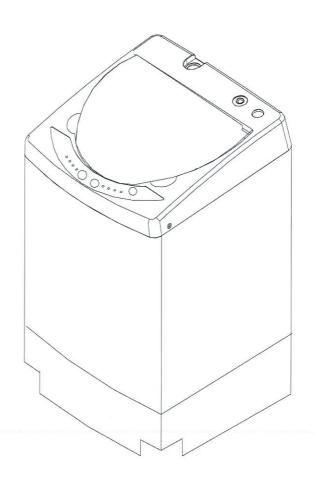
SERVICE MANUAL

FULL-AUTOMATIC WASHING MACHINE XQB22—22G

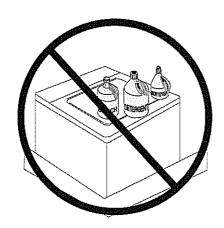


CONTENTS

Section A	Care and Cleaning
Section B	Avoid Service Checklist
Section C	Installation4
Section D	Simply Installation 5
Section E	PARTS LOCATION AND THEIR FUNCTION 7
Section F	Teardown 10
Section G	Common failure and Troubleshooting 11
Section H	Common failures of Electric parts 13
Section I	Exploded views and replacement part list 14

Section A Care and Cleaning

A WARNING Use care with laundry products. They can damage finish on the washer.



Inside

- Remove items from the washer as soon as the cycle ends. Excess wrinkling, color transfer, and odors may develop in items left in the washer.
- Dry the washer top, the area around the lid opening, and the underside of the lid. These areas should always be dry before the lid is closed.
- Before cleaning the washer interior, unplug the electrical power cord to avoid electrical shock hazards.
- When extremely soiled items have been washed, a dirty residue may remain on the tub. Remove this by wiping the tub with a nonabrasive household cleanser. Rinse thoroughly with water.

The washer interior or tub may become stained from fabric dye. clean these parts with nonabrasive household cleanser. This prevents dye transfer to future loads.

Outside

- When washing is completed, wipe top and sides of washer with a damp cloth. Turn water faucets off to prevent pressure build-up in the hoses.
- As needed, clean the cabinet with mild soap and water. Never use harsh, gritty or abrasive cleansers. If top or lid becomes stained, clean with diluted chlorine bleach. Rinse several times With clear water.
- Remove glue residue from tape or labels with a mixture of warm water and mild detergent. Or, touch residue with the sticky side of the tape or label.

Winterizing Instructions

If the washer is stored in an area where freezing can occur or moved in freezing temperatures, follow these winterizing instructions to prevent damage to the washer:

- 1. Turn off water supply faucets.
- Disconnect hoses from water supply and drain water from hoses.
- 3. Plug electrical cord into a properly grounded electrical outlet.
- 4. Set the WASH-DRAIN SELECTOR knob to DRAIN position, let washer drain for about 1 minute to drain out all water from wash tub.
- 5. If freezing happens to. put about 2 liter of warm water into the wash tub for 10 minutes. In the end drain out all water by step4.
- Set the WASH-DRAIN SELECTOR knob to NORMAL position, unplug electrical power cord, dry wash tub interior, and close lid.
- 7. Store washer in an upright position.

Where to put the washing machine:

- Keep the washing machine away from heavy sun shine.
- *Keep the washing machine away from moisture and rain.
- * Avold uneven and elastomeric ground.

Section B Avoid Service Checklist

Before calling for service, review this list. It may save both time and expense. The list includes common concerns that are not the result of defective workmanship or materials in this washer.

