

- Subject : Special equipment for aerobatics
- Effectivity : DG-1000 variant DG-1000S
- Accomplishment : Optionally
- Reason : Special equipment for aerobatics was asked for by customers:  
1. Installation for smoke grenades at the 18 m wing tips  
2. Installation of 5 point harnesses  
3. Installation of a G-logger
- Instructions : 1. Installation for smoke grenades at the 18 m wing tips according to wiring plan 10E6 issue b and drawing 10F41. Installation of switches according to drawing 10R127 issue a and working instruction No. 1 for TN1000/20.  
2. Possibility to install 5 point harnesses according to drawing 10R107.  
3. Installation of a G-logger (device to record g-loads) according to installation plan 10EP41.  
4. Exchange the following manual pages against new pages marked with TN1000/20. Respect the changes marked in the right hand margin.  
a) Flight manual: 9.1, 9.2, add page 9.14 issued March 2011  
0.2, 0.5, add page 9.15 issued June 2012  
b) Maintenance manual: 0.4, 0.10, issued March 2011,  
0.2, 0.6, add Encl. 2 (1 page) issued June 2012  
installation plan 10EP41 and wiring plan 10E6 issue b.
- Material : 1 Set of 18 m wing tips modified for endplates with smoke grenades according to drawing 10F41  
2 GFRP mounting plates for smoke grenades 10F47/1 and /2 assembled each with 2 Aluminium shields 10F48/1, 2 mounting brackets 10F48/2 and 2 10F48/3 and nose cone 10F49.  
1 Wiring set with connectors and momentary switches.  
2 Guards for switches 60-12-0  
Working instruction No. 1 for TN1000/20  
2 4-point harnesses with additional crotch strap Schroth 4-02-2804  
1 G-logger  
1 Manual for DG-GL G-logger  
1 GFRP Plate 10 mm thick, 120 mm long, 80 mm wide scarfed to 40 mm see drawing 10R107, for rear seat 5<sup>th</sup> belt attachment  
1 bulkhead 10Ru13 for front seat 5<sup>th</sup> belt attachment  
Drawings: 10E6 issue b, 10F41, 10R107, 10R127 issue a, 10EP41  
Manual pages see instruction 4
- Weight and balance : New weight and balance necessary
- Remarks : Instruction No. 4 may be executed by the pilot/owner himself and is to be inspected and entered in the aircraft logs by a licensed inspector at latest with the next annual inspection.
- Instructions No. 1-3:  
A Installation during production at DG Flugzeugbau  
B Retrofit
1. EASA countries: The actions have to be performed in a Part -145 approved organisation, or in a Part M, Subpart F approved organisation according to the regulations of the Part M and released according to M.A.801.
  2. Non EASA countries: 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.

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Author: W. Dirks

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*Wilhelm Dirks*