



LG Styler LG Electronics, Service Engineering Manual

Caution

Make sure that you read this Service Engineering Manual carefully for proper troubleshooting and better service.

Safety Precautions

This service engineering manual is used for product repair. Repair work, even if it is minor, may cause injury or fire. Manufacturer or seller of this product is not responsible for the problem that occurs due to misassembly of the product.



Caution

Be sure to pull out the power cord before you service the product. If you need power supply for diagnosis or test, pull out the power cord immediately after performing the necessary check.

Be sure to wear safety gloves and goggles when you repair the product in order to prevent injury or accident.

Reconnecting the Ground Wire

Be sure to reconnect the ground wire if you disconnected it for product repair.

Safety Precautions

1. First, check if the short circuit has occurred in the main body.
2. When you are handling the electric parts, be sure to pull out the power cord before you work on it.
3. If you need to test the product while power is being applied, be sure to wear rubber gloves to prevent electric shock.
4. When you use gauges, be sure to check the rated current, voltage, and capacity.
5. Make sure that water does not get into electric parts around the machine room.
6. When you tilt the product to front or rear, remove the objects on top of the product to prevent them from falling. Especially, be careful of thin objects (e.g. glass panel).
7. When the heat pump cycle is damaged, you should contact the LG repair shop.
(This is to prevent the refrigerant gas inside the cycle from contaminating the house.)
8. Be extra careful when you perform repair that may cause safety accidents to ensure the safety of the customers.

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1

Product Specifications



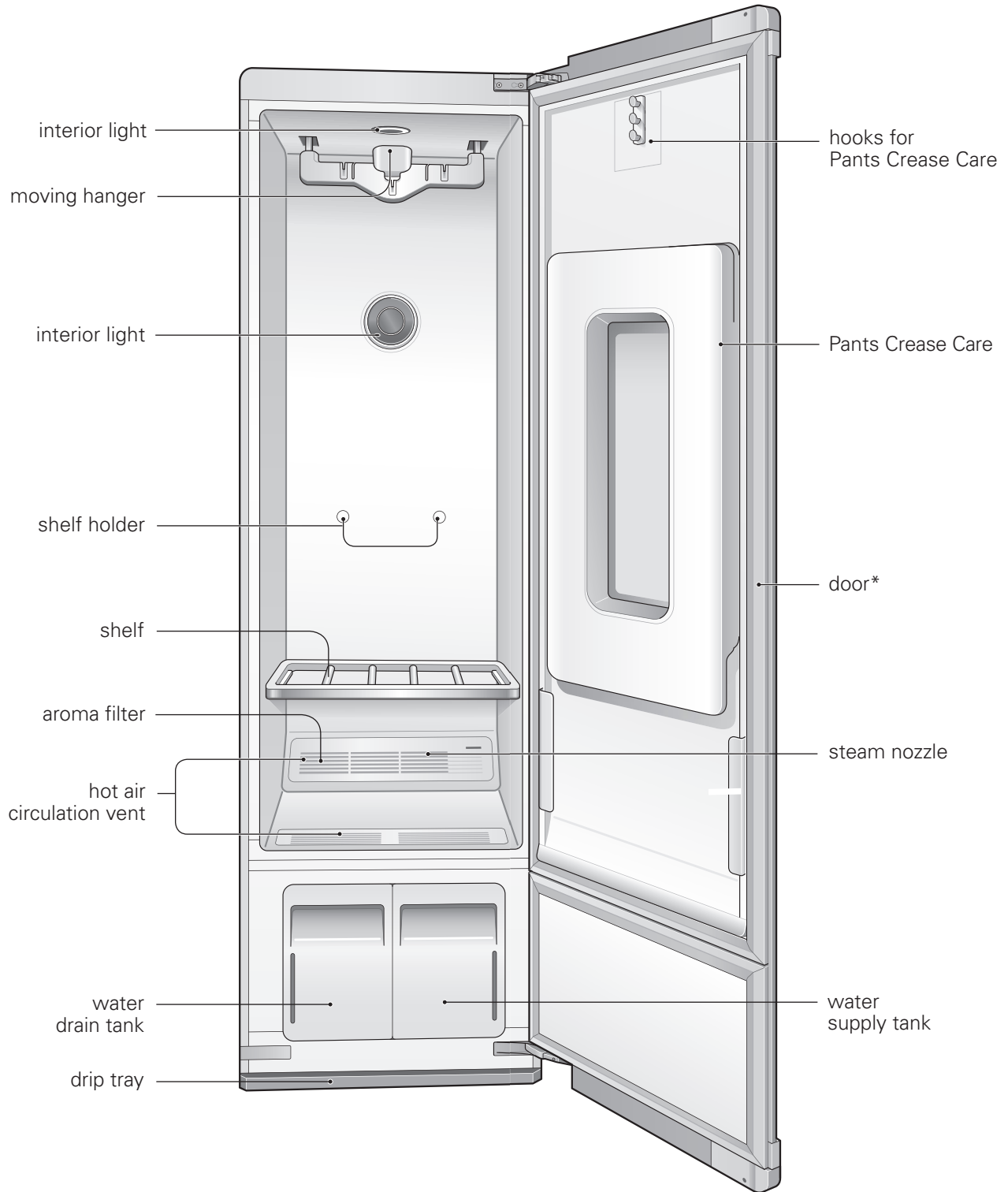
- Product name: electronic machine for maintaining clothes
- Rated power: 120V/60Hz
- Dimensions: 445(W)×585(D)×1,850(H)
- Capacity: 4 clothes (top: 3, bottom: 1)
- Weight: 83Kg

Product specifications may be changed by the manufacturer.

Model Name	S3RERB	Key Features	Styling, sterilization, and drying
Capacity	Top: 3, bottom: 1 (3.9 kg)	Additional Features	Download Courses Smart Diagnosis, One-touch Styling
Rated Power	120V, 60Hz	Sensor Type	Micom electronic control
Product Weight	83Kg	Water Supply	Water supply cartridge + Pump
Drying and Circulation	Condensation circulation (Heat pump cycle)	Water Drain	Water drain cartridge + Pump
Dimensions	445(W)×585(D)×1,850(H)	Schedule Function	Available

PRODUCT OVERVIEW

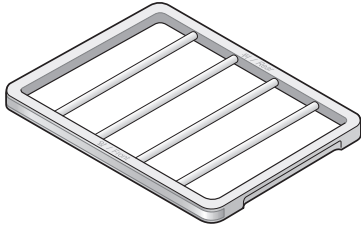
PARTS



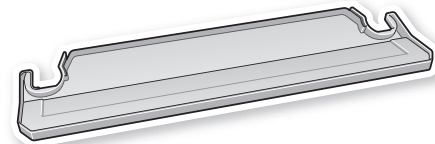
* The door swing can be reversed by the installer to fit the installation location.

ACCESSORIES

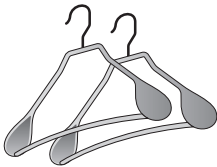
Included Accessories



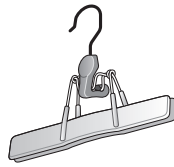
shelf
MCK67970601



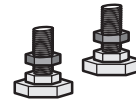
drip tray
AHT74073801



2 hangers*
AEE73149701
AEE73189601



pants hanger*
AEE73189701



2 rear leveling feet



4 carpet install spikes



2 non-skid pads
MHK61866301



anti-tip kit



2 rear cap covers
MBL65818001



wrench



2 hinge covers
3550JA3143A

*An ordinary metal/plastic hanger can be used if the hook is less than 5/32 in. (4 mm) thick. The hook must fit in the indentation in the moving hanger snugly. If the fit is too loose, it may result in vibration, noise, and damage to clothing.

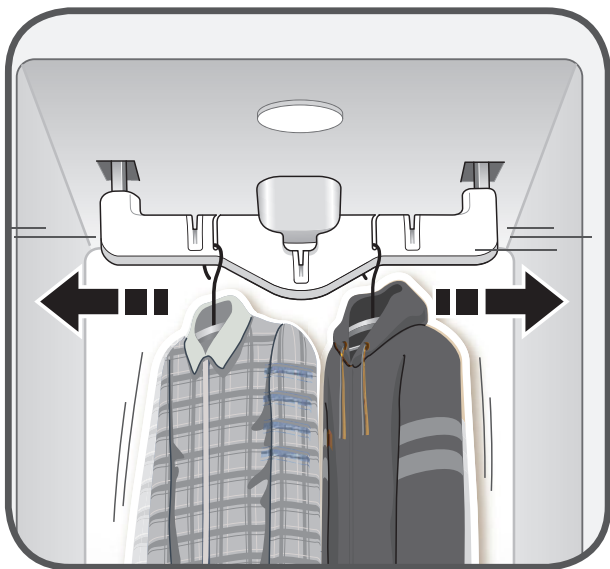


NOTE

- Contact the store where the product was purchased or LG customer service at 1-800-243-0000 (1-888-542-2623 in Canada) if any accessories are damaged or missing. Accessories can be purchased separately online at <http://www.lg.com/us>
- For your safety and for extended product life, use only authorized components. The manufacturer is not responsible for product malfunction or accidents caused by the use of separately purchased unauthorized components or parts.
- The images in this guide may be different from the actual components and accessories, which are subject to change by the manufacturer without prior notice for product improvement purposes.

THE MOVING HANGER

Hang clothes on the moving hanger using the hangers provided with the Styler, or use any plastic or metal hanger that hooks snugly into the indentations in the moving hanger.



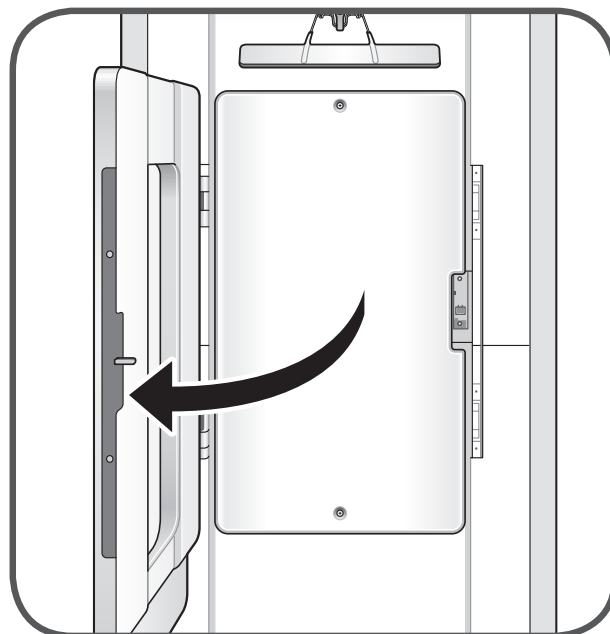
- Use the moving hanger for suits, coats, jackets, blouses, dresses, skirts, and pants that don't require a crease. Use the Pants Crease Care to crease pants.
- Anything that can be securely placed on a hanger and steamed or dried without retaining hanger marks or other damage can be placed on the moving hanger.
- Dry sweaters or knits on the shelf to avoid hanger marks.
- Clothing should be securely fastened, with zippers and buttons closed, so that it does not fall off the moving hanger during the cycle.
- Arrange clothing so it does not touch the sides or rear of the cabinet, if possible. Condensation may form on the interior surface of the cabinet, and items in contact with the surface may remain damp at the end of the cycle. Hang larger items on the diagonal indentations on the moving hanger.

CAUTION

- **Do not lean or pull on the moving hanger. Do not allow children play with or hang onto the moving hanger.** The unit could tip, resulting in damage or injury.

THE PANTS CREASE CARE

Hang clothes in the Pants Crease Care using the pants hanger provided with the Styler or any pants hanger that fits into the hooks above the door to the Pants Crease Care.



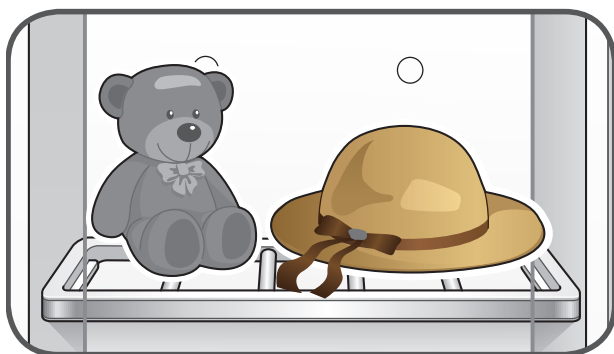
- Open the door to the Pants Crease Care by pressing the icon on the front.
- The Pants Crease Care keeps pants legs creased while removing wrinkles elsewhere.
- Pants can be pressed while refreshing other items in the same cycle.
- For optimum results, use the Extra Pants Care cycle which is designed for use with the Pants Crease Care feature. This cycle can be downloaded using the LG Smart Styler app and used as the Downloaded cycle. For instructions, see **Downloading Styler Cycles**, page 38.

CAUTION

- **Do not lean on or hang heavy items on the door of the Pants Crease Care.** The unit may tip, resulting in damage or injury.
- **Do not allow children to play with or hang onto the door of the Pants Crease Care.** The unit may tip, resulting in damage or injury.
- **Keep fingers out of pinch point areas when closing the door of the Pants Crease Care.** Supervise nearby children to prevent injuries.

THE SHELF

Use the shelf when styling clothes or other items that are difficult to hang or that may be damaged by hang drying.



- Use the shelf for stuffed toys, pillows, hats, and other accessories.
- Use the shelf for sweaters, knits, lingerie, or delicate blouses that can show hanger marks, stretching, or other damage if dried on a hanger.
- For best drying performance, do not stack items on the shelf. Dry single items or place items side by side with space between.
- When not in use, store the shelf on the shelf holder knobs in the back of the cabinet.
- For instructions on installing the shelf, see **Assembling the Shelf**, page 29.
- Do not use the shelf for storing heavy items.
- Arrange items on the shelf so they do not touch the sides or rear of the cabinet, if possible. Condensation may form on the interior surface of the cabinet, and items in contact with the surface may remain damp at the end of the cycle.



CAUTION

- **Do not use the shelf to store heavy items.** The shelf may fall, resulting in damage or injury.
- **Do not step or sit on the shelf.** The shelf may fall or the unit may tip, resulting in damage or injury.

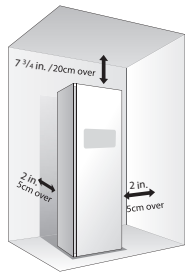
CHOOSING STYLER FEATURES

item	how to style it
suit coat, blazer	moving hanger
coat, jacket (short)	moving hanger
coat (long)	moving hanger (remove shelf)
dress (short)	moving hanger
dress (long)	moving hanger (remove shelf)
skirt	moving hanger
lightweight blanket, throw	moving hanger
baby blanket	moving hanger
pants (not creased)	moving hanger
shorts	moving hanger
children's clothes	moving hanger
scarf	moving hanger or shelf
tie	moving hanger or shelf
shawl	moving hanger or shelf
lingerie	moving hanger or shelf (if delicate)
shirt, blouse	moving hanger or shelf (if delicate)
pants (creased)	Pants Crease Care
cap, hat	shelf
stuffed toys	shelf
pillow	shelf
sweater	shelf
knitwear	shelf
infant clothes	shelf

INSTALLATION

INSTALLATION OVERVIEW

Please read the following installation instructions first after purchasing this product or transporting it to another location.



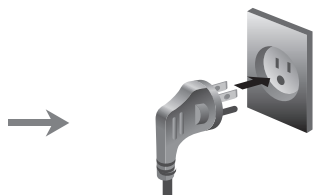
Check and choose the proper location



Level the Styler



Reverse the door swing (if needed)



100-130V only

Connect to grounded outlet

PRODUCT SPECIFICATIONS

The appearance and specifications listed in this manual may vary due to constant product improvements.

steam clothing care	S3RERB
description	electric machine for maintaining clothing
electrical requirements	please refer to the rating label regarding detailed information
dimensions	17 1/2 in. (W) X 23 in. (D) X 72 7/8 in. (H), 39 3/4 in. (D with door open) 445 mm (W) X 585 mm (D) X 1850 mm (H), 1010 mm (D with door open)
net weight	183 lb (83 kg)
maximum capacity	4 items
power consumption	1700 W
safety device	double overheating safety device, thermal fuse, programming

UNPACKING THE STYLER



WARNING

- **Use two or more people to move and install the Styler.** Failure to do so can result in back injury or other injury.
- **The Styler is heavy. Use the wheels at the bottom of the product to move it.** Push the Styler slowly from about halfway down the front side.
- **Keep the Styler upright when moving it.** If you lay the Styler on its side, refrigerant may leak and cause the appliance to malfunction.
- **Keep flammable materials and vapors, such as gasoline, away from the Styler.** Failure to do so can result in fire, explosion, or death.

- **Remove tape and any temporary labels from the Styler before using.**

Do not remove any warning labels, the model and serial number label, or the Tech Sheet that is located under the front of the Styler.


- **To remove any remaining tape or glue, rub the area briskly with your thumb.**

Tape or glue residue can also be easily removed by rubbing a small amount of liquid dish soap over the adhesive with your fingers. Wipe with warm water and dry.

- **Do not use sharp instruments, rubbing alcohol, flammable fluids, or abrasive cleaners to remove tape or glue.**

These products can damage the surface of the Styler.

CHOOSING THE PROPER LOCATION

<p>Electricity</p>	<p>Install where an outlet is easily accessible. Use an individual, grounded outlet: 120 Volts, 60 Hz, AC, 15 Amps minimum.</p> <p> WARNING: Do not plug in multiple appliances in the same outlet with the Styler. Overloading house wiring can cause a fire hazard.</p> <p>To reduce the risk of electric shock, do not install the Styler in a wet or damp area.</p>
<p>Floor</p>	<p>Floor must be level and solid enough to support 183 lb (83 kg). Adjust the leveling legs to compensate for any unevenness in the floor. Do not install on a platform or a weakly supported structure. If installing on carpeting, see <i>Installing on Carpeting</i>, page 17.</p>
<p>Ambient temperature</p>	<p>Temperature must be between 50°F (10°C) and 95°F (35°C). If the ambient temperature is too low or high, performance may be affected. Do not install in direct sunlight or where the temperature may fall below 32°F (0°C).</p>
<p>Clearances</p>	<p>Allow at least 18 in. (46 cm) in front to open the door.</p> <p>Allow at least 2 in. (5 cm) on both sides and between the back of the Styler and the wall. Allow at least 7 3/4 in. (20 cm) between the top of the Styler and any overhanging shelves or cabinets.</p> <p>If the Styler is too close to adjacent items, performance may decrease and electricity consumption may increase.</p>

INSTALLATION LOCATION REQUIREMENTS



WARNING Read all installation instructions completely before installing and operating the Styler. It is important to review this entire manual before installing and using the Styler.

The installation requires:

- A grounded electrical outlet located within 2 ft. (61 cm) of either side of the appliance.
- A sturdy floor to support the total appliance weight of 183 lbs (83 kg). The combined weight of any other laundry appliances should also be considered.



WARNING

- **Do not install or store the Styler in an area where it will be exposed to water and/or weather.** Failure to follow this warning could result in risk of electric shock, injury, or product damage or malfunction.

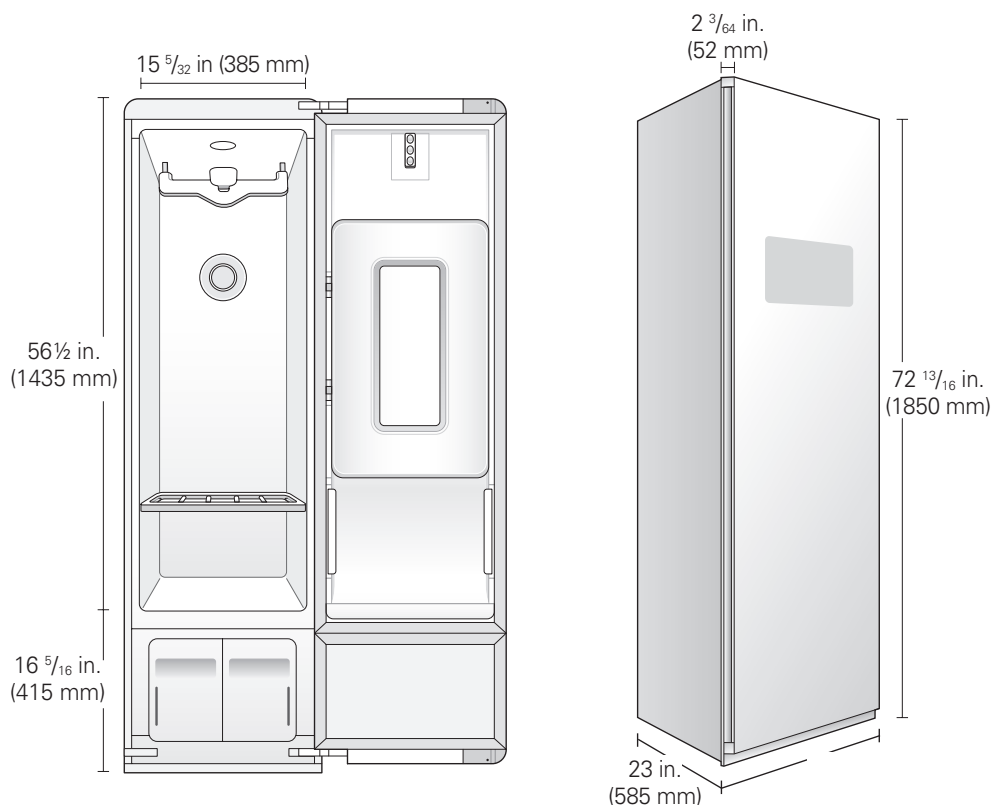
Clearances



CAUTION

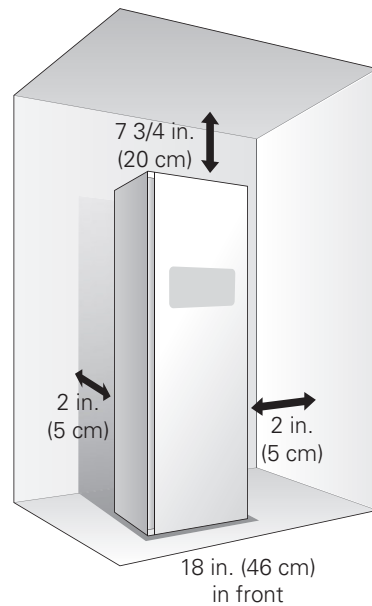
- **The floor must be level, with a maximum slope of 1 inch (2.5 cm) under the Styler.** If the slope is greater than 1 inch (2.5 cm), the appliance cannot be leveled properly.
- **Do not install the Styler on a hollow or flexible platform.** Doing so may cause excessive noise and vibration and result in damage or injury if the product tips over.

Recommended Installation Spacing



The following clearances are recommended for the Styler. Although the Styler has been tested for clearances of $1\frac{3}{16}$ inch (3 cm) on the sides and rear, recommended clearances should be considered for the following reasons:

- Additional space should be considered for ease of installation and servicing.
- Additional space might be required for wall, door and floor moldings.
- Additional space should be considered on all sides of the Styler to reduce noise transfer.
- Additional laundry appliance spacing should also be considered.



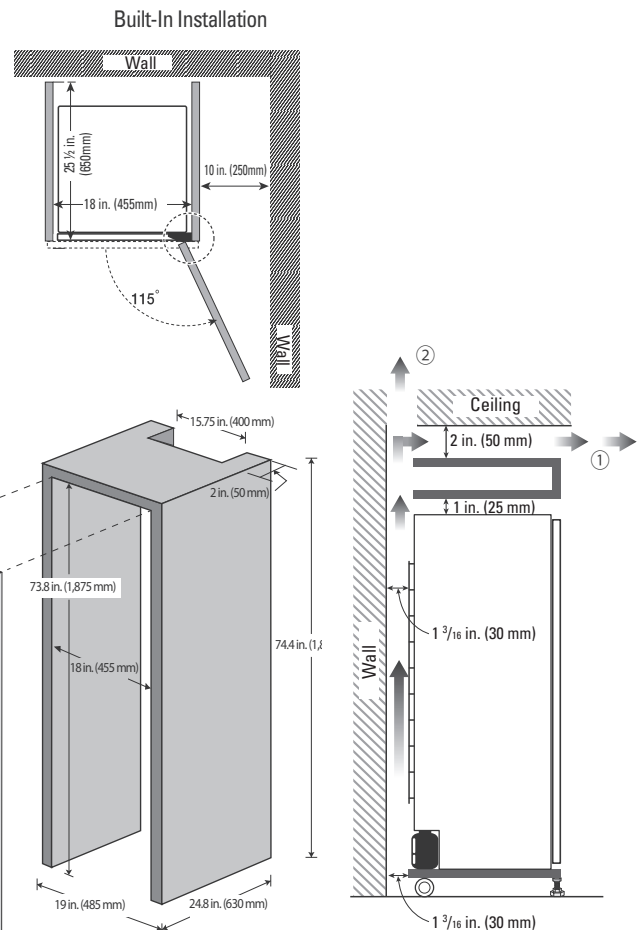
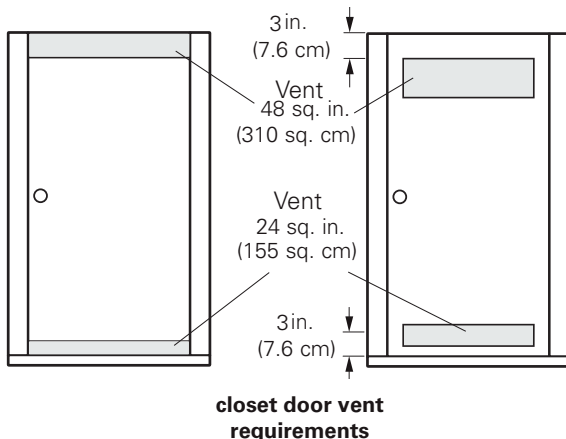
Installation Spacing for Recessed Area or Closet Installation

There should be at least a little space around the Styler (or any other appliance) to avoid contact with walls, furniture, or other appliances during operation. Allow a minimum of $1\frac{3}{16}$ inch (3 cm) on all sides of the Styler to avoid increased noise or damage.

- For closet installation, with a door, minimum ventilation openings in the top and bottom of the door are required. Louvered doors with equivalent ventilation openings are acceptable.
- Minimum vent opening for built-in installation is $31\frac{1}{2}$ sq. in. (200 cm²).

Closet Ventilation Requirements

Closets with doors must have both an upper and lower vent to prevent heat and moisture buildup in the closet. One upper vent opening with a minimum opening of 48 sq. in. (310 cm²) must be installed no lower than 6 feet above the floor. One lower vent opening with a minimum opening of 24 sq. in. (155 cm²) must be installed no more than one foot above the floor. One example shown uses vent grilles in the door.



LEVELING THE STYLER



WARNING

- **To reduce the risk of injury to persons, adhere to all industry recommended safety procedures including the use of long-sleeved gloves and safety glasses.** Failure to follow this warning can cause serious injury or death.

- The appliance is heavy. Two or more people are required when installing the Styler. Failure to follow this warning can cause serious injury or death.
- To ensure that the Styler provides optimal performance, it must be level. To minimize vibration, noise, and unwanted movement, the floor must be a perfectly level, solid surface.



NOTE

Adjust the leveling feet only as far as necessary to level the Styler. Extending the leveling feet more than necessary can cause the Styler to vibrate.

- 1 **Position the Styler in the final location. Check to make sure it is level. If installing on carpet, see *Installing on Carpeting* first.**

- All leveling feet must rest solidly on the floor. Gently push on the corners of the Styler to make sure that it does not rock from corner to corner. Make sure there are no gaps between the front leveling feet and the floor.

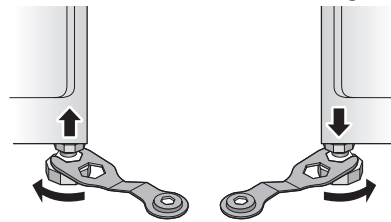


WARNING

- **The Styler is heavy. Use two or more people if installing the rear leveling feet.** Failure to do so can result in back injury or other injury.
- **Keep the Styler upright when moving and installing it.** If you lay the Styler on its side, refrigerant may leak and cause the appliance to malfunction.

- 2 **Use the wrench (packaged with the manual) to turn the leveling feet.**

Unscrew the front feet to raise the Styler or screw in the feet to lower it. If unable to level the unit using only the front feet, install the two rear leveling feet by tipping the unit. Do not lay the unit down to install the leveling feet.



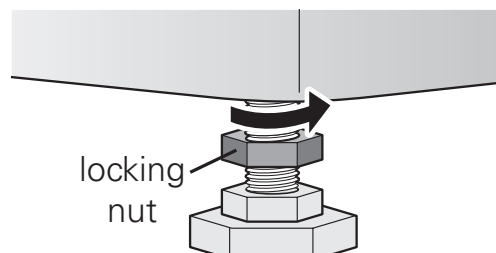
Raise or lower the unit using the leveling feet until the Styler is level from side to side and front to back.



CAUTION

Make sure that all leveling feet are in firm contact with the floor. If the Styler is used without leveling, it may fall, causing injury, damage, or product malfunction.

- 3 **When the Styler is completely stable and all leveling feet are resting solidly on the floor, tighten the locking nuts.**



REVERSING THE DOOR

It is possible to reverse the direction of the door swing. This should be done by the installer at the time of installation, if desired.



WARNING

Do not attempt to reverse the door swing yourself. If the direction of the door swing needs to be changed after installation, contact the LG Customer Information Center at 1-800-243-0000 (USA) or 1-888-542-2623 (Canada).

INSTALLING ON CARPETING

If installing the Styler on carpeting, follow these instructions.

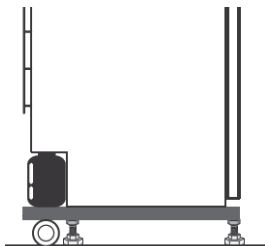


WARNING

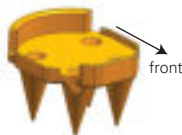
- **The Styler is heavy. Use two or more people to install the rear leveling feet and carpet spikes.** Failure to do so can result in back injury or other injury.
- **Keep the Styler upright when moving and installing it.** If you lay the Styler on its side, refrigerant may leak and cause the appliance to malfunction.

- 1 **Move the unit into its final location using the back rollers.**
- 2 **Install the two rear leveling feet.**

Tip the unit, do not lay it down, to install the leveling feet.



- 3 **Level the unit following the instructions in *Leveling the Styler*.**
- 4 **Install the four carpet spikes on the ends of the leveling feet, with the shorter, octagonal faces toward the front.**



- 5 **After the spikes have been installed, the Styler may need to be leveled again.**

If the carpet has very deep pile or padding, the front feet may need to be extended slightly to install the drip tray.



WARNING

- **Take care when handling the carpet spikes.** They are designed to pierce through the carpet backing and pad and are very sharp.
- **Keep fingers and hands out from under the spikes** when setting the unit in place to avoid personal injury or product damage.

- Be sure to check and empty the drip tray often.
- Do not open the unit during operation to avoid condensation forming on carpet surface,



which may result in surface mold or mildew.

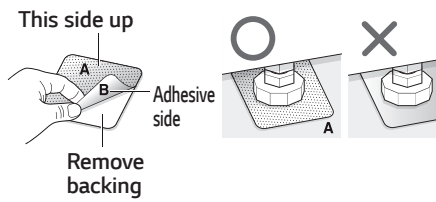
- Keep the bottom of the cabinet dry when filling or emptying water tanks. Keep the outside of the water tanks clean and dry to discourage growth of mold or mildew.

USING NON-SKID PADS (OPTIONAL)

Non-skid pads prevent the product from shaking or shifting when opening or closing the door.

- 1 **Clean the floor to attach the non-skid pads.** Use a dry rag to remove and clean foreign objects or moisture. If moisture remains, the non-skid pads may slip.
- 2 **Adjust the level after placing the Styler in the installation area.**

3 Place the adhesive side of the non-skid pad on the floor.



4 Recheck the Styler's levelness.

Push or rock the edges of the appliance gently to make sure that the Styler does not rock. If the Styler rocks, level the appliance again.

- The pads may leave a sticky residue when they are removed. The residue can be removed with alcohol.

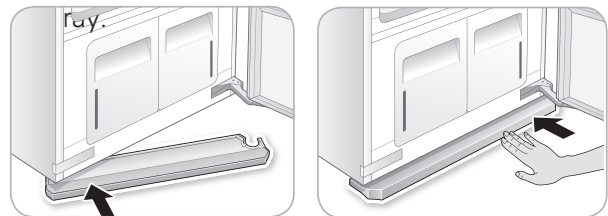
INSTALLING THE ANTI-TIP DEVICE

- **Appliances can tip, resulting in damage or injuries. Do not operate the unit without the anti-tip device in place and engaged.** If an anti-tip device is not properly installed, the appliance could be unexpectedly tipped by a child or adult standing, sitting, leaning, or placing excessive weight on an open door or the interior parts.
- **Install the anti-tip device packed with the Styler to reduce the risk of tipping.** Refer to the instructions provided with the anti-tip kit for proper anti-tip device installation.
- **Check that the anti-tip device is properly installed.** With the appliance in its final location, make sure that the slide adjuster on the cord is adjusted until there is about one inch of slack in the cord.
- **The use of the anti-tip device does not preclude tipping of the appliance when it is not properly installed.**

ASSEMBLING THE DRIP TRAY

Before using the Styler, insert the drip tray onto the bottom of the cabinet.

- 1 Hold the tray so the arrow and letter on the front of the tray face up.
 - 2 Insert one side of the tray first, then the other. Push the tray until it slides completely in.
 - 3 To detach, pull one side out then the other.
- If the tray collects water, detach it and empty the water. After emptying it, re-assemble the



- **Do not operate the Styler without installing the drip tray.** Doing so could lead to water damage caused by leaking.

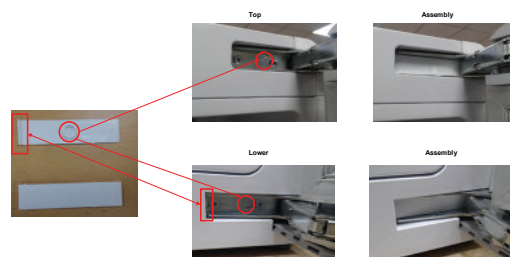
INSTALLING CAP COVERS

- 1 Line up the nubs on the cap with the holes in the top corner of the cabinet.
- 2 Snap the cap into place. Repeat with the remaining cap on the other corner.



INSTALLING HINGE COVERS

- 1 Open the Styler door.
- 2 Snap the hinge cover with the bent edge onto the lower hinge assembly.
- 3 Snap the remaining hinge cover onto the upper hinge assembly.



OPERATION

BEFORE USE



Clean the Styler.

Clean the Styler thoroughly and wipe off all dust that accumulated during shipping. See **Maintenance**, page 37. Do not plug in or operate the appliance until the interior and exterior have thoroughly dried.



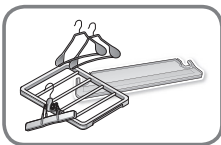
CAUTION

- Do not scratch the Styler with a sharp object or use a detergent that contains alcohol, bleach, a flammable liquid or an abrasive when removing any tape or adhesive from the Styler.
- Do not peel off the model or serial number label or the technical information on the rear surface of the Styler.



NOTE

Remove adhesive residue by wiping it off with your thumb or dish detergent.



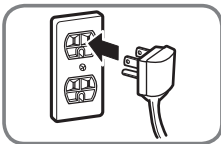
Unpack accessories.

Unpack the shelf and hangers. For instructions on installing or using accessories, see **Loading the Styler**, pages 25-28. Accessories can be purchased separately from the LG Customer Information Center. Call 1-800-243-0000 (USA) or 1-888-542-2623 (Canada).



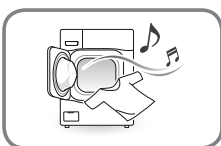
Assemble the drip tray.

Insert the drip tray at the bottom of the cabinet. See **Assembling the Drip Tray**, page 18.



Connect the power supply.

Check if the power supply is connected before use.



Wash dirty clothes if necessary before putting them in the Styler.

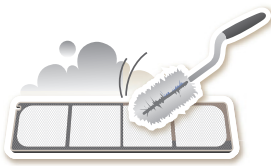
The Styler does not have a washing function. Stains and loose dirt from one item may transfer to others during a cycle. Wash or brush off dust and dirt, or spot-clean items, to avoid setting stains or transferring dirt or odors.

USING THE STYLER



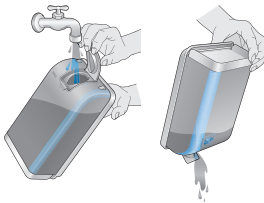
1 PREPARE ITEMS

- Wash clothes first, if needed.
- No heat-sensitive items or items that can be damaged by exposure to water. See **Choosing Styler-Safe Clothing**, page 21.
- Place items on hangers or the shelf.
- Fasten buttons and close zippers to keep items on moving hangers and prevent damage.



2 CLEAN LINT FILTER, CHANGE SHEET IN AROMA FILTER

Lift out filter and remove lint from last load for faster and more efficient performance. Reinstall filter, checking alignment when closing grill. Do not operate the Styler without the lint filter in place. See **Checking the Lint Filter**, page 24. If using a fabric softener sheet in the aroma filter, change it after every use. See **Changing the Aroma Sheet**, page 24.



3 CHECK WATER TANKS

Fill water supply tank if needed. Empty water drain tank if needed. Use clean tap water in the supply tank for better product performance and lifespan. Do not use distilled water or reuse water from the drain tank. See **Checking the Water Tanks**, page 25.



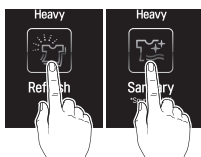
4 LOAD STYLER

Pay attention to fabric care labels and cycle choice. If clothing is not appropriate for the cycle selected, it may shrink or be seriously damaged. See **Loading the Styler**, page 25. Remove all empty hangers to avoid noise, friction, and damage to clothing.



5 TURN ON STYLER

Touch POWER to turn on the Styler.



6 SELECT CYCLE

Touch icons to select desired cycle and settings. See the **Cycle Guide**, page 32.



