

SUBJECT: Sealing The Fuel Filter Bowl Securing Bolt

APPLICATION: All Glasair II, II-S, Super II-S, and Glasair III aircraft. Also Glasair I aircraft which may have retrofitted to the Fram fuel filter assembly.

DESCRIPTION: Field reports from builders indicate that the Stat-O-Seal used to seal the fuel filter securing bolt, is subject to considerable twisting action when removing and installing the bolt. This eventually results in a less than perfect seal. The Fram fuel filter assembly, as supplied by Allied Signal, uses a copper gasket to seal the head of the bolt (called the Filter Head Capscrew on the Fram box) to the fuel filter head. In addition to the copper gasket, Stoddard-Hamilton has provided a Stat-O-Seal (620-7500-038) to ensure a positive seal at this point.

The Stat-O-Seal provided with the kit was expected to remain in service during several fuel filter element changes. In one case, a builder reported that this bolt seal had worn to the point that it would allow air to be drawn into the fuel lines by the suction power of the mechanical fuel pump but would not leak fuel under pressure. This resulted in loss of fuel pressure and loss of power.

REQUIRED ACTION: Stoddard Hamilton Aircraft requires that the Stat-O-Seal (620-7500-038) be replaced during every filter element change. Lubricate the seal with engine oil or light grease whenever the bolt is loosened. All fuel filter elements sold by S/H will now include a new Stat-O-Seal. Builders wishing to have extra Stat-O-Seals available can purchase them from the Stoddard-Hamilton order desk (360-435-8533).

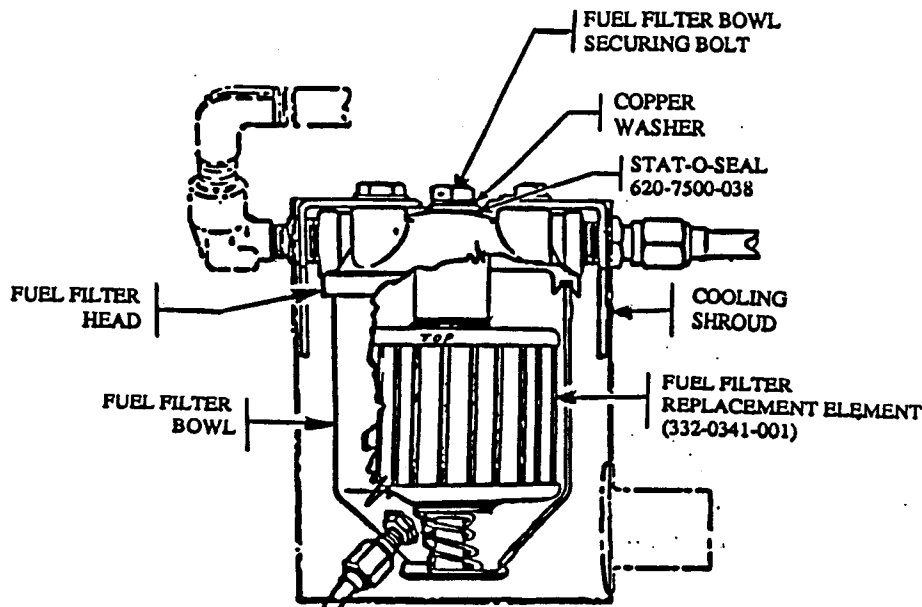


FIGURE (1)



MODEL GLASAIR	ASSEMBLY NAME SERVICE BULLETIN 130	REVISION	DATE 1/10/95	VOLUME	PAGE 1 of 1
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