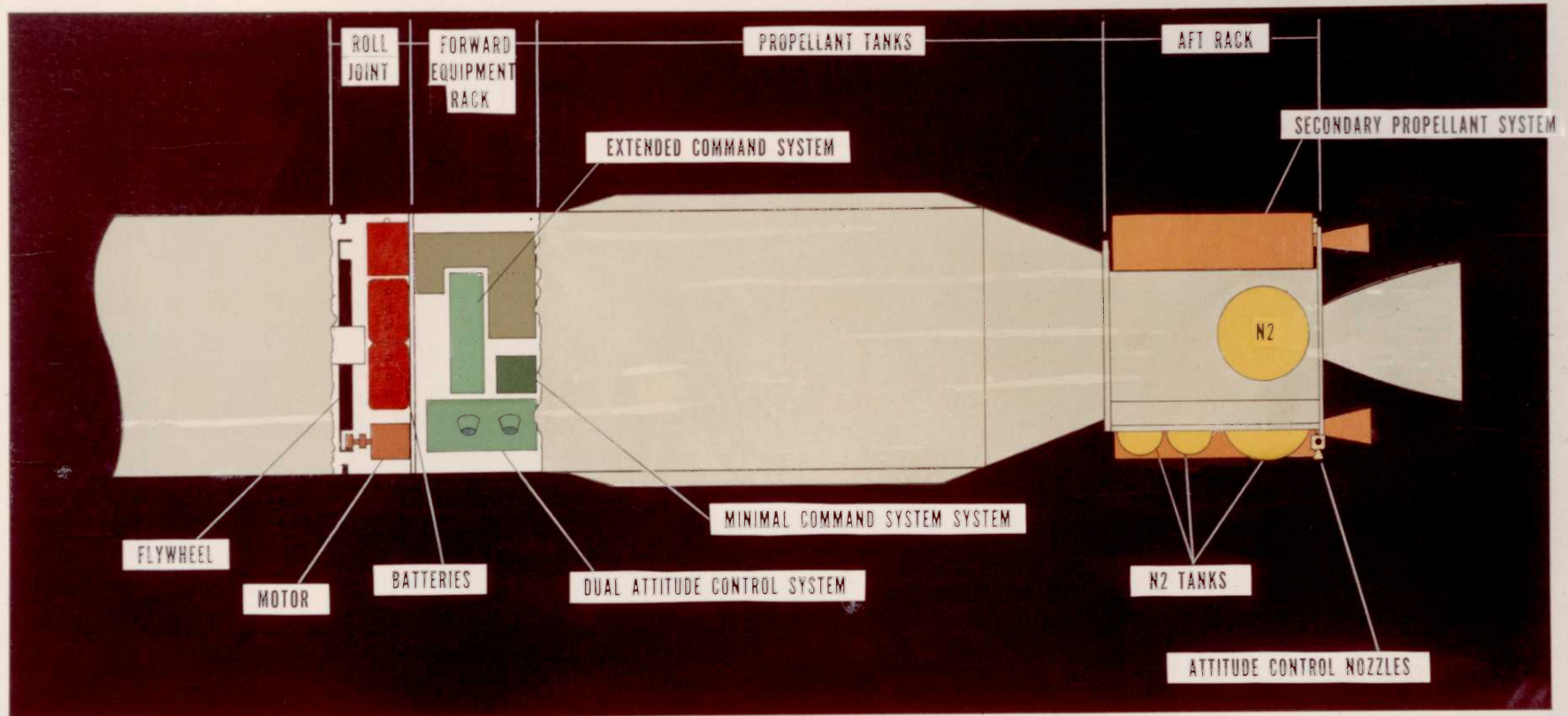


SATELLITE CONTROL/PAYLOAD ADAPTER SECTION



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PAYLOAD ADAPTER/SATELLITE CONTROL SECTIONS

PAYLOAD ADAPTER SECTION (PAS) - The PAS, attached to the forward portion of the SCS, contains a rotatable mounting ring which allows the PPS optical axis to achieve 256 discrete roll positions within $\pm 175^\circ$ throughout an angle of 89.25° . The center of this operating range is aligned to the vehicle +Z axis (vertically down). The PAS is also designed to accommodate eight magnum batteries which supply primary electrical power to the vehicle.

SATELLITE CONTROL SECTION (SCS) - The SCS is an adaptation of the standard Agena vehicle and is divided into three major components -- the Forward Section, the Tank Section, and the Aft Section.

Forward Section. The Forward Section provides facilities for mounting guidance, telemetry, propellant tank pressurization, and power distribution components. This section also contains two additional primary batteries and the MOD IV Command System. The Command System consists of an extended and minimal command subsystem, each capable of receiving, storing, and executing commands required to control the satellite vehicle.

Tank Section. The Tank Section is an aluminum, dual-chamber propellant tank assembly in which fuel (forward tank) and oxidizer (aft tank) are separately contained to supply the Main Propulsion System.

Aft Section. The Aft Section provides structural continuity from the Tank Section to the booster adapter while supporting the Main Propulsion System. Additional mounting facilities are available for the Secondary Propulsion System, Attitude Control System, hydraulic power package, and UHF antenna/receiver.

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