



Aerojet Rocketdyne Delivers Orion Auxiliary Engines for Artemis 2

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- *Engines manufactured by Aerojet Rocketdyne will support the first crewed mission of the Orion spacecraft*
- *Eight auxiliary engines that control Orion's orbital maneuvering will be integrated into the service module*
- *Aerojet Rocketdyne is contracted to supply Orion's auxiliary engines through Artemis 2*

REDMOND, Wash., June 25, 2019 (GLOBE NEWSWIRE) -- Aerojet Rocketdyne has delivered eight auxiliary engines for integration into the European Service Module (ESM) of NASA's Orion spacecraft. During Artemis 2, Orion's first mission to carry astronauts, the engines will maintain the spacecraft's in-space trajectory and position, as well as serve as backup to the main engine.

Orion will be capable of taking crews to deep space destinations and returning them safely to Earth. Launched on NASA's new Space Launch System (SLS) heavy-lift rocket, Orion is designed to carry people farther into space for longer periods of time than ever before, withstanding higher levels of radiation and re-entry speeds than any previous human-rated spacecraft.

"Based on the flight-proven R-4D engine, our auxiliary engines will provide critical maneuverability and propulsive support to Orion throughout its mission," said Aerojet Rocketdyne CEO and President Eileen Drake.

The eight 110-pound-thrust bipropellant engines will be coupled into four pairs on the bottom of the ESM. The ESM, which remains connected to the spacecraft throughout the mission until just prior to Orion's re-entry to Earth's atmosphere, provides propulsion, power, temperature control, air and water for crew members.

The auxiliary engines for Orion are manufactured, tested and qualified at Aerojet Rocketdyne's Redmond, Washington facility under a contract to Lockheed Martin, NASA's prime contractor for Orion. Aerojet Rocketdyne also provides the service module main engine components, Launch Abort System jettison motor, crew module reaction control system and composite overwrapped pressure vessels for the Orion spacecraft.

About Aerojet Rocketdyne: Aerojet Rocketdyne, a subsidiary of Aerojet Rocketdyne Holdings, Inc. (NYSE:AJRD), is a world-recognized aerospace and defense leader that provides propulsion systems and energetics to the space, missile defense and strategic systems, and tactical systems areas, in support of domestic and international customers. For more information, visit www.Rocket.com and www.AerojetRocketdyne.com. Follow Aerojet Rocketdyne and CEO Eileen Drake on Twitter at [@AerojetRdyne](https://twitter.com/AerojetRdyne) and [@DrakeEileen](https://twitter.com/DrakeEileen).

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