No.	Page	Description	Date
12	0.2÷ 0.9, 0.9a, 0.10 ÷ 0.12, 1.2, 1.5, 1.11, 1.14, 1.15, 1.27 ÷ 1.29, 1.33, 2.1, 2.4 ÷ 2.6, 3.3, 4.8, 5.1, 6.1, 6.2, 6.4, 8.3, 9.2, diagr. 1, 9, 11, encl. 4 pages 1, 2, 2a, 3, Z193, SI 67-07, remove 5EP50	Manual revision TN1000/18	February 2011
13	0.6, diagrams 8 and 9	Wheel brake TN1000/21	July 2011
14	0.2 ÷ 0.7, 0.10 ÷ 0.12, 1.3, 1.5, 1.11, 1.16, 1.29, 1.30, 2.1, 2.6, 3.1, 4.6, 4.10, 4.12, 4.13, 4.19, 4.20, 6.1, 7.1, 8.2, 8.3, diagrams: 2, 3, 9, Enclosure 4 pages: 4, 7	Manual revision TN 1000/24, New type 12V sockets and plugs, Changes due to TN 4603-14 of the Solo company (Exchange of the axle of the upper drive belt pulley on pages 4.19 and 4.20)	October 2014
15	0.2, 0.3 - 0.6, 0.9a, 0.11, 1.18, 3.5, 3.8, 4.20, 4.20a, 4.26, 4.28, 8.1 – 8.3 diagram 13, diagram 15, diagram 15a	Propeller adapter ring with elastomeric damper TN 1000/26 Alternative mechanical fuel pump TN 1000/28	August 2015
16	0.2 -0.6, 0.11, 0.12, 2.1, 2.2, 3.7, 6.3, 8.2, 8.3, diagram 2	Manual revision TN1000/32	July 2017
17	0.2, 0.3, 1.11	TN1000/34 small nose wheel	October 2017
18	0.2-0.7, 0.10 - 0.13, 2.6, 3.9, 6.1, 8.2, diagrams 15 and 15a, file working instruction No. 1 for TN 1000/38 at the end of the MM.	TN1000/38 PU fuel hoses, limitation of life-time, replacement by new types of fuel hoses	February 2018
19	0.2 - 0.6, 1.14, 2.1, 2.2, 4.9, 6.3 diagrams 7, 7a, 20, enclosure 4 page 6	TN1000/42 Canopy lock, rear locking rods, manual revision	July 2019
20	Title, 0.2-0.4, 0.6, 0.11, 0.12, 1.3, 1.27, 2.1, 2.6, diagrams 7a, 11, 20, enclosure 4 page 2 + 7	TN1000/45 Manual revision, raised max. TOW	October 2021
21	0.2, 0.3, 1.3, 1.4	TN1000/50 adjustment of elevator free play	December 2023
22	0.2, 0.5, 6.3	TMDG-G-16 Accelerometer LXNAV G-meter	April 2024
23	0.2, 0.3, 0.5, 0.6, 0.11, 0.12, 4.20, 7.1, 8.1, 9.2, diagram 13	TN1000/52 safety pins for propeller adapter ring with elastomeric damper element	August 2025
24	Cover page, 0.2, 0.3	TN DG-G-17, update of cover page	August 2025
25	0.2, 0.3, 0.6, 1.18, Diagramm13	TM1000/52 Revision 2 Improved propeller adapter	April 2026

0.2 List of effective pages

Section	page	issued	replaced/	replaced/	replaced/
0	Title	June 2005	January 2007	Oct. 2021	Aug. 2025
	0.1	see manual amendments			
	0.2		"		
	0.3		"		
	0.4		"		
	0.5		"		
	0.6		"		
	0.7	June 2005	January 2007	Febr. 2011	Oct. 2014
			Febr. 2018		
	0.8	"	Febr. 2011		
	0.9	"	Febr. 2011		
	0.9a	Febr. 2011	August 2015		
	0.10	"	Febr. 2008	March 2008	Oct. 2008
			Nov. 2008	Febr. 2011	Oct. 2014
			Febr. 2018		
	0.11	"	Febr. 2011	Oct. 2014	August 2015
			July 2017	Febr. 2018	Oct. 2021
			August 2025		
	0.12	"	January 2007	Febr. 2011	Oct. 2014
			July 2017	Febr. 2018	Oct. 2021
			August 2025		
	0.13	Febr. 2018			
1	1.1	June 2005	January 2007		
	1.2	"	Febr. 2011		
	1.3	"	Oct. 2014	Oct. 2021	Dec. 2023
	1.4	"	Dec. 2023		
	1.5	"	Febr. 2011	Oct. 2014	
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	1.7	"			
	1.8	"			
	1.9	"	Febr. 2008		
	1.10	"	Febr. 2008		
	1.11	"	Febr. 2011	Oct. 2014	Oct. 2017
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	1.13	"			
	1.14	"	March 2008	Febr. 2011	July 2019
	1.15	"	Febr. 2011		
	1.16	"	Oct. 2014		
	1.17	"			
	1.18	"	August 2015	April 2026	
	1.19	"	March 2008		
	1.20	"			
	1.21	"			
	1.22	"	October 2006		
	1.23	"	October 2006		

