



**Technical Note  
No. 7018**

- Subject : neo-Winglets at the wing tips
- Effectivity type: LS sailplanes  
variants: variants LS7, LS7-WL, all serial numbers
- Accomplishment : Optional
- Reason : To improve flight performance and handling, removable neo-Winglets have been designed.
- Instructions : 1. **Only LS7:** installation of the wing parting according to installation instructions TM7018 FE-33-01-01a steps 4 up to 10.  
2. **Only LS7, with water ballast bags of 85 litres (drawing no. 4F5-35) are installed:**  
Reduction of the volume of the bags to 50litres, see drawing BF-92.  
3. Installation of the winglets according to installation instructions TM7018 FE-33-01-01b.  
4. Exchange the following manual pages against new pages issued February 2019, marked with TN7018. Respect the changes marked in the right hand margin.  
Flight manual LS7 pages: 0-1, 0-2, 4-2a  
Flight manual LS7-WL pages: 0-1, 0-2, 4-2  
5. Determine weight and balance of the sailplane with and without neo-Winglets. Recalculate the min. and max. cockpit loading, according to MM section 2.2. The values with neo-Winglets have to be entered in the following locations:
  - Weighing Report, FM section 6.2
  - Cockpit data placard
  - Below the instrument panel cover**Note:** The max. mass of the non-lifting parts and the max. flight mass remain unchanged.
- Material : Working instructions TM7018 FE-33-01-01b including the mentioned material Manual pages, see above
- Weight and balance : A new weight and balance has to be performed
- Remarks : Instructions no. 1, 2,3 and 5:
  1. EASA countries: The actions have to be performed according to the regulations of the Part ML and released according to ML.A.801.
  2. Non EASA countries: 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.Instruction no. 4 may be executed by the pilot/owner himself.  
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.  
If you have any questions concerning this TN please contact DG Flugzeugbau: Tel.: 0049 7251 3020-0, e-mail: dg@dg-flugzeugbau.de
- Bruchsal, date:  
15 Jun. 2021



Modifications have been approved by EASA as a major change, date October 11, 2021 under Approval No. 10077441.