

S/M No. :

Service Manual

Washing Machine

Model: DWD-M1031



✓ Caution

: In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service Information Center (<http://svc.dwe.co.kr>).

DAEWOO ELECTRONICS CORP.

[http : //svc.dwe.co.kr](http://svc.dwe.co.kr)

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4. DIRECTION FOR DISASSEMBLY

DOOR LOCK SWITCH

- ① Open the door and remove the clamp door as.



- ② Separate the gasket from the cabinet front and remove two screws.



- ③ Remove the door lock switch from the cabinet front .



DRAIN PUMP

- ① Separate the cover pump from the cabinet front and remove screw.



- ② Lay the right-side of the washer on the floor. And separate connectors and hose drain from the pump.



- ③ Remove the hose drain o from the pump.



HEATER AND THERMISTOR

- ① Separate the plate t as from the washer.
(Remove two screws at rear)



- ② Separate the case detergent as and remove two screws from panel f.



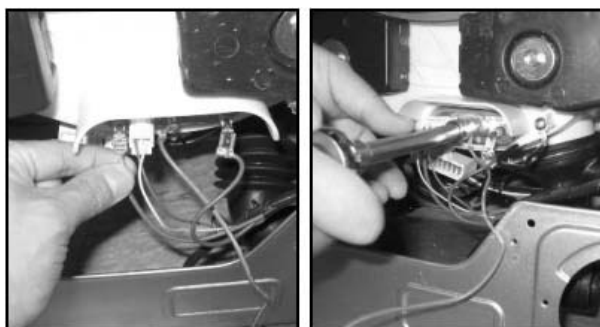
- ③ Separate the panel f as from the washer.



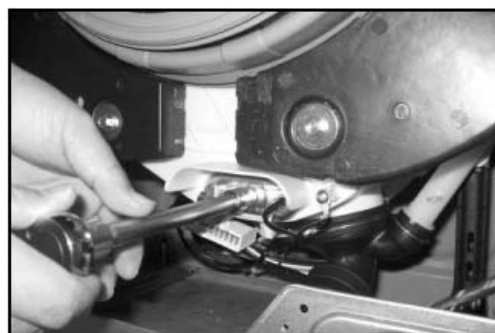
- ④ Separate the cabinet front from the washer.
(Remove the clamp door as and 4 screws)



- ⑤ Separate connectors from the heater and remove the nut by using a box wrench.



- ⑥ Remove the earth terminal and loosen the nut by using a box wrench



- ⑦ Pull out the heater from the tub.



UNIVERSAL MOTOR

Firstly, you have to do from ① to ⑤ of HEATER AND THERMISTOR DISASSEMBLY.

- ① Separate the box inlet as from the washer.
(remove screws and hose inlet)



- ② Remove the screw of the motor connector.
And separate the connector from the tub.



- ③ Separate the hose air from the sensor pressure.



- ④ Lay the front-side of washer on the floor.
And remove four screws.



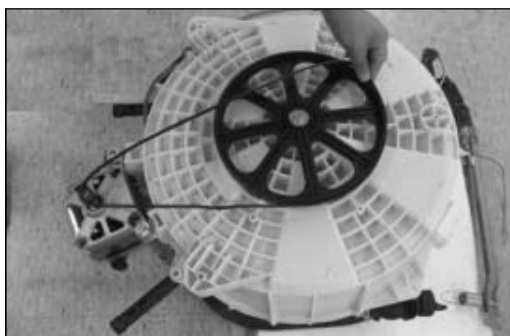
- ⑤ Separate two dampers and the hose drain.



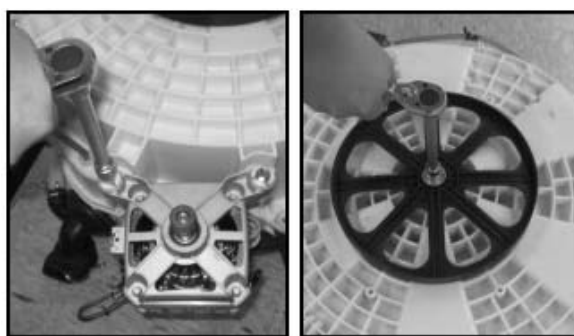
- ⑥ Lift up the cabinet as.



- ⑦ Separate the belt.

