

# RANS

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**Assembly Alert: 174**

**Date: September 29, 2014**

**Subject: Incorrect installation of internal Doublers in Trailing Edge Spars - KPWI0580-L/R**

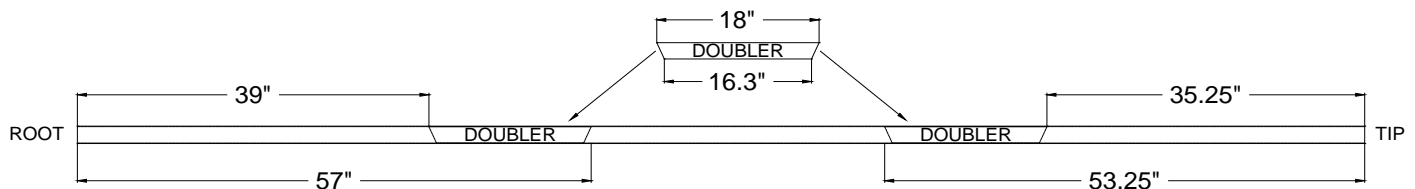
**Compliance: Mandatory**

**Models Affected: S-7S and S-20 WINGS shipped between 06/01/2014 and 08/26/2014**

Trailing Edge Spars (KPWI0580-L/R Lot #45802) may have internal Doublers of incorrect length installed. These wing spars may have been shipped in KITS with WINGS or as WING KITS.

Two Internal Doublers are installed per Trailing Edge Spar. Approximate location and size of each Doubler is shown in **FIGURE AA174**.

**FIGURE AA174**



Insert a stiff Tape Measure into the spar and locate end of the Doubler. Doubler cut orientation in the spar is not critical, but longest bevel-cut end should be relatively close to the dimension shown from each end of spar. Record dimension. After finding end of Doubler, insert tape farther and hook the other end of the Doubler. Record dimension. Length of Doubler should be 18" at longest dimension and 16.3" at shortest dimension. If lengths are significantly shorter, then a new Trailing Edge Spar will be required.

Follow the procedure below to obtain a replacement.

1. Double check dimensions.
2. Cut spar 1 inch on either side of Doublers.
3. Photograph spar, with sections cut, and email to RANS Parts Department [parts@rans.com](mailto:parts@rans.com)
4. Include text "WING SPAR DOUBLERS" in subject line and specify whether RIGHT, LEFT or BOTH are required.
5. Replacement Spars will only be shipped after photographic confirmation of Spar destruction is received by RANS.

Thank you for your attention to this matter. RANS hopes that we have not inconvenienced you to any great degree. Fly safe!