DG Aviation GmbH
76646 Bruchsal

Service Info

No. **0-1/92** Revision 1

Subject : Exchange of the spherical bearings SSC 6 in the bell cranks of the parallelogram control column

Effectivity : All DG single seaters

Accomplishment : In case of excessive free play in the parallelogram control column

Instructions :

1. Disassemble the control stick.
2. To pull out the bearing SSC 6 the securing ring St 5a/6 must be removed. Therefore weaken the ring by grinding or filing so that it can be removed. **Be careful not to damage the bell crank St 4.**
3. To remove the bearing SSC 6 install the puller assembly as shown in drawing W 45. Pull out the bearing by tightening the nut W 45/3.
4. To press in the new bearing use the puller assembly in the opposite direction. Check the bearing for easy movement. Stiff movement can be eliminated by introducing a 6 mm bolt into the bearing and moving the ball of the bearing in all directions.
5. Install the new securing ring St 5a/6 with the tool W 46 as shown on drawing W 46 on the upper left hand side. There should be no free play between bush and bearing.
6. Secure the ring St 5a/6 with the tool W 46 as shown on drawing W 46 on the upper right hand side.
7. Reinstall the control stick. Use new self-locking nuts M6 DIN 985-8.8zn. Check for free play.

Warning: Assemble the bolt for the aileron control pushrod from the below (nut on top), otherwise there is the risk that the control column may be blocked.

Caution: Take care that the flats at both sides of the bushes are placed sidewards (for the lower mountings of the control stick sidewards and on top), see sketch on the next page.

Note: In case TN DG-SS-10 resp. TN 800/52 hasn´t been performed so far, it must be performed during re-installation

Material :
2 spherical bearings SSC 6
2 securing rings St 5a/6
3 self-locking nuts M6 DIN 985-8.8zn
drawings W 45 and W 46
Tools: 1 puller assembly W 45 /1, 2, 3
1 press tool W 46
2 washers 6.4 DIN 125 St zn
1 bolt M6 x 90 DIN 933-12.9

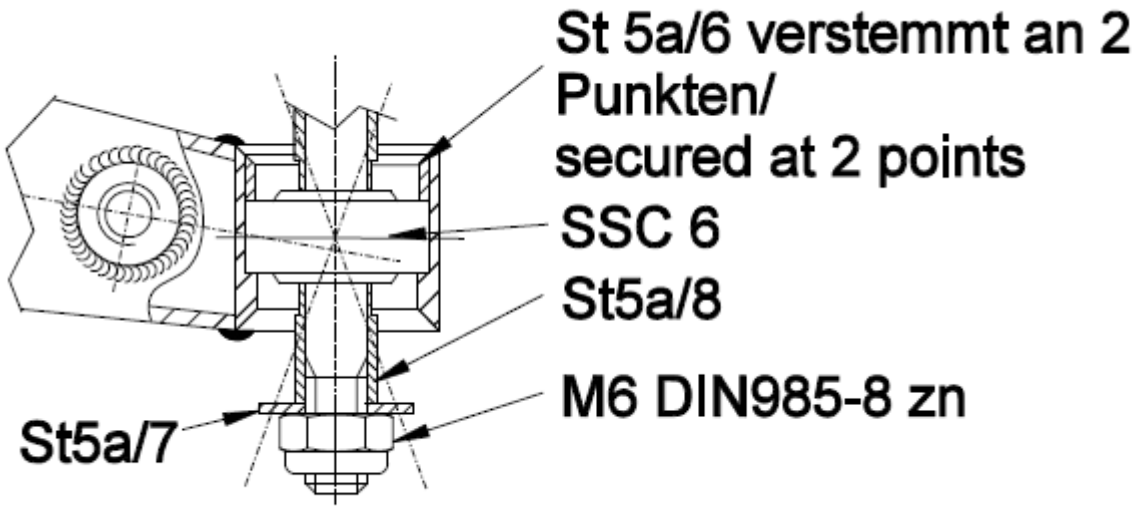
Remarks :

