

Galileo Scale Model

PARTS SHEET 5: The RPM

PRINT ON HEAVY WHITE PAPER

CUT PARTS AWAY FROM AREAS MARKED WITH THIS SHADING (APPEARS BLUE ON A COLOR MONITOR, AND GREY ON A B&W PRINTER)



PRINTING CALIBRATION

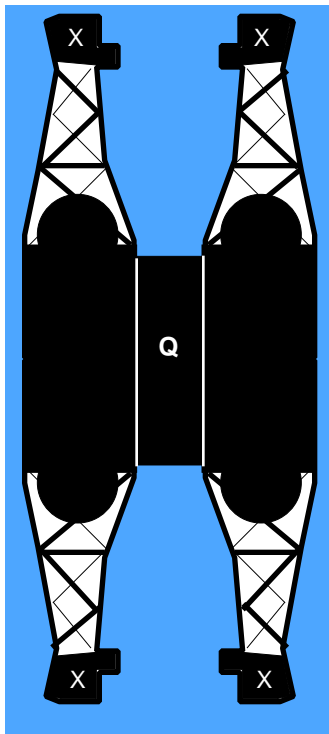
1 CM

1 INCH

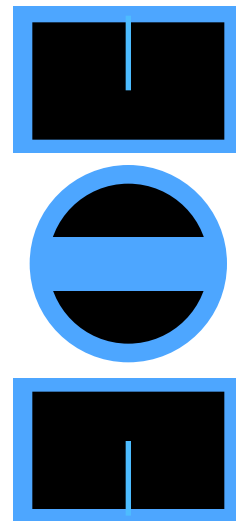
FOR ILLUSTRATED ASSEMBLY INSTRUCTIONS, GO TO <http://www.jpl.nasa.gov/galileo/model>

Galileo needed a way to slow down upon arrival at Jupiter in December, 1995, in order to enter Jovian orbit. A gravity-assist flyby of Jupiter's moon Io helped slow Galileo, but not enough. The Retro Propulsion Module (RPM) was equipped with the rocket engine and the propellants to do the job. The RPM also has small thrusters which are used for routine attitude control, and for small trajectory and spin rate corrections. Galileo's RPM was supplied by the Federal Republic of Germany.

THRUSTER BOOMS



THRUSTER SHIELDS



RETRO PROPULSION MODULE (RPM)