OCCURRENCE	POSSIBLE CAUSE	SOLUTION	
NOISE			
"Clunking" or gear sounds.	A certain amount of "clunking" or gear sounds are normal in a heavy-duty washer.	This is normal.	
Rattling and clanking noise.	Foreign objects such as coins or safety pins may be in tub or pump.	Stop washer and check tub. If noise continues after washer is restarted, objects may be in pump. Call your authorized servicer.	
	Belt buckles and metal fasteners are hitting wash tub.	To prevent unnecessary noise and damage to tub, fasten fasteners and turn items inside out.	
Squealing sound or hot rubber odor.	Washer is overloaded.	Do not overload washer. Stop washer and reduce load.	
Thumping sound.	Heavy wash loads may produce a thumping sound.	This is usually normal. If sound continues, washer is probably out of balance. Stop washer and redistribute wash load.	
Vibrating noise.	Washer is not resting firmly on floor.	Move washer so it rests firmly on floor.	
	Wash load unevenly distributed in tub.	Stop washer and rearrange wash load.	
	Some laundry outside the spin tub.	Put laundry into the spin tub.	
	Spin tub inner cover pressed well.	Take out some laundry, make the spin tub inner cover flat.	
OPERATING			
Washer does not start.	Electrical power cord may not be plugged in or connection may be loose.	Make sure plug fits tightly in wall outlet.	
Water in washer	Drain hose is kinked or clogged.	Clean and straighten the drain hose.	
does not drain or drains slowly.	Drain pump is clogged.	Take dirt outor call your authorized servicer.	
	1		

OCCURRENCE	POSSIBLE CAUSE	SOLUTION
Washer won't spin.	Lid is not completely closed.	Close lid completely.
Residue left in tub.	Heavily soiled items.	Wipe tub with a nonabrasive household cleanser then rinse. Shake or brush excess dirt and sand from items before washing.
Wash load too wet after spin.	Washer is overloaded.	Do not overload washer.
	Load is out of balance.	Rearrange load to allow proper spinning.
	Drain hose is kinked.	Straighten drain hose.
Waterdoes not enter washer or it enters	Water supply is not adequate in area.	Check another faucet in the house. Wait until water supply and pressure increase.
slowly.	Water supply faucets are not completely open.	Fully open water faucets.
	Water is being used elsewhere in the house.	Water pressure must be at least 30 psi (260 kPa) Avoid running water elsewhere while washer is filling.
	Water inlet hoses are kinked.	Straighten hoses.
Water level does not cover load.	Improper water level selection (for models with water level).	Select higher water level.
	Washer is overloaded.	Do not overload washer.
Water leaks.	Fill hose connection at faucet or washer.	Check and tighten hose connections. Install rubber sealing washers provided.
	House drain pipes are clogged.	Unclog drain pipes. Contact plumber if necessary.
	Water pressure is bigger.	Turn on water faucet smally.

Section C INSTALLATION

INSTRUCTIONS

Before beginning installation, carefully read these instructions. This will simplify the installation and ensure the washer is installed correctly and safely. Leave these instructions near the washer after installation for future reference.

NOTE: The electrical service to the washer must conform with local codes and ordinances •

ELECTRICAL REQUIREMENTS

CIRCUIT - Individual, properly polarized and grounded 15 amp. branch circuit fused with 15 amp. time delay fuse or circuit breaker.

OUTLET RECEPTACLE - Properly grounded 3-prong receptacle to be located so the power supply cord is accessible when the washer is in an installed position.

GROUNDING REQUIREMENTS

A WARNING Improper connection of the equipment grounding conductor can result in a risk of electrical shock. Check with a licensed electrician if you are in doubt as to whether the appliance is properly grounded.

- Power supply cord with 3-prong grounding plug Dont, under, any circumstances, cut, remove or by pass the grounding prong.
- The washerMUST be grounded. In the event of a malfunction or breakdown, grounding will reduce the risk of electrical shock by a path of least resistance for electrical current.
- 3. Since our washeris equippedwith apower supply cord having an equipment-grounding conductor and a grounding plug, the plug MUST be plugged into an appropriate, copper wired receptacle that is properly installed and grounded in accordance with all local codes and ordinances or in the absence of local codes, with the National Electrical Codes. If indoubt.

call a licensed electrician. **DO NOT** cut off or alter the grounding prong on the power supply cord. In situations where a two-slot receptacle is present, it

is the owner's responsibility to have a licensed electrician replace it with a **properly grounded** three prong grounding type receptacle.

