



WASHING MACHINE

LAVE-LINGE / LAVADORA

Technical Information

Informations techniques / Información técnica

Models / Modèles / Modelos : WA52J8060A*/WA52J8700A*

- To avoid property damage, personal injury, and/or death, contact an authorized technician for servicing or repair of this unit.
- Refer to the Service Manual for detailed installation, operating, testing, troubleshooting, and disassembly instructions.
- Afin d'éviter des dommages matériels, des blessures corporelles et/ou mortelles, demandez à un technicien qualifié d'effectuer les opérations d'entretien ou de réparation de cet appareil.
- Reportez-vous au manuel de réparation pour connaître les consignes d'installation, d'utilisation, de test, de dépannage et de démontage détaillées.
- Para evitar daños materiales, lesiones o muerte, comuníquese con un técnico autorizado para realizar el mantenimiento de esta unidad o para repararla.
- Consulte el Manual de servicio para obtener instrucciones detalladas de instalación, funcionamiento, prueba, solución de problemas y desensamble de la unidad.

CAUTION / ATTENTION / PRECAUCIÓN

Follow all safety information provided in the Service Manual.

Respectez toutes les consignes de sécurité figurant dans le manuel de réparation.

Siga toda la información de seguridad proporcionada en el Manual de servicio.

WARNING / AVERTISSEMENT / ADVERTENCIA

To avoid electrical shock, personal injury and/or death, disconnect power to the washer before servicing, unless testing requires power.

Afin d'éviter une électrocution, des blessures corporelles et/ou mortelles, débranchez le lave-linge avant de procéder aux réparations (sauf si le test nécessite sa mise sous tension).

Para evitar riesgos de descarga eléctrica, lesiones o muerte, antes de realizar el mantenimiento desconecte la alimentación de la lavadora a menos que la prueba requiera que esté conectada.