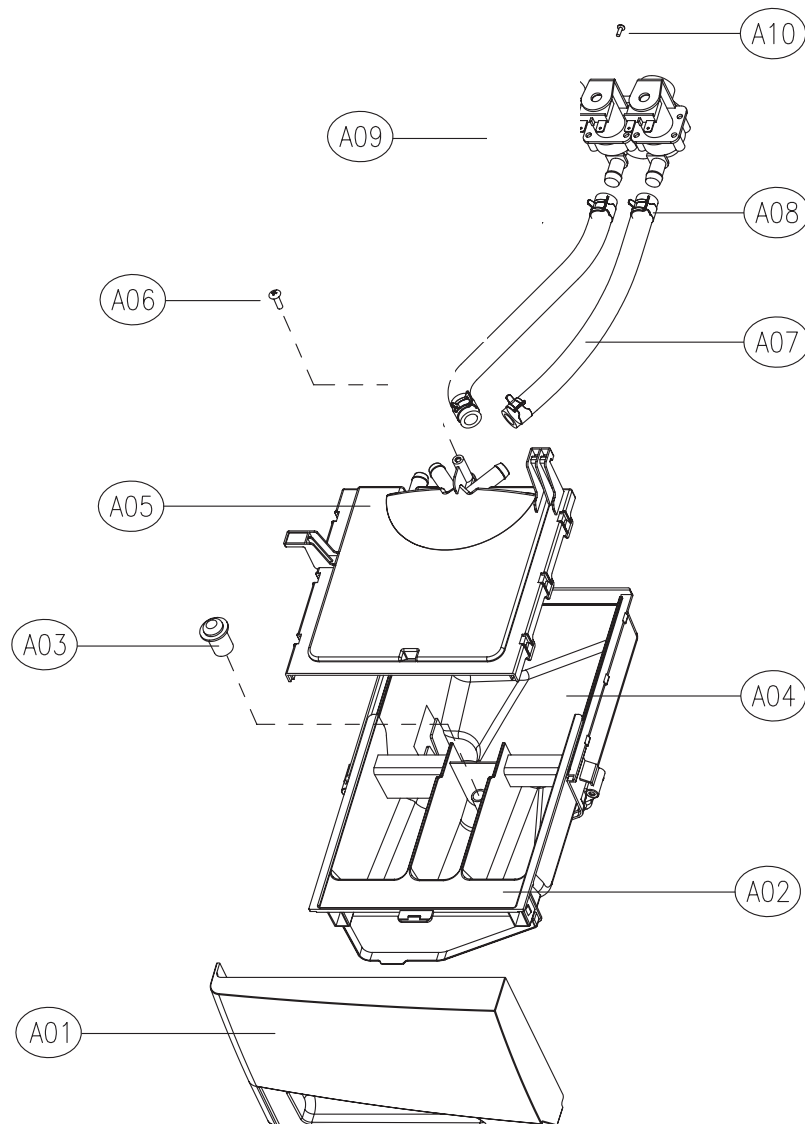


- ⑧ Remove two screws from the motor and remove the screw from the drum using a box wrench.



