

Technical Newsletter

#tnl2019-0008e-rev1

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DFG8540, 8560/DFP8140, 8160 Request for Periodic Replacement Brush/Leveling Stone (T2 Pad Washing Unit [Optional Accessory])

Applicable model

DFG8540, DFG8560, DFP8140, DFP8160

Request for replacement at intervals of 1 year

In order to prevent insufficient cleaning due to aged deterioration of the brush or leveling stone, it is recommended to periodically replace them at intervals of 1 year.

Sorry for inconvenience caused by the periodic replacement but we appreciate your understanding.

Parts for replacement/Part No.

The part ID for each replacement part is different depending on the model.

Also, some user-specified specification machines are equipped with the sponge, instead of the brush.

Please be careful. For details regarding the sponge, please contact DISCO.

[DFG8540 /DFP8140]

Item	DISCO Part ID	Qty.
Brush	BRUSH LJLH-910584-0	1
Leveling stone	WASHING BOARD LJAH-010006-1	1

[DFG8560 /DFP8160]

Item	DISCO Part ID	Qty.
Brush	BRUSH LJSH-910080-0	1
Leveling stone	WASHING BOARD LJSH-010000-1	1

For the replacement procedure, there is no difference among the models. Please refer to the pages that follow.

Inquiries

Please contact your local DISCO sales representative or DISCO customer engineer if you have any questions regarding this matter.

Replacement of Brush/Leveling Stone (T2 Pad Washing Unit [Optional Accessory])

Necessary tool

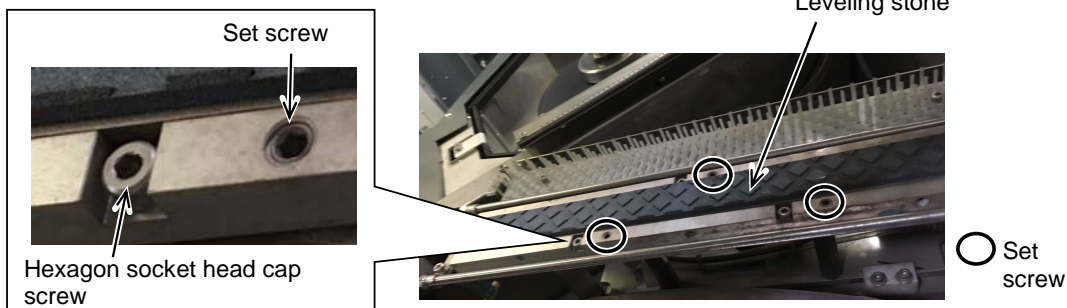
Allen wrench

Procedures to replace the brush/leveling stone of the T2 pad washing unit

CAUTION

When replacing the leveling stone, do not loosen or adjust the 3 set screws in the image below

The 3 set screws in the image below are for adjusting the level of the leveling stone. If you adjust the set screws, there is a risk that the leveling stone will not press against the T2 pad and it will not be possible to perform T2 pad cleaning appropriately.




