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Core Memory Module, Saturn V



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8 Images

This is a core memory module, unflown, from a Launch Vehicle Digital Computer, part of the guidance system for the Saturn V rocket. The computer was mounted on the inside of the Saturn V instrument unit (IU), above the Third Stage and below the payload. It processed information from the IU's Inertial Measurement Unit (IMU) to give commands to keep the rocket on a desired course. The memory module consisted of small doughnut-shaped "cores" of magnetic material. The magnetism of the cores indicated the storage of the binary digits one or zero. The module, along with the Launch Vehicle Digital Comptuer in which it was installed, was built by the IBM Corporation.

NASA tranferred this to the Museum in 2011.

Display Status

This object is not on display at the National Air and Space Museum. It is either on loan or in storage.

Object Details

Country of Origin United States of America	Inventory Number A20210580000
Type INSTRUMENTS-Computers, General Purpose	Credit Line Gift of the U.S. Space & Rocket Center
Manufacturer IBM Corporation	Data Source National Air and Space Museum
Dimensions 3-D: 16.5 × 13 × 14.9cm (6 1/2 × 5 1/8 × 5 7/8 in.)	Restrictions & Rights Usage conditions apply For more information, visit the Smithsonian's Terms of Use < https://www.si.edu/termsfuse >.
Materials Non-Magnetic White Metal Plastic Fiberglass Silicone Copper Alloy Uncharacterized Foam Adhesive Paint Ferrous Alloy Ink	



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Admission is always free.

Open daily 10:00 am – 5:30 pm

National Air and Space Museum

650 Jefferson Drive SW
Washington, DC
202-633-2214

Free Timed-Entry Passes Required

Steven F. Udvar-Hazy Center

14390 Air and Space Museum
Parkway
Chantilly, VA 20151
<https://maps.app.goo.gl/znjqjysdfvrjmxu9>
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