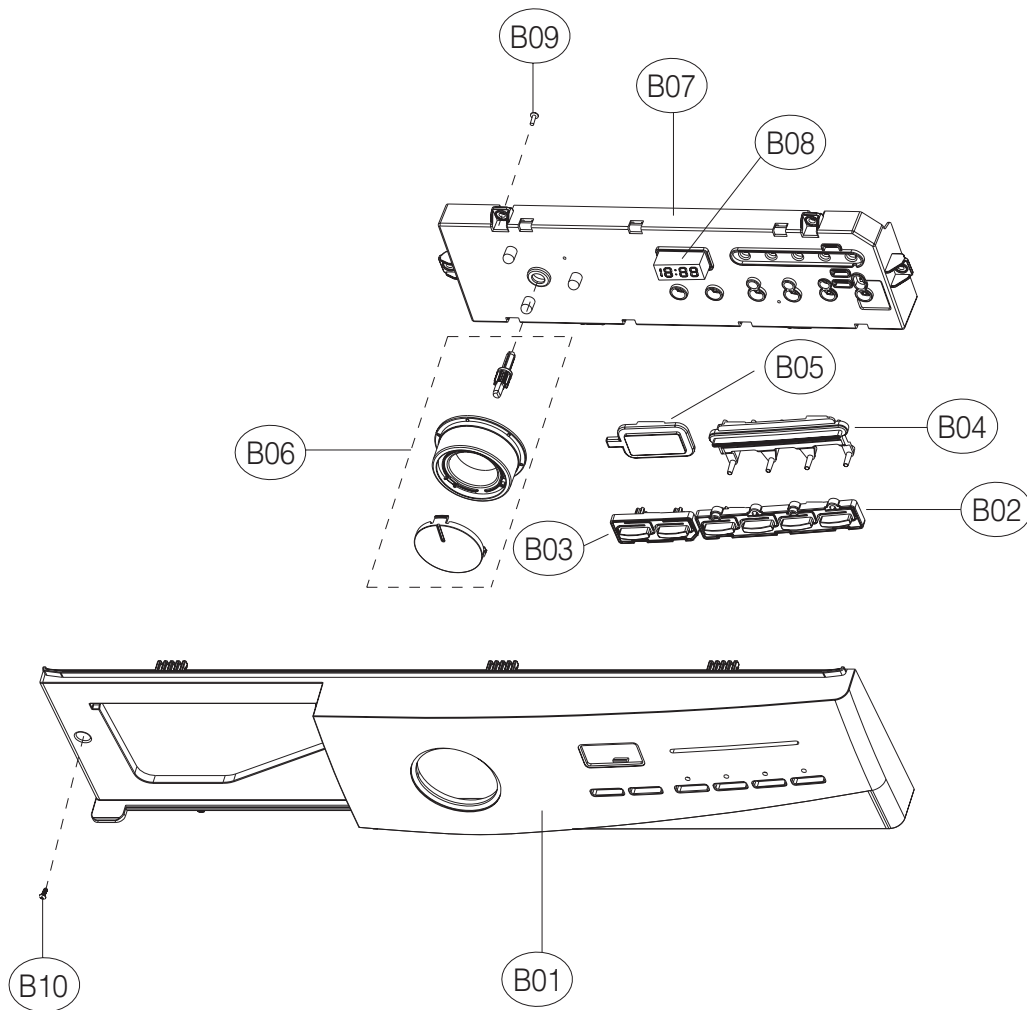
5. EXPLODE VIEW AND PARTS LIST

■ BOX INLET AS



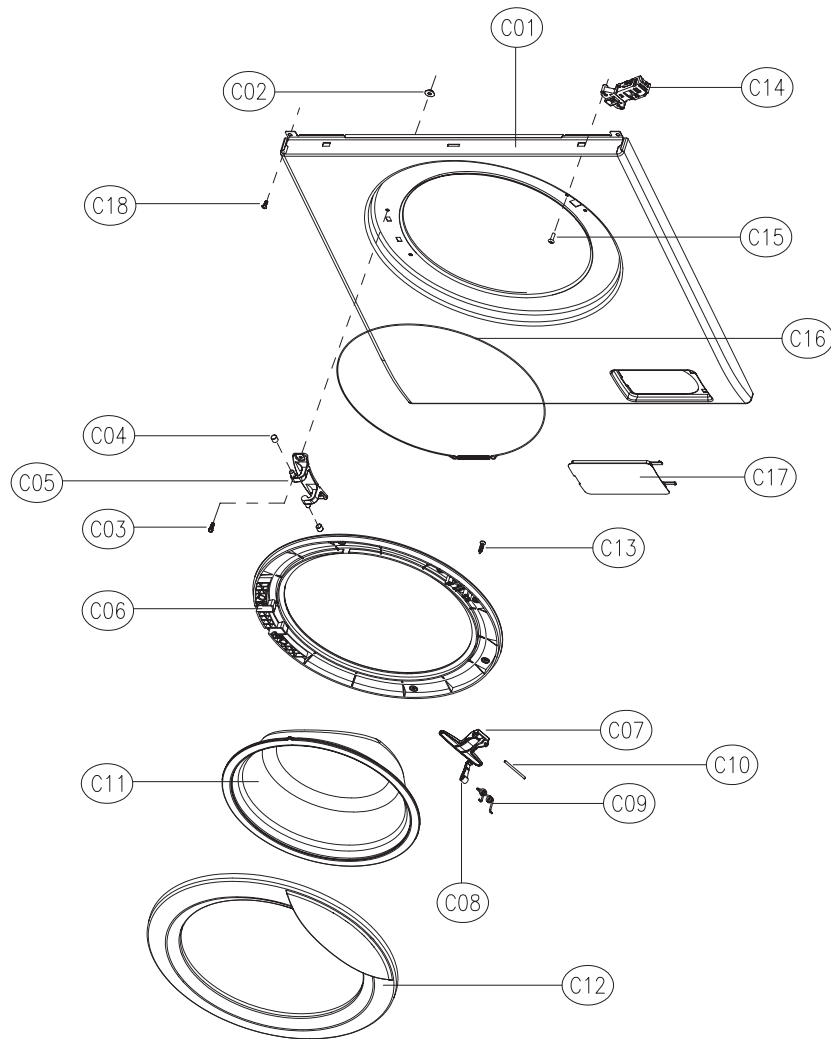
No.	PART NAME	PART CODE	SPECIFICATION	Q'TY	REMARK
A01	HANDLE CASE	PEDIR: 3611147310		1	CASE DETERGENT ☐
A02	CASE DETERGENT	PEDIR: 3611147310		1	AS: ☐ 3611147310
A03	CAP SOFTENER	3610907800	PP	1	
A04	BOX INLET	PEDIR: 3610528010		1	BOX INLET AS: ☐ 3610528010
A05	NOZZLE AS	3618105700	NOZZLE TOP + NOZZLE UNDER	1	
A06	SCREW TAPPING	NO DISPONIBLE	T2S TRS 4X14 MFZN	1	
A07	HOSE WATER SUPPLY	3613268900	EPDM ID=9.5 OD=14.5 L=215	2(1)	COLD(HOT)
A08	CLAMP HOSE	3611205800	ID=13.8 W=10.0 0.9T	4(2)	COLD(HOT)
A09	VALVE INLET	3615414910	220-240V 2-WAY NYLON/BACKET VDE	1	COMPATIBLE: ☐ 3615416820
A10	SCREW TAPTITE	NO DISPONIBLE	TT3 TRS 4X8 MFZN	2	