7 BEGIN CYCLE

Touch and hold START/PAUSE to begin cycle. Pause cycle at any time by touching START/PAUSE again. Restart cycle within four minutes of pausing it, or the Styler shuts off and settings are lost. Do not open door during cycle. If steam or hot air escape from open door, condensation may collect on floor or walls, resulting in damage or mold.

8 END OF CYCLE

Remove items when cycle finishes. Leave door open to let hot air escape. Interior light shuts off after 4 minutes if door is left open.

SORTING LOADS

Fabric Care Labels

Most articles of clothing feature fabric care labels that include instructions for proper care. Below are some of the symbols that are relevant to choosing appropriate items for the Styler.

fabric care labels that can be used with the			
category	label	meaning	Styler
washing labels		hand wash	✓
		machine wash, normal cycle	✓
		perm press/wrinkle resistant	✓
		gentle/delicate	✓
		do not wash	✓*
drying labels		normal	✓
		permanent press/wrinkle resistant	✓
		gentle/delicate	✓
		do not tumble dry	✓
		do not dry	NO
		line/hang dry	✓
		drip dry	✓
		dry flat	✓
dryer heat setting labels		high	✓
		medium	✓
		low	✓
		no heat/air dry	NO

*Some items such as fur and leather which are labeled as **do not wash** can be used with the Styler. See the **Fabric Care Guide** on pages 23–24.

Grouping Similar Items

- For best fabric care results, always treat fabrics with similar care requirements together.
- Different fabrics have different care requirements, and some fabrics cannot be treated in certain Styler cycles or should be treated separately.

Choosing Styler-Safe Clothing

Some items are not appropriate for use with this product.

- **Do not put the following items in the Styler.**

category	non-Stylable items
clothes	starched clothes, vinyl
bedding/blankets	electric blankets, heavy blankets (double layer or over 3.3 lb [1.5 kg])
other	shoes, items made with sponge rubber, items with adhesives

- **Follow fabric care labels.**
- **Don't put items that are sensitive to heat or are not suitable for washing with water in Styler cycles that use steam.** Use the Gentle Dry cycle only.
- **Fur, leather, and silk items should only be treated with the Air Fresh cycle.** This cycle is a downloadable cycle. See **Downloading Styler Cycles**, page 38.
- **Using the wrong cycle for items can result in damage to fabrics.**
- **Wash heavily soiled or stained clothes before putting them in the Styler.** The Styler does not have a washing function. Loose soil or stains can be transferred between garments during cycles.
- **Treat items with an unpleasant odor in a separate load.** Odors can be transferred between items during cycles.
- **Some odors can be difficult to remove.** Odors from oily substances may be difficult for the steam to penetrate. Odors from extended storage may also be difficult to remove.
- **Wrinkles may remain in some items.** Wrinkles caused by extended storage may be difficult to remove. Wrinkles in cotton or linen may not be removed completely.

FABRIC CARE GUIDE



● = yes
§ = check label

fabric	clothes	Refresh cycle		Sanitary cycle	Gentle Dry cycle	comments	
		removing wrinkles	removing odors				
vegetable fibers	cotton	towels, socks, underwear, jeans, sportswear, t-shirts, blankets		●	●	●	Wrinkles may remain in 100% cotton fabrics. Iron after cycle, if desired.
	linen, hemp, ramie	summer clothes, tablecloths		●	●	●	Some wrinkles may remain. Make sure fabrics are washable/hand washable if using Refresh/Sanitary cycles. Lay clothes on shelf if delicate. Do not style starched clothes.
natural fibers	alpaca, camel hair, cashmere	coats, suits	§	§	§	●	Lay knits on the shelf. Alpaca and camel hair shrink in hot water.
		scarves, knitwear		§		●	
	fur, leather	coats, scarves				●*	*Only use downloaded Air Fresh cycle (low temperature drying).
	silk	silk neckties, ribbons, scarves, blouses, silk velvet/plush				●*	*Only use downloaded Air Fresh cycle (low temperature drying).
	wool	sweaters, knitwear		§			●
winter coats, suits, sportswear, uniforms		●	●	●	●		

FABRIC CARE GUIDE (CONTINUED)



● = yes
§ = check label

fabric	clothes	Refresh cycle		Sanitary cycle	Gentle Dry cycle	comments	
		removing wrinkles	removing odors				
man-made fibers	acetate	suit lining, blouses, neckties, pajamas	●	●	●	●	
	acrylic	thermal underwear, knitwear	●	●	●	●	Lay clothes on shelf
	nylon	stockings, lingerie	●	●	●	●	Lay clothes on shelf
		sportswear, curtains	●	●	●	●	
	polyurethane	stretchable clothing (containing less than 5%)	●	●	●	●	If the item contains more than 5% polyurethane (swimwear), check label for care
	rayon	suit lining	●	●	●	●	

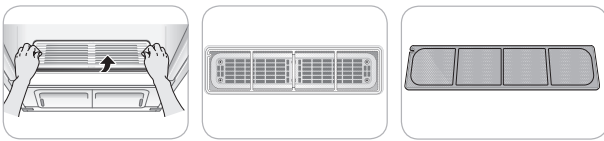
- Fabrics come in a wide variety of weights and finishes and can have different care requirements for each variety. It is difficult to cover them adequately in this manual. Before using the Styler with any item, check the care label before proceeding. Do not put items that are not colorfast, are heat-sensitive, or are not suitable for washing with water in the Refresh or Sanitary cycles. Do a water blot test on a small, inconspicuous spot (an inside seam) to determine if the fabric is colorfast. For further assistance, consult the clothing manufacturer, a dry cleaning professional, or a more detailed fabric care guide.
- Using the Styler with items that are not colorfast may result in damage to the items and staining from fabric dyes on the interior of the cabinet. These stains will not affect the operation of the Styler. Use toothpaste to remove stains from interior of cabinet.
- The Styler does not have a washing function. Wash soiled items before use.

CHECKING THE FILTERS BEFORE EVERY LOAD

Checking the Lint Filter

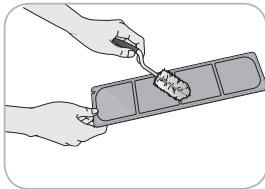
Always make sure the lint filter is clean before starting a new load; a clogged lint filter will increase drying times.

- 1 Open the front grill and take out the lint filter.



- 2 Brush the filter with a soft brush or clean it with a vacuum cleaner.

If the lint filter is torn or damaged, replace it with a new filter.

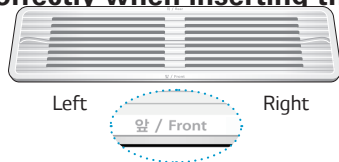


- 3 Reinstall the filter.



CAUTION

- Check that the sides are aligned correctly when inserting the grill.



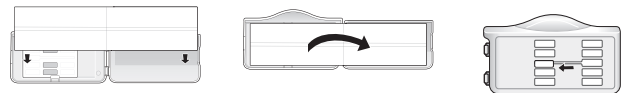
Changing the Aroma Sheet

Use a dryer fabric softener sheet to add a refreshing aroma to items. Replace the fabric softener sheet after every use.

- 1 Remove the aroma filter from the Styler.

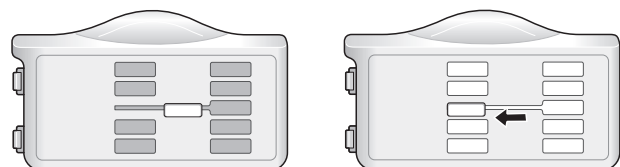


- 2 Open the aroma filter and insert a dryer fabric softener sheet into it.



- 3 Close the aroma filter and insert it back in the Styler.

Insert the aroma filter in the direction of the arrow. You can adjust the opening of the perfume filter using the adjustment lever. The more open the aroma filter is, the richer the aroma gets.



Closed

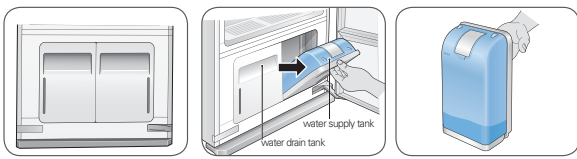
Open

- 4 When the cycle is complete, remove the aroma filter and discard the fabric softener sheet.

CHECKING THE WATER TANKS

Check the water in the water tanks before use. The water supply tank must be filled with water before using the Styler. The Styler does not work without water. The water drain tank should be emptied before each use.

- 1 Pull the handle of each tank forward to remove the tank and check the level of water.



- 2 Make sure the water supply tank is filled with water.

The full water supply tank can be used approximately four times, depending on the cycles used. Use clean tap water or bottled water for best performance and longer product life. Do not use distilled water or reuse the water from the drain tank.

The first time the Styler is used, 2/3 of the water in the fully filled water supply tank is used. Less water is used in following cycles.

CAUTION

- **Only use water when filling the water supply tank.** Any other substance, such as detergent or fabric softener, may damage the Styler.
- **Use only clean tap water or bottled water.** Foreign materials in the water may shorten the lifespan of the Styler.
- **Do not use distilled water.** The water sensor may not work.
- **Do not reuse the water in the drain tank to fill the water supply tank.**

- 3 Make sure the water drain tank is empty.

The drain tank will be filled after about three uses. The tank fills more quickly during drying cycles. The Styler does not work if the drain tank is full.

LOADING THE STYLER

CAUTION

- **Check all pockets to make sure that they are empty. Items such as clips, pens, coins, and keys can damage both the Styler and your clothes. Flammable objects such as lighters or matches could ignite, causing a fire.** Failure to do so can result in fire, explosion, or death.
- **Never dry clothes that have been exposed to oil, gasoline, or other flammable substances. Washing clothes will not completely remove oil residues.** Failure to obey this warning can result in fire, explosion, or death.
- **Remove empty hangers from the moving hanger and place them on the shelf before starting the cycle.** Empty hangers may cause unnecessary noise, friction, and damage to fabrics. See **Storing Hangers**, page 28.
- **Hang hangers in the same direction on the moving hanger to prevent collisions.**

accessory	items to use it with
hangers	shirts, dresses, suits, coats, skirts, pants without creases or too large for pants press, or any item that can use a hanger
Pants Crease Care	pants when creases are desired
shelf	sweaters, wool, knitwear, lingerie, shoes, hats, toys, and other clothing or items that cannot use hangers

Hangers

The hangers that come with the Styler are for use with the Styler only. Any plastic or metal hanger that has a hook less than 5/32 in. (4 mm) thick and hooks snugly into the indentations in the moving hanger can be used in the Styler.

- Do not use hangers with wool, knitwear, or delicate lingerie. The garments may stretch or be left with hanger marks.
- Wrinkles may appear at the back of the collar on some garments.
- Use the diagonal hanger grooves in the moving hanger for large or bulky items.
- Remove empty hangers or store them in the shelf during operation. See **Storing Hangers**, page 28.

1 Select an appropriate hanger.

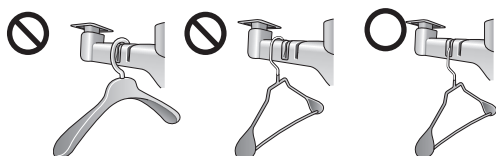
Choose the Styler hanger that fits the item you are hanging up.

2 Fasten the buttons and zippers on all garments and hang them on hangers.

Doing so helps keep the garments from falling or becoming more wrinkled during the cycle. If a garment has no buttons or zipper, fasten it with a cotton string around the collar area.



3 Place the hangers into the slots of the moving hanger



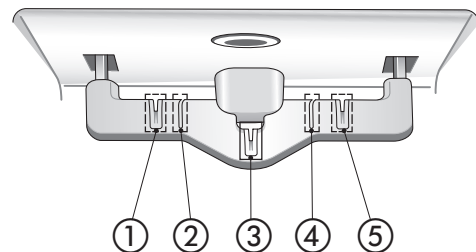
Using the Moving Hanger

1 Insert hangers into slots and pull down to secure the hook snugly.

Hooks should fit down in the slots snugly to prevent noise, vibration, or damage to items during operation.

2 Use the diagonal slots (2 and 4) for bulky items.

Do not use diagonal slots and standard slots during the same cycle. The hangers may knock into each other and damage clothing.



3 Do not overcrowd items.

The fewer items, the better the drying performance. Items that touch the sides of the cabinet may pick up condensation from the cabinet and fail to dry completely.

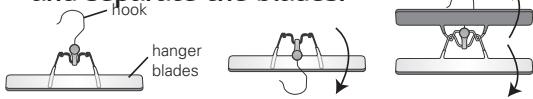
Pants Hanger or Pants Crease Care

Place pants either on the moving hanger or in the Pants Crease Care, depending on whether maintaining the creases on the pants legs is desired.

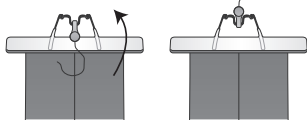
- Hanging pants on the moving hanger may remove the creases on pants legs.
- To maintain the creases on pants legs, use the Pants Crease Care.
- Pants should be no wider than 38 in. (96 cm) or longer than 43 5/16 in. (110 cm) to fit in the Pants Crease Care. Check the size of the pants before using the Pants Crease Care. If pants are too large, use the moving hanger.
- The fabric content of the garments affects how well wrinkles are removed.
- Download the Extra Pants Care cycle for the most effective wrinkle removal for pants. See **Downloading Styler Cycles**, page 38.

OPENING AND CLOSING THE PANTS HANGER

- 1 To open, fold the hook down toward the hanger blades to unlock and separate the blades.



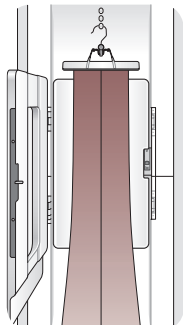
- 2 Once pants are inserted, bring the blades together and rotate the hook up and away from the blades to lock them in place.



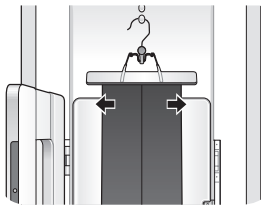
Hanging Pants On the Pants Hanger

- 1 Remove all objects from pants pockets and button the back pockets.

- 2 Fold pants along crease lines (or where crease lines would be), and attach the pants hanger at the ends of the pants legs.



- 3 Tug gently on the sides of the pants legs. Make sure pants are stretched tight within the hanger, with no wrinkles, and will not fall out of the hanger during the cycle.

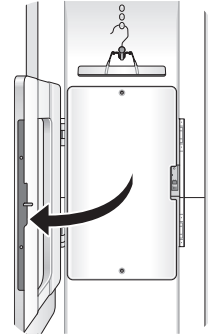


- 4 Place the pants hanger on the moving hanger or in the Pants Crease Care.



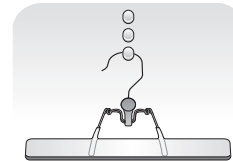
USING THE PANTS CREASE CARE

- 1 Open the Pants Crease Care by pressing on the icon on the side.



- 2 Hang the pants hanger on the hook above the Pants Crease Care that best fits the length of the pants being pressed.

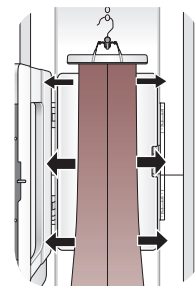
If the pants are longer, use the higher hooks to keep the pants from hitting the floor of the cabinet.



Pants should be no wider than 38 in. (96 cm) or longer than 43.3 in. (110 cm). Check the size of the pants before using the Pants Crease Care. If pants are too large, use the moving hanger.

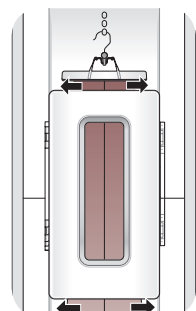
- 3 Make sure the pants are hanging straight.

Check the creases on the legs to make sure they are lined up. If the pants are not folded properly at the creases and hanging straight, double lines may appear at the pants' edges.



- 4 Close the Pants Crease Care, then straighten the pants once more.

Gently tug the edges of the pants to smooth out any wrinkles. Make sure the pants are hanging straight in the Pants Crease Care.

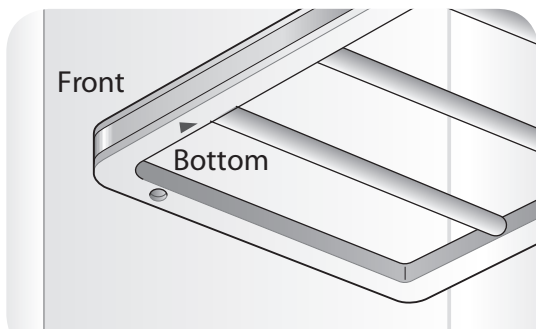


Shelf

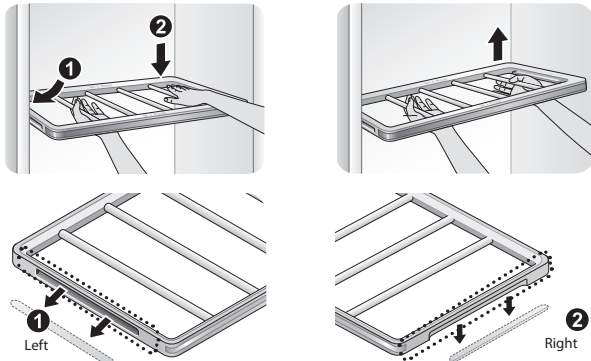
Use the shelf for clothes and items that cannot be placed on hangers. Do not stack items on the shelf. For best drying performance, use the shelf for a single item or smaller items with space between.

Assembling the Shelf

- 1 Hold the shelf so that the gray trim is toward the front.



- 2 Insert the left shelf groove into the left shelf support, then lower the right shelf groove onto the right shelf support.



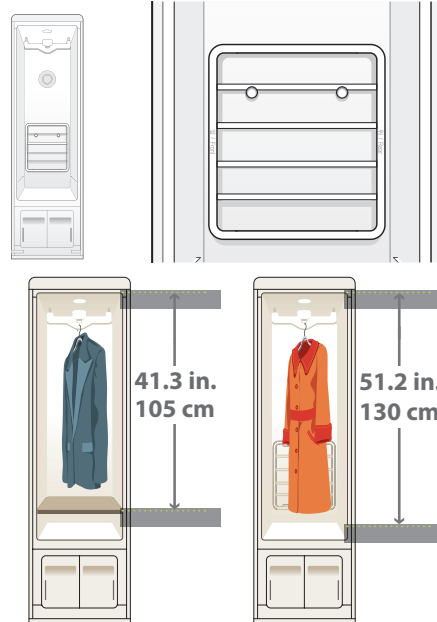
- 3 To disassemble, lift up the right side of the shelf, then pull out the left side of the shelf from the shelf support.



CAUTION

- **The shelf cannot be assembled by sliding it into the cabinet.** It will fall if not assembled properly.
- **Do not place heavy objects on the shelf or use it to store objects.** Doing so can cause the product to malfunction.
- **Do not allow children to climb on or hang on the shelf.** They could be injured.

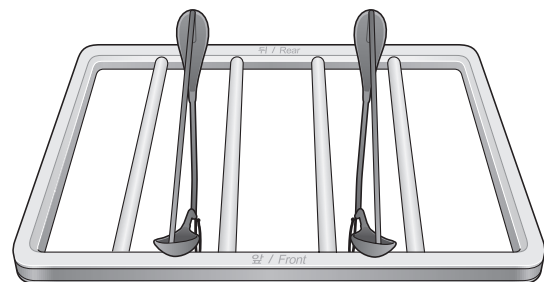
- Hang the shelf on the shelf holder when treating long clothes such as coats or dresses.



Storing Hangers

Remove unused hangers from the moving hanger and store them in the shelf during operation. This prevents noise and damage to clothing.

- 1 Insert the hangers between the rails of the shelf.



- 2 When styling long clothes, if the shelf is stored on the shelf holder, store the hangers outside the unit during operation.
- 3 Do not use the shelf to store heavy items.

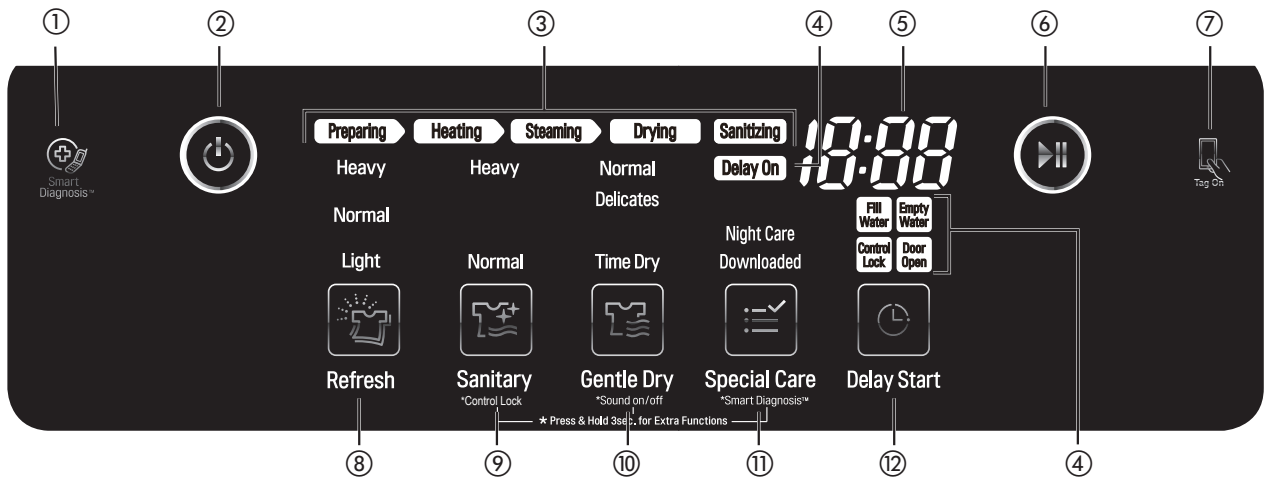


CONTROL PANEL

The control panel responds to touch using static electricity. A light touch is enough to operate it. Use a cloth when cleaning the controls to avoid contacting and activating the keys. Foreign substances on the control, wearing gloves, or touching the keys through cloth may prevent the keys from activating.

Control Panel Features

Depending on the model, some of the following functions may not be available.



① SMART DIAGNOSIS™ ICON

Place the phone over this icon when diagnosing problems with Smart Diagnosis. See **Using Smart Diagnosis**, page 44.

② POWER ON/OFF

Touch Power to turn the Styler ON/OFF. Once the cycle is complete, the Styler automatically turns off after 30 minutes if no keys are touched.

NOTE: Touching Power during a cycle will cancel that cycle and the cycle settings will be lost.

③ CYCLE COMPLETION INDICATOR

This portion of the display shows which stage of the styling cycle is currently underway (Preparing, Heating, Steaming, Drying, or Sanitizing).

④ OPTION AND ALERT INDICATORS

Delay On: lights when the Delay Start feature is set.

Fill Water: lights when the water supply tank is missing or empty.

Empty Water: lights when the water drain tank is missing or full.

Control Lock: lights when the Control Lock function is engaged. See **Locking the Controls**, page 34.

Door Open: lights when the door is opened during a cycle.

⑤ TIME DISPLAY

The display shows the estimated time remaining and error messages for the Styler.

⑥ START/PAUSE

Touch and hold to START the selected cycle. If the Styler is running, touch to PAUSE the cycle without losing the current settings.

NOTE: If you do not touch START/PAUSE to resume a cycle within four minutes of pausing it, the Styler turns off automatically.

⑦ TAG ON ICON

Place an NFC-equipped smart phone over this icon to use the LG Smart Styler application using NFC (Near Field Communication) tags. See **Using Tag On**, page 35.

⑧ REFRESH CYCLE

Touch the icon to select a Refresh cycle, touch repeatedly to toggle through the settings. See the **Cycle Guide**, page 32.

⑨ SANITARY CYCLE / *CONTROL LOCK

Touch the icon to select a Sanitary cycle, touch repeatedly to toggle through the settings. See the **Cycle Guide**, page 32.

Touch and hold the icon for three seconds to activate/deactivate the Control Lock function. See **Locking the Controls**, page 34.

⑩ GENTLE DRY CYCLE / *SOUND ON/OFF

Touch the icon to select a Gentle Dry cycle, touch repeatedly to toggle through the settings. See the **Cycle Guide**, page 32.

Touch for three seconds to turn the button and alert sounds on/off. See **Turning the Alert Sounds On/Off**, page 34.

⑪ SPECIAL CARE / *SMART DIAGNOSIS™

Touch the icon to select the Night Care or Downloaded cycle. The Night Care cycle is a special extended Sanitary Heavy cycle designed to dry clothes overnight.

The default Downloaded cycle is the Ready to Go cycle. Download a new cycle in this position using the LG Smart Styler application on an NFC-equipped smart phone. See **Downloading Styler Cycles**, page 37.

Press and hold for three seconds to activate the Smart Diagnosis™ function. See **Using Smart Diagnosis™**, page 44.

⑫ DELAY START

Set a delayed start time for the cycle. See **Setting a Delayed Start Time**, page 34. Delay Start cannot be selected with the Night Care cycle.

CYCLE GUIDE

				Cycle Processes				
Cycle	Setting	Clothing / Fabric Type	Est. time in Hr.: Min.	Prepare	Heat	Steam	Sanitize	Dry
REFRESH CYCLE	Normal	suit, coat, school uniform, scarf, wool, knitwear, outdoor/performance clothing, towels, underwear, t-shirts, socks, jeans, jean jackets, lingerie, sportswear, tablecloths	48	<input type="radio"/>		<input type="radio"/>		<input type="radio"/>
	Light	100% wool, polyester, rayon, urethane, gabardine, Gore-Tex, cotton, nylon, ramie, hemp	20	<input type="radio"/>		<input type="radio"/>		<input type="radio"/>
	Heavy	100% wool, polyester, rayon, urethane, gabardine, Gore-Tex, cotton, nylon, ramie, hemp	1:07	<input type="radio"/>		<input type="radio"/>		<input type="radio"/>
SANITARY CYCLE	Normal	suit, coat, school uniform, scarf, outdoor/performance clothing, towels, underwear, t-shirts, socks, jeans, jean jackets, lingerie, sportswear, tablecloths	1:28	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Heavy	100% wool, polyester, rayon, urethane, gabardine, Gore-Tex, cotton, nylon, ramie, hemp	1:43	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
GENTLE DRY CYCLE	Normal	suit, coat, school uniform, scarf, wool, knitwear, outdoor/performance clothing, towels, underwear, t-shirts, socks, jeans, jean jackets, lingerie, sportswear, tablecloths, ties, blouses	2:00					<input type="radio"/>
	Delicates	100% wool, polyester, rayon, urethane, gabardine, Gore-Tex, cotton, nylon, ramie, hemp, cashmere, camelhair, alpaca, silk	2:30					<input type="radio"/>
	Time Dry	100% wool, polyester, rayon, urethane, gabardine, Gore-Tex, cotton, nylon, ramie, hemp, cashmere, camelhair, alpaca, silk	30–2:30					<input type="radio"/>
SPECIAL CARE	Night Care	a special extended Sanitary Heavy cycle for use overnight (Delay Start cannot be selected with the Night Care cycle.)	10:33	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Downloaded	Ready to Go (default) warm up clothes and outerwear before stepping outdoors in the winter	10					

Cycle Processes

- **Preparing** heats the water in the tank in preparation for supplying steam.
- **Heating** preheats the air inside the cabinet to enhance the effect of the steam.
- **Steaming** sprays steam on the clothes.
- **Sanitizing** removes germs from the clothes.
- **Drying** removes moisture in the clothes.

CHOOSING A CYCLE

Styler cycles are designed to fit a variety of situations. Select the cycle and setting that best match the load contents and desired results for maximum performance and fabric care. For best results, pay attention to garment care labels and choose a cycle that is appropriate for the fabric content of the items. For a guide to the symbols used on fabric care labels, see the chart on page 21 and the **Fabric Care Guide** on pages 22-23.

Touch the cycle selector icon to select the desired cycle. Press the icon repeatedly to select the desired setting. When you select a cycle, the light for the default setting will turn on. See **Using the Styler**, page 20, for more details on operating methods.

Refresh Cycle

Use the Refresh cycle to remove odors and wrinkles and to dry items. This cycle uses steam and should only be used with washable items. The cycle is safe for washable wool and knitwear.

Sanitary Cycle

Use the Sanitary cycle to remove germs and to dry items. Choose this cycle for clothing, bedding, and children's clothing and toys. Do not use this cycle for wool or knitwear, because the high temperatures and steam can cause shrinkage.

Sanitary Heavy

Use for clothes, bedding, or soft toys. Quilts or blankets should be a single layer and weigh 3.3 lb (1.5 kg) or less.

Gentle Dry Cycle

Use the Gentle Dry cycle to remove odors and wrinkles and to dry items. Choose this cycle for non-washable fabrics like silk and cashmere. There is also a downloadable dry cycle called Air Fresh for use with fur and leather items. See **Downloading Styler Cycles**, page 37.

Time Dry

Use the Time Dry cycle to manually select the drying time, from 30 to 150 minutes, in 30-minute increments. Or use Time Dry to add drying time at the end of another cycle.

Special Care

Night Care

The Night Care cycle is a special extended Sanitary Heavy cycle. It runs the Sanitary Heavy cycle and then dries periodically every hour for an additional eight hours. Sleep soundly knowing the items will be ready in the morning.

Downloaded

Download one cycle and use it to treat special fabrics like fur and leather, reduce noise, or remove static.

The default downloaded cycle is Ready to Go, a ten minute cycle which takes the chill out of clothes and outerwear. Perfect for winter weather.

To download a different cycle, see **Downloading Styler Cycles**, page 37.

Downloadable Cycles

Cycle	Est. time in Hr.: Min.	Description
Ready to Go	10	(default) see Cycle Guide and above
Athletic Uniform /Equipment	1:48	gently removes odors from uniforms and gear
Air Fresh	30	gently removes moisture and dust from fur, leather, and silk without damaging fabrics and restores volume to fur or fabric flattened by everyday activities
Extra Pants Care	1:07	intensively straightens wrinkles and accentuates pants creases
Shawls /Neckties	24	gently removes odors from frequently used shawls, scarves or neckties
Soft Toys	1:33	refreshes soft toys
Silent Mode	2:03	quieter refresh cycle
Rainy Day	52	refreshes and gently dries damp clothing
Warm Up	30	warms up blankets and comforters
Static Removal	11	removes static using TrueSteam™

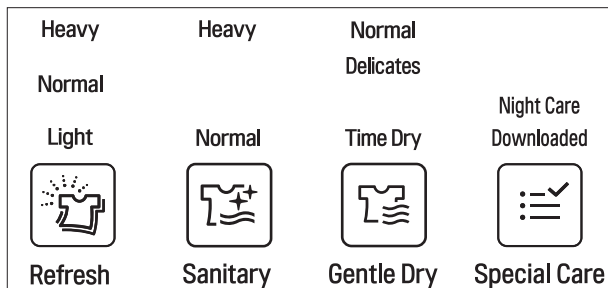
CYCLE SETTINGS AND OPTIONS

Cycle Selector Icons

To change the settings during the cycle, touch Start/Pause to pause the cycle, then touch the relevant cycle selector icon to change settings.

- **Touch the Start/Pause button to activate the control panel.**
The cycle selected and the Start/Pause button start blinking.

Selecting a Cycle



- 1 Touch Power
- 2 Touch the cycle selector icon repeatedly until the desired cycle and setting is illuminated.
- 3 Touch Start/Pause.

Changing Settings During a Cycle

- 1 Touch Start/Pause to pause the cycle.
 - 2 Touch the relevant cycle selector icon to change settings.
- During the Refresh and Sanitary cycles, the machine will make a boiling and hissing sound as water is boiled to make steam and steam is sprayed on clothes. This is normal.
 - The moving hanger will move even when only the shelf is being used.
 - Cycle times may vary depending on the usage environment, including water temperature.
 - Cycle time for the Gentle Dry cycle may be longer for wet clothes that are not spin dried.
 - Very thick clothing may not be as uniformly

dry at the end of the Gentle Dry cycle.

- If the Sanitary cycle is changed to a Refresh or Gentle Dry cycle during operation, the sanitize process is not performed.

CAUTION

- **Do not open the door during operation.** There is a risk of burns or injury from escaping hot air or steam.
- **Do not allow steam or hot air to escape the cabinet during operation.** Opening the door during operation also affects performance, lengthens drying time, and results in water condensing and collecting on the floor.
- **Do not put very wet items in the Styler to dry. Shake off or wring out excess water before putting items in the cabinet to dry.** If a large amount of water pools in the cabinet, drying performance may suffer or the product may be damaged.
- **Remove or store the shelf when hanging longer items so items won't get wrinkled.**
- **Fasten buttons and zippers on hanging clothes to prevent them from falling off hangers during operation.** Fasten the neck area with cotton string if there is no button or zipper.

Selecting the Downloaded Cycle

- 1 Touch Power
 - 2 Touch the Special Care cycle selector icon to select the Downloaded cycle.
 - 3 Touch Start/Pause.
- Download and use the LG Smart Styler app on a smart phone to confirm the current downloaded cycle or to download another cycle.
 - Only one Downloaded Cycle can be saved and changed at a time. See **Downloading Styler Cycles**, page 37.

SPECIAL FUNCTIONS

Some buttons also activate special functions, including the Control Lock.

Locking the Controls

Use Control Lock to prevent unwanted use of the Styler or to keep cycle settings from being changed while the Styler is operating.

- 1 **Touch and hold the Sanitary icon for three seconds to activate or deactivate the Control Lock function.**
 - 2 **The Control Lock icon lights in the display, and all controls are disabled except the Power button.**
- Control Lock does not lock the door.
 - The Control Lock setting is retained even if there is a power outage.
 - Once set, Control Lock remains active until it is manually deactivated. Control Lock must be deactivated to run another cycle.

Turning Alert Sounds On/Off

The button and alert sounds can be turned on/off.

- 1 **Touch and hold the Gentle Dry icon for three seconds to activate or deactivate the button and alert sounds.**
- 2 **A tone sounds to confirm the change.**

Setting a Delayed Start Time

Use the Delay Start function to delay the start time of the cycle.

- 1 **Touch Power**
- 2 **Touch the cycle selector icon for the desired cycle.**
- 3 **Touch Delay Start to set the start time of the cycle.**

The default delay time is three hours. Each time you touch the button, the time increases by an hour, up to 19 hours.

- Touch and hold the button to increase the delay time more quickly.
- Delay Start cannot be used for the Night Care cycle.



CAUTION

- **Do not open the door during operation.** There is a risk of burns or injury from escaping hot air or steam.
- **Do not allow steam or hot air to escape the cabinet during operation.** Opening the door during operation also affects performance, lengthens drying time, and results in water condensing and collecting on the floor.

* Smart Diagnosis™

Use this function with the LG Smart Styler application on a smart phone or when contacting the LG service center to help diagnose problems with the Styler. See **Using Smart Diagnosis™**, page 44.

SMART FEATURES

TAG ON

Before Using Tag On

The Tag On function allows you to conveniently use the LG Smart Diagnosis™ and Smart Download Cycle features to communicate with your appliance right from your own smart phone. To use the Tag On function:

- 1 Download the LG Smart Styler app to your smart phone.
- 2 Turn on the NFC (Near Field Communication) function in your smart phone.

The Tag On function can only be used with smart phones equipped with the NFC function and based on the Android OS (operating system).

Turning On the Smart Phone's NFC Function

- 1 Enter the Settings menu of the smart phone and select **Share & Connect** under **Wireless & Networks**.
- 2 Set **NFC** and **Direct/Android Beam** to **ON** and select **NFC**.
- 3 Select **Use Read and Write/P2P receive**.

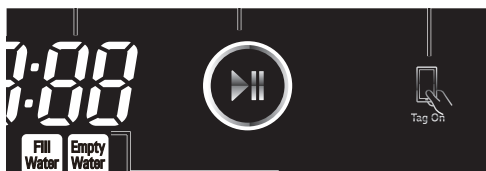
Using the Tag On Function



NOTE

Depending on the smart phone manufacturer and Android OS version, the NFC activation process may differ. Refer to the manual of your smart phone for details.

- 1 Look for the Tag On icon next to the Start/Pause button on the control panel.

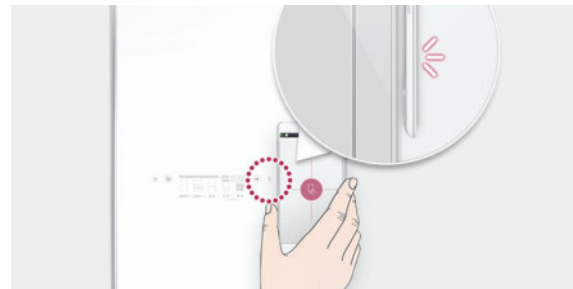


the Tag On icon 

Position the smart phone by the icon when using the Tag On function with the LG Smart Diagnosis™, Smart Download Cycle, and One Touch Styling features of the LG Smart Styler application.

- 2 Position the smart phone so that the NFC antenna target on the smart phone screen is over the Tag On icon on the appliance.

(Because the antenna is positioned inside the phone, the LG Smart Styler app shows a target range on the smart phone's screen based on recognized phone models.)



- 3 If the app is not able to show a target range, try positioning the center back of the smart phone over the Tag On icon on the appliance.

If the connection is not made immediately, move the smart phone very slightly in a widening circular motion until the application verifies the connection.

- Because of the characteristics of NFC, if the transmission distance is too far, or if there is a metal sticker or a thick case on the phone, transmission will not be good.
- Press [?] in the LG Smart Styler app for a more detailed guide on how to use the Tag On function.

Using Tag On with Apps

Touch an LG Styler's Tag On logo with an NFC-equipped smart phone, and the LG Smart Styler apps use the Tag On function.

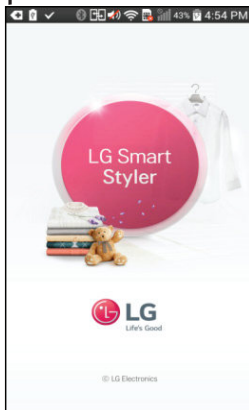
LG Smart Styler

Install and run the LG Smart Styler app from the Google Play Store or the App Store to use a variety of functions.

