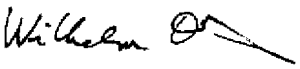
Recommendations to order spare parts

Please try to determine the exact designations of the spare parts for your order using the maintenance manual. This is to guarantee a fast and correct delivery of the parts.
The designations are to find in the sections system description, instructions for assembly and servicing work and especially in the diagrams of the maintenance manual.

Yours sincerely

DG Aviation GmbH



Dipl.- Ing. W. Dirks

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0 General

0.1 Manual amendments

Note: Changes 1- 23 are not listed

No.	Page	Description	Date
24	all	New standardized format of the initial maintenance manual of Variant DG-800B	May 2012
25	0.11 ÷ 0.14, 1.2, 1.4, 1.5, 1.7 ÷ 1.11, 1.13 ÷ 1.16, 1.18, 1.26, 1.27, 1.30, 2.1, 2.2, 2.4, 2.5, 3.1 ÷ 3.6, 3.8 ÷ 3.10, 4.1 ÷ 4.3, 4.7 ÷4.11, 4.13, 4.15, 4.16, 4.19 ÷ 4.23, 4.25, 4.26, 4.28 ÷ 4.31, 4.38, 5.1, 5.2, 6.1 ÷ 6.3, 7.2, 8.1 ÷ 8.5, 9.2, diagrams 1 ÷ 6, 7, 7a, 8, 9, 10a,10b, 11, 11a, 11b, 11d, 12a, 13b, 14 (14a removed), 15, 17, 8M210, W59, SI 69-10	TN 800/41 Manual revision, Coolant pump Pierburg Primervalve IWP069	May 2012
26	0.1, 0.3 - 0.7, 0.12, 0.13, 3.6, 3.10, 8.2, 8.3, diagrams 11, 11a, 11b, 11d, working instruction No. 1 for TN 800-44	TN 800/44 Fuel hoses	October 2016
27	0.1, 0.3 - 0.6, 0.8, 0.13, 0.14, 2.1, 2.2, 3.6, 4.36, 4.41, 8.1, 8.4, diagrams 3, 9	TN 800/45 Manual revision	July 2017
28	Title, 0.1, 0.3 – 0.6, 0.8, 0.13, 0.14, 3.8 – 3.11, 4.1-4.3, 4.11, 8.1, 8.2, diagram 8	TN 800/49 Manual revision, life-time drive-belt	May 2023
29	0.1, 0.3, 1.2 - 1.4	TN 800/50 Adjustment of elevator free play	December 2023
30	Cover page, 0.1	TN DG-G-17 Update of cover page	August 2025
31	0.0, 0.1, 0.3, 0.7, 0.12, 1.2, drawing 1 St 038	TN 800/52 Control column, control stick suspension, securing the spherical bearings	September 2025

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0.2 List of effective pages

Section	page	issued	replaced/	replaced/	replaced/
	Title	May 2012	May 2023	August 2025	
0	0.0	May 2012	September 25		
	0.1	see manual amendments			
	0.2		"		
	0.3		"		
	0.4		"		
	0.5		"		
	0.6		"		
	0.7		"		
	0.8	May 2012	May 2023		
	0.9	"			
	0.10	"			
	0.11	"			
	0.12	"	October 2016	September 25	
	0.13	"	October 2016	July 2017	May 2023
	0.14	"	July 2017	May 2023	
1	1.1	May 2012			
	1.2	"	December 23	September 25	
	1.3	"	December 23		
	1.4	"	December 23		
	1.5	"			
	1.6	"			
	1.7	"			
	1.8	"			
	1.9	"			
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	1.11	"			
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	1.22	"			
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	1.24	"			