■ PANEL FRONT AS



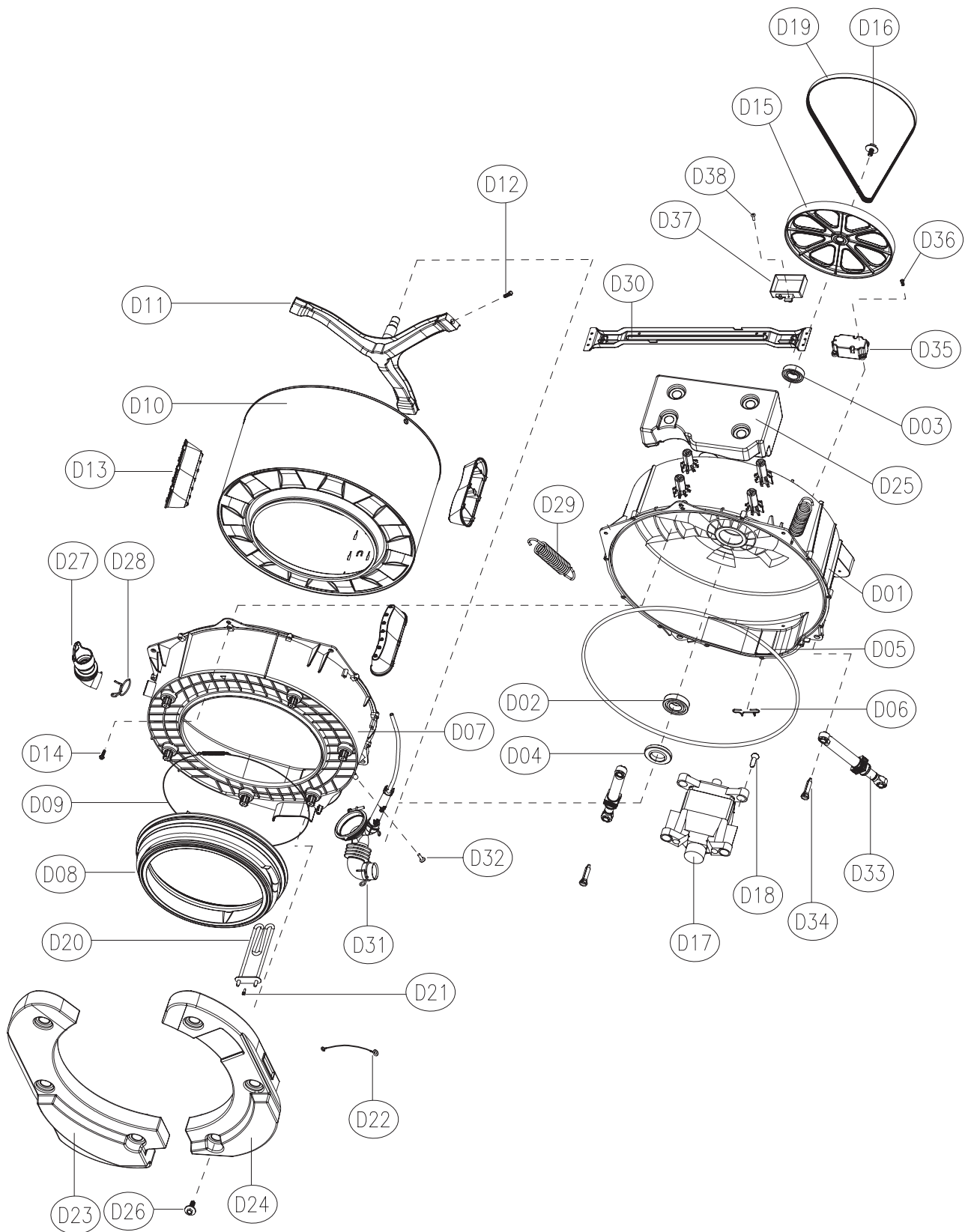
No.	PART NAME	PART CODE	SPECIFICATION	Q'TY	REMARK
B01	PANEL F	36142T1D00	HIPS	1	D-MU1031
B02	BUTTON SELECT	3616640100	HIPS	1	D-MU1031
B03	BUTTON RES	3616640000	HIPS	1	D-MU1031
B04	WINDOW LED	NO DISPONIBLE	ABS	1	D-MU1031
B05	WINDOW DISPLAY	NO DISPONIBLE	ABS	1	D-MU1031
B06	KNOB DIAL AS	3613408000	KNOB OUT,IN+DECO+SHAFT	1	D-MU1031
B07	PCB AS	PRPSSWC022	PCB OPTION AS (COLD&BB)	1	D-MU1031
B08	LED 18:88	NO DISPONIBLE	LED 18:88	1	D-MU1031
B09	SCREW TAPPING	NO DISPONIBLE	T2S TRS 4x16 MFZN	6	D-MU1031
B10	SCREW TAPPING	NO DISPONIBLE	T2S TRS 4x16 SUS 430	2	D-MU1031

