

Technical Newsletter

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DAD322/DAD3220/DAD3230/DAD3430/DAD3350 Announcement of the Maintenance Parts

Introduction

This document announces the latest part No. at present of periodic replacing parts written in the Maintenance Manuals of applicable models shown below, as number of years have passed since they were issued.

Applicable models

DAD322
DAD3220
DAD3230
DAD3430
DAD3350 (machine equipped with the previous-type electrical components)

Applicable Maintenance Manuals and pages to refer to in this document

This document lists the latest part No. at present by model.

Model	Part No. of the Maintenance Manual		Refer To
DAD322	Japanese	UNESMJH000C	Pages 2 to 4 in this document
	English	UNESMEH000C	
DAD3220	Japanese	UKKSMJH014D	Pages 5 to 8 in this document
	English	UKKSMEH014D	
DAD3230/DAD3430	Japanese	UKLSMJH014D	Pages 9 to 11 in this document
	English	UKLSMEH014D	
DAD3350 (machine equipped with the previous-type electrical components)	Japanese	UKBSMJH014D	Pages 12 to 16 in this document
	English	UKBSMEH014D	

Inquiries

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

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Maintenance part list [DAD322]

- When "Interval" is "*", the interval of the work differs depending on the machine use condition.
- When "Refer To" is "-", the procedure of the work is not written in the Maintenance Manual.

Interval	Refer To	Inspection/Maintenance Item	Item	DISCO Part ID
*	B-2-1	Flange Replacement (1.5kW Spindle)	Bit	BIT LKKN-010002-0
			Torque driver Handle	TORQUE DRIVER (4N, R) LKFN-020008-5
			Nut demounting jig	JIG (NUT) FKKN-010004-2
			Flange A removing jig	JIG SET (FLANGE RELEASE) LKBN-910007-0
	B-2-2	Hub Mount Replacement (1.5kW Spindle)	Bit	BIT LKKN-010002-0
			Torque driver Handle	TORQUE DRIVER (4N, R) LKFN-020008-5
			Nut demounting jig	JIG (NUT) FKKN-010004-2
			Hub mount removing jig set	REMOVE JIG ASSY (2"HUB) FPUJ-010001-1
			Front cap	SPINDLE CAP NSTZ-010082-0
			Vacuum ejector	EJECTOR LELH-910033-1
365-Day Intervals	E-1-3	Cleaning the 1.5kW Spindle		
	E-6-2	Cleaning the Vacuum Ejector		

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Maintenance part list [DAD322] (Continued)

Interval	Refer To	Inspection/Maintenance Item	Item	DISCO Part ID	Qty. required
365-Day Intervals	F-1-1	Replacing the Air Clean Unit Consumable Parts	Mist separator element	FILTER ELEMENT LNEH-010028-0	1
			Air filter	FILTER ELEMENT LNKH-010002-0	1
	F-1-2	Replacing the Halogen Lamp [Optional Accessory]	Halogen lamp	LAMP (HALOGEN) DEALMEB5001-1	1 or 2
	F-1-3	Replacing the Spindle Carbon Brush	Carbon brush assembly	CARBON BRUSH ASSY. NCBZ-010050-0	2
	F-1-4	Replacing the Microscope LED Light	LED light	LED LIGHT LJTP-910004-1	1 or 2
700-Day Intervals	F-1-5	Replacing the Spindle Waterproof Plate	Waterproof plate	SEAL PLATE (V) LNEX-010007-0	1
			Flow rate sensor for spindle coolant water	FLOW CHECKER (2L) LNEH-010011-2	1
	F-2-2	Replacing the Solenoid Valve	Solenoid valve	Please contact.	-
	F-2-3	Replacing the Flowmeter for Wheel Coolant Water (For Customers Who Uses City Water)	Flowmeter for wheel coolant water	FLOW METER (2L) LNEH-010010-1	1 or 2
			Flow rate sensor for wheel coolant water	FLOW CHECKER (2L) LNEH-010011-2	1 or 2
F-3-1	Replacing the Bellows	Bellows	BELLOWS LNEX-010004-0	2	

