

2. a) Application of a tow rope winch in connection with a tow rope cutting device of the manufacturer Fa. TOST- Fluggereitebau; Installation according to dwg. 653C-11-S43 with outside cover.
- b) Modification of the rudder according to dwg. 653C-33-S4.1 change b
- c) Installation of the tow rope cutting mechanism (take care that a backlash with a minimum of 10 mm is given)
- d) Electrical wiring according to the wiring diagram of Fa. TOST
- e) Optional installation of the tail wheel according to dwg. 653B-11-S7E4 (only for central wheel or two wheel undercarriage)
- f) Attaching of two mirrors (one outside on the L/H canopy frame and one inside the canopy above the magnetic compass)
- g) Determination of Weight and balance (by weighing or calculation) with an entry in the flight manual of the motorglider and renewal of the data label in the cockpit with an additional part on airwork: „glidertowing“.
- h) Attaching of the necessary labels according the appendix „glidertowing“ to the flight manual dated 15.11.1999.
- i) Operating instructions for motorglider for glidertowing:
Supplement to motorglider flight manual SF 25 C only for Category Glidertowing dated 15.11.1999.
- j) Flight and operational instructions for the
Tow rope winch and tow rope cutting device of Fa. TOST

Weight and Balance:


Has to be checked at manufacturing inspection or at the modification.
(See point 1f und 2g of the above actions).

Remarks:

The modification has to be performed only by the manufacturer or by another aviation workshop, authorized by the manufacturer or SCHEIBE Flugzeugbau GmbH at an authorized and approved JAR 145 service station.
The modification has to be certified in the log book by an authorized inspector.

This service bulletin was originally written in German and approved by the German LBA. It is signed by Mr. H. Jung. The translation has been accomplished to best of our knowledge and judgement. In case of doubt, the German original is authoritative.

SCHEIBE Flugzeugbau GmbH
Dachau 12.01.2000
LBA I- EB 2

Musterprüfleitstelle

(Haftet.kom)

LBA- approved:

Subject: Aerotowing of Gliders and Motorgliders.

Affected: Motorglider of SCHEIBE Flugzeugbau GmbH of the following type:

SF 25 C:

1. only for serial- no. 44.111, 4356C, 44.160 and up together with modification 60 = 610 kg max. take off mass or modification 100 = 650 kg max. take off mass in conjunction with modification 121 [engine Rotax 912 A () and modification 155 [Constant-Speed Propeller MTV1A or MTV21A-C-F], serial- no. 44332, 44334 and up together with modification 100 = 650 kg max. take off mass in conjunction with modification 165 [engine ROTAX 912 S () and the propellers MT170R135-2A, MT175R130-2A, MTV1A/175-05 or MTV21A-C-F/(CF)175-05]
2. approved for all versions of undercarriage (central wheel, two wheel- or nose wheel undercarriage).

Urgency : None

Reason : On the supposition that the motorglider is equipped with a) engine ROTAX 912 A () [modif. 121] and the propellers MTV1A/175-05 or MTV21A-C-F/(CF)175-05 [modif. 155]

or
b) engine ROTAX 912 S () [modif. 165] and the propellers MT170R135-2A, MT175R130-2A, MTV1A/175-05 or MTV21A-C-F/(CF)175-05
the motorglider also can be operated under category „airwork“ for glidertowing, if the following actions have been performed.

- Actions:**
1. a) Application of a fixed towing device according to dwg. 653C-11-S44 with TOST nose launching hook E85/ E75/ E72
 - b) Modification of the rudder according to dwg. 653C-33-S4.1 change b
 - c) Installation of the launching hook release mechanism (take care that a backlash with a minimum of 10 mm is given)
 - d) Optional installation of the tail wheel according to drawing 653B-11-S7E4 (only for central wheel or two wheel undercarriage)
 - e) Attaching of two mirrors (one outside on L/H side of the canopy frame and one inside the canopy above the magnetic compass)
 - f) Determination of Weight and balance (by weighing or calculation) with an entry in the flight manual of the motorglider and renewal of the data label in the cockpit with an additional part on airwork: „glidertowing“.
 - g) Attaching of the necessary labels according the appendix „glidertowing“ to the flight manual dated 15.11.1999.
 - h) Operating instructions for motorglider for glidertowing:
Supplement to motorglider flight manual SF 25 C only for Category Glidertowing dated 15.11.1999.
 - i) Operation manual for the aerotow nose launching hook series TOST nose launching hook E 85/ E 75/ E 72 in the last valid edition.