

Subject: Powered sailplane model ASW 22 BE including all variants according to data sheet number 351 can be approved as sailplane ASW 22 B or BL (whatever variant is applicable) after the power-plant components have been removed or after installation of the power-plant components it can again be approved as powered sailplane ASW 22 BE or one of the model variants according to data sheet number 834 . The Serial Number remains the same in all cases.

Serial number applicability: All model ASW 22 BE, document number 834 including all variants as off Serial Number 22042 .

Compliance: None, optional on customer's request.

Reason:

1. In order to modify a powered sailplane ASW 22 BE or one of its variants into a sailplane ASW 22 B or BL, no power-plant must be installed.
2. In order to modify such an approved sailplane ASW 22 B or BL back into a powered sailplane ASW 22 BE or one of its variants the power-plant must be reinstalled into the existing fuselage prepared for power-plant installation.

Action: **At 1.** Approval/certification as a sailplane:

Construct the aircraft according to the approved drawing lists of the powered sailplane model ASW 22 BE or one of its variants and/or ASW 22 BL .

Depending on relevant model or variant the connection of the wing control circuits is done through a hole in the fuselage or through the engine bay doors. The latter have to be safetied by proper taping over.

On the inside of the engine bay doors the following placard has to be installed:

" The power-plant compartment must not be used as baggage compartment".

For the operation of the sailplane the relevant LBA-approved Flight- and Maintenance Manuals for the sailplane model variant ASW 22 B or BL, in the applicable issue have to be used.

The following Manual pages have to be exchanged against new ones including revision status: "TN 5 / 20.01.99 Juv" as a foot note:

Flight Manual: Pages 0.4, 0.5, 4.5, 4.7 and 7.11

Maintenance Manual: Pages 0.4, 0.5, 7.7, 9.4, 9.5 and 9.6.

The exchange of the pages has to be entered and certified into the chapter "record of revisions" of the manuals.

At 2. Modification into a powered sailplane by installation of a power-plant including all necessary components on the hull side:

A power-plant made according to the approved drawing list of the powered sailplane model ASW 22 BE or one of its variants is installed into the pre-fabricated engine bay. According to the drawings of the relevant drawing list the installation of the other components of the power-plant on the hull side is done.

The LBA-approved Flight and Maintenance Manuals of the ASW 22 BE or one of its approved variants have to be used for operation.

ASI markings as well as the cockpit placard sets according to the controlling Manuals must be changed and/or installed.

The fire proof identification plate of the sailplane has to be made invalid but remains in the aircraft. Next to it the new identification plate for the model „ASW 22 BE or one of its variants“ must be installed, showing the same serial number.

A registration as a powered sailplane has to be applied for.

In the case that this registration requires a new registration sign (as this is the case in Germany) the new registration numbers must be applied according to the relevant national requirements.

Material and drawings:

See chapter „Action“ above.

Weight (Mass) and Balance:

A weight and balance procedure is not necessary.

Notes:

Die action according to this TN have been demonstrated as an LBA-approved individual modification to S/N 22051. So the practicability as well as the necessary substantiation of airworthiness have been demonstrated as well.

The model variants quoted in chapter "Subject" include the variant ASW 22 BLE 50R, which is currently undergoing a "Supplementary Type Certification to data sheet number 834" procedure.

Structural action must only be performed by the manufacturer Alexander Schleicher GmbH u. Co., Segelflugzeugbau.

The modification has to be documented as "Major Modification" according to TN 5 of the ASW 22 BE.

The airworthiness of the modification of a powered sailplane into a (pure) sailplane according to data sheet number 351 or after additional installation of the hull components for the power-plant, the modification of a sailplane into a powered sailplane according to data sheet number 834 respectively, has to be documented by an inspector authorised for such work in the sailplane's log book, Flight and/or Maintenance Manual and the records of inspections.

Poppenhausen, Jan. 20, 1999

Alexander Schleicher
GmbH & Co.

by order

(Lutz-W. Juntow)

The German original of this Technical Note has been approved by the LBA under the date of March 26, 1999 (signed by H. Jung).

The translation into English has been done by best knowledge and judgement; in any case of doubt the German original is controlling.