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LUNAR MODULE

The Lunar Module is the third module or unit of the Apollo Spacecraft assembly. It is the flight unit which will detach from the orbiting Command and Service Modules to land two astronauts on the moon and later return them to a lunar orbit docking rendezvous with the Command Module.

The Lunar Module will be 19' high and 19' in diameter. When fully loaded it will weigh approximately 32,000 pounds, including 250 pounds of scientific equipment.

Called the "bug" because of its appearance, it has two windows that will serve as "eyes" for the landing maneuver, a tubular "mouth" for entry, and exit, and four spidery "legs" for steady support after lunar touchdown.

The major construction material used is aluminum.

At present, it is planned for the astronauts to stay on the moon about 34 hours. The Portable Life Support System the astronaut will wear will allow him to stay outside on the surface for three hour periods.

When the astronauts are ready to leave the moon's surface, the lower portion of the Lunar Module will serve as a launching pad and thus will be left behind on the moon. After the pilot has achieved docking rendezvous with the Command Module and the two astronauts transferred into the mother spacecraft, the Lunar Module will be jettisoned and left in moon orbit.

The Lunar Module shown on the Lunar Landscape on Platform B in the US Pavilion is a prototype model of the actual spacecraft.