DC68-03132J-01

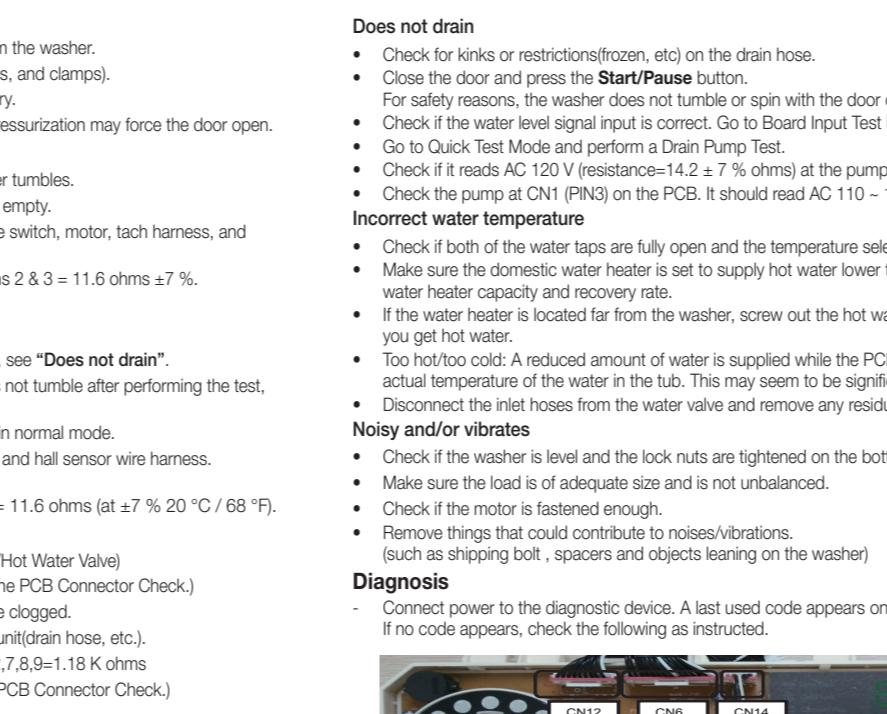
INFORMATION CODES

NO	Information Code	Meaning	Action
1	UB	Unbalanced load prevents washer from spinning.	Redistribute the load, and then press the Start/Pause button.
2	dC1	The washer did not properly lock the door.	Make sure the door is firmly closed. Restart the washer. If the code reappears, call customer service.
3	SC	The washer does not drain. The washer may detect a small clog while draining.	1. Restart the washer. 2. Select the Spin Only cycle. 3. Press the Start/Pause button to drain the water. If the washer still does not drain, call customer service.
4	4C	Your Washer has tried to fill but was unsuccessful. Check if the hot water supply hose is connected.	Check for the water taps and hoses connection/hose bent and inlet screens). If using a flood safety device, remove the device and directly connect the water hoses to the washer. The hot water supply hose must be connected because the Auto Temperature Control (A.T.C) function supplies hot water if the temperature of cold water is lower than 59 °F.
5	tC1	Temperature sensor problem.	Restart the washer. If the code reappears, call customer service.
6	3C	Motor problem.	
7	dc	Lid is open when washer is running.	Close the lid tightly and restart the cycle. If the code reappears, call for service.
8	dC1	Your washer failed to lock the lid.	
9	LC	Water level problem.	
10	OC1/C	Water level sensor problem.	
11	bC2	Jammed button.	
12	AC	Communication error (SUB sensor) PBA ↔ MAIN PBA.	
13	AC3	Communication error (DR Module ↔ MAIN PBA).	
14	AC4	Communication error (WIFI PBA ↔ MAIN PBA).	
15	AC5	Communication error (LCD PBA ↔ MAIN PBA)	
16	AC6	Communication error (Inverter PBA ↔ MAIN PBA)	
17	8C/8C2	MEMS sensor problem.	
18	4C2	This occurs when the temperature exceeds 50, for over 8 seconds in the Wool and Delicates course.	
19	PC	When position of the clutch can't be detected.	
20	PC1	After position of the clutch is detected, if the clutch position is wrong, occurs error.	
21	Sud/Sd	The washer has detected too many suds. The washer will stop operating until the amount of suds has reduced. The washer will then resume normal operation.	

TEST MODES

NO	Mode	How to enter
1	Quick Test	Quick Test - All LEDs On for 30 sec (include 7-Segment) - S/W Version displayed - rest all devices using buttons - Spin + Soil Level + Power

English



TROUBLESHOOTING

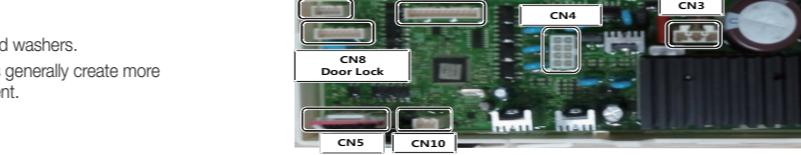
Trouble diagnosis

Because the micom for a washer is a complicated structure, a service call may be required.

Below is information for exact trouble diagnosis and proper repair guidelines.

Cautions for repair and replacement

Please follow the below instructions for trouble diagnosis and parts replacement.



POWER SUPPLY PLUG

1. Because some electronic components are damaged by the charged static electricity from the resin from a machine or the human body, prepare the human body by grounding it to the earth, or remove the potential difference of the human body and machine by contacting the power supply plug when contacting the PCB.

2. Because AC 120 V is applied to the triac T1 and T2 on the PCB, electrical shock may occur by contacting. Take caution that the strong and weak electricity are not mixed.

3. Do not replace the PCB assembly unless it's found defective by a strict diagnosis. Follow the trouble diagnosis procedure if the micom is not operating normally.

Does not start

• Plug the washer into the wall outlet. Check for proper voltage.

• Check the fuse or reset the circuit breaker.

• Close the door and press the Start/Pause button to start the washer.

• Check if the washer is in a pause, soak, or suds process. Wait briefly and it may start.

(If the washer is in a suds process, 'Suds' will light up instead of the remaining time.)

• Check for a restricted drain system. (If there is an electrical problem with the drain system, "NO DRAINING" error will occur after 15 minutes.)

• Check the water supply and the line, or water valve screen filter.

• Check if the PCB connectors (especially CN6) are connected to the LCD/LED module properly. Replace the PCB if an error is detected.

Leaks

• Make sure the inlet hose and drain hose connections are not leaking.

• Check for rubber gasket damage due to over tightening.

• Check the standpipes for leaks. Wrap a dry rag around the standpipe opening.

If the rag becomes wet, the leak is due to home plumbing.

Does not drain

• Check for kinks or restrictions/frozen, etc) on the drain hose.

• Close the door and press the Start/Pause button.

• Check the rubber boot. Remove, reposition, and reinstall if necessary.

• Check kinks in the dispenser hose to the outer tub. Hot water pressurization may force the door open.

For safety reasons, the washer does not tumble or spin with the door open.

• Check if the water level signal input is correct. Go to Board Input Test Mode.

• Go to Quick Test Mode and perform a Drain Pump Test.