Step No.	Procedure																				
1	Connect the handy panel at the Z1 side.																				
2	Move the brush of the washing unit to the washing (center) position. →Refer to Section 2-3-8, [Operation Screens for Washing Unit] of Chapter G in the Maintenance Manual for operation details of the washing unit.																				
3	Display the operation screen for the transfer arm 2. <table border="1" data-bbox="630 1574 1182 1912"> <thead> <tr> <th>R</th> <th>#300 T.ARM2/ INITIAL</th> <th><P</th> <th>N></th> </tr> </thead> <tbody> <tr> <td>Z:</td> <td>###.## mm</td> <td>T: ###.## °</td> <td>VAC: ### kPa</td> </tr> <tr> <td>INITIAL</td> <td>VACUUM ON</td> <td colspan="2">VACUUM OFF</td> </tr> <tr> <td></td> <td>BLOW ON</td> <td colspan="2">BLOW OFF</td> </tr> <tr> <td>SEQUENCE</td> <td>WATER ON</td> <td colspan="2">WATER OFF</td> </tr> </tbody> </table>	R	#300 T.ARM2/ INITIAL	<P	N>	Z:	###.## mm	T: ###.## °	VAC: ### kPa	INITIAL	VACUUM ON	VACUUM OFF			BLOW ON	BLOW OFF		SEQUENCE	WATER ON	WATER OFF	
R	#300 T.ARM2/ INITIAL	<P	N>																		
Z:	###.## mm	T: ###.## °	VAC: ### kPa																		
INITIAL	VACUUM ON	VACUUM OFF																			
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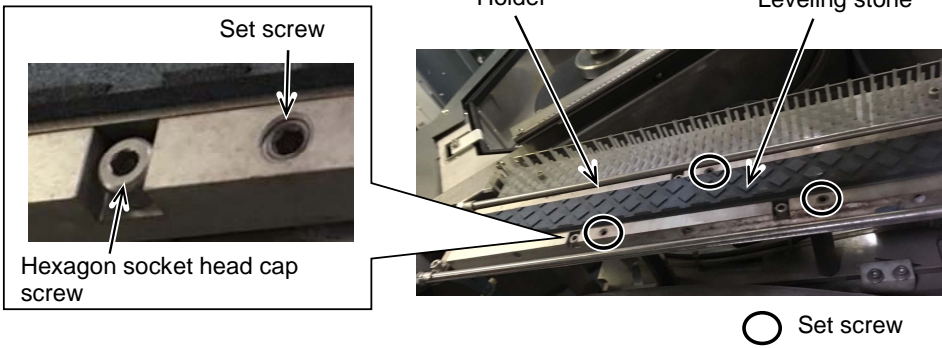
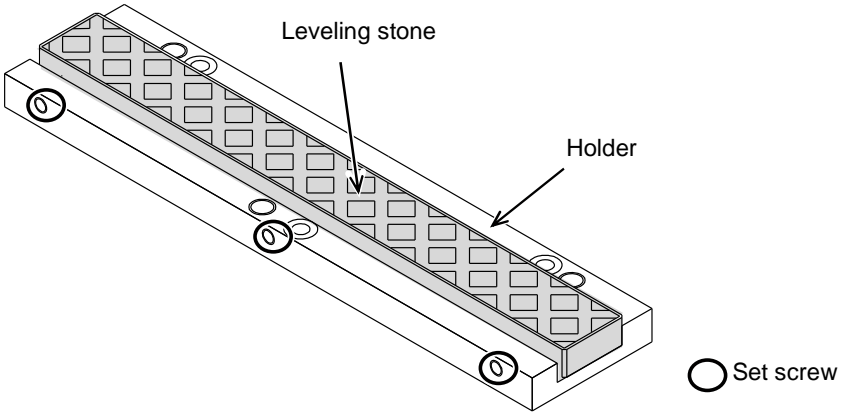
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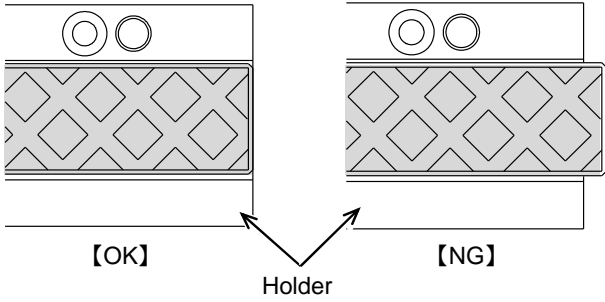
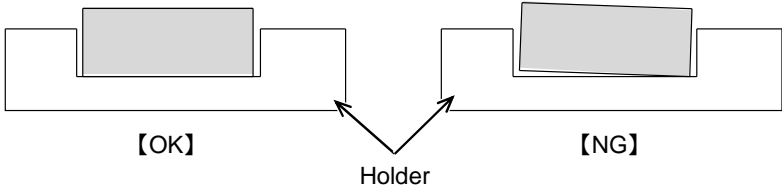
Procedures to replace the brush/leveling stone of the T2 pad washing unit (Continued)

