

Human Spellcheck Service Example

See page 2 of this document for a clean, finished version of the revised passage.

Jet shoes were fairly simple in ~~its~~^{their} design. The bulk of the system was externally mounted. There was a storage backpack, which was designed to hold about fifteen pounds of oxygen, worn by the user. And then there ~~was~~^{were}, of course, ~~there was~~^{the jet shoes} worn over the astronaut's boots. The pressurized gas reached the solenoid valves of the jets by supply lines, and delivered two pounds of thrust from each nozzle.

The internal part of the system, which was the operating switch that turned the jets on and off. These switches, located under the bare ball of the astronaut's foot, were simple toe switches (mouth-controlled bite bars and sip switches were also briefly considered-). Each shoe was controlled by that foot's big toe. Pressing down on the toe switch activated the jet and ignited the thruster on that boot.

Commented [MP1]: This sentence is incomplete. Please revise before publishing.

When standing upright, the thrust from the jet shoes would send the astronaut straight upwards-. The astronaut could change direction by moving his legs and feet to direct the direction of the jet's thrust.

A series of experiments proved that jet shoes were a sound concept. The first group of tests ~~were~~^{was} done using a simple pendulum system. A few other trials were done using more complicated setups, including tests for rotation air-bearing facility in which – almost like the puck on an air-hockey table – the subject was supported by airbags on a nearly frictionless surface to simulate the freedom of motion an astronaut would experience under zero-gravity conditions.

Commented [MP2]: This sentence is a little hard to follow. You may want to separate this into two sentences.

However, all these tests were limited, because they gave the user only three degrees of freedom in a horizontal plane—pitching, fore-and-aft, and head-to-foot movement—and not the six degrees of freedom an astronaut has in space. Still, ~~the~~ these tests were deemed successful. Despite this success, jet shoes, as history tells us, never took off.

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