■ CABINET FRONT AS



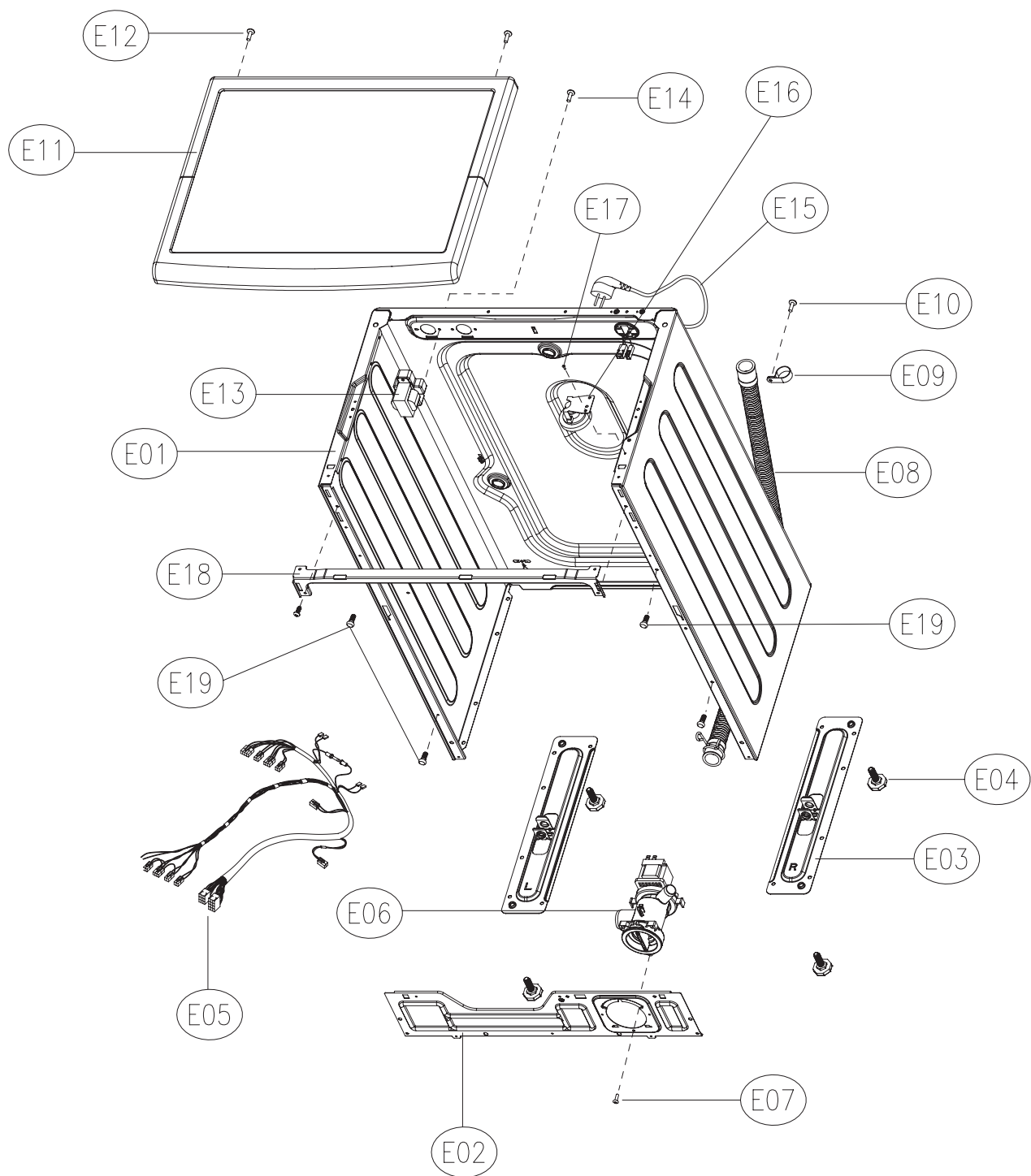
No.	PART NAME	PART CODE	SPECIFICATION	Q'TY	REMARK
C01	CABINET F AS	NO DISPONIBLE	PAINTING T=0.7	1	
C02	NUT HEX	NO DISPONIBLE	NUT FLANGE M5X0.8P MFZN	2	
C03	SCREW TAPPING	NO DISPONIBLE	STS430 F/L BOLT(SE) 5*12	2	
C04	CAP HINGE DOOR	NO DISPONIBLE	POM	2	
C05	HINGE DOOR	3612903700	ALDC	1	
C06	FRAME DOOR I	3612208700	PP	1	
C07	HANDLE DOOR	3612610800	ABS	1	
C08	HOOK DOOR	3613101200	POM	1	
C09	SPRING HOOK	3615114600	SUS D1.4	1	
C10	PIN HANDLE	3618200200	SUS304, D3, L48	1	
C11	DOOR GLASS	361A110700	GLASS PI300	1	
C12	FRAME DOOR O	3612208600	HIPS	1	
C13	SCREW TAPPING	NO DISPONIBLE	T1 FLT 4X16 SUS	7	
C14	SWITCH DOOR LOCK	3619047100	DL-LC.BITRON_3P.250V16A.BI-METAL	1	
C15	SCREW TAPPING	NO DISPONIBLE	T2S TRS 4X12 SUS	2	
C16	CLAMP DOOR AS	3611204810	HSW3, D1.4	1	
C17	COVER PUMP	3611428500	HIPS	1	
C18	SCREW TAPPING	NO DISPONIBLE	TTS"S" HEX F/L 4*8	4	

