

WHC Velcro Bar



ISS024E006257

ISS023E030665

Control panels for powering the system and monitoring functionality

Hygiene and cleaning materials

Inlet vent to cool internal equipment

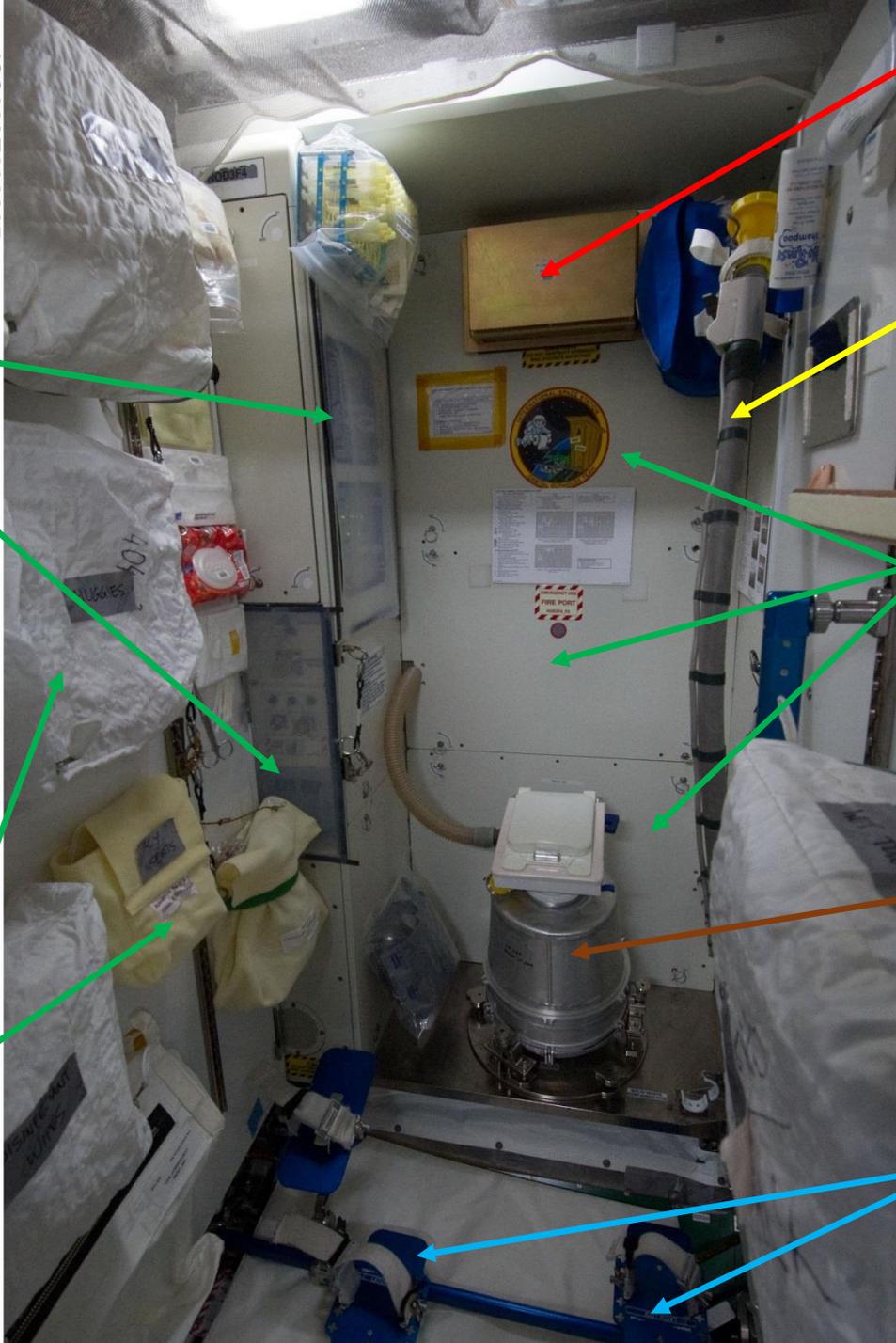
Urine hose with air flow to pull fluid into system

