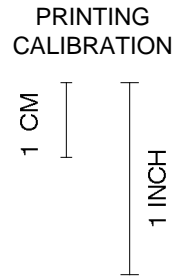


Galileo Scale Model

PARTS SHEET 3: The Spun Bus PRINT ON HEAVY WHITE PAPER

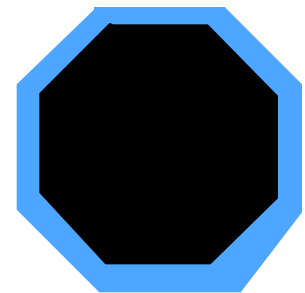
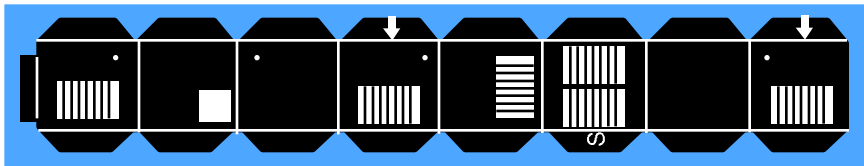
CUT PARTS AWAY FROM AREAS MARKED WITH THIS SHADING (APPEARS BLUE ON A COLOR MONITOR, AND GREY ON A B&W PRINTER)



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

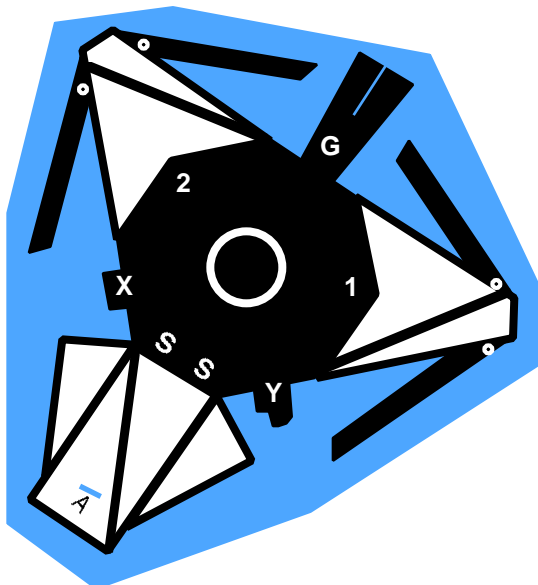
Galileo continuously spins for stability, for the fields and particles science instruments to continuously sweep their environment, and for propellant management. But the optical instruments, such as the camera, have to remain still to be able to point to their targets. The solution is a dual-spin spacecraft: while one part spins, the other part (called the de-spun section) is driven by an electric motor in the opposite direction so it stands still. The parts on this sheet, and the next two sheets, are part of the spinning section of the spacecraft. The bus structure holds the controlling hardware for the spun section. For most operations, the spun section rotates three times every minute.

SPUN BUS



BUS SUPPORT

BOOM SUPPORT STRUCTURE



STAR SCANNER



HGA SUPPORT