

ARTEMIS IV

FIRST FLIGHT OF SLS BLOCK 1B

SLS Block 1B is a game changer with its Exploration Upper Stage (EUS)

3x More Mass to Lunar Orbit Than Any Other Rocket

SLS BLOCK 1B CREW with EUS can launch more than 83,000 LBS or

38 METRIC TONS TO THE MOON

40% MORE PAYLOAD TO THE MOON



SLS BLOCK 1B CREW

EUS

Fueled Weight 278,000 LBS

The Four-Engine EUS Provides

97,360 LBS OF THRUST



RL10 x 4



LH2 TANK

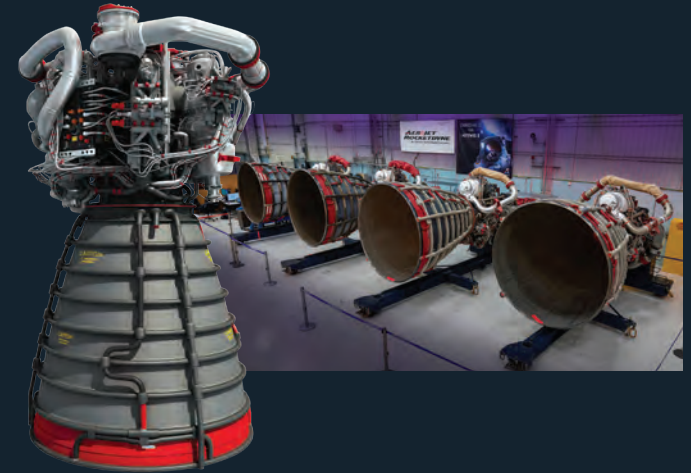
LOX TANK

RL10 ENGINES

THE RS-25 ENGINE

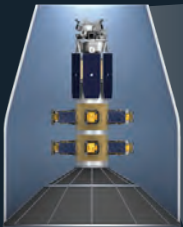
The Most Reliable, Flight Proven Liquid Booster Rocket Engine Ever Built

The Artemis IV engines flew on 29 shuttle missions carrying 142 astronauts to orbit – more than any other set of shuttle-era engines used for Artemis



Mixed Manifest and Cargo Version Accommodates all Payload Sizes from Cubesats up to Largest Telescopes

ORION + 10 mT CO-MANIFEST PAYLOAD TO THE MOON



SLS CO-MANIFEST PAYLOAD with secondary satellite and multiple ESPA-class satellites



42 mT PAYLOAD TO THE MOON



SLS 8.4m FAIRING with large aperture telescope



ENGINE 2050
6 Flights



ENGINE 2044
13 Flights

ENGINE 2051
10 Flights



ENGINE 2052
9 Flights

NO. 2052 recorded the one-millionth second of cumulative Space Shuttle Main Engine firing time during a test in 2004

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ARTEMIS IV - NASA'S SLS (SPACE LAUNCH SYSTEM)
POWERED BY AEROJET ROCKETDYNE

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