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Maintenance part list [DAD322] (Continued)

Interval	Refer To	Inspection/Maintenance Item	Item	DISCO Part ID	Qty. required
1000-Day Intervals	F-3-2	Replacing the Chuck Table O-Ring/Seal/V-Ring	O-ring	O-RING MCO-0555AN--0	1
			Seal (rubber)	SEAL (RUBBER) LKKR-010010-1	1
			V-ring	V-RING (CR) LKKR-010015-0	1
1800-Day Intervals	F-4-1	Replacing the Flowmeter for Wheel Coolant Water (For Customers Who Uses deionized water)	Flowmeter for wheel coolant water	FLOW METER (2L) LNEH-010010-1	1 or 2
			Center ring	RING (CENTER) LKHR-912901-0	1
*	F-5-1	Replacing the Chuck Table Center Ring	Flow rate controller for wheel coolant water	FLOW CONTROLLER (2) LKKH-010042-7	1
* (1800-Day Intervals Recommended)	F-5-2	Replacing the Flow Rate Controller for Wheel Coolant Water [Optional Accessory]	Battery	To be replaced by DISCO service department. Please contact.	1
			Mesh filter	LINE FILTER LKFH-020017-0	1
*	F-5-3	Replacing the Battery on the CPU Board	Repair set	REPAIR SET LKKN-010077-0	1 set
			Hook set	HOOK SET LKKN-010017-0	1 set
	-	Replacing the board due to battery life of electrical components board	Battery	To be replaced by DISCO service department. Please contact.	1
			Hard disk drive	To be replaced by DISCO service department. Please contact.	1
	-	Replacing the backup battery of the PC	Backup battery	To be replaced by DISCO service department. Please contact.	1

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Maintenance part list [DAD3220]

- When "Interval" is "*", the interval of the work differs depending on the machine use condition.
- When "Refer To" is "-", the procedure of the work is not written in the Maintenance Manual.

Interval	Refer To	Inspection/Maintenance Item	Item	DISCO Part ID
*	B-2-1	Flange Replacement (1.5kW Spindle)	Bit	BIT LKKN-010002-0
			Torque driver Handle	TORQUE DRIVER (4N, R) LKFN-020008-5
			Nut demounting jig	JIG (NUT) FKKN-010004-2
			Flange A removing jig	JIG SET (FLANGE RELEASE) LKBN-910007-0
			Bit	BIT LKKN-010002-0
	B-2-2	Hub Mount Replacement (1.5kW Spindle)	Torque driver Handle	TORQUE DRIVER (4N, R) LKFN-020008-5
			Nut demounting jig	JIG (NUT) FKKN-010004-2
			Hub mount removing jig set	REMOVE JIG ASSY (2"HUB) FPUJ-010001-1
			Amplifier adjustment driver	DRIVER (VOLUME) DBZHPXPA001-0
			Front cap	SPINDLE CAP NSTZ-010082-0
365-Day Intervals	E-1-1	Cleaning the Non-Contact Setup Sensor (Detection Surface)	Vacuum ejector	EJECTOR LELH-910033-1
			Cleaning the Vacuum Ejector	
	E-1-2	Cleaning the Blade Breakage Detector Sensor		
	E-1-3	Cleaning the 1.5kW Spindle		

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Maintenance part list [DAD3220] (Continued)

