

Service Manual

Washing Machine

Model:

DWD-F1041S/F1042S/F1241S/F1242S

✓ 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>).

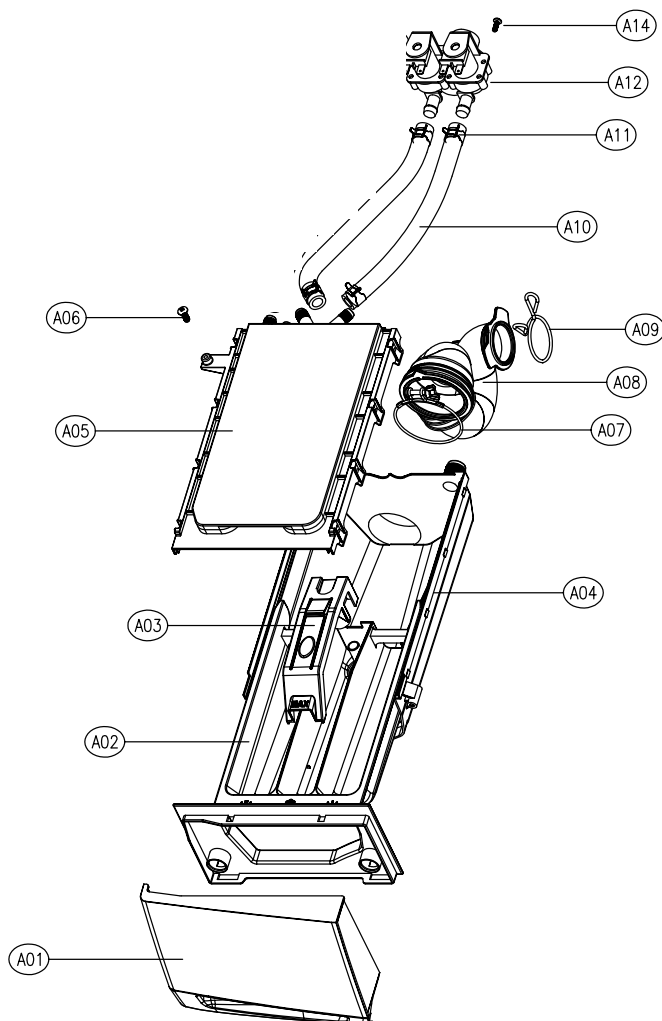
DAEWOO ELECTRONICS CORP.