■ TUB AS



No.	PART NAME	PART CODE	SPECIFICATION	Q'TY	REMARK
D01	TUB REAR AS	3618829901	TUB REAR(FRPP) + BEARING HOUSING(ALDC)	1	
D02	BEARING INNER	3616304700	6205ZZ SHENS	1	
D03	BEARING OUTER	3616304800	6204ZZ SHENS	1	
D04	WATER SEAL	361A600300	NBR	1	
D05	GASKET TUB	3612324100	PI=4.5, L=1650, EPDM	1	
D06	FIXTURE HEATER	3612009400	SUS, PI=2	1	
D07	TUB FRONT	3618829600	FRPP	1	
D08	GASKET	3612323500	EPDM	1	
D09	CLAMP GASKET AS	3611204500	HSW3	1	
D10	DRUM SUB AS	3617010400	SUS T=0.4	1	
D11	SPIDER AS	361A301000	SPIDER(ALDC-8) + SHAFT(SM45C)	1	
D12	SPECIAL BOLT	NO DISPONIBLE	STS430 M6*21 SI-LOCK	3	
D13	LIFTER WASH	361A401110	NANO	3	
D14	SPECIAL SCREW(TUB)	NO DISPONIBLE	SWRCH18A 5.6*30	12	
D15	PULLEY	3618433210	PA6+GF30%, SERRATION	1	
D16	SPECIAL BOLT AS(PULLEY)	NO DISPONIBLE	SWRCH10A M8*22 PW SI-LOCK	1	
D17	UNIT MOTOR UNIVERSAL	36189L5H10	SOYEA 2POLES 38T	1	
D18	SPECIAL SCREW(MOTOR)	NO DISPONIBLE	SWRCH18A 7.4*25.5	2	
D19	BELT V	3616591300	GATES 3PJ1134 BUTADIENE RUBBER	1	
D20	HEATER WASH	3612802460	220V~240V 1.8KW IRCA	1	D-MU1031
D21	THERMISTOR WASH	361AAAAB10	R25=1.704KΩ R80=11.981KΩ	1	
D22	HARNESS EARTH	NO DISPONIBLE	L=180	1	
D23	BALANCER WEIGHT L	NO DISPONIBLE	PP, INSERT 6.5KG	1	D-MU1031
D24	BALANCER WEIGHT R	NO DISPONIBLE	PP, INSERT 5KG	1	D-MU1031
D25	BALANCER WEIGHT TOP	NO DISPONIBLE	PP, INSERT 6.5KG	1	D-MU1031
D26	SPECIAL SCREW(BALANCER)	NO DISPONIBLE	SWRCH18A 8*31 PW	6	
D27	HOSE INLET	3613271600	EPDM	1	
D28	CLAMP HOSE I	3611201400	HSW3, D=2.6, MFZN D=38	1	
D29	SPRING SUSPENSION	3615116100	K=0.39, L=125	2	
D30	FRAME TOP	NO DISPONIBLE	SGCC T=1.2		
D31	HOSE DRAIN AS	3613272300	HOSE DRAIN(EPDM) + AIR TRAP(PP) + HOSE AIR(ID=4.0, OD=8, L=560, EPDM) + CLAMP AS(ID=81, CIMA) + CLAMP HOSE(D=26) + CLAMP HOSE I(D=38)	1	
D32	SCREW TAPPING	NO DISPONIBLE	T2S TRS 4X14 MFZN	1	
D33	DAMPER FRICTION	361A700110	70N AKS	2	
D34	DAMPER PIN	361A700200	AKS D=14.5	2	
D35	UNIT BUBBLE PUMP AS	36189L4172	220-240V RP CHUSHION=760	1	
D36	SPECIAL SCREW(BUBBLE)	NO DISPONIBLE	T2S TRS 4X10+24	2	
D37	EMI FILTER(K27)	3611908740	0.22UF	1	
D38	SCREW TAPPING	NO DISPONIBLE	T2S TRS 4X14 MFZN	1	

