

MANNED SPACE FLIGHT
RESEARCH AND DEVELOPMENT
UPDATED SATURN I
FY 1968 BUDGET ESTIMATES
 (MILLIONS OF DOLLARS)

	FY 1966	FY 1967	FY 1968
1st STAGE (S-IB)	51.6	43.1	30.5
2nd STAGE (S-IVB)	64.0	56.9	37.1
INSTRUMENT UNIT	47.7	40.6	22.6
GROUND SUPPORT EQUIPMENT	26.6	11.5	6.5
H-1 ENGINES	10.1	8.1	5.2
J-2 ENGINES	13.5	6.7	.9
VEHICLE SUPPORT	61.3	69.7	53.4
TOTAL	\$ 274.8	\$ 236.6	\$ 156.2

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FIGURE 130

Stages (S-IB and S-IVB)

We are requesting \$30.5 million for the Chrysler-produced 1st stage (S-IB) and \$37.1 million for the Douglas-produced 2nd stage (S-IVB) in fiscal year 1968. These funds support completion of the eighth through twelfth flight stages, which are currently phased into manufacturing, assembly, acceptance testing, or checkout.

In terms of the 1st stage requirements, the FY 1968 funds requested support delivery and pre-launch checkout of the eighth and ninth flight stages; acceptance test, and shipment of the tenth and eleventh stages to Kennedy Space Center; and final assembly, in-factory checkout, acceptance test, and delivery of the last stage.

The FY 1968 funding for the Saturn I/S-IVB supports delivery of the last five flight stages for Apollo missions to the Kennedy Space Center. The eighth and ninth will arrive at the Center and undergo pre-launch checkout; the tenth and eleventh will complete acceptance testing at Sacramento and will subsequently be shipped to the Kennedy Space Center. The twelfth flight stage is scheduled to be through assembly, in-plant checkout, acceptance testing, and post-static checkout in preparation for shipment.

Instrument Unit

Fiscal year 1968 funds in the amount of \$22.6 million are required for the Instrument Unit—the “nerve center” of the launch vehicle, which contains the all-important primary guidance, control, measuring and telemetry systems. The Instrument Units are produced by the International Business Machines Corporation in Huntsville, Alabama. The FY 1968 funds provide for completion of