- 4. For added personal safety, connect a separate Ground wire from atop panelhinge screwon the rear of the washer to a grounded cold water pipe DO NOT ground to a gas supply pipe or hot water pipe.
- continuity to electrical ground it! MUST not be interrupted by plastic, rubber, or other electrical insulating connectors such as hoses, fittings, washers, gaskets (including water meter or pump). Any electrically insulated connector should be jumped with copper wire securely clamped to bare metal at both ends.
- 6. If a grounded water pipe is not available, a Ground rod MUST be used Drive the rod into the ground outside the dwelling and connect a grounding wire between the grounding screw and the grounding rod it may take to Ground.

AWARNING Destroy the carton and plastic bags after the washer is unpacked. Children might use them for play. Cartons covered with rugs, bedspreads, or plastic sheets can become airtight chambers causing suffocation. Place all materials in a garbage container or make materials inaccessible to children.

A WARNING The instructions in this manual and all other literature included with this washer are not meant to cover every possible condition and situation that may occur. Good safe practice and caution **MUST** be applied when installing, operating and maintaining any appliance.

Maximum benefits and enjoyment are achieved when all the Safety and Operating instructions are understood and practiced as a routine with your laundering tasks.

Section D Simply installation

The washing machine should be placed inside the room with a flat floor, which is convenient for water supply and drain, has low moisture and no direct sunshine, and does not freeze in winter.

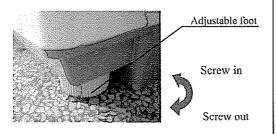
Please adjust the washing machine even according to the instructions below to make the washing machine run steadily in low noise.

- Screw in or screw out the adjusting foot to make the four foot placed even on the floor.
- 2. When the floor is slanting or uneven, it is not easy to make even only by the adjusting foot. Then the rubber band can be added to the unflat place.
- 3. Use gradienter to check whether the washing machine is placed flat.

Notices:

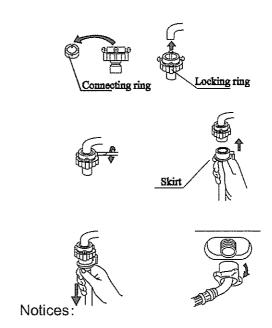
If the washing machine is not placed flat it may

cause great vibration or automatic check and rectificationer other abnormal



Installation of water inlet hose

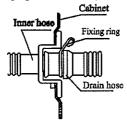
- 1. Check the tap mouth. Make sure every part of the tap mouth is on the same surface. If not, make it smooth with the given file
- 2. Loosen the locking ring slightly: Screw four screws into universal connector at the same distance.
- 3. Put the tap deeply into the universal connector then screw in the screws.
- 4. Screw tight the locking ring clockwise at the most.
- 5. Pull the skirt of one end of the water inlet hose downwards, and then plug in the universal connector. A
 - sound of "KA-TA" means proper connection.
- 6. Grasp the water inlet hose by hand and pull it downwars to see whether it is secured
- 7. Screw the nut on the other end.



- After end of inlet hose installation, do not immediately switch on the power. Open the tap and let water go over both ends of the inlet hose and check whether occur the leakage. If the inlet hose is difficult to install because of the tap, you can invite the experienced person for help.
 - The color of the hot water inlet hose ends

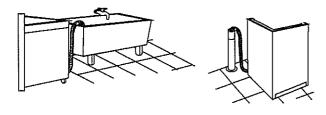
Installation of drain hose

Nip the fixing ring with hand to make it loose and engaged on the drain hose and put the drain hose into the leading skirt of drain hose in the bottom of the washing machine to the end at the most (soak the head of the drain hose in warm water, it will make the engagement easy).



Notices:

- Drain fault lbe caused when the drain hose is blocked.
- Drain hose must be placed at least 75cm



Power source and grounding

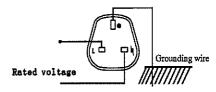
The washing machine employs alternative current With the rated voltage

ConformS with the power source of the Cables. A special power socket for the washing machine had better be set beside the washing machine for convenience and safety. The method of connection of the

Notices:

The socket and the grounding wire must be installed by an electrician to prevent incorrect installation or use of the socket, and to guarantee the safety of use of electricity

The power wire of the washing machine employs Y connection and the replacement of the power wire should be carried out by professionals.