Interval	Refer To	Inspection/Maintenance Item	Item	DISCO Part ID	Qty. required
365-Day Intervals	F-1-1	Replacing the Air Clean Unit Consumable Parts	Mist separator element	FILTER ELEMENT LKKH-010039-0	1
			Air filter	FILTER ELEMENT LKKH-010038-0	1
	F-1-2	Replacing the Halogen Lamp	Halogen lamp	LAMP (HALOGEN) DEALMEB5001-1	1 or 2
	F-1-3	Replacing the Spindle Carbon Brush	Carbon brush assembly	CARBON BRUSH ASSY. NCBZ-010050-0	2
	F-1-4	Replacing the Microscope LED Light	LED light	LED LIGHT LJTP-910004-1	1 or 2
700-Day Intervals	F-1-5	Replacing the Spindle Waterproof Plate	Waterproof plate	SEAL PLATE (V) LKKX-010013-0	1
	F-2-1	Replacing the Flow Rate Sensor for Spindle Coolant Water	Flow rate sensor for spindle coolant water	FLOW CHECKER (2L) LHEH-910058-2	1
			Solenoid valve	Please contact.	—
	F-2-2	Replacing the Solenoid Valve	Flowmeter for wheel coolant water	FLOW METER (2L) LHEH-910056-1	1 or 2
	F-2-3	Replacing the Flow Rate Sensor for Wheel Coolant Water (For Customers who Use City Water)	Flow rate sensor for wheel coolant water	FLOW CHECKER (2L) LHEH-910058-2	1 or 2
	F-2-4	Replacing the Flow Rate Sensor for Wheel Coolant Water [Optional Accessory]	Flow rate sensor for wheel coolant water	FLOW CHECKER (2L) LHEH-910058-2	1 or 2
			Bellows	BELLOWS LKKX-010006-1	2
1000-Day Intervals	F-3-1	Replacing the Bellows	Bellows	BELLOWS LKKX-010006-1	2

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Maintenance part list [DAD3220] (Continued)

Interval	Refer To	Inspection/Maintenance Item	Item	DISCO Part ID	Qty. required
1000-Day Intervals	F-3-2	Replacing the Chuck Table O-ring/Seal/V-ring	O-ring	O-RING MCO-0555AN--0	1
			Seal (rubber)	SEAL (RUBBER) LKKR-010010-1	1
			V-ring	V-RING (CR) LKKR-010015-0	1
1800-Day Intervals	F-4-1	Replacing the Flowmeter for Wheel Coolant Water (For Customers Who Uses deionized water)	Flowmeter for wheel coolant water	FLOW METER (2L) LHEH-910056-1	1 or 2
	F-4-2	Replacing the Hard Disk Drive	Hard disk drive	To be replaced by DISCO service department. Please contact.	1
*	F-5-1	Replacing the Chuck Table Center Ring	Center ring	RING (CENTER) LKHR-912901-0	1
* (1800-Day Intervals Recommended)	F-5-2	Replacing the Flow Rate Controller for Wheel Coolant Water [Optional Accessory]	Flow rate controller for wheel coolant water	FLOW CONTROLLER (2) LKKH-010042-7	1
			Battery	To be replaced by DISCO service department. Please contact.	1
*	-	Replacing the hook of nut demounting jig	Repair set	REPAIR SET LKKN-010077-0	1 set
			Hook set	HOOK SET LKKN-010017-0	1 set
			Mesh filter	LINE FILTER LKFH-020017-0	1
*	-	Replacing the board due to battery life of electrical components board	Battery	To be replaced by DISCO service department. Please contact.	1
			Hard disk drive	To be replaced by DISCO service department. Please contact.	1

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Maintenance part list [DAD3220] (Continued)

Interval	Refer To	Inspection/Maintenance Item	Item	DISCO Part ID	Qty. required
*	-	Replacing the backup battery of the PC	Backup battery	To be replaced by DISCO service department. Please contact.	1

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Maintenance part list [DAD3230/DAD3430]

- When "Interval" is "*", the interval of the work differs depending on the machine use condition.
- When "Refer To" is "-", the procedure of the work is not written in the Maintenance Manual.

