Technical Note No. 3056

Subject	:	15m neo Winglets LS3
Effectivity	type:	LS Sailplanes
	variants:	LS3 and LS3-a
Accomplishment	:	Optional as a retrofit
Reason	:	New, aerodynamically optimized winglets, called neo winglets, were developed for the LS3. During development, it was decided to achieve a higher safety margin against flutter, so VNE was reduced to 260 km/h and maximum take-off weight to 450 kg. The water ballast was limited to 100 liters.
Instructions	:	1. Manual revision: Exchange the following manual pages against new pages issued December 2025, marked with TN 3056. Respect the marked changes. Flight Manual LS3: 0.5, 0.6, 1.1 – 1.4, 1.6, 1.6a, 1.8, 2.2, 3.1 – 3.3, 3.6, 3.8, 3.10 Flight Manual LS3-a: 0.5, 0.6, 1.1, 1.2, 1.4, 1.5, 1.7, 1.8, 1.10, 2.2, 3.1 – 3.3, 3.6, 3.8, 3.10 Maintenance Manual LS3: 0-1, 0-3, 0-4, 0-6, 1-1, 1-2, 1-6, 3-1, 3-2, 3-4, 4-1, 4-3, 4-4, 5-3, 6-1, 6-3, 6-5, 6-9, 8-1, 10-1 2. Installation of wing parting and neo winglets according to installation instructions TM3056 FE-33-01. 3. Modification of water ballast system according to working instructions TM3056 FE-33-02. 4. Change of the ASI markings according to maintenance manual, section 8.1. 5. Perform a weight and balance calculation and recalculate the min. and max. cockpit loading, according to maintenance manual, section 2.2. These values have to be entered in the following locations: • Weight report • Flight manual, page 1.5 • Cockpit, below the instrument panel cover • Cockpit data placard 6. Exchange the cockpit data placard, see maintenance manual, section 6.6 7. Check, if the control surface sealings are installed according to maintenance manual, section 4.1. If this is not the case the sealings must be renewed.
Material	:	Installation instructions TM3056 FE-33-01 including the material mentioned therein (article no. **10000580**) Working instructions TM3056 FE-33-02 including the material mentioned therein (article no. **10000588** for volume reduction of existing water ballast bags or article no. **10000589** for retrofit with smaller ballast bags) Cockpit data placard LS3 or LS3-a according to TN3056 Manual pages, see instruction 1
Weight and balance	:	New weight and balance has to be performed

The technical content of this document is approved under the authority of DOA Ref. EASA.21J.780.

Remarks : Manual pages and working instructions will be shipped with the material.

Use only genuine spare parts.
Parts (except for standard parts) and material kits shall only be installed if an EASA Form 1 is existent for these products.
The DG invoice is valid as “Certificate of conformity” for standard parts.

Instruction no. 1 may be executed by the pilot/owner himself.
The actions are to be inspected and released to service by the pilot/owner (according to MLA. 801 (b) 3. for EASA registered aircraft).

Instructions no. 2, up to 7:
1. EASA registered aircraft: The pilot/owner is not allowed to release the actions. The actions have to be released to service according to ML.A.801 (b) 1.
2. Non-EASA registered aircraft: The actions have to be performed in a licensed workshop. All instructions are to be inspected and entered in the aircraft logs by a licensed inspector.

If you have any questions concerning this TN, please contact DG Aviation:
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Bruchsal,
date: 06. Feb. 2026

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Modifications have been approved by EASA date 06 Mar. 2026 under approval no. 10089346.

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