Simple operation

- Before operation, please open the Lid.
- 2. Put the clothes into washing tub and Close the lid.
- 3. Put the detergent into the water inlet case.
- 4. Plug the cord into the socket, switch on th power..
- 5. Turnon the tap connected to the two water inlet hoses.
- 6. Press "Power" button.
- 7. Press "Start/Pause" button. The washing machine will go into operation automatically as programmed.

Electronic program controller Located in the top frame, the electronic program controller offers power and instructions to components of the washer.

The electronic program controller controls washing model and program mainly by driving motor , tractor and pump.

The controller rectifies washer by feedback of safety switch, and confirms water level with the setting by water level switch.

Water level switch
The water level switch is located in
the top frame. It is made up of a
button and gear assembly that allows
the user to adjust the water level in
the tub.

The adjustable pressure switch, plastic hose are connected to the outer tub.

When the tub dose not have water in it, the air in the plastic hose is at atmospheric pressure then the switch inputs an analog variable to electronic program controller. as water enter the tub the air in the tube is compressed; accordingly the switch inputs another analog variable to electronic program.

Safety switch

The safety switch assemblyis a safety device that removes power from the motor circuits when the cover is lifted during spinning. The safety switch is mounted to the bottom of the top frame.

Pulsator

The pulsator is located in the center of the inner tub. The pulsator is driven by the shaft of the transmission and rotates back and forth to moves the clothes through the water.

Bleach dispenser

The bleach dispenser is mounted on the inner tub.

Water inlet valve

The water valve is mounted to the rear top frame. The water inlet valve is tow solenoid operating valves — a hot water valve and a cold water valve.

Drain pump (nought)

The drain pump is mounted on the Bottom of the out tub, it is controlled by electronic program controller.

The motor

The motor is mounted to transmission mounting plate. The motor is a capacity start, bi-directional motor, it drives the transmission by a belt.

The tractor

The tractor is mounted to transmission mounting plate, it is controlled by electronic program controller. When the tractor run, it change clutch to enter into spinning status.

Suspension rod complete

Suspension rod complete is composed of metal rod ,plastic shell and damping spring. It is the key damping device.

Clutch

The top of the transmission is centered in the outer tub by a bearing and seal assembly

Inner tub

The inner tub is mounted to the top of the clutch. In the process of wash, it stands still. When spin, it runs simultaneously at one-way direction with pulsator.

Belt

The belt connects motor pulley with clutch.

Assembly of electric capacitor and inductance

The assembly of electric capacitor and inductance is mounted at the .

Back of the washer

Cabinet, It is mainly used to start motor

The emergency warning function

No.	Description		
	If error occurs, the buzzer will beep for 10 seconds, the type of trouble light will turn on and		
	if doesn't operate the machine .at the same time, the buzzer will repeat the beeps every		
	14min and 50 seconds. If consumer doesn't operate the machine with one hour, the controller		
	will turn off the power switch automatically.		
	The following describes the error and recommended treatment.		
E0	Power trouble		
E1	Inlet water for more than 1 hour.		
E2	Drain water for more than 5 minutes.		
E3	The lid has been opened.		
E4	The tub bumps the safety switch three times.		
E 8	The water level sensor fails.		

SECTION F TEARDOWN

This section will describe how to remove components from a top load washer. Unless stated, the procedure will be the same on all top load washers. Unless stated, reverse the procedure to reinstall the component.

