

	<b>Standard Modification</b> Issue 1	Mod No. SM10050
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## TITLE : Low Power Wind Driven Alternator

APPLICABILITY : Piper Cub and Vagabond J3, J4, PA-11,15,17,19 and PA-18  
(except PA18/18A-150)

Mod Type : New Build & Retro-fit

### 1. Introduction

This modification covers the mechanical aspects of installing an external wind driven alternator.

Installation of a battery and other electrical components require a separate modification approved on an individual aircraft basis, i.e. position and design of support for battery.

### 2. Parts List

2.1 Manufacture and procure the following new parts:

Qty	Description	Source
1	Air Driven Alternator Kit	Airworld (UK) Ltd, PO Box 1835, MK18 3ZS

### 3. Action

3.1 Install alternator in accordance with procedure no. 80-1008-401B supplied with kit of parts.

3.2 Inspector to inspect and verify conformity & workmanship.

### 4. Flight Test and Special Inspections

4.1 The aircraft will need to be subject to a standard flight test schedule to confirm that the performance is not adversely affected. A Permit Flight Release Certificate will be required from LAA Engineering when ready to conduct this test.

4.2 It is assumed that this mod will be incorporated in conjunction with a separately approved electrical system installation. The aircraft must not be flown with the alternator lacking connection to an electrical system, without approval from LAA Engineering.

### 5. Weight and Balance

5.1 New weight and balance schedule to be raised, to account for the additional equipment.

### 6. Certification

6.1 Appropriate logbook entry to be made by approved LAA inspector, prior to the air test.

6.2 Appropriate completion statement to be included in aircraft logbook once aircraft has satisfied the air test requirement.