

## Flight manual DG-1000T

### 0.1 Record of revisions continued

Rev. No.	Affected Pages/ section	Description	Issue Date	EASA Approval Date	Inserted Date Signature
7	0.3, 0.6, 0.7, 9.1-9.12	Electrically operated main landing gear TN1000/14	Nov. 2008	28. January 2009	
8	0.6, 9.1, 9.2, 9.13	Special equipment for very small pilots TN1000/17	May 2010	20. July 2010	
9	0.2 – 0.6, 1.4, 2.6, 2.11, 2.12, 4.3, 4.5 - 4.7, 4.9, 4.10, 4.13, 4.14, 4.29, 6.3, 6.5, 6.6, 6.10, 6.11, 7.2, 7.9, 7.12, 7.18, 7.21, 7.23, 7.24, 9.7, 9.13	Manual revision TN1000/18	Febr. 2011	13.05.2011	
10	0.1 ÷ 0.6, 1.5, 2.9, 2.11, 4.6, 4.8, 4.22, 5.4, 6.4, 6.7, 7.15, 7.22, 7.24, 9.8	Manual revision TN1000/24, Fuel cock warning TNDG-G-09 added on page 7.15	October 2014	11.11.2014	
11	0.2, 0.4, 4.14	Propeller adapter with elastomeric damper element TN 1000/26	August 2015	9.11.2015	
12	0.2, 0.3, 0.4, 1.4, 1.5, 1.6, 2.8, 2.10, 2.15, 4.3, 4.6, 4.17, 4.25, 5.4, 5.5	TN 1000/25 18m winglets 17,2 m end plates	February 2016	July 4 <sup>th</sup> , 2016	
13	0.0, 0.2 – 0.5, 4.9, 4.12, 6.6, 7.2, 7.11	Manual revision TN1000/32	July 2017	10.08.2017	
14	0.2, 0.5, 7.18	TN1000/34 small nose wheel	October 2017	approval under the authority of DOA Ref. EASA.21J.530 12.09.2017	
15	0.2 - 0.4, 2.6, 4.8	TN1000/42 Canopy lock, rear locking rods	July 2019	17.09.2019	

## Flight manual DG-1000T

### 0.2 List of effective pages

Section	page	issued	replaced	replaced	replaced	replaced
0	0.0	July 2005	July 2017			
	0.1	see manual amendments				
	0.2		"			
	0.3		"			
	0.4		"			
	0.5		"			
	0.6		"			
	0.7	July 2005				
1	1.1	"				
	1.2	"				
	1.3	"				
	1.4	"	Febr. 2011	Febr. 2016		
	1.5	"	Jan. 2007	Oct. 2014	Febr. 2016	
	1.6	"	Jan. 2007	Febr. 2016		
2	App. 2.1	July 2005				
	" 2.2	"				
	" 2.3	"				
	" 2.4	"				
	" 2.5	"	Jan. 2007			
	" 2.6	"	Febr. 2011	July 2019		
	" 2.7	"				
	" 2.8	"	Febr. 2016			
	" 2.9	"	Oct. 2014			
	" 2.10	"	Febr. 2016			
	" 2.11	"	Jan. 2007	May 2008	Febr. 2011	Oct. 2014
	" 2.12	"	Jan. 2007	Oct. 07	Febr. 2011	
	2.13					
	2.14		Jan. 2007			
	2.15		Jan. 2007	Febr. 2016		
3	" 3.1	July 2005				
	" 3.2	"				
	" 3.3	"	Jan. 2006			
	" 3.4	"				
	" 3.5	"				
	" 3.6	"				
	" 3.7	"				
	" 3.8	"				

## Flight manual DG-1000T

### 0.2 List of effective pages (cont.)

Section	page	issued	replaced	replaced	replaced	replaced
4	App.	4.1	July 2005			
	"	4.2	"			
	"	4.3	"	Febr. 2011	Febr. 2016	
	"	4.4	"			
	"	4.5	"	Febr. 2011		
	"	4.6	"	Oct. 07	Febr. 2011	Oct. 2014
	"	4.7	"	Febr. 2011		Febr. 2016
	"	4.8	"	Oct. 2014	July 2019	
	"	4.9	"	Febr. 2008	Febr. 2011	July 2017
	"	4.10	"	Febr. 2011		
	"	4.11	"			
	"	4.12	"	Oct. 2007	July 2017	
	"	4.13	"	Jan. 2007	Oct. 07	Febr. 2011
	"	4.14	"	Febr. 2011	August 15	
	"	4.15	"			
	"	4.16	"	Jan. 2007		
	"	4.17	"	Jan. 2007	Febr. 08	Febr. 2016
	"	4.18	"	Jan. 2007		
	"	4.19	"			
	"	4.20	"			
	"	4.21	"	Jan. 07		
	"	4.22	"	Oct. 2014		
	"	4.23	"			
	"	4.24	"	Jan. 2007		
	"	4.25	"	Jan. 2007	Febr. 2016	
	"	4.26	"			
	"	4.27	"			
	"	4.28	"			
	"	4.29	"	Febr. 2011		
5	"	5.1	July 2005			
	"	5.2	"	Febr. 2011		
	"	5.3	"	Jan. 2007		
	"	5.4	"	Oct. 2014	Febr. 2016	
	App.	5.5	"	Jan. 2007	Febr. 2016	
		5.6	"	Jan. 2007		
		5.7	"	Jan. 2007		
		5.8	"	Jan. 2007		
		5.9	"			

## Flight manual DG-1000T

### Cylinderhead temperature indicator (CHT):

On right hand upper side of the DEI-NT display, indication digital with 3 digits, limitation data printed above display:

red 270°C

When exceeding this temperature a full screen warning “CHT overTemp” appears, when this warning has been confirmed (by pushing the selector knob at the right hand side of the display) the CHT display will keep blinking as long as the CHT is above the max. CHT.