Downloading Styler Cycles

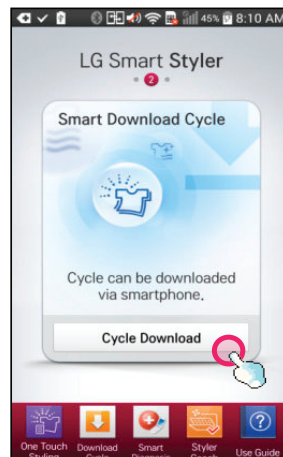
LG Smart Styler's Smart Download Cycle app allows you to download a cycle for later use. The cycle is available at the Downloaded cycle position on the control panel until another cycle is downloaded.

- 1 Install the **LG Smart Styler** application on an NFC-equipped smart phone.



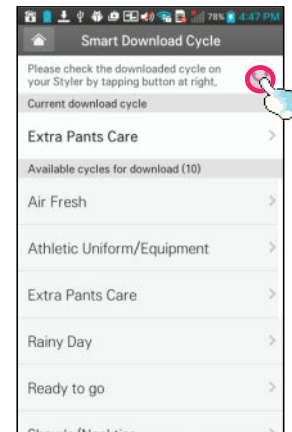
Download the application from the Play Store, install it and run it.

- 2 Select the **Smart Download Cycle** app.

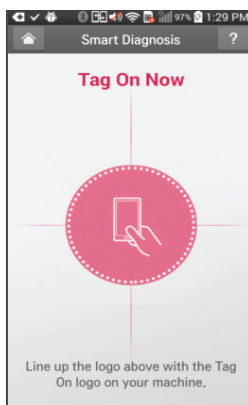


Select **Cycle Download** on the opening screen.

- 3 Click through the NFC info.
- 4 Confirm the current downloaded cycle.

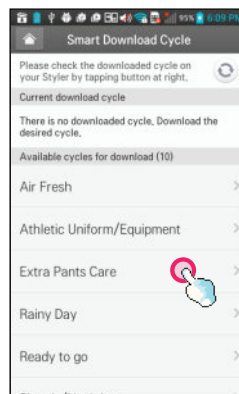


- 5 Touch the **Tag On** logo.



- When a Tag On screen appears (see above), tap your smart phone on the Tag On icon on the right side of the Styler's control panel.
- If the phone isn't recognized, touch [?] on the upper right of the Tag On screen on your LG Smart Styler application to see the detailed guide, or see **Using the Tag On Function**, page 36.

- 6 Select a cycle to download.

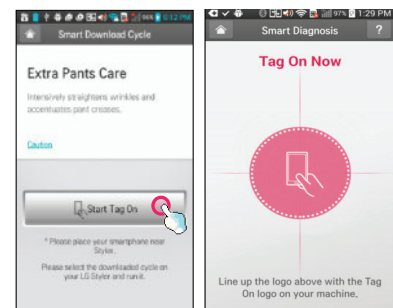


The current downloaded cycle is at the top of the screen and the available cycles are below that. You can also confirm the existing downloaded cycle.

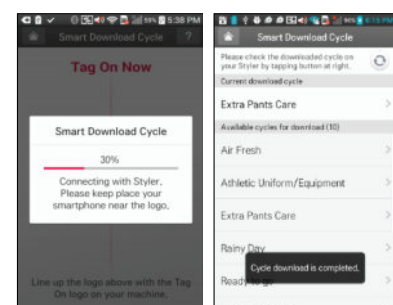
❖ Images are for reference only. The actual LG Smart Styler application is subject to change for product improvement purposes.

- 7 Touch the **Tag On** logo.

- When a Tag On screen appears (see below), tap your smart phone on the Tag On icon on the right side of the Styler's control panel.



- 8 The new cycle is downloaded successfully!



MAINTENANCE

REGULAR CLEANING



WARNING

To reduce the risk of fire, electric shock, or injury to persons when using this appliance, follow basic precautions, including the following:

- **Unplug the Styler before cleaning to avoid the risk of electric shock.** Failure to follow this warning can cause serious injury, fire, electrical shock, or death.
- **Never use harsh chemicals, abrasive cleaners, or solvents to clean the Styler.** They will damage the finish.

Cleaning the Interior and Exterior

Proper care of your Styler can extend its life.

- 1 **Clean the inside and outside of the machine with a damp cloth.** Glass cleaner can be used to clean the front glass panel, but spray it on a cloth and wipe rather than spraying it directly on the panel.
- 2 **Buff the door dry with a clean, dry cloth to prevent any water stains.**
- 3 **Allow the interior and exterior to dry completely before plugging in and operating the product.**



CAUTION

- **Do not spray water directly on the product.**
- **Do not use detergent, methylated spirits, solvents, or any volatile liquids to clean the exterior of the product.**
- **Never use steel wool or abrasive cleansers; they can damage the surface.**
- **Keep sharp objects away from the exterior of the product.** The touch panel may not work if damaged.

Cleaning the Lint Filter

Always remove the lint from the filter after every cycle. See **Checking the Lint Filter**, page 22.

If the lint filter has become very dirty or clogged, wash the lint filter in warm, soapy water and allow to dry thoroughly before reinstalling.

- Never operate the Styler without the lint filter.
- Never operate the Styler with a wet lint filter.

Cleaning the Aroma Filter

For best results, wash the aroma filter using hot water and dish soap. After cleaning, wipe the filter with a clean cloth and allow it to dry thoroughly before reinstalling it.

The aroma filter can also be cleaned in the top rack of the dishwasher.

- Never operate the Styler without the aroma filter.
- Never operate the Styler with a wet aroma filter.

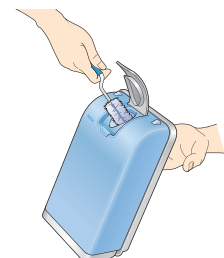
Cleaning the Water Tanks

The water in the water supply tank contacts the clothing and items treated in the Styler directly. Clean both tanks periodically and keep them clean at all times. If the tanks are not properly cleaned, they may start to smell or need to be replaced.

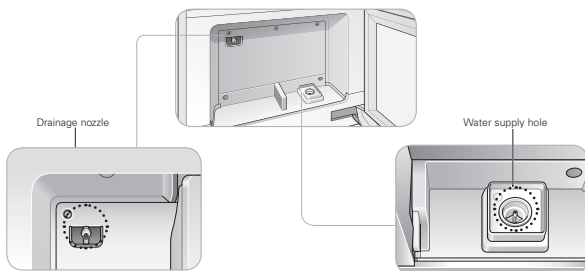
- Use only clean tap water in the supply tank for best performance and to prolong the life of the product. Do not use distilled water.
- Do not reuse the water from the water drain tank in the water supply tank.

- 1 **Clean the exterior of the tanks with a wet cloth.**
- 2 **Use a cleaning brush or detergent made exclusively for water tanks to clean the inside of the water tanks.**

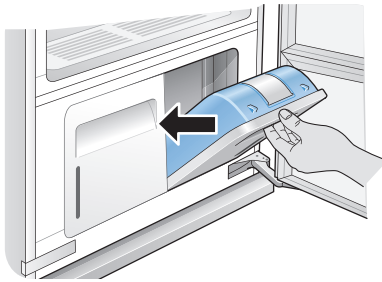
These can be found online or at a local RV and camping store.



-
- 3 Make sure the drainage nozzle connected to the water drain tank and the water supply hole connected to the water supply tank are not clogged.**



- 4 Allow the outsides of the tanks to dry completely before reinstalling the tanks.**



5

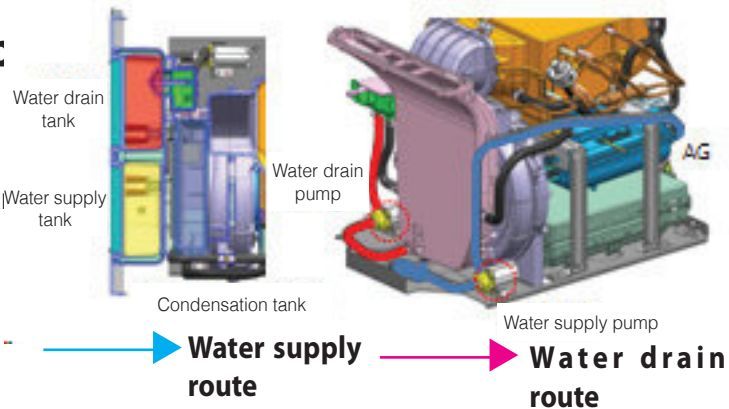
Inspecting the Product

⚠ CAUTION Pull out the power cord before inspecting the parts of the product.

5-1. Water Supply/Drain Pump

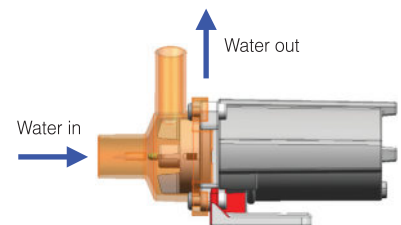
1. Function

- 1) Supplying water to AG
: Water supply tank → Water supply pump
- 2) Removing condensation water
: Condensation tank → Drain pump →



2. Precautions

- 1) Water inlet should be under water.
- 2) Foreign substances: Gap between the impeller and the cover is 0.6 - 1 mm. Make sure that no foreign substances of 0.5 - 1.2 mm enter the pump.
- 3) Rotating direction is fixed, so you need to connect the + and - wires correctly.
- 4) Others: Noise may occur if you pull the water supply hose and the air layer is formed inside the hose or if the pressure inside the hose increases.



3. Potential Failures

- 1) Noise: Water supply tank
- 2) Precautions
- 2) Water inlet should be under water.
- 3) Foreign substances: Gap between the impeller and the cover is 0.6 - 1 mm. Make sure that no foreign substances of 0.5 - 1.2 mm enter the pump.
- 4) Rotating direction is fixed, so you need to connect the + and - wires correctly.
- 5) Others: Noise may occur if you pull the water supply hose and the air layer is formed inside the hose or if the pressure inside the hose increases. There is no water in the residual water tank. Idling occurs due to the wrong connection of wires. Foreign substance is present in the pump.
- 6) The component does not work: Terminal connection for water supply/drain pumps is incorrect. Foreign substance is present in the pump. Faulty component is used.

4. Things to Check in Case of Failure

- 1) Check the Precautions section first.
- 2) Measure the power consumption in the case of motor movement restriction - The value should be below 200 mA.
- 3) Check the cycle in the case of impeller movement restriction - The value should be above 600 mm.
(Water should pour out from the hose connected to the water drain pump.)
- 4) Measure the resistance in the case of faulty motor - The resistance should be $20 \Omega \pm 5 \%$.

5-2. Steam Heater

1. Function

- 1) It heats the water inside the AG for steam injection.

2. Precautions

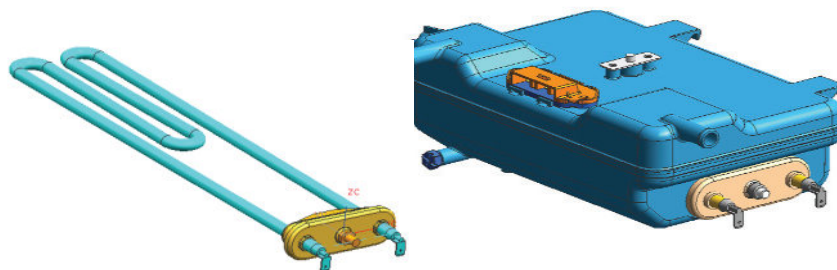
- 1) The heater should not be exposed to air (factors such as tilting and vibration should be considered to see if the heater is exposed to air).
- 2) Do not use the heater that was detached from the AG. Otherwise, water may leak.

3. Potential Failures

- 1) The heater does not work: When the heater is exposed to air, the heater may overheat, causing disconnection. If the water quality is bad, foreign substances such as lime may stick to the surface of the heater, which may lead to overheating and damage the heater.
- 2) Heater overheats: If the water level sensor reads incorrect values under the high voltage condition, the thermistor may be damaged and lead to overheating of the heater.

4. Things to Check in Case of Failure

- 1) Check the Precautions section first.
- 2) If the heater does not work, check if there is disconnection in the heater or if the thermistor is not faulty (check its exterior as well as its properties). Also, check the resistance between heater terminals.
- 3) If the heater overheats, check if the thermistor is not faulty (check its exterior as well as its properties). Also check the resistance between heater terminals.
※ The resistance should be $29.5 \Omega \pm 7 \%$.



5-3. Main Fan

1. Function

- 1) Drying: It supplies the air that was heated by heat exchanger into the product and circulates it to dry the clothes that are wet.

2. Precautions

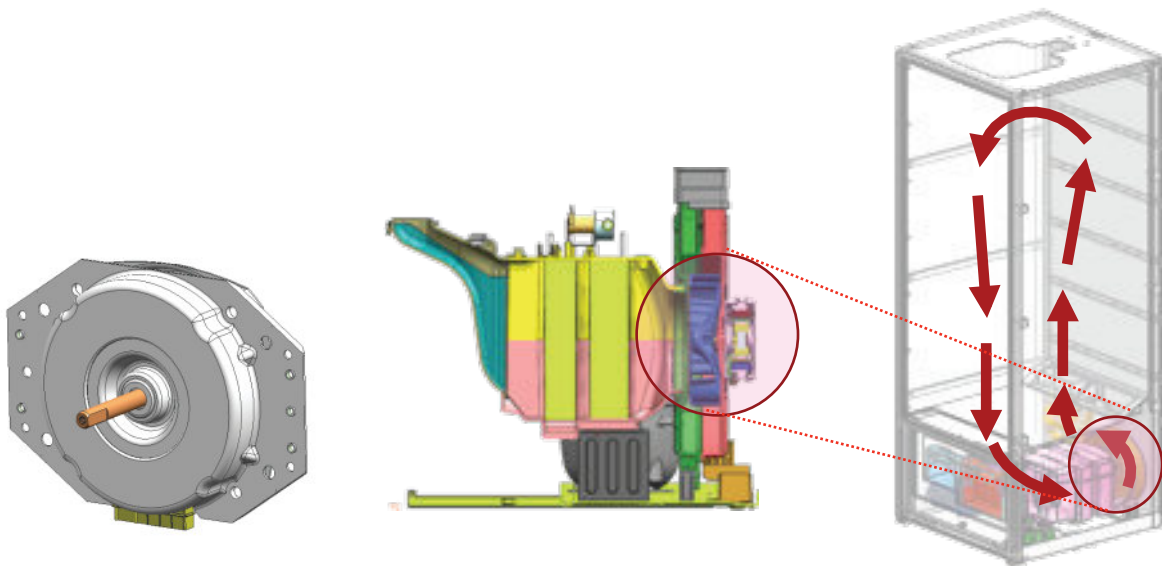
- 1) When the water penetrates into the motor, noise may occur.
- 2) The product may be damaged due to external impact such as vibration and overload.

3. Potential Failures

- 1) Noise: Noise may occur due to the friction between impeller and housing or due to the internal bearing damaged by vibration or overload.
- 2) The component does not work: The component is not fully inserted into the housing.
- 3) The fan movement is restricted: There is interference between parts (If any of the tightening screws is missing on the impeller, the impeller may shake, interfering with surrounding parts).

4. Things to Check in Case of Failure

- 1) Check the Precautions section first and figure out the cause of failure.
- 2) If the motor is faulty, measure the coil resistance. The resistance should be $29 \pm 5 \%$ (75 °C).



5-4. LEV

1. Function

- 1) The LEV lowers the pressure of the refrigerant so that the refrigerant can evaporate easily from the evaporator, improving the refrigerant efficiency.
- 2) It adjusts the amount of refrigerant that flows into the evaporator.

2. Precautions

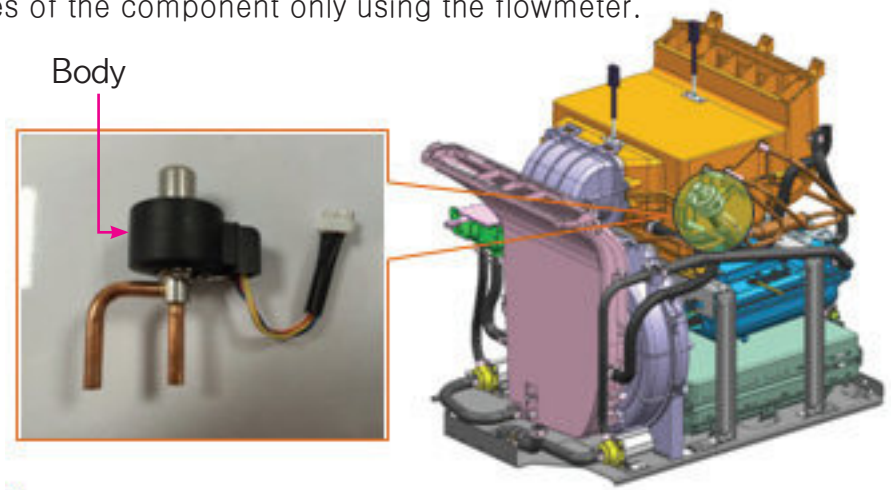
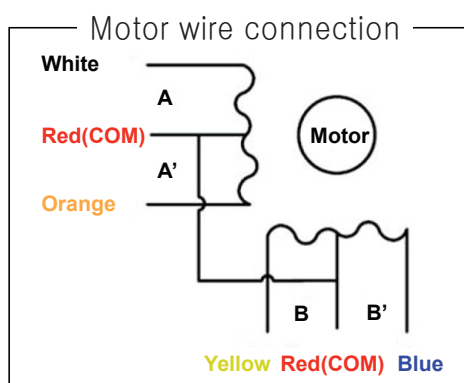
- 1) If the LEV is deformed due to the heat generated from the welding of LEV to the assembly, the LEV may not work properly in the Drying and Refresh modes. Check if there is any discoloration in the brass part within 5 mm from the body.
- 2) If the external impact was applied to the product or foreign substances have entered the product, the properties of the LEV may change, leading to the malfunction of the product in the Drying and Refresh modes. This problem, however, cannot be detected with eyes.

3. Potential Failures

- 1) Clothes not dried or partially dried: Deformation inside the LEV due to welding or external impact
- 2) The component does not work: If the orifice is clogged due to foreign substances, overload is applied to the component.

4. Things to Check in Case of Failure

- 1) Deformation inside the product due to the welding: Make sure that there is no discoloration in the brass part within 5 mm from the body and that the label on the body has not burned.
- 2) If the motor is faulty, measure the resistance. The resistance should be $46 \pm 3.7 \Omega$.
 - ※ Measure the resistance between the Red_Com wire and each phase (select one from white, orange, yellow, and blue).
 - ※ You can check the properties of the component only using the flowmeter.



5-5. Pulley Motor(Moving Hanger)

1. Function

- 1) Product improvement: The pulley motor shakes the clothes that are on the hanger to the left and right, improving the efficiency of wrinkle and odor removal.

2. Precautions

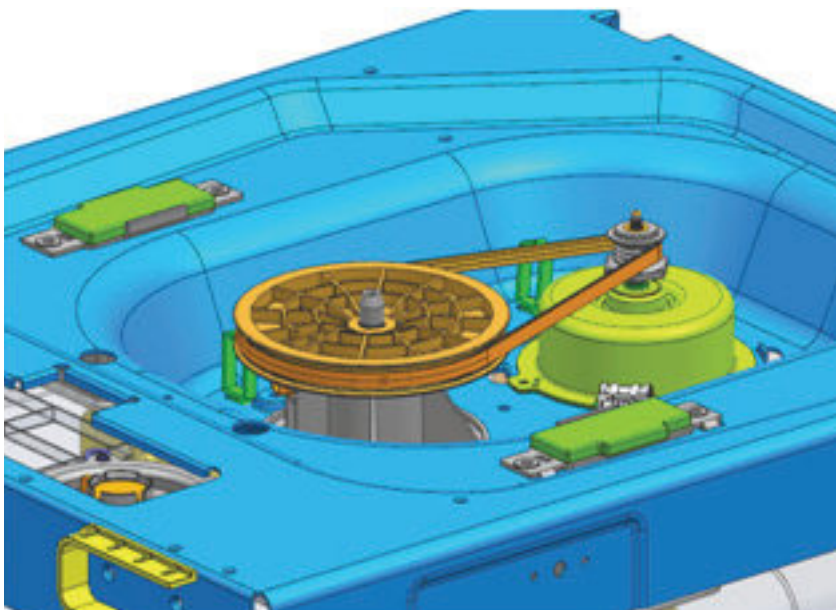
- 1) When the water penetrates into the motor, noise may occur.
- 2) The product may be damaged due to external impact such as vibration and overload.

3. Potential Failures

- 1) Noise: Noise may occur due to the interference or friction between related parts when the motor is operating. It may also occur due to the damage of internal bearings caused by the vibration arising from product overload.
- 2) The component does not work: The component is not fully inserted into the housing.
- 3) The movement is restricted: It occurs due to the overload of the product.

4. Things to Check in Case of Failure

- 1) Check the Precautions section first and figure out the cause of failure.
- 2) If the motor is faulty, measure the coil resistance. The resistance should be $3.82 \pm 5\%$ (75 °C).



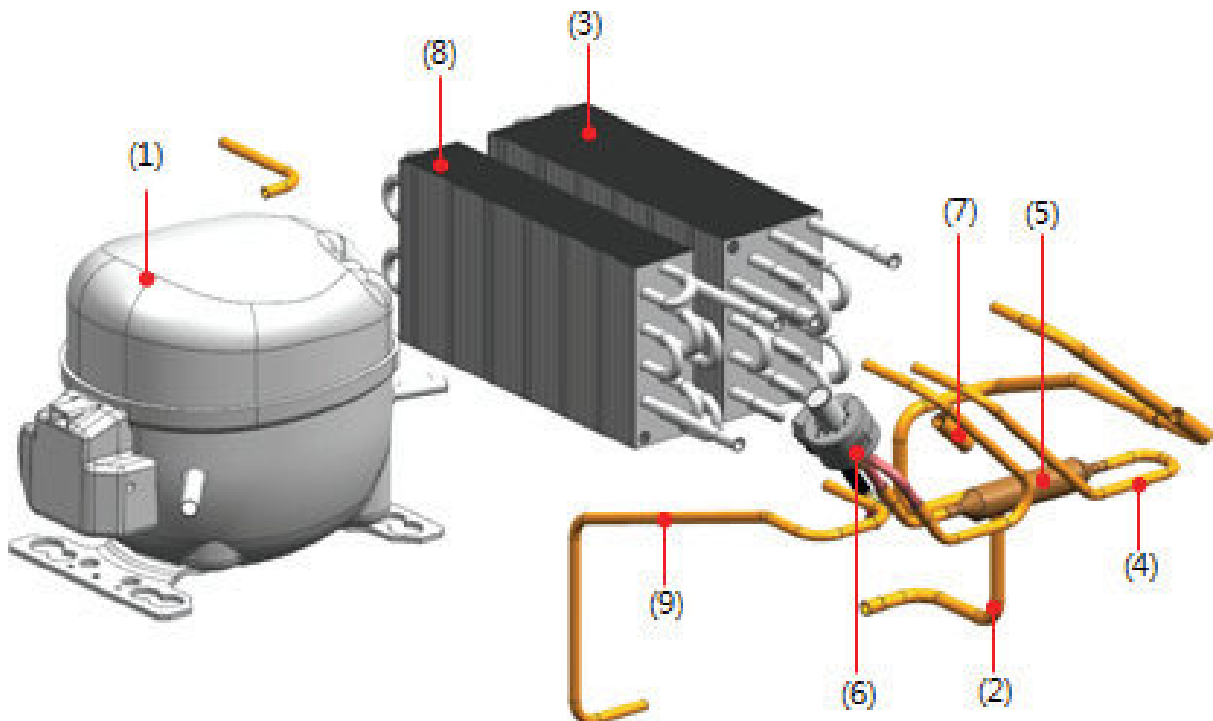
6-1. Heat Pump Cycle (Principles of Heat Pump/Refrigerant Gas Circulation)

6-1-1. Principles of Heat Pump

Heat pump maintains the temperature higher than the ambient temperature. In order to achieve this, it requires insulated space, refrigerant R134a for absorbing heat, and a circulation circuit for controlling phase of the refrigerant (compressor, condenser, evaporator, etc.).

6-1-2. Refrigerant Gas Circulation

- (1). Compressor
- (2). Pipe, Cond In
- (3). Condenser
- (4). Pipe, Cond Out
- (5). Dryer
- (6). LEV
- (7). Pipe, Eva In
- (8). Evaporator
- (9). Pipe, Eva Out



6-1-3. Operation of Circulation Circuits

No.	Part name	Details of operation	Refrigerant gas status (inlet/outlet)
1	Compressor	It compresses the refrigerant from low pressure (5 kgf/cm ²) to high pressure (15 ~ 18 kgf/cm ²).	Low pressure gas → High pressure gas Temperature (30 °C) → (80 - 120 °C)
2	Condenser and Hot Line Pipe	As the high pressure refrigerant releases its heat to outside, it turns into liquid.	High pressure gas → High pressure liquid Temperature (80 - 120 °C) → (40 - 60 °C)
3	Dryer	It contains moisture absorbent that absorbs the moisture in circulation circuit. (Moisture absorbent)	
4	Evaporator	Low pressure 2-phase refrigerant absorbs heat and turns into low pressure gas.	Low pressure liquid → Low pressure gas Temperature (0 - 20 °C)
5	Suction pipe	It connects the evaporator and compressor.	Low pressure gas Low pressure gas Temperature (10 - 30 °C) → (30 °C)

*** When the low pressure liquid refrigerant turns into gas on the evaporator, the evaporation occurs throughout the entire case from inlet to outlet, causing the noise of flowing liquid. Noise may or may not occur depending on the load condition inside the case. This is not a product failure.**

6-2. Refrigerant

6-2-1. Overview of Refrigerant

Name of refrigerant	Properties	ODP*	GWP**	Remarks
R134a	The refrigerant does not contain chlorine, which is recognized as the cause of ozone layer destruction, and GWP level is significantly lower than that of the previous R12 (GWP: 15300).	0	1200	Refrigerant

* ODP: Ozone Depletion Potential (relative value calculated when CFC11 corresponds to 1.0)

** GWP: Global Warming Potential (relative value calculated when CO2 corresponds to 1.0)

6-3. Solving the Product Noise

6-3-1. Reducing the Noise

- Blocking the sound: Block the propagation path of the sound with high-density noise insulation material so that the sound cannot be heard.
- (Effective in high-frequency range)
- Using sound-absorbing material: It is similar to blocking, but uses styrofoam, glass wool, etc. for absorbing noise.
- (Effective in low-frequency range)
- Preventing vibration: Prevent mechanical vibration of the machine from being transferred to other materials.
- (Using vibration-proof rubber)
- Maintaining dynamic balance: Minimize the dynamic imbalance of a rotating body.
- Fixing the vibrating part: Be sure to fix the vibrating part securely so that it does not move.
- Removing collision: In order to prevent noise arising from two materials bumping into each other, you should either isolate them or securely fix them.

6-3-2. Major Noise Claims and Service Methods

Noise Claim	Symptom or Cause	Service Method	Remarks
Noise due to incorrect installation	▶ Styler is installed on a weak floor. ▶ Styler is not level.	<ul style="list-style-type: none"> • Strengthen the floor. • Move to another location. • Use the adjusting screws in front of the styler to make it level. 	
Part vibration	▶ Whizzing sound	<ul style="list-style-type: none"> • Styler parts should be securely inserted into their proper position. 	▶ Inside the fridge
Resonance sound of the compressor	▶ Humming sound	<ul style="list-style-type: none"> • Remove noise by adjusting pipes and seat rubbers. 	
Compressor noise	<ul style="list-style-type: none"> ▶ Imbalance of the compressor ▶ Sound due to collision with surrounding pipes 	<ul style="list-style-type: none"> • Maintain the balance of the compressor by adjusting surrounding pipes and seat rubbers. • Prevent collision. 	
Noise of starting device	<ul style="list-style-type: none"> ▶ Noise due to the connection/disconnection of CUP contact point when starting the compressor ▶ Clicking sound 	<ul style="list-style-type: none"> • Replace the CUP. 	
Noise (vibration) due to wire condenser	<ul style="list-style-type: none"> ▶ Humming sound ▶ Bouncing sound 	<ul style="list-style-type: none"> • Check if the screws are fixed tightly. • The contact point of heat sink (wire) bounces Remove the heat sink 	

6-4. Conducting Major Repair of Heat Pump Cycle

6-4-1. Repair Work Standards for the Styler that Uses Refrigerant R134a

No.	Work Category	Unit	Work Standards	Purpose	Remarks
	Opening time for pipe and pipe parts	Minutes	Pipe parts: Within 1 hour Compressor: Within 10 minutes Dryer: Within 20 minutes	To prevent water from penetrating	When it is rainy, reduce the time to lower than half of the specified time. (Water penetrating into pipe can be detrimental.)
	Welding work	Nitrogen supply pressure	Be sure to perform welding while supplying nitrogen. (Nitrogen pressure: 0.1 - 0.2 kg/cm ²)	To prevent oxidation scale from forming inside the pipe due to the welding heat	<ul style="list-style-type: none"> - For the details on the work methods for different parts, refer to the Precautions for Major Repair. - When you weld the pipes, delicate welding is required since the size of R134a refrigerant molecule is very small. Otherwise, the refrigerant may leak through tiny holes. - Do not apply force to the pipe parts before/after welding. Otherwise, it may cause crack (leakage) on the pipe.
	Styler cycle	Vacuum time	Minutes	40 minutes or more	To remove moisture
		Vacuum level	Torr	0.03 Torr or below (reference value)	
		Vacuum area		Apply high/low pressure vacuum at the same time.	
		Vacuum pipe	EA	Use manifold for R134a.	
		Pipe coupler	EA	Model and manufacturer compatible with R134a	
		Socket	EA	Plug for	
		R134a	EA	For R134a	
	Measuring the amount of refrigerant (Cylinder)	EA	Use R134a. The measurement tolerance is ± 5 g. Note) In the winter, you may want to reduce the amount by 5 g and, in the summer, increase the amount by 5 g.	Do not mix it with other refrigerant.	<ul style="list-style-type: none"> - Do not measure the refrigerant amount in a place where the ambient temperature is too high or too low (the ambient temperature of approx. 25 is most suitable). - Use the copper (Cu) on the body part when you manufacture another cylinder.
	Replacing dryer		<ul style="list-style-type: none"> - Use the one for R134a. - Be sure to replace the dryer when you repair the cycle pipe. 	To remove the moisture left inside the pipe.	
	Leakage inspection		<ul style="list-style-type: none"> - Never use soapy water to check for the leakage. Soapy water may flow into the pipe during the vacuum cycle due to the vacuum inside the pipe. - Leakage detector model: 10170.16500 Manufacturer: Robinair, U.S.A 	To detect the leakage of refrigerant	<ul style="list-style-type: none"> - When you check for the leakage of refrigerant, be sure to check whether oil has leaked. If you cannot detect the oil leakage, use an electronic leakage detector.

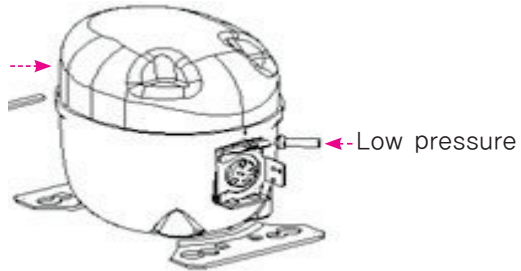
6-4-2. Overview of Major Repair Work

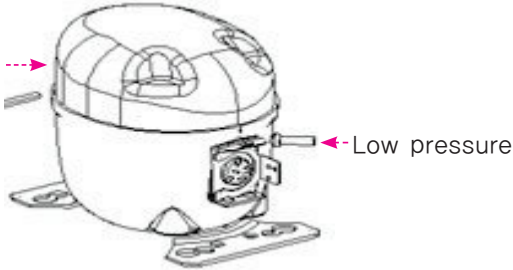
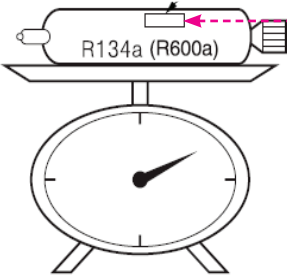
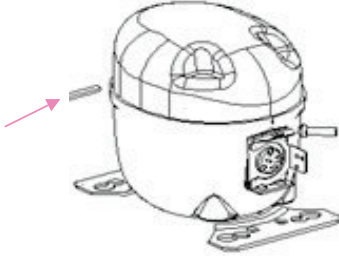
Work sequence	Details of major repair	Work tools
1. Diagnosing failure		
2. Removing the remaining refrigerant	Cut the ends of the pipe on the dryer side (high pressure) and the compressor charging side to drain the refrigerant.	Plier, wire cutter
3. Replacing and welding parts	<ul style="list-style-type: none"> - Be sure to use the R134a refrigerant and the compressor, dryer, and oil that are designed for R134a. - If the part you are using is nitrogen- or vacuum-packed, check whether you can hear the sound of nitrogen gas coming out when you open the packing. If you can, it means the packing is in good condition. Only use the part whose packing is in good condition. Assemble or weld the part immediately once you open the packing. - Be sure to perform nitrogen substitution when you weld the parts. Nitrogen pressure: 0.1 - 0.2 kg/cm² - Be sure to conduct repair work on a clean and dry place. 	Pipe cutter, gas welding machine, nitrogen gas welding rod (silver soldering: IS-430B, copper soldering: Bcup-2) Flux (Hydrox Korea)
4. Vacuum degasification	<ul style="list-style-type: none"> - Connect the hose and vacuum pump of the manifold gauge to the high pressure side (dryer part) and low pressure side (compressor refrigerant charging part) and apply vacuum for 60 minutes or more. - Vacuum degasification speed: 113 ℓ/min 	Vacuum pump (for R134a), manifold gauge
5. Charging the refrigerant and welding the inlet	<ul style="list-style-type: none"> - Measure the cylinder for R134a provided by LG using the electronic scale in vacuum state within ± 5 g of the specified volume and inject the refrigerant into the refrigerant charging part of the styler compressor (inject refrigerant while operating the product). - Pinch the inlet and carefully weld it. 	Cylinder for R134a, refrigerant R134a, manifold gauge, electronic scale, pinch-off plier, gas welding machine
6. Checking leakage and performance of refrigerant	<ul style="list-style-type: none"> - Conduct leakage inspection on the part that you welded. - Fine leakage: Use the electronic leakage detector. - Excessive leakage: Leakage of the compressor oil can be detected visually or with finger. * Caution: Do not conduct leakage inspection with soapy water. - Cooling performance inspection <ul style="list-style-type: none"> Check if it is warm when you touch the pipe, cond In, and condenser with your hand. Check if the moisture is evenly distributed on the surface of the evaporator. 	Electronic leakage detector, screwdriver (+)
7. Cleaning machine room and tools	<ul style="list-style-type: none"> - Clean the flux on the silver welding part with soft brush or wet cloth (flux can be a cause of corrosion and leakage). - Wipe out the dust and moisture from the tools for R134a and store them in a clean tool box. Put the tool box in a location where you can find it easily. 	Brass brush, cloth, tool box
8. Moving / installation	Installation after moving the product should be conducted according to the installation method described in the Repair Work Standards for Styler. (Keep the distance of 5 cm or more from the wall.)	

6-4-3. Precautions When Performing Major Repair

Category	Precautions
1. Using tools	Be sure to use the parts and tools that are designed for R134a.
2. Removing the remaining refrigerant	1) Remove the remaining refrigerant at least 5 minutes after you turn off the styler. (Otherwise, the Internal oil may leak.) 2) When you remove the refrigerant, first cut the high pressure side (dryer part) with the wire cutter and then cut the low pressure side to drain the remaining refrigerant. (If you do this in the opposite order, large amount of oil may leak. So, be sure to follow the cutting order.)
3. Replacing dryer	Be sure to use the dryer for F134a when repairing the pipe or injecting the refrigerant.
4. Nitrogen substitution welding	To prevent oxidation scale from forming inside the pipe due to the welding heat, be sure to perform nitrogen substitution at the specified nitrogen pressure while welding (nitrogen pressure: 0.1 - 0.2 kg/cm ²).
5. Others	1) Be sure to use only the nitrogen gas or R134a refrigerant when you are cleaning up the inside of the cycle pipe or refilling it. 2) Be sure to conduct leakage inspection using the electronic leakage detector. 3) Be sure to use the pipe cutter when you cut the pipe. 4) Make sure that no water penetrates into the cycle.

