

**Subject:** Change of the engine controls and installation of a starter

**Applicability:** **ASW 27-18 ("ASG 29")**; Type-Certificate EASA.A.220; from S/N 29501 onwards  
**ASW 27-18 E ("ASG 29 E")**; Type-Certificate EASA.A.220; from S/N 29501 onwards

**Classification:** Major Change

**Urgency:** Optional modification, see also *Notes*

**Reason:** Simplification of the engine operation and improvement of the engine start

The extending and starting as well as the stopping and retracting of the engine is simplified by the change of the engine controls. Furthermore the hitherto windmilling start of the engine is not necessary anymore because of the installation of a starter. The pilot's workload for engine operation as well as the height loss for starting and stopping the engine is reduced by this measures. This increases the safety for engine use significantly.

**Action:** Installation of the changed engine controls and of the starter corresponding to the documentation for the type "ASG 29 Es" (ASW 27-18E Change 07). Change of the engine according to TN 4603-16 of the SOLO 2350.  
For this change the changes of TN 4, TN 5, TN 6, TN 7 and TN 11 have to be considered and if applicable applied.

Exchange of the following manual pages:  
Flight Manual: Cover; 2.5; 2.6; 2.7; 2.11; 2.13; 3.6; 3.7; 3.8; 3.9; 4.12; 4.22; 4.23; 4.24; 4.29; 7.15; 7.18; 7.19; 7.20; 7.21; 7.23; 7.24; 7.25; 7.25a; 7.25b; 7.26; 7.27; 7.28  
Maintenance Manual: Cover; 1.3; 1.7; 2.40; 2.41; 2.42; 2.43; 2.44; 2.45; 2.46; 2.47; 2.48; 2.48a; 2.50; 2.51; 2.52; 2.53; 6.13; 7.9; 7.10; 8.5; 9.10 9.11; 9.12; 10.11; 10.12; 10.13; 10.15; 12.4; 12.8; 12.11

**Material and Drawings:** See *Action*

**Mass and Balance:** A new weighing has to be made.

**Notes:** This change is mainly intended for new gliders because of its high complexity. For existing ASW 27-18 already prepared for engine installation it is possible to do the change with some effort.

Change of the salesname to "ASG 29 Es"


The structural measures may only be accomplished by the manufacturer Alexander-Schleicher.

All actions are to be inspected by certifying staff according to Commission regulation (EC) 1321/2014 Part M / Part 66 in the scope of a modification, and have to be certified in the sailplane inspection documents and in the sailplane logbook. The change of the manual pages can be done by the operator of the sailplane himself and must be entered on the page „Record of Revisions“ and in the „List of effective pages“.

In countries outside the scope of EC 1321/2014 the corresponding national rules shall apply.

Poppenhausen, 03.09.2015

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This modification has been approved by the EASA at the date of the 02.09.2015 with the Minor Change Approval 10054631.