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1. SPECIFICATIONS

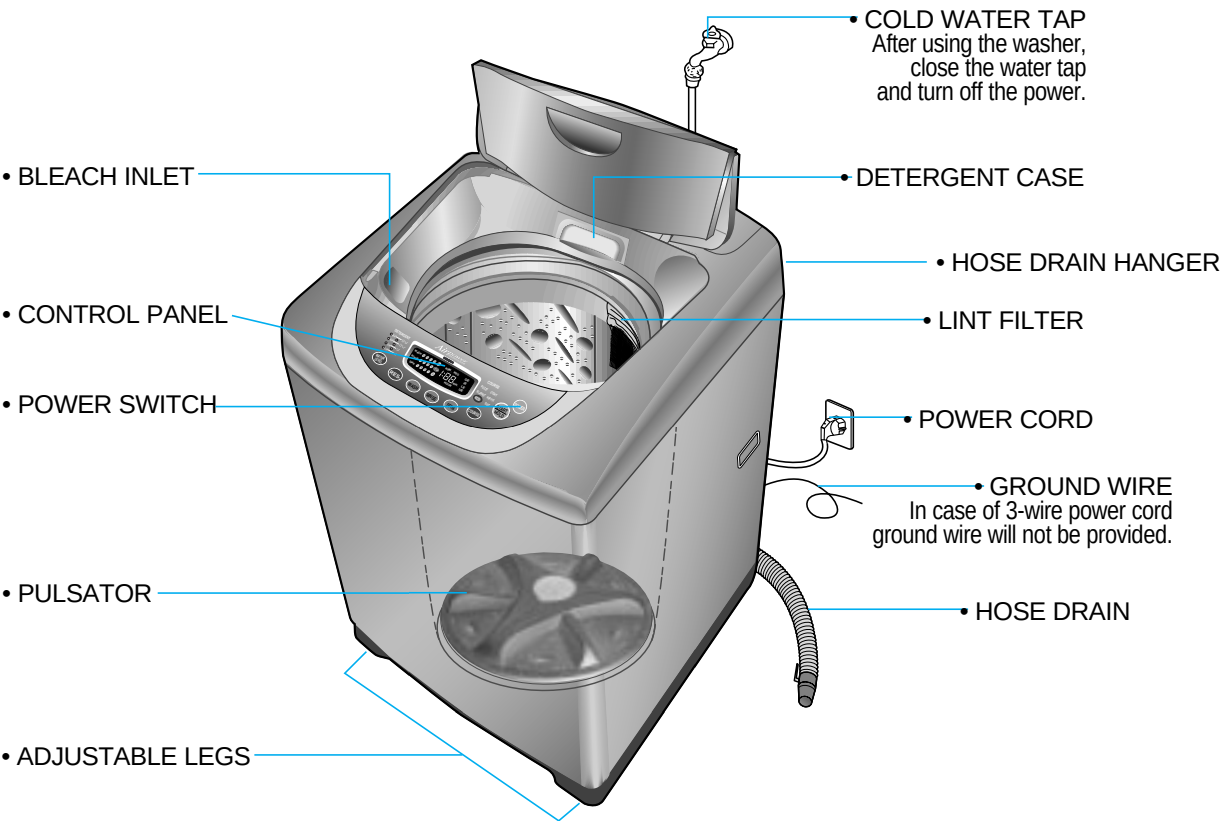
NO.	ITEM		TAW-A130RFD
1	POWER SOURCE		110V, 60HZ
2	POWER CONSUMPTION		600W
3	MACHINE WEIGHT		47Kg (GROSS: 50Kg)
4	DIMENSION(WXHXD)		630 X 1010 X 670
5	WASHING COURSE		FULL AUTOMATIC 6 COURSE (STANDARD/BLANKET/SUIT/ECONOMY/LIGHT/HEAVY)
6	WATER CONSUMPTION		NORMAL 270L
7	WATER LEVEL SELECTION	HIGH	103L
		●	94L
		MIDIUM	87L
		●	77L
		LOW	70L
		●	60L
		E.LOW	43L
8	OPERATING WATER PRESSURE		0.3~8kgf/cm ² (2.94N/cm ² ~78.4N/cm ²)
9	REVOLUTION PER MINUTE	WASH	125~140RPM
		SPIN	675~695RPM
		SUIT COURSE	WASH: 65
10	PULSATOR		6WINGS(Ø406mm)
11	WATER LEVEL CONTROL		ELECTRONICAL SENSOR
12	ANTI-NOISE PLATE		○ (OPTION)
13	GEAR MECHANISM		HELICAL GEAR
14	LINT FILTER		○
15	SOFTENER INLET		○
16	FUNCTION FOR SOAK WASH		○
17	ALARM SIGNAL		○
18	RESIDUAL TIME DISPLAY		○
19	AUTO. WATER SUPPLY		○
20	NEW WATER FLOW		WATER FLOW FOR ADJUST THE UNBALANCED LOAD
21	FUNCTION FOR BUBBLE AND RADICAL		○
22	AUTO RE-FEED WATER		○
23	AUTO POWER OFF		○

2. STRUCTURE OF THE WASHING MACHINE

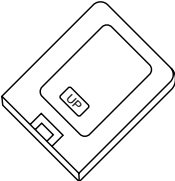
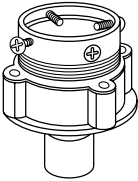
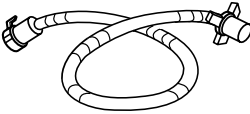
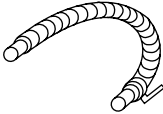
The parts and features of your washer are illustrated on this page.
Be come familiar with all parts and features before using your washer.

NOTE

- The drawing in this book may vary from, your washer model. They are designed to show the different features of all models covered by this book, Your model may not include all features.
- Page references are included next to same features.
Refer to those pages for more information about the features.



Accessories

COVER UNDER [OPTION]	WATER TAP ADAPTER	INLET HOSE	HOSE DRAIN O AS [NON-PUMP]
			

3. FUNCTIONS OF THE CONTROL PANEL

Control panel has micom sensor.

As the buttons are pressed, the lamps indicating the selection of your desired washing program will light up.



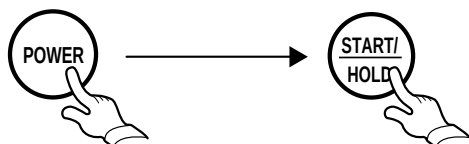
	• It can be used to adjust amount of water according to the size of the load to be washed. • As the button is pressed, water level is selected by MEDIUM → ● → HIGH → ● → E.LOW → ● → LOW → ● → MEDIUM
	• It can be used to pre-engage time for wash
	• It can be used to adjust washing time. • As the button is pressed, you will see the repeated. 6 → 10 → 14 → 18 → SOAK
	• This button selects the number of times you want to rinse. • As the button is pressed, it will repeat. • 1 time rinse → 1 time feed rinse → 2 times rinse → 2 times feed rinse → 3 times rinse → 3 times feed rinse → 4 times rinse → 4 times feed rinse. • In case of the pump model, there is no feed rinse or spray rinse selector function.
	• It can be used to change spin time. • As the button is pressed, it will repeat. 1 → 3 → 5 → 7 → 9.
	• It can be used to select the full-automatic course. • As the button is pressed, it will selected by following order: FUZZY → BLANKET → ECONOMY → LIGHT → HEAVY → SUIT
	• Press this switch to turn the power on or off. - After turning off the power. wait for more then 3seconds and then turn it on again.
	• Operation and temporary stop are repeated as they are pressed. • When you want to change course in operating; press the “START/HOLD” button → Select the course that you want to change → press the “START/HOLD” button again.
	• The lamps easily indicate the option selection of washing program and process by letters.

4. WASHING PROCEDURE AND COURSE SELECTION

■ Full Automatic Course

1. FUZZY COURSE (SENSOR);

- This selection is for general washing except extraordinary clothes.
- Artificial brain sensor selects properly the various kind of washing condition such as washing time, rinse times, spin time water level and washes well. If you want to soak, press the "WASH" button to adjust "SOAK" after the course selection. Procedure to press the button;



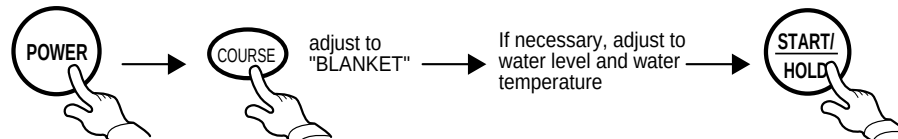
2. LIGHT COURSE

- This selection is effective for washing light or less dirty wash. Procedure to press the button;



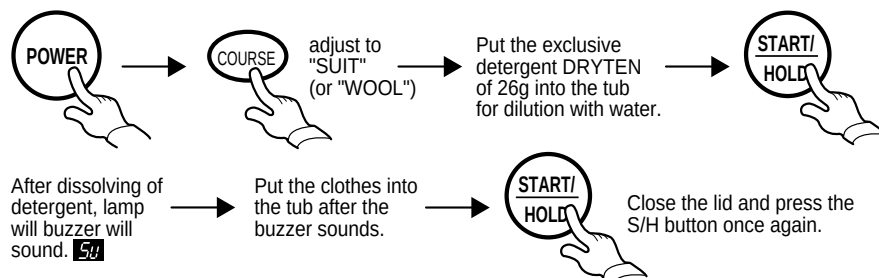
3. BLANKET COURSE;

- This selection is effective for blanket, curtain, carpet, etc ...
- Do not wash general-electric blanket absolutely (4kg's limitation for one-time-wash). Procedure to press the button;



4. SUIT COURSE;

- This selection is effective for high-quality sweater, underwear, wool, etc ...
- When the washer is operated, selection for water level will be selected "MEDIUM" by automatically in order to prevent the laundry.
- Use detergent that is "Only for dry-cleaning".
- 1.5kg's limitation for one-time-wash.



NOTE

- Only cold water should be supplied for washing.
- Be sure to use only the detergent exclusively used for the washer.
- Do not use the washer to wash leather clothes, or chamois clothes.
- Separate white color/light-colored from colorfast clothes.

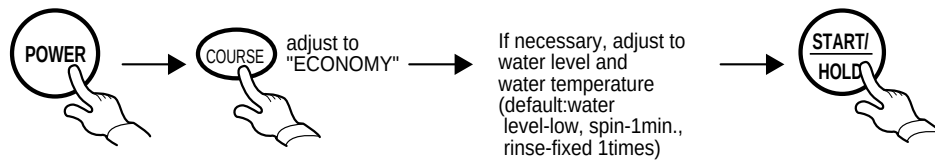
5. HEAVY COURSE;

- This selection is effective for blue-jean, climbing clothes, ruck sack, sports wear, etc ...
- If you want to soak, press the "WASH" button to adjust to "SOAK" after the course selection.



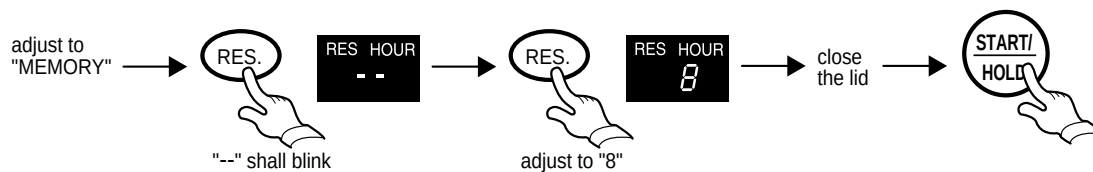
6. ECONOMY COURSE;

- This selection is effective for washing light or less dirty wash.
- Regulate the quantity of water according to load to be washed. Procedure of press the button;



■ Reserved Washing

- Reservation can be made from 2 hours to 48hours.
example) To make reservation to complete washing in 8hours.