CABINET AS



No.	PART NAME	PART CODE	SPECIFICATION	Q'TY	REMARK
E01	CABINET	NO DISPONIBLE	SGCC(GI) T=0.7 PCM	1	
			SGCC(GI) T=0.7 PAINTING		
E02	FRAME LOWER	NO DISPONIBLE	SGCC T=0.8	1	
E03	BASE U L	NO DISPONIBLE	SGCC T=1.6	1	
	BASE U R	NO DISPONIBLE	SGCC T=1.6	1	
E04	LEG ADJUST AS	3617703800	FOOT(BUTYL)+SPECIAL NUT(SCP1) +SPECIAL BOLT(10x1.25, 51MM)	4	
E05	HARNESS AS	NO DISPONIBLE	COLD+HOT, BB	1	
			COLD+HOT, NON-BB		
			COLD, NON-BB, NON-REACTOR		
			COLD, BB, NON-REACTOR		
			COLD, NON-BB, REACTOR		
			COLD, BB, REACTOR		
E06	UNIT DRAIN PUMP AS	36189L5K10	220-240V, 50Hz, 30W, AL, NO-HOLE	1	
E07	SCREW TAPPING	NO DISPONIBLE	T1 TRS 4*12 MFZN	1	
E08	HOSE DRAIN O AS	3613268520	L=1800, STRAIGHT TYPE, CLAMP PI=27	1	
E09	CLAMP HOSE	NO DISPONIBLE	NYLON, DA-18N	1	
E10	SCREW TAPPING	NO DISPONIBLE	T2S TRS 4X14 MFZN	1	
E11	PLATE T AS	3614540700	HIPS	1	
E12	SCREW TAPPING	NO DISPONIBLE	T2S TRS 4X14 MFZN	2	
E13	REACTOR AS	3615800100	REACTOR(RT-046B)+BRACKET REACTOR(PP) +SCREW TAPPING(T2S TRS 4x14 MFZN)	1	
E14	SCREW TAPPING	NO DISPONIBLE	T2S TRS 4x14 MFZN	2	
E15	CORD POWER AS	NO DISPONIBLE	EU-2PIN H05VV-F 1.0SQ 250V 16A 1.4M	1	
E16	SENSOR PRESSURE	3614825310	5V DL-DW12 INLET 180°	1	
E17	SCREW TAPPING	NO DISPONIBLE	T2S TRS 4x14 MFZN	1	
E18	FRAME UPPER	NO DISPONIBLE	GI 1.2T	1	D-MU1031
E19	SCREW TAPPING	NO DISPONIBLE	T2S 4x14 MFZN	4	D-MU1031
E20	SPECIAL BOLT	NO DISPONIBLE	M4*12.5 MACHINE DWD-100DR	4	D-MU1031

8. FUNCTION OF THE CONVENIENT SERVICE

■ The test mode of the load movement

You can check the PCB ASS'Y and the condition of each load movement simply.

• The method to test the load movement

- ① Plug the power cord.
- ② Turn the program selector to the program 1.
(The indicator light of the Start/Hold button is on but not twinkles. If the indicator is twinkles, press the Start/Hold button and turn the program selector to the off.)
- ③ Press the Rinse+ button 3times while press the Intensive wash button.
- ④ Whenever the Rinse hold button is pressed, each load movement is occurred as follows;
Door lock close → Hot valve on → Cold valve on → Pre wash valve on → Bubble pump on → Drain pump on

9. TROUBLESHOOTING GUIDE

This washer is equipped with automatic safety function which detects and diagnoses faults at an early stage and copes properly.

When the washer does not operate properly, check the following points.