6-4-4 Details of Major Repair

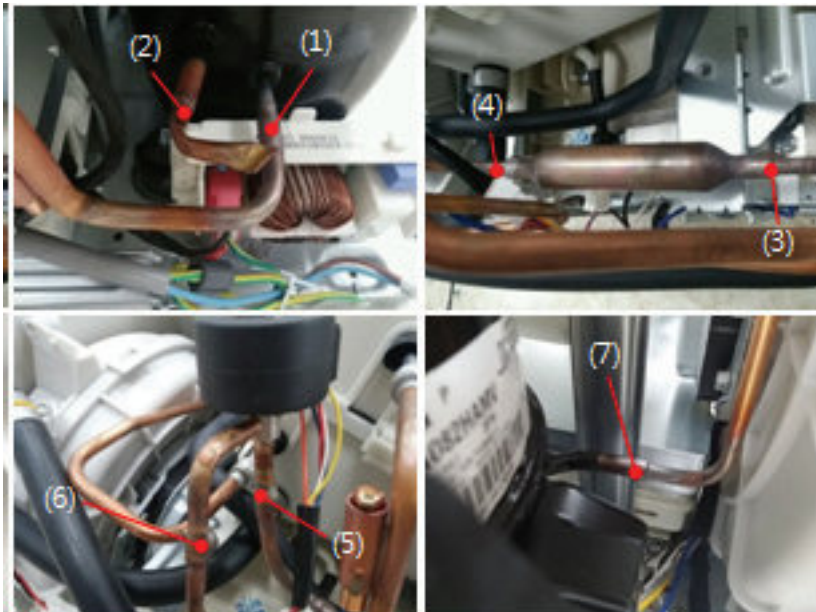
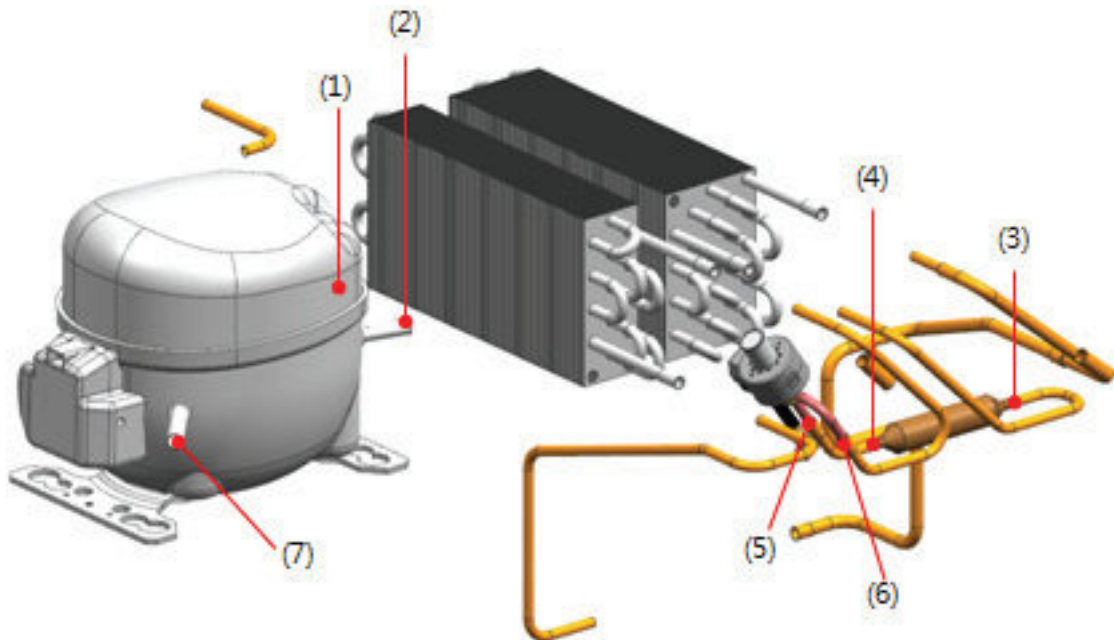
Category	Precautions
1. Removing the remaining refrigerant	<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 20px;">High pressure</div>  </div> <p style="text-align: center; color: magenta; background-color: #f0f0f0; padding: 5px;">Important: Follow the order for removing the refrigerant. (Otherwise, the compressor oil may leak.)</p> <ol style="list-style-type: none"> ① Remove the remaining refrigerant at least 5 minutes after you turn off the styler. (Otherwise, the Internal oil in the compressor may leak.) ② When you remove the refrigerant, first cut the high pressure side (dryer part) with the wire cutter and then cut the low pressure side to drain the remaining refrigerant slowly.
2. Welding using nitrogen substitution	<p style="text-align: center; color: magenta; background-color: #f0f0f0; padding: 5px;">Important If you perform welding without nitrogen substitution, oxidation scale may form inside the pipe and deteriorate the performance and reliability of the product.</p> <p>Replacing dryer Assemble the dryer and conduct welding while blowing nitrogen gas (0.1 - 0.2 kg/) to the high pressure side.</p> <p>Replacing compressor Conduct welding while blowing nitrogen gas to the low pressure side.</p> <p>Note) Possibility of oxidation scale forming in other parts is very low due to the short welding time. So, the nitrogen substitution is not necessary in those parts.</p>

Category	Precautions
<p>3. Vacuum degasification</p>	<div style="text-align: center;">  </div> <p style="text-align: center;">Key Point</p> <p style="text-align: center;">- Conduct the vacuum degasification while you operate the compressor when you suck up the refrigerant. (This way, refrigerant injection is easy and error-free.)</p> <p>Pipe connection Connect the red hose to the high pressure side and blue hose to the low pressure side.</p> <p>Vacuum sequence Open the valve and apply vacuum for 40 minutes, then close the valve.</p>
<p>4. Refrigerant charging</p>	<p>Work sequence</p> <ol style="list-style-type: none"> 1) After you complete the vacuum degasification, check the amount of refrigerant to be injected for the model. 2) Use the vacuum pump to generate vacuum in the cylinder. 3) Measure the amount of refrigerant to be charged. <ul style="list-style-type: none"> - Measure the weight of the cylinder in the vacuum state using the electronic scale. - Charge the refrigerant to the cylinder and measure the weight. <div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <p>Indicate the weight of the empty cylinder.</p> </div> </div> <div style="margin-top: 20px;"> <p>Calculating the amount of refrigerant charged:</p> <p>Refrigerant amount = Weight after charging – Weight before charging (the cylinder weight)</p> <p>Refrigerant: Material number RAC30248902 (refrigerant amount: 160 g)</p> </div> <div style="margin-top: 20px;">  <div style="background-color: #e0e0e0; padding: 10px; margin-left: 20px;"> <p>Key Point</p> <ul style="list-style-type: none"> - Perform the work at a location where the ambient temperature is approx. 25 . - In the winter, you may want to reduce the amount by 5 g and, in the summer, increase the amount by 5 g. </div> </div> <ol style="list-style-type: none"> 4) After you complete the charging, use the pinch-off plier to pinch the charging pipe. 5) Weld the end of the pinched charging pipe with copper soldering and conduct gas leakage inspection on the welding part.
<p>5. Gas leakage test</p>	<p>Use the electronic leakage detector on the parts where leakage may occur, including the welding part.</p>
<p>6. Arranging cycle pipes</p>	<p>Once the work is complete, check if the pipes are in their original position. Especially, maintain the distance of 10 mm between the pipes.</p>

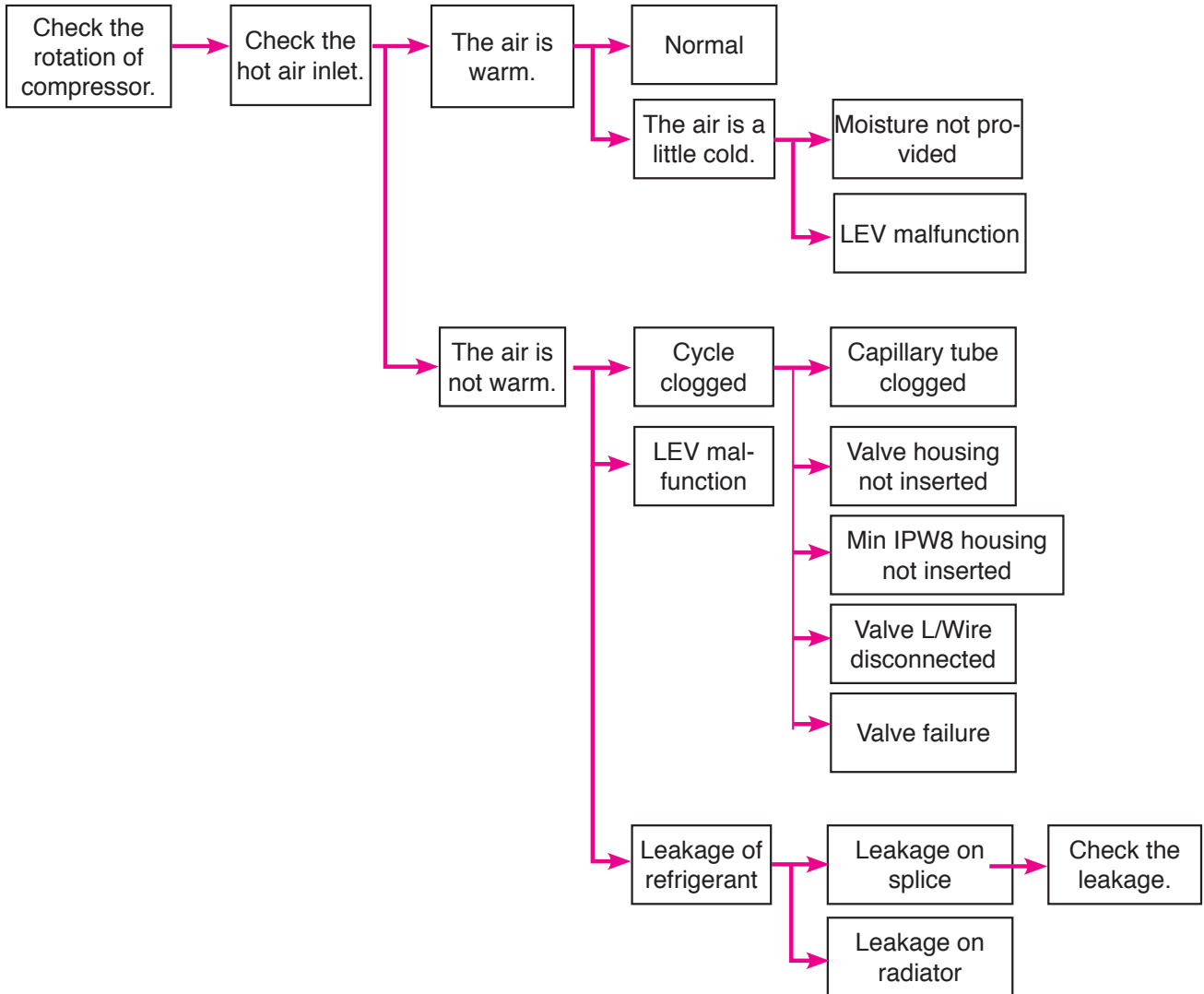
6-4-5 Basic Guidelines for Major Repair

- 1) Follow the safety guidelines for handling gas.
- 2) Use the hot grill jig or wet towel when you perform welding so that you don't get burned.
- 3) Prevent the copper pipe from being oxidized due to overheating when you perform welding.
- 4) Make sure that the intake pipe and charging pipe are not mixed up when you conduct welding (high-efficiency pump).

6-4-6 Reference Drawings for Welding



6-4-7. Troubleshooting Flowchart



6-4-8 Precautions When Servicing the Product

1) Cycle clogging and leakage

- When you replace parts, perform welding, or charge refrigerant due to cycle clogging and leakage, be sure to replace the dryer so that the moisture inside the cycle is removed.

Cycle clogging and leakage on the welded part Fix the clogging and perform welding on the leaked area
Replace the dryer Vacuum and charge refrigerant Done

2) Servicing LEV

- When you perform welding to repair or replace the valve, heat may be transferred to the pipe and the plastic damper inside the valve may be deformed, resulting in a failure. Be sure to service the LEV according to the procedure described below.

1) Servicing valve welding part

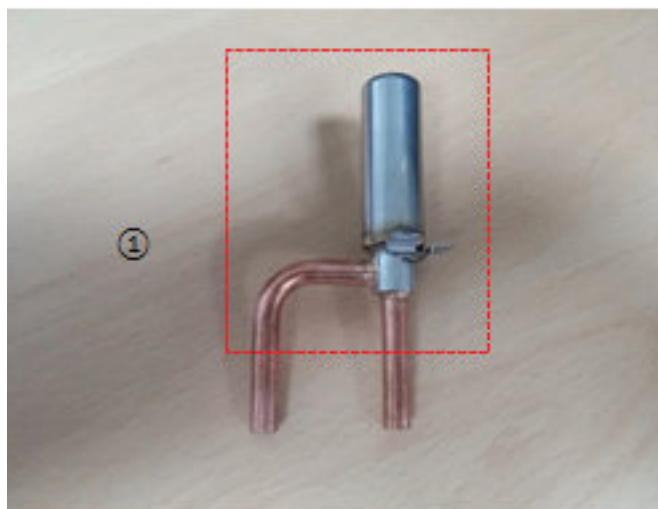
- If the refrigerant leaks, replace the valve assembly. (If you need to perform welding, be sure to cover the valve with wet towel to minimize the transfer of the welding heat (below 100).)
- Refer to the figure below to see which part you need to cover with wet towel.

2) Servicing the valve when replacing it (valve failure)

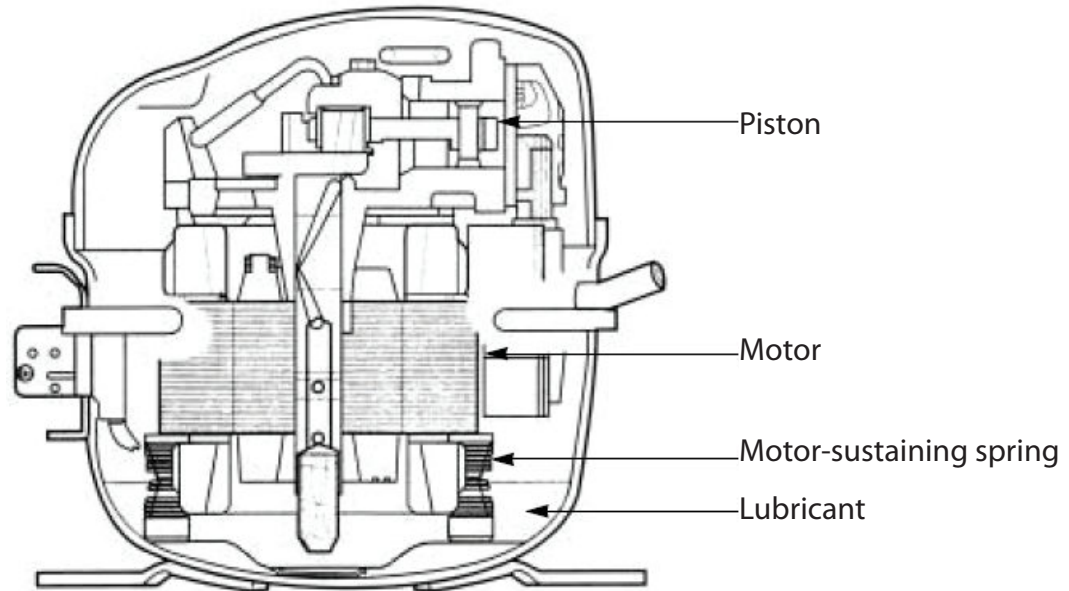
Use the same service procedure as described in the above section.

3) Other precautions

- ① If you drop the valve or apply strong impact to the valve, its internal parts may be damaged. (The damaged internal part can cause malfunction or leakage.)



7-1. Function and Operating Principle of Compressor (Reciprocating)



Compressor contains lubricant that is applied to the piston part that compresses refrigerant gas from low pressure to high pressure and the motor part that operates the piston part. The lubricant lubricates and cools the piston and motor parts.

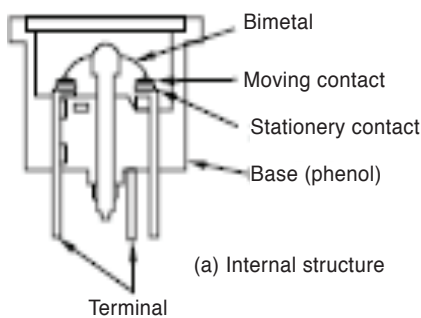
Low pressure refrigerant is distributed inside the compressor and high pressure refrigerant is compressed by the piston and transferred to the condenser through a separate pipe.

Caution

- Compressor is charged with nitrogen gas and covered with a rubber cap when it is delivered. This prevents the oxidation and blocks moisture from penetrating into the compressor. If you hear the sound of nitrogen gas coming out when you remove the cap to replace the compressor, the compressor is in good condition.
- If the nitrogen gas has leaked, it means that moisture has penetrated into the component. In this case, you should not use the component.
- It is not rare for the compressor to have eccentricity in the motor shaft when external impact is applied to it.

7-2. Structure and Function of Overload Protection (O.L.P) Relay

- Overload protection relay blocks the power that is supplied to the motor and protects the motor wiring when the temperature of compressor rises abnormally or overcurrent is applied to the compressor motor.
- Overload protection relay consists of a bimetal element that responds to high temperature and a heater that is heated when overcurrent is applied, detecting the high temperature of the compressor. Its circuit is connected to the compressor motor in a series.
- The overload protection relay produces a clicking sound and the contact point of the bimetal element is detached when high temperature is detected. As the heater is cooled or the temperature is lowered after 3 - 5 minutes, the contact point of the bimetal element is connected again, making a clicking sound, and the compressor operates again.



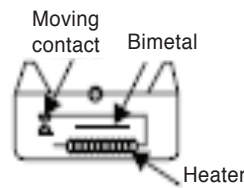
(a) Internal structure

Terminal

Overload Relay Structure for DD51



(b) Electric circuit diagram



(a) Internal structure



(b) Electric circuit diagram

Overload Relay Structure for MTE82 and NS836

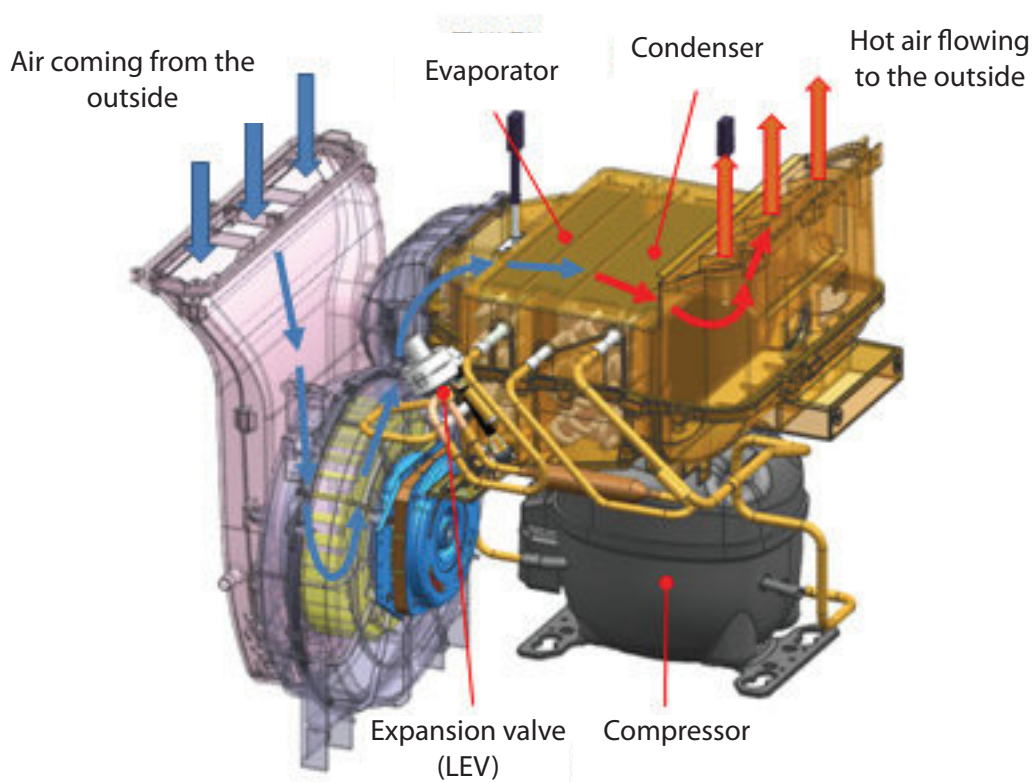
- Caution** ► Overload protection relay detects both temperature and current at the same time. In other words, the relay operates when the temperature of the compressor is high even if the current is not applied. It also operates when overcurrent is applied even if the temperature of the compressor is low. In other words, it operates when the temperature of the compressor reaches a certain level or overcurrent is supplied to the compressor. (However, overcurrent has stronger effect on the overload protection relay than the temperature.)
- If 3 - 5 minutes have passed after the operation of the relay and the heater temperature was lowered enough, the compressor returns to the normal condition. However, if the temperature is still high or overcurrent is present, the overload protection relay operates again. In other words, the overload protection relay may operate repeatedly when the compressor does not cool down. This may result in a customer claim. In this case, cool off the compressor sufficiently and supply the power again. In some cases, the relay returns to its original state immediately after it operates, repeating the process. In this case, you need to replace the relay.

7-3. LEV

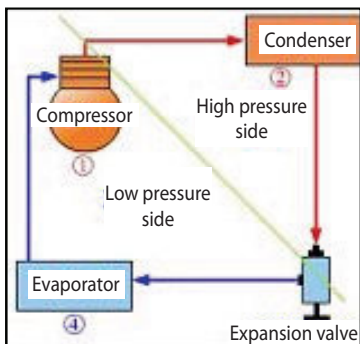
(1) Function

- It lowers the pressure of refrigerant, decreasing the temperature of the evaporator.
- It improves the efficiency of the compressor cycle.
- It adjusts the amount of refrigerant that flows into the evaporator.

(2) Operating Structure



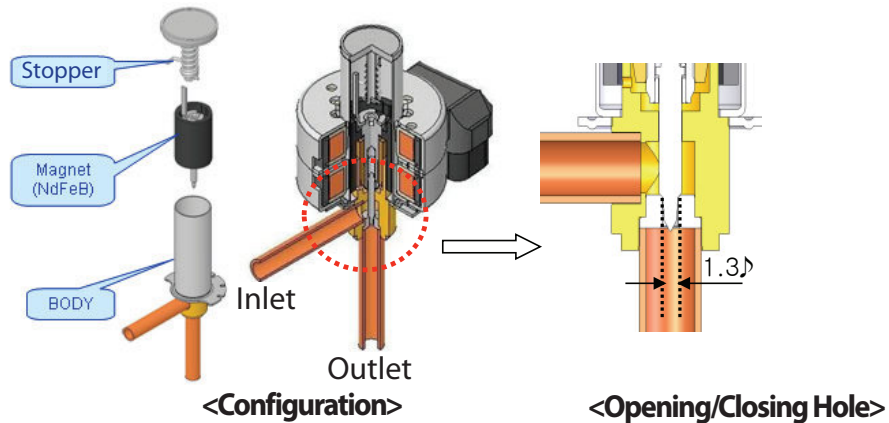
※ Refrigerant Circulation Map



Condensed, liquefied refrigerant changes into a low temperature and low pressure state by the LEV. As the low temperature and low pressure refrigerant passes through the evaporator, it absorbs the heat of the air coming from outside and turns into gas. Meanwhile, the temperature of outside air decreases as the evaporator performs heat exchange. For the reference, the temperature of the evaporator can be controlled by the LEV.

(3) Operating Principle

If you adjust the rotating angle of the stepping motor, the outlet of the pipe repeatedly opens and closes due to the valve that is connected to the lower part of the rotor.



(4) Operating Characteristics

LEV is initialized when the power is supplied (-220 click).

LEV operation: When it first starts, LEV increases to 150 clicks initially and is lowered to 70 clicks ($T_2 < 32\text{ }^\circ\text{C}$), 60 clicks ($32\text{ }^\circ\text{C} \leq T_2 < 39\text{ }^\circ\text{C}$), and 40 clicks ($T_2 > 39\text{ }^\circ\text{C}$) depending on the ambient temperature (T_2) and the condition is maintained for 3 minutes.

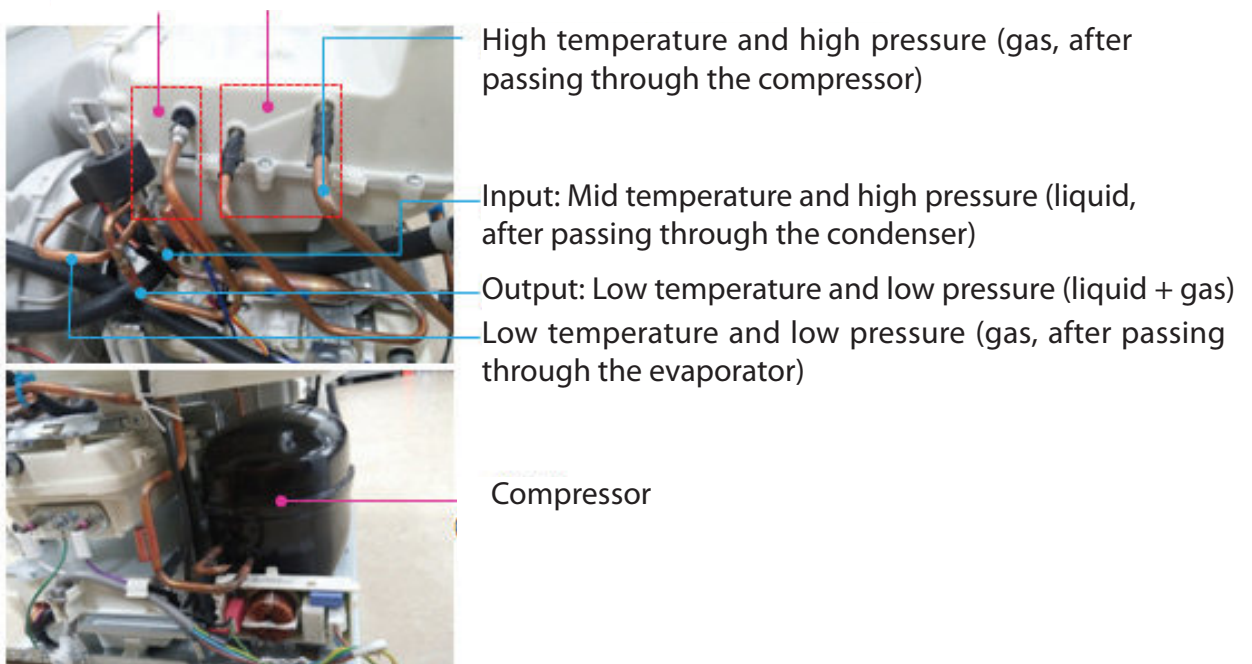
If the T_2 is lower than $17\text{ }^\circ\text{C}$ and the T_4 is lower than $61\text{ }^\circ\text{C}$, 2 clicks are increased. When the T_2 is higher than $19\text{ }^\circ\text{C}$, 2 clicks are reduced. In this way, the temperature of T_2 is maintained between $17 - 19\text{ }^\circ\text{C}$.

T_2 : Temperature of the pipe at the evaporator inlet

T_4 : Temperature of the air that has passed through the condenser

(5) Connection

Evaporator Condenser

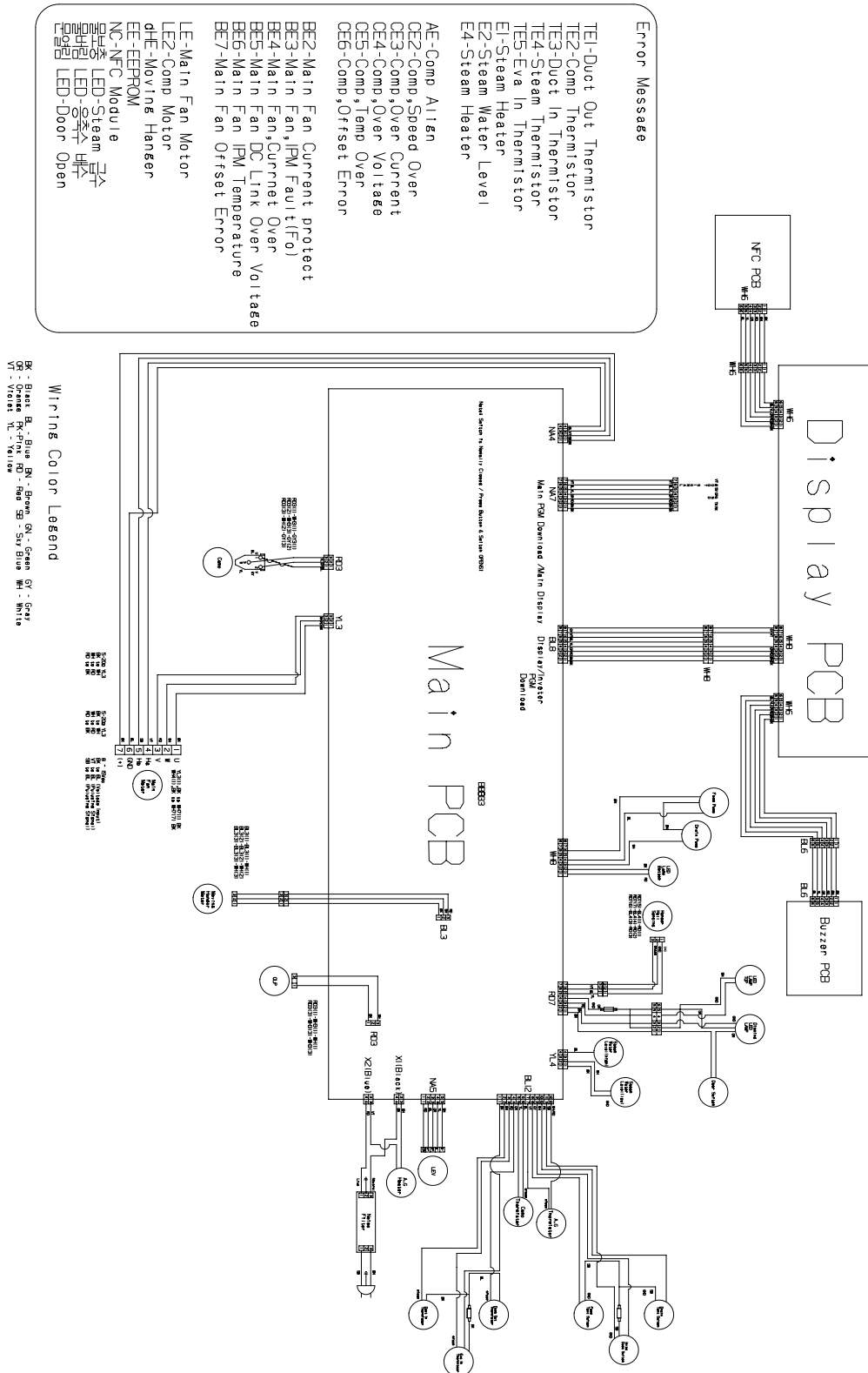


CAUTION

Incorrect wiring may lead to abnormal, risky operation.
Check if the product works properly after servicing it.

Applied model: S3RERB

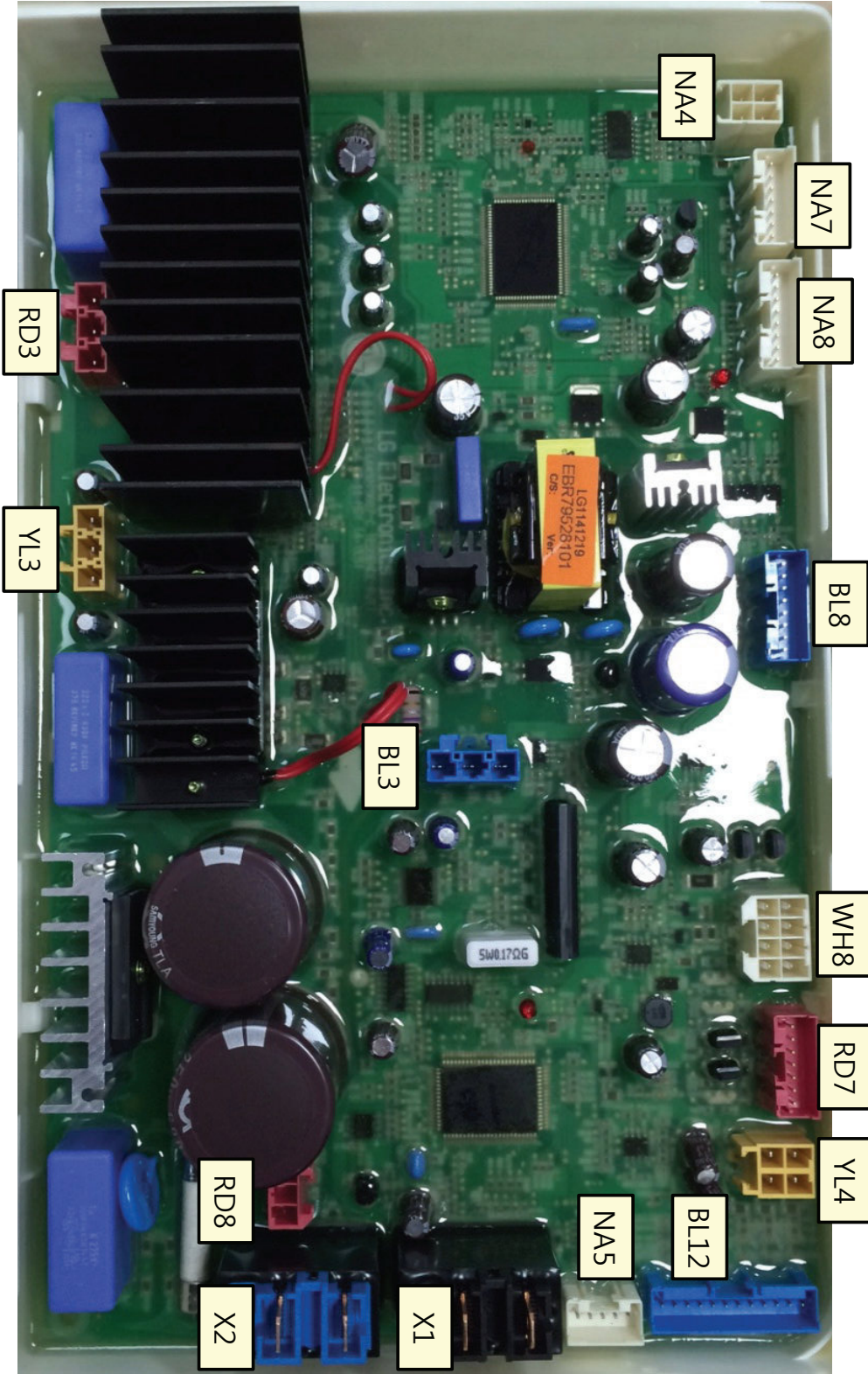
Harness diagram-1



CAUTION Incorrect wiring may lead to abnormal, risky operation.
Check if the product works properly after servicing it.

Applied model: S3RERB

(P/N : EBR79528101)



9

Things to Check before Servicing

	Symptoms	Checkpoints	Instructions
Error Message	[Feed Water] icon is flickering.	"Is there enough water in the water supply tank?" "Is the water supply tank in place?"	Fill the water supply tank with water and put it back into the product. Put the water supply tank back into the product.
	[Discard Water] icon is flickering.	"Isn't the water drain tank full of water?" "Is the water drain tank in place?"	Empty the water drain tank. Put the water drain tank back into the product.
	[Door Open] icon is flickering.	"Didn't you operate the product without closing the door completely?"	Close the door tight.
	[AE] is displayed.	"Do you hear the sound of wind?"	After pulling out the power plug, contact the service center or its retail store.
	[LE] is displayed.	"Do you hear the sound of wind?"	
	[LE2] is displayed.	"Do you hear the sound of wind?"	
	[E1] is displayed.	"Isn't the steam generated properly?"	
	[E4] is displayed.	"Isn't the steam generated properly?"	
	[TE1] is displayed.	"Doesn't Drying work properly?"	
	[TE2] is displayed.	"Doesn't Drying work properly?"	
	[TE3] is displayed.	SDSqDoesn't Drying work properly?SDSq	
[TE5] is displayed.	SDSqDoesn't Drying work properly?SDSq		
It is not a sign of malfunction.	Smoke comes out whenever the door is opened.	"Did you open the door during the operation?"	
	I fully filled the water supply tank and used it once, but there is no water in the tank.	"Did you operate the product for the first time?"	Because there is no water stored in the product when using the product for the first time, a large amount of water is needed. From the second use, the amount of water needed is reduced.
	When operating the product, I hear the sound of a "snore".	"Did you hear the sound at the beginning of the operation?"	That is a sound of moving hanger balancing the level before operation. It is not a sign of malfunction. If, however, the noise gets worse, contact the service center or its retail store.
	The product moves left and right when in operation.	"Did you put in wet clothes?"	Drying time may be lengthened for excessively wet clothes. Dry the clothes before you put them in the Styler. Drying time may be lengthened depending on the wet states and volume of clothes. When drying is finished, the Styler will automatically stop.
	During the operation, I hear the whirring sound.	"Did you hear the sound during the operation?"	That is a sound of the compressor running, just like that of refrigerator, for the Drying process. It is not a sign of malfunction. If, however, the noise gets worse, contact the service center or its retail store.
	During the operation, I hear the revolving sound.	"Did you hear the sound during the operation?"	That is a sound of the compressor running to do the Drying. It is not a sign of malfunction. It is not a sign of malfunction. If, however, the noise gets worse, contact the service center or its retail store.
	During the operation, I hear the sounds of boiling and steam release.	"Did you hear the sound during the operation?"	That is a sound of boiling water to make steam and spraying the steam onto the clothes. It is not a sign of malfunction. It is not a sign of malfunction. If, however, the noise gets worse, contact the service center or its retail store.
	During the operation, I hear the sound of running water.	"Did you hear the sound during the operation?"	That is a normal sound of filling water to make steam. It is not a sign of malfunction. If, however, the noise gets worse, contact the service center or its retail store.

Check before you call	"When steam or wind comes out near the door"	"Is there any sleeve of the clothes that are being styled nipped in the door?"	Operate the product again after putting back the clothes stuck in the door.
	The power is not turned on	"Did you press the Power button?"	Press the Power button.
		"Isn't the power plug pulled out?"	Plug in the power plug.
		"Isn't the earth leakage circuit breaker switched OFF?"	Switch the earth leakage circuit breaker ON.
		"Did you not connect to 110V socket?"	This product is for 220V only.
	Problem with the touch panel	"The power is on, but don't the buttons respond?"	Check whether the touch button is dirty or not. If it still doesn't work, contact the service center or its retail store.
	It is not operating	"Did you press the Operate/Pause button after closing the door?"	Press the Operate button.
"Isn't the product being supplied with water or boiling water?"		It is getting ready to produce steam. So please wait.	
"Did you set the Lock Button function?"		Disable the Lock Button function and press the Start button.	
Something's wrong	The clothes are wet	"Isn't the filter clogged up or the grill upside down?"	Please clean the filter. Put the grill in the right place (the part with holes on the right).
		"Isn't the rubber material attached to the door torn, or aren't there any clothes stuck in the door?"	There is a gap in the door and the drying performance has diminished as a result. After pulling out the power plug, contact the service center or its retail store.
	Odor is not removed	"Did you put the clothes that were kept long in the wardrobe or that are stained with smelly substances?"	Wash the clothes that were kept long in the wardrobe or that are stained with smelly substance before use.
	Wrinkles are not removed	"Did you put the clothes that were kept long in the wardrobe?"	Iron the clothes that were kept long before using the Styler to remove wrinkles more effectively.
	Clothes with unpleasant odor	"Haven't you used the Styler for a long time or isn't there any foreign substances in the water supply/drain tank?"	Clean the filters and water tanks.
	There is a loud noise	"Did you hear the noise throughout the operation?"	Hearing the sound at the beginning is normal. But if you continue to hear that sound during the operation, there is a problem with the product. After pulling out the power plug, contact the service center or its retail store.
	The product is waving from right to left	"Did you install the product on the even floor?"	Install the product where the floor is even.
	Other functions are not carried out	SDSq"Did you put any detergent in the tank like fabric softener, other than water?"	If you use any detergents except water, it may cause problem.