- Now the reservation is mode.

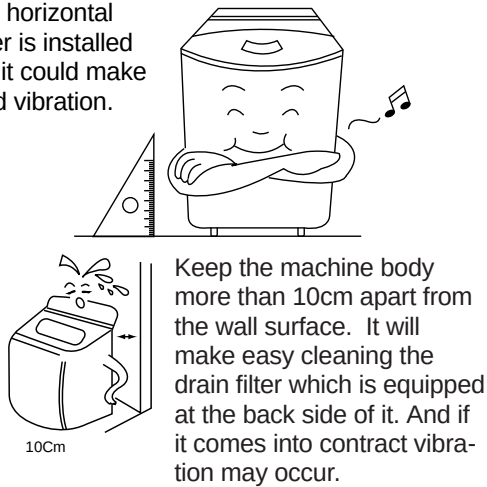
■ Partial Selection Among Wash, Rinse or Spin

Washing contents	Procedure to press the button			
Only Wash				End of washing informed by buzzer. After the end of the washing, the power switch will be turned off automatically.
Only Rinse				
Only Spin				
Wash & Rinse		→		
Wash & Spin		→		
Rinse & Spin		→		
Wash → Rinse → Spin		→ →		

5. DIRECTIONS FOR INSTALLATION AND USE

Installing Place

Install the washer on a horizontal solid floor. If the washer is installed on an unsuitable floor, it could make considerable noise and vibration.



Never install in these places

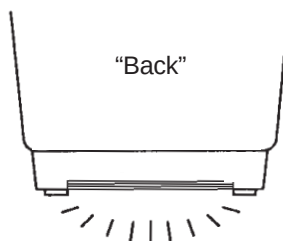
- The place where it would be exposed to direct sunlight.
- The place nearby a heater or heat appliance.
- The place where it would be supposed to be frozen in winter.
- The kitchen with coal gas and a damp place like a bathroom.

■ installation Of The Under Base Cover [Option]

- 1** The packing box opened, there is a noise insulation plate. Please insert this plate into the bottom area on the back side.



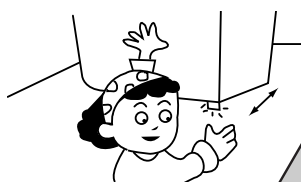
- 2** Push the noise insulation plate into the end, which decrease the noise made by this washer.



■ How To Install On An Inclined Place

1 Horizon Setting

After controlling the height by turning the adjustable leg, let the washer put down to the ground.



2 Check the Horizon Status

Check the position of tub above the center of the washer.



NOTES

The openings must not be obstructed by carpeting when the washing machine is installed on a carpeted floor.

■ How to Connect the Inlet Hose

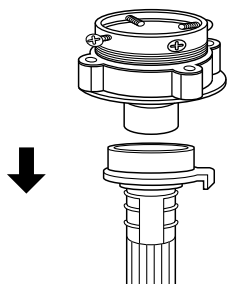
Be careful not to mistake in supplying between the hot(maximum : 50°C) and cold water.

In using only one water tap or in case of attached one water inlet valve, connect the inlet hose to the cold water inlet valve.

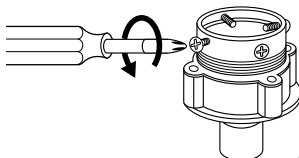
Do not over tighten : this could cause damage to couplings.

•••• FOR ORDINARY TAP

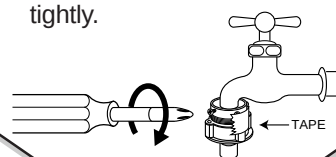
- 1** Pull down the collar of the inlet hose to separate it from the water tap adapter.



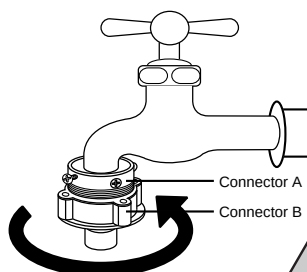
- 2** Loosen the four screws at the water tap adapter, but don't loosen the screws until they are separated from the water tap adapter.



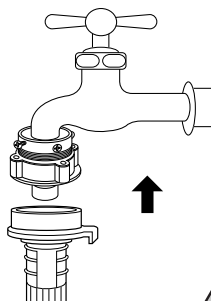
- 3** Connect the water tap adapter to the water tap tightly while pushing up the adapter so that the rubber packing can stick to the water tap tightly.



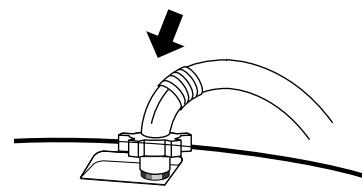
- 4** Remove the tape, and screw connector B into connect A tightly.



- 5** Connect the inlet hose to the water tap adapter by pulling down the collar of the hose end.



- 6** Connect the inlet hose adapter of the hose to the water inlet of the washer by turning it clockwise to be fixed tightly.

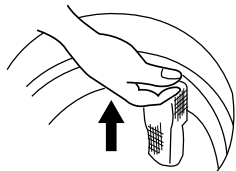


- Please check the rubber packing inside the inlet hose adapter of the hose.

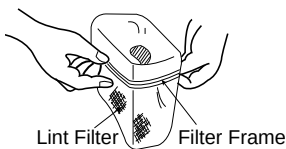
■ How To Clean The Filter

• • • • CLEANING THE LINT FILTER

1 Pull the Filter frame upward.



2 Turn the lint filter inside out, wash to the lint off with water.



3 Return the filter as it was, and insert the filter frame into the slot.



• • • • CLEANING THE WATER INLET FILTER

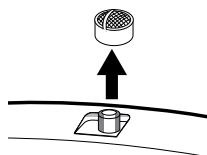
• Clean the filter when water leaks from, the water inlet.

1 Pull the power plug out before cleaning it.

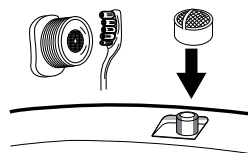
2 Turn off the water supply to the washer and sperate the



3 Pull the inlet filter out.



4 Remove the dirt from the inlet filter with a brush.



6. FEATURE AND TECHNICAL EXPLANATION

Feature of the Washing Machine

- ① The first applying Radical Technology in the world....go beyond washing, sterilize your clothes and deodorize a bad smell.
- ② The first air bubble washing system in the world.
- ③ Quiet washing through the innovational low-noise design.
- ④ The wash effectiveness is much more enhanced because of the air bubble washing system.
- ⑤ The laundry detergent dissolves well in water because of the air bubble washing system.
- ⑥ The adoption of the water currents to adjust the unbalanced load.
- ⑦ One-touch operation system.

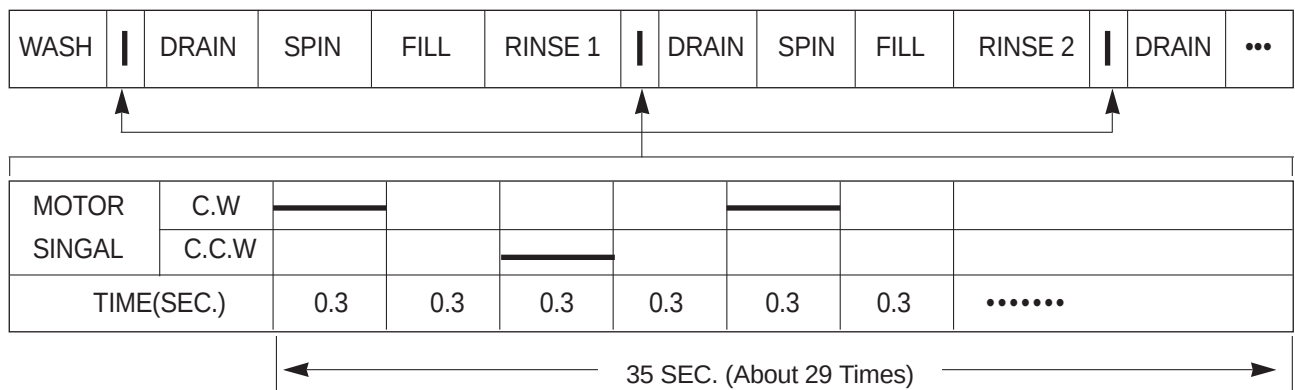
Water Current to Adjust the Unbalanced Load

It is a function to prevent eccentricity of the clothes after wash by rotating pulsator C.W and C.C.W for 35 seconds.(But, the SUIT course have no operation of the water currents to adjust the unbalanced load.)

EFFECT

It reduces vibration and noise effectively while spinning.

WATER FLOW

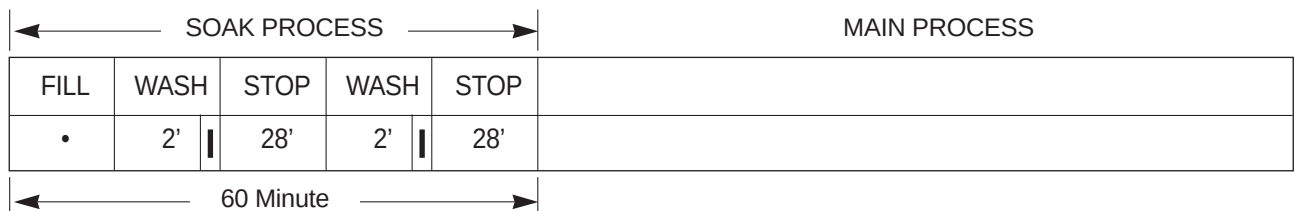


Function for Soak Wash

DISPLAY THE RESIDUAL TIME

When the SOAK WASH is selected, the total wash time increases because 60 minutes for soak process are added to the time of main process.

PROGRESS



NOTES

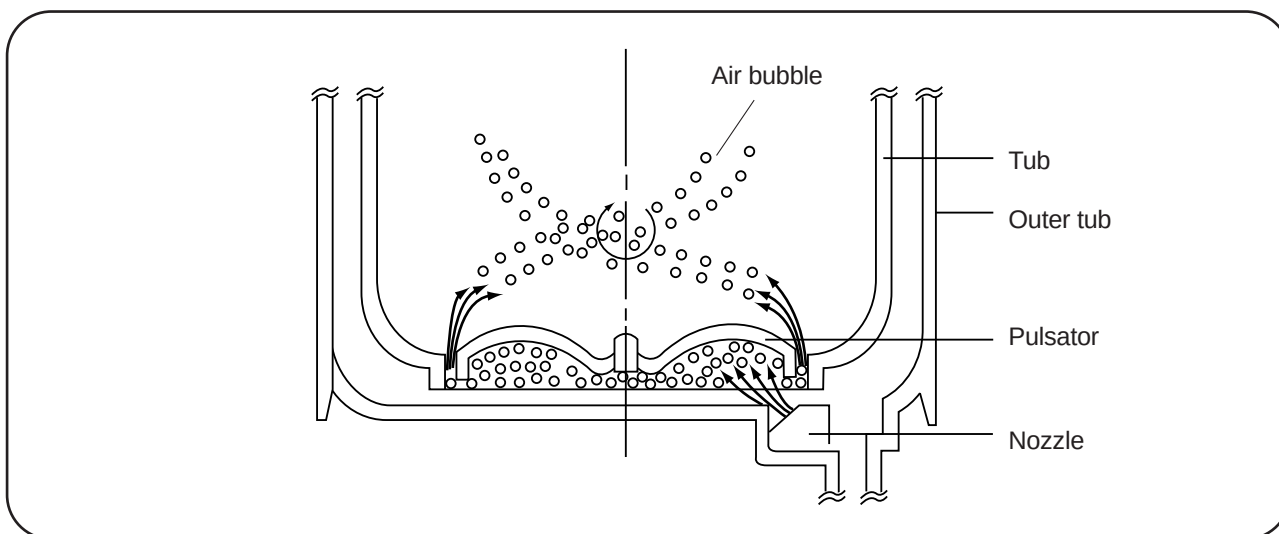
'|' mark indicates the operation of the water currents to adjust the unbalanced load.

