

**Subject:** Zig-Zag Tape on lower wing side replaces blow holes.

**Applicability:** **ASG 32**; Type-Certificate EASA.A.599; all variants, all serial numbers

**Classification:** Major change

**Urgency:** Optional

**Reason:** Product improvement

Comparative aerodynamic investigations and performance measurements with an ASG 32 have shown that especially in case of the ASG 32 the replacement of the blow hole system by Zig-Zag Tape improves the straight flight performance.

- Action:**
- 1.) The NACA inlets on flap (2 pieces for each side) and on aileron (3 pieces for each side) as well as all blow holes will be sealed according drawing 320.51.9020 sheet 1 (using of inserts and tape) or sheet 2 (structural measures). On new production gliders NACA inlets and blow holes are omitted.
  - 2.) To vent flaps and aileron, ventilation holes according drawing 320.31.9003 / 320.53.9002 are intended on all parts.
  - 3.) According Maintenance Instruction A Issue 4, Zig-Zag Tape will be affixed along the whole wing span. Existing Zig-Zag Tapes on the wingtip which are in conformity with the above instruction, can be maintained. The drawing 320.51.9004 is no longer valid.

**Material and Drawings:** See Action

**Mass and Balance:** The change in mass and C. of G. position of the aircraft is negligible. If tape is used (drawing 320.51.9020 sheet 1), the change in mass and tail-heavy moments of flaps and ailerons is also so minor, that no limits are exceeded. If structural measures are carried out (drawing 320.51.9020 sheet 2), the masses and tail-heavy moments have to be checked after painting.

**Notes:** Action 1.) according drawing 320.51.9020 sheet 1 (using of inserts and tape) as well as actions 2.) and 3.) may be done by a competent person.


The structural measures 1.) according drawing 320.51.9020 sheet 2 must only be accomplished by the manufacturer Alexander Schleicher or by a maintenance organisation according to European Union Commission Regulation (EC) 1321/2014 Part M / Section A / Subpart F. All actions are to be inspected by certifying staff according to European Union 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 log-book.

Replacing Maintenance Instruction A to Maintenance Instruction A Issue 4 in the Maintenance Manual may be done by the Pilot-owner pursuant to M.A.801(b)3.

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

Poppenhausen, 04.09.2018

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