A WARNING Always remove electrical power from the washer when working in an area where electrical power is present.

removing the top lid

open the top lid, demount the pin fixed on the top lid with tools, then remove the top lid by gentle way

removing the back cover

use cross—style screwdriver to demou nt thethreescrews fixed on the back cover, then the back cover can be removed without difficulty

removing control panel

for some models, the control paneland the top lid is an integrated part and can not be disassembled. Most of the mod els, the controlpanel can be remo ved. First, open screw cap with screwdriver, demouat the two screws. Second push the colltrol panelfrom lefto right

removing the top frame

first open the screw cap, then demount the screw with screwdriver open the back cover, then demount the safety switch based on different condition

Removing the safety swtich

Demount the screw with Screwdriver, open the back Cover, then, press one end ofthe fastener of the safety switch, then draw it out from the slot.

removing the motor and pulley

First of all, outer tub assembly should be removed. Demou nt the two fastening screw on the motor then the motor is demounted, at the same, the motor pulley is removed for it is connected with the axis of the motor

SECTTON G Common failure and Troubleshooting

Failure	Inspection	Recommended	
	(1). not plug the power cord		
	(2). No power supply n the wall	(1) plug again (2) wait for power supply	
	socket.	(3)replace power switch	
No power	(3). power switch fails	(4) replace fuse	
	(4). fuse burnt (5) controller fails	(5) replace controller	
	(6) novement fails	(6) replace powercord	
	(6) power or fire	(1) wait for nower supply or	
	(1). no power supply or fuse burnt?	(1) wait for power supply or replace fuse	
	(2). no water supply or water	(2) wait for water supply or	
	pressure too low?	water pressure resume	
No water in		(3) replace inlet valve (it is	
•	damaged?	normal that slight	
	(4) the filter on the inlet valve	electromagnetic noise can be	
	is blocked with dift	heard while valveis energized)	
	(5). [start/pause] is not pressed	(4) cleandirt on the filter	
	after pressing the power	(5)Press [start/pause] again	
	switch?	(1) replace the programs gratch	
	(1) pressure switch fails (2) controller fails	(1) replace the pressure switch	
	(3) the capacitor fails	(2) replace controller (3) replace the capacitor	
	(3) the capacitor fails (4) the motor fails	(4) replace the motor	
	(5) belt is broken	(5) replace the V-belt	
No washing	(6) the pulley wheel of the clutch	(6) replace the pulley wheel	
action	cracks	of the clutch	
action	(7) Pressure hose on the tub	(7) Re -connect the pressure	
	falls off	hose	
	(8) Pressure hose leakage, clogged		
	or bent.	adjust the hose	
	(9)Impeller breaks away from the	(9) fit or replace the impeller (10) wait until the voltage	
	washing axial (10) low power voltage	resumes normal	
	(11) transmission gear of the	(11) replace the clutch	
	clutch is damaged	(11) replace the elaten	
	(1) pump fails	(1) replace the pump	
	(2)controller fails	(2) replace the controller (3) take the dirt out	
No draining	(3)pump is clogged	(3) take the dirt out	

No spinning	 (1) the door switch fails (2) the door cover is not closed (3) tractor fails (4) pawl of the clutch is not opened (5) the belt is loosing (6) the capacitor fails (7) the motor fails (8) the ontroller fails (9) the friction spring of the clutch fails (10) clothes is not evenly distributed during spin 	(4) re-adjust the position of the pawl (5) adjust the tightness of the belt (6) replace the capacitor (7) replace the motor (8) replace the controller (9) replace the friction spring of the clutch (apply 1# extreme pressure lithium based grease on both inner and outer walls
much noise during wash much noise during spin	(1) the clutch fails (2) much noise from the motor (3) the belt is broken (4) lack grease at top and bottor of the suspensionrod (1) clothes is not evenly distributed when spin (2) the balance ring leaks salt water (3) the adjustable feet are not well-adjusted (4) unleveled ground (5) the clutch fails (6) much noise from the motor (7) the n ut for impeller is loosing (8) the pulley wheel of notor is loosing (9) grease lack at top and bottom of the suspension rod	and bottom of the suspension rod (1) put clothes uniformly (2) replace the balanceing (3) adjust the adjust lefeet (4) level the machine (5) replace the clutch (6) replace the motor (7) replace or fasten the nut (8) f asten the screw of the motor pulley wheel (9) add grease (ZN -91) at top and bottom of the suspension rod