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0.2 List of effective pages (continued)

enclosure		issued	replaced/	replaced/	replaced/
6EP27M		28.08.90			
8EP25		17.06.97			
8EP29		26.10.16			
8EP35		Nov. 01			
8EP38		17.02.99			
8EP46		10.05.99			
8M110		5.07.11			
8V96		19.12.94			
W40		30.11.99			
W51		20.11.96			
W57		10.09.99			
W59		18.06.02			
8E25		25.06.99			
8E27		2.11.99			
8E201		11.11.01	without TN 873/19		
8E201		10.11.01	with TN 873/19		
8E202		07.04.97			
8E203		09.11.01	without TN 873/19		
8E203		08.11.01	with TN 873/19		
8E204		26.08.97			
8E205	G	10.11.99	ser.no. 8-103 up to 8-194		
8E205	H	30.04.00	ser.no. 8-195 up to 8-218		
8E205	I	25.10.00	from ser.no.. 8-219 on		
8E205	K	26.02.02	from ser.no.. 8-276 on		
8E206		25.10.00			
8E210		15.05.97			
8E218		10.05.00			
8E219		09.11.01			
SI 69-10		14.05.10			
WI No. 1 for TN 800-44		October 2016			
1 St 038		01.09.25			

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Enclosures

6EP27M	Installation Dräger oxygen system
8EP25	Installation landing gear doors
8EP29	Installation permanently installed refuelling pump
8EP35	Installation wing fuel bags
8EP38	Installation plan ELT ACK
8EP46	wing fuel tank system fuselage side with electromagnetic valves
8M110	Drawing assembly upper drive belt pulley
8V96	Drawing jigs to determine the static moment of the flaperons
W40	Puller assy. for lower drive belt pulley
W51	Drawing hook spanner for bearings
W57	Tool for measuring the drive belt tension
W59	Test adapter for coolant pump test
8E25	Wiring plan wing fuel tank system fuselage side with electromagnetic valves
8E27	Wiring plan permanently installed refuelling pump
8E201	Wiring scheme without TN 873/19 Wiring scheme with TN 873/19
8E202	Wiring plan DIN A 1 (in aircraft log) Ignition ISKRA
8E203	Wiring scheme from ser.no. 8-103 on without TN 873/19 Wiring scheme with TN 873/19
8E204	Wiring plan DIN A1(in aircraft log) Ignition DUCATI up to ser.no. 8-102
8E205	Wiring plan DIN A1 (in aircraft log) issue G ser.no. 8-103 up to ser.no. 8-194
8E205	Wiring plan DIN A1 (in aircraft log) issue H ser.no. 8-195 up to 8-218
8E205	Wiring plan DIN A1 (in aircraft log) issue I from ser.no. 8-219 on
8E205	Wiring plan DIN A1 (in aircraft log) issue K from ser.no. 8-276 on
8E206	Wiring scheme from ser.no. 8-219 on
8E210	Extension wires for checking the ignition electronic boxes
8E218	Addition to wiring plan TN 873/19 up to ser.no. 8-194
8E219	Amendment to wiring plans 8E202 and 204 for TN 873/26 Solo engine
SI 69-10	Service Info: Adjustment of propeller after jump of drive belt working instruction No. 1 for TN 800-44
1 St 038	Additional control column safeguard acc. to TN 800/52

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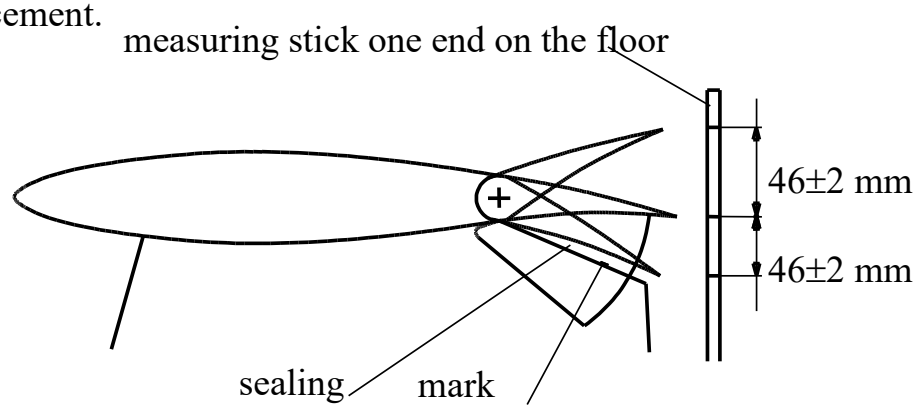
1.2 Elevator control and trim system