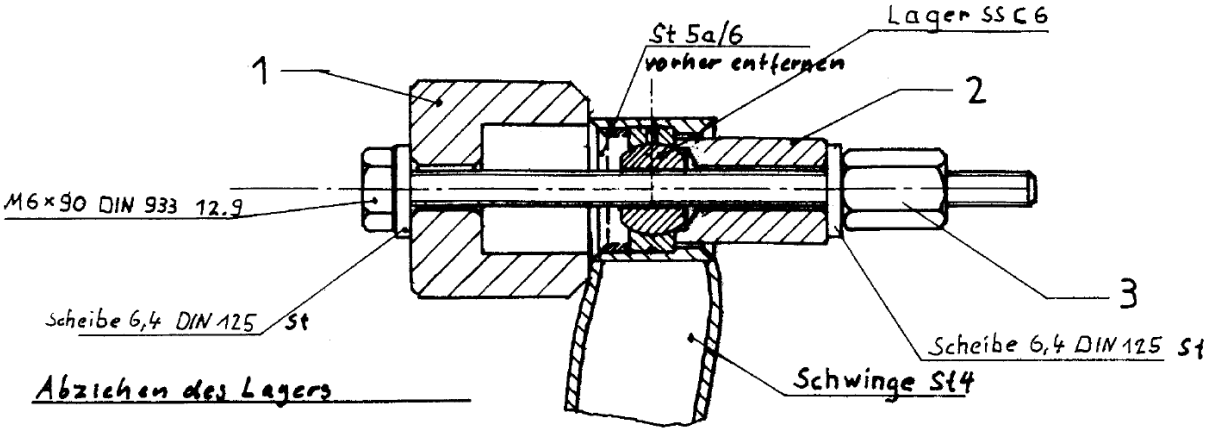
1. EASA registered aircraft: The pilot/owner is not allowed to perform the actions. The actions have to be performed and released according to ML.A.801 (b) 1.
2. Non EASA registered aircraft: The actions have to be performed in a licensed workshop. All instructions are to be inspected and entered in the aircraft logs by a licensed inspector.

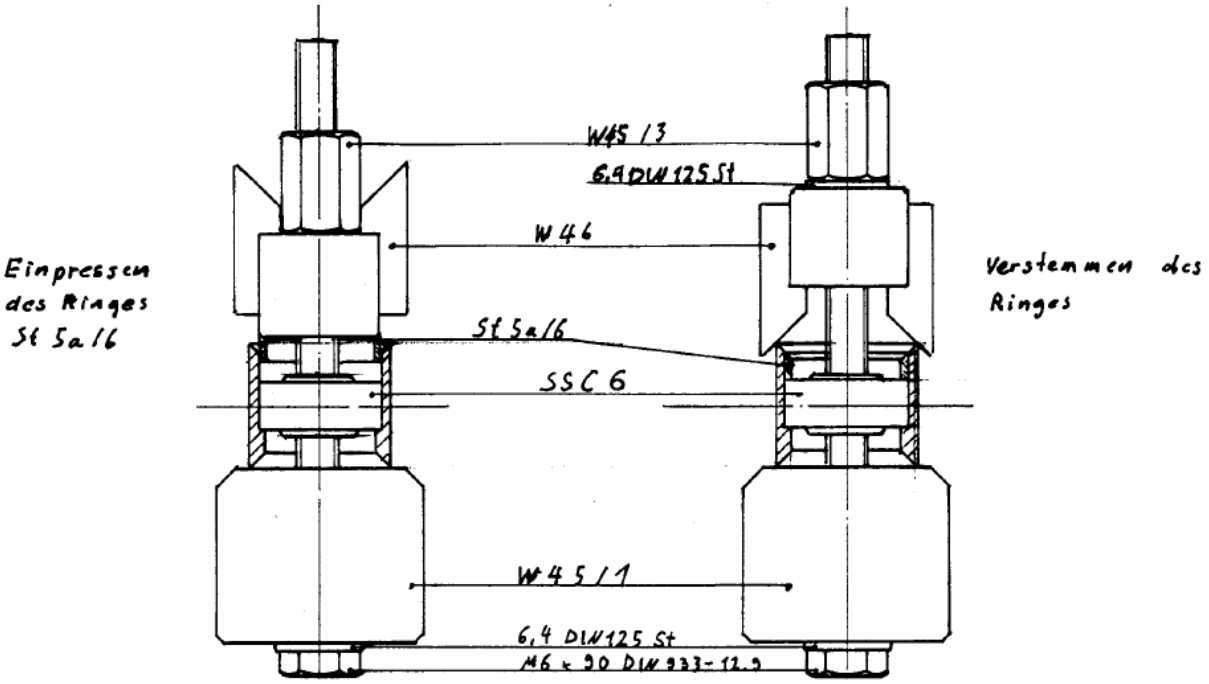
Bruchsal, date: 06.04.1992
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St 5a/6 verstemmt an 2 Punkten/
secured at 2 points
SSC 6
St5a/8
M6 DIN985-8 zn
St5a/7


St 5a/6
vorher entfernen
Lager SSC6
1
2
3
M6×90 DIN 933 12.9
Scheibe 6,4 DIN 125 St
Scheibe 6,4 DIN 125 St
Schwinge St4
Abziehen des Lagers


W45/3
6,4 DIN 125 St
W46
St 5a/6
SSC 6
W45/1
6,4 DIN 125 St
M6 × 90 DIN 933-12.9
Einpressen des Ringes St 5a/6
Verstemmen des Ringes