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

Apr. 2008

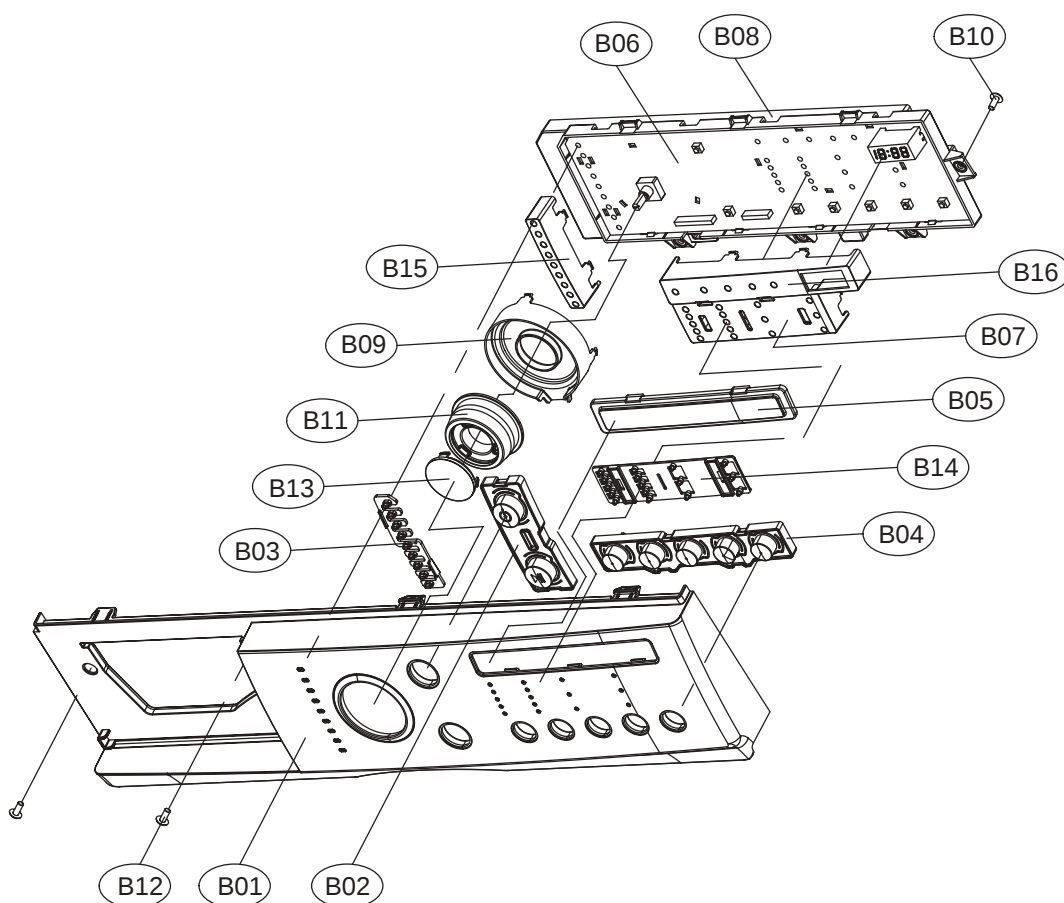
5. EXPLODE VIEW AND PARTS LIST

■ BOX INLET AS



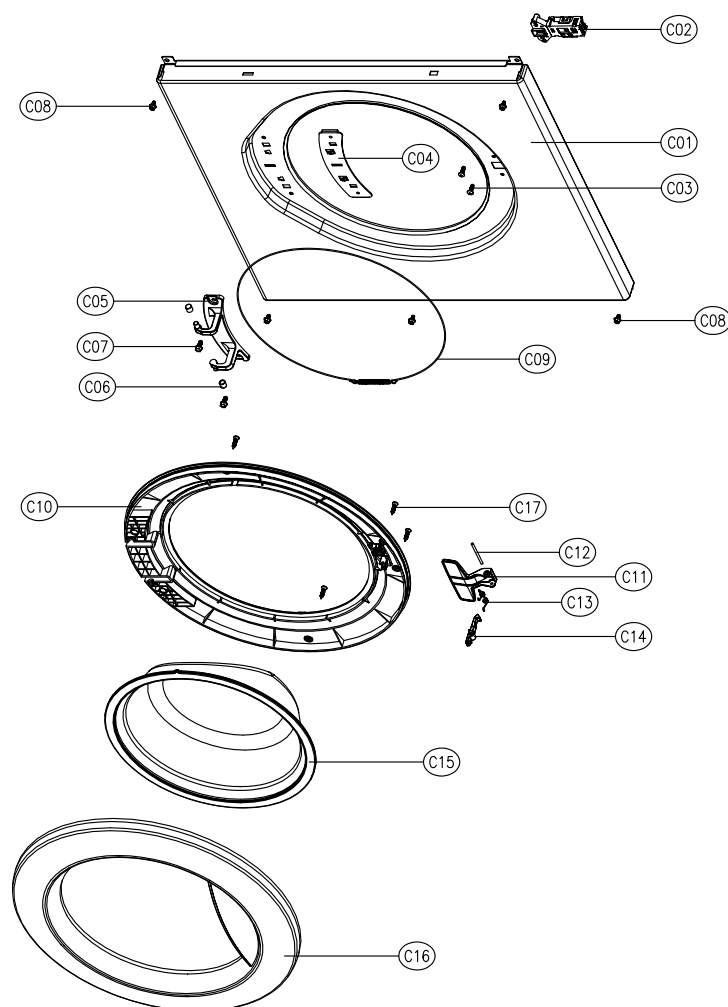
No.	PART NAME	PART CODE	SPECIFICATION	Q'TY	REMARK
A01	HANDLE CASE	PEDIR CASE DETERGENT AS: 3611148200		1	A01 + A02 + A03 = □ CASE DETERGENT □ AS: 3611148200
A02	CASE DETERGENT	PEDIR CASE DETERGENT AS: 3611148200		1	
A03	CAP SOFTENER	3610916600	PP	1	
A04	BOX INLET	3610526500	PP	1	
A05	NOZZLE AS	3618103510	NOZZLE TOP + NOZZLE UNDER	1	COLD ONLY
A06	SCREW TAPPING	NO DISPONIBLE	T2S TRS 4X20 MFZN	1	
A07	CLAMP AS	3611203200	ID=60,WIRE+GUIDE+BOLT+NUT	1	
A08	HOSE INLET	3613267200	EPDM U-TRAP	1	
A09	CLAMP HOSE I	3611201400	HSW3, D2.6, MFZN, ID=38	1	
A10	HOSE WATER SUPPLY	3613268900	EPDM,ID=9.5,OD=14.5,L=225	2(1)	COLD(HOT)
A11	CLAMP HOSE	3611205800	ID=13.8, W=10.0, T=0.9	4(2)	COLD(HOT)
A12	VALVE INLET	3615414910	220~240V 2WAY PP VDE	1	COMPATIBLE: □ 3615416820
A14	SCREW TAPTITE	NO DISPONIBLE	TT3 TRS 4X8 MFZN	2(2)	COLD(HOT)

