

FITTING AN ENGINE OF A NEW TYPE TO A MICROLIGHT

If a microlight builder wishes to equip his aircraft with an engine of equivalent power and weight to that normally fitted, but the engine is not a type of engine dealt with previously by the LAA, the following will be required as a minimum:

- a. A specification sheet for the engine
- b. A description of the engine and description of its development history
- c. A copy of any service bulletins relating
- d. A copy of the engine operating manual
- e. A copy of the engine installation manual
- f. A copy of the engine service schedule
- g. A report detailing how the proposed installation complies with the requirements contained in Subpart D and E of BCAR Section S, and also S361 and S363.
- h. The completed aeroplane will need to be shown to meet the Section S weight and balance requirements of S23, S25, S29
- i. The completed aeroplane will need to be shown to meet the Section S Subpart B flight requirements
- j. The engine installation will need to be shown to satisfy the Section S reliability requirement of the AMC material to paragraph S 903 requiring a minimum of 25 hours of test flying.
- k. The completed aeroplane will need to be shown to meet the microlight noise requirements

Section S can be downloaded from the LAA website via the Engineering links page.