• Check if it reads AC 120 V on the PCB. It should read AC 110 ~ 120 V.

Machine will not start

• Start an empty, normal cycle and allow it to fill to check if the washer tumbles.

• Perform a Quick Spin Test. Before testing, make sure the tubler is empty.

• Check for loose connections at the machine control board, pressure switch, motor, tach harness, and motor control. (Refer to the component testing procedures.)

• Check motor windings resistance. CN8 Pins 1 & 3 / Pins 2 & 3 = 11.6 ohms ± 7 %.

Machine does not spin

• Make sure the door is completely closed.

• Check for remaining water in the washer. If there is remaining water, see "Does not drain".

• Perform Quick Spin Test. (Make sure the washer is empty). If it does not tumble after performing the test, replace the PCB. If the problem persists, replace the motor.

• If the washer spins, check for a possible unbalanced load scenario in normal mode.

• If the water heater is located far from the washer, screw out the hot water tap and let the water flow until you get hot water.

• Too hot/too cold: A reduced amount of water is supplied while the PCB controls the influx to regulate the actual temperature of the water in the tub. This may seem to be significantly hotter/colder than expected.

• Disconnect the inlet hoses from the water valve and remove any residue from the inlet screens.

Noisy and/or vibrates

• Check if the washer is level and the lock nuts are tightened on the bottom plate.

• Make sure the load is of adequate size and is not unbalanced.

• Check if the motor is fastened enough.

Water does not fill

• Perform Quick Test Mode. Visually check all the water valves. (Cold/Hot Water Valve)

• Make sure taps are fully open. Check water lever sensor. (Refer to the PCB Connector Check.)

• Check if there are any kinks in the inlet hoses and if inlet screens are clogged.

• Check if there is enough water pressure and any frozen area in the unit(drain hose, etc.).

• Measure the resistance of the water valve coil. CN6 Pin1/CN1 Pin1,2,7,8=1.18 K ohms

• Check pressure SW and PCB for loose connections. (Refer to the PCB Connector Check.)

Water does not fill

• Perform Quick Test Mode. Visually check all the water valves. (Cold/Hot Water Valve)

• Make sure taps are fully open. Check water lever sensor. (Refer to the PCB Connector Check.)

• Check if there are any kinks in the inlet hoses and if inlet screens are clogged.

• Check if there is enough water pressure and any frozen area in the unit(drain hose, etc.).

• Remove things that could contribute to noises/vibrations. (such as shipping bolt, spacers and objects leaning on the washer)

Diagnosis

• Connect power to the diagnostic device. A last used code appears on the display.

• Verify if the code is present.

• Verify if the water distribution on the curve exterior is not filled. The water pressure of the eau

Wet clothes

• Launch a cycle normal à vide and laissez se dérouler un cycle de remplissage pour vérifier la rotation du tambour du lave-linge.

• Effectuez un test de l'essorage rapide. Avant le test, assurez-vous que le tambour est vide.

• Vérifiez les connexions au niveau du panneau de commande de la machine, du pressostat, du moteur, du faisceau électrique du tachymètre et de la commande du moteur. (Reportez-vous aux procédures de test des composants.)

• Vérifiez la résistance des bobines du moteur.

CN8 Broches 1 & 3 / Broches 2 & 3 = 11.6 ohms ± 7 %.

The washing machine does not spin

• Verify if the hub is well.

• Verify the quantity of water remaining in the lave-linge. Si il reste de l'eau, reportez-vous à « Lave-linge ne se vidange pas ».

• Effectuez un test de l'essorage rapide. (Assurez-vous que le lave-linge est vide) En cas d'absence de rotation du tambour après avoir effectué le test, remplacez la carte de circuit imprimé. Si le problème persiste, remplacez le PCB.

• Si le lave-linge procède à l'essorage, vérifiez s'il s'agit d'un problème de déséquilibre de la charge en mode normal.

• Vérifiez les éventuelles connexions desserrées au niveau du faisceau électrique de la carte de circuit imprimé, du capteur de niveau d'eau, du moteur et du capteur à effet Hall. (CN7, CN5, CN6) Reportez-vous aux procédures de test des composants.

• Vérifiez la résistance des bobines du moteur.

CN8 Broche 1 & 2 / 1 & 3/ 2 & 3 = 11.6 ohms (à ± 7 % 20 °C / 68 °F).

The washing machine does not fill

• Lancez le Mode de test rapide. Procédez à un contrôle visuel de l'état de toutes les vannes d'arrivée d'eau.

• Respectez