■ PANEL FRONT AS (DWD-FU1X4X SERIES)



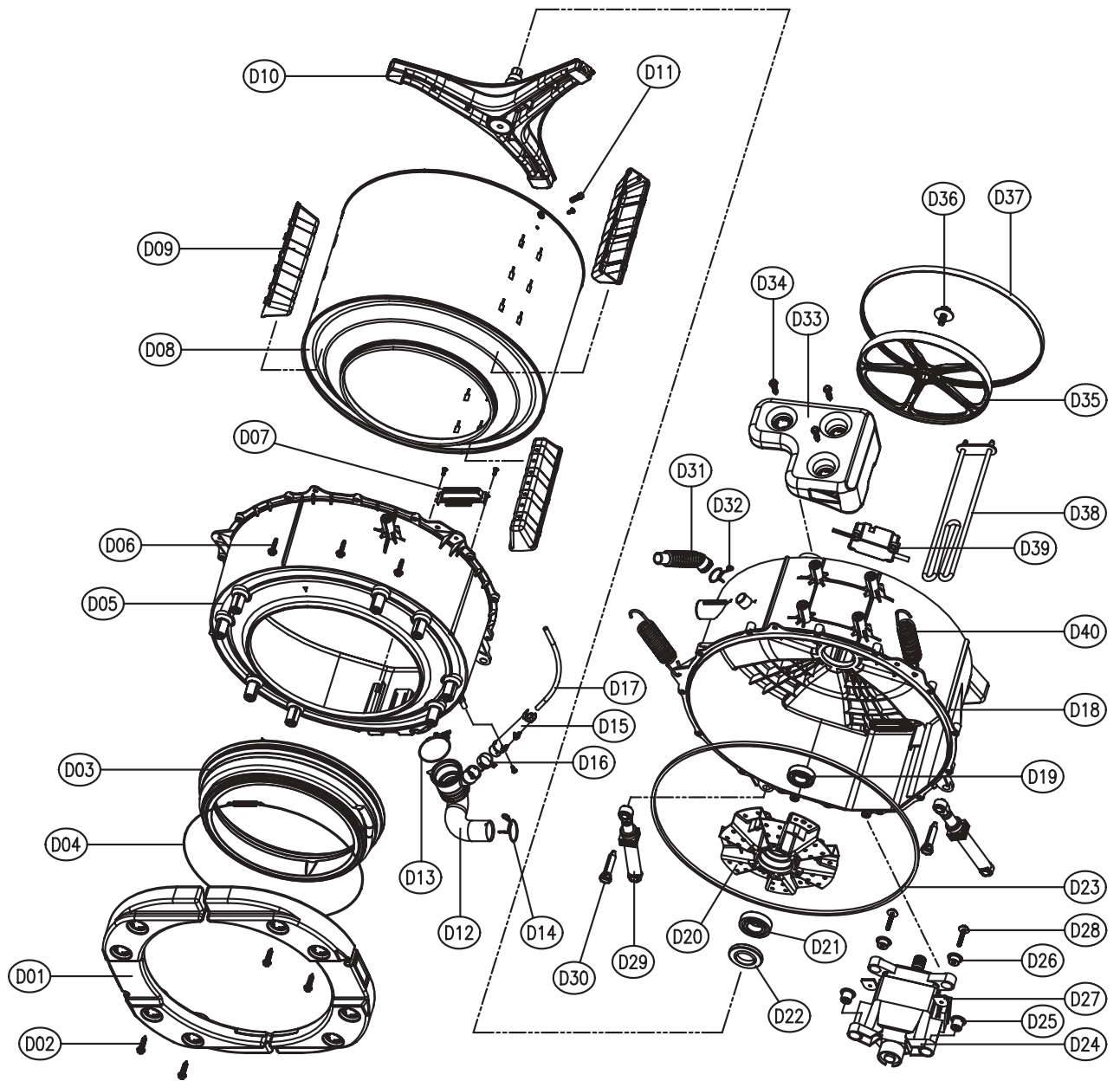
No.	PART NAME	PART CODE	SPECIFICATION	Q'TY	REMARK
B01	PANEL F	PEDIR PANEL ☐ COMPLETO	ABS	1	PANEL COMPLETO: ☐ PRPAFR6W01
B02	BUTTON POWER	PEDIR PANEL ☐ COMPLETO	ABS + SPRAY	1	
B03	WINDOW COURSE	NO DISPONIBLE	ABS	1	
B04	BUTTON SELECTION	PEDIR PANEL ☐ COMPLETO	ABS + SPRAY	1	
B05	WINDOW DISPLAY	INTEGRADO EN PIEZA B06 PLACA COMPLETA: PRPSSWB214	ABS	1	
B06	PCB AS	PRPSSWB214	ABS + SPRAY	1	
B07	HOLDER LED SELECTION	INTEGRADO EN PIEZA B06 PLACA COMPLETA: PRPSSWB214	DWD-F1X4X SERIES	1	
B08	CASE PCB	INTEGRADO EN PIEZA B06 PLACA COMPLETA: PRPSSWB214		1	
B09	HOLDER DIAL	INTEGRADO EN PIEZA B06 PLACA COMPLETA: PRPSSWB214		1	
B10	SCREW TAPPING	NO DISPONIBLE	ABS-TR	4	
B11	KNOB DIAL OUTER	3613406600	T2S TRS 4x16 MFZN	1	
B12	SCREW TAPPING	3613406610	ABS	1	
B13	KNOB DIAL INNER	NO DISPONIBLE	ABS + SPRAY	2	
B14	WINDOW SELECTION	NO DISPONIBLE	T2S TRS 4x16 SUS	1	
B15	HOLDER LED COURSE	PEDIR PANEL ☐ COMPLETO	ABS	1	
B16	DECORATOR WINDOW	NO DISPONIBLE	ABS + SPRAY	1	

