

- Subject : Retrofit of a 5" landing gear
- Effectivity Type: LS8  
Variants: LS8, LS8-a, LS8-b and LS8-18; all serial numbers.  
LS8-t; serial numbers up to L8499.
- Accomplishment : Optional, standard equipment from LS8 serial number L8500 on.
- Reason : For increased comfort, breaking efficiency and safety, the landing gear with a 4" wheel of the elder LS8 variants may be replaced by a landing gear with a 5" wheel.
- Instructions : 1. Exchange manual pages against new pages issued September 2011, marked with TN8020.  
**LS8, LS8-a and LS8-18:**  
Flight manuals LS8 exchange pages: 0-1, 0-3, 4-3 and 4-9.  
Flight manuals LS8-a and LS8-18: exchange pages: 0-2, 0-3, 4-3 and 4-9.  
Maintenance manual: Use maintenance manual LS8 issued December 2009 exchange pages: 0-1, 0-3, 0-5, 1-11, 7-1, 7-2, 7-4, 8-3 and 12-1.  
**LS8-b:**  
With the installation of a 5" landing gear The LS8-b will be converted to variant LS8-sb. The existing manuals have to be exchanged against LS8-sb manuals which contain only the data for the 5" wheel. The conversion of the sailplane LS8-b to sailplane LS8-sb has to be done according to Technical Note TN 8014.  
**LS8-t:**  
No update of the manuals is required as the LS8-t manuals contain the data for 4" wheel as well as for 5" wheel.
2. The landing gear box needs to be modified and the 5" landing gear has to be installed. The back rest adjusting mechanism has to be installed a little higher for not interfering with the modified LG box.
- Material : 1. Manual pages see instruction no. 1 for LS8, LS8-a and LS8-18.  
2. TN8014 for variant LS8-b  
3. "Zeichnung und Materialliste zur TM8020" (Drawing and parts lists for TN8020): This list contains all parts and materials (not including standard parts) and the changes to the drawing lists
- Weight and balance : After installation of the 5" landing gear a new weight and balance determination is necessary.
- Remarks : Instructions can only be performed by DG Flugzeugbau GmbH and are to be released according to M.A.801.

As the initial maintenance manuals for LS8, LS8-a and LS8-18 will no longer be updated it is mandatory to use the maintenance manual LS8 issued December 2009 to maintain the gliders LS8, LS8-a and LS8-18 after this TN has been performed.

Bruchsal, date:  
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Modifications approved by EASA date  
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