



## Stress test

During a key test in March at Boeing's factory in Everett, Wash., the composite wings of the 787 static test airplane were bent upward until they experienced 150 percent of the most extreme forces, or ultimate load, the airplane is ever expected to encounter during service. At the same time, the composite fuselage of the Dreamliner was pressured to 150 percent of its maximum normal operating condition. When this photo was taken, the 787 wing tips were at the maximum point of deflection, about 25 feet (7.6 meters) from normal. A detailed analysis of data collected during the test found the 787 met all requirements and performed as designed. PHOTO: JENNIFER REITZ/BOEING