DG Flugzeugbau GmbH
Postfach 4120 76625 Bruchsal
Tel. 07257/890

Technical Note
No. 873/9

Subject : Installation of Winglets to the 18 m wingtips

Effectivity : optional, models DG-800A and DG-800LA

Accomplishment : -,-

Reason : Removable Winglets may be installed to the 18 m wingtips. In this case the moments of the flaperons must be determined with a new method and corrected if necessary.

Instructions :
1. Installation of Winglets to the 18 m wingtips according to working instructions 8FA53 pages 1 - 3 and drawings 8F50 and 53 up to 56.
2. Flight manual: Exchange pages 0.1 and 0.5 and exchange page 9.1 against pages 9.1 – 9.3, issued July 1997.
3. Maintenance manual: Exchange pages 1, 2, 4, 16 issued July 1997 and insert page 81 issued July 1997 and drawing 8V96.
4. Determine the flaperon moments according to pages 16 and 81 of the maintenance manual. If the moments exceed the max. value, the moments must be reduced by removing paint from the flaperons, jdeally from the lower surfaces.
5. Execute an inspection as a major modification.
   This inspection consists of the following items:
   a) Inspect instructions 1-4.
   b) Write the inspection report with the following remark:
      Inspection after installation of Winglets to 18m wingtips according to DG technical note 873/9

Material : Manual pages Flight manual 0.1, 0.5, 9.1 – 9.3 issued July 1997
maintenance manual , 2, 4, 16 and 81 issued July 1997, drawing 8V96
1 retrofit kit Winglets see materialist on working instruction 8FA53 page 2
working instructions 8FA53 pages 1 - 3
drawings 8F50, 53 - 56

Weight and balance : influence negligible

Remarks : Instructions No. 1, 4 and 5 are to be executed by the manufacturer or by a licensed workshop and to be inspected and entered in the aircraft logs by a licensed inspector.

Bruchsal, date: 22.01.98

Author:
Dipl. Ing. Wilhelm Dirks

LBA – approved:

The German original of this TN has been approved by the LBA under the date of and is signed by Mr. Fendt. The translation into English has been done by best knowledge and judgement.

Type certification inspector:
Dipl. Ing. S. Lehner