CABINET FRONT AS



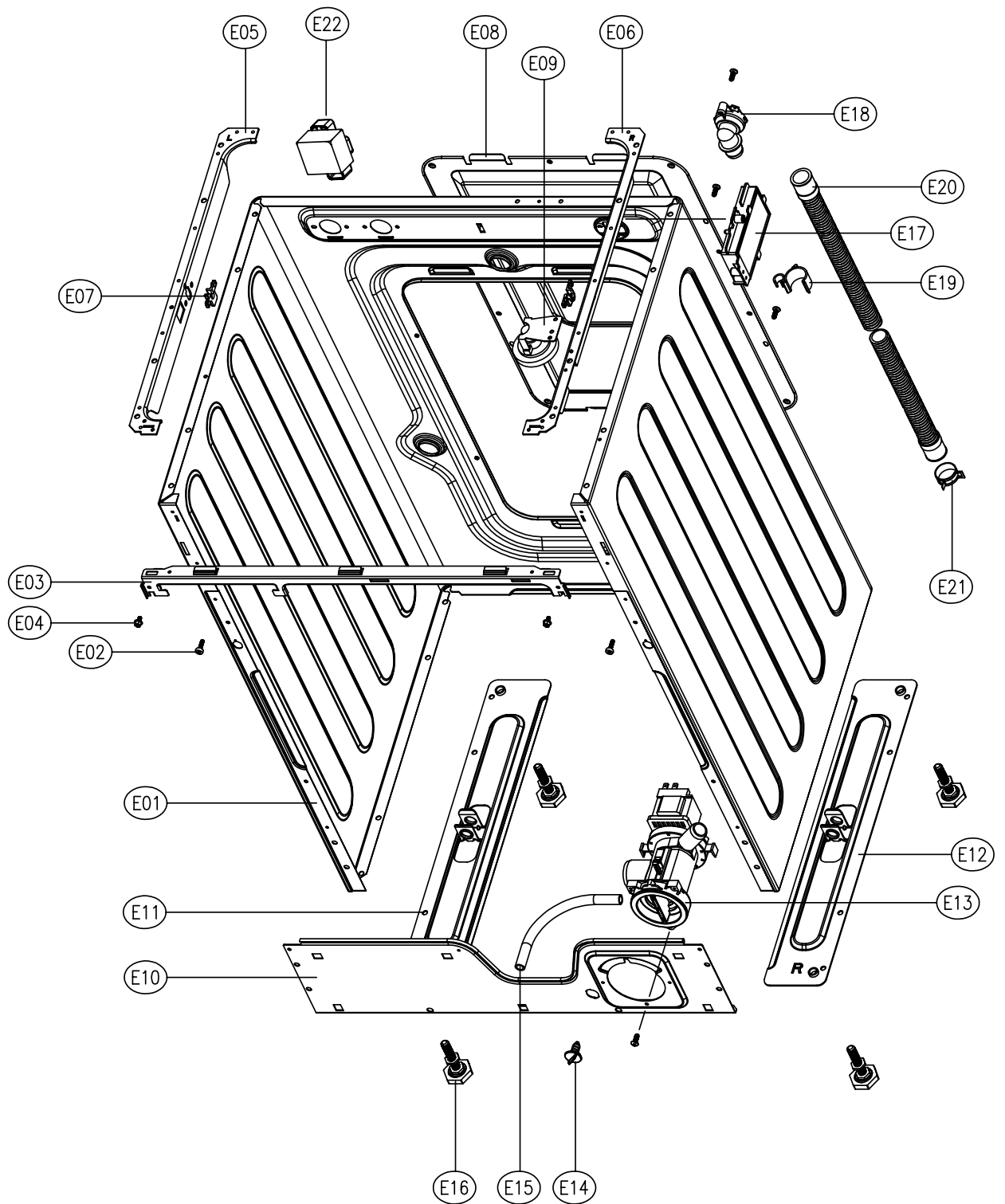
No.	PART NAME	PART CODE	SPECIFICATION	Q'TY	REMARK
C01	CABINET FRONT	NO DISPONIBLE	PCM, SGCC 0.8T, SILVER SECD 0.7T	1	DWD-F1XX3
C02	SWITCH DOOR LOCK	3619046800	COMPATIBLE: 3619047100	1	
C03	SCREW TAPPING	NO DISPONIBLE	T2S TRS 4X12 SUS	2	
C04	PLATE HINGE SUPPORT	NO DISPONIBLE	SGCC T1.6	1	
C05	HINGE DOOR	3612902800	ZNDC	1	
C06	CAP HINGE DOOR	NO DISPONIBLE	POM	2	
C07	SCREW TAPPING	NO DISPONIBLE	F/L BOLT(SE) 5*12 SUS	2	
C08	SCREW TAPPING	NO DISPONIBLE	TTS"S" HEX F/L 4*8	6	
C09	CLAMP DOOR AS	3611204800	HSWR D=1.4	1	
C10	FRAME DOOR I	3612205200	PP	1	
C11	HANDLE DOOR	3612608600	ABS	1	
C12	PIN HANDLE	3618200200	SUS304, D3, L48	1	
C13	SPRING HOOK	3615114600	SUS D1.4	1	
C14	HOOK DOOR	3613100700	ZNDC	1	
C15	DOOR GLASS	361A110700	GLASS PI300	1	
C16	FRAME DOOR O	3612205100	BLANCO	1	DWD-F1XX1
		3612205101	CROMADO		DWD-F1XX2
C17	SCREW TAPPING	NO DISPONIBLE	T1S FLT 4*20 SUS	6	

