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Registration no 2002/022837/07  
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## NOTIFICATION

#0007

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**(The Airplane Factory (Pty) Ltd. considers compliance with all Notification mandatory)**

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**RELEASE DATE:** 7 May 2019

**EFFECTIVE DATE:** 7 May 2019

**SUBJECT:** Modification of air filter housing

**MODELS AFFECTED:** All Sling aircraft fitted with a Rotax 912ULS engine

**COMPLIANCE TIME:** If/when the K&N air filter (Part number 33-2673) is replaced

**DESCRIPTION AND PURPOSE:**

K&N modified the design of their air filter (Part number 33-2673) which is used on Rotax 912ULS engines. This resulted in the filter not fitting correctly into the air filter housing (Part number FF-CMP-004-C-A-0). A new K&N air filter (Part number 33-2931) has been sourced that better conforms to the dimensions of the air filter housing. However, its installation requires modifications to be made to the housing.

### PARTS AND CONSUMABLES LIST:

- a) 4 x (4 x 10 mm) aluminium sealed rivets
- b) 1 x FF-BKT-024-C-A-0 (912 ULS Air Filter Bracket)
- c) 2 x M6 nyloc nuts

### TOOLS REQUIRED:

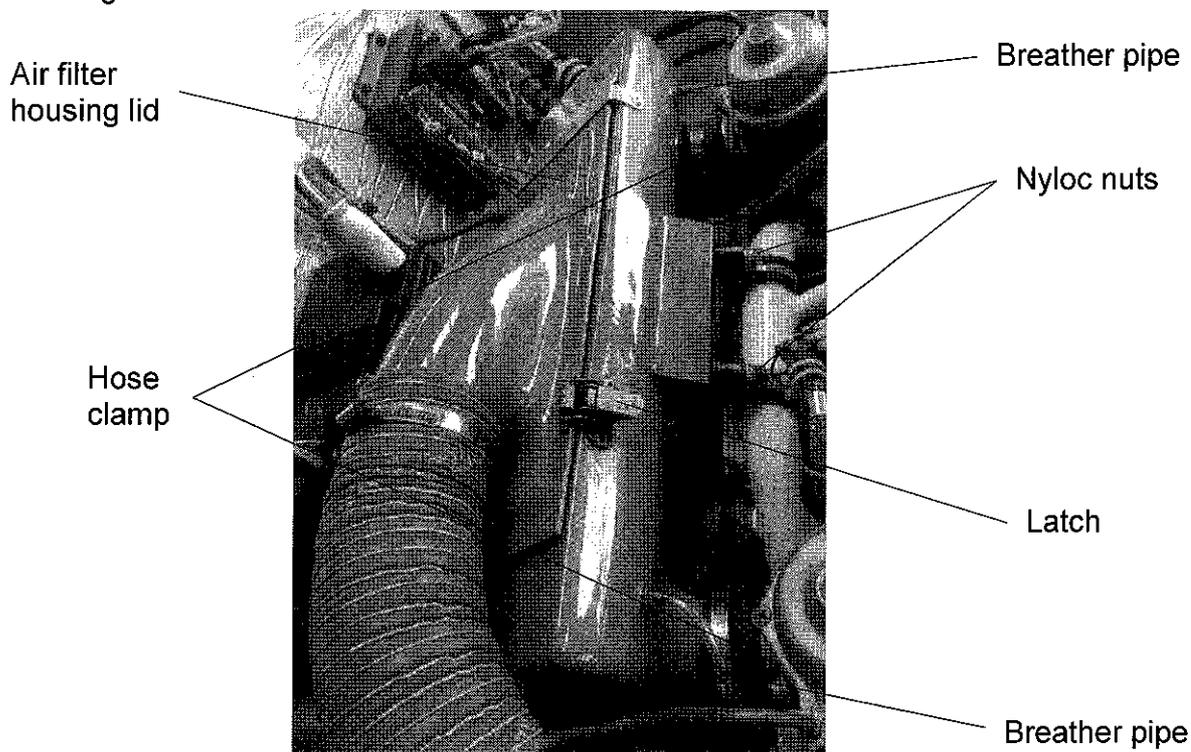
- a) Electric or air powered drill
- b) 4 mm dia. drill bit
- c) 4 mm pin punch
- d) Hammer
- e) Abrasive tool (for example angle grinder, sanding block or flat file)
- f) 10 mm spanner
- g) Philips screwdriver
- h) Rivet gun

