

**Subject:** Modification of the landing gear

**Applicability:** ASW 27 Type certificate 389, all S/N

**Urgency:** None, optional on customers request.  
for new parts or replacement, only parts with new revision state

**Classification:** Minor modification

**Reason:** Increasing the span between winch tow rope and wheel, while the position of the wheel ground is not modified.

**Action:** The spring strut (PUR) for landing gear, complete, version C, drawing no. 99.000.2052 replaces previous versions.  
The short link for landing gear, version C, drawing no. 99.000.3476 replaces previous versions.  
This measure can reduce the travel of the landing gear handle from extended to retracted. In this case the slot in the cockpit must be shortened (e.g. with a file). Preferably, the swivel head at the landing gear handle is adjusted in a way, that the forward position of the handle stays and its backward travel is reduced.


**Material and Drawings:** See Action.

**Mass and C.G.:** Mass differences are so small, that a new weight and C.G. determination is not necessary.

**Notes:** Change the left and right spring strut only together. The same applies for the short links.  
Change the spring strut and the short link only together.  
The installed short links are stamped with an 'E' at the lower end.  
Short links according to this TN are marked with an 'A' below.  
On ground, the position of the wheel stays about the same. Nevertheless, if the plane is weighed again, the lever arms certainly must be redetermined (such as every weighing).  
The structural measures may be accomplished by the manufacturer Alexander Schleicher GmbH & Co. or by a technical aviation repair station holding an appropriate license.  
The accomplishment of all actions must be examined and certified in the aircraft's inspection documents by a licensed aviation inspector.

Poppenhausen, 18 October 2006

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i.A.   
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The translation into English has been done by best knowledge and judgement; in any case of doubt the German original is controlling.