DG Flugzeugbau GmbH
76646 Bruchsal

Service Info
No. 56/04

Subject : Airbrakes

Effectivity : DG-500 ELAN Trainer, DG-500 ELAN Orion

Accomplishment :
1. Immediately
2. With every annual inspection

Reason : During inverted flight the airbrakes came out by themselves on a DG-500 ELAN Orion. The pushrods in the wings were damaged and operating the airbrakes was no longer possible.
When investigating this event, we noticed that the annual inspection program of the airbrakes as required in the MM had not been executed for years. Not checking and adjusting the airbrakes will result in insufficient spring force of the airbrake caps and enables the oncoming air to suck out the airbrakes.

Instructions :
1. Check if the annual inspection program of the airbrakes has always been executed.
   If this is not the case, execute this inspection as soon as possible.
   Don't perform any aerobatics in the meantime.
2. Make sure that the annual inspection program of the airbrakes will be executed annually in the future.

Bruchsal, date:
November 18. 2004

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