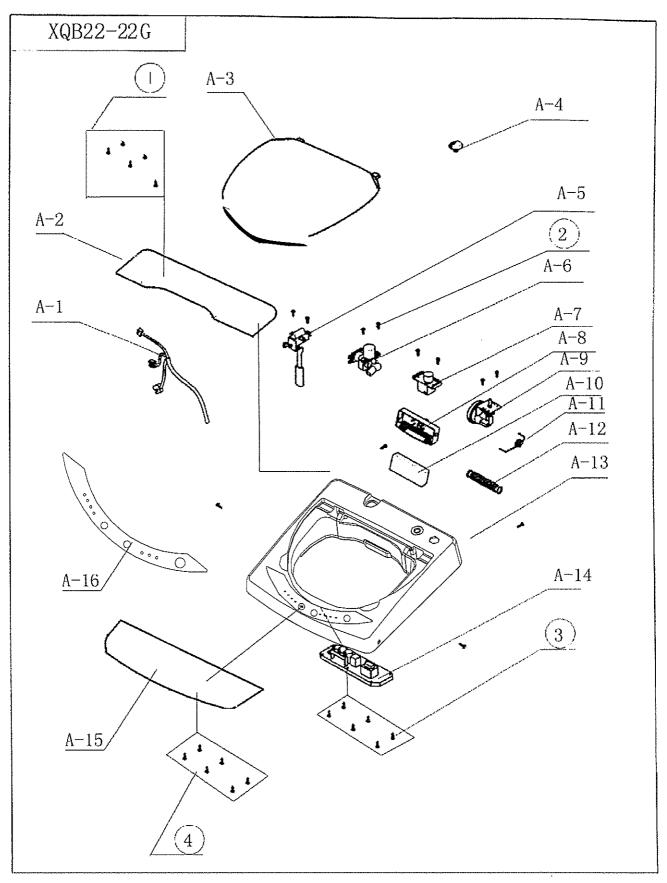
SECTION H Common failures of Electric parts

No.	failure	Possible Cause	Check/Repair
1	no motor	the controller has no signal output	replace the controller
	running or	the capacitor fails	replace the capacitor
	abnormal	Clutch friction spring gets stuck.	Replace the clutch friction spring
	noise	the axial sleeve of the motor worn out	replace the motor
		the motorwinding is shorter opencircuit	replace the motor
		others	
2	No capacity or insufficient capacity	the capacitor fails	replace the capacitor
3	non-stop	Pressure switch hose leakage	Re-connecting the hose or replace it
	water entering	Pressure switch doesn't activated.	replace thepressure switch
	or no water	the controller fails	replace the controller
	entering	winding of the vale shortor oper circuit	replace the valve
		Hydraulic part of the valve fails	replace the valve
		filter of the valve blocked	clean the filter
		others	
4	No activation	The clutchpawl gets stuck	Adjust the clutch paw
	or not reset	the controller fails	replace the controller
		Failure inside the motorized activator	replace the activator
		others	•
5	No setting or	Pressure sensor hose leakage	Re-connecting the hose or replace it
	resetting	the controller fails	replace the controller
		failure inside the water level sensor	replace the watepressure sensor
		others	
6	Leaking or	Pressurize abating of water pump	replace the drain valve
	No draining	the drain valve is blocked with dirt	take dirt out
		the short circuit or open circuit of Water	replace the drain valve
		failure inside the water level sensor	replace the water pressure sensor
		the controller fails	replace the controller
		others	•

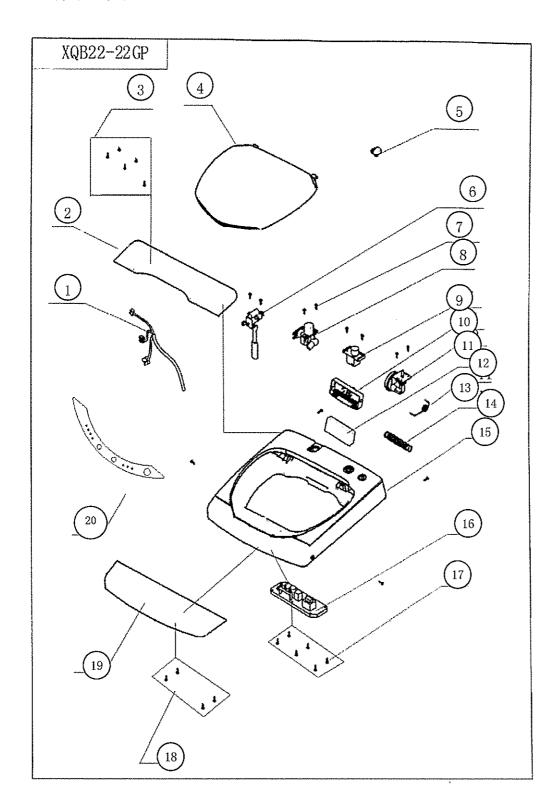
SECTION I Exploded views and replacement part list

