

- SUBJECT : Securing wire of the front horizontal tail-
plane suspension
- EFFECTIVITY : DG-100G, DG-100G ELAN, DG-101 G ELAN, DG-200
all models, DG-300 all models, DG-400
- ACCOMPLISHMENT : . / .
- REASON : The securing wire may be damaged easily if
the attachment screw should be turned with
the wire in its locking position.
When the wire is damaged for the first time,
it can be used once more, see instruction 1.
When the wire is damaged a second time, it
must be replaced, see instruction 2.
- INSTRUCTIONS 1 + 2 : Push the attachment screw down and fix it
with a washer and a M 10 nut in the position
as attached to the fin.
The slot in the screw must point to the hole
where the locking wire emerges.
Snip off the damaged end of the wire.
- INSTRUCTION 1 : Initial damage:
Pull out the securing wire as far as
possible so that its end is placed on top of
the stabilizer.
Bend 10 mm of the end of the wire in an up-
ward direction. Push back the wire to its
initial position. Check for sufficient
spring force. Remove the M 10 nut.
- INSTRUCTION 2 : Subsequent damage:
Please refer to the enclosed drawing 2 L 8.
- a) Remove the elevator. Therefore tear off
the tape and remove the selflocking nut
M 5 (8 mm wrench) at the left inboard
hinge.
 - b) The securing wire is screwed to the
stabilizer shear web, see drawing 2 L 8.
 - c) Remove this screw and pull out the
securing wire.
 - d) Prepare a new securing wire 2 L 9/3
according to the enclosed drawing or
order it from Glaser-Dirks.
Compare the wire with the old one and
adjust if necessary.
Note: Don't make the bend at the end
of the wire.
 - e) Enlarge the hole (A) for the wire in the
shear web to 6 mm diameter.
 - f) Insert the new wire from the rear into
the hole A and try to insert the end of
the wire into the hole (B).
With the DG-300 Acro and the DG-400 this
work is complicated by the shear web C,
so this work may be a trial of patience.

- g) If you have been lucky enough to finish this work successfully fix the wire to the shear web with the screw.
- h) Further work see instruction 1.
- i) Reassemble and tape the elevator, use a new selflocking nut M 5 DIN 985-8.8zn.

MATERIAL

- : Instruction 1: none
- Instruction 2: a) securing wire 2 L 9/3 or stainless steel pianowire material 1.4310 diameter 1.5 mm appr. 300 mm long.
- b) selflocking nut M 5 DIN 985-8.8zn.
- c) Tesaband 651 tape, white, 25 mm wide.

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