

RANS

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Assembly Alert: 181

Date: August 22, 2016

Subject: Improved installation method for 13 Gallon Fuel Tanks.

Compliance: Optional - Builder Discretion

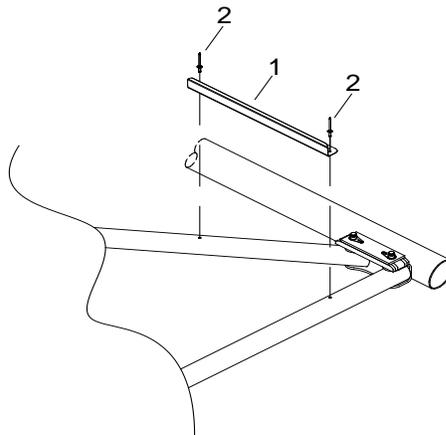
Models Affected: All S-7S and S-20 under construction.

Cost: No Charge

During testing of a 13-gallon tank install at the factory, a leak was discovered at one of the Insert Nuts molded into the tank. Over-torquing at these points of attach, along with possibly thinner tank walls, was cited as the cause. A simpler mounting design, not using the Insert Nuts as attach points, was created to avoid the potential leakage source. This mounting design will replace the Wing Tank - Mount Brackets (KPFS0007) with a Fuel Tank Retainer Angle (KPFS0105-L and KPFS0105-R) at the aft end of the fuel tank.

If your wing assembly is at the point of installing wing root skins, you may want to opt for this new install method. Please contact RANS Parts Dept. for the parts and instructions.

Refer to **FIGURE 1** and **FIGURE 2** below for installation details.



#	DESCRIPTION	PART #
1	FUEL TANK RETAINER ANGLE - LH	KPFS0105-L
1	FUEL TANK RETAINER ANGLE - RH	KPFS0105-R
2	1/8" STAINLESS STEEL RIVET - CHERRY Q	CCPQ-42

FIGURE 1 - Parts required for Installation

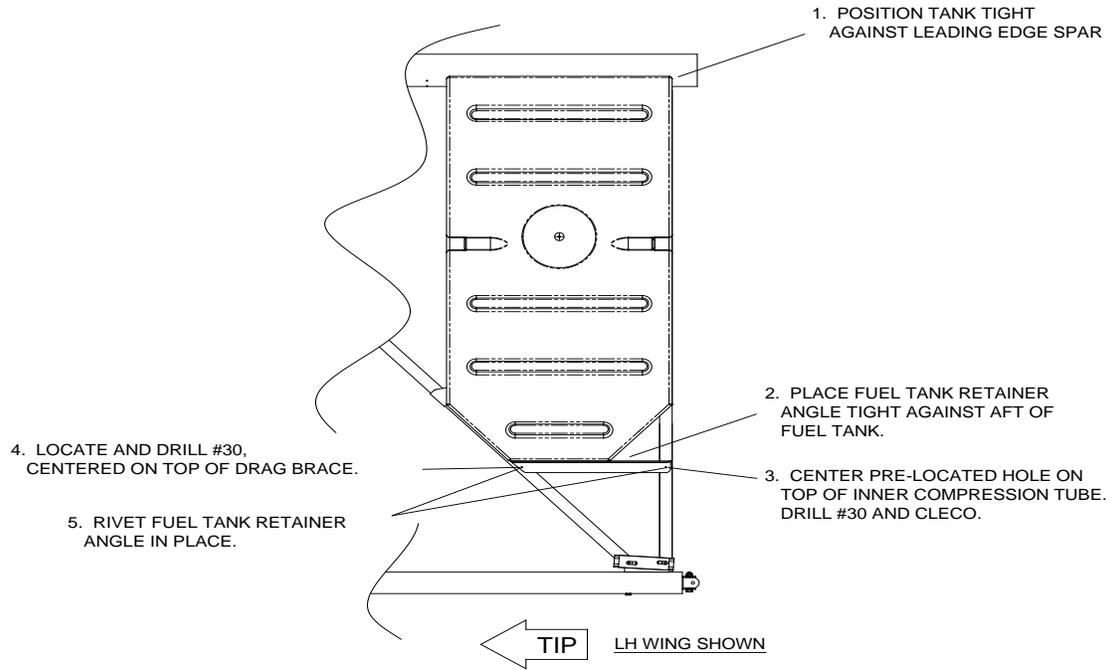


FIGURE 2 - Installation Detail

Thank you for your attention to this matter. Hopefully, we have not inconvenienced you to any great degree.

Fly safe.