Automatic Water Supply System For Blanket Wash

The water level would be lowered because the blanket absorbs water at the beginning of washing. Therefore, after 30 seconds, the operation is interrupted to check the water level, and then the water is supplied again until the select-ed water level is reached.

Functional Principle of Bubble Washing Machine

ACROSS SECTION



FUNCTIONAL PRINCIPLE

Bubble generator supplies the air from the bottom of outer tub to the inner space of pulsator, the air is dispersed by the rotation of pulsator. Air-bubble is created by the centrifugal force, and rises up.

Automatic Draining time Adjustment

This system adjusts the draining time automatically according to the draining condition.

Draining condition	Good draining	The washer begins spin process after drainage.
	Bad draining	Draining time is prolonged.
	No draining	Program is stopped and gives the alarm.

FUNCTIONAL PRINCIPLE

- The micom can remember the time from the beginning of drain to reset point when the pressure switch reaches to "OFF" point

Drain Time	Movement of the Program
Less than 15 minutes	Continue draining
More than 15 minutes	Program stops and gives the alarm with DE blinked on display lamp.

- In case of continuous draining, residual drain time is determined by micom.
Draining time as a whole = D + 90

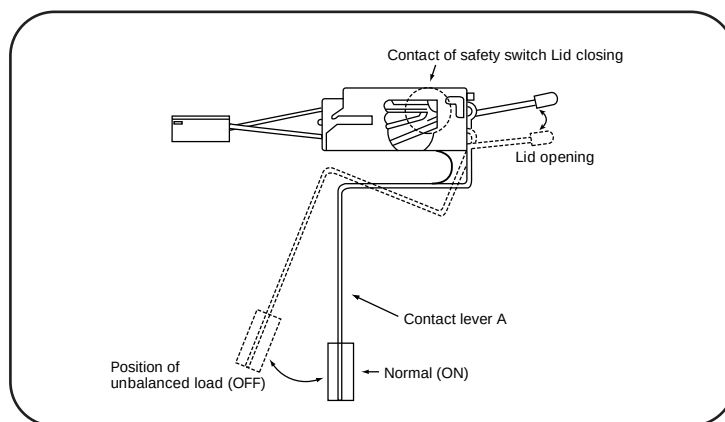
90 Residual drain time.
D The time remembered by micom.

Automatic Unbalance Adjustment

This system is to prevent abnormal vibration during intermittent spin and spin process.

FUNCTIONAL PRINCIPLE

- ① When the lid is closed, the safety switch contact is "ON" position.
- ② In case that wash loads get uneven during spin, the outer tub hits the safety switch due to the serious vibration, and the spin process is interrupted.
- ③ In case that P.C.B. ASS'Y gets "OFF" signal from the safety switch, spin process are stopped and rinse process is started automatically by P.C.B. ASS'Y.
- ④ If the safety switch is operated due to the unbalance of the tub, the program is stopped and the alarm is given.



NOTES

The alarm finished when you close the lid after opening it. Check the unbalance of the wash load and the installation condition.

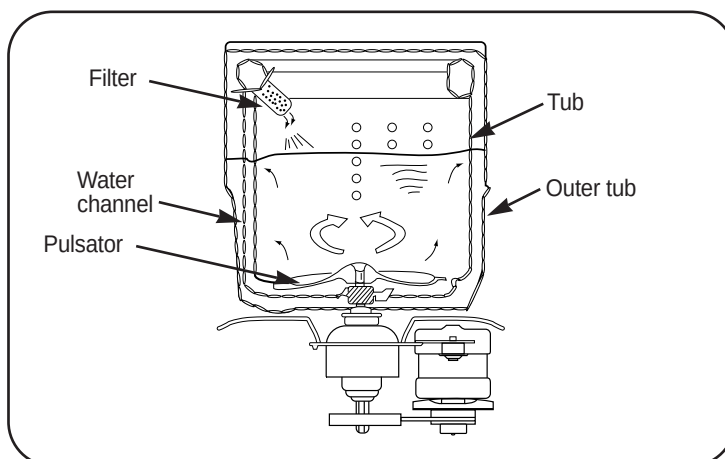
Circulating-Water Course and Lint Filter

CIRCULATING-WATER

The washing and rinsing effects have been improved by adopting the water system in which water in the tub is circulated in a designed pattern.

When the pulsator rotates during the washing or rinsing process, the water below the pulsator vanes creates a water currents as shown in figure.

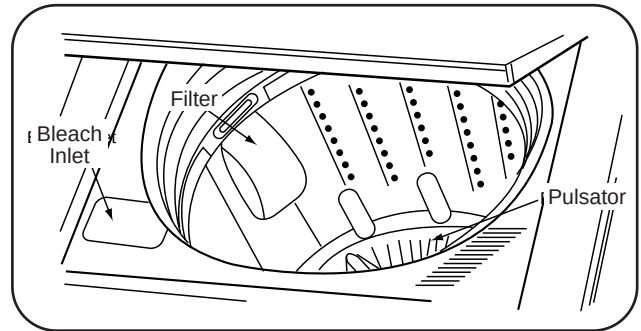
The water is then discharged from the upper part of the tub through the water channel. About 40 L/min. water is circulated at the 'high' water level, standard wash load and standard water currents.



Lint Filter

Much lint may be obtained according to the kind of clothes to be washed and some of the lint may also sticks to the clothes.

To minimize this possibility a lint filter is provided on the upper part of the tub to filter the wash water as it is discharged from the water channel. It is good to use the lint filter during washing.



HOW TO REPLACE LINT FILTER

- ① Pull the filter frame upward.
- ② Turn the lint filter inside out, and wash the lint off with water.
- ③ Return the filter as it was, and fix the filter frame to the slot.

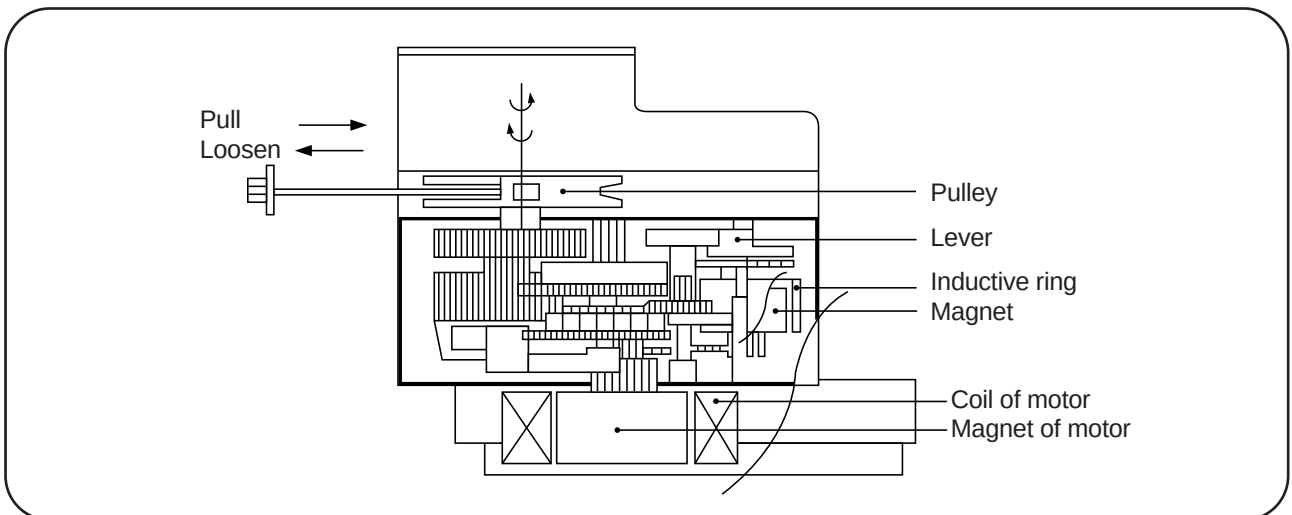
Residual Time Display

When the START/HOLD button is pressed, the residual time (min.) is displayed on the time indicator, and it will be counted down according to process.

When operation is finished, the TIME INDICATOR will light up .

Drain Motor

STRUCTURE

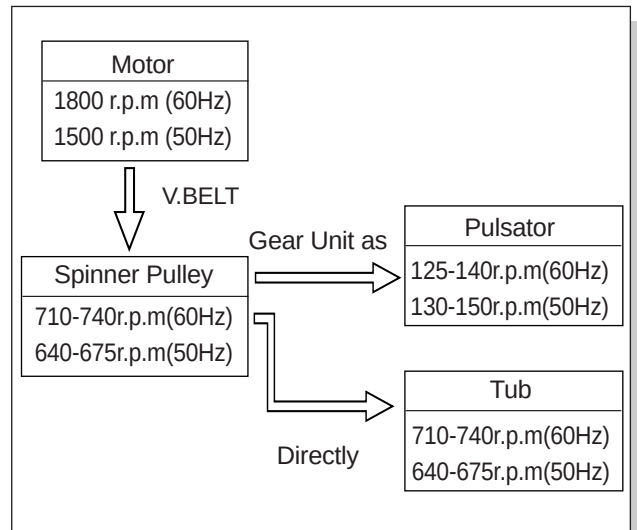
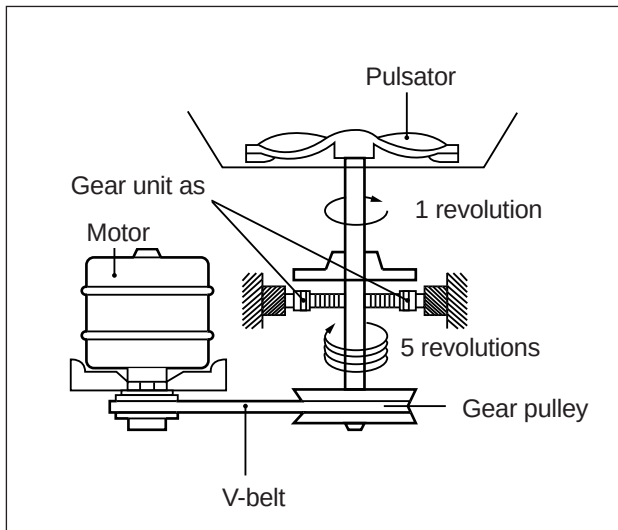
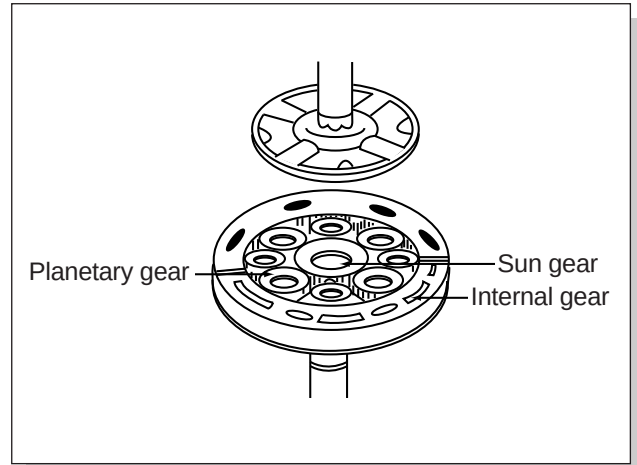
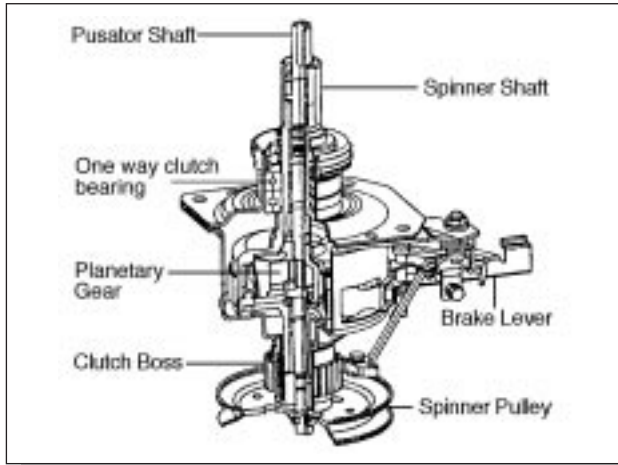