■ TUB ASS'Y



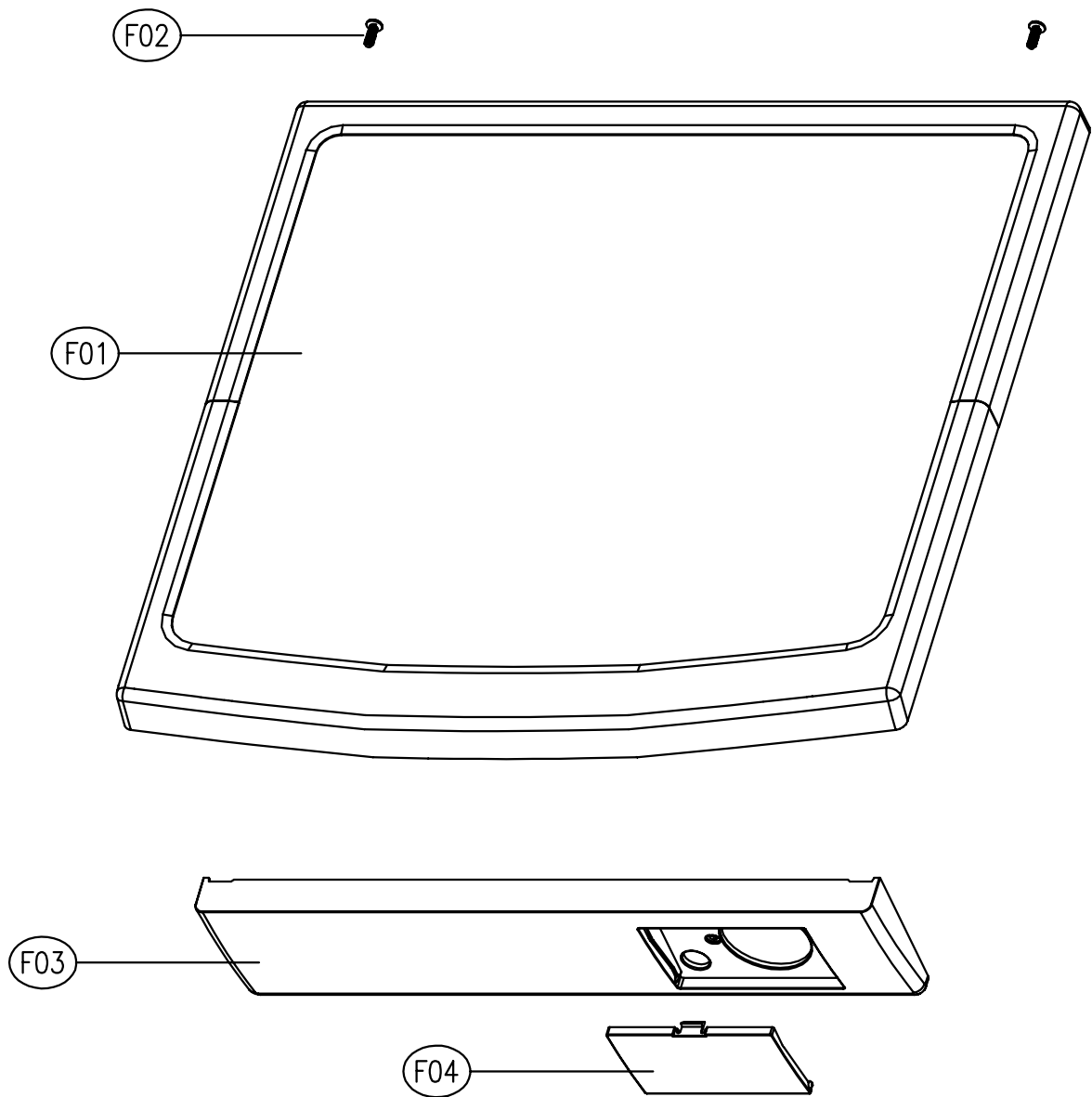
No.	PART NAME	PART CODE	SPECIFICATION	Q'TY	REMARK
D01	BALANCER WEIGHT F L/R	NO DISPONIBLE	FRONT, 6.0kg	2	
D02	SPECIAL SCREW(BALANCER)	3616029400	SWCH 8.5X30	8	
D03	GASKET	3612321400	EPDM	1	
D04	CLAMP GASKET AS	3611204500	HSWR D=1.8	1	
D05	TUB FRONT	3618821000	FRPP FH7300GM	1	
D06	SPECIAL SCREW(TUB)	NO DISPONIBLE	SWCH 6.5X30	14	
D07	FIXTURE HEATER	3612007300	SUS 0.7T 440x45	1	
D08	DRUM SUB AS	3617004000	SUS 0.5T	1	
D09	LIFTER WASH	361A400400	PP	3	
D10	SPIDER AS	361A300500	ALDC+SM45C	1	
D11	SPECIAL SCREW(SPIDER)	NO DISPONIBLE	SUS430 8x25	3	
D12	HOSE DRAIN	3613267300	EPDM	1	
D13	CLAMP AS	3611203200	ID=60,WIRE+GUIDE+BOLT+NUT	1	
D14	CLAMP HOSE I	3611201400	HSW3, D2.6, MFZN, D=38	1	
D15	AIR TRAP	361A500100	PP	1	
D16	CLAMP HOSE	3611204700	D27	1	
D17	HOSE AIR	3613268600	ID=4, OD=8, L=700	1	
D18	TUB REAR	3618821100	COMPATIBLE: 36100E2U00	1	
D19	BEARING OUTER	3616303200	6205Z FAG	1	
D20	BEARING HOUSING	NO DISPONIBLE	ALDC	1	