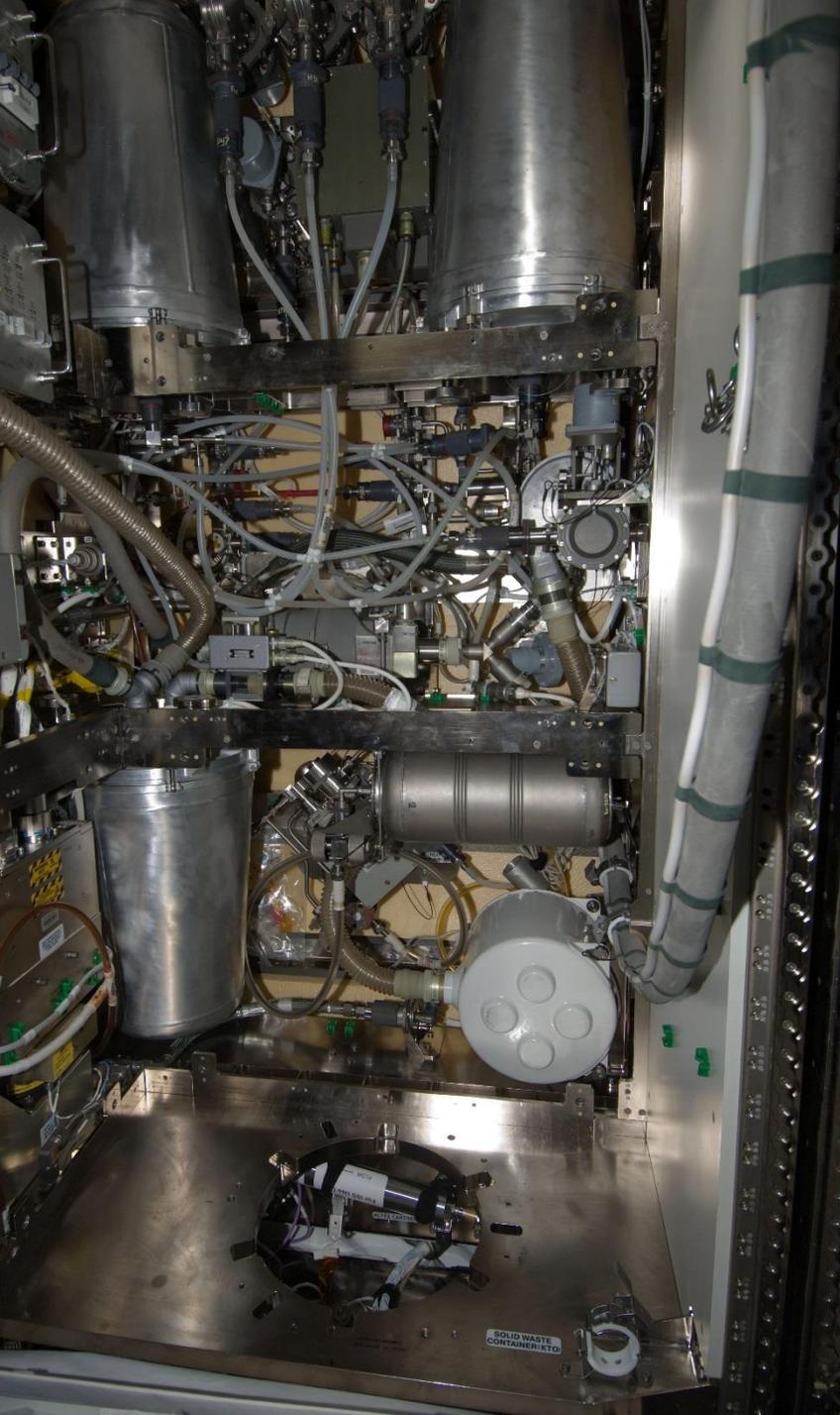
Removable panels for access to equipment

Solid waste container with air flow to pull solids and smells into container

Foot restraints to keep yourself situated

This is the Waste and Hygiene Compartment (WHC—also known as the space toilet). This page is background information only.





ISS020E022686

This is what it looks like when someone is working on the WHC and has all the panels are off. This is a little more complicated than the water tank and flapper valve at home. The surrounding privacy Kabin has been removed for easier access.

ISS026E015099



- The Velcro bars were originally flown up as pieces that would protect the privacy curtain from flapping around during launch vibrations. Once the WHC was fully assembled, the velcro bars would not be needed and they were to be thrown away. The crew liked the amount of velcro and the locations so they kept them. After several years of use, the velcro is dirty and needs to be thrown away but the crew would like some replacement bars. Removing the velcro and replacing it is difficult and time consuming due to the type of glue used. The astronaut's time would be better spent doing experiments.



ISS024E006257

On orbit the crew uses the velcro bars as a temporary holding space for tools, wipes, sample bottles and holding spots for the hygiene products while they are cleaning themselves like shampoo, bags of soap. Sometimes they will use clips on the velcro to hold their towels or washcloths. Bungees are also used often for holding other packets of washing materials, tools, or replacement parts for the WHC or experiments.