FUNCTIONAL PRINCIPLE

- ① When the DRAIN MOTOR connected to the power source, the DRAIN MOTOR rotates with 900 r.p.m and revolves the pulley by gear assembly for reducing.
- ② When the pulley is rotated, the pulley winds the wire to open the drain valve.
- ③ Therefore, rotation of pulley changed to the linear moving of wire.
- ④ The wire pulls the brake lever of Gear Mechanism Ass'y within 5 seconds.
- ⑤ After the wire pulled, gear assembly is separated from motor and condition of pulling is held by operation of the lever.
- ⑥ When the power is turned off, the drain valve is closed because the wire returns to original position.

Gear Mechanism Ass'y

The proper water currents is made by the rotation of pulsator at a low speed to prevent the damage to the small sized clothes.



7. DIRECTIONS FOR DISASSEMBLY AND ADJUSTMENT

Warning

BEFORE ATTEMPTING TO SERVICE OR ADJUST ANY PART OF THE WASHING MACHINE, DISCONNECT THE POWER CORD FROM THE ELECTRIC OUTLET.

Gear Mechanism Ass'y Replacement

GEAR MECHANISM ASSY REPLACEMENT

- ① Raise the top plate on the outer cabinet.
- ② Loosen four screws mounting outer tub cover and remove outer tub cover from the tub ass'y.



- ③ Remove the cap pulsator from the pulsator assy by using screw driver



- ④ Loosen the pulsator mounting screw and remove the pulsator.



- ⑤ Remove the special by using box wrench.



⑦ Remove the tub i assy.



⑧ Lay the front of the washer on the floor.

⑨ Remove four special bolts of gear protect by using a box wrench and remove gear protect.

⑩ Remove the V-belt.



⑪ Remove four special bolt of gear mechanism assy by using a box wrench.



⑫ Pull out the gear mechanism assy.

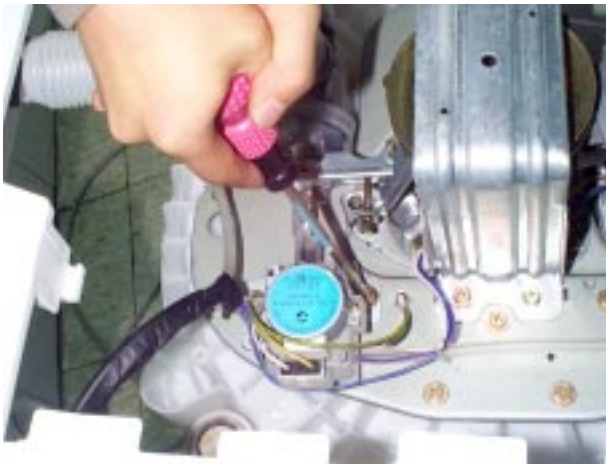


NOTES

To assemble the gear mechanism ass'y, reverse the disassembly procedure.

MOTOR SYNCHRONOUS AND VALVE REPLACEMENT (NON PUMP MODEL)

- ① Lay the front of the washer on the floor.
- ② Loosen two special screw of motor synchronous.



- ③ Take out the wire of motor synchronous from the bracket.
- ④ Separate the motor synchronous from the base.

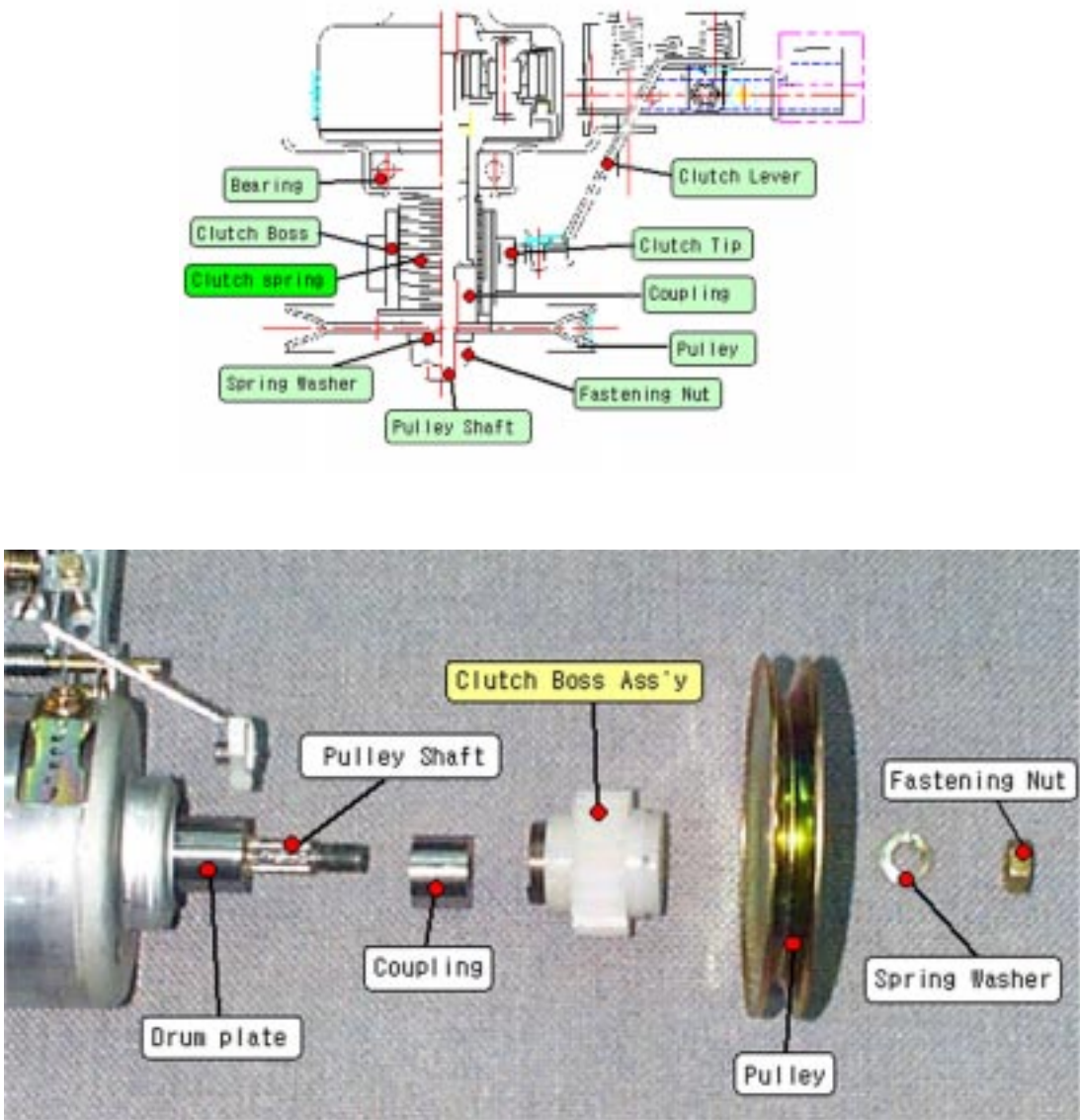


- ⑤ Turn the valve by using screw driver as shown in picture.
- ⑥ Remove the valve lid from the valve drain assy.

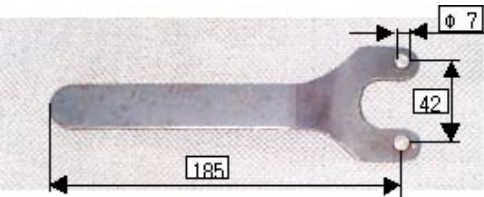


8. THE REPAIR METHOD OF GEAR MECHANISM FOR CLUTCH SPRING PROBLEM

The Structure Of Gear Mechanism



● TOOL FOR REPLACING THE CLUTCH BOSS ASSEMBLE ●

Tool name	Specification	Q'ty
Fixing jig		1
Ratchet handle		1
Socket and extension bar	socket : 10mm, 17mm	per each
Some cotton yarn		some

How To Check The Clutch Spring Problem

PROBLEM

- 1) THE LAUNDARY IS IN THE SPIN TUB UNEVENLY WHEN JUST STARTING SPIN PROCESS.
- 2) THEREFORE, IT CAUSE THE SERIOUS NOISE AND VIBRATION WHEN WASHING AND SPINNING PROCESS OR SUPPLING WATER IRREGULARLY WHEN SPINNING PROCESS AND CAUSE SHORT OF SPIN PERFORMANCE.

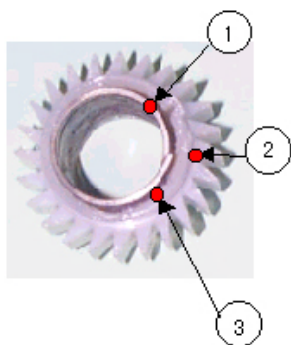
CHECKING METHOD

IN THIS CASE, YOU MUST EMPTY THE SPIN TUB FIRST.

- 1) TO CHECK THE REVOLUTION OF SPIN TUB. IF THE SPIN TUB DOES NOT REVOLVE AND ONLY THE PULSATOR IS TURNING, THAT IS CLUTCH SPRING DEFECT.
- 2) TO CHECK THE SPIN SPEED(RPM) BETWEEN SPIN TUB AND PULSATOR.
IF YOU FIND THE DIFFERENT SPIN SPEED BETWEEN SPIN TUB AND PUSATOR, THIS IS ALSO CLUTCH SPRING DEFECT.

IN THIS CASE, WE ARE GOING TO SUPPLY THE CLUTCH BOSS ASSEMBLY INSTEAD OF GEAR MECHANISM ASSEMBLY. PLEASE REFER TO FOLLOWING FIG.

