

Chris/Lisa

CF. Ref. 0027.

Page 1 of 2

SOLAR WINGS LTD

SERVICE BULLETIN

no. 0027

Date 11/11/90

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SUBJECT :

Fuel Tank Sealing

MODELS AFFECTED :

Pegasus Quasar

CLASSIFICATION :

Compulsory

COMPLIANCE TIME :

Before Next flight

PURPOSE :

Leakage from the fuel tank inserts for the fuel drain and the fuel feed on some Quasars up to serial no SW-TQ-0031 has been reported. After no. SW-TQ-0031 the design of both inserts was changed so that the sealing action is by direct clamping to the tank wall.

INSPECTION :

The tank should be inspected for signs of leakage before each flight.

ACTION

If leakage is discovered at the fuel drain, ensure that the valve itself is sealing properly. If the insert is at fault, then the leakage can be prevented by installing a fuel drain sealing plate and "O" ring between the drain valve and the tank. (see fig 1.)

Leakage at the fuel pickup plate should again be investigated to ensure that the insert is at fault. If so, a sealing plate and gasket system can be installed as in fig 2.

Hylomar gasket sealing compound can be used sparingly on the gaskets, but SILICONE SEALANTS MUST NOT BE USED as they break up in the presence of fuel, with the consequent risk of blockage.

Fuel tank drain or fuel tank pickup sealing kits are available from the factory.

W. G. Brooks (Chief Designer).



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