10

Diagnosis and Error Table

10-1. Diagnosis

Approaching Test Mode : Refresh Key + Sanitary Key + Power Key

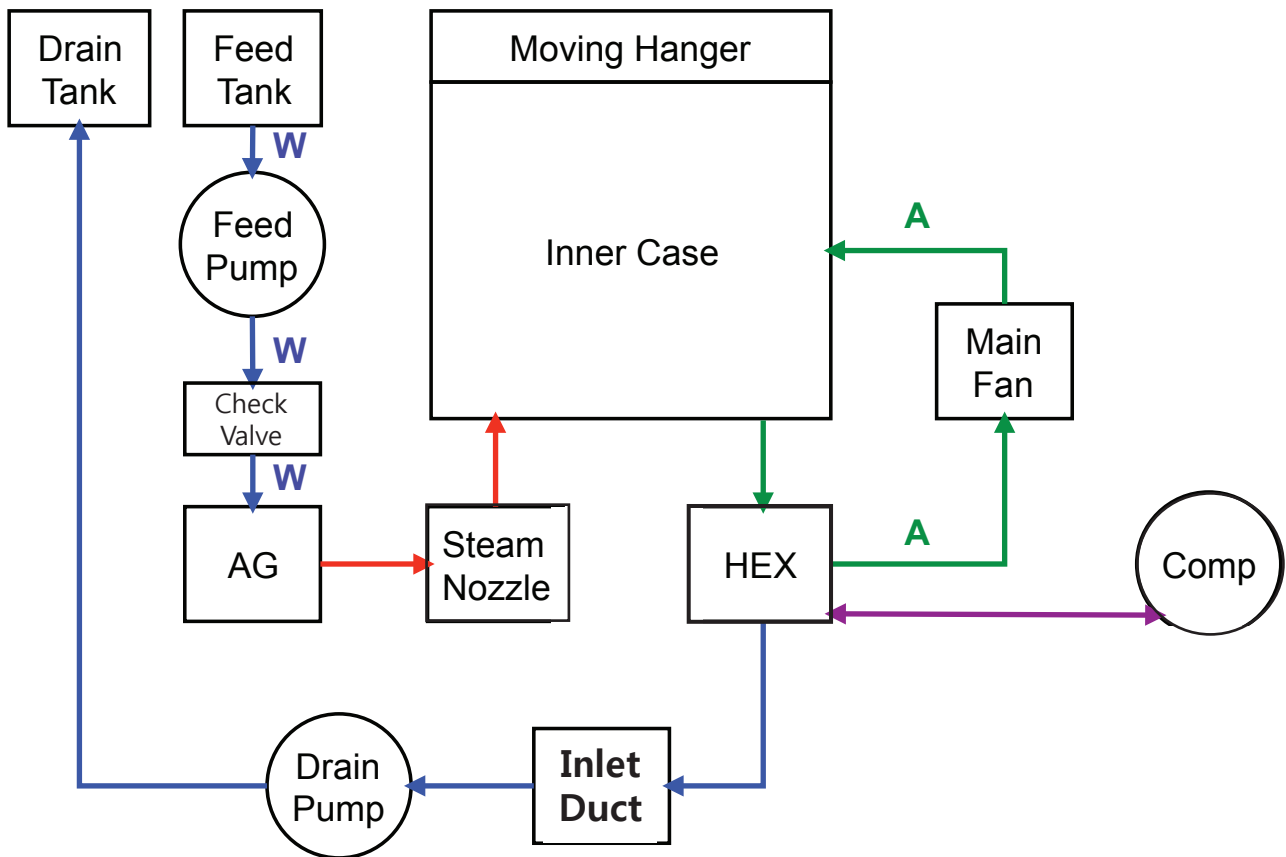
No	Operate/Pause	Things to Check	How to Check	Remarks
1		Enter the LQC test mode.	U:XX – Main Version(XX) D:XX – Display Version(XX) C:XX - Inverter Version(XX) Keep '1' on at the 18:88	NC error should not occur.
2	Operate key (1 time)	Whether the door switch functions	Steam Heater Temp	LED lamp should turn on normally. The "door open" state should be detected.
3	Operate key (2 times)	Comp operation (LEV: 65)	Comp Out Temp	To operate comp
4	Operate key (3 times)	LEV operation	Display: LEV (95)	To operate LEV
5	Operate key (4 times)	Main Fan Motor ON	Display: Main Fan RPM (14~15)	To operate main fan
6	Operate key (5 times)	Detect the water drain tank.	-	"Discard Water" error should not occur.
7	Operate key (6 times)	Moving Hanger Operation ON	Moving Hanger RPM	There should be no friction, interference, blocking, or noise. Insert the jig of the water supply tank and check if the sensor functions properly. "Feed Water" error should not occur.
8	Operate key (7 times)	Moving Hanger Operation OFF	-	The hanger should stop at the center.
9	Operate key (8 times)	Water supply pump (DC)	Displayed current value Failure to confirm: 10 or below	Check the displayed value (11 or more)
10	Operate key (9 times)	Water drain (residual water) pump (DC)	Displayed current value Failure to confirm: 10 or below	Check the displayed value (11 or more)
11	Operate key (10 times)	AG heater power consumption, steam heater ON, check the value of the high water level sensor.	Display: 0 - 10 if there is not enough water, 250 or more if there is more than enough water.	
12	Operate key (11 times)	Check the value of the low water level sensor.	Display: 0 - 10 if there is not enough water, 250 or more if there is more than enough water.	Check the displayed value (0 - 10)
13	Operate key (12 times)	Duct out temperature	Temperature value is displayed.	
14	Operate key (13 times)	Duct In temperature	Temperature value is displayed.	
15	Operate key (14 times)	Eva In temperature	Temperature value is displayed.	
16	Operate key (15 times)	OFF		

※ Main fan turns on when the Styling key is entered during the LQC mode.
Main fan turns off when the Fine Clothes key is entered during the LQC mode.

10-2. Error Table

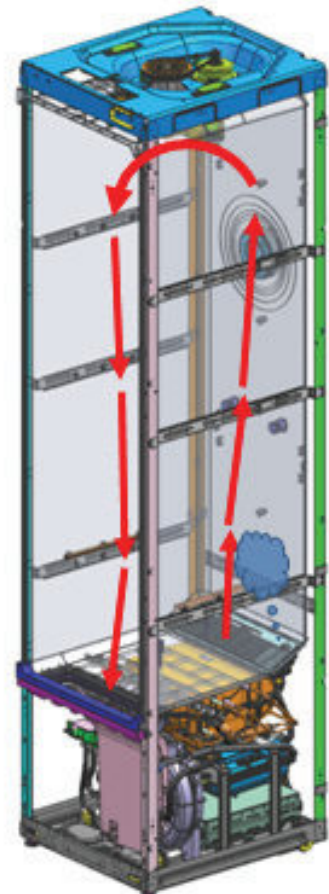
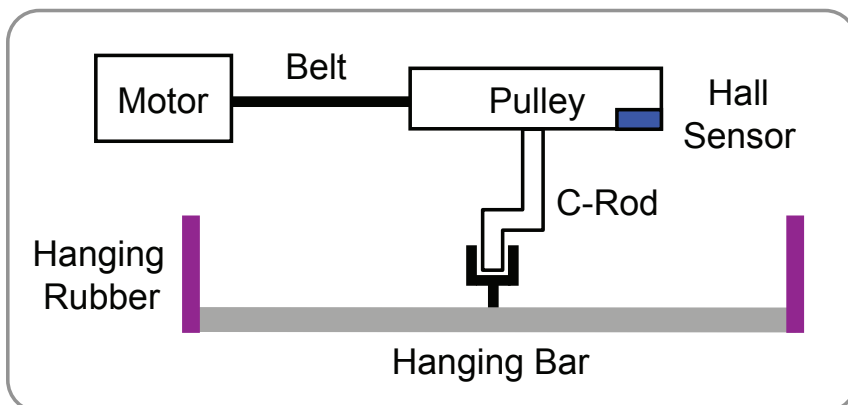
		Trigger	Triggered or not		
			General	LQC	Lifetime
TE1	Duct Out Thermistor	Duct Out Thermistor Open is detected	0	0	0
TE2	Comp Thermistor	General: At Comp On state, temperature difference is less than 20 °C for 10 minutes	0	0	0
TE3	Duct In Thermistor	Duct In Thermistor Open is detected	0	0	0
TE4	Steam Thermistor	Steam Thermistor Open is detected		0	
TE5	EVA In Thermistor	Eva In Thermistor Open is detected	0	0	0
E1	Steam Heater	Steam Thermistor is above 115 °C for 2 seconds	0		0
E2	Steam water level sensor	Water detected in high water level sensor, Water not detected in low water level sensor for 2 seconds			0
E4	Steam Heater	When the steam thermistor is below 70 °C and the steam heater is turned on, the difference between the initial temperature and the temperature after 2 minutes is less than 4 °C.	0		0
Inverter Error	AE	Comp. Align	While aligning the inverter comp., the current of d axis is below 3 A.		
	CE2	Comp. Speed Over	60 minutes after the Inverter comp. operation, the estimated speed is not within 10 - 125 Hz.		
	CE3	Comp. Over Current	Inverter comp. U, V, W currents are above 7 A for more than 3 times.		
	CE4	Comp. Over Voltage	The overvoltage of the DC link of inverter PCB is detected. Or when the speed command is above 10 Hz, VDC voltage is above 420 V for more than 3 times.		
	CE5	Comp. Over IPM Temp.	The temperature of the IPM heat sink of the inverter comp. reaches 85 °C.		
	CE6	Comp. Offset Error	Inverter comp. offset error, Initialization after micom reset. Deviation of 2.5 x 0.4 V or more is generated on the AD port that senses the current.		
	CE7	Comp. IPM Fo.	Fo signal is entered in the inverter comp, IPM. 20 or more Fo signals are generated within 60 seconds.		
	BE2	MainFan. Current Protection	The hardware current restriction is detected. Current is 3.5 A or lower.		
	BE3	MainFan. IPM Fault(Fo)	Fo signal of IPM is entered.		
	BE4	MainFan. Overcurrent Detection	Overcurrent is detected.		
	BE5	MainFan. DC Link Overvoltage	Overvoltage is detected on DC link.		
	BE6	MainFan. IPM Temperature Protection	The temperature of IPM thermistor is 75 °C or above.		
	BE7	MainFan. Offset Error	Issued for 136 ms before operating the motor Deviation of -2.5 * 0.4 [V] or more		
	LE	Main Fan Motor Restriction	Main fan is restricted.		
LE2	Comp. Restriction	Comp. is restricted.			
dHE	Moving Hanger Restriction	Low or high value of the hole sensor is detected for more than 200 seconds three times or more.			
Feed Water LED	Supply steam	In the course including PreSteam cycle, water is not detected or there is no water tank.			
Discard Water LED	Drain condensed water	Water is full or there is no water tank.			
Door Open LED	Door Open	Door Open			
EE	EEPROM	EEPROM communication has failed.			
NC	There is no NFC module	The NFC module is not attached in LQC.			

11-1. Product operating FLOW CHART



- Water
- Steam
- Air
- Refrigerant

Moving Hanger Assembly



11-2. Cycle Characteristics - Styling

	Pre Steam	Pre Heat	Steam	Stay	Cooling	Drying
Normal Light Heavy	2(M1050 ~ 1800) 2(M1050 ~ 1800) 2(M1050 ~ 1800)	—	9 (M 1050) 4 (M 1050) 13 (M 1050)	2 (P180/M1050) — 5 (P200/M1050)	1 (P180/M1800) 1 (P180/M1800) 3 (P200/M1800)	22 (P180/M1200~ 1800) 14 (P180/M1200~ 1800) 42 (P200/M1200~ 1800)
Moving hanger operation	—	—	—	Operation: 30 seconds after the cycle started		
Component used	Water supply/drain pump Steam heater Main fan Motor	Comp LEV Steam heater Water drain pump Main fan motor	STEAM HEATER MAIN FAN MOTOR	MAIN FAN MOTOR M/H MOTOR	MAIN FAN MOTOR M/H MOTOR	Water supply/drain pump Comp LEV Main fan motor M/H motor
Operation	Heat to 95 °C after supplying water to full level.	Increase internal temperature to maximize the steam effect.	Operate the steam heater for the set duration to inject steam.	—Styling course conducts M/H operation to maximize the efficiency of wrinkle removal. —Sterilization course turns off all devices and stands by to maximize the sterilization effect.	Operate the main fan and M/VH for the set duration.	Operate the main fan and comp for the set duration.
Other	Water supply error occurs when the full water level is not detected within the maximum duration (5 minutes).	When Duct In is maintained for 10 seconds at a temperature above 40 °C, the next cycle starts after 10 minutes.	When low water level is detected during heating, the next cycle starts. —LEV is at 200 when the cycle starts.	It turns off all devices and stands by when the cycle starts.	Main fan and moving hanger operate for the set duration.	Comp operates when the cycle starts.

※ P : Pulley RPM, M : Motor RPM

※ Data View Pulley RPM = Pulley RPM × 3/5

11-2. Cycle Characteristics - Drying

	Pre Steam	Pre Heat	Steam	Stay	Cooling	Drying
Normal	-	-	-	-	-	120 (P120/ M1200~1800)
Delicates	-	-	-	-	-	150 (P120/ M1600)
Time Dry	-	-	-	-	-	30~150 (P120/ M1200~1800)
Moving hanger operation	-	-	-	Operation: 30 seconds after the cycle started		
Component used	Water supply/ drain pump Steam heater Main fan Motor	Comp LEV Steam heater Water drain pump Main fan motor	STEAM HEATER MAIN FAN MOTOR	MAIN FAN MOTOR M/H MOTOR	MAIN FAN MOTOR M/H MOTOR	Water supply/drain pump Comp LEV Main fan motor M/H motor
Operation	Heat to 95 °C after supplying water to full level.	Increase internal temperature to maximize the steam effect.	Operate the steam heater for the set duration to inject steam.	-Styling course conducts M/H operation to maximize the efficiency of wrinkle removal. -Sterilization course turns off all devices and stands by to maximize the sterilization effect.	Operate the main fan and M/VIH	Operate the main fan and comp for the set duration.
Other	Water supply error occurs when the full water level is not detected within the maximum duration (5 minutes).	When Duct In is maintained for 10 seconds at a temperature above 40 °C, the next cycle starts after 10 minutes.	-When low water level is detected during heating, the next cycle starts. -LEV is at 200 when the cycle starts.			- Comp operates 1 minute after the cycle starts.

※ P : Pulley RPM, M : Motor RPM
 ※ Data View Pulley RPM = Pulley RPM × 3/5

11-2. Cycle Characteristics - Sanitary

	Pre Steam	Pre Heat	Steam	Stay	Steam	Stay	Steam	Stay	Cooling	Drying
Normal	2(M1800)	23(M1400~1800)	6	3	6	3	6	3	3(P120/M1800)	25(P120/M1200~1800)
Heavy	2(M1800)	25(M1400~1800)	7	3	7	3	7	3	3(P120/M1800)	25(P120/M1200~1800)
Moving hanger operation	-	-	-	-	-	-	-	-	Operation : When the cycle starts (Sterilization - Standard)	Stop : When the course finishes
Component used	Water supply/ drain pump Steam heater Main fan Motor	Comp LEV Steam heater Water drain pump Main fan motor	STEAM HEATER MAIN FAN MOTOR	MAIN FAN MOTOR M/H MOTOR	STEAM HEATER MAIN FAN MOTOR	MAIN FAN MOTOR M/H MOTOR	STEAM HEATER MAIN FAN MOTOR	MAIN FAN MOTOR M/H MOTOR	MAIN FAN MOTOR M/H MOTOR	Water supply/ drain pump Comp LEV Main fan motor M/H motor
Operation	Heat to 95 °C after supplying water to full level.	Increase internal temperature to maximize the steam effect.	Operate the steam heater for the set duration to inject steam.	-Styling course conducts M/H operation to maximize the efficiency of wrinkle removal. -Sterilization course turns off all devices and stands by to maximize the sterilization effect.	Operate the steam heater for the set duration to inject steam.	-Styling course conducts M/H operation to maximize the efficiency of wrinkle removal. -Sterilization course turns off all devices and stands by to maximize the sterilization effect.	Operate the steam heater for the set duration to inject steam.	-Styling course conducts M/H operation to maximize the efficiency of wrinkle removal. -Sterilization course turns off all devices and stands by to maximize the sterilization effect.	Operate the main fan and M/V/H	Operate the main fan and comp for the set duration.
Other	Water supply error occurs when the full water level is not detected within the maximum duration (5 minutes).	When Duct In its maintained for 10 seconds at a temperature above 40 °C, the next cycle starts after 10 minutes.	-When low water level is detected during heating, the next cycle starts. -LEV is at 200 when the cycle starts.	-It turns off all devices and stands by when the cycle starts.	-When low water level is detected during heating, the next cycle starts. -LEV is at 200 when the cycle starts.	-It turns off all devices and stands by when the cycle starts.	-When low water level is detected during heating, the next cycle starts. -LEV is at 200 when the cycle starts.	-It turns off all devices and stands by when the cycle starts.	Operate the main fan and M/V/H for the set duration.	Operate the main fan and comp for the set duration.

* P : Pulley RPM, M : Motor RPM
* Data View Pulley RPM = Pulley RPM X 3/5

11-2. Cycle Characteristics - Download

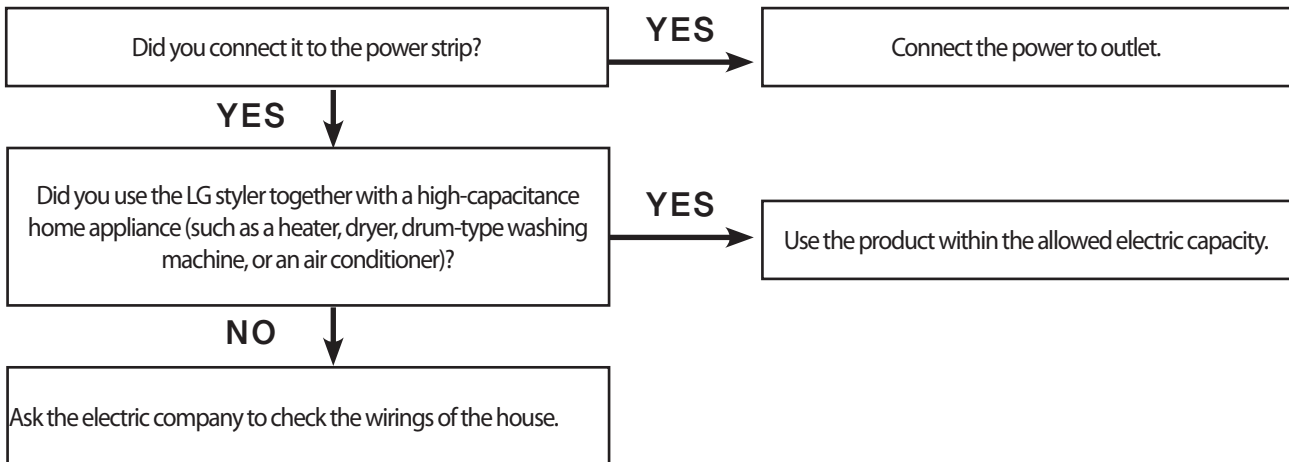
	Pre Steam	Pre Heat	Steam	Stay	Cooling	Drying	Steam	Stay	Cooling	Drying
Fur/Leather Pants Shawls/Neckties Hush Mode Winter Warm up Static Removal Blanket Warmer Dress Shirts Rainy Days Outdoor/ performance clothing	- 2(M1800) 2(M1800) 2(M1800) 2 2 2 2	- - - -	- 9 5 5 3 - 9 4 6	- - - 2 - - 2 -	- 3(M1800) 1(M1800) 2(M1400~1800) 1(M1800) - 1(M1800) 1(M1800) 1(M1800)	30(P120/M1600) 20(M1200~1800) 16(P120/M1200~1800) 40(M1400~1800) 10(P120/M1200~1800) 5(P120/M1200~1800) 30(P120/M1200~1800) 100(P120/M1200~1800) 45(P120/M1200~1800) 6(M1200~1800)	- 5 - 9 - - - - 3	- - - 3 - - - - -	- 3(P180/M1800) - 2(M1400~1800) - - - - - 1(P120/M1800)	- 25(P180/M1200~1800) - 58(M1400~1800) - - - - - 34(P120/M1200~1800)
Moving hanger operation	-	-	-	Operation: 30 seconds after the cycle started	Operation: 30 seconds after the cycle started	Operation: 30 seconds after the cycle started	-	Operation: 30 seconds after the cycle started	Operation: 30 seconds after the cycle started	Operation: 30 seconds after the cycle started
Component used	Water supply/ drain pump Steam heater Main fan Motor	Comp LEV Steam heater Water drain pump Main fan motor	Steam heater Main fan motor	-	Main fan motor M/H motor	Water supply/drain pump Comp LEV Main fan motor M/H motor	Steam heater	-	Main fan motor M/H motor	Water supply/drain pump Comp LEV Main fan motor M/H motor
Operation	Heat to 95 °C after supplying water to full level.	Increase internal temperature to maximize the steam effect.	Operate the steam heater for the set duration to inject steam.	-Styling course conducts M/H operation to maximize the efficiency of wrinkle removal. -Sterilization course turns off all devices and stands by to maximize the sterilization effect.	Operate the steam heater for the set duration to inject steam.	-Styling course conducts M/H operation to maximize the efficiency of wrinkle removal. -Sterilization course turns off all devices and stands by to maximize the sterilization effect.	Operate the steam heater for the set duration to inject steam.	-Styling course conducts M/H operation to maximize the efficiency of wrinkle removal. -Sterilization course turns off all devices and stands by to maximize the sterilization effect.	Operate the main fan and M/VIH	Operate the main fan and comp for the set duration.
Other	Water supply error occurs when the full water level is not detected within the maximum duration (5 minutes).	When Duct in is maintained for 10 seconds at a temperature above 40 °C, the next cycle starts after 10 minutes.	-When low water level is detected during heating, the next cycle starts. -LEV is at 200 when the cycle starts.	-It turns off all devices and stands by when the cycle starts.	-When low water level is detected during heating, the next cycle starts. -LEV is at 200 when the cycle starts.	-Styling course conducts M/H operation to maximize the efficiency of wrinkle removal. -Sterilization course turns off all devices and stands by to maximize the sterilization effect.	-When low water level is detected during heating, the next cycle starts. -LEV is at 200 when the cycle starts.	-It turns off all devices and stands by when the cycle starts.	Operate the main fan and M/VIH for the set duration.	Operate the main fan and comp for the set duration.

* P : Pulley RPM, M : Motor RPM
* Data View Pulley RPM = Pulley RPM x 3/5

12

Service Flow for Symptoms

12-1 When the circuit breaker goes down



The circuit breaker goes down when I operate the styler.

Are you using the power strip?

If you use the LG styler together with a high-capacitance home appliance on the power strip, the circuit breaker may go down due to excessive load. Do not use the styler with other electronic devices.

- ※ **Caution:** Check if the power strip has the ground terminal. Power strip without the ground terminal may cause electric shock or explosion.



2. Did you use multiple electronic devices at the same time?

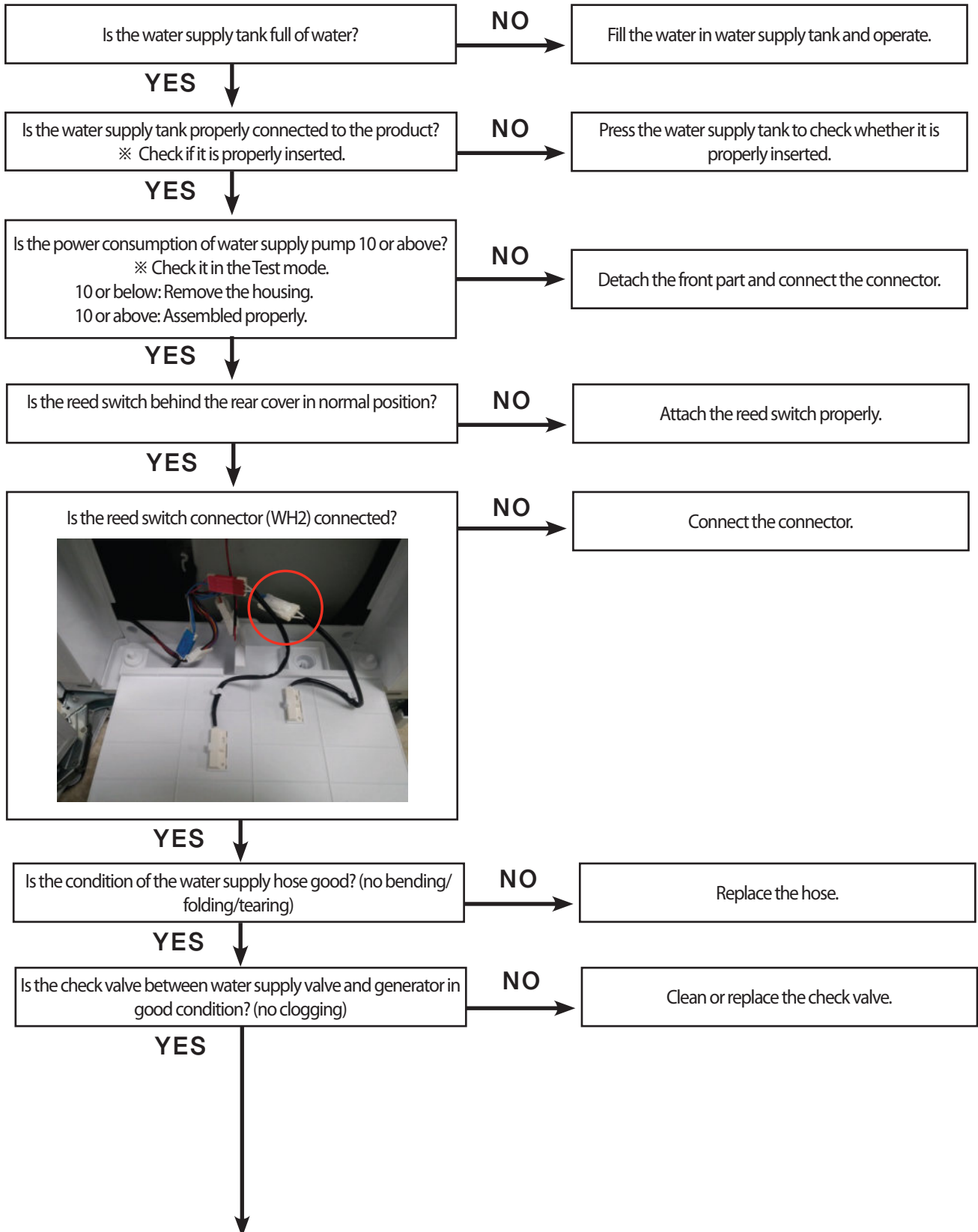
If you use the LG Styler together with a high-capacitance home appliance (such as a heater, dryer, drum-type washing machine, or an air conditioner), the total amount of electricity in use can exceed the amount of electricity allowed for your house, which in turn causes the breaker to go down. Check the voltameter to see the rated capacity. If it is 30 A, maximum capacity is 6000 W. If it is 40 A, maximum capacity is 8000 W.

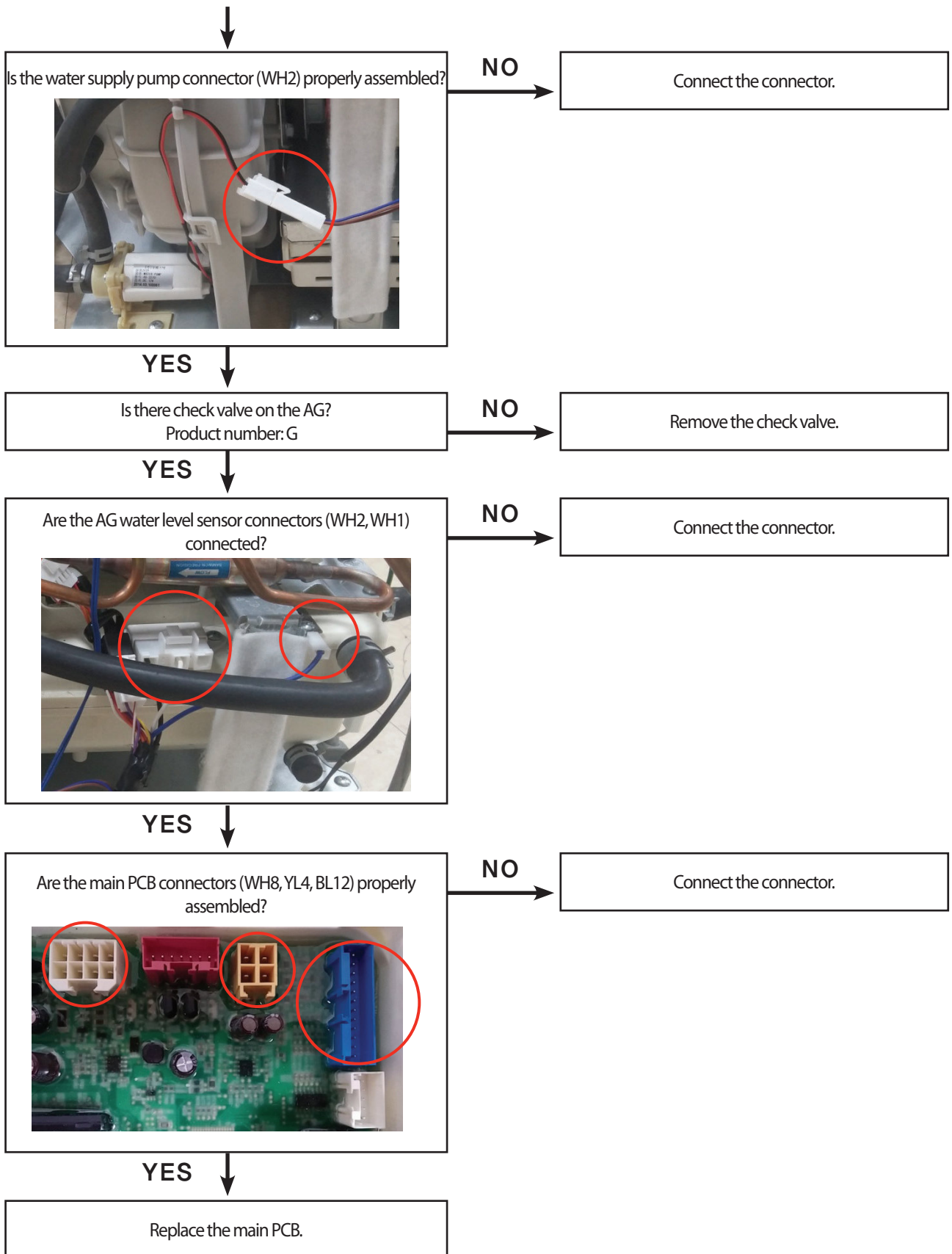
- ※ Electric capacity of LG styler is 1700 W.

3. Did you connect all devices to different outlets?

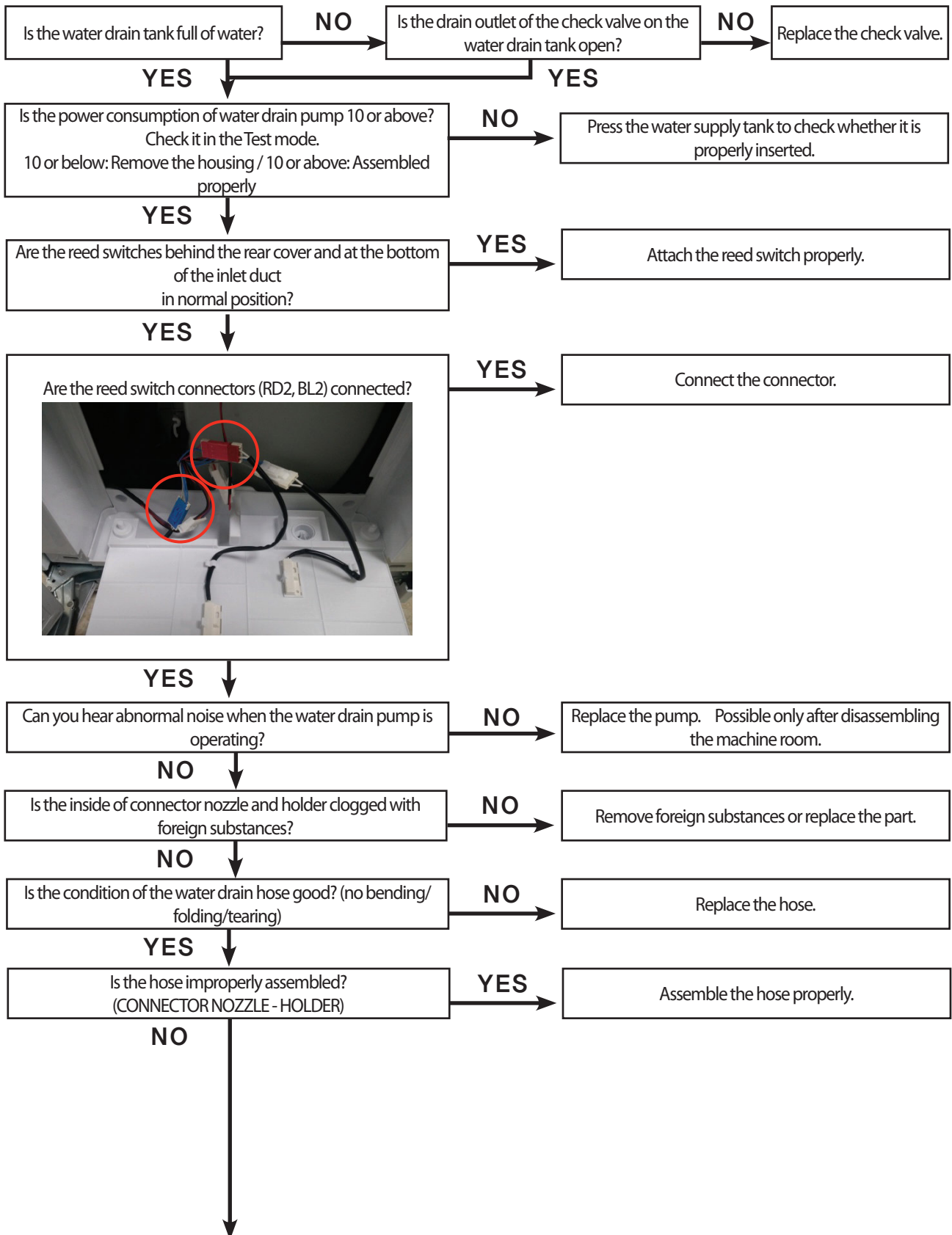
In many cases, outlets installed on the wall may be connected to the same circuit. In that case, even if you are using different outlets, the circuit breaker may go down if excessive number of electric devices are used. In this case, call the electric company and have your wirings inspected.

