

Service Manual

AMENDMENT

Tissue-Tek[®] Glas[™] g2 Coverslipper

6500 Glas g2-A1 (115VAC)

6501 Glas g2-J0 (100VAC)

6502 Glas g2-E2 (230VAC)

6499 Glas g2-JC2 (230VAC)

This amendment is based on the following document.

- Glas g2 Service Manual: AI0-IF-001(ENG)-03

All the information contained in this amendment is only valid for the abovementioned document.

Refer to the amendment for the work described in each relevant clauses and chapter in the abovementioned document.

The contents of the amendment are to be reflected in the next version of the Glas g2 service manual (AI0-IF-001(ENG)-04). Therefore, do NOT use the amendment after release of the next version of the service manual.

Document Code	AI0-IF-012(ENG)-01
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History of Revision

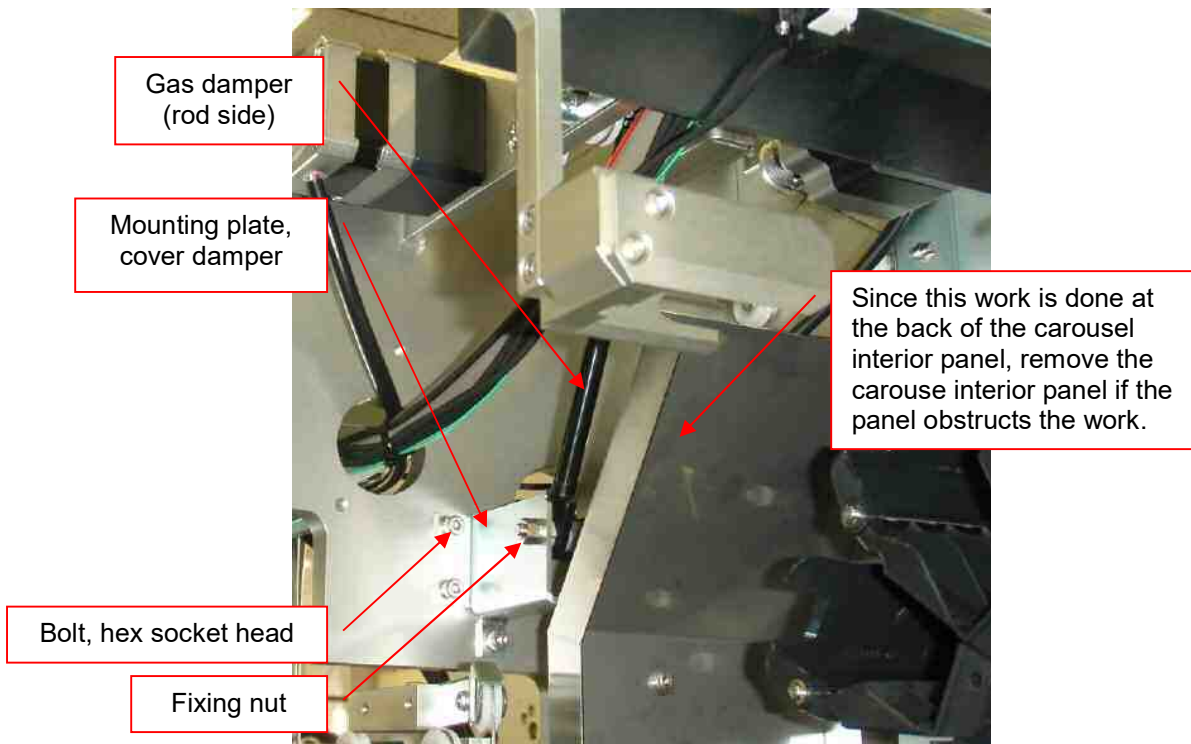
Ver.	Revision Date	Chapter / Section affected	Description	Affected Document
00	2021/01/20		Ver.00	AI0-IF-001-03
		6-5-19-3	Replacement of gas damper * Added precaution for installation of new part; 00001-2814 gas spring (Ref. IECN #Glas g2-2102 Part number change)	
		Chap.10	(Page 10-78) Loading Door, Front Cover and Unloading Area (2/3 – Front Cover) * Changed part number, description and model of #58	
01	2021/04/xx		Updated document code of English version of service manual; Deleted unnecessary description from Amendment	AI0-IF-001(ENG)-03

6-5-19-3. Replacement of Gas Damper

[Applicable tools, etc.] Spanners (nominal sizes: 8, 10)

<Disassembly>

1. Remove both the left and right front interior panels. (Refer to 6-5-13-1 and 6-5-13-2.)
2. Remove the carousel interior panel if necessary. (Refer to 6-5-13-4.)
3. Remove the cover frame. (Refer to 6-5-19-1.)
4. Remove the three hex socket head bolts affixing the cover damper mounting plate and take out the cover damper mounting plate together with the gas damper.
5. Remove the fixing nut, pull out the damper installation bolt, and remove the gas damper.