■ Simply Check Guide

Problem	Cause	Solution
Program dose not start.	Plug is loose or not plugged in.	Insert plug tightly.
	Power failure.	An interrupted program will be resumed when the power return.
	Loading door is not closed.	Check whether laundry is trapped in door. Close the loading door. (a click should be heard)
	Program is not selected.	Select the desired program.
	Start/hold button is not pressed.	Press the Start/hold button.
Water dose not enter the washing machine.	Water tap is not turned on.	Turn the water tap on.
	Inlet hose is kinked or folded.	Straighten the inlet hose.
	Filters is blocked in water inlet filter.	Clean the water inlet filter.
Washing machine is not drain.	Drain hose is kinked or clogged.	Straighten and clean the drain hose.
	Pump filter is clogged.	Clean the pump filter
Washing machine is not spin.	The amount of laundry is too small.	Add the laundry to balance. And repeat the Spin cycle.
	The laundry is unbalanced.	Rearrange the laundry. And repeat the Spin cycle. If articles of heavy clothing (e.g. bath robe) are loaded, washing machine may skip or stop the spin cycle.
Spin result is unsatisfactory.	Drain hose is placed over 1m above the floor.	Place the drain hose under 1m above the floor.
Foam come out of the detergent case.	Too much detergent or unsuitable detergent used.	Repeat the Rinse cycle.
Serious noise and vibration	Transit bolts are not removed.	Remove the transit bolts
	Washing machine is installed on uneven floor.	Reinstall washing machine on even floor.
	Washing machine is not leveled.	Adjust the level of washing machine using adjustable legs.

■ DISPLAY ERROR MESSAGE

MESSAGE	ERROR	CAUSE	SOLUTION
IE	WATER INLET ERROR	The water tap is closed.	Open the water tap.
		The filter of the valve inlet is clogged.	Clean the filter of the valve inlet.
		The valve inlet is an inferior product or broke down.	Change the valve inlet.
		The water level sensor (sensor pressure) is an inferior product or broke down.	Change the water level sensor (sensor pressure).
		The drain motor works during water supply.	Change the drain motor.
		The PCB ASS'Y does not check the water level.	Change the PCB ASS'Y.
OE	DRAIN ERROR	The drain hose is kinked or clogged.	Clean and straighten the drain hose.
		The drain motor is an inferior product.	Change the drain motor.
		The valve inlet works during drain.	Change the valve inlet
		The water level sensor is an inferior product.	Change the water level sensor.
		The PCB ASS'Y does not check the water level.	Change the PCB ASS'Y.
UE	UNBALANCE ERROR	The laundry is concentrated to one side of the drum during spin.	Rearrange the laundry.
LE	DOOR OPEN ERROR	The Start/Hold button is pressed while the door is opened.	Close the door.
		The switch door lock is an inferior product.	Change the switch door lock.
		The PCB ASS'Y does not check the door lock.	Change the PCB ASS'Y.

MESSAGE	ERROR	CAUSE	SOLUTION
E2	OVERFLOW ERROR	The water is supplied continuously due to an inferior valve inlet.	Change the valve inlet.
		The valve inlet is normal, but the water level sensor (sensor pressure) is inferior.	Change the water level sensor (sensor pressure).
		The drain motor dose not work. (The drain motor is an inferior product or broke down.)	Change the drain motor.
E4	LEAKAGE ERROR	Water leaks from the tub or the hose drain.	Check the leak of the tub or the hose drain. Then change the tub or the hose drain.
E7	DIRECTION ERROR	The motor spins into an opposite direction.	Change the PCB ASS'Y or the motor.
		The motor hall IC is an inferior product or broke down.	Change the motor hall IC or the motor.
E8	MOTOR ERROR	The motor is not normally connected.	Check the connector of the motor.
		The motor does not work. (The motor is an inferior product or broke down.)	Change the motor.
E9	SENSOR PRESSURE ERROR	The water level sensor is an inferior product.	Change the water level sensor.
H2	THERMISTOR WASH ERROR	The thermistor wash is an inferior product or broke down.	Change the thermistor wash.
		The thermistor wash is not connected normally.	Check the connector of the thermistor wash.
H4	THERMISTOR WASH OVERHEATING ERROR	The heater worked without the water in the tub.	Check the water level.
		The thermistor wash is an inferior product or broke down.	Change the thermistor wash.
H5	WATER TEMP. ERROR	The water temp. is over 45°C in delicate & wool course. (The thermistor wash is an inferior product or broke down.)	Change the thermistor wash.
H6	HEATER WASH ERROR	The heater wash dose not work. (The water temp. doesn't rise over 2°C during 15min.)	Change the heater wash.
H8	HEATER WASH OVERHEATING ERROR	The heater worked without the water in the tub.	Check the water level and the heater wash.
PFE	PUMP FILTER ERROR	The drain pump filter is clogged.	Clean the drain pump filter.
		The drain pump does not work during spin.	Change the drain pump.
		The large amount of detergent was used.	Use the proper amount of detergent.
		The drain hose is placed higher than 1m above the floor.	Place the drain hose 1m below the floor

10. WIRING DIAGRAM