D21	BEARING INNER	3616303100	6206Z FAG	1	
D22	WATER SEAL	361A600100	NBR	1	
D23	GASKET TUB	3612321600	EPDM L=1675	1	
D24	UNIT MOTOR UNIVERSAL	36189L4H00	220VDC50HZ 2POLES PI340	1	
D25	CUSHION MOTOR FIX(A)	NO DISPONIBLE	BUTYLE	2	
D26	CUSHION MOTOR FIX(B)	NO DISPONIBLE	BUTYLE	2	
D27	SPECIAL WASHER	NO DISPONIBLE	T=4.0 M6	2	
D28	SPECIAL BOLT	NO DISPONIBLE	M6x43, SPRING+PLATE WASER	2	
D29	DAMPER FRICTION	361A700120	120N, AKS, ST=170-160, DL=197.5	2	
D30	DAMPER PIN	361A700200	COMPATIBLE: 361A700210	2	
D31	HOSE VENT	3613267100	EPDM	1	
D32	CLAMP HOSE	3611204700	D27	1	
D33	BALANCER WEIGHT T	NO DISPONIBLE	TOP, 6.0kg	1	
D34	SPECIAL SCREW(BALANCER)	3616029400	SWCH 8.5x30	3	
D35	PULLEY	3618433200	ALDC	1	
D36	SPECIAL BOLT AS	3616029600	SWCH M10xL30, F/L BOLT	1	
D37	BELT V	3616591100	MEGADTNE 5RIB, POLYURETHANE	1	
D38	HEATER WASH	3612802400	230V 2KW.1R0A721002.RW8TF.I	1	
D39	UNIT BUBBLE PUMP	36189L4120	220-240V DBK-204DB	1	OPTION
D40	SPRING SUSPENSION	3615114500	D3.2, L158	2	