### INSTRUCTIONS:

1. Loosen the latches on either side of the air filter housing lid to remove it.

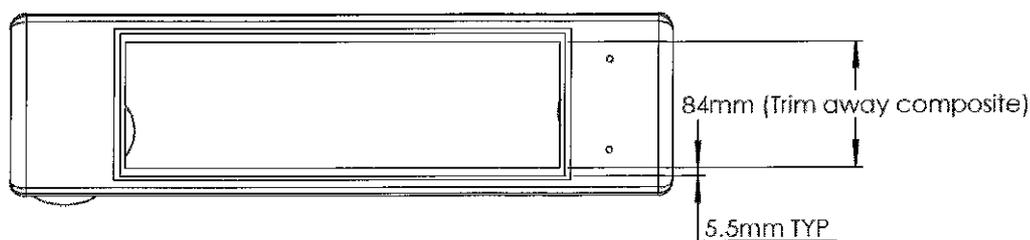
Directors M Blyth, A Pitman, J Pitman

- Remove the air filter housing from the engine by removing the clear breather pipes from the carburettor, the M6 nyloc nuts at the rubber mounts and loosening the 40 – 60 mm hose clamps as shown in Figure 1.

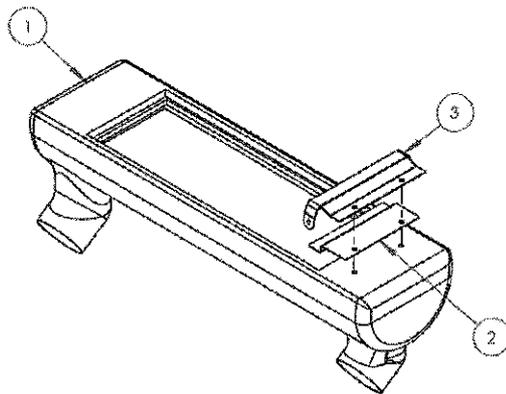


**Figure 1: Removal of air filter housing**

- Remove the four (4) rivets that attach the airbox bracket to the filter housing by drilling the rivet heads off and punching the stems out with the 4 mm pin punch.
- Trim the rectangular opening of the housing where the filter is fitted with the abrasive tool to dimensions specified in Figure 2. The dimensions indicated in Figure 2 are in **millimetres**.
- Fit the new bracket (FF-BKT-024-C-A-0) under the existing airbox bracket as shown in Figure 3.
- Secure both brackets by replacing the four (4) drilled out rivets with 4 x 10 mm aluminium sealed rivets.
- Clean the inside of the air filter housing, ensuring all debris is removed.
- To refit the air filter housing on the engine, replace with new M6 nyloc nuts, tighten the hose clamps and fit the clear breather pipes as indicated in Figure 1. The air filter housing lid may be secured with the latches once the new air filter is installed.



**Figure 2: Trimming requirements of housing**



**Figure 3: Air filter brackets**

ITEM NO.	QTY	PART NUMBER	DESCRIPTION
1	1	FF-CMP-004-C-A-0	Air filter housing, 912 ULS
2	1	<b>FF-BKT-024-C-A-0</b>	<b>912 ULS Air Filter Bracket</b>
3	1	FF-BKT-010-X-A-1	Rotax 912 ULS Airbox Bracket

**Notes:**

- (1) These alterations apply ONLY if a new K&N 33-2931 air filter is purchased.
- (2) It must be emphasised that sealed rivets are used because their sealed off ends can catch the mandrel base if it comes loose. This prevents rivet fragments from entering the engine intake.

Signed on this the 7<sup>th</sup> day of May 2019

Yours truly,

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**ANDREW PITMAN  
ACCOUNTABLE MANAGER  
MANUFACTURING ORGANISATION M677**