1.2.1 Control system

see diagram 1 and drawing 1 St 038

1.2.2 Elevator deflections and tolerances

Up 46 ± 2 mm 1.81 ± 0.08 in.
Down 46 ± 2 mm 1.81 ± 0.08 in.
measured at 134 mm (5.3 in.) from hinge axis which is directly at the edge of the cut-out for the rudder.
Measurement:
Hold a measuring stick with one end on the floor. Deflect the elevator to neutral position by bringing the mark at the sealing in line with the upper end of the fin. Mark the 0-point on the stick. Then mark the up and down displacement.



1.2.3 Elevator stops

The elevator stops are located at the base of the control column and can be adjusted with a 10 mm open ended spanner.

1.2.4 Elevator control circuit free play

With the elevator held fixed in the zero position, the free play at the top of the control column can be ± 1.5 mm (± 0.06 in.).

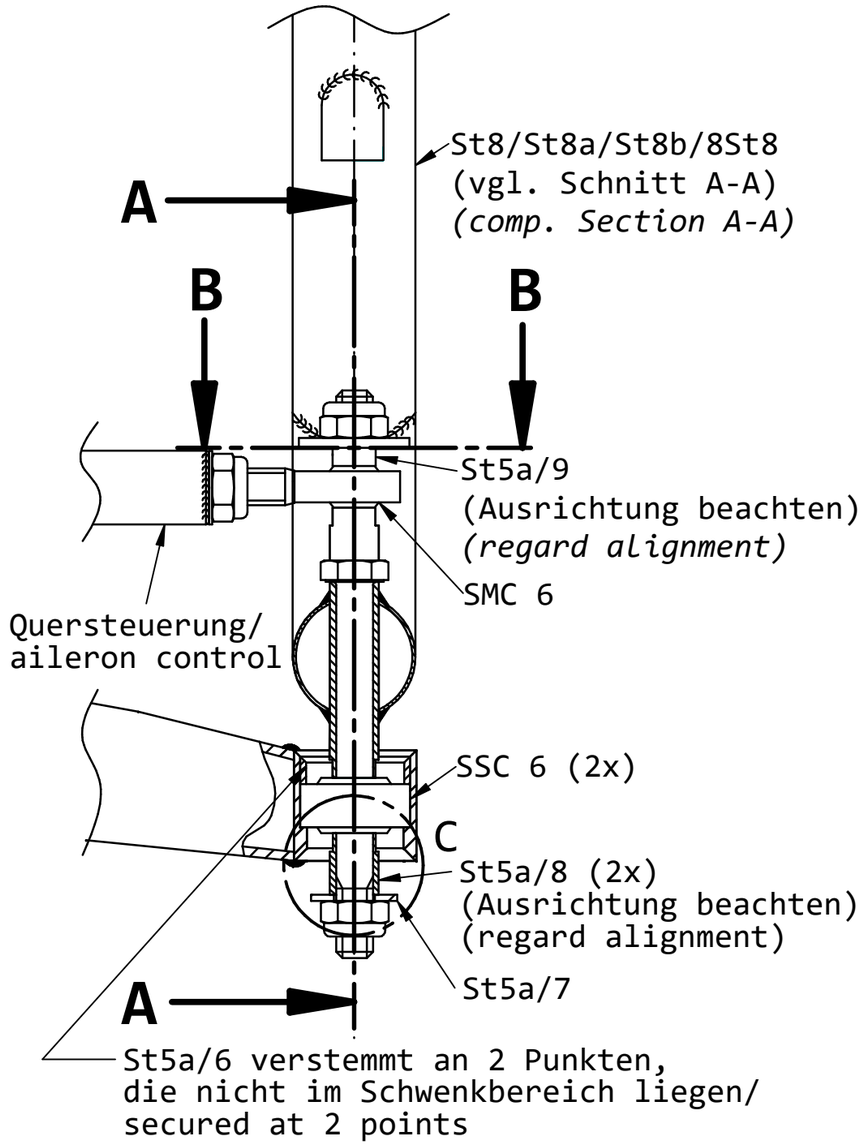
Free play within the automatic elevator connection