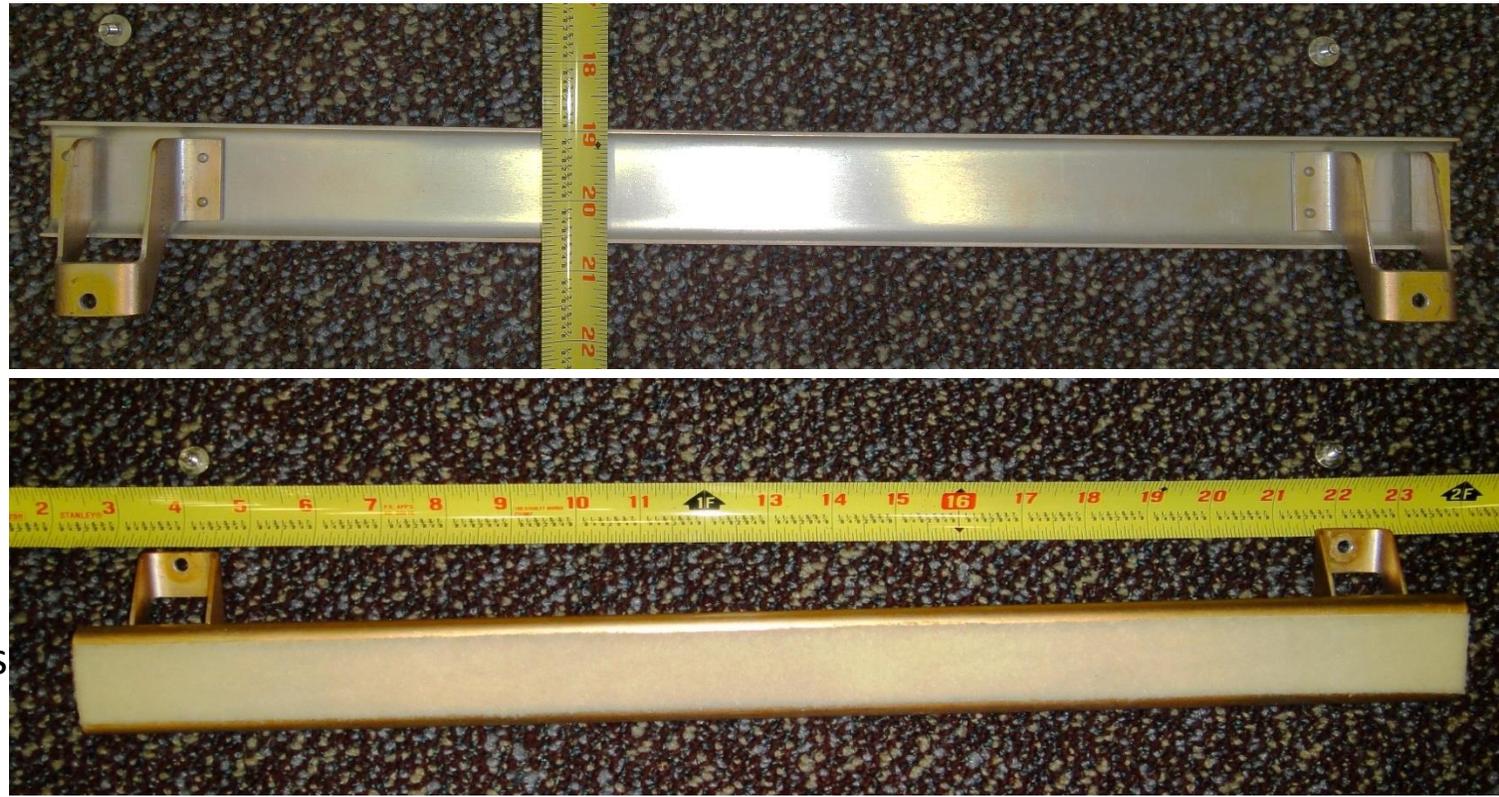


ISS026E022681



The current velcro bars are made of anodized aluminum sheet metal and are currently 22in long and stand off from the wall 1 3/8" with 3/4" clearance underneath for the seat track and have the pile side of velcro on the bar (not the hook side). The holes for attaching to the bar to the wall are 18" apart with a 1/4" hole.

The seat track the velcro bar passes over is 3/8" thick.



- What else might be done with these velcro bars besides velcro that could be of value?
- What kind of clip might be helpful? Clothes pin, chip clip, big paper clips
- Would weak magnetic strips be of use for tools?
- Bungee loops or tether points?
- Do both bars have to be the same?