THE CLUTCH BOSS ASSEMBLY

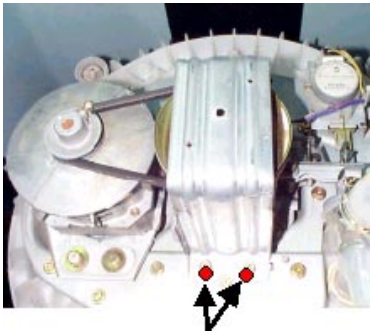
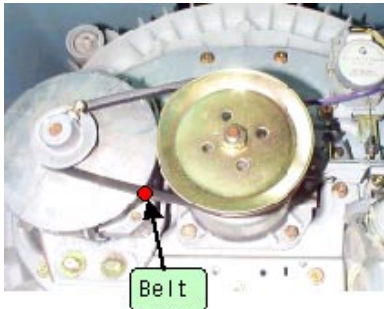
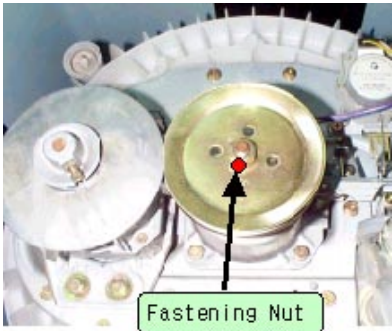


NO.	PARTS NAME	SPECIFICATION	CODE	Q'TY
1	CLUTCH SPRING	1.5*1.5	3615110000	1
2	CLUTCH BOSS	PP	3619301300	1
3	GREASE	beacon#325 3g		
PACKING METHOD	PACKING THE CLUTCH BOSS ASS'Y BY USING VINYL PACK			1

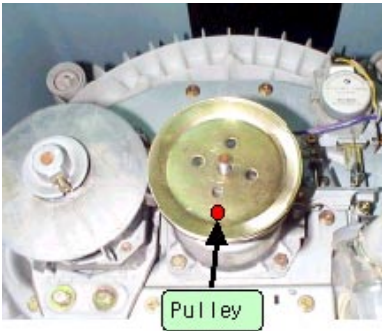
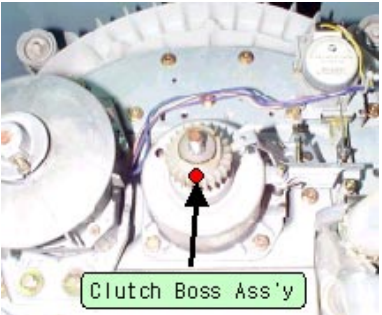
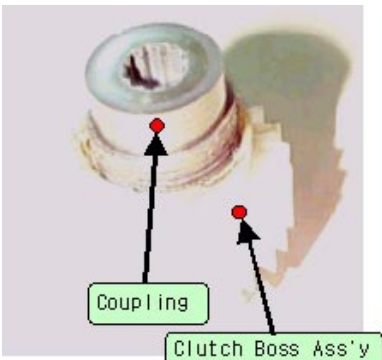
CLUTCH BOSS ASS'Y PART CORD : 3619301400

The Process Of Disassemble

Disassemble 1

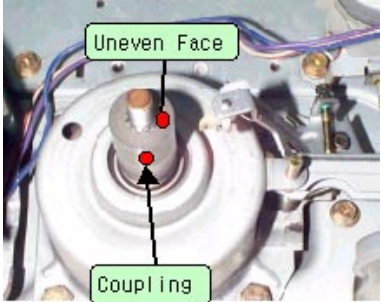
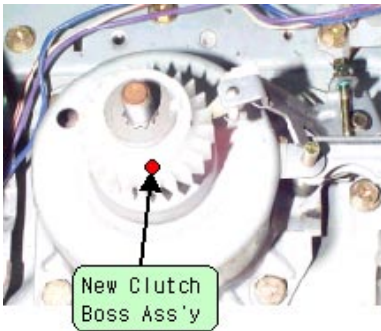
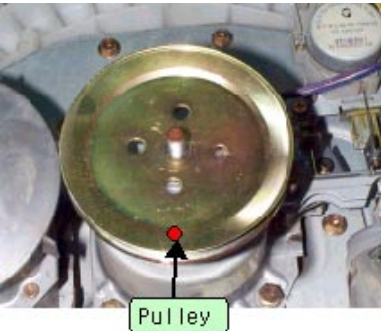
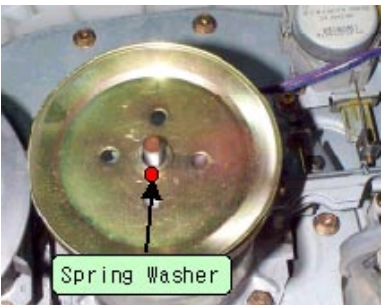
No.	Process	Notice
1	 Release screws marked 4-point	Remove the protector Use wrench or driver - ratchet handle - extension bar - socket : 10mm
2	 Belt	Remove the v-belt
3	 Fastening Nut	Loosen the fastening nut Use fixing jig for pulley as to see fig 1. and 17mm-socket for nut
4	 Spring Washer	Disassemble the spring washer Take out plain washer if it has

Disassemble 2

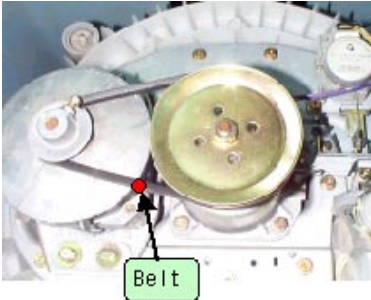
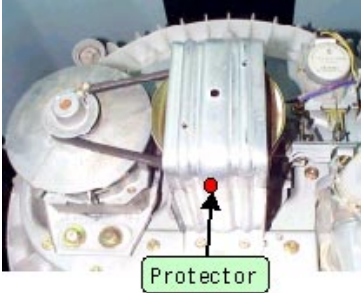
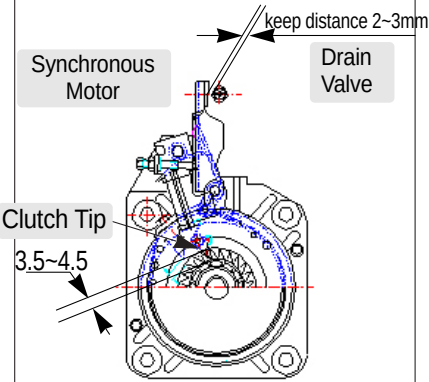
No.	Process	Notice
5		Disassemble the pulley
6		Disassemble the clutch boss assembly Catch the boss and pull upward with spiral rotate in the clockwise direction
7		Separate coupling from clutch boss ass'y
8		Cleaning Clean the drum plate, coupling surface and contact face between drum plate and coupling It is necessary to keep cotton piece goods being dry and clean

The Process Of Assemble

Assemble 1

No.	Process	Notice
1	 Assemble the coupling	Check the uneven face of coupling is assembled upward
2	 Assemble the new clutch boss ass'y	- Push in the clutch boss ass'y with rotating on the clockwise direction. - After assembling, rotate on the clockwise more 2~3 teeth and pull out the pulley shaft upward 
3	 Assemble the pulley	
4	 Assemble the spring washer	If there was plain washer, you have to assemble plain washer the first and then assemble spring washer

Assemble 2

No.	Process	Notice
5	 Fastening Nut	Assemble the fastening nut - Use fixing jig and 17mm socket wrench as if disassembling, as fastening torque about 100~200kgf-cm. - Check the end-play, up and downward and check the binding force, too much or not on bi-direct of rotation. 
6	 Belt	Assemble the Belt
7	 Protector	Assemble the protector
8		Final checking Finally, check the distance between brake lever and control bolt. (2~3mm) Also, check the interference depth both clutch tip and clutch boss(3.5~4.5mm)

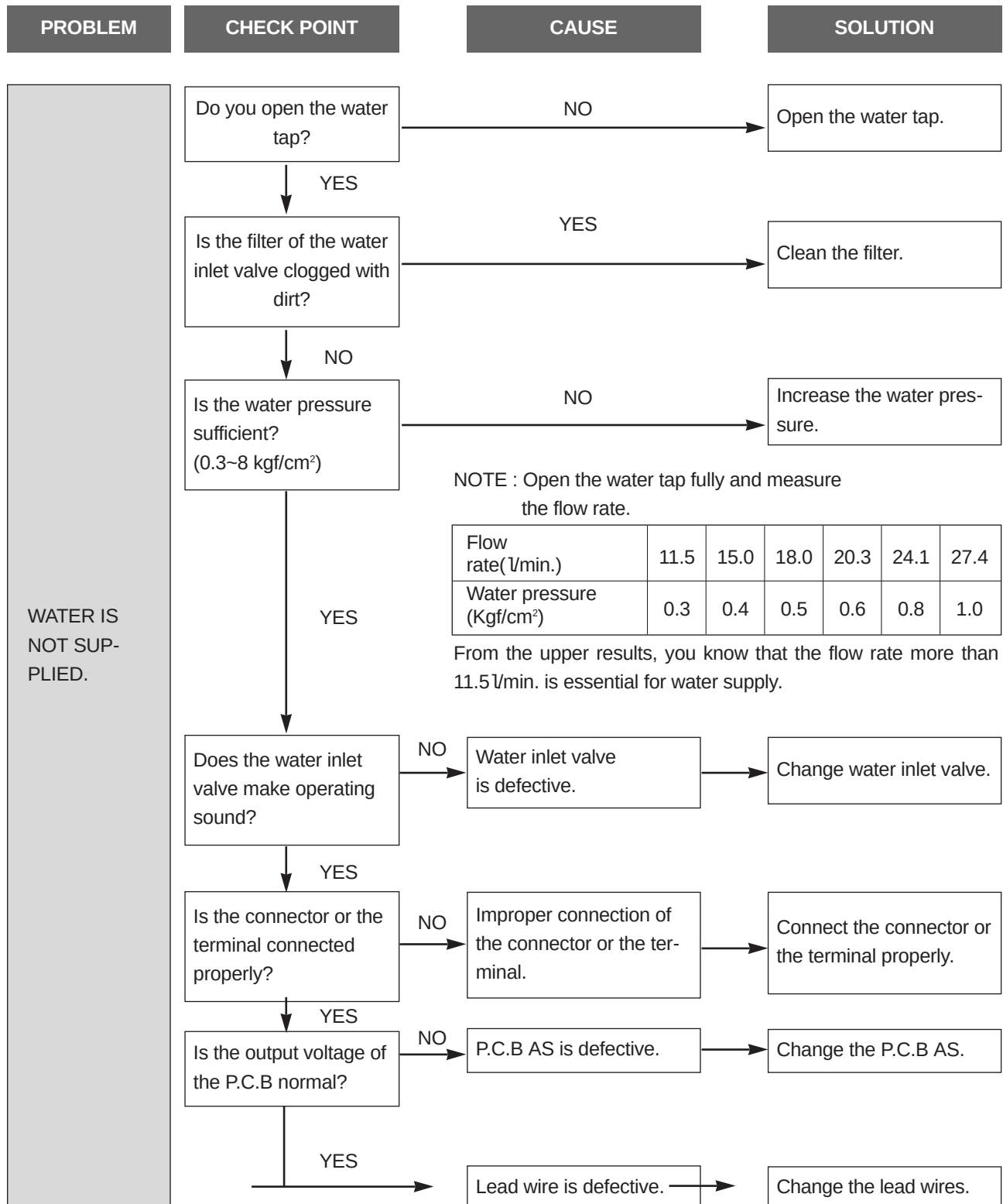
9. TROUBLE SHOOTING GUIDE



NOTES

1. When replace the P.C.B. ASS'Y do not scratch the surface of the P.C.B. ASS'Y.
2. Disconnect the power cord from the electric outlet.

Concerning Water Supply



PROBLEM	CHECK POINT	CAUSE	SOLUTION
WATER SUPPLY IS NOT STOPPED.	Does the water supply continue while the power is turned off?	YES The water inlet valve is defective.	Change the water inlet valve.
	NO Does the water supply start as soon as you press the power switch?	YES The triac of P.C.B is defective.	Change the P.C.B ASS'Y.
	NO Operate the washer after setting the water level to "HIGH"		
	Does the water supply continue after the water reaches to the "HIGH" level?	NO	Normal operation.
	YES Is the air tube of water level switch kinked or deformed?	YES Air tube is defective.	Change the air tube.
	NO Pressure switch is defective.		Change the pressure switch.