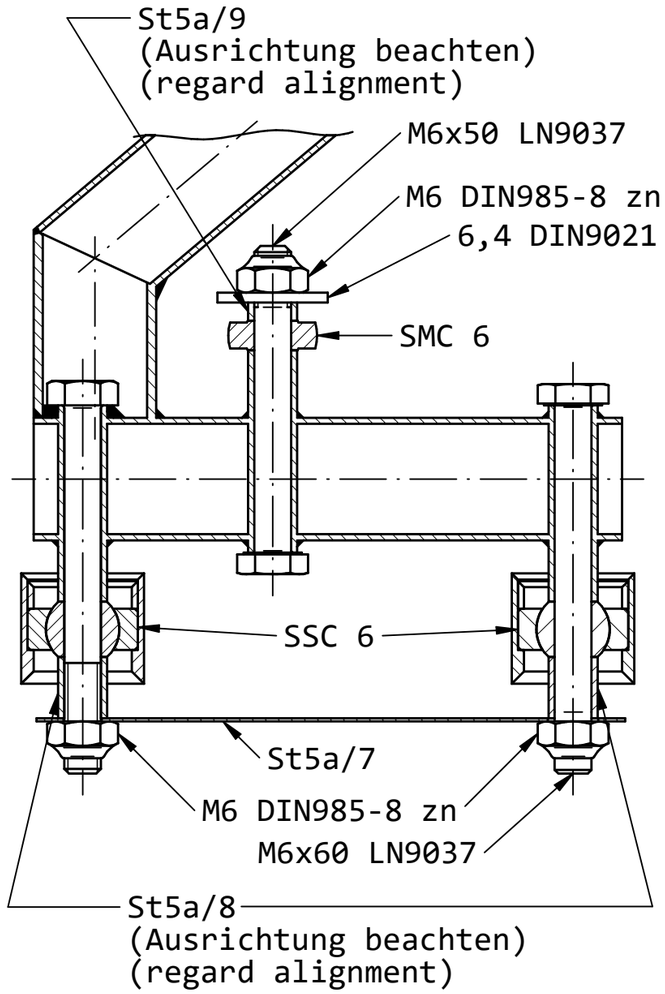
Within the automatic elevator connection there should be no free play noticeable in the zero position when the elevator is moved at its trailing edge.
Any free play can be reduced by screwing in the adjustment screw on the automatic connector funnel.

Warning: In case the adjustment screw was turned in too far, the roller will jam inside the funnel and can´t be moved or only with larger force to the front of the funnel. Moving the horizontal tailplane backwards for rigging might not be possible or only with large effort. Each time a bending force will act on the rod end which might lead to failure of the rod end with time.
For this reason after adjusting the free play it is necessary to check if the roller can be moved without force in the funnel.