Step No.	Procedure																				
4	<p>Press ">P" key twice.</p> <ul style="list-style-type: none"> The following screen appears. <table border="1" data-bbox="630 472 1182 808"> <tr> <td>R</td> <td>#305 T.ARM2 / P.WASH.OPT.2</td> <td><P</td> <td>N></td> </tr> <tr> <td colspan="4">Z: ###.## mm T: ###.## ° VAC: ### kPa</td> </tr> <tr> <td>MOVE T SCRUBBING</td> <td>MOVE T ESCAPE</td> <td>MOVE T BRUSHING</td> <td></td> </tr> <tr> <td>STONE SET</td> <td></td> <td>BRUSH SET</td> <td></td> </tr> <tr> <td>WASH SEQ (STONE)</td> <td></td> <td>WASH SEQ (BRUSH)</td> <td></td> </tr> </table>	R	#305 T.ARM2 / P.WASH.OPT.2	<P	N>	Z: ###.## mm T: ###.## ° VAC: ### kPa				MOVE T SCRUBBING	MOVE T ESCAPE	MOVE T BRUSHING		STONE SET		BRUSH SET		WASH SEQ (STONE)		WASH SEQ (BRUSH)	
R	#305 T.ARM2 / P.WASH.OPT.2	<P	N>																		
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WASH SEQ (STONE)		WASH SEQ (BRUSH)																			
5	<p>Press "MOVE T ESCAPE" key.</p> <ul style="list-style-type: none"> The transfer arm 2 pad moves to the chuck table side. 																				
6	<p>Press "BRUSH SET" key.</p> <ul style="list-style-type: none"> The brush will rotate and the brush side will face upward. 																				
7	<p>Open the grinding section side cover at the Z1 side.</p>																				
8	<p>Remove the brush after removing the hexagon socket head cap screws (M4 × 2).</p> <div style="text-align: center;"> <p>Hexagon socket head cap screw Brush</p>  <p>Hexagon socket head cap screw</p> </div>																				
9	<p>Install a new brush with the hexagon socket head cap screws (M4 × 2).</p>																				

Procedures to replace the brush/leveling stone of the T2 pad washing unit (Continued)

Step No.	Procedure
10	<p>Remove the hexagon socket head cap screws (3 pcs) and remove the leveling stone together with the holder.</p> <ul style="list-style-type: none"> • The size for the hexagon socket head cap screws is M5 for the DFG8540/DFP8140, and M4 for the DFG8560/DFP8160. • Do not adjust the 3 set screws next to the hexagon socket head cap screws. The 3 set screws are for adjusting the level of the leveling stone. <div data-bbox="424 629 1369 974">  </div>
11	<p>Remove the leveling stone after loosening the set screws (3 pcs) at the lateral side of the holder.</p> <ul style="list-style-type: none"> • The size for the set screws is M5 for the DFG8540/DFP8140, and M4 for the DFG8560/DFP8160. <div data-bbox="517 1160 1369 1570">  </div>

Procedures to replace the brush/leveling stone of the T2 pad washing unit (Continued)

Step No.	Procedure
12	<p>Install the new leveling stone and tighten the set screws on the holder lateral side (3 pcs).</p> <ul style="list-style-type: none"> • Install it so that the leveling stone's lateral side and the holder's lateral side are flat. <p>When viewing the leveling stone from the top</p> 
13	<p>Looking at the leveling stone from the lateral side, verify whether its lower surface is touching the holder.</p> <p>When viewing the leveling stone from the lateral side</p>  <p><u>If the leveling stone's lower surface is not touching the holder:</u> Remove the leveling stone from the holder and attach it again.</p>
14	Install the holder of the leveling stone with the hexagon socket head cap screws (3 pcs).
15	Close the grinding section side cover at the Z1 side.
16	Effect initialization of the machine.
17	<p>Perform the cleaning of the transfer arm 2 pad through the handy panel.</p> <p>→Refer to Section 2-3-4, [Operation Screens for Transfer Arm 2] of Chapter G in the Maintenance Manual for operation details of the transfer arm 2.</p>
18	Make sure that there is no problem with the transfer arm 2 pad cleaning result.
19	Disconnect the handy panel from its connector.