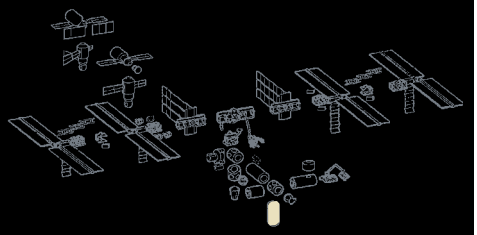
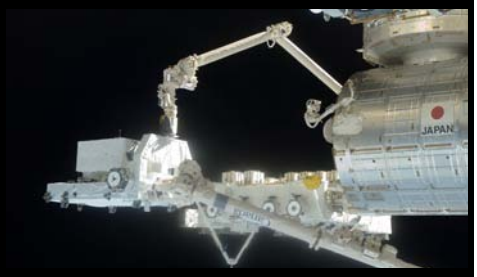




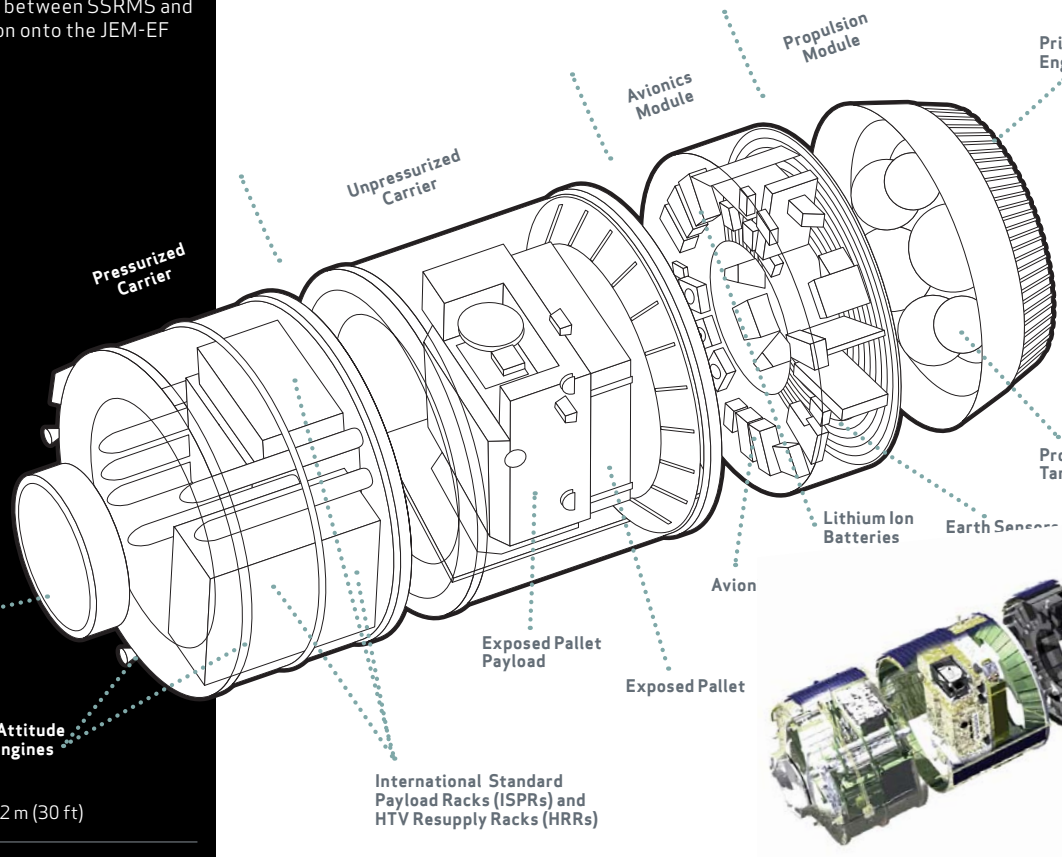
View from the ISS of the HTV1 EP (External Pallet) during a handoff between SSRMS and JEM-RMS for installation onto the JEM-EF (Exposed Facility).

JAXA H-II Transfer Vehicle (HTV)

Japan Aerospace Exploration Agency (JAXA)/ Mitsubishi Heavy Industries, Ltd.

The H-II Transfer Vehicle is an automated logistical resupply vehicle designed to berth to the International Space Station using the Space Station Remote Manipulator System (SSRMS). HTV offers the capability to carry logistics materials in both its internal pressurized carrier as well as in an unpressurized carrier for exterior placement. It is launched on the H-II unmanned launch vehicle and can carry dry cargo, gas, and water. After fresh cargo is unloaded at the ISS, the HTV is loaded with trash and waste products; after unberthing and deorbit, it is incinerated during reentry.

Interior view of the HTV1 pressurized compartment.



Length	9.2 m (30 ft)
Maximum diameter	4.4 m (14.4 ft)
Launch mass	16,500 kg (36,375 lb)
Cargo upload capacity	6,000 kg (13, 228 lb)
Pressurized habitable volume	14 m^3 (495 ft^3)
Unpressurized volume	16 m^3 (565 ft^3)
ISS attached duration	45 days

View from the ISS of the HTV1 being berthed to the Node 2 Harmony nadir port by SSRMS.

View from the ISS of the HTV rendezvous prior to SSRMS capture.