Concerning Washing

PROBLEM	CHECK POINT	CAUSE	SOLUTION
THE PUL-SATOR DOES NOT ROTATE EVEN IF THE WATER IS SUPPLIED.	Does the motor operate after finishing water supply?		
	NO Does pulsator rotate in only one direction?	YES The triac of P.C.B is defective.	Change the P.C.B ASS'Y.
	YES Does the motor make operating sound?	NO	Normal
	NO Is the motor coil disconnected?	YES Motor is defective.	Change the motor.
	YES Is the connection condition of capacitor terminal good?	NO Improper connection	Connect the terminal properly.
	YES Is the V-belt worn out?	NO V-belt is defective.	Change the V-belt.
	NO		Change the motor.

Concerning Draining

PROBLEM	CHECK POINT	CAUSE	SOLUTION
THE WASHER DOES NOT DRAIN.	Do you install the drain hose properly?	NO Improper installation	Install the drain hose properly.
	Is the foreign matter accumulated inside the pump housig?	YES Malfunction of drainage by the foreign matter	Remove the foreign matter from the pump housig
	Is the output voltage of the drain pump normal?	YES Drain pump is defective	Change the Drain pump
		NO P.C.B ASS'Y is defective.	Change the P.C.B ASS'Y.

Concerning Spinning

PROBLEM	CHECK POINT	CAUSE	SOLUTION
THE WASHER DOES NOT SPIN.	Is the lid open?	YES	Close the lid.
	NO		
	Does the door switch operate normally?	Door switch is defective.	Change the door switch.
	Does the safety switch operate normally?	NO Safety switch is defective.	Change the safety switch.
	YES		
	Is the connector of P.C.B ASS'Y connected properly?	NO Improper connection of the connector.	Connect the connector properly.
	YES	P.C.B. ASS'Y is defective.	Change P.C.B ASS'Y.
	Does the pulsator rotate while the tub does not rotate?		
	NO		
	YES		
	Is the input voltage of the drain motor normal?	YES Drain motor is defective.	Change the drain motor.
	NO	P.C.B ASS'Y is defective.	Change the P.C.B ASS'Y.
	Is the V-belt worn out?	YES V-belt is defective.	Change the V-belt.
	NO		
	Is the input voltage of motor normal?	YES Motor is defective.	Change the motor.
	NO		
	Is the connection condition of capacitor terminal good?	NO Improper connection.	Connect the terminal correctly.
	YES	P.C.B ASS'Y is defective.	Change the P.C.B ASS'Y.

Concerning Operation

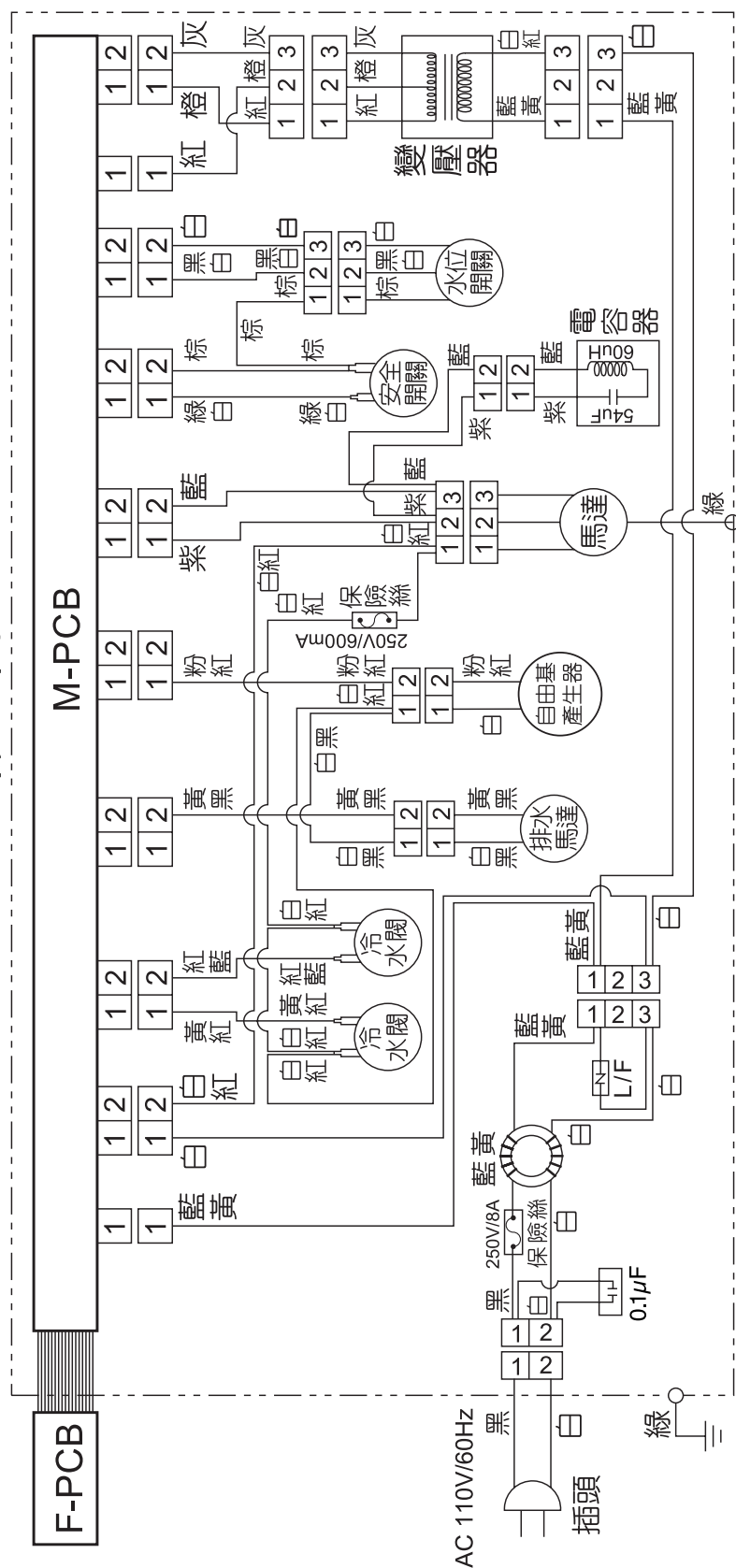
PROBLEM	CHECK POINT	CAUSE	SOLUTION
THE INDICATOR LAMPS(L.E.D) DO NOT LIGHT UP WHEN THE POWER BUTTON IS PRESSED.	Is the plug connect-ed to electric outlet?	NO	Connect the plug.
	↓ YES		
	Is Fuse opened?	YES	Change Fuse
	↓ NO		
	Is the condition of power button good?	NO Power button is defective	Change P.C.B ASS'Y.
	↓ YES		
	Is the connector of the P.C.B. ASS'Y connect-ed properly?	NO Improper connection of the connector.	Connect the connector properly.
	↓ YES		
	Is input voltage of the transformer normal?	NO Transformer is defective	Change the transformer.
		P.C.B. ASS'Y is defec-tive.	Change P.C.B ASS'Y.
PROGRESS LAMPS(LED) DO NOT LIGHT UP.	Do you press START/HOLD button?	NO	Press START/HOLD but-ton.
	↓ YES	P.C.B ASS'Y is defective.	Replace P.C.B ASS'Y.
MOTOR ROTATES WHEN START/HOLD BUTTON IS NOT PRESSED.	Does the pressure switch operate normally?	NO Pressure switch is defec-tive.	Change the pressure switch.
	↓ YES		
	Check the output voltage of P.C.B ASS'Y	Abnormal P.C.B ASS'Y is defective	Change P.C.B ASS'Y.
ABNORMAL NOISE DURING WASH PROCESS.	Is the strange noise gener-ated when the pulsator rotates in TEST MODE of P.C.B ASS'Y?	YES There is foreign matter between pulsator and tub.	Remove the foreign mat-ter.
	↓ NO		
	Is the V-belt worn out?	YES V-belt is defective.	Change the V-belt.