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diagram	issued	replaced/	replaced/	replaced/
1	May 2004	Oct. 2010		
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4	Nov. 2001			
5	Nov. 2001	January 2007		
6	Nov. 2001	January 2007	March 2008 Not valid for 10-101, and from 10-128 on	
6a	March 2008			
7	Nov. 2004	July 2019		
7a	Oct. 2008	July 2019	Oct. 2021	
8	Nov. 2001	January 2007	July 2011	
9	June 2005	January 2007 Oct. 2014	Febr. 2011	July 2011
10	May. 2005	January 2007		
11	June 2005	Febr. 2011	Oct. 2021	
12	Sept. 2003	January 2007		
13	June 2005	August 2015	August 2025	April 2026
14	June 2005	October 2007		
15	June 2005	January 2007	August 2015	Febr. 2018
15a	Oct. 2006	Dec. 2006 Febr. 2018	January 2007	August 2015
16	June 2005	May 2008		
17	Febr. 2008			
18	Febr. 2008			
19	March 2008			
20	Nov. 2008	July 2019	Oct. 2021	
21	Nov. 2008	Oct. 2010		
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5EP34	25.01.90			
5V18	14.10.94			
10FW2	05.10.99			
10E4 issue A	28.10.08			
10E4 issue E	8.10.10			
10E102	14.09.05	5.12.05	26.01.06	
10E103	24.06.05			
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SI 67-07	5.11.2007			
Z193	4.11.2009			
Working instruction No. 1 for TN1000/38			Febr. 2018	

1.12 Power Plant

1.12.1 Arrangement:

see diagram 13.
You will find a part list with the designations and the reference numbers for the powerplant parts at the end of this manual.

1.12.2 Engine:

The engine is a SOLO 2350C with single magneto ignition and air cooling. For further engine specifications refer to the engine manual, see sect. 0.4 of this manual.
Caution: If you don't operate the engine for periods longer than 2 months you must preserve your engine according to the instructions in the engine manual. The same applies for any overseas transportation.

