

Image: Orion prepares to move to launch pad

November 6 2014



Credit: NASA

On Dec. 4, Orion is scheduled to launch atop a United Launch Alliance Delta IV Heavy rocket from Cape Canaveral Air Force Station's Space Launch Complex 37 in Florida. During the test, Orion will travel 3,600

miles in altitude above Earth. 4 1/2 hours later, the spacecraft will reenter the atmosphere at 20,000 mph and splash down in the Pacific Ocean. Orion's first flight will verify launch and high-speed reentry systems such as avionics, attitude control, parachutes and the heat shield.

Four recently-installed protective panels make up Orion's Ogive. The Ogive reduces drag and acoustic load on the crew module, making it a smoother ride for the spacecraft. Pictured here, inside the Launch Abort System Facility at NASA's Kennedy Space Center in Florida, a crane brings the fourth and final Ogive panel closer for installation on Orion's Launch Abort System.

The Ogive installation was one of the last pieces of the puzzle for Orion prior to its move to the [launch pad](#) on Nov. 10. There, it will be lifted and attached to the rocket for its December launch.

Provided by NASA

Citation: Image: Orion prepares to move to launch pad (2014, November 6) retrieved 1 May 2024 from <https://phys.org/news/2014-11-image-orion-pad.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.