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Assembly Alert: 177

Date: October 6, 2015

Subject: Header Tank Size for High-Pressure Fuel Injected Engines

Compliance: Mandatory

Models Affected: S-7S COURIER (2015) and S-20 RAVEN

If you are planning to use a high-pressure (50 psi range) fuel injected engine in either the 2015 S-7S or S-20, please check with the engine manufacture on what volume is required for the header tank.

The header tank provided in the 2015 S-7S and S-20 has a capacity of 0.75 gallon U.S. For example, a header tank of at least 1.32 gallon is specified for the ROTAX 912 iS. Undersized header tanks may allow fuel separation to occur due to the high rate of fuel/vapor return. NOTE: ROTAX also specifies a 3/8" return line from engine to header tank for the 912 iS.

RANS has larger header tanks becoming available that will fit into either model. These will most likely be in stock, after the first of the year, and are custom made to fit. Cost of tanks, installation packages and confirmation of stock will be posted when available.

Larger Header Tank Specifications:

S-7S header tank (KPFS0104).....	2.7 pounds.....	2.75 gallons
S-20 header tank (KPFS0103).....	3.8 pounds.....	6.90 gallons

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