10. PRESENTATION OF THE P.C.B ASS'Y

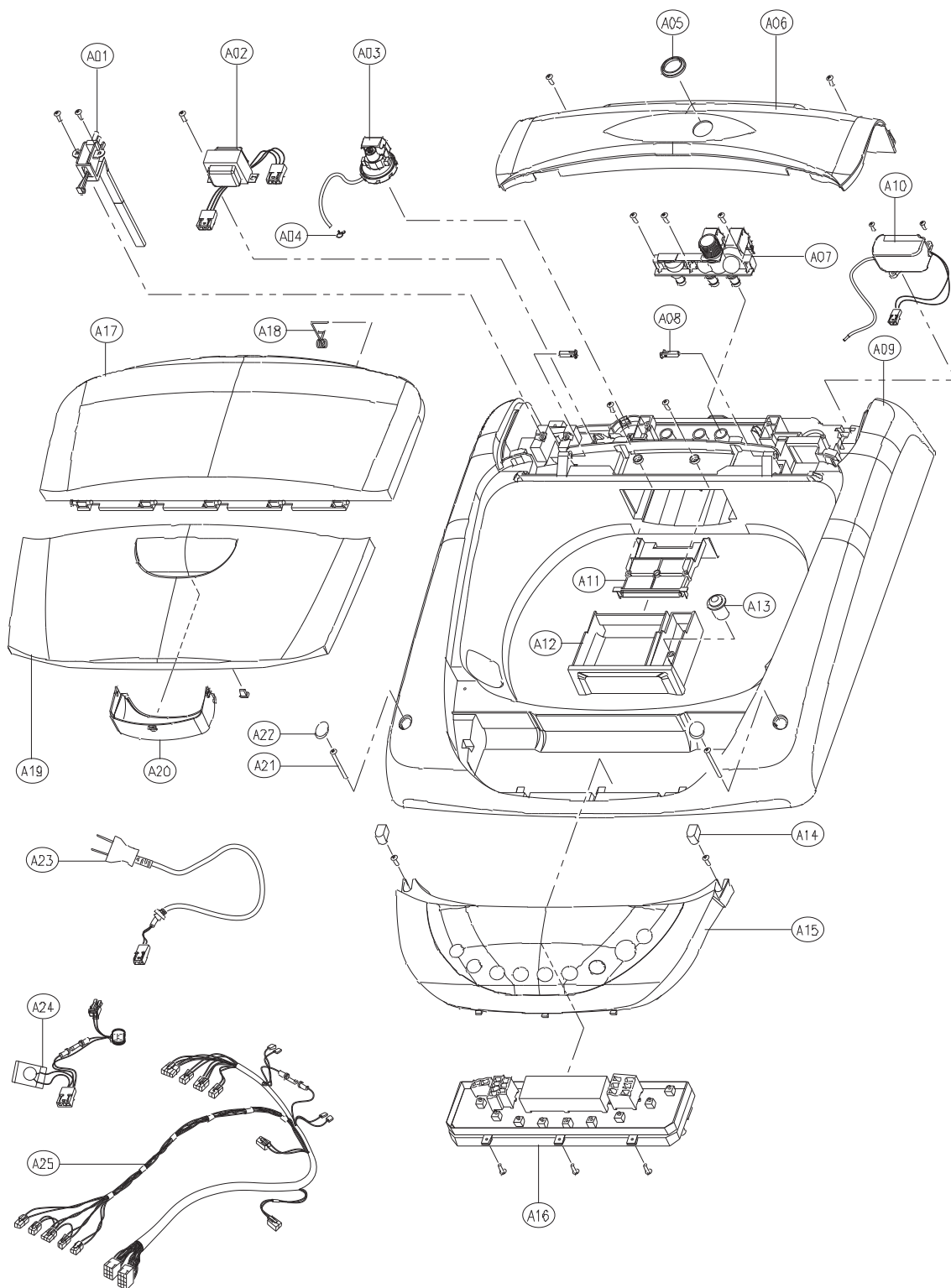
Concerning Error Message

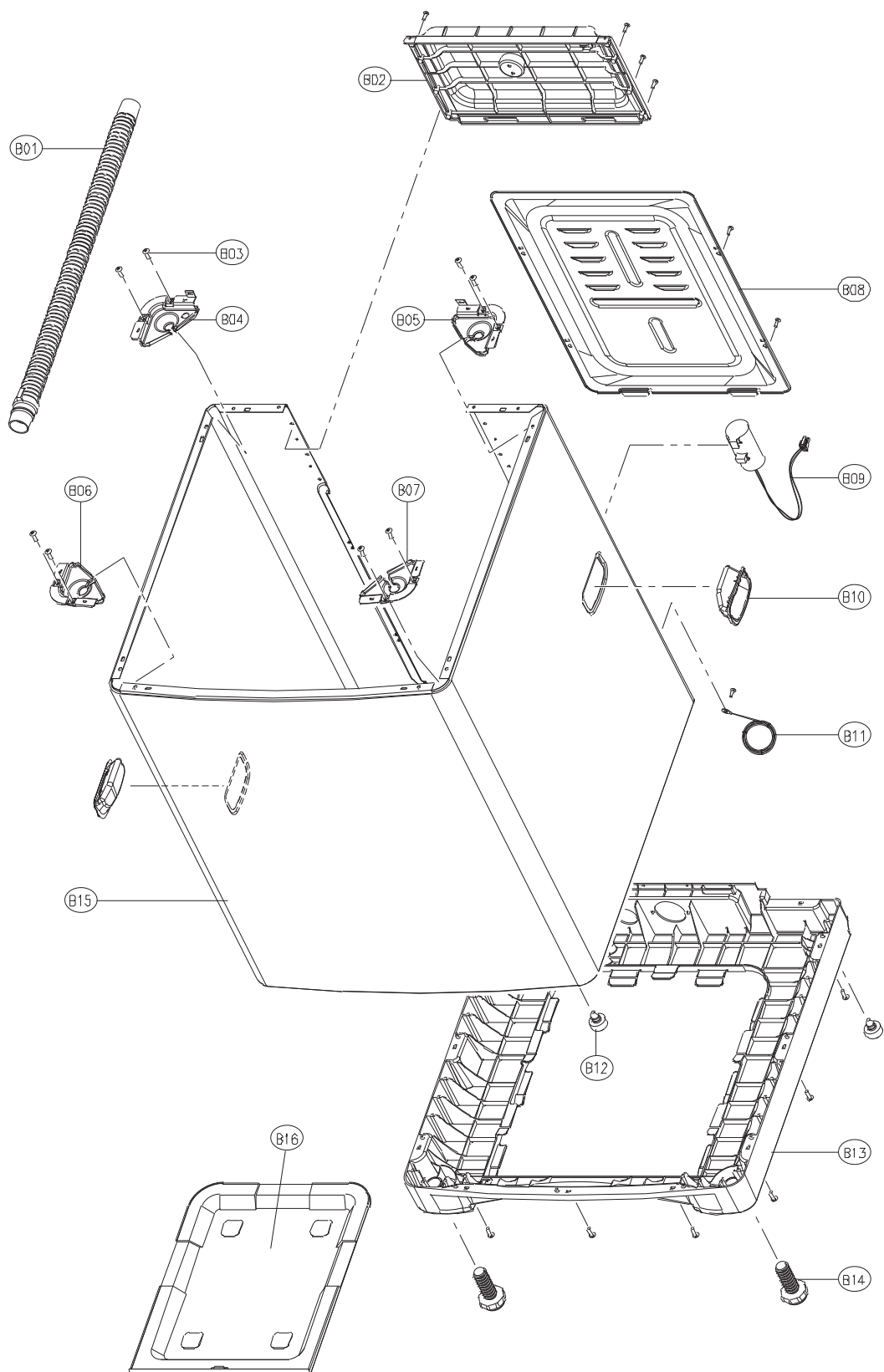
MESSAGE	CAUSE	SOLUTION
	Improper installation of drain hose.	Install drain hose properly.
	The drain hose is blocked up by foreign matter.	Remove foreign matter from drain hose.
	Drain motor is inferior.	Change drain motor.
	The water tap is closed.	Open the water tap.
	The water inlet filter clogged.	Clean the water inlet filter.
	It passes over the 60 minutes, yet it doesn't come to assigned water level.	Check whether or not it comes to the assigned water level.
	Wash loads get uneven during spin.	Re-set wash loads evenly.
	Poor installation of the unit.	Proper installation.
	The lid is opened.	Close the lid.
	The safety switch is inferior.	Change the safety switch.
	The load sensing is inferior. After the load sensing operates about 15 seconds, the message is displayed during 0.5 second and water level is always fixed 'high'.	Change the P.C.B. ASS'Y.
	The water level sensing is inferior.	Check the water level sensor and the contact part of the connector.