<Assembly>

1. Install the parts by following the disassembly procedure in reverse.
 - Be sure to assemble the gas damper with the tube side facing up.
 - When operating the gas damper, be sure to erect the damper with the tube side facing up.
 - The gas damper should display resistance when extending as well as contracting.
- Observe precaution described on the next page when replacing the gas damper with the new part, Gas Spring TG221-70-300 (380)-TK (18-8) (part code 00001-2814).

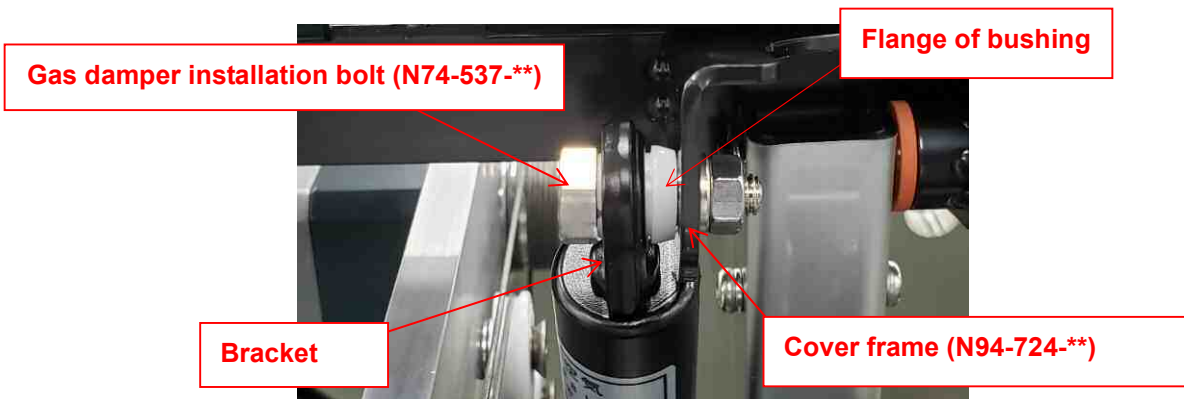
Precaution for Installation of Gas Spring TG221-70-300 (380)-TK (18-8) (Part code 00001-2814)

Due to production discontinuation, the gas damper Y1035 (D9280088) was changed to the gas spring TGS221-70-300(380)-TK (18-8) (00001-2814). (IECN #Glas g2-2102 Part number change).

However, the gas damper and gas spring have differently-shaped mounting brackets. If the gas spring is installed in a wrong direction at replacement, a rod of the gas spring gets contact with the damper mounting plate (N94-732-**) during the opening/closing of the cover. This is just a minor contact problem and does not affect opening/closing the cover, yet it may cause the surface to be scratched or paint powders to be produced. To prevent such things, install the gas spring in a proper direction as shown below.

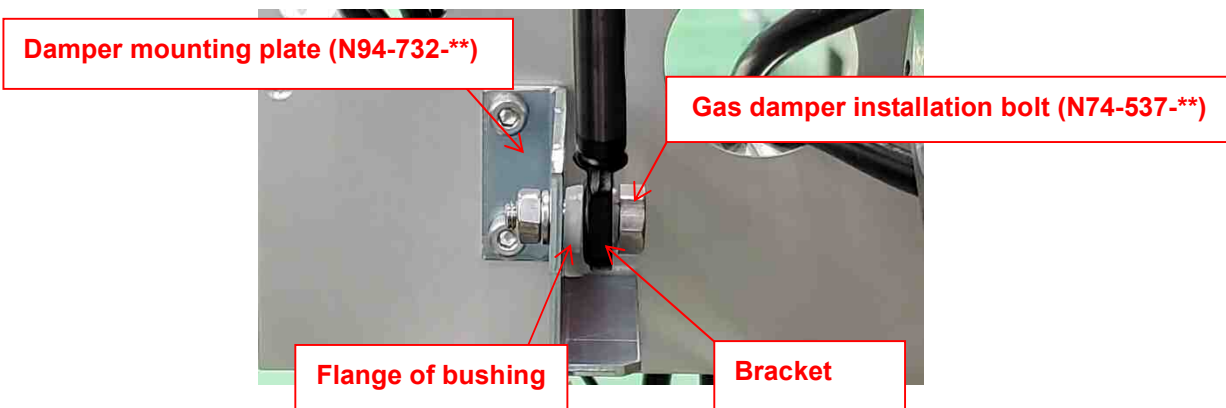
■ Cylinder Side

Secure the gas spring with the flange of the bushing faced toward the cover frame side.



