



Modification to engine bay fuel lines

Classification

Mandatory

Applicability

All Europa aircraft fitted with Rotax 912 or 914 engines

Compliance

Within the next 10 flying hours

Introduction

Several instances have been reported of fuel vapour lock problems, encountered after prolonged ground runs/taxying. This is due to a build up of heat in the engine bay. It is obviously advisable to minimise the temperatures generally in the engine bay, and much can be achieved by lagging the exhaust pipes, particularly the one running close to the oil tank. However it is necessary to pay particular attention to the fuel lines to minimise heat input to the fuel.

Action

Enclose the stainless steel braided fuel hoses in the engine compartment with insulating firesleeve.

A suitable material is Aeroquip AE102 fire resistant sleeve, which is widely available. The size FBS0900 can be used for both sizes of hose. The ends can be terminated with hose clips.