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Subject: ERA22LA427, Wing Sail Information

Contact: Kamron Blevins, President of North Wing, Inc.

As part of the investigation, Mr. Kamron Blevins, President of North Wing, Inc., was contacted to obtain information about the North Wing GT5 13.5m wing that was installed on the accident aircraft in 2016. A review of the Quest GT5 Wing Manual revealed that the sail was designed to be retained to the wing structure at the leading edge tip by a "sail strap" positioned over the end of the trim tip cap and then fitted in a slot, or groove (Figure 1).

The manufacturer reported that the only way for the sail to move inboard along the leading edge tube was if the sail strap was not installed properly all the way over the leading edge tip cap. He added that once the strap was in the cap's groove, it could not come out. He also indicated that the only reason to remove the sail strap would be to tune the wing with shims.



Figure 1: View Showing How Sail Strap Is Positioned over Leading Edge Tube Trim Tip Cap.