### Fuel quantity indicator:

On left hand upper side of the DEI-NT display, indication digital with 2 digits. Limitation data for the non useable amount of fuel printed above the display:

red 0.5 l

When a fuel quantity of approx. 4 Litres is reached a full screen warning “Low Fuel” appears, when this warning has been confirmed (by pushing the selector knob at the right hand side of the display) “R” is displayed and blinking.

## 2.6 Fuel

Fuel capacity:

Fuselage tank:

total:	22 l	(5.81 US gal.)
Non useable amount of fuel:	0.5 l	(0.15 US gal.)
Useable amount of fuel:	21,5 l	(5.68 US gal)

Approved fuel grades:

Car super gasoline min. 95 octane (ROZ) (RON) leaded or unleaded,  
max. 5% Ethanol

or: AVGAS 100 LL (only if super gasoline is not available)

or: mix 50% AVGAS 100 LL and 50% Car super gasoline unleaded min. 92 octane (ROZ) (RON)

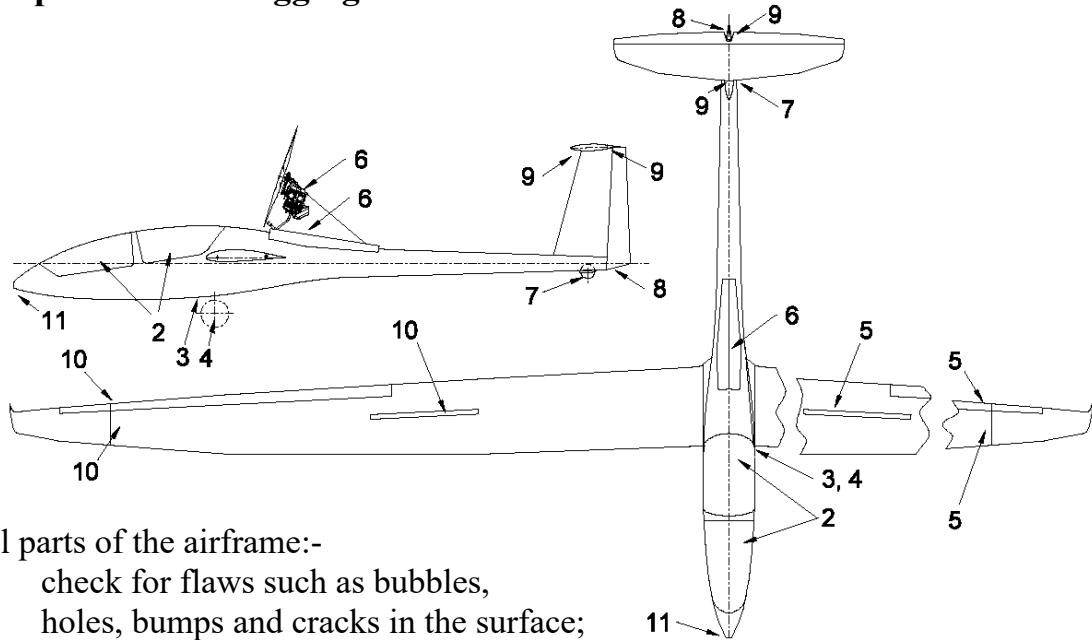
mixed with self mixing Super quality two stroke oil - specification TSC 3 or API TC or JASO FC or higher quality. Mixing ratio 1:50.

**Note:** 1:50 was tested and approved for the DG-1000T in contrary to the data in the engine manual.

**Note:** The SOLO company recommends the following oil types: CASTROL Actevo 2T or CASTROL Super Two stroke.

## Flight manual DG-1000T

### B Inspection after rigging - Walk around the aircraft



1. All parts of the airframe:-
  - a) check for flaws such as bubbles, holes, bumps and cracks in the surface;
  - b) check leading and trailing edges of the wings and control surfaces for cracks;
2. Cockpit area:-
  - a) check the canopy locking mechanism;
  - b) check the canopy emergency release see section 7.16 (not each day, but min. every 3 month);
  - c) check the main pin securing;
  - d) check all controls for wear and function, incl. positive control check;
  - e) check if the handle of the pedal adjustment cable will be pulled to the front so that it can't hook into the trim release lever at the control stick, even with pedals in a rear position;
  - f) check the tow release system for wear and function incl. cable release check;
  - g) check for foreign objects;
  - h) check the instrumentation for wear and function;
  - i) Switch on main switch, check the radio and other parts of the electric system (fuses!) for function;
  - j) Check at front and rear canopy if the end of the rear locking rod doesn't protrude over the canopy frame contour with opening mechanism in fully open position.  
If the rod protrudes over the contour proceed with instruction 3 of TN 1000/42;
  - k) check the engine controls;
  - l) check all fuses;
  - m) check the extension-retraction mechanism by operating it in both directions. The extension time should not exceed 13 seconds!
  - n) extend the engine;
  - o) check the fuel filter for dirt or sludge, the filter is located in the baggage compartment;
  - p) check the fuel level by looking at the DEI and directly at the tank;
  - q) check if the fin tank is empty.