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## **SAFETY ALERT**

#0004

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**The Airplane Factory (Pty) Ltd considers compliance with all Safety Alerts mandatory**

**RELEASE DATE:** 13 March 2014

**EFFECTIVE DATE:** 13 March 2014

**SUBJECT:** The high pressure GUD E13 fuel filters - fitted between the fuel pumps and the Rotax 912 iS engine - must be changed every 100 hours to prevent blockage and possible engine stoppage.

**MODELS AFFECTED:** Sling LSA and Sling 2 with the Rotax 912 iS engine fitted.

**AIRCRAFT SERIAL #:** 022, 035, 038, 061, 070, 080, 081, 088, 093, 094, 097, 102, 113, 114, 124, 126, 127, 130, 131, 132, 133, 135, 136, 137, 139, 140, 143, 144.

**COMPLIANCE TIME:** Check when the GUD E13 fuel filters were last changed. If more than 100 hours since the last fuel filter change then the filter must be changed before the next flight.

**PURPOSE:** GUD E13 fuel filters fitted to the Rotax 912 iS could become blocked at approximately 300 hours and may cause an engine stoppage. Also, the top of the fuel filter may pop off under the excessive pressure caused by the blockage. It is recommended that a GUD E14 fuel filter be fitted in future as it has a higher pressure limit.

**PARTS/EQUIP LIST:** 1 x GUD E13 fuel filter or preferably the higher pressure GUD E14 fuel filter or an equivalent high pressure fuel filter.  
(Specifications of the GUD E14 fine fuel filter: Minimum 0.05 – 0.06 mm mesh size filter, 16 Bar pressure, 80 mm dia, 125 mm long, hose fitting each end 8 mm dia. Ref; Rotax 912 iS Installation Manual, Chapter 73-00-00 Fuel System)  
2 x Oetiker OET 15 double ear hose clamps  
1 m 0.032" locking wire  
6 x 200 mm cable ties  
1 x Oetiker hose clamp tool  
1 x locking wire pliers

**INSTRUCTIONS:** Pull back the Silicon heat protection sleeve where necessary, cut the Oetiker hose clamps off the GUD fuel filter, remove the old GUD fuel filter and replace it with the new GUD fuel filter. Ensure the filter is orientated with the correct direction of flow towards the engine.  
Because of the high pressure of the fuel injection system it is important that the Oetiker 2 ear clamps are used. Worm drive hose clamps will not hold the fuel hose

on the fuel filter when under pressure. Ensure the clamping of the Oetiker clamps has been done correctly.  
Refit the heat protection sleeve and lock wire where required.  
Run the engine up to full power in a safe open area after the installation to check for correct operation and leaks.  
Have a fire extinguisher ready in case of a fire.

For a video on how to remove and refit the Oetiker clamps view the following:

<http://www.eaavideo.org/video.aspx?bcpid=90015277001&bckey=AQ~~,AAAAACVfYk8~,joSdWnzSW53SWMSXWb0FjhSSjUZumgFr&bctid=10529461001>