Exploded views

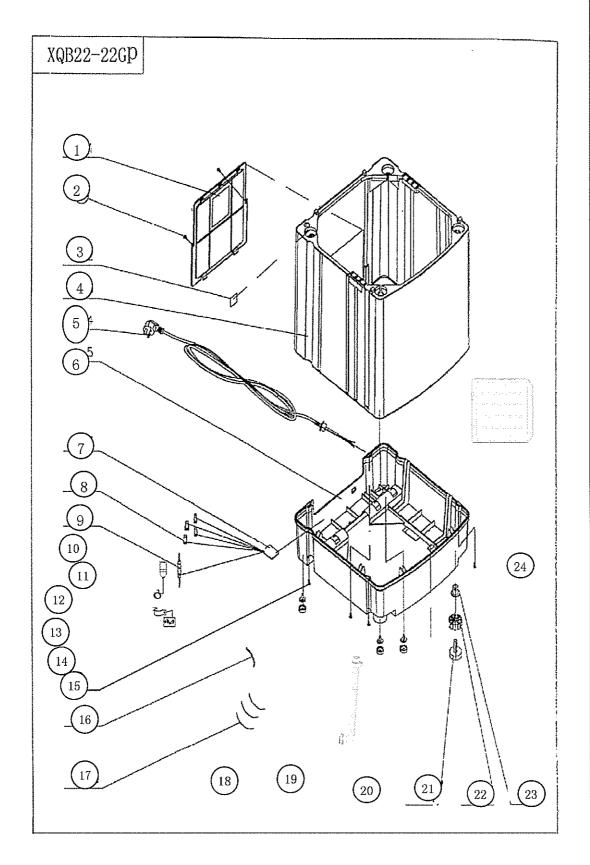
A. WORKTABLE PARTS



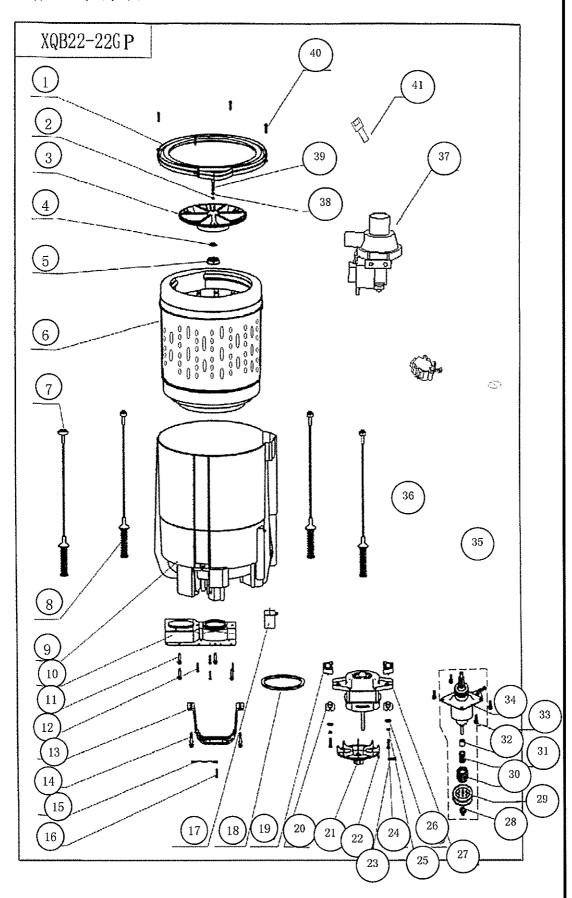
A. 工作台部装



B.BODY PARTS



C. 脱盛水部装



No.	Part Name	Quantity	BOM code	Remark
A-1	INTERNAL WIRE AND CONNECTOR	1		
A-2	BACK SHEET	1		
A-3	TAPPING SCREW	5		
A-4	LID	1		
A-5	PRESSURE SWITCH KNOB	1		
A-6	LID SWITCH	1		
A-7	TAPPING SCREW	2		
A-8	WATER INLET VALVE	1		
A-9	POWER SWITCH	1		
A-10	NOZZLE	1		
A-11	PRESSURE SWITCH	1		
A-12	NOZZLE SUBASSEMBLY	1		
A-13	TWIST SPRING	1		
A-14	WATER INLET HOSE	1		
A-15	WORKTABLE	1		
A-16	PCB	1		
A-17	TAPPING SCREW	6		
A-18	TAPPING SCREW	4		
A-19	FRONT SHEET	1		
A-20	CONTROL PANEL PLATE	1		

No.	Part Name	Quantity	BOM code	Remark
B-1	REAR COVER PLATE	1		
B-2	TAPPING SCREW	2		
B-3	electric parameter sticker	1		
B-4	upper CABINET	1		
B-5	POWER LINE	1		
B-6	nether CABINET	1		
B-7	INSULATING BAG	1		
B-8	INSULATING CONNECTOR	1		
D-0	INSULATING CONNECTOR	6		
B-9	FUSE SUBASSEMBLY	1		
B-10	MOTOR CAPACITOR SUBASSEMBLY	1		
B-11	CAPACITOR CLAMP	1		
B-12	WASHER 4	1		
B-13	SPRING WASHER	1		
B-14	SCREW M4X18	1		
B-15	TAPPING SCREW	4	:	