■ CABINET AS



No.	PART NAME	PART CODE	SPECIFICATION	Q'TY	REMARK
E01	CABINET	NO DISPONIBLE	SGCC, T0.8, PAINTING	1	
E02	SPECIAL SCREW	NO DISPONIBLE	M4x12.5, MACHINE	2	
E03	FRAME UPPER	NO DISPONIBLE	SGCC T1.2 55X580	1	
E04	SCREW TAPPING	NO DISPONIBLE	TTS"S" HEX F/L 4X8	4	
E05	FRAME TOP-L	NO DISPONIBLE	SGCC T1.6 52x500	1	
E06	FRAME TOP-R	NO DISPONIBLE	SGCC T1.6 52x500	1	
E07	STOPPER SPRING	3615202200	POM	2	
E08	COVER BACK AS	3611425520	SGCC 0.35T + EPDM 2T	1	
E09	SENSOR PRESSURE	3614825300	5V DRUM DL-DW11 INLET 90	1	
E10	FRAME LOWER	NO DISPONIBLE	SGCC T1.2 160X580	1	
E11	BASE U-L	3610392200	SGCC T1.6 100x500	1	
E12	BASE U-R	3610392300	SGCC T1.6 100x500	1	
E13	UNIT DRAIN PUMP AS	36189L4F10	220-240V/50Hz B20-6 DRUM	1	
E14	CAP WATER REMAIN	3610916800	PP	1	
E15	HOSE WATER REMAIN	3613268700	EPDM, ID8.5, L200	1	
E16	LEG ADJUST AS	3617703800	MFZN M10x1.25 + BUTYLE	4	
E17	EMI FILTER	3611908600	NOISE FILTER(TRIAC TYPE)	1	
E18	CUFF DRAIN HOSE	NO DISPONIBLE	PP	1	
E19	GUIDE DRAIN HOSE	NO DISPONIBLE	PP	1	
E20	HOSE DRAIN I AS	3613268400	L=870	1	
E21	CLAMP HOSE	3611204700	D27	1	
E22	REACTOR AS	3615800100		1	OPTION

