

H-1 and J-2 engines: The fiscal year 1968 request includes requirements of \$5.2 million for H-1 engines and \$0.9 million for J-2 engines.

Fiscal year 1966 was the last full year of funding the H-1 contractor field and engineering support under the Engine Development project. Following completion of H-1 qualification in June 1966, funding of the contractor's work on flight evaluation and problem solving, maintenance of test engines in a configuration for rapid response to problems encountered during flight, and periodic verification of flight worthiness was transferred to this account.

The fiscal year 1968 funds required for the H-1 and J-2 engines cover continued support of the flight program, evaluation of flight results for use in subsequent missions, and rapid response to flight problems that may arise.

Vehicle support: The final line item under the uprated Saturn I project is vehicle support, which provides for studies, services, and equipment that are common to more than one stage of the vehicle. Our fiscal year 1968 requirements are \$53.4 million, covering the support requirements during a period of intensive launch activity. During fiscal year 1968, heavy emphasis will be placed on uprated Saturn I prelaunch and launch support.

Saturn V: Next we come to the fiscal year 1968 funding requirements for the most powerful of the Saturn family of launch vehicles—the three-stage Saturn V. We are beginning to come down the curve on Saturn V funding, as shown on this chart (fig. 37, MP 67-5436). In

**MANNED SPACE FLIGHT
RESEARCH AND DEVELOPMENT
SATURN V
FY 1968 BUDGET ESTIMATE
(MILLIONS OF DOLLARS)**

	FY 1966	FY 1967	FY 1968
1st STAGE (S-IC)	191.9	184.9	174.7
2nd STAGE (S-II)	256.2	248.6	245.9
3rd STAGE (S-IVB)	162.0	154.0	151.2
INSTRUMENT UNIT	67.8	72.9	75.1
GROUND SUPPORT EQUIPMENT	107.6	60.9	35.8
F-1 ENGINES	66.2	92.3	105.3
J-2 ENGINES	67.2	83.5	78.5
VEHICLE SUPPORT	216.0	238.5	242.0
TOTAL	\$ 1,134.9	\$ 1,135.6	\$ 1,108.5

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FIGURE 37