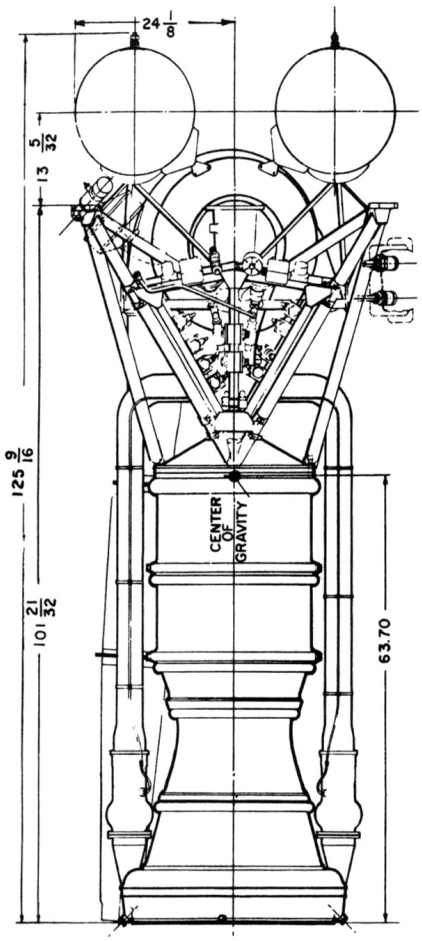
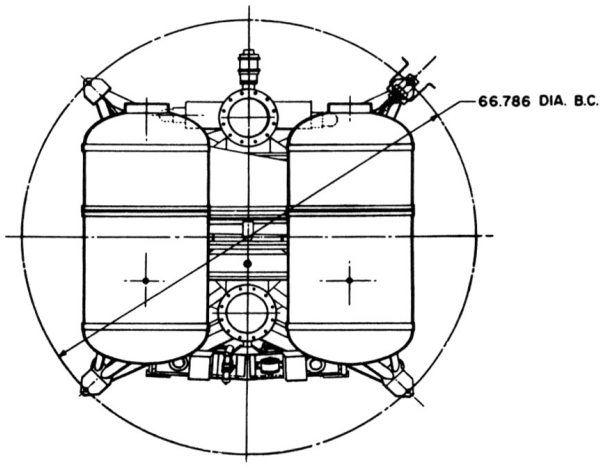
SPECIFICATIONS

NORTH AMERICAN AVIATION, INC.

HEROICRELICS.ORG

PROPULSION SECTION, AEROPHYSICS LABORATORY, DOWNEY, CALIFORNIA

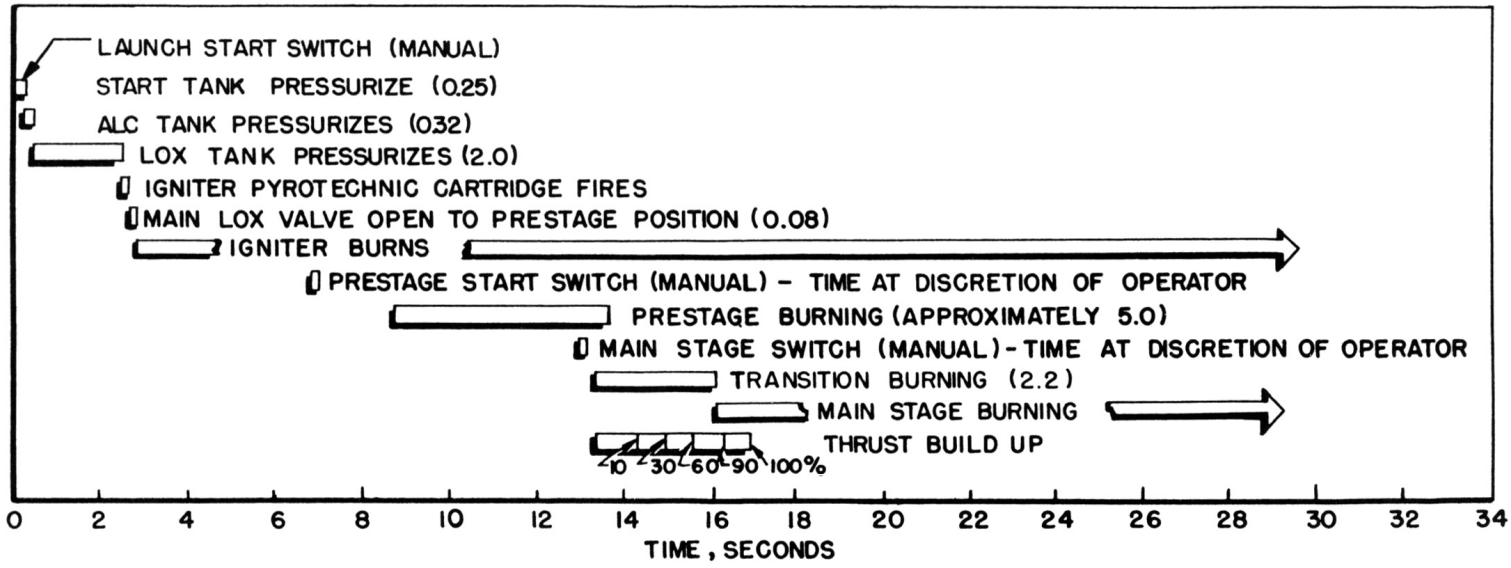




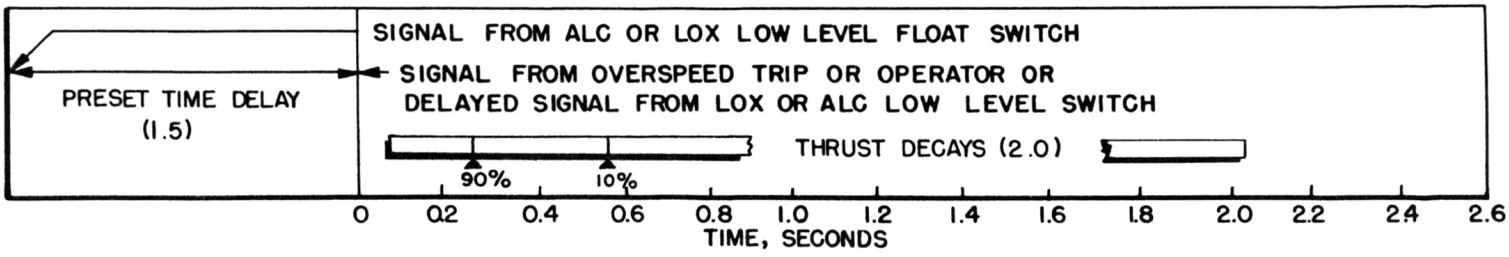
NAA 75-110

The NAA 75-110 rocket engine is a liquid propellant, turbopump fed, single thrust chamber unit, which is rated at a sea-level thrust of 75,000 lb for a duration of 110 sec. The propellants are liquid oxygen and 75-percent ethyl alcohol fed to the thrust chamber by a turbopump unit which, in turn, is powered by the decomposition gases of hydrogen peroxide(75% concentration).

The NAA 75-65 (XLR43-NA-1 Air Force designation), nearly identical to the NAA 75-110, incorporates a single hydrogen peroxide tank, thus limiting the 75,000 lb thrust to a duration of 60 sec.



TYPICAL MAJOR START OPERATIONAL SEQUENCES



TYPICAL MAJOR CUT-OFF OPERATIONAL SEQUENCES