOSES, APRIL 24, 25, AND 30, 1968**


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**NASA AUTHORIZATION FOR FISCAL YEAR 1969**


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**1978 NASA AUTHORIZATION**


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**HEARINGS BEFORE THE SUBCOMMITTEE ON SPACE SCIENCE AND APPLICATIONS OF THE COMMITTEE ON SCIENCE AND TECHNOLOGY, U.S. HOUSE OF REPRESENTATIVES, NINETY-FOURTH CONGRESS, SECOND SESSION, ON H.R. 2221 ( SUPERSEDED BY H.R. 4088) FEBRUARY 16 AND 17, 1977**


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**1969 NASA AUTHORIZATION**


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**HEARINGS, NINETIETH CONGRESS, SECOND SESSION, ON H.R. 15086 (SUPERSEDED BY H.R. 15856)**


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**HEARINGS**


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**PROCEEDINGS AND DEBATES OF THE ... CONGRESS**


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*The Congressional Record is the official record of the proceedings and debates of the United States Congress. It is published daily when Congress is in session. The Congressional Record began publication in 1873. Debates for sessions prior to 1873 are recorded in The Debates and Proceedings in the Congress of the United States (1789-1824), the Register of Debates in Congress (1824-1837), and the Congressional Globe (1833-1873)*

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**NASA SP.**


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**HUD-SPACE-SCIENCE-VETERANS APPROPRIATIONS FOR 1974**


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**POST APOLLO PLANNING DOCUMENTS AND INFORMATION RELATING TO THE FISCAL YEAR 1965 AUTHORIZATION. APPENDICES**


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**ORIGINS OF NASA NAMES**


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**SATURN V FLIGHT MANUAL, SA 507**


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**NASA SATURN V 1967-1973 (APOLLO 4 TO APOLLO 17 & SKYLAB)**


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**Haynes Publishing UK** *Few launch vehicles are as iconic and distinctive as NASA's behemoth rocket, the Saturn V, and none left such a lasting impression on those who watched it ascend. Developed with the specific brief to send humans to the Moon, it pushed rocketry to new scales. Its greatest triumph is that it achieved its goal repeatedly with an enviable record of mission success. Haynes' Saturn V Manual tells the story of this magnificent and hugely powerful machine. It explains how each of the vehicle's three stages worked; Boeing's S-IC first stage with a power output as great as the UK's peak electricity consumption, North American Aviation's S-II troubled second stage, Douglas's workhorse S-IVB third stage with its instrument unit brain - as much a spacecraft as a rocket. From the decision to build it to the operation of its engines' valves and pumps, this lavishly illustrated and deeply informative book offers a deeper appreciation of the amazing Saturn V.*

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**SUMMARY REPORT, FUTURE PROGRAMS TASK GROUP**

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**A REPORT BY THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION TO THE PRESIDENT. COMMITTEE ON SCIENCE AND ASTRONAUTICS, U.S. HOUSE OF REPRESENTATIVES, EIGHTY-NINTH CONGRESS, FIRST SESSION**

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**SUMMARY REPORT, FUTURE PROGRAMS TASK GROUP, REPORT BY THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION TO THE PRESIDENT...SERIAL F.**

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