1.12.3 Exhaust Muffler:

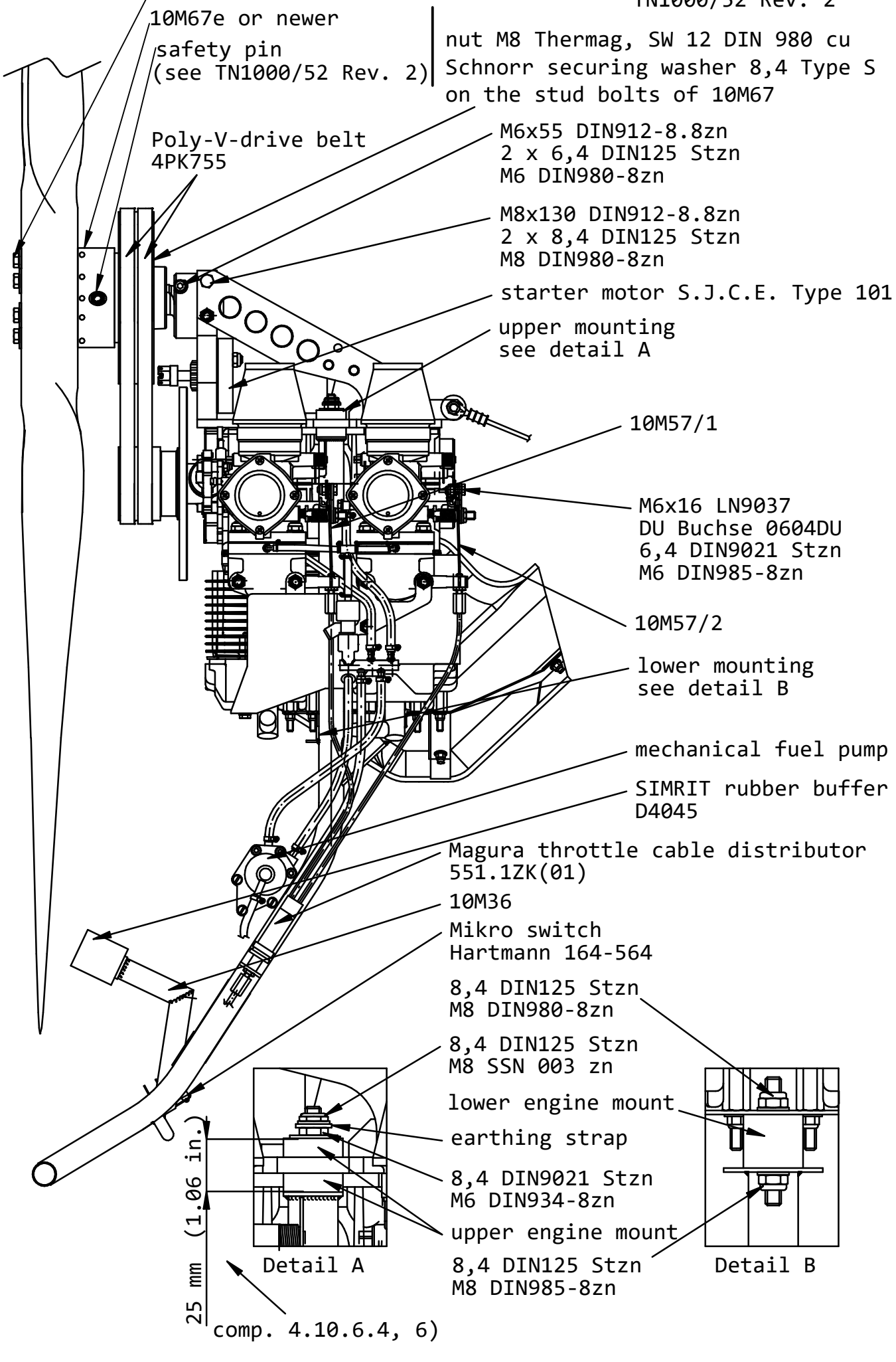
The muffler has been specially designed by the Solo company and is attached directly to the cylinders without a manifold.

1.12.4 Propeller:

Type: DG-P001-1
Attachment bolts: - six bolts with holes for lock wire securing in bolt heads (made from M8 x 70 DIN931 - 8.8 zn) with washers 8,4 DIN9021 St zn.
Tightening torque of the bolts – 20 Nm (15 ft lb) applied at the bolt head.
For lock wire securing refer to section 4.10.2.
An adapter ring with elastomeric damper element 10M67 is installed between propeller and upper drive belt pulley to reduce the vibration stress on the propeller axle.
From version 10M167”d” onwards, it is possible to screw on balancing weights.

1.12.5 Drive belt reduction gear:

Reduction ratio: 1:2.3
2 pieces Poly-V drive belt, type see section 8.1.
Checking the drive belt tension: Press with 120 N (26 lbs.) simultaneously on both belts vertically to the belts in the middle of the free length between the pulleys and measure how far you can displace the belts. The displacement shall be 5 mm (0.2 in.)
Tensioning adjustment can be made by turning the eccentric axle (propeller axle), see sect. 4.10.1.


M8x70 DIN931-8.8zn
8,4 DIN9021 Stzn
secured with lockwire
10M67e or newer
safety pin
(see TN1000/52 Rev. 2)
nut M8 Thermag, SW 12 DIN 980 cu
Schnorr securing washer 8,4 Type S
on the stud bolts of 10M67
Poly-V-drive belt
4PK755
M6x55 DIN912-8.8zn
2 x 6,4 DIN125 Stzn
M6 DIN980-8zn
M8x130 DIN912-8.8zn
2 x 8,4 DIN125 Stzn
M8 DIN980-8zn
starter motor S.J.C.E. Type 101
upper mounting
see detail A
10M57/1
M6x16 LN9037
DU Buchse 0604DU
6,4 DIN9021 Stzn
M6 DIN985-8zn
10M57/2
lower mounting
see detail B
mechanical fuel pump
SIMRIT rubber buffer
D4045
Magura throttle cable distributor
551.1ZK(01)
10M36
Mikro switch
Hartmann 164-564
8,4 DIN125 Stzn
M8 DIN980-8zn
8,4 DIN125 Stzn
M8 SSN 003 zn
lower engine mount
earthing strap
8,4 DIN9021 Stzn
M6 DIN934-8zn
upper engine mount
8,4 DIN125 Stzn
M8 DIN985-8zn
25 mm (1.06 in.)
comp. 4.10.6.4, 6)
Detail A
Detail B