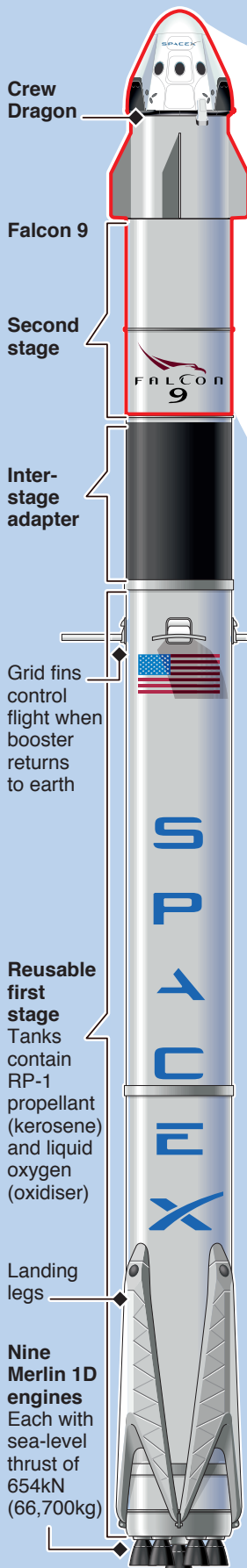


Flight of the Crew Dragon

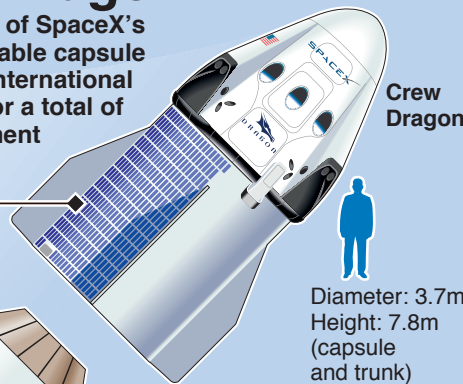
Crew Dragon is a passenger version of SpaceX's robotic Dragon cargo ship. The reusable capsule can carry seven astronauts to the International Space Station, and is built to last for a total of 10 flights before refurbishment



Trunk: Carries unpressurized cargo. Solar panels cover half of surface. Trunk jettisoned prior to re-entry

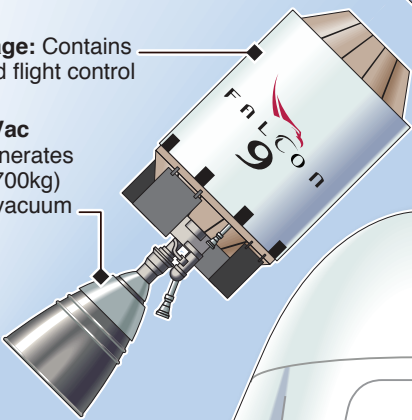
Second stage: Contains avionics and flight control computers

Merlin 1D Vac engine: Generates 801kN (81,700kg) of thrust in vacuum



Multi-mission spacecraft: Can be configured to carry astronauts, cargo, or turned into "DragonLab"

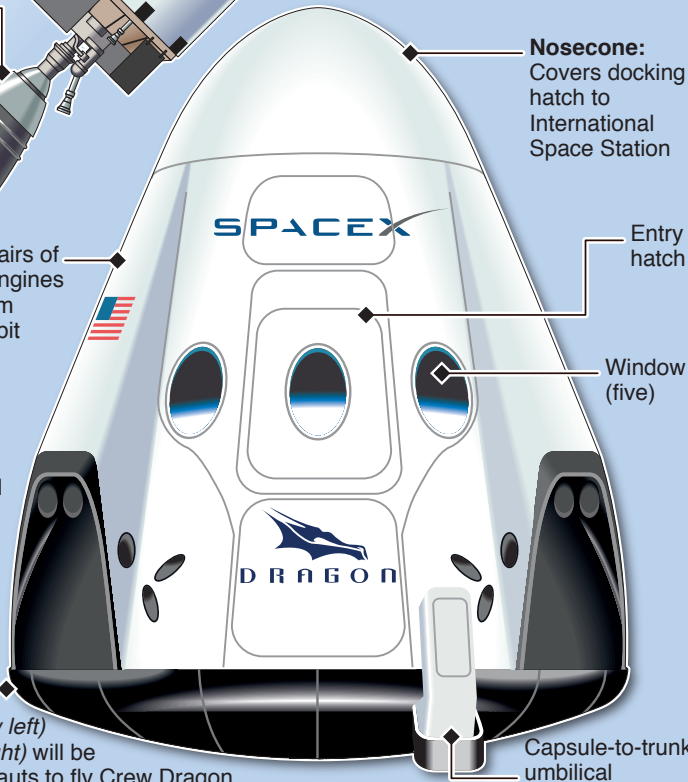
Nosecone: Covers docking hatch to International Space Station



Engine pods: Four pairs of SuperDraco rocket engines provide escape system from launch pad to orbit

SuperDraco thrusters are also used to land on Earth

Heat shield: Phenolic Impregnated Carbon Ablator-X (PICA-X) protects capsule from re-entry temperatures exceeding 1,500° Celsius



Bob Behnken (below left) and **Doug Hurley** (right) will be first two NASA astronauts to fly Crew Dragon