■ PLATE T AS + PANEL LOWER AS



No.	PART NAME	PART CODE	SPECIFICATION	Q'TY	REMARK
F01	PLATE T AS	3614533300	HIPS, MFC, WH	1	DWD-F1X31(2) DWD-F1X41(2)
F02	SCREW TAPPING	NO DISPONIBLE	T2S TRS 4X14 MFZN	2	
F03	PANEL LOWER	3614282800	HIPS	1	
F04	COVER PUMP FILTER	3611425800	HIPS	1	

8. FUNCTION OF THE CONVENIENT SERVICE

■ The test mode of the operation

You can check the PCB AS and the operation of the washing machine simply.

• The method to test and operate

- ① Press the Power button.
- ② Press the Option button 3 times while press the Temp button.

At this time, the version is displayed on the Custom LED

- ③ Whenever the Time Delay button is pressed, the washing machine is operated as following.

L_C (Lock Switch Close) → run/OO (The number of running times)
→ E5/OO → E6/OO → E7/OO → E8/OO (The number of the error occurrence)
→ H (Hot Valve) → C (Cold Valve) → P (Pre-Wash Valve)
→ bb (Bubble) → dr (Drain Pump)
→ C:H or C:- (Cold & Hot Option)
→ nPC or PC or etc. (PCB Option) → L_O (Lock Switch Open)
→ L_C → ... (repetition)

■ The check mode of the water level frequency

You can check the water level frequency of the current state and the frequency by the variation of the water level.

• The method to test and operate

- ① Press the Power button.
- ② Press the Time Delay button 3 times while press the Temp button and the Spin button.
- ③ The water level frequency of the current state displays on "18:88 LED".

At the same time, the cold valve is opened.

ex) **5 6 2** = 25.62kHz

: It display three number except the first number of 25.62kHz

- ④ Whenever the Temp button is pressed, the washing machine is operated as following.

Cold Valve Off (Initial state) → Cold Valve On
→ Cold Valve Off → Drain Motor On
→ Drain Motor Off
→ Initial state → Cold Valve On → ... (repetition)

■ The spinning test mode

You can continually spin the washing machine with constant speed.

• The method to test and operate

- ① Press the Power button.
- ② Press the Time Save button 3 times while press Temp button.
- ③ “300” displays on “18:88 LED”. 300 means the spinning rpm.
You can adjust the spinning rpm by pressing Spin button.
And this value increases by 50 up to 1300.
(300 → 350 → 400 → ... → 1150 → 1300 → 300 → 350 → ...)
- ④ When press Start button, the washing machine continually operates with given spinning rpm.

■ The durability test mode

You can repetitively operate the washing machine with one course.

• The method to test and operate

- ① Press the Power button.
- ② Press the Time Delay button 3 times while press Temp button.
- ③ “d3” displays on “18:88 LED”. You can select the course by using Program Dial, Temp button, Spin button, Option and Time Save button.
- ④ When press Start button, the washing machine repetitively operates with selected course.

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.
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 does 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.
E5	HIGH VOLTAGE ERROR	The laundry is jammed between the gasket and the drum.	Rearrange the laundry.
		The PCB ASS'Y is an inferior product.	Change the PCB ASS'Y.
E6	EMG ERROR	The laundry is jammed between the gasket and the drum.	Rearrange the laundry.
		The motor is an inferior product.	Change the motor.
		The PCB ASS'Y is an inferior product.	Change the PCB ASS'Y.
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.

MESSAGE	ERROR	CAUSE	SOLUTION
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.
lb	IGBT ERROR	The PCB ASS'Y is an inferior product.	Change the PCB ASS'Y.
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

