

Galileo Scale Model

PARTS SHEET 6: Despun Section 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)

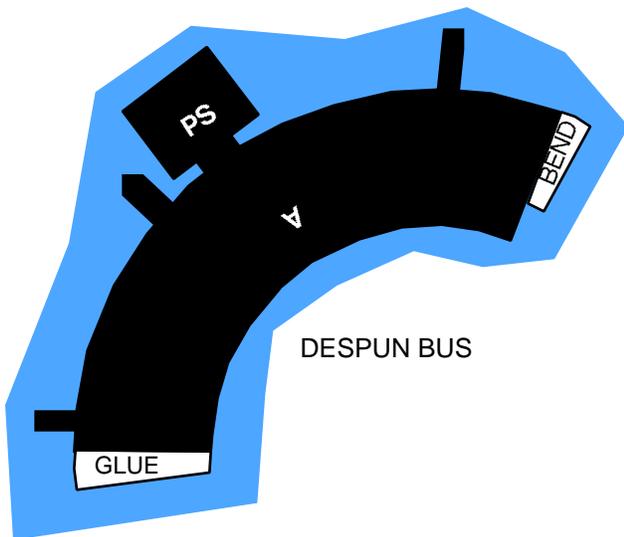
PRINTING CALIBRATION

1 CM

1 INCH

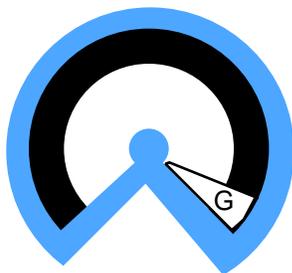
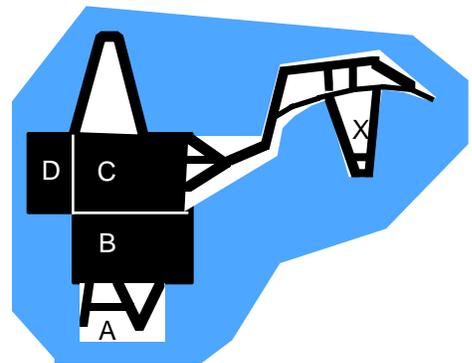
FOR ILLUSTRATED ASSEMBLY INSTRUCTIONS, GO TO <http://www.jpl.nasa.gov/galileo/model>

Since Galileo's upper portion spins, there has to be a section which remains stationary to point the optical instruments mounted on the scan platform, such as cameras and spectrometers, toward their targets. The despun section is driven by an electric motor to rotate in the direction opposite the spin. In addition to making it possible to point optical instruments, it permitted the Radio Relay Hardware (RRH) antenna to track the Atmospheric Probe, and capture its data, as it descended into Jupiter's atmosphere on December 7, 1995. The probe is represented in this model by its heat shield, which was visible externally on the spacecraft (the probe is now part of Jupiter's atmosphere!).

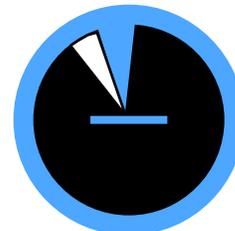


DESPUN BUS

RADIO RELAY HARDWARE (RRH)

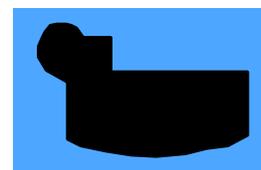
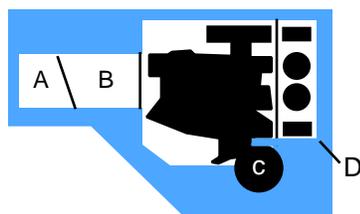


PROBE HEAT SHIELD



RRH ANTENNA

SCAN PLATFORM



SP SUNSHADE