



## Installation instruction for Rotax ultralight engines

part no. 897 701

### 1) Introduction

This information is intended to assist the aircraft designer and manufacturer to achieve correct operating conditions for the engine and consequently optimum performance and reliability.

ROTAX ultralight engines have been specifically developed for use in ultralight aircraft. They are not intended to be used for certified motorgliders and other aircraft subject to specific legislation. If in doubt, the regulations of the national authorities or governing bodies should be consulted.

The engines must only be run with accessories supplied, recommended or approved by ROTAX. Modifications must not be made without the approval of the engine manufacturer.

For operational limitations please refer to the respective data sheets and instructions (see par. 2). The following installation instructions should help to prevent mistakes and to ensure safe subsequent operation.

### 2) Technical data and general information

In addition to these installation instructions please refer to

- Operators' Manual
- Engine Data Sheet
- Power, torque and fuel consumption curves
- Spare parts list.

### 3) Engine installation and mounting points

#### 3.1) Position of engine

##### 3.1.1) Standard installation:

Refers to engine with crankshaft in horizontal position and cylinders up (i.e. spark plugs on top). This installation should be applied if at all possible.

##### 3.1.2) Inverted engine installation:

If an engine is to be installed with cylinders down (i.e. spark plugs towards bottom), observe the hints in the manual for the respective engine as well as paragraphs 5.3.6) and 10.3) in this Service Information. Installation with spark plugs down involves certain disadvantages, e.g. as to spark plug life, carbon deposits in combustion chamber and engine lubrication. In case of doubt, contact the engine manufacturer (in writing).