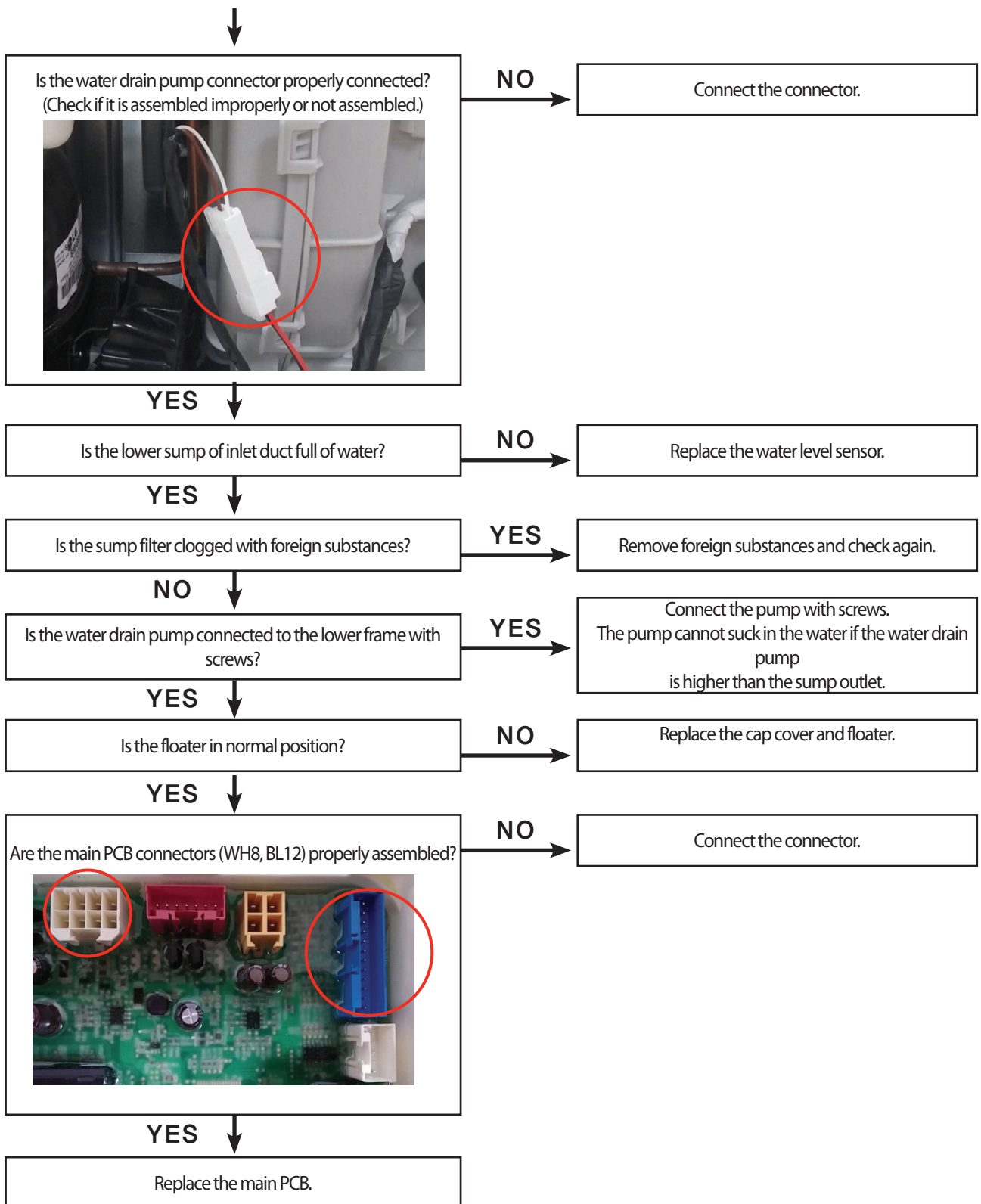
12-2. When Feed Water LED is blinking





12-3. When Discard Water LED is blinking





12-3. When Discard Water LED is blinking

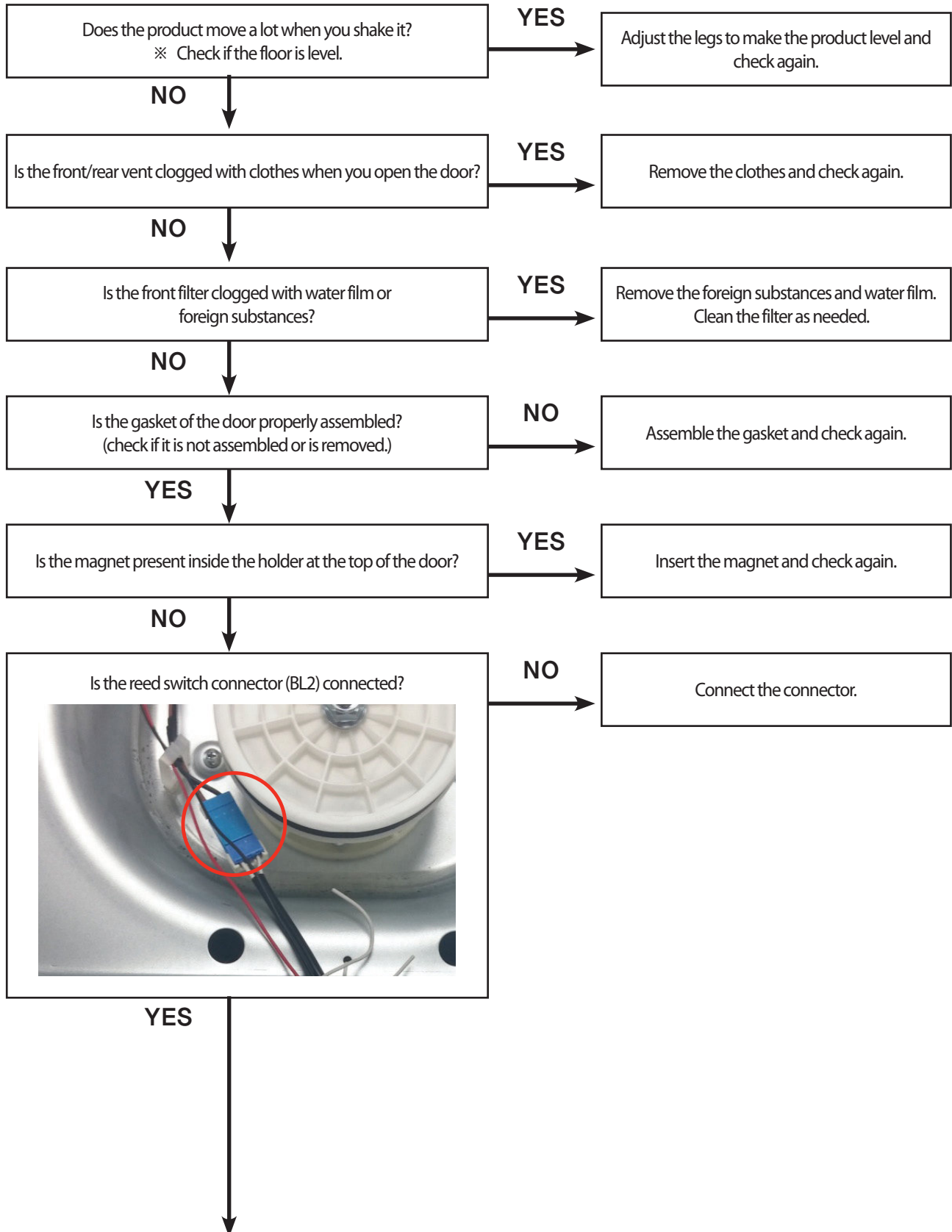


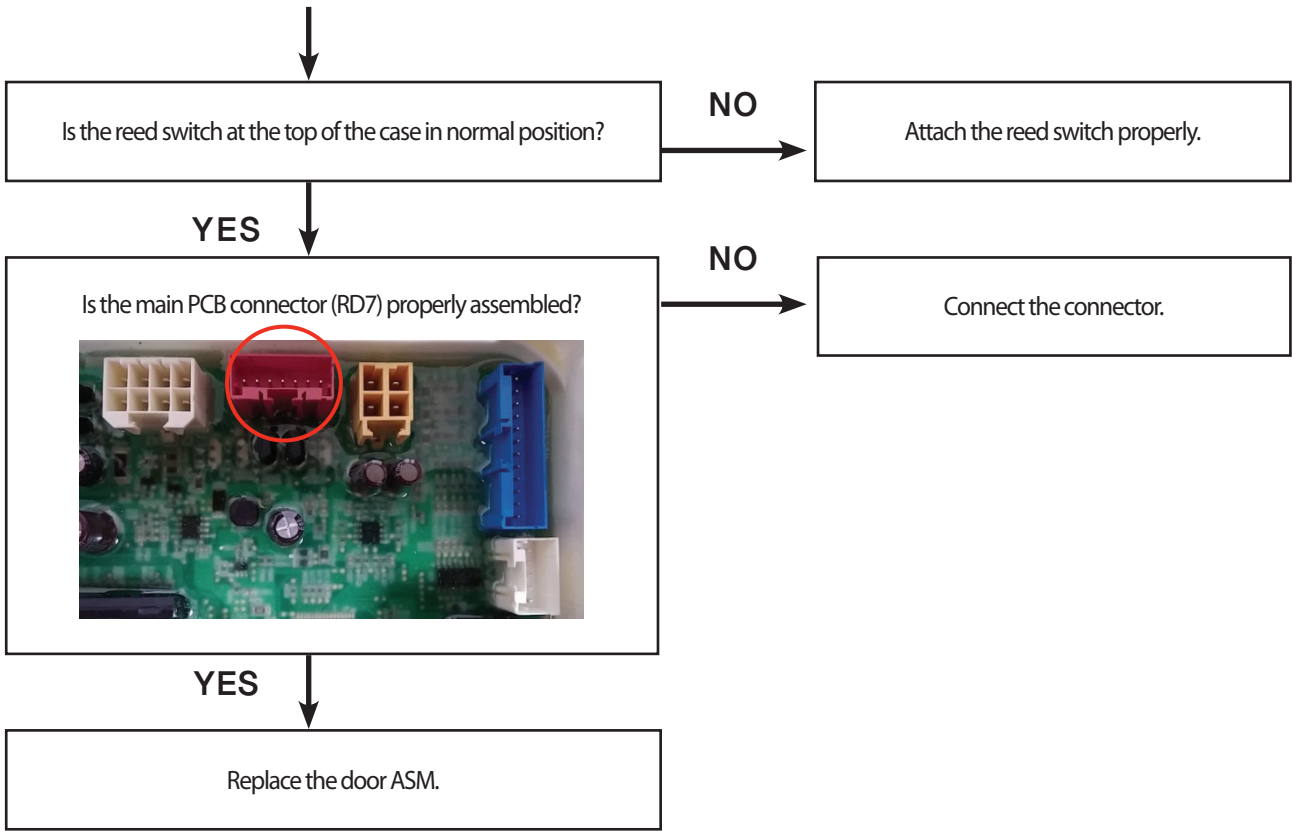
Symptom: Dust is deposited on the sump filter and water is not drained properly.

→ Floater deviates from the detection range of reed switch and the Discard Water error occurs.

Solution: Clean the filter. Replace the filter if it is damaged.

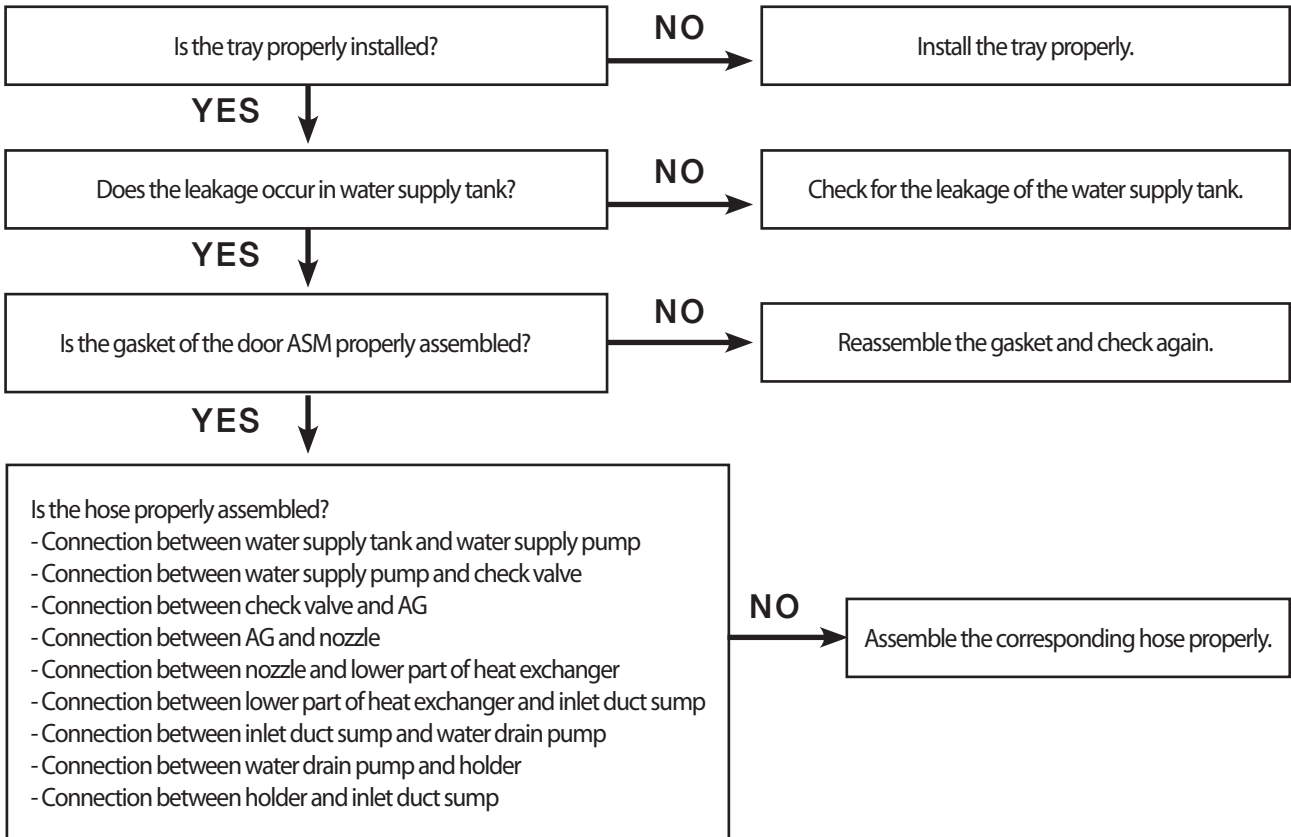
12-4. When Door Open LED is blinking





12-5. Water leak

1) Leakage in the Product

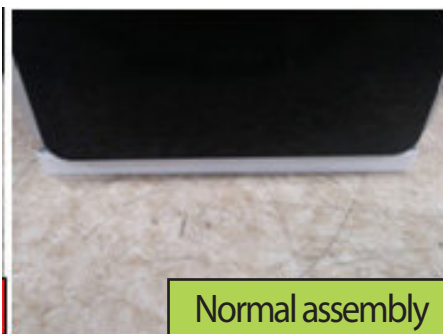


• Water leaks on the floor.

► Check if the styler tray is properly installed.

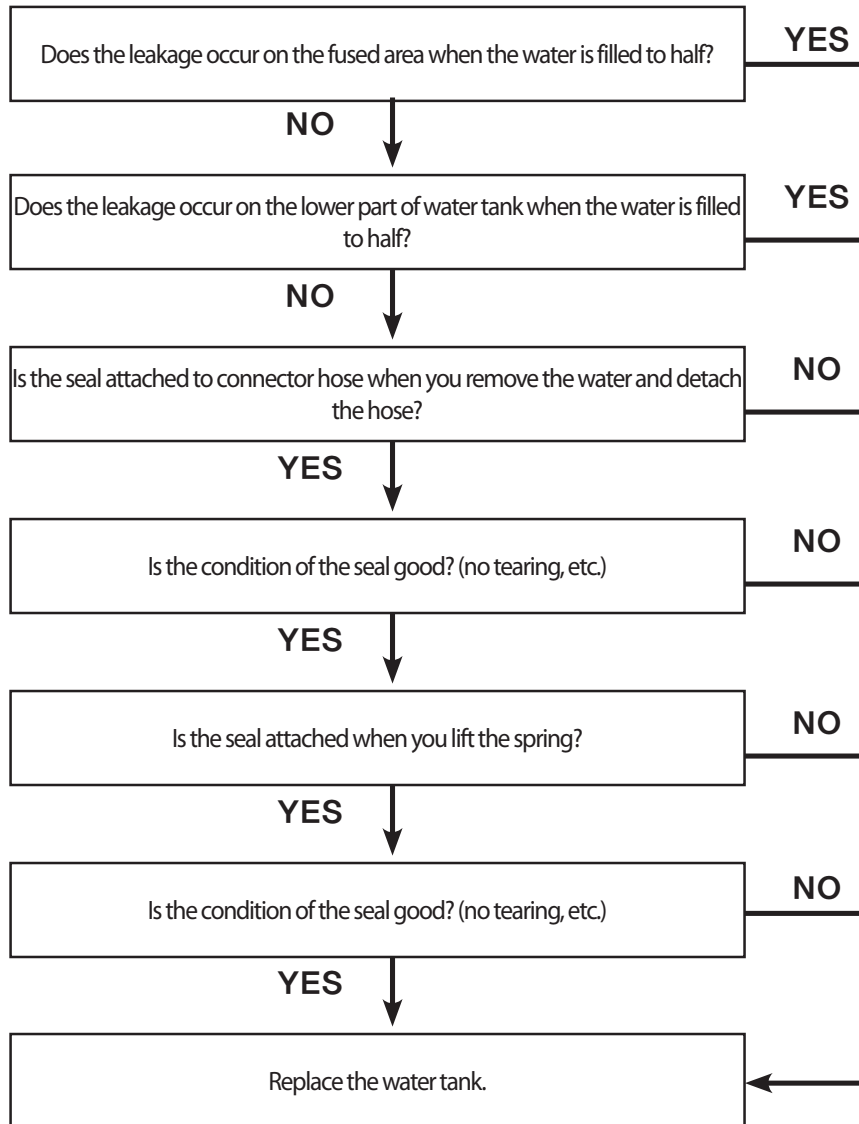
- Water tray is designed to prevent your feet from being caught under the product. It also prevents the condensed water from falling onto the floor during the steam injection. If the water tray is not properly installed, condensed water may fall on the floor. (The tray can be easily attached/detached for cleaning.)

※ When you install the tray, be sure to push the tray until it fits in completely.

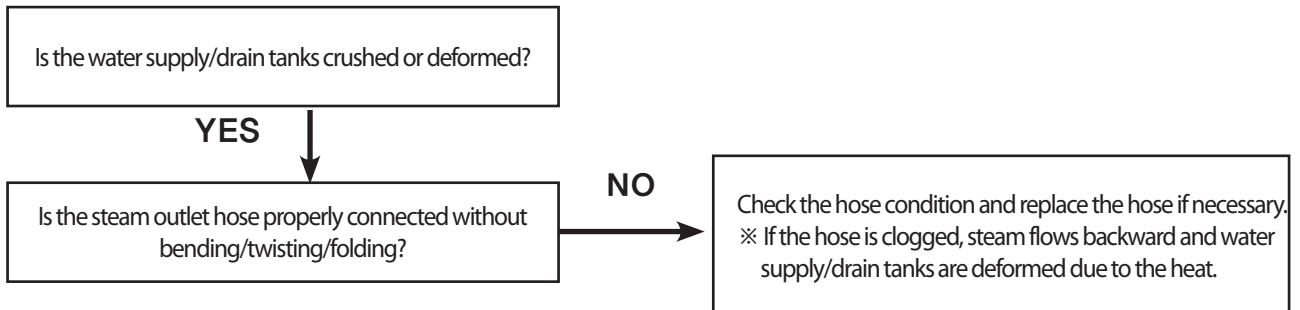


12-6. Water leak

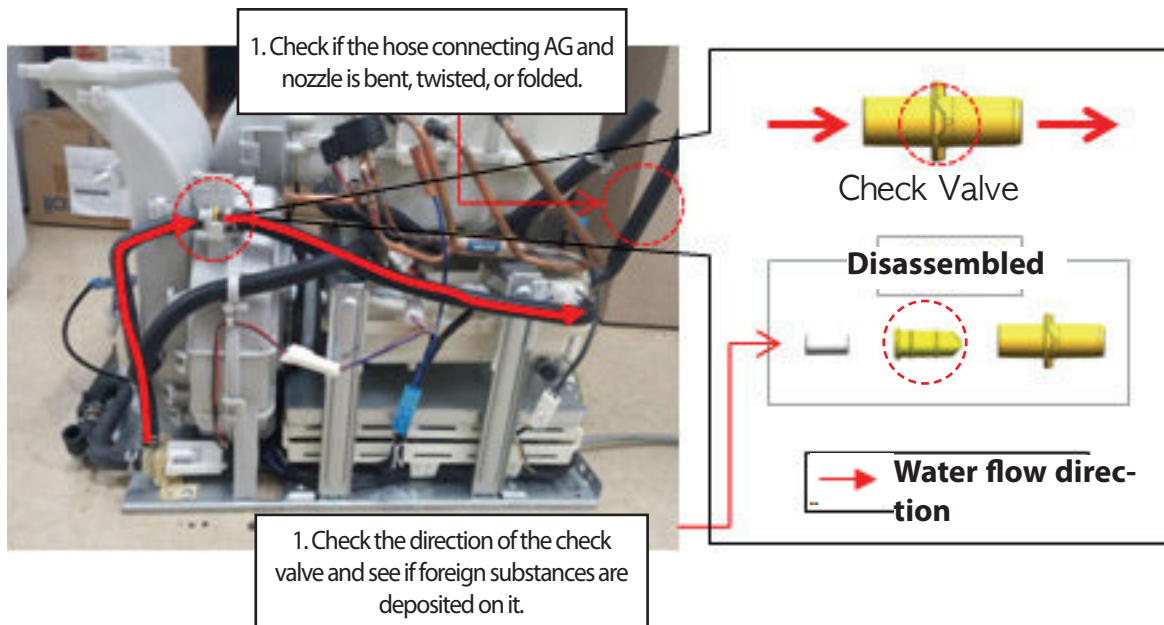
1) Leakage in Water Supply Tank



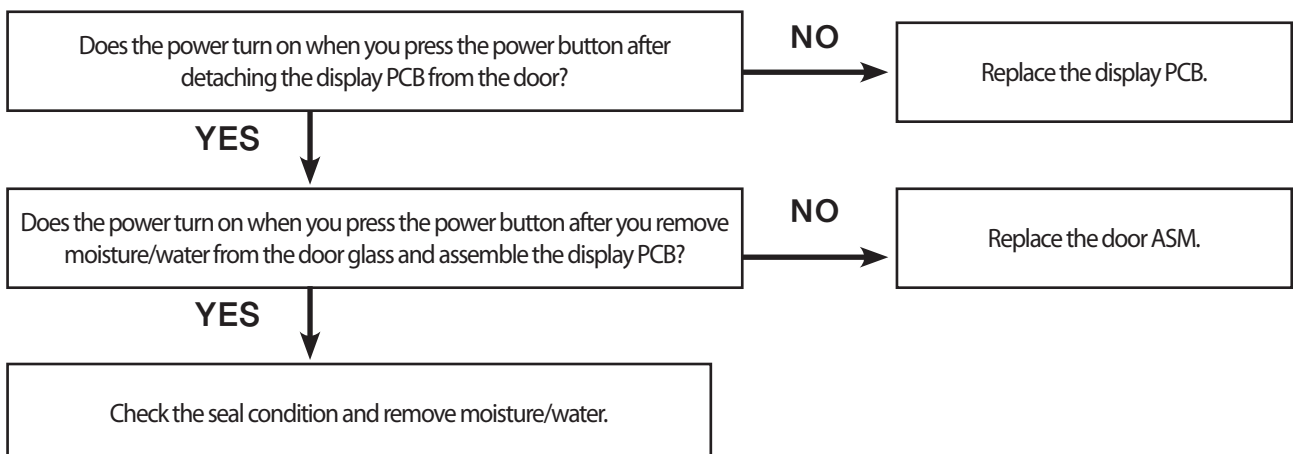
12-7. Deformation of Water Supply/Drain Tanks



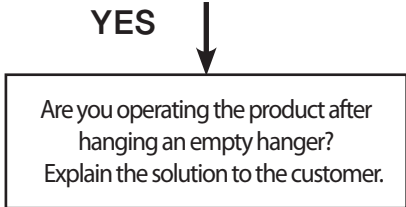
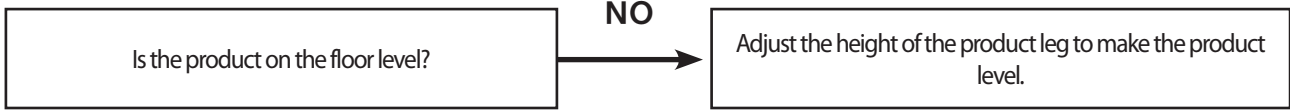
- Disassembled Machine Room -

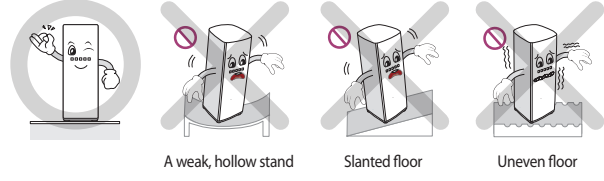
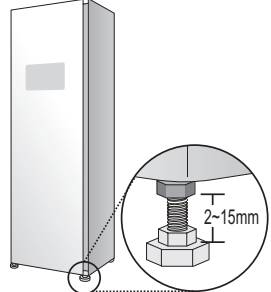


12-8. Display Turns on, but the Course Button Is Faulty.

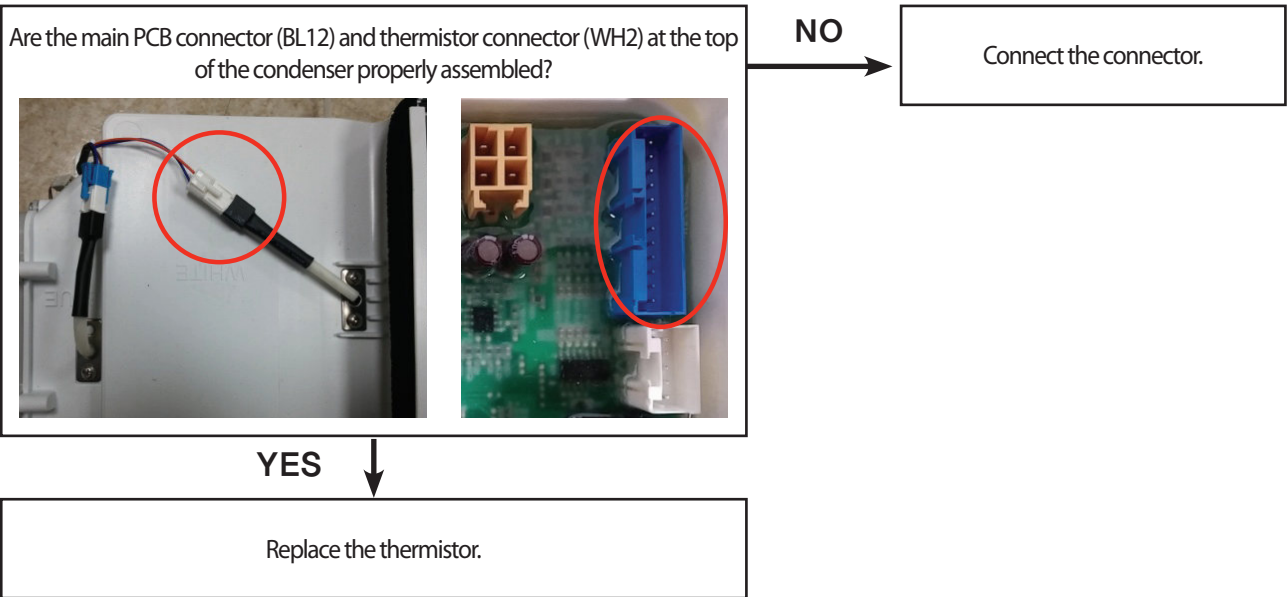


12-9. Vibration

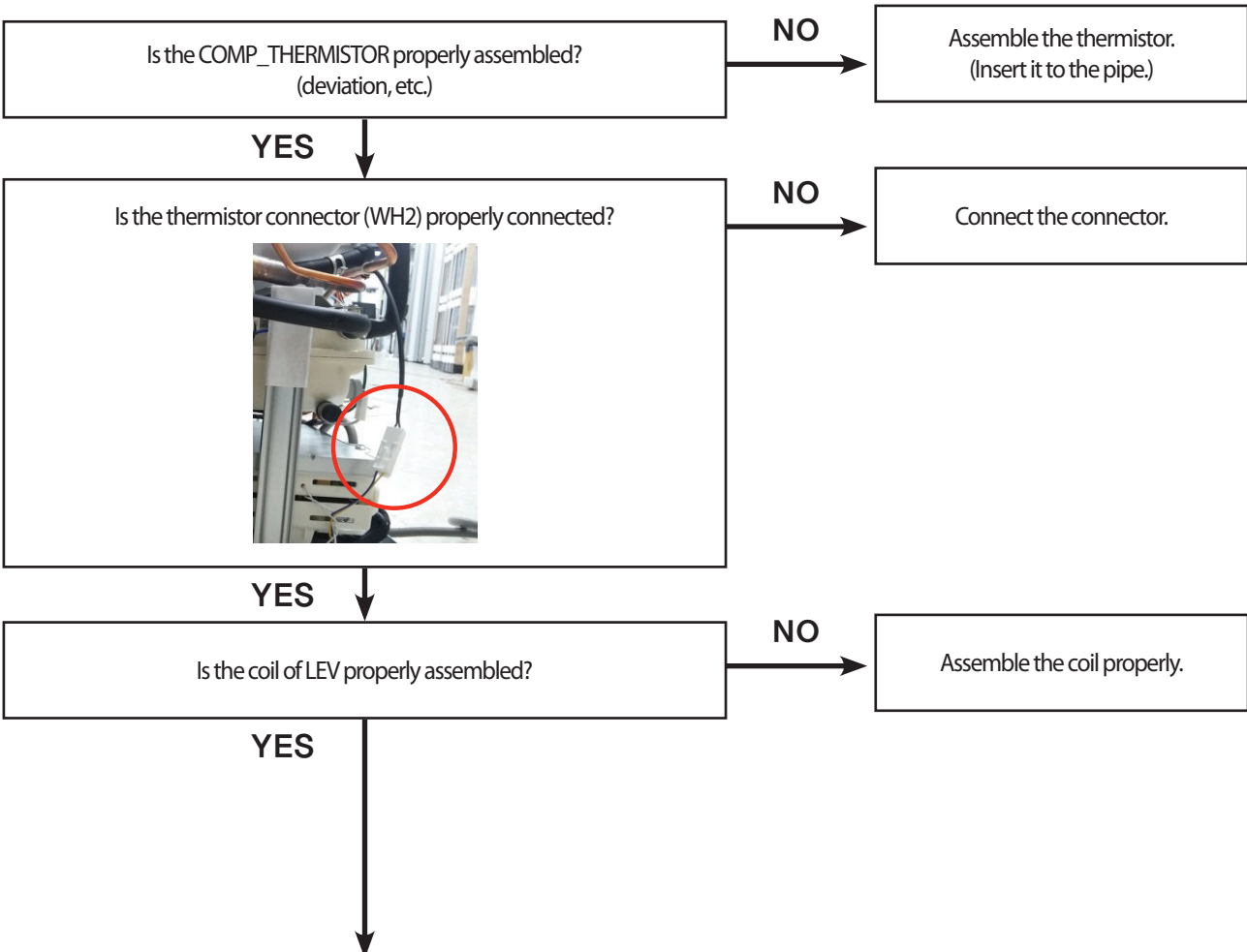


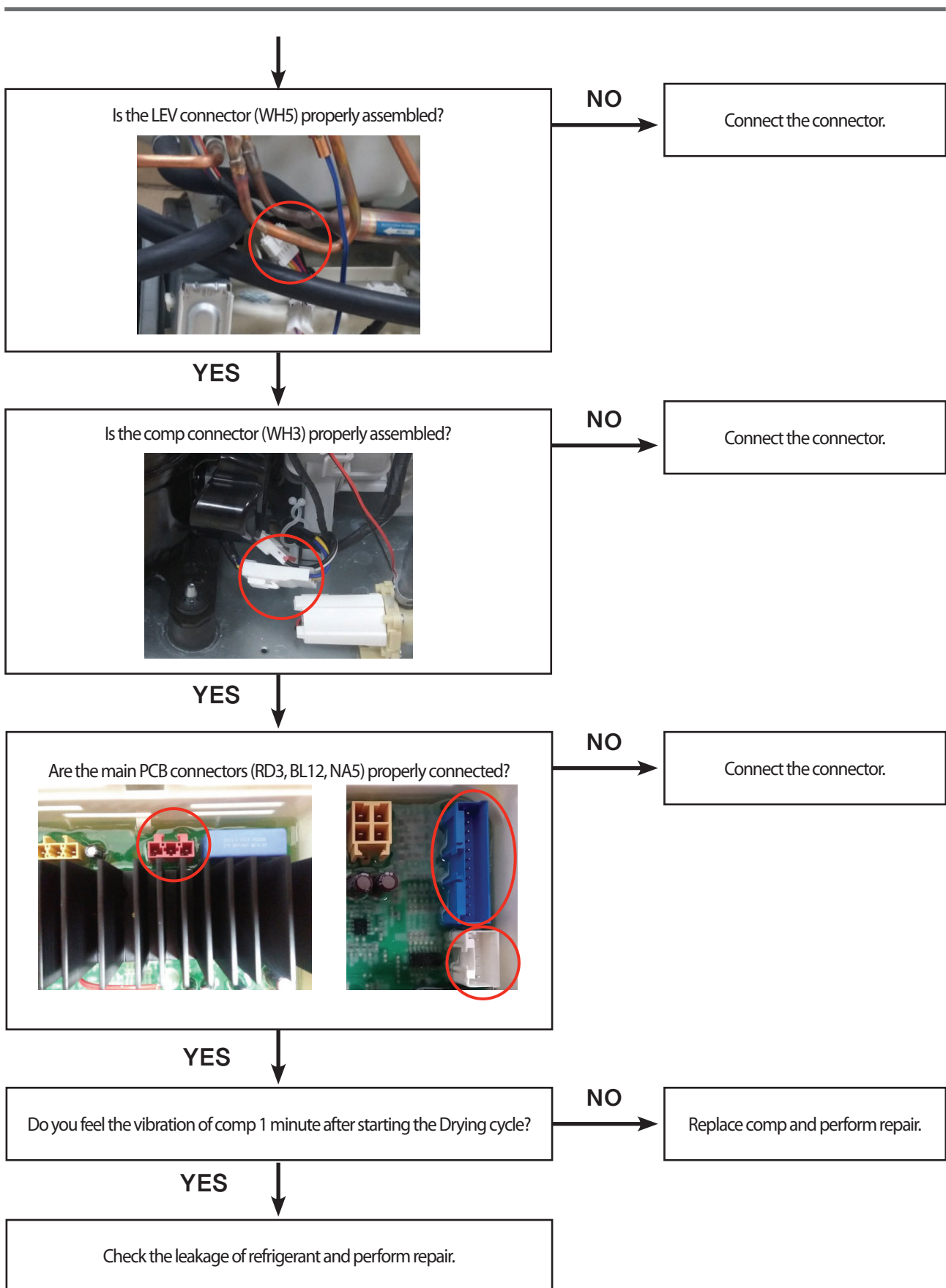
<p>Install the product on the firm, flat surface.</p>	<ul style="list-style-type: none"> Be sure to install the product on the firm, flat surface.  <p>A weak, hollow stand Slanted floor Uneven floor</p>
<p>Leveling</p>	<ul style="list-style-type: none"> Use the spanner that is provided with the product to adjust the height of the legs. (Rotate the spanner clockwise to raise the height of the product and rotate it counter-clockwise to lower the height.) After adjusting the legs, rotate the tightening nut fully to the right. If the product moves when you press its front/left/right corner or shake it or when it is spin drying, readjust the leveling legs. 