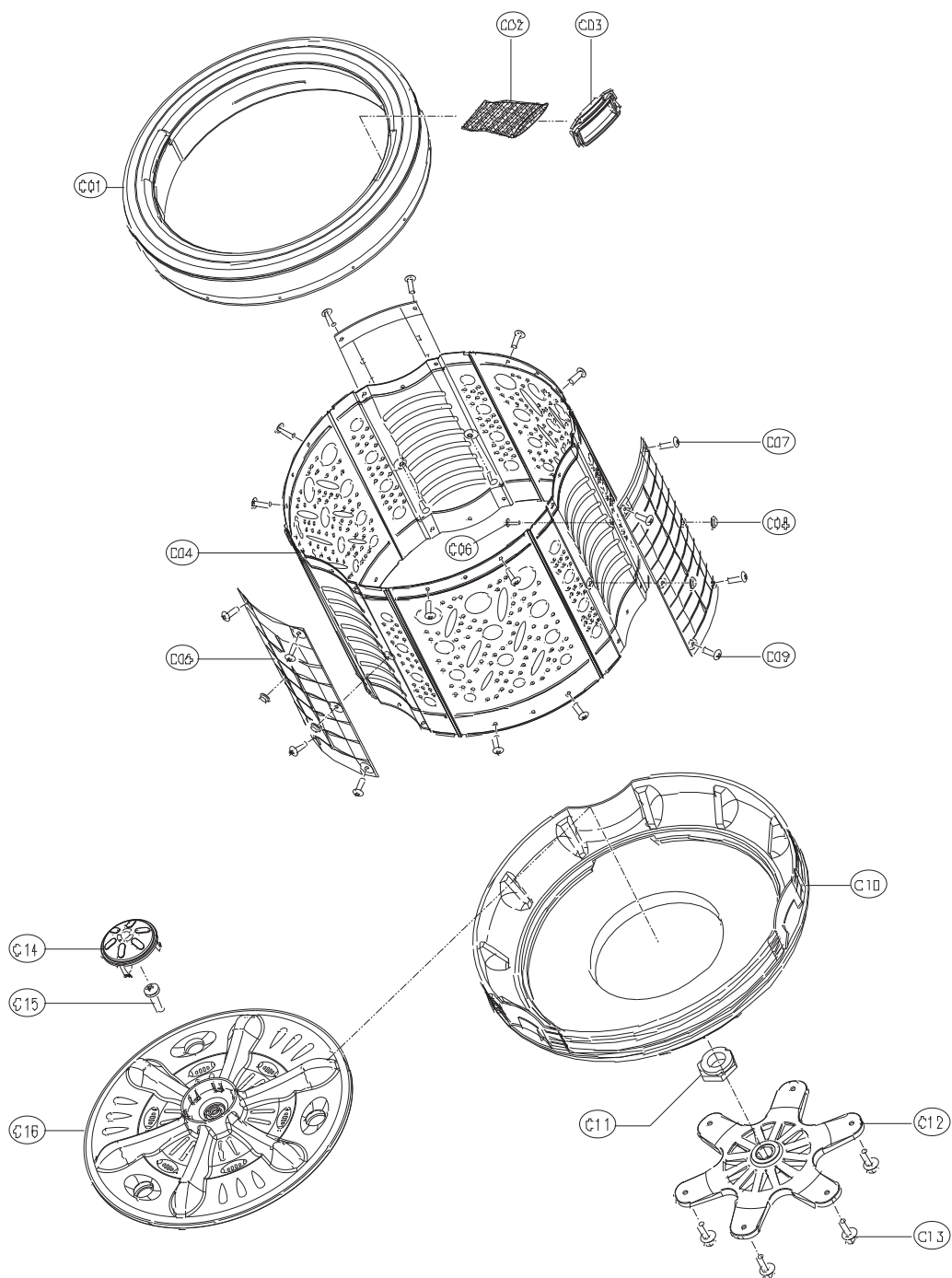
■ Wring Diagram

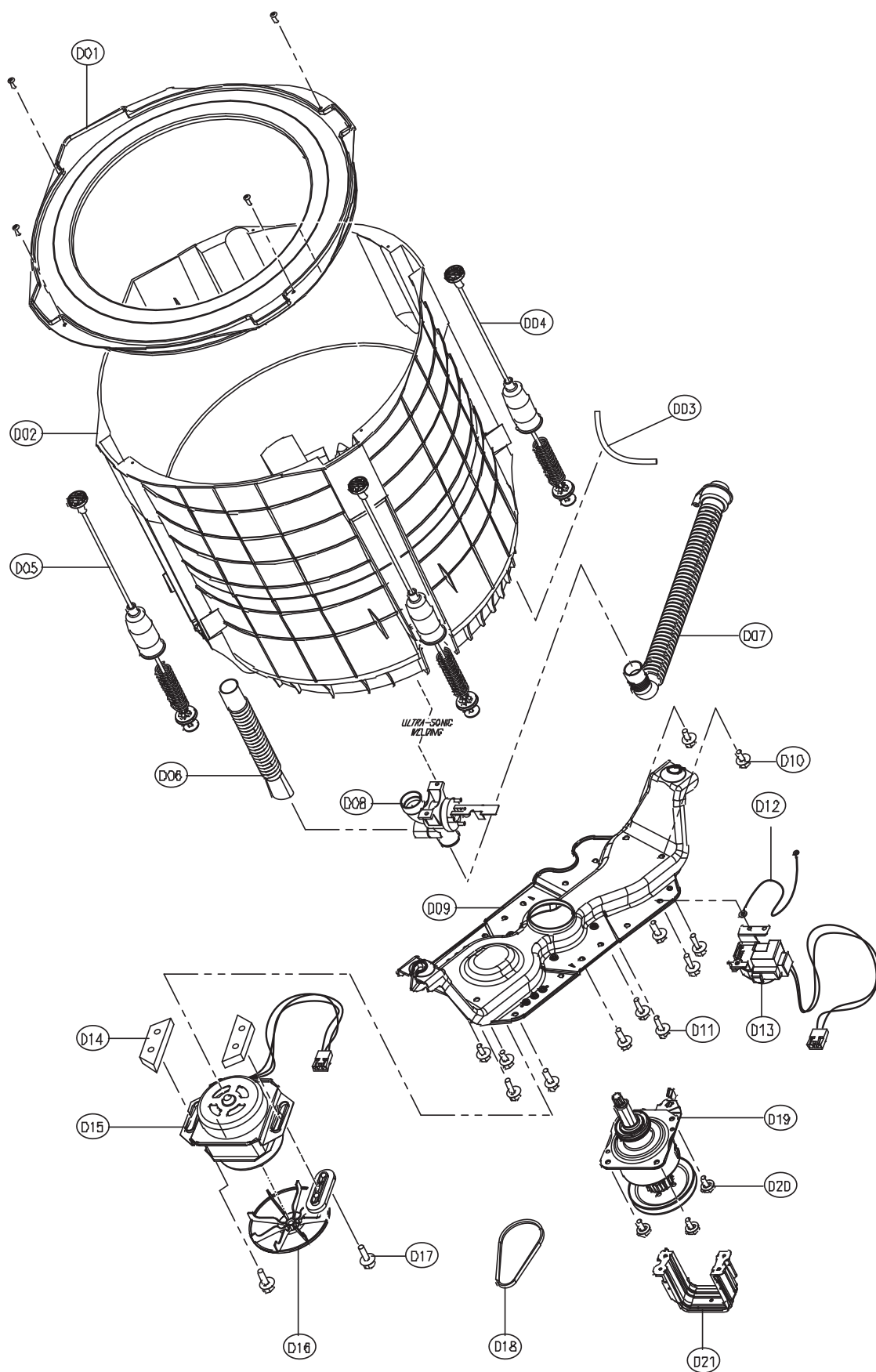


■ Expolode View







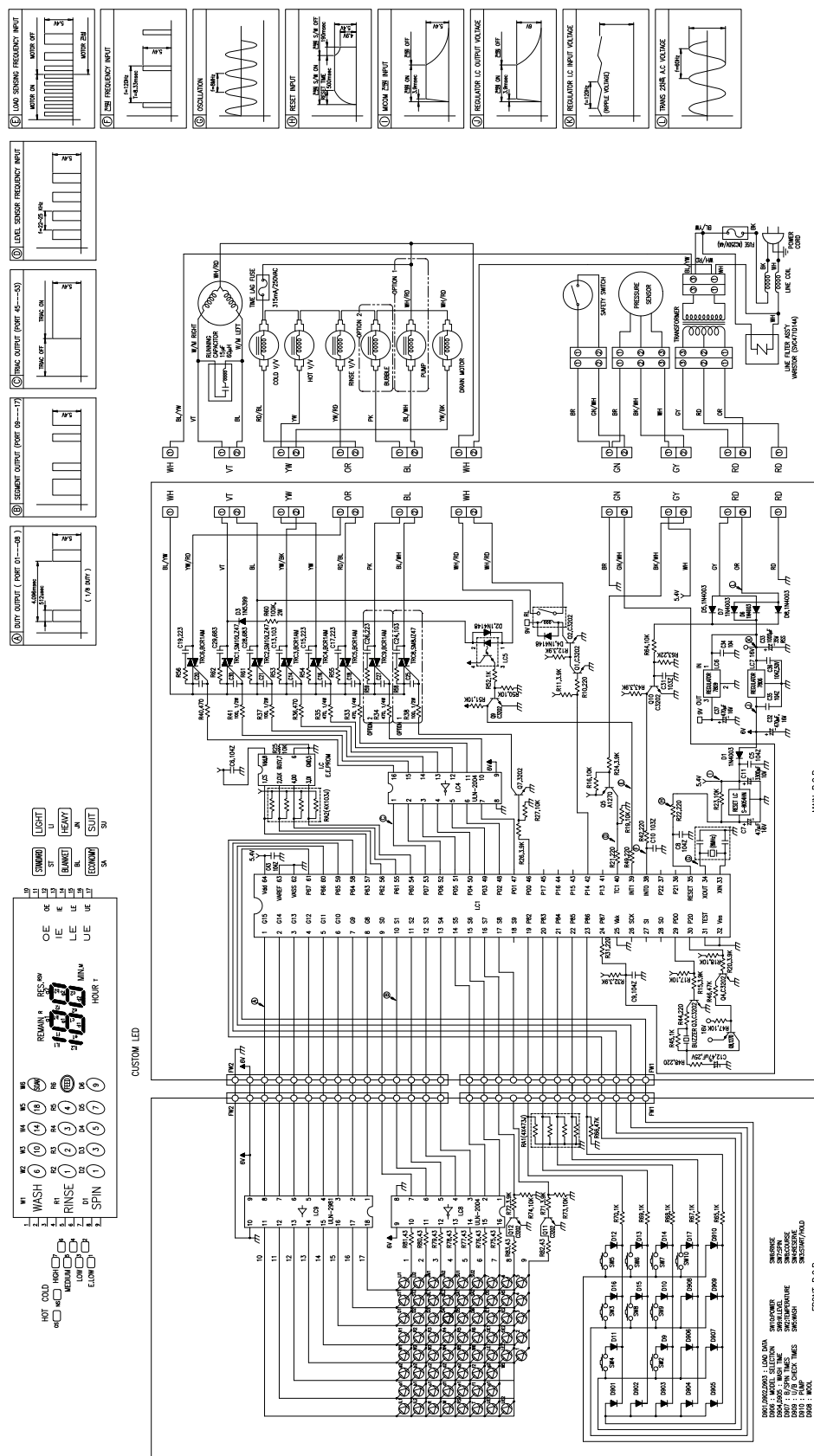


■ Parts List

NO	PARTS CODE	PARTS NAME	DESCRIPTION	QTY	REMARK
A01	3619044130	SWITCH SAFETY	030A7 #187, B:9MM, TIP:9MM	1	
A02	5EP1048020	TRANS POWER	T5-V1F	1	
A03	3614801110	SENSOR PRESSURE	D8T, TERMINAL	1	
A04	4507D08150	CLAMP	MFZN HOSE ID=7PIE	1	
A05	3612300110	GASKET VALVE	PVC-S(INLET)	1	
A06	3614220660	PANEL B	ABS	1	
A07	3615407150	VALVE INLET AS	AC 110~130V/60HZ C&R	1	
A08	3612902400	HINGE DOOR	POLYACETAL	2	
A09	3614516330	PLATE T	ABS	1	
A10	3610017110	ASSY RADICAL GENER	110V/60HZ, DRG-110	1	
A11	3618101700	NOZZLE DETERGENT	PP	1	
A12	3611118100	CASE DETERGENT	ABS	1	
A13	3610907800	CAP SOFTNER	PP	1	
A14	3610909900	CAP PANEL	NBR	2	
A15	3614221390	PANEL F AS	U-PANTING	1	
A16	PRPSSWIU00	PCB AS	1398TC(L6 BB RL NOEP EMI)	1	
A17	3611794450	DOOR B	ABS	1	
A18	3615110110	SPRING DOOR R	DWF-100M	1	
A19	3611794500	DOOR F	ABS	1	
A20	3612604100	HANDLE DOOR	PP	1	
A21	3616008510	SPECIAL SCREW	SM M5X73, 1098	2	
A22	3610909700/10	CAP PLATE L/R	ABS	1	
A23	3611302800	POWER CORD AS	A VCTFK 2X0.75 2.3M GY	1	FLAT 2PIN
A24	3618961400	UNIT FILTER	5MH, 7A, 0.22μF	1	
A25	3612757660	HARNESS AS	1398MTC, BUBBLE ON, #250	1	600mA(5FKGD6012S)
B01	3613213560	HOSE DRAIN O	1089CTE 950mm	1	
B02	3614514600	PLATE UPPER	PP	1	
B03	7112501411	SCREW TAPPING	T1 TRS 5X14 MFZN	8	
B04	3615302210	SUPPORTER TUB BL	SPG 1.4T	1	
B05	3615302310	SUPPORTER TUB BR	SPG 1.4T	1	
B06	3615302410	SUPPORTER TUB FL	SPG 1.4T	1	
B07	3615302510	SUPPORTER TUB FR	SPG 1.4T	1	
B08	3611413600	COVER BACK	SPG 0.4T	1	
B09	3618921500	ASSY CONDENSER	54.0μF L=470, #250, HOOK	1	
B10	3612603300	HANDLE CABINET	PP	1	
B11	3610068700	HARNESS OUTER	50/0.18 GN ST710489-2	1	
B12	3617702300	LEG FIX	THERMAL PLASTIC ELASTOMER	2	
B13	3610310200	BASE U	PP	1	
B14	3617702100	LEG ADJUST AS	DWF-1089W2	2	

NO	PARTS CODE	PARTS NAME	DESCRIPTION	Q'TY	REMARK
B15	3610808531	CABINET AS	PCM 50X1EA, 200*2EA	1	
B16	3611402711	COVER UNDER	PP-M/B	1	
C01	3616105400	BALANCER AS	100'S, HIDDEN	1	
C02	3611903300	FILTER	NYLON, 100*150	1	FILTER AS
C03	3611903000	FRAME FILTER	PP	1	(3611903100)
C04	3618815300	TUB	SUS	1	
C05	3612507210	GUIDE FILTER AS	HIDDEN FILTER(SUS 0.6T)	3	
C06	3616008600	SPECIAL BOLT	SUS	6	
C07	7122501611	SCREW TAPPING	T2 TRS 5x16 MFZN	12	
C08	3616008700	SPECIAL NUT	SUS	6	
C09	3616003700	SPECIAL SCREW	SUS 5.5X16	12	
C10	3618815501	TUB U	FRPP-M/B	1	
C11	4507D83080	SPECIAL NUT	SUS 304	1	
C12	3617200600	FLANGE TUB	ALDC12	1	
C13	3616007000	SPECIAL SCREW	SCM24H, 6.5 * 24	6	
C14	3610911200	CAP PULSATOR	PP	1	
C15	3616003720	SPECIAL SCREW	SUS 6 * 26.5	1	
C16	3619705510	PULSATOR AS	100M	1	
D01	3611417700	COVER TUB	PP	1	
D02	3618816400	TUB O	PP	1	
D03	4500D08210	HOSE	ID=4.0, L=530mm	1	
D04	3619804600	SUSPENSION AS	L=105*3, L=96.5	3	
D05	3619802600	SUSPENSION AS (B)	DWF-1094	1	
D06	3613225600	HOSE OVERFLOW	PE-LD	1	
D07	3613218500	HOSE DRAIN I AS	PELD+EVA, L=219.5	1	
D08	3615408400	VALVE DRAIN AS	100M	1	
D09	3610388500	BASE	SECEN 2.0T(ITI)	1	
D10	3616006900	SPECIAL SCREW	SCM24H, 6.5X18	4	
D11	3616007000	SPECIAL SCREW	SCM24H, 6.5X24	4	
D12	3612712200	HARNESS EARTH INNER	GREEN VSF(30/0.18)	1	
D13	3610070130	MOTOR SYNCHRONOUS	100-120V/50.60Hz	1	CONN. #250
D14	3611502101	CUSHION DOWN	POM(13MM)	2	
D15	3618961300	UNIT MOTOR AS	110/60Hz, RESIN	1	WIN44EB020
D16	3618403510	PULLEY MOTOR AS	M-TYPE DS=12 DP=52.5	1	
D17	7650802011	BOLT HEX	6B-1 8X20 PW(2*25), MFZN	2	
D18	3616590220	BELT V	M20.5, AGING	1	
D19	3617308900	GEAR MECHANISM	GM-2000-KS6B2	1	
D20	7341801511	BOLT HEX	6B-1 8X15 MFZN	4	
D21	3618301300	PROTECTOR GEAR	SBHG 1.6T	1	

■ Circuit Diagram



TATUNG

Service Manual

Auto Washer

Model: TAW-A130RFD



TATUNG CO.