■ Rod Side

Secure the gas spring with the flange of the bushing faced toward the damper mounting plate side.



Loading Door, Front Cover and Unloading Area (2/3 – Front Cover)

No.	Part Code	Description	Model / Material	Q'ty	Class	Serial Number				Change	ECN No.	Remarks
						A1 6500	E2 6502	J0 6501	JC2 6499			
1	N74-537-00	Gas Damper Installation Bolt	SUS	2								
2	N94-708-00	Sensor Mounting Plate, Loading Door	SUS	1	N/A	0051~ 0089	0051~ 0081	0051~ 0078	---	NO	0911	
	N94-715-02	Sensor Mounting Plate, Loading Door	SUS	1		0090~	0082~	0079~	0051~			*2
3	N94-709-00	Sensor Plate, Loading Door	SUS	1	N/A	0051~ 0089	0051~ 0081	0051~ 0078	---	NO	0911	
	N94-716-03	Sensor Plate, Loading Door	SUS	1		0090~	0082~	0079~	0051~			*2
4	N94-720-00	Hinge Base (1), Cover	Al	2								
5	N94-721-00	Hinge Base (2), Cover	SUS	2								
6	N94-722-00	Hinge Pin, Cover	SUS	2								
7	N94-723-00	Cover	PMMA	1		0051~ 0089	0051~ 0081	0051~ 0078	---	NO	1003	
	N94-738-00	Cover	PMMA	1		0090~	0082~	0079~	0051~			
8	N94-724-05	Cover Frame Assembly	Fe	1								
9	N94-728-02	Underside Frame, Cover	Fe	1		0051~ 0075	0051~ 0076	0051~ 0069	---	NO	1002	
	N94-737-01	Underside Frame, Cover	Fe	1		0076~	0077~	0070~	0051~			
10	N94-729-00	Side Frame Cover	Al	1								
11	N94-730-01	Cover Handle	SUS	1								
12	N94-731-01	Cover Sensor Plate Receiver	SUS	1								
13	N94-732-01	Damper Mounting Plate, Cover	Fe	1								
14	N94-733-00	Rubber Gasket	FPM	2								
15	F52-683-00	Cover Sensor Cable	E:Glas-73	1	C							
16	N94-739-00	Case Protection Plate		1								
17	N94-735-00	Cover Side Frame, Right	Al	1								
18												
19	N94-717-00	Plate Nut (2)	Fe	1								
51	A3-60-1178	Photo-interrupter	KI3052-AA02LF	1	C							
52	A4070683	Spacer	BSF-325E	2	N/A	0051~ 0089	0051~ 0081	0051~ 0078	---	NO	0911	
	A4-07-0684	Spacer	BSF-330E	2		0090~	0082~	0079~	0051~			*2
53	A4-07-0702	Spacer	C-415	2								
54	B0-03-0083	Bearing	0710F	2								
55	D9-03-0702	Rubber Foot	C-30-RK-1510-UL	2	C							
56	D9-04-0071	Flat Hinge	B-1100-1	1								
57	D9-28-0058	Tension Spring	2001	1								
58	00001-2814	Gas Spring	TGS221-70-300 (380)-TK (18-8)	1	C							
101	B6-12-2009	Bolt, Hex Socket Head	M5 x 20, SUS	4								
102	B6-12-2052	Bolt, Hex Socket Head / Sems A	M4 x 8, SUS	3								
103	B6-13-2020	Screw, Cross-recessed Pan Head	M3 x 12, SUS	2								
104	B6-25-2001	Screw, Cross-recessed Truss Head	M4 x 8, SUS	3								
105	B6-28-2000	Screw, Cross-recessed Pan Head / Sems A	M4 x 8, for sheet metal, SUS	14								
106	B6-28-2002	Screw, Cross-recessed Pan Head / Sems A	M3 x 6, for sheet metal, SUS	9								
107	B6-28-2009	Screw, Cross-recessed Pan Head / Sems A	M4 x 15, SUS	1								
108	B6-28-2010	Screw, Cross-recessed Pan Head / Sems A	M4 x 20, SUS	2								
109		-----										
110	B6-29-2000	Screw, Cross-recessed Pan Head / Sems B	M3 x 6, for sheet metal, SUS	2								