12-10. TE1

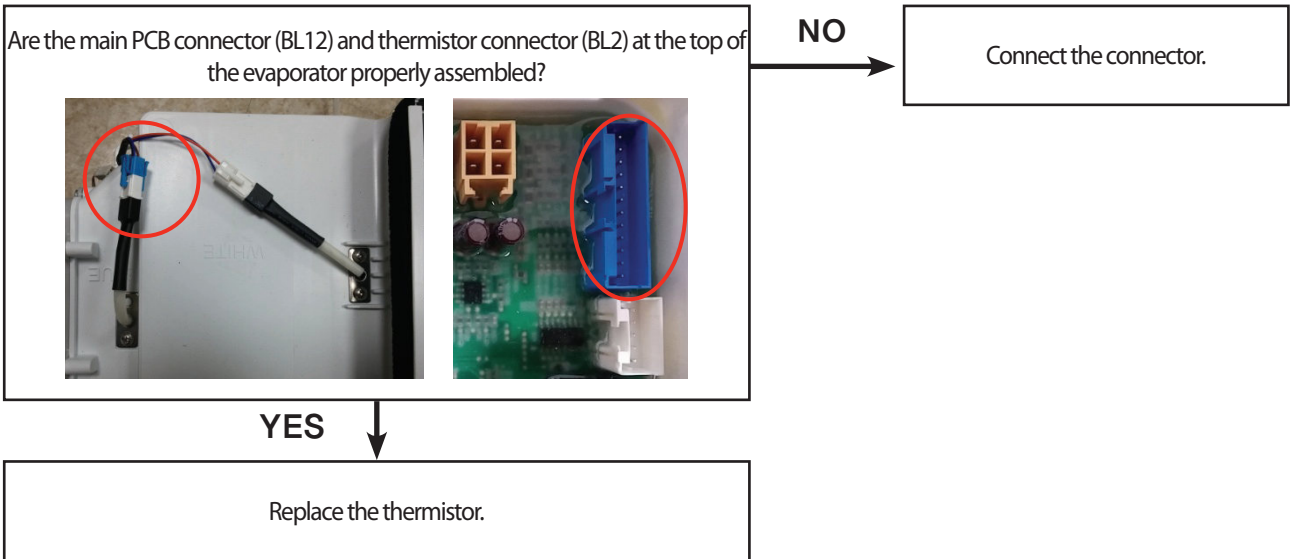


12-11. TE2

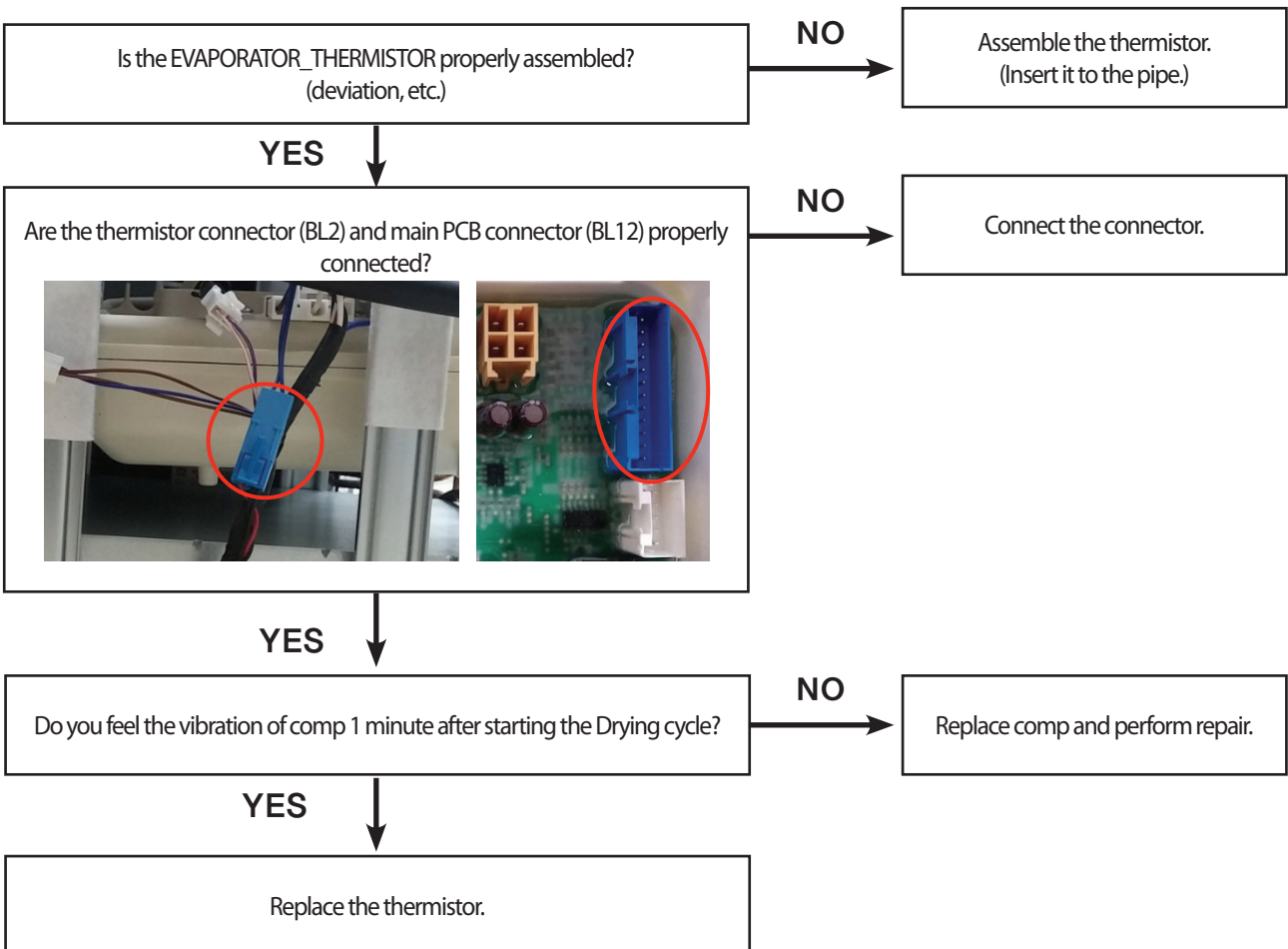




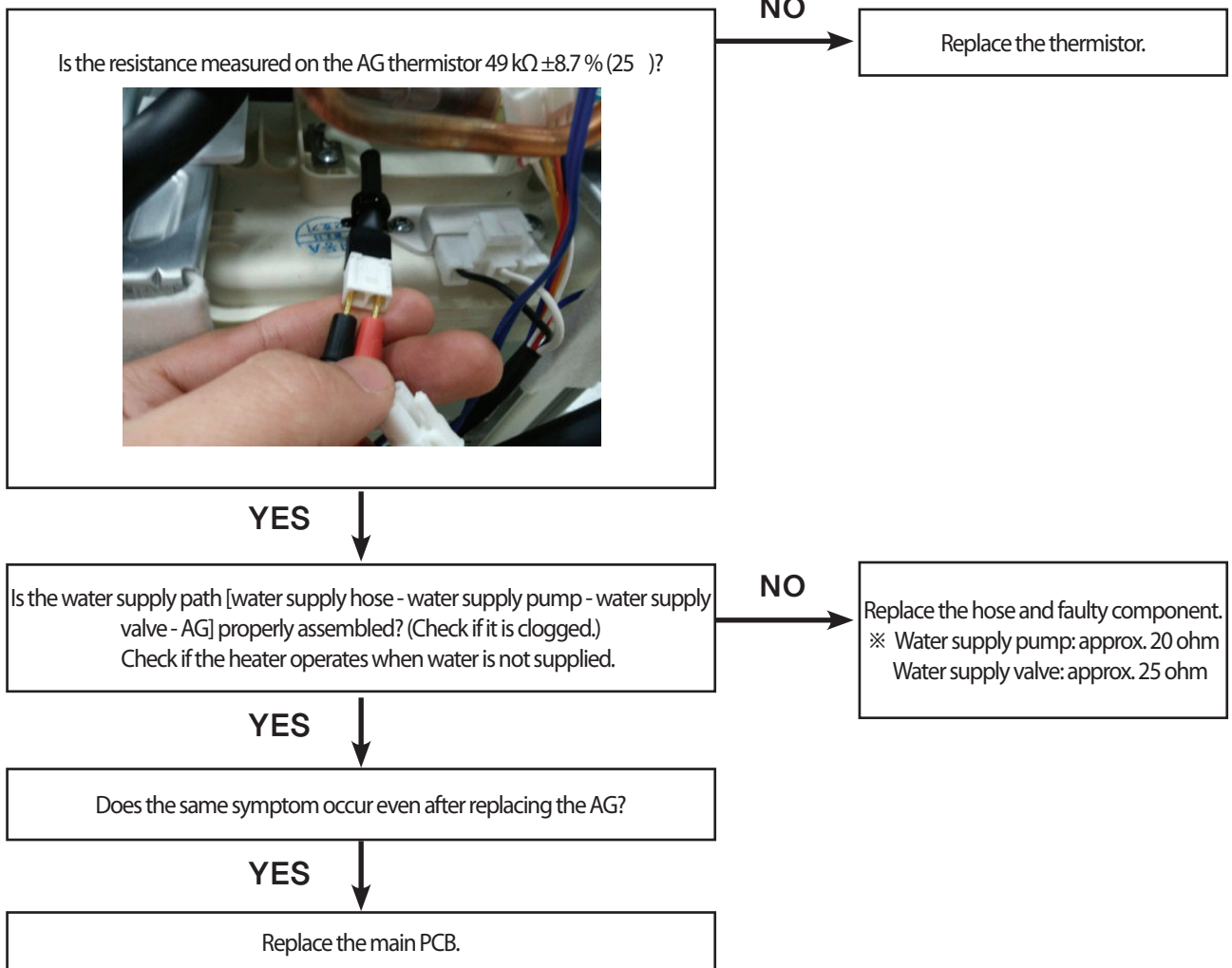
12-12. TE3



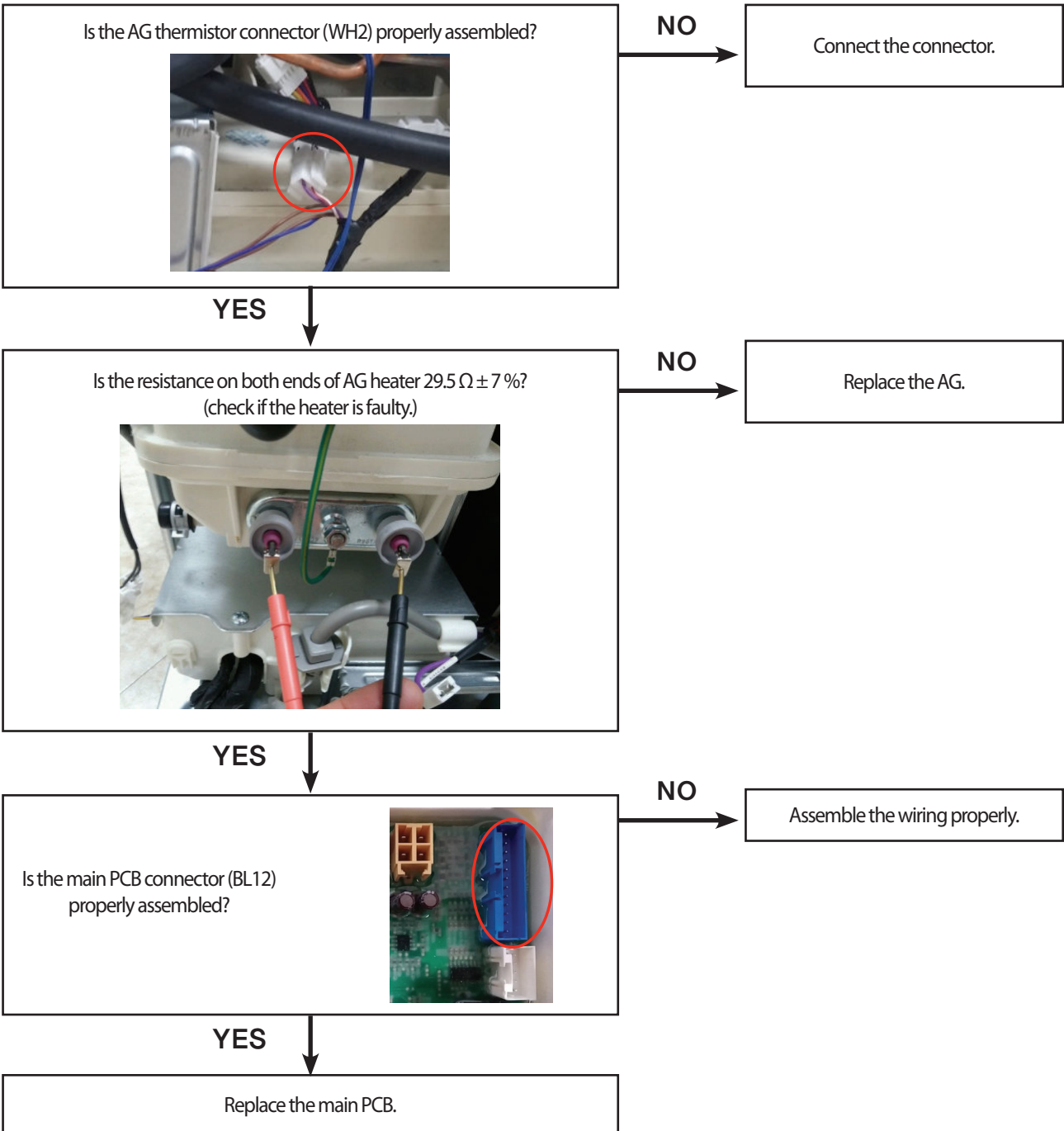
12-13. TE5



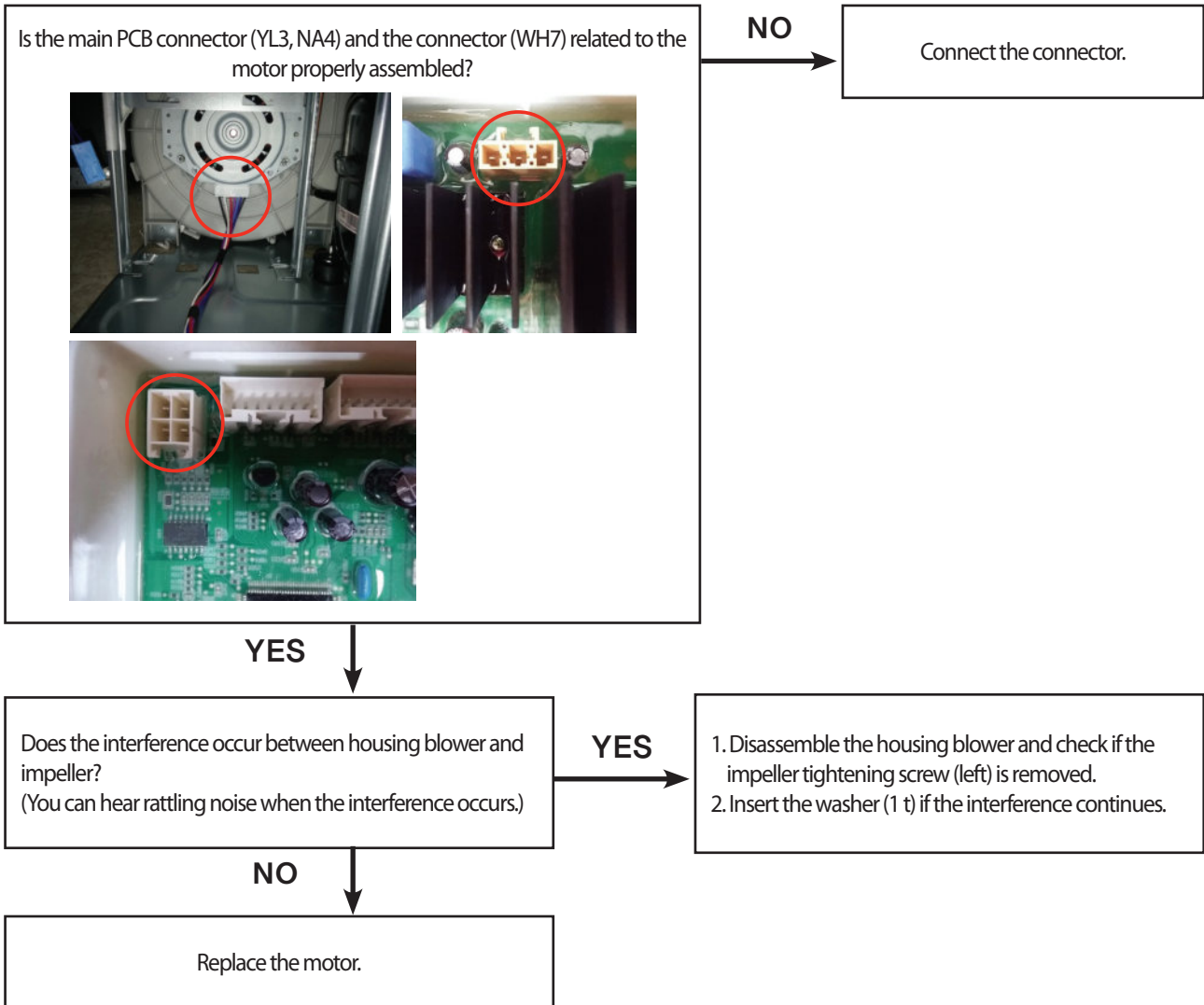
12-14. E1



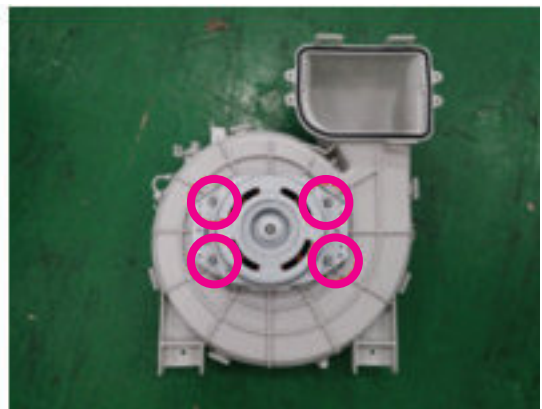
12-15. E4



12-16. LE



Check if the screw (left) is removed.

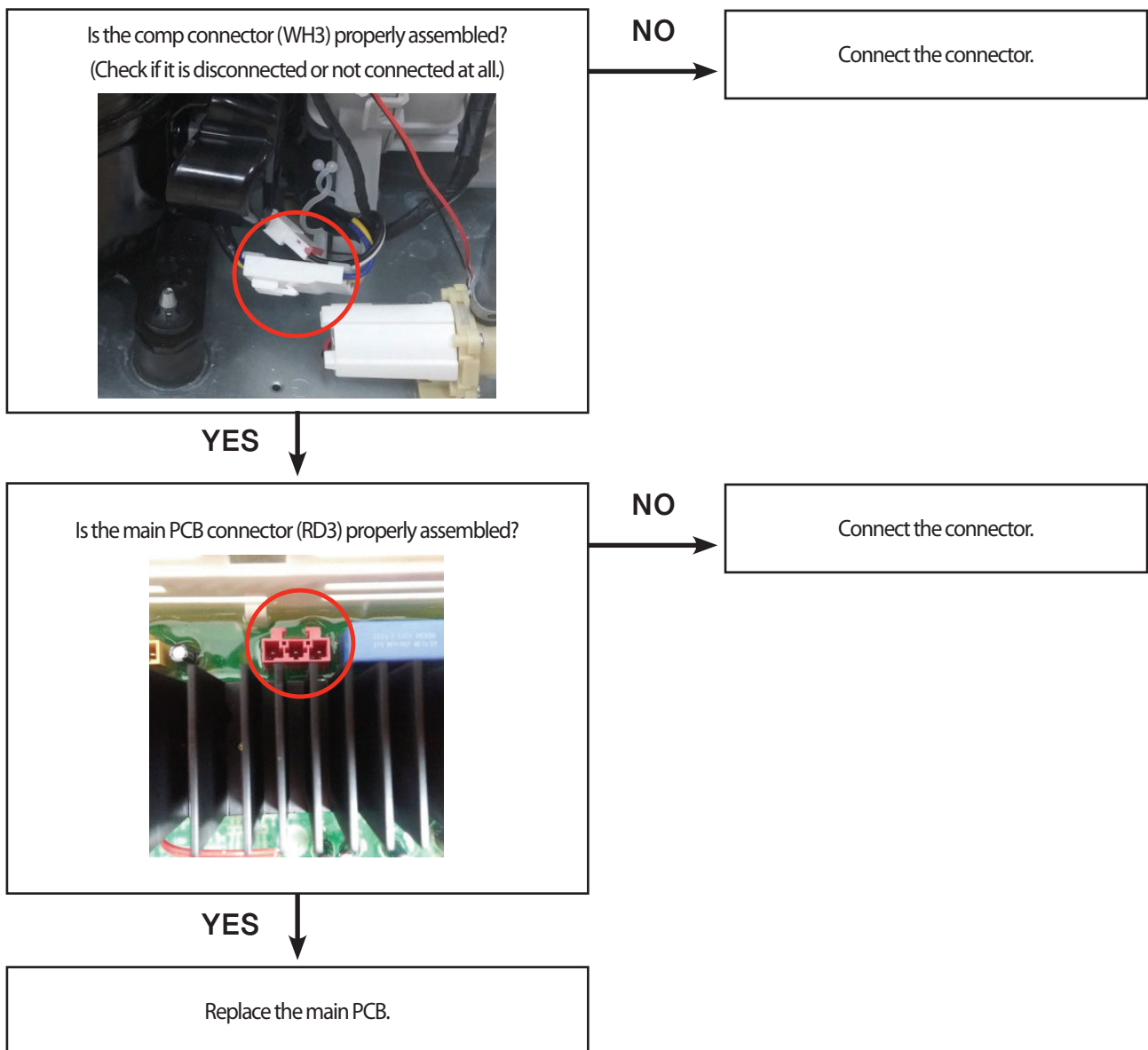


Find the part where interference occurs when you press the operating motor and add a washer to the part to secure enough gap.

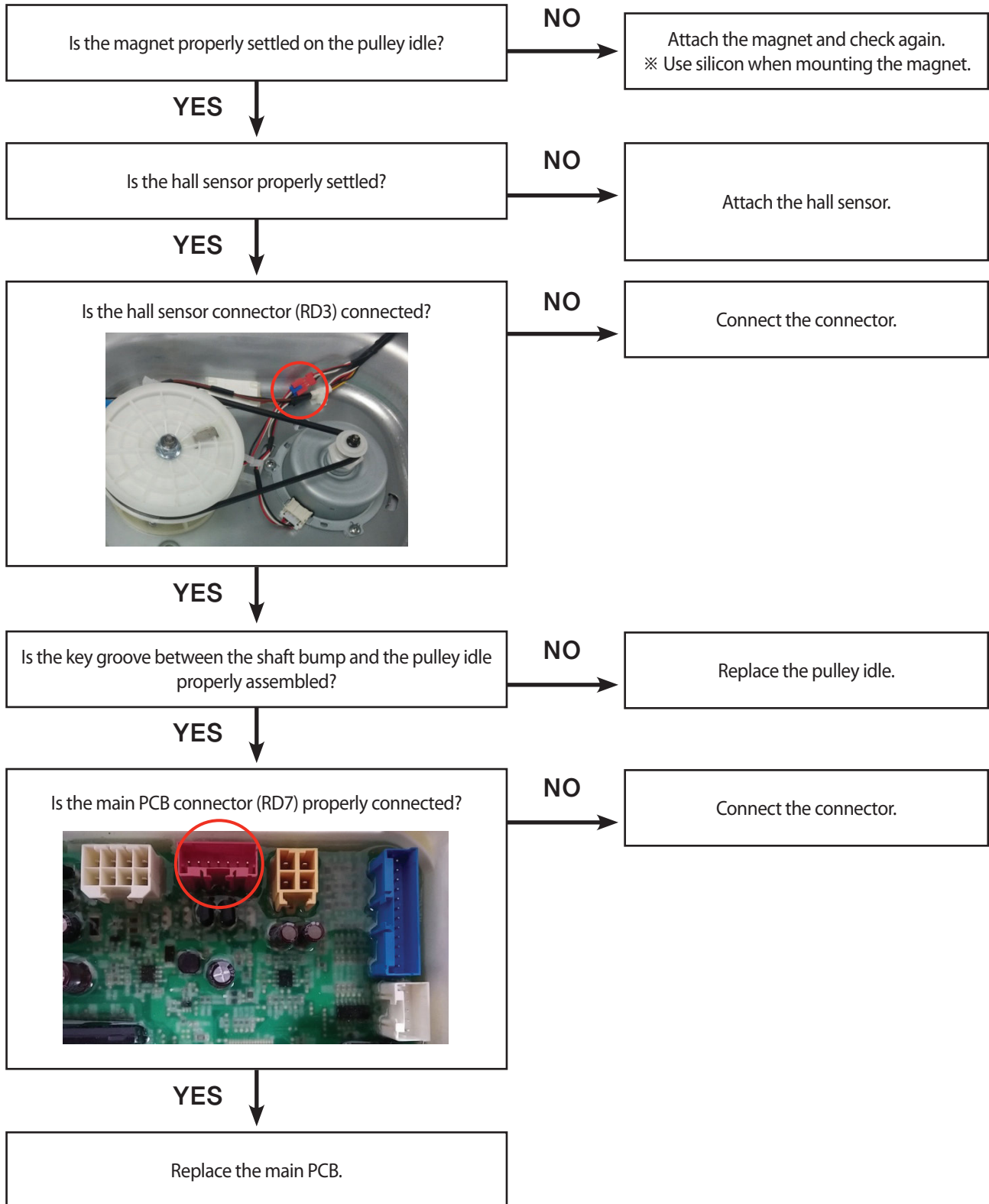
12-17. LE2

Replace comp and LEV and perform repair.

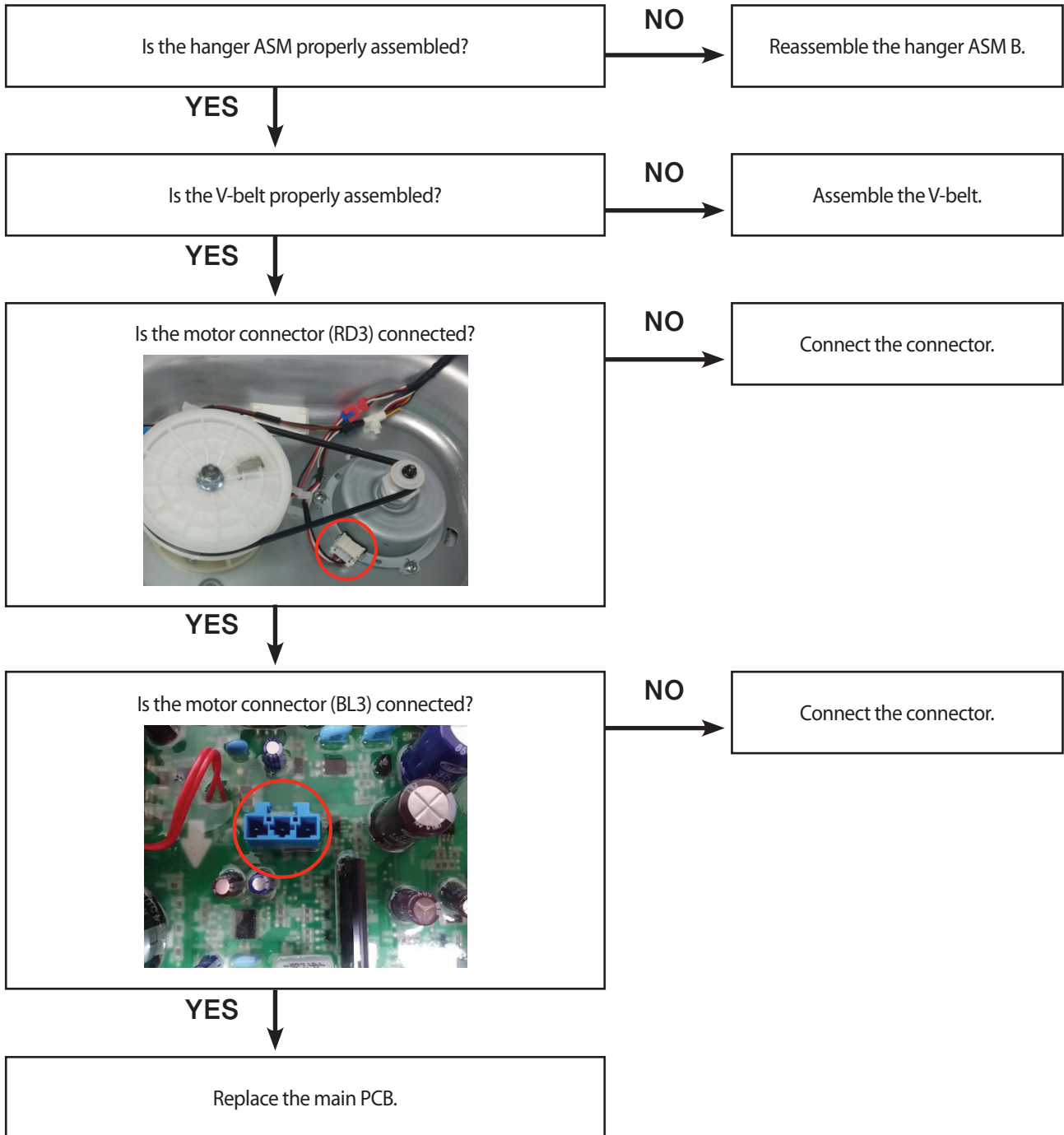
12-18. AE



12-19. Moving Hanger not in Proper Position

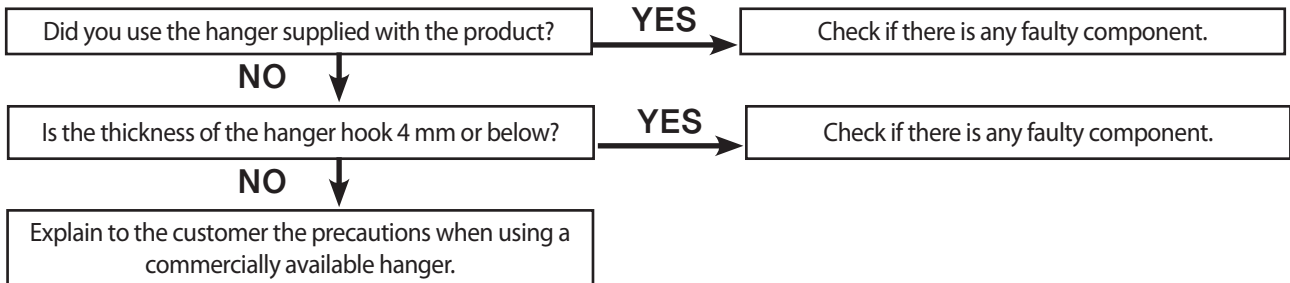


12-20. Moving Hanger Does not Move

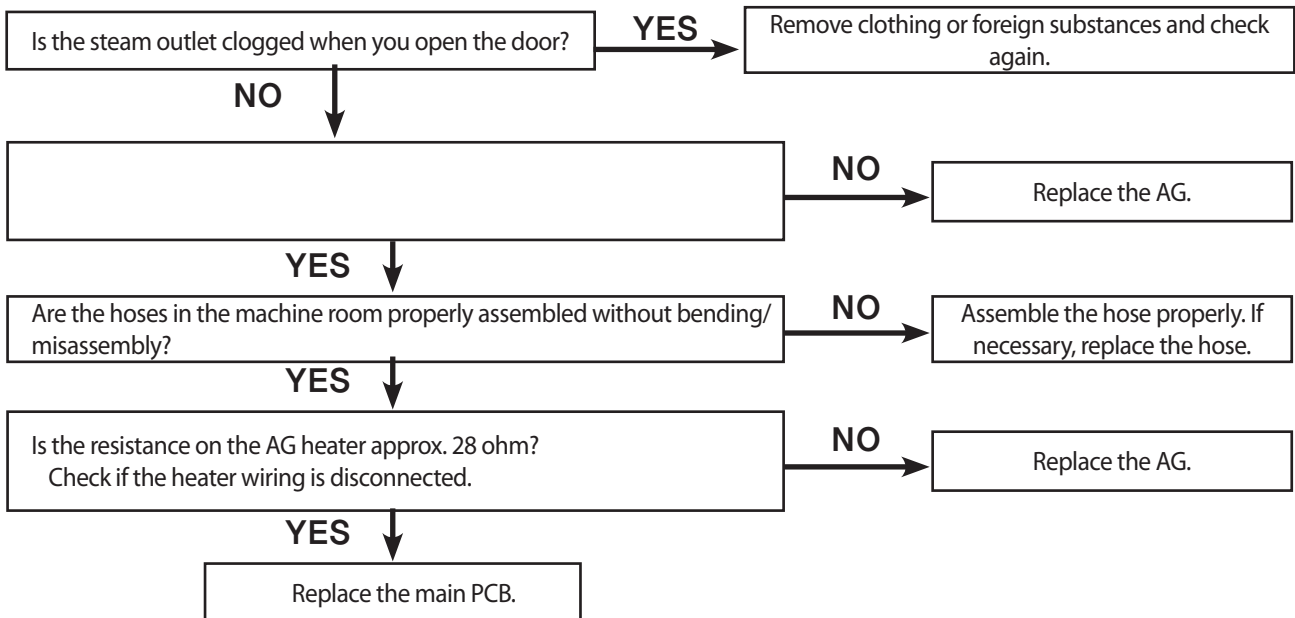


12-21. Problem with Wrinkle Removal #1

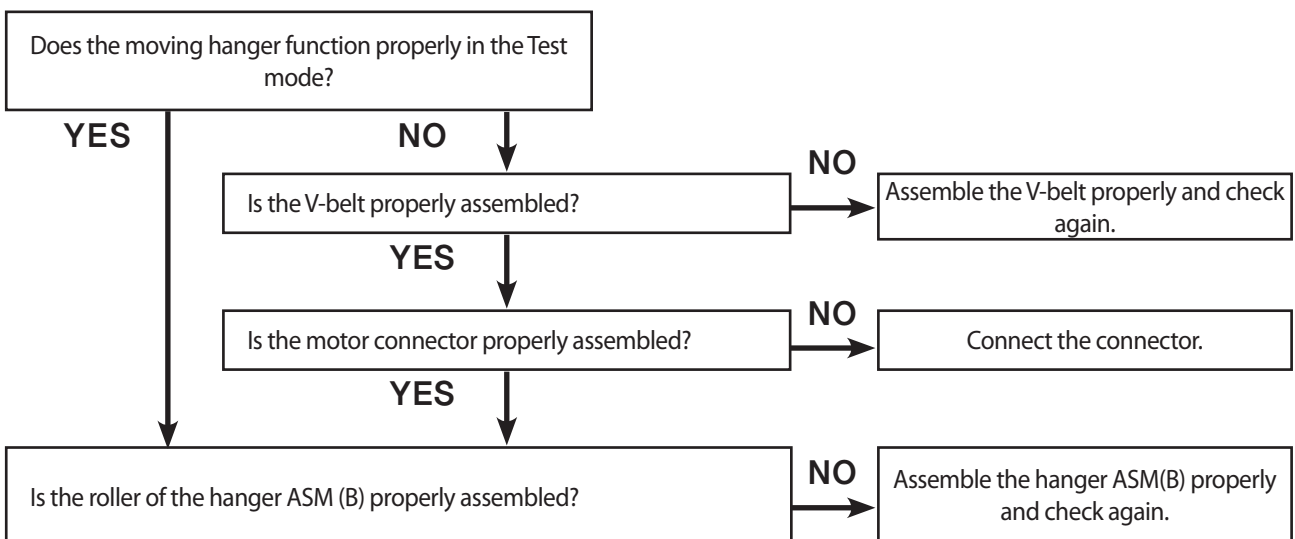
0. First thing you need to check



1. Check if the steam functions properly.



2. Check if the moving hanger functions properly.



12-22. Problem with Wrinkle Removal #2

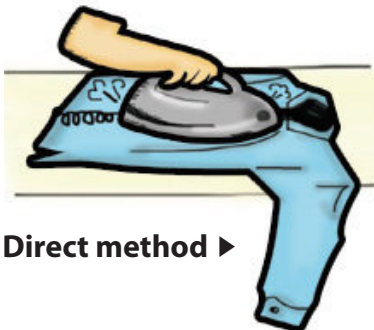
- **Wrinkles are not removed properly. Especially, it is the case with Y-shirts.**

You need to use a regular iron to straighten the shirt made of 100 % cotton.

LG Styler does not directly apply the heat on the clothing like a regular iron, but uses steam and a moving hanger to remove wrinkles indirectly. So it cannot completely remove the wrinkles on the shirt made with cotton.

However, it can effectively remove wrinkles on dress shirts, overcoats or silk blouses.

You can think of the Styler as a steam iron in their ability to remove wrinkles.

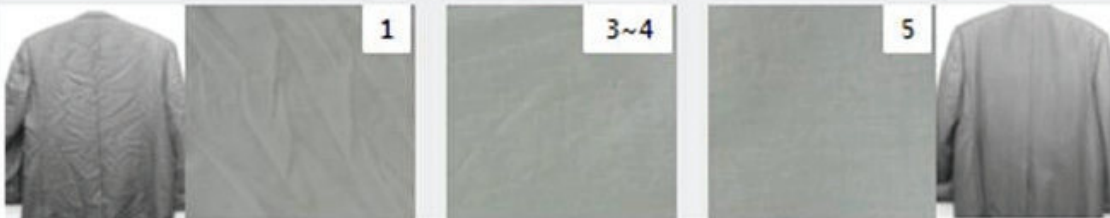


Direct method ▶



Indirect method ▶

Wrinkle Removal Evaluation: Certified by Korea Apparel Testing and Research Institute



Before use
(there are a lot of wrinkles)

Use styler

After use

Wrinkle removal score

Score	1	3	5
Wrinkle removal	A lot of wrinkles	Some wrinkles	No wrinkle Just like when ironed

Tips for Removing Wrinkles

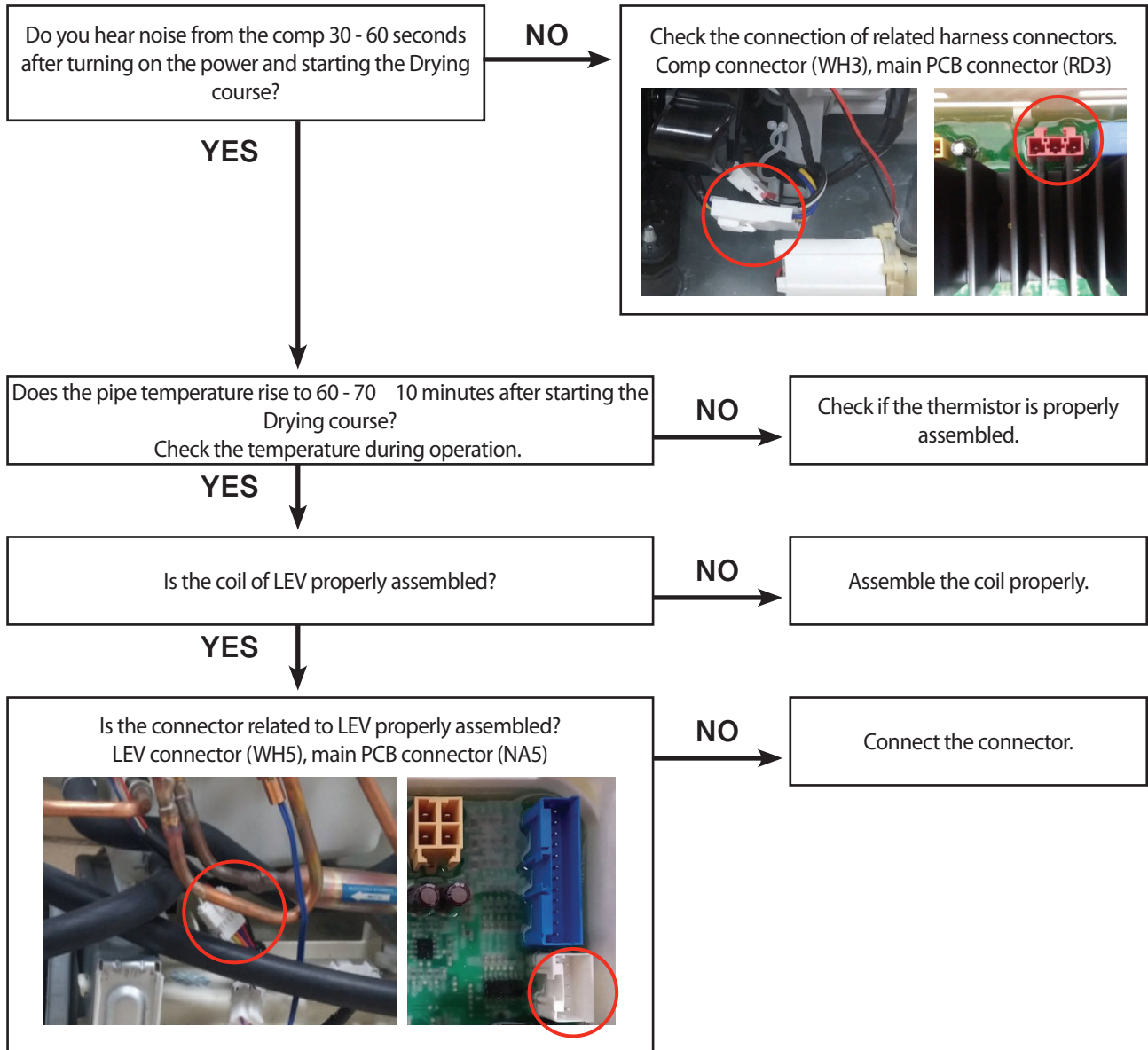
- ① Straighten the clothing with your hands before starting the course.
- ② Use a hanger provided with the product.
- ③ Use the pants press to maintain the straight lines at the edges of the pants while removing the wrinkles.
- ④ If you select the Strong option or the 'Sterilization' course, more steam is injected, improving the performance.

