

f 1 engine saturn pdf

The F-1 is a gas-generator cycle rocket engine developed in the United States by Rocketdyne in the late 1950s and used in the Saturn V rocket in the 1960s and early 1970s. Five F-1 engines were used in the S-IC first stage of each Saturn V, which served as the main launch vehicle of the Apollo program. The F-1 remains the most powerful single combustion chamber liquid-propellant rocket engine ...

Rocketdyne F-1 - Wikipedia

Much has been written about the voracious appetite of the Saturn V's S-IC (first) stage engines: They could consume the propellant equivalent of a backyard swimming pool in 10 seconds.

F-1 Engine Injector

The Saturn V (pronounced "Saturn five") was an American human-rated expendable rocket used by NASA between 1967 and 1973. The three-stage liquid-fueled super heavy-lift launch vehicle was developed to support the Apollo program for human exploration of the Moon and was later used to launch Skylab, the first American space station.. The Saturn V was launched 13 times from the Kennedy Space ...

Saturn V - Wikipedia

The F-1 rocket engine's LOX dome (aka "oxidizer dome") routes high-pressure liquid oxygen (LOX) from the turbopump to the injector, where it is mixed with fuel and subsequently burned.. The LOX dome is located at the forward end of the engine, between the gimbal bearing and the injector:

F-1 Engine LOX Dome - heroicrelics.org

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