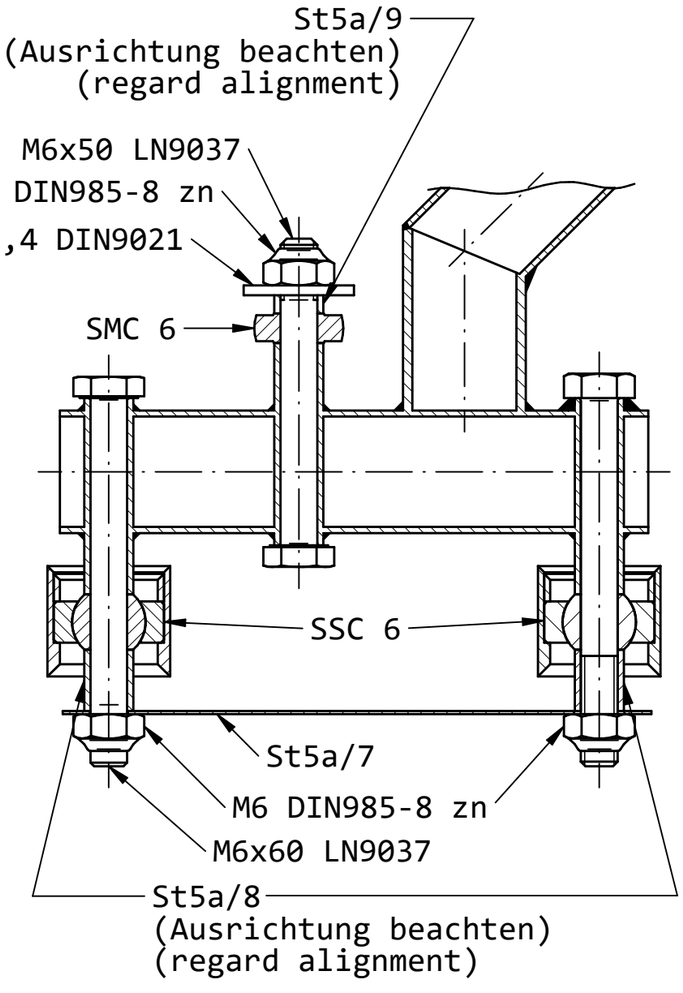
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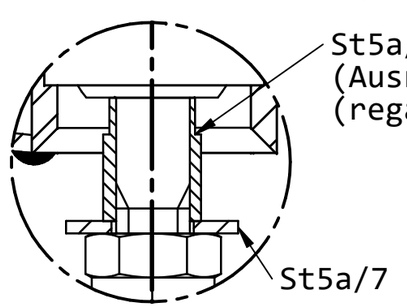




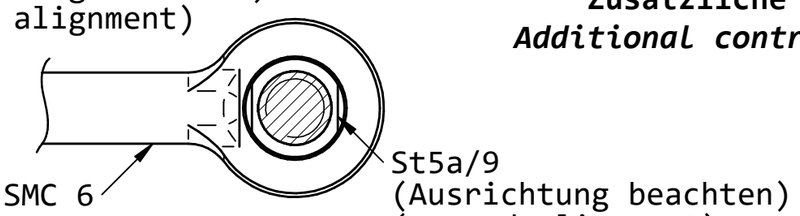
A-A
(bei/with St8/St8a/8St8)



A-A
(bei/with St8b)



C (2:1)



B-B (2:1)

Zusätzliche Sicherungen des Handsteuers gemäß TM DG-SS-10 bzw. TM 800/52
Additional control column safeguard according to TN DG-SS-10 resp. TN 800/52

Ausg.	Beschreibung	ab W-Nr.	Name/Datum
-	Erstausgabe		E. Scharf 01.09.2025

Gepr. (MPI) J. B. Wassenaar 01.09.2025 | Freig. (MPL) W. Dirks 01.09.2025

Zeichnungsnummer: 1 St 038

Titel: **Handsteuersicherung/ Control Column Safeguard**

Toleranzen nach Arbeitsanweisung BA 1
Schweißen nach Arbeitsanweisung SA 1

Maßstab 1	Maßstab 2	Einheiten	Projektion
1:1	(2:1)	mm [inch]	

DG
76646 Bruchsal | Otto-Lilienthal-Weg 2

Projekt	Ausg.
DG single seaters, DG-800	.0

Format	Seite	Status
DIN A3	1 / 1	Musterunterlage

INCH 0 1 2 3 — MILLIMETER 0 10 20 30 40 50 60 70 80 90