12-23. Problem with Wrinkle Removal #3

- **Wrinkles are not removed properly after washing in a washing machine. Straight lines at the edges of the pants are gone.**

- The Styler effectively removes wrinkles that can form at the edges of the sleeves or the rear of the pants.
- In the case of clothes made of cotton or linen, it may be difficult to remove the wrinkles formed after washing completely with the Styler.
- You need to use a regular iron to straighten the shirt made of 100 % cotton.
- LG Styler does not directly apply the heat on the clothing like a regular iron, but uses steam and a moving hanger to remove wrinkles indirectly. So it cannot completely remove the wrinkles on the clothes made with cotton.
- On the other hand, the wrinkles on the clothes made of nylon or polyester can be easily removed with the Styler. In this case, the straight lines at the edges of the pants may be removed as well.
- The results that the Styler produces may differ depending on the material used on the clothing.
- When you want to straighten out creases and deodorize your pants while maintaining the straight lines at the edges of the pants, you can use the pants press.

12-24. Problem with Drying #1

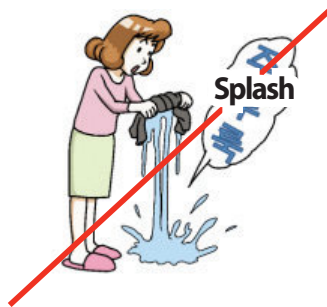


12-25. Problem with Drying #2

- **Clothing is not completely dry after drying. Moisture remains on the clothing.**

1. Use the Drying course **only after you completely wrung the water** from the clothing.

If you do not completely wrung the water from the clothing, time required for drying may be extended, raising the electric bill. Also, the clothing may not be completely dry even after the Drying cycle.



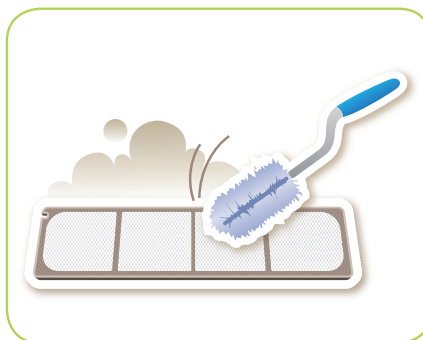
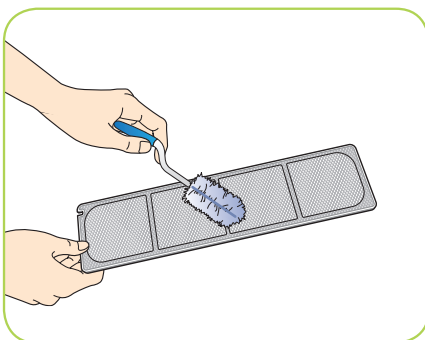
2. Did you put **appropriate amount of clothing** inside the styler?

When you dry the clothing, use only up to two clothes at one time in the case of thick clothes and use up to 4 sheets in the case of towels.



3. Check the **lint filter** before use.

The lint from the clothing may accumulate on the filter and clog the outlet, lowering the drying performance of the Styler.



12-26. Problem with Drying #3

- **Clothing is not completely dry after drying. Moisture remains on the clothing.**

1. **In the case of thick clothing such as jeans and blankets, run the Drying course once more after turning the clothing inside out.**

Thick clothing may not dry well due to its properties to keep moisture compared to the thin clothing. Especially, when you dry thick clothing or stack up several thin clothing, outside of the clothing may dry well, while the inside may not dry as well.

In this case, you can turn the clothing inside out and dry them once more for effective drying. In the case of thick pants such as jeans, you may want to stretch the waist of the pants and hang them on the hanger for improved drying performance.

2. **Do not open the door during the operation.**

If you open the door during the cycle, performance of the Styler may decrease and water may condense and fall on the floor as the warm, humid air inside meets the cold air outside.

Even if you don't open the door during the operation, small amount of water may condense and gather at the rubber gasket. This is a natural phenomenon and not a malfunction. Wipe the inside of the Styler once after use or open the door of the Styler to dry the moisture inside.



12-27. Problem with Drying #4

- **The clothes does not dry well.**

Did you by any chance use the Styling course for drying?

Styling course is not intended for drying.

It does remove steam moisture used for wrinkle and odor removal for a short time at the beginning, but its purpose is not drying.

If you want to dry wet clothes, select the 'Drying' course, which is a course for drying clothes.

The Drying course has sub-courses for different clothing and you can set the time for drying using the TimeDry option to finish it at the time you want.

► 'Drying' course



1. If you set the time using the TimeDry option, the Styler dries the clothes for the duration you set and finishes the course.

If the time for drying is not long enough compared to the amount of clothing or moisture, the clothes may not dry completely. In this case, you need to increase the time for drying.

2. The Standard Drying option dries the clothes until the sensor detects the preset amount of moisture in the clothes and then finishes the course. If there are a lot of clothes or the clothes are too wet, they may not dry as much as you want.

12-28. Problem with Odor Removal #1

- **I smell something fusty when I operate the Styler.**
- **Odor remains in the product and does not go away.**

Check if the foreign substances are present inside the water supply/drain tanks.

First, remove the aroma sheet inside the aroma kit.

Clean the aroma kit thoroughly as the remnants from the aroma sheet may be present on the kit,

Empty the water drain tank, clean it thoroughly, and put it back in the original place.

Empty the water supply tank, clean it thoroughly, fill the tank with new water, and put it back in the original place.

Open the door of the Styler for ventilation while you wash the water tanks.

If the odor still does not go away, use the wet towel to clean the inside of the Styler.

If the odor still does not go away, remove the clothes in the Styler and the aroma sheet. Then operate the Styler once after selecting both the Styling course and the Sterilization option.

You may also put two or three drops of alcohol or vinegar in the water supply tank during the cycle to better remove the odor.

※ **Caution:**

Do not put any liquid other than water, such as fabric softener or detergent, in the water supply tank.

Make sure to use tap water only because any foreign materials in the water may shorten the product's life span.

Do not reuse the water in the drain tank.

Purchasing Aroma Sheet

: Aroma sheet can be purchased at KRW 9,900 for 1 box at the LG Best Shop.

There are 30 sheets in one box and you can change them once every two or three cycles.

Generally, if you purchase one box of aroma sheets, you can use it for up to 3 months.

12-29. Problem with Odor Removal #1

- **Odor does not go away after Styling.**

If the clothing is kept for 1 - 2 years inside the wardrobe, odor may penetrate deep into the clothing and the steam may not perfectly remove the odor.

Perform the Styling as soon as odor permeates the clothing.

If you want to remove the odor that has penetrated deep into the clothing, use either the Styling-Strong course or the Sterilization course.

These courses inject more steam than the Styling course, removing odor more efficiently.

Once you finish the course, open the door of the Styler or take out the clothing from the Styler as the odor or steam particles that are left inside the Styler may stick to the clothing again.



12-30. Problem with Accessories #1

- **Why do you give only 2 hangers with the Styler? Can I use commercially available hangers?**

Hangers provided with the product include one for man and one for woman. However, some clothing such as babywear may not fit on the hanger. In this case, you can use the commercially available hanger, which is why we only provides you with two hangers.

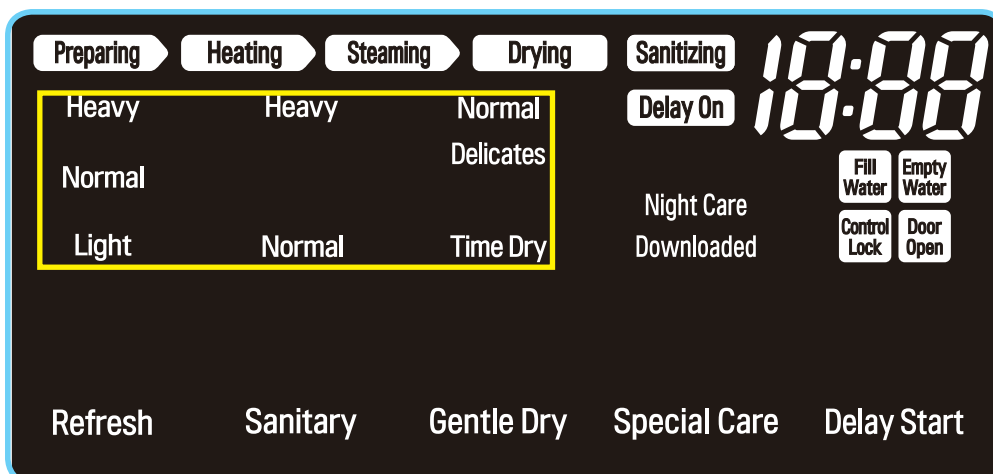
Instead, you can use the commercially available hangers with the moving hanger. When you use commercially available hangers, check if the thickness of their hook is 4 mm or below.

If the hanger is not properly inserted to the groove, it may not produce the desired performance and may make rattling noise.

※ **Caution: Commercially available hangers may be damaged when used with the moving hanger due to their weak durability.**

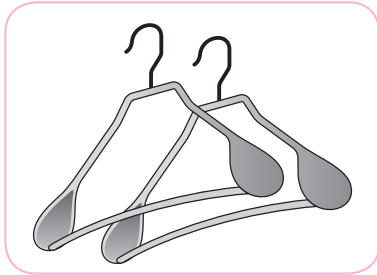


► Courses where the moving hanger moves

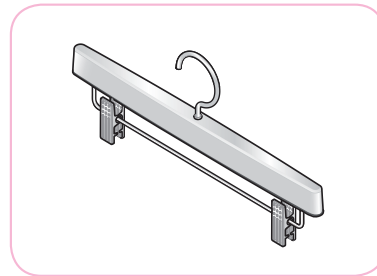


12-31. Problem with Accessories #2

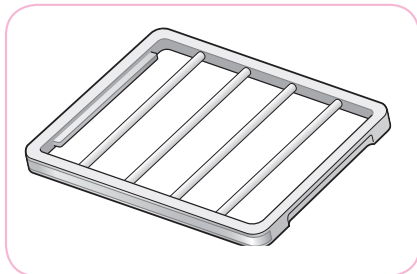
The following accessories can be additionally purchased from the LG Best Shop or LG service center.



One hanger: KRW ?????



A pair of pants: KRW ?????



One shelf: KRW ?????

12-32. Vibration and Noise #1

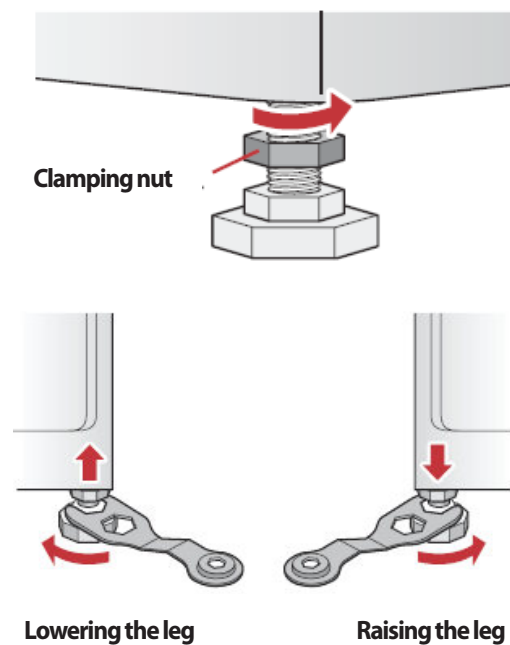
- **The Styler moves left and right when it operates.**

If the product is not level, it may move left and right due to the movement of the moving hanger and may cause the door to open.

In this case, rotate the levelling leg at the bottom of the product **to adjust the level**.

If the product is installed on the unstable floor such as wooden floor, the product may move or produce noise.

Move the product to the solid floor.



[Tip] Loosen the levelling leg as little as possible.

Once you finish adjusting the level, tighten the clamping nut.

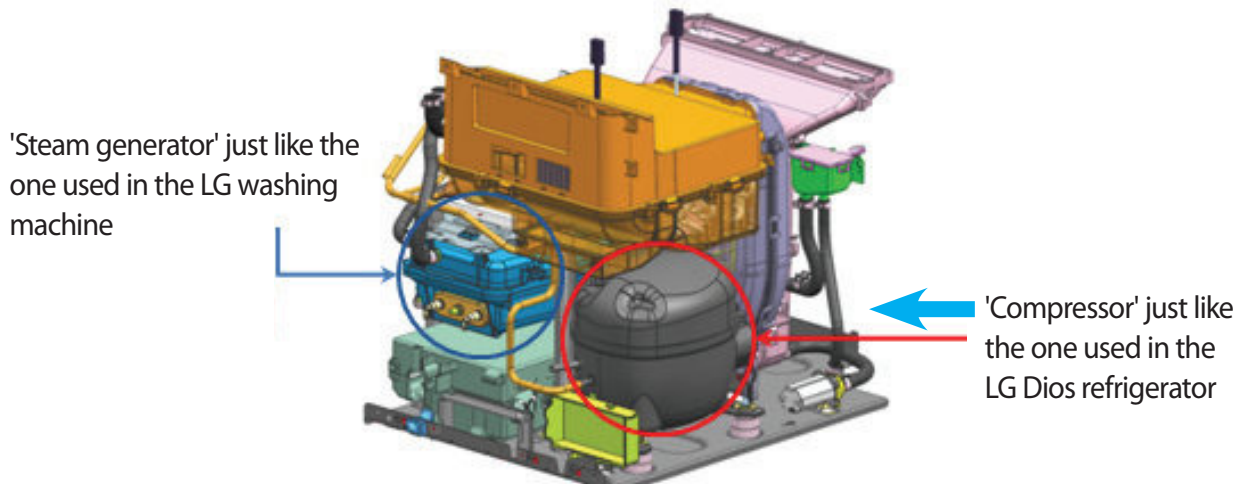
12-33. Vibration and Noise #2

- **The Styler produces noise.**

I can hear a buzzing sound when the product operates.

This is **the sound of dehumidifying component operating inside the styler**. This is a normal phenomenon and not a malfunction.

You can hear the similar sound when the refrigerator or air conditioner operates.



I can hear boiling sound when the product operates.

The Styler has a 'steam generator' just like a LG washing machine.

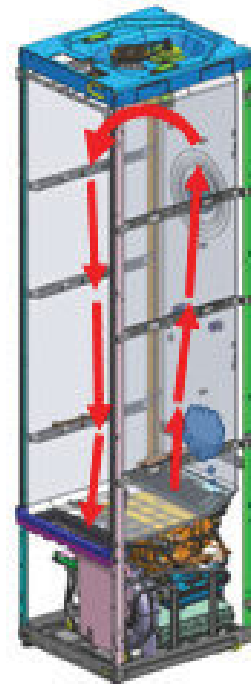
The steam generator makes the sound to boil water and make steam, which is a normal phenomenon and not a malfunction.

I can hear whizzing sound when the product operates.

It is the sound of the Styler **blowing wind to dry the clothes**, which is a normal phenomenon and not a malfunction.

If the noise is too loud, check if the foreign substance such as vinyl is blocking the wind outlet.

Make sure that no foreign substances such as coins get into the product



12-34. Vibration and Noise #3

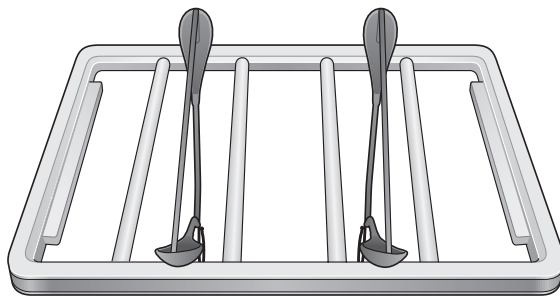
- I can hear rattling noise when the product operates.

Take out unused hangers from the moving hanger and put them on the shelf upside down..

The moving hanger in the Styler performs 200 times of reciprocating motion per minute to improve the performance of the Styler.

If there are empty hangers on the moving hanger, the product may make rattling noise.

If you hang the clothes on the hanger, the product does not make any noise due to the weight of the clothes. However, if there are empty hangers, the product makes rattling noise.



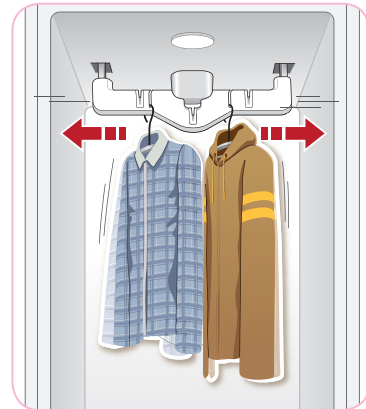
Hook the hangers in the grooves of the moving hanger to prevent buttons/accessories in the clothing from touching the inner surface of the Styler.

Otherwise, the buttons/accessories may collide with the inner surface of the product and produce noise.

Hang the hangers in a way that they face the same direction.

In the case of hangers with thick shoulder part, hanging them in a way that they face each other may cause noise because they bump into each other when the moving hanger moves.

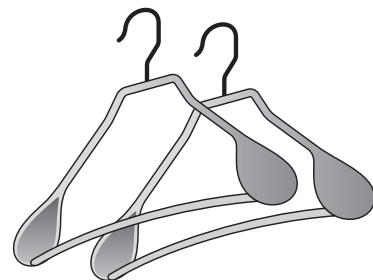
If you have only a small number of clothing, hook them in the moving hanger in a way that you skip every other groove so that they don't bump into each other and make noise.



Use the hanger provided with the product. Commercially available hangers may not fit into the groove of the moving hanger and may produce noise.

When you use commercially available hangers, be sure to use the hanger with a hook whose thickness is 4 mm or below.

Caution: Commercially available hangers may be damaged when used with the moving hanger due to their weak durability.



12-35. Clothing Deformation #1

- I heard that more steam is produced when I use the Styling-Strong option. Doesn't this damage the clothing?
- Doesn't the hot steam damage the clothing?

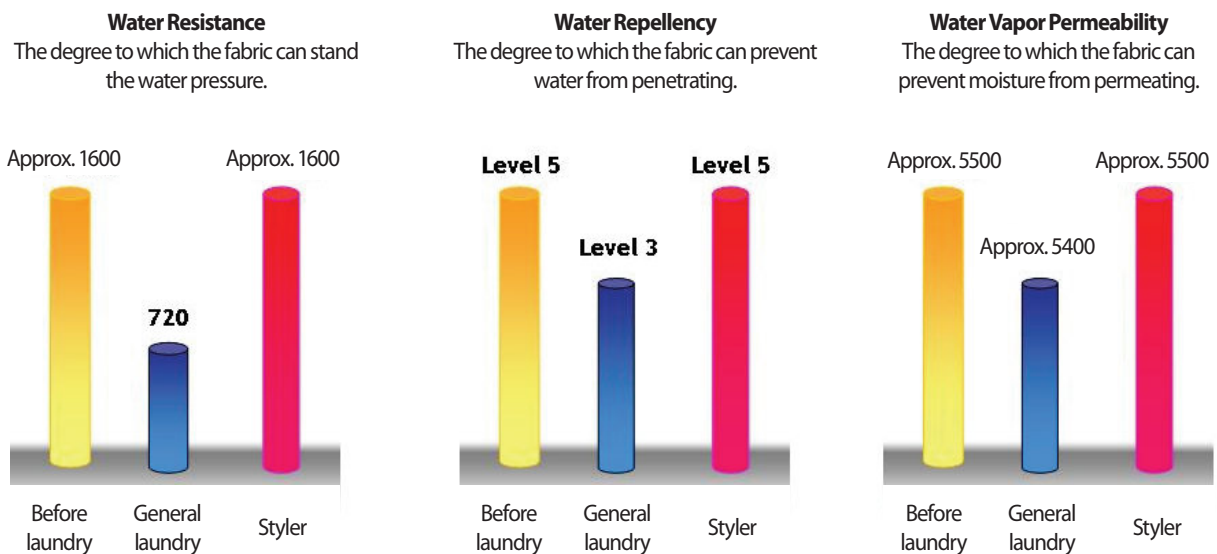
If you select the Styling-Strong option, more steam is produced, but the steam temperature is the same. Therefore, **the amount of moisture permeating the clothing increases, but the steam temperature stays the same.**

There is no possibility that the clothing may be damaged.

The Styling and Sterilization courses produce steam. When the steam generator produces steam, the temperature of the steam is 100 . However, it cools off rapidly to 60 - 70 as the steam passes through the pipe and reaches the clothing. This temperature does not damage the clothing and this was proven by the Korea Apparel Testing and Research Institute.

* However, be careful with the clothing that should not be exposed to water!!

[You can see that the properties of the clothing do not change after using the Styler.]



'Styling Sportswear' course. Certified by the Korea Apparel Testing and Research Institute

12-36. Clothing Deformation #2

- **Clothing is stretched.**

Moving hanger moves left and right in most of the Styling courses.

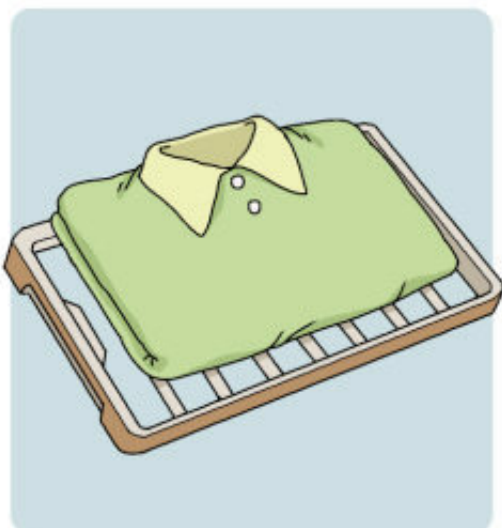
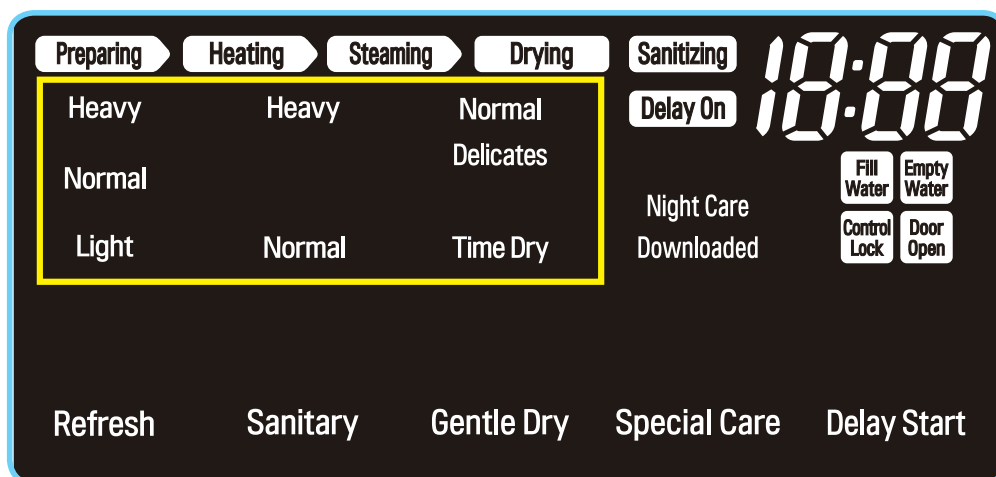
This is to make more steam particles penetrate into the clothing.

Knitwear or wool clothing may stretch more due to the movement of the moving hanger depending on how they are weaved.

(If the clothing is weaved tightly, it does not stretch much. However, if the clothing is weaved coarsely, it may stretch more.)

If you use the clothing that easily stretches out, be sure to **put them on the shelf.**

► **Courses where the moving hanger moves**

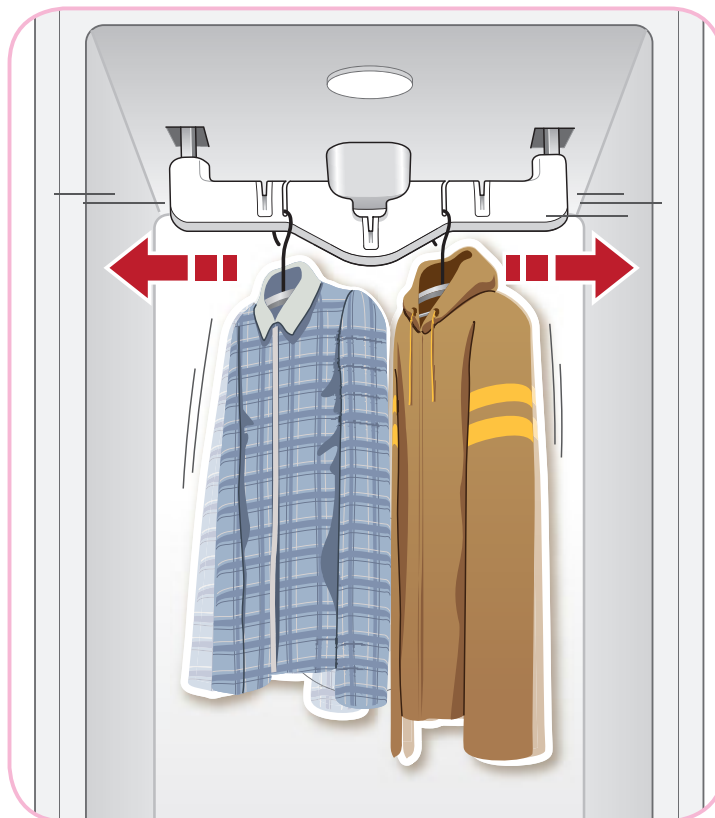


12-37. Clothing Deformation #3

- **The clothes produce fluffs. / The clothes has shrunk.**

Hang the hangers on the moving hanger in a way that the hangers face the same direction. If you hang the hangers in a way that they face each other, the clothes may bump into each other as the moving hanger moves, producing fluffs.

If you have only a small number of clothing, hook them in the moving hanger in a way that you skip every other groove so that they don't bump into each other.



The Styler uses steam to remove wrinkles and odor.

Therefore, you should not use the clothing that should not be exposed to water. For example, you cannot use leather, starched linen, ramie, wool that shrinks when exposed to water, and vinyl that retains water spot after washing.

Refer to the label attached on the clothing and use the styler accordingly.

13

Changing the Door Direction

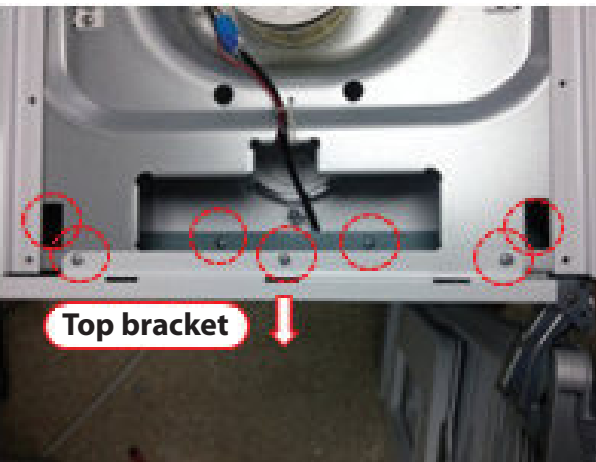
⚠ CAUTION

- Be sure to wear long gloves. Otherwise, it may cause injury.
- The door is very heavy. Be careful not to drop it. Otherwise, it may cause injury.
- When you work on the ladder, be careful not to fall down.

•For the details on the reversible kit, refer to the picture in the last chapter.



1. Loosen 10 screws at the top of the product, remove the cap cover, and then detach the top cover.



2. Loosen 7 screws and remove the top bracket.



3. Remove the antibacterial water supply/drain tanks.



4. Loosen 5 screws and remove the cover.



5. Remove the connector connected to the display PCB and the red and white connectors connected to the reed switch and remove the cover.

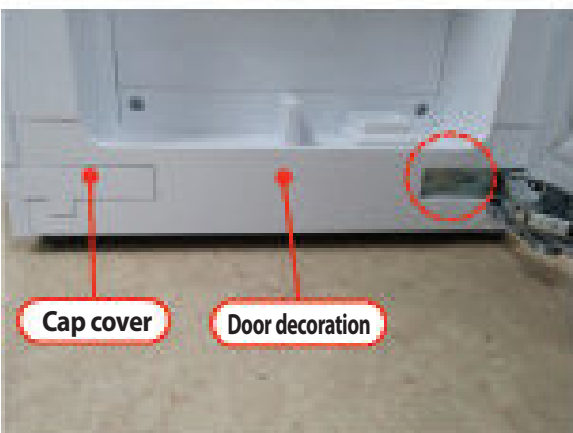


6. Pull out the hinge cap cover at the bottom and remove it.

7. Remove the cap cover from the door decoration.

8. Loosen the top/bottom hinge fixing screws approx. 15 mm and pull out the door to the right side of the product to detach it.

※ Caution: When you do this, be sure to hold the door firmly. Otherwise, the door may fall down or crash, causing injury. Lay down the door on the floor covered with soft clothing.





9. Loosen 4 screws at the top of the door and detach 2 cap covers from the protective cover.



10. Loosen 2 screws that fix the hinge and detach the hinge from the hinge cap cover.



11. Loosen 5 screws at the bottom of the door and detach 2 cap covers, protective cover, and slider.



12. Loosen the hinge at the bottom by using the same method as that used for the hinge at the top, move the hinge in a diagonal direction, and attach the 'L' hinge cap cover.



13. Attach the 'L' cap cover for the hinge side and switch the position of the cover on the opposite side in a diagonal direction and attach it.



14. Press the pants press to open it.



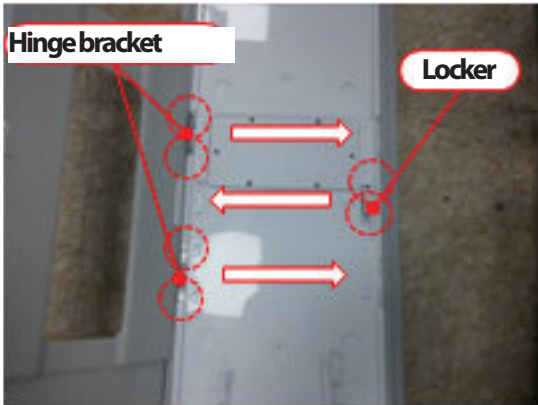
15. Insert the awl into the gap on the cap cover and remove the cap cover.

16. Loosen 2 screws at the position where the detached cap cover was.

17. Lift the plate to detach it.



18. Loosen 8 screws and remove the cap covers on both sides.



19. Loosen 4 screws on the hinge side, remove the hinge bracket, and detach the pants press.

20. Loosen 2 screws on the locker side and remove the locker.



21. Remove 8 cap covers located on both sides of the pants press and loosen the screws to detach the locker holder and hinge.

22. Loosen 2 screws and detach the locker hook. Move the locker hook and hinge on the left to the right and vice versa to assemble them in the reverse order of disassembly.

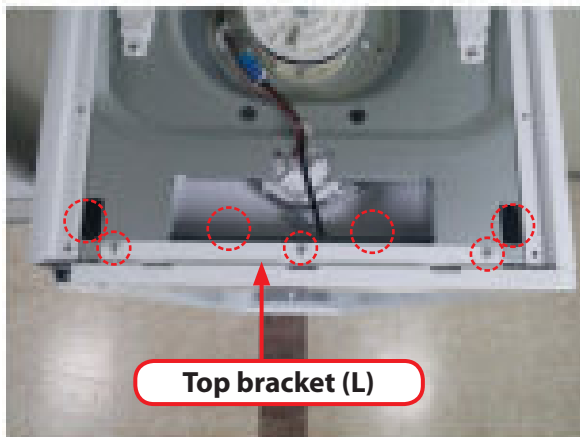
23. Attach the pants press on the door, move the hinge bracket and locker on the left to the right and vice versa to assemble the door in the reverse order of disassembly.





24. Loosen two top hinge fixing screws and two bottom hinge fixing screws completely to protrude them approx. 15 mm on the opposite side.

25. Loosen the screws and attach the cap cover on the opposite side.



26. Tighten 3 screws at the top of the 'L' top bracket and tighten 4 screws at the bottom.



27. Insert the hinge to the loosened screws and pull it to the right to fix it.



28. Insert the wire fixing slider to the hole below the hinge and fix the top/bottom hinge screws.

※ Caution: When you do this, be sure to hold the door firmly. Check if the wiring is pinched or bent when attaching the door.



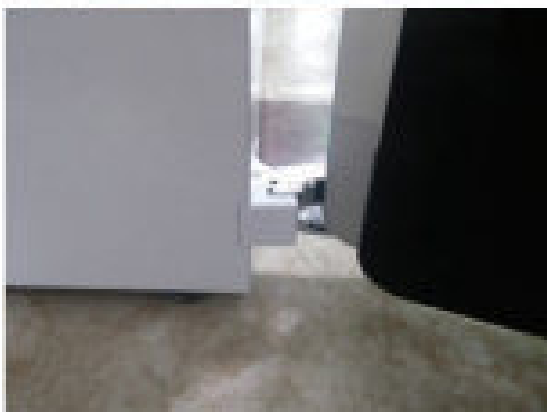
29. Connect the connector connected to the display PCB and the red and white connectors connected to the reed switch.

※ Caution: Be sure to check the color of the connector before assembly so that you can properly assemble the connector.



30. Use 5 screws to tighten the cover.

31. Assemble the door decoration and 'L' cap cover.



32. Assemble the cap cover.



33. Assemble the water supply/drain tanks.



34. Move to the top of the product, place the top cover, and tighten 9 screws except for the hinge side.

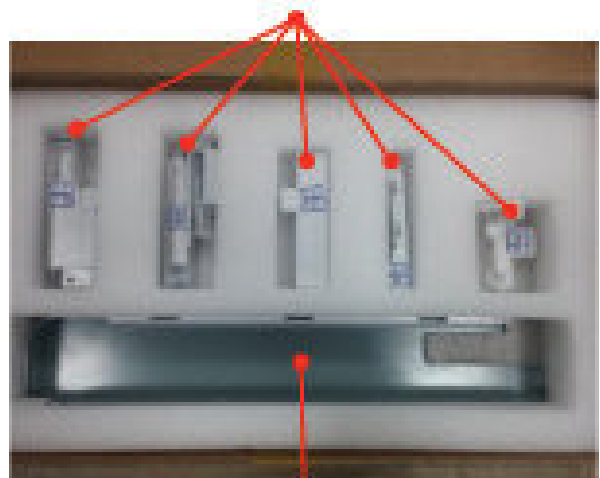
35. Assemble the 'L' cap cover and tighten the screws.

36. Open and close the door to check if the door is properly assembled.

<Reversible Kit(SVC Loc : SVC01)>

Components: Cap, 5 different covers (L), bracket, and top (L)

Cap, 5 different covers (L)



Bracket, Top(L)

14

Disassembly

- **Be sure to pull out the power cord before disassembly.**

Disassemble main PCB → Disassemble machine room



1. Remove the aroma filter.



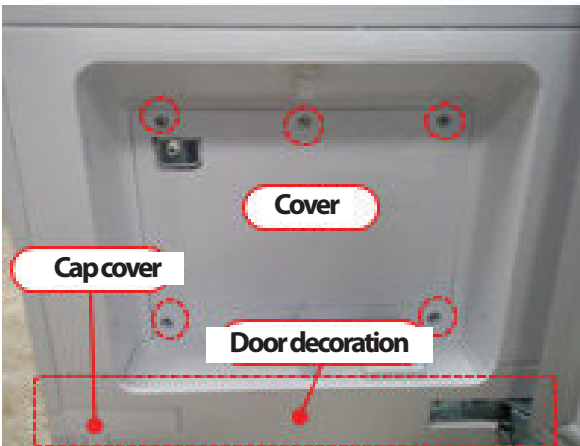
2. Remove the antibacterial water supply/drain tanks.



3. Hold both sides of the grille and detach it to remove the filter.



4. Loosen 6 screws and remove the connector.



5. Loosen 6 screws and remove the cover.

6. Pull the door decoration and cap cover to detach them.



7. Remove 4 connectors except for the blue connector.

8. Loosen 2 screws and pull down the nozzle to detach it.



9. Loosen 2 screws at the bottom.

10. Loosen 2 screws and remove the bottom frame.



11. Remove the hose that is connected to the frame.



12. Move to the back side of the product and loosen 6 screws to remove the cover.



13. Remove 2 hoses.

14. Loosen 6 screws.



15. Hold the handle of the machine room, lift it slightly and pull it outside.

※ Make sure that the pipe and wiring hoses do not bump into the cabinet.
Be careful not to get cut as the cabinet has sharp edges.

- **Disassembling main PCB**



1. Move to the back side of the product and loosen 6 screws to remove the cover.



2. Remove 2 hoses.

3. Remove 3 connectors that are connected to the generator ASM.



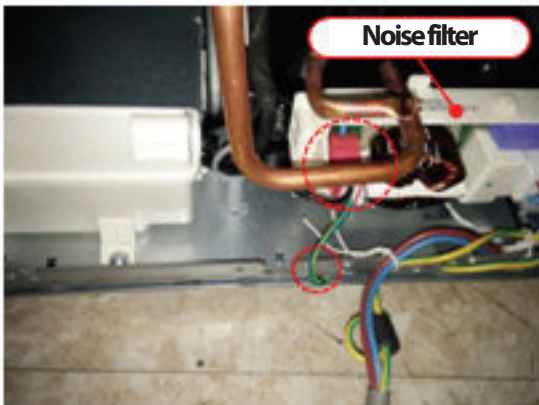
3. Loosen 2 screws and push the generator ASM to the left and pull it back to place it on top of the main PCB.



4. Remove 2 connectors connected to the generator ASM and remove the generator ASM.



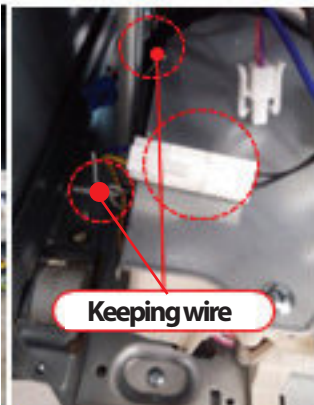
5. Loosen 1 screw connected to the power cord holder and remove the power cord to the right.

