

DTA's new SPEED – Electric In-Flight Trim System

In 1990, DTA incorporated onto the Synairgie wing an inflight trim system using an electric jack which connected the keel to the hang bracket assembly.

This solution was abandoned by DTA because it required the fitting of powerful electric jacks capable of delivering significant force. This system was complicated and cumbersome, and though effective was very impractical. Additionally, it grossly complicated the wing attachment and detachment process.

Later, DTA decided to design a revolutionary new electric in-flight trim system – the SPEED system. The system was developed with a number of core criteria and constraints in mind.

S - Simple and Safe

P - Wing Performance & flight characteristics remained the same

E - Ease of installation

E - Ease of adaptation to all DTA Microlights

D - No extra Demands during the wing attachment and detachment process.

The new SPEED in-flight trim system is now a reality and being marketed by DTA.

DTA's remarkable system works by modifying the position of hang bracket assembly at the main hang point and is completely installed on the microlight's airframe.

The system power is supplied by the aircraft's electrical system; a simple toggle switch on the console makes it possible to 'trim' the wing's neutral position in flight. In the event of electric failure, the system automatically shifts the trim position to the slowest 'bar neutral' position. This system makes it possible to constantly utilise the wing's full speed range. This new SPEED system does not deform the wing's profile or the trailing edge. The wing maintains all its flight characteristics no matter which 'bar neutral' position, particular at low speed and high wing incidence. For example, with the Dynamic 15/430, the trim speed range 'bar neutral' is 25 km/h (15mph).

This DTA innovation is patented.

Available with all DTA microlights

Price of the kit : 648 €HT (775 €incl VAT)

Option SPEED first mount : 723 €HT (864,71 €incl VAT)

2006-08-17

