

Service Directive

Check of Strut Bearings

MANDATORY

Symbols:

Please pay attention to the following symbols throughout this document emphasizing particular information.

- ▲ **WARNING:** Identifies an instruction, which if not followed, may cause serious injury or even death.
- **CAUTION:** Denotes an instruction which if not followed, may severely damage the aircraft or could lead to suspension of warranty.
- ◆ **NOTE:** Information for better handling.

1. Allgemein

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Date of effect: immediately

Limit to accomplish the task Prior to next takeoff

Release Number: SD-002-strut-bearings

Superseded notice: N/A

Models affected: GX

S/N affected: 255 ... 262 including

Reason: Uncorrect fitment of ball bearing in struts attachments

Subject: disassembly of ball bearings, reassembly with means of securing

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2. Material information

Tools needed: standard tools

Parts needed: Loctite 641, safety pin

3. Accomplishment

Level of maintenance: medium

Certification required: A&P Mechanic or LSA Repairman maintenance

▲ **WARNING:** Proceed this work only in a non-smoking area.
Switch off ignition and secure engine against unintentional operation.
Do not execute this task alone, always work with a partner.

Instructions:

1. Put a solid rigg underneath the wingtip to prevent the wing from falling down.
2. Disassemble wing strut.
3. Take out upper ball bearing by knocking carefully with a rubber hammer on the wing bolt. Watch for correct direction. See figure 1 for further information.
4. Glue in bearing with loctite 641 and insert it back into its attachment. Be sure to slide bearing in until stop. Use careful hammer knocks to ensure complete insertion. See figure 2, 3 and 4. Wipe away squeezed out Loctite.
5. Deform surrounding material by means of a center punch (figure 5). Support strut attachment with a rigid piece of wood (figure 6). Apply at least four dots of deformation (figure 7).
6. Repeat Steps 3 to 5 with lower strut attachment, see result in figure 8.
7. Secure crown nut with safety pin.

■ **CAUTION:** If the ball bearing cannot be driven out easily out of its attachment do not force it. In this case only secure it by punching four or more dots of deformation as shown in figure 7 and 8.

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figure 1 - taking out upper ball bearing



figure 2 - using Locktite 641 for glueing

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figure 3 - inserting bearing



figure 4 - sliding in until stop

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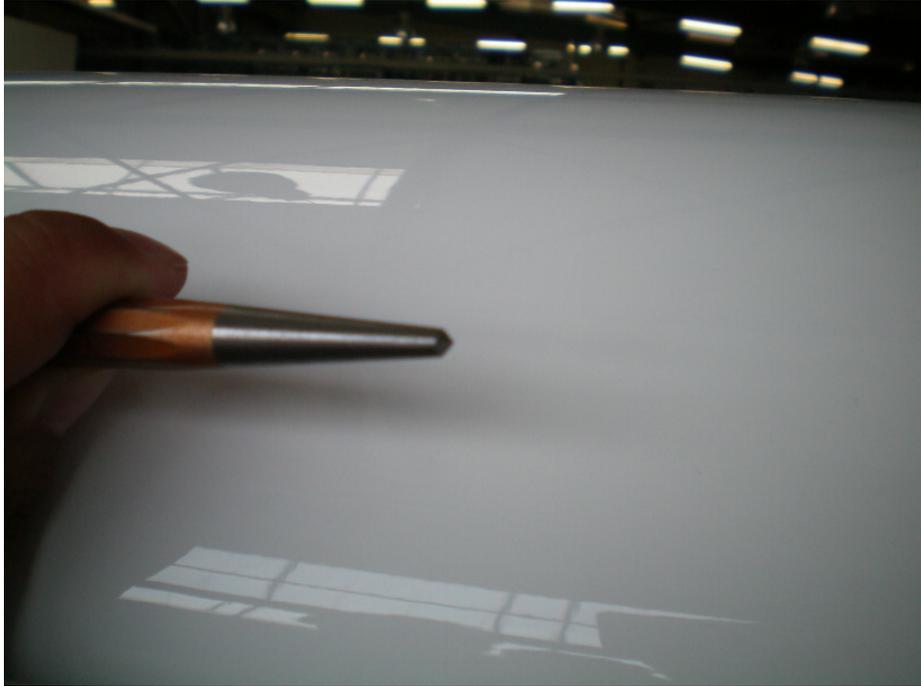


figure 5 - center punch



figure 6 - deformation of surrounding material

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figure 7 - four or more deformation dots



figure 8 - secured lower attachment