Interval	Refer To	Inspection/Maintenance Item	Item	DISCO Part ID
*	B-2-1	Flange Replacement (1.5kW Spindle)	Bit	BIT LKKN-010002-0
			Torque driver Handle	TORQUE DRIVER (4N, R) LKFN-020008-5
			Nut demounting jig	JIG (NUT) FKKN-010004-2
			Flange A removing jig	JIG SET (FLANGE RELEASE) LKBN-910007-0
	B-2-2	Hub Mount Replacement (1.5kW Spindle)	Bit	BIT LKKN-010002-0
			Torque driver Handle	TORQUE DRIVER (4N, R) LKFN-020008-5
			Nut demounting jig	JIG (NUT) FKKN-010004-2
			Hub mount removing jig set	REMOVE JIG ASSY (2"HUB) FPUJ-010001-1
			Amplifier adjustment driver	DRIVER (VOLUME) DBZHPXPA001-0
			Front cap	SPINDLE CAP NSTZ-010082-0
365-Day Intervals	E-1-1	Cleaning the Non-Contact Setup Sensor (Detection Surface)	Vacuum ejector	EJECTOR LELH-910033-1
			Cleaning the Vacuum Ejector	
	E-1-2	Cleaning the Blade Breakage Detector Sensor		
	E-1-3	Cleaning the 1.5kW Spindle		

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Maintenance part list [DAD3230/DAD3430] (Continued)

Interval	Refer To	Inspection/Maintenance Item	Item	DISCO Part ID	Qty. required
365-Day Intervals	F-1-1	Replacing the Air Clean Unit Consumable Parts	Mist separator element	FILTER ELEMENT LKKH-010039-0	1
			Air filter	FILTER ELEMENT LKKH-010038-0	1
	F-1-2	Replacing the Halogen Lamp	Halogen lamp	LAMP (HALOGEN) DEALMEB5001-1	1 or 2
	F-1-3	Replacing the Spindle Carbon Brush	Carbon brush assembly	CARBON BRUSH ASSY. NCBZ-010050-0	2
	F-1-4	Replacing the Microscope LED Light	LED light	LED LIGHT LJTP-910004-1	1 or 2
700-Day Intervals	F-1-5	Replacing the Spindle Waterproof Plate	Waterproof plate	SEAL PLATE (V) LKKX-010013-0	1
	F-2-1	Replacing the Flow Rate Sensor for Spindle Coolant Water	Flow rate sensor for spindle coolant water	FLOW CHECKER (2L) LHEH-910058-2	1
			Solenoid valve	Please contact.	-
	F-2-2	Replacing the Solenoid Valve	Flowmeter for wheel coolant water	FLOW METER (2L) LHEH-910056-1	1 or 2
	F-2-3	Replacing the Flowmeter for Wheel Coolant Water (For Customers who Use City Water)	Flow rate sensor for wheel coolant water	FLOW CHECKER (2L) LHEH-910058-2	1 or 2
			Bellows	BELLOWS LKLX-010002-1	2
	F-3-1	Replacing the Bellows	Bellows (With AUTO DRESSING)	BELLOWS (AUTO DRESSING) LKLX-010021-2	2

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Maintenance part list [DAD3230/DAD3430] (Continued)

