# NASA's Space Launch System SLS

# RS-25 AWESOMENESS

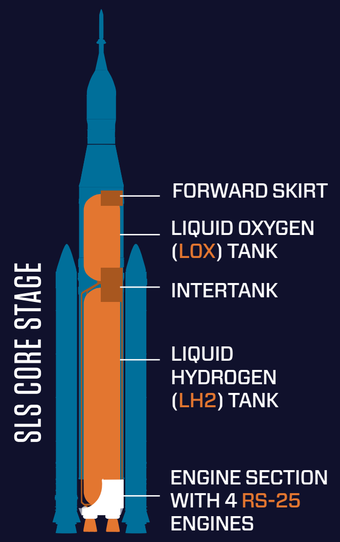
## The Most Reliable, Flight Proven Engine Ever Built.

Powered by Aerojet Rocketdyne

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

The RS-25 engines are flight proven. A collective 1.1 M seconds of hot-fire experience and 405 engine flights.

SLS REACHES MACH 23
Faster than 17,000 MPH in just 8.5 minutes



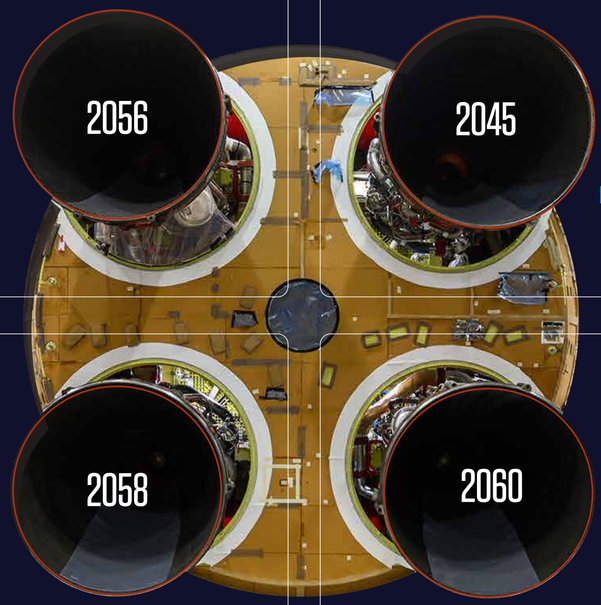

Upgraded for SLS from the Space Shuttle program, engines 2045, 2056, 2058 and 2060 will support the first SLS flight, Artemis I.

Anticipating the need for new engines after the current inventory is expended, NASA and Aerojet Rocketdyne have restarted production of new RS-25s that will cost at least 30 percent less than previous RS-25 engines while providing 521,000 pounds of thrust, and will operate at 111% power level.

24 ENGINES
IN PRODUCTION
16 IN INVENTORY

### ENGINE 2056
9 Starts
4,389 Seconds
4 Flights
Including Hubble Telescope Servicing

### ENGINE 2045
14 Starts
7,016 Seconds
12 Flights
Including John Glenn Flight and Shuttle Final Mission




### ENGINE 2058
8 Starts
4,105 Seconds
6 Flights
6 Missions to Space Station

### ENGINE 2060
6 Starts
2,951 Seconds
3 Flights
Including Shuttle Final Mission

NASA's Space Launch System (SLS): Powered by Aerojet Rocketdyne,
America's Exploration Rocket is taking humans to the Moon & beyond

AEROJET ROCKETDYNE

ROCKET.COM/ARTEMIS