B-16	PLASTIC CABLE TIE	1		
B-17	IRON CABLE TIE	3		
	MIDDLE PIPE tie-in	1		
B-19	UP DRAIN PIPE	1		
B-20	SNAP RING	1		
B-21	LEVELING LEG	1		
B-22	KNOB	1		
B-23	STATIONARY LEG	3		
B-24	BASE PLATE	1		

No.	Part Name	Quantity	BOM code	Remark
C-1	OUTER TUB COVER	1		
C-2	O-RING	1		
C-3	PULSATOR	1		
C-4	PULSATOR ADJUSTINGWASHI	1		
C-5	BIG NUT	1		
C-6	INNER TUB	1		
C-7	FRONT SUSPEND SYSTEM	2		
C-8	REAR SUSPEND SYSTEM	2		
C-9	OUTER TUB	1		
C-10	BASE PLATE	1		
C-11	SPECIAL TAPPING SCREW	4		
C-12	SPECIAL TAPPING SCREW	4		
C-13	BRACKET	1		
C-14	BOLT	4		
C-15	EARTH WIRE	1		
C-16	SPECIAL TAPPING SCREW	1		
C-17	CAPACITOR	1		
C-18	V-BELT	1		
C-19	UP CUSHION	2		
C-20	DOWN CUSHION	2		
C-21	MOTOR PULLEY	1		
C-22	NUT	1		
C-23	BOLT	1		
C-24	BOLT	2		
C-25	WASHER	2		
C-26	WASHER	2		
C-27	MOTOR	1		
C-28	SPECIAL NUT	1		
C-29	CLUTCH PULLEY	1		
C-30	RATCHET WHEEL	1		
C-31	EMBRACE SPRING	1		
C-32	CLUTCH CASE	1		
C-33	CLUTCH BOLT	4		
C-34	CLUTCH	1		
C-35	the lid of overflow	1		
C-36	MOTOR RETRACTOR	1		
C-32	DRAIN PUMP	1		

C-38	T.L.WASHER	1	
C-39	IMPELLER SCREW	1	
C-40	TAPPING SCREW	4	
C-41	FILTER	1	