Interval	Refer To	Inspection/Maintenance Item	Item	DISCO Part ID	Qty. required
1000-Day Intervals	F-3-2	Replacing the Chuck Table O-ring/Seal/V-ring	O-ring	O-RING MCO-0555AN--0	1
			Seal (rubber)	SEAL (RUBBER) LKKR-010010-1	1
			V-ring	V-RING (CR) LKKR-010015-0	1
1800-Day Intervals	F-4-1	Replacing the Flowmeter for Wheel Coolant Water (For Customers Who Uses deionized water)	Flowmeter for wheel coolant water	FLOW METER (2L) LHEH-910056-1	1 or 2
	F-4-2	Replacing the Hard Disk Drive	Hard disk drive	To be replaced by DISCO service department. Please contact.	1
*	F-5-1	Replacing the Chuck Table Center Ring	Center ring	RING (CENTER) LKHR-912901-0	1
* (1800-Day Intervals Recommended)	F-5-2	Replacing the Flow Rate Controller for Wheel Coolant Water [Optional Accessory]	Flow rate controller for wheel coolant water	FLOW CONTROLLER (2) LKKH-010042-7	1
*	F-5-3	Replacing the battery on the CPU board	Battery	To be replaced by DISCO service department. Please contact.	1
			Repair set	REPAIR SET LKKN-010077-0	1 set
			Hook set	HOOK SET LKKN-010017-0	1 set
	-	Replacing the inline filter consumable parts [optional accessory]	Mesh filter	LINE FILTER LKFH-020017-0	1
			Battery	To be replaced by DISCO service department. Please contact.	1
			Backup battery	To be replaced by DISCO service department. Please contact.	1

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Maintenance part list [DAD3350]

- When "Interval" is "*", the interval of the work differs depending on the machine use condition.
- When "Refer To" is "-", the procedure of the work is not written in the Maintenance Manual.

Interval	Refer To	Inspection/Maintenance Item	Item	DISCO Part ID
*	B-2-1	Flange Replacement (1.8kW Spindle)	Bit	BIT (H4) LKFN-910083-0
			Torque driver Handle	TORQUE DRIVER (4N, R) LKFN-020008-5
			Nut demounting jig	JIG (NUT) FKKN-010004-2
			Removing jig (flange)	JIG SET (FLANGE RELEASE) LKBN-910007-0
	B-2-2	Hub Mount Replacement (1.8kW Spindle)	Bit	BIT (H4) LKFN-910083-0
			Torque driver Handle	TORQUE DRIVER (4N, R) LKFN-020008-5
			Nut demounting jig	JIG (NUT) FKKN-010004-2
			Removing jig set (hub)	REMOVE JIG ASSY (2"HUB) FPUJ-010001-1
			Bit	BIT (H6) LKFN-910086-0
			Torque driver Handle	TORQUE DRIVER (10N, R) LKFN-910087-1
B-2-3	Flange Replacement (2.2kW Spindle)	Nut demounting jig	JIG (3 INCH NUT) FKBN-020002-1	
		Removing jig (flange)	JIG FKBN-910006-0	

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Maintenance part list [DAD3350] (Continued)

Interval	Refer To	Inspection/Maintenance Item	Item	DISCO Part ID
*	B-2-4	Hub Mount Replacement (2.2kW Spindle)	Bit	BIT (H6) LKFN-910086-0
			Torque driver Handle	TORQUE DRIVER (10N, R) LKFN-910087-1
			Nut demounting jig	JIG (3 INCH NUT) FKBN-020002-1
			Removing jig set (hub)	JIG FKBN-910005-0
			Abrasives	ABRASIVE (OPTICAL PRISM) DBZHPFP001-0
	E-1-1	Cleaning the Non-Contact Setup Sensor (Detection Surface)	Amplifier adjustment driver	DRIVER (VOLUME) DBZHPXPA001-0
			Amplifier adjustment driver	DRIVER (VOLUME) DBZHPXPA001-0
	E-1-2	Cleaning the Blade Breakage Detector Sensor	Front cap	CAP (F) NSEZ-110155-2
			Front cap	CAP (FRONT) NSHZ-110198-1
	E-1-3	Cleaning the 1.8kW Spindle	Vacuum ejector	EJECTOR LELH-910033-1
E-1-5	Cleaning the 2.2kW Spindle			
365-Day Intervals	E-6-2	Cleaning the Vacuum Ejector		

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Maintenance part list [DAD3350] (Continued)

