

# ARTEMIS II

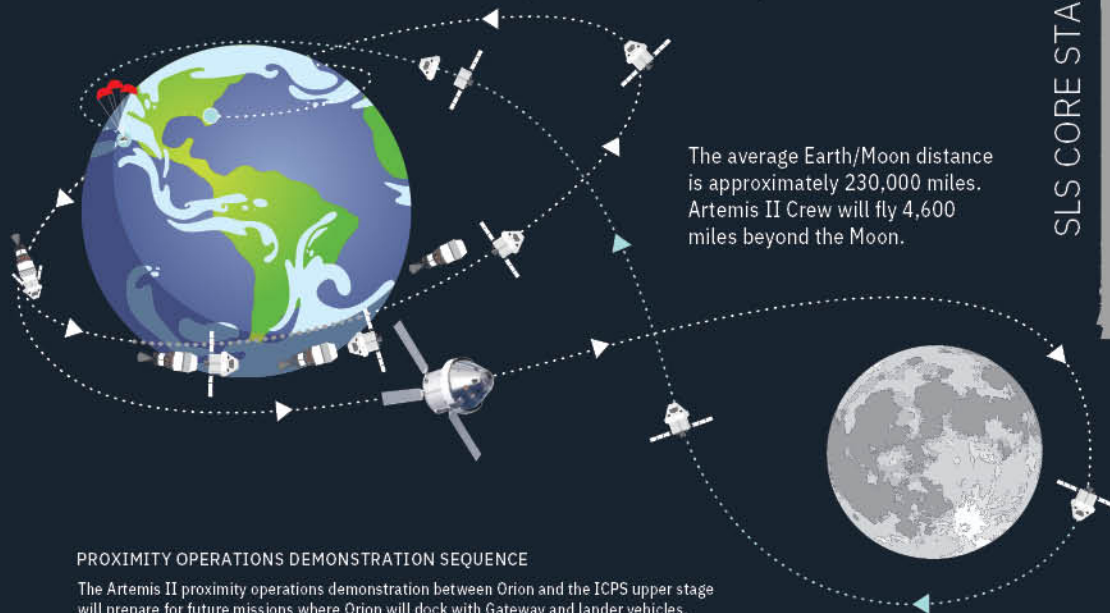
## FIRST CREWED FLIGHT TO THE MOON SINCE APOLLO

### FIRSTS

First woman and first person of color to travel to deep space

First crewed mission of the SLS and Orion

First time returning humans to lunar vicinity in more than 50 years



#### PROXIMITY OPERATIONS DEMONSTRATION SEQUENCE

The Artemis II proximity operations demonstration between Orion and the ICPS upper stage will prepare for future missions where Orion will dock with Gateway and lander vehicles.

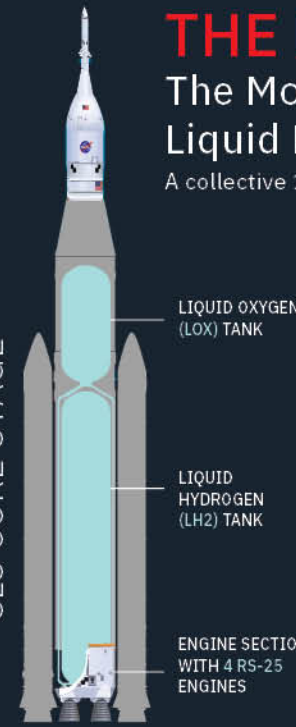


## THE RS-25 ENGINE

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

A collective 1.1 M seconds of hot-fire experience and 409 engine flights.

SLS CORE STAGE



LIQUID OXYGEN (LOX) TANK

LIQUID HYDROGEN (LH2) TANK

ENGINE SECTION WITH 4 RS-25 ENGINES

SLS REACHES MACH 23 FASTER THAN 17,000 MPH IN JUST 8.5 MINUTES

The RS-25 engine is a reliable, high-performance engine in a class all by itself.

#### ENGINE 2059

5 Flights Including Space Shuttle Penultimate Mission



#### ENGINE 2047

15 Flights Including Space Shuttle Final Mission

#### ENGINE 2062

Inaugural Flight Assembled at the end of the Space Shuttle program at NASA's Kennedy Space Center, but never flew

#### ENGINE 2063

Inaugural Flight First flight engine fully assembled at NASA's Stennis Space Center

Built by L3Harris, engines 2059, 2047, 2062 and 2063 will support the Artemis II mission. Two of the RS-25 engines are upgraded Space Shuttle Main Engines (SSMEs) that flew before; and two will make their inaugural flight on the Artemis II mission. Two of the engines supported 20 successful Space Shuttle missions, and now they will usher in a new era of exploration.

© 2023 L3Harris Technologies, Inc. H40277-01 (11/2022) [Image and Content]



ARTEMIS II - NASA'S SPACE LAUNCH SYSTEM (SLS)  
POWERED BY L3HARRIS

L3HARRIS.COM