Interval	Refer To	Inspection/Maintenance Item	Item	DISCO Part ID	Qty. required
365-Day Intervals	F-1-1	Replacing the Air Clean Unit Consumable Parts	Mist separator element	FILTER ELEMENT LKKH-010039-0	1
			Air filter	FILTER ELEMENT LKKH-010038-0	1
	F-1-2	Replacing the Halogen Lamp	Halogen lamp	LAMP (HALOGEN) DEALMEB5001-1	1 or 2
	F-1-3	Replacing the 1.8kW Spindle Carbon Brush	Carbon brush right and left sides set (For 1.8kW spindle)	CARBON BRUSH LR SET NCBZ-010048-0	1
			Carbon brush assembly (For 2.2kW spindle)	CARBON BRUSH ASSY. NCBZ-010044-0	2
F-1-4	Replacing the Microscope LED Light	LED light	LED LIGHT LJTP-910004-1	1 or 2	
700-Day Intervals	F-1-5	Replacing the Y-axis Roll Sheet and Bracket	Bracket	SEAL (SPINDLE HOLDER 1) LKBY-910010-2	1
			Y-axis roll sheet	ROLL SHEET LKBY-910009-0	2
	F-2-1	Replacing the Flow Rate Sensor for Spindle Coolant Water	Flow rate sensor for spindle coolant water	FLOW CHECKER (2L) LHEH-910058-2	1
			Solenoid valve	Please contact.	-
	F-2-2	Replacing the Solenoid Valve			

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Maintenance part list [DAD3350] (Continued)

Interval	Refer To	Inspection/Maintenance Item	Item	DISCO Part ID	Qty. required	
700-Day Intervals	F-2-3	Replacing the Flowmeter for Wheel Coolant Water (For Customers who Use City Water)	Flowmeter for wheel coolant water (blade cooler/shower)	FLOW METER (2L) LHEH-910056-1	1 or 2	
			Flowmeter for wheel coolant water (spray)		1	
			Flowmeter for wheel coolant water (water curtain)		1	
1000-Day Intervals	F-2-4	Replacing the Flow Rate Sensor for Wheel Coolant Water [Optional Accessory]	Flow rate sensor for wheel coolant water	FLOW CHECKER (2L) LHEH-910058-2	1 or 2	
			Bellows		BELLOWS (X) LJTX-910015-0	2
			Waterproof cover			COVER (WATER-PROOF) LHLR-911209-0
1800-Day Intervals	F-3-1	Replacing the Chuck Table Waterproof Cover/O-ring/V-ring	V-ring	SEAL (V-RING) LHLR-911287-0	1	
			O-ring		O-RING LENR-910022-0	1
			Flowmeter for wheel coolant water (blade cooler/shower)		FLOW METER (2L) LHEH-910056-1	1 or 2
Flowmeter for wheel coolant water (spray)	1					
Flowmeter for wheel coolant water (water curtain)	1					
	F-4-1	Replacing the Hard Disk Drive	Hard disk drive	To be replaced by DISCO service department. Please contact.	1	

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Maintenance part list [DAD3350] (Continued)

Interval	Refer To	Inspection/Maintenance Item	Item	DISCO Part ID	Qty. required
* (1800-Day Intervals Recommended)	F-5-1	Replacing the Flow Rate Controller for Wheel Coolant Water [Optional Accessory]	Flow rate controller for wheel coolant water	FLOW CONTROLLER LJTH-010169-3	2 or 3
*	F-5-2	Replacing the board due to battery life of electrical components board	Battery	To be replaced by DISCO service department. Please contact.	1
	-	Replacing the Chuck Table Center Ring	Center ring	RING (CENTER) LKHR-912901-0	1
	-	Replacing the Hooks of the Nut Demounting Jig	Repair set	REPAIR SET LKKN-010077-0	1 set
	-		Hook set	HOOK SET LKKN-010017-0	1 set
	-	Replacing the Battery on the CPU Board	Battery	To be replaced by DISCO service department. Please contact.	1
	-	Replacing the backup battery of the PC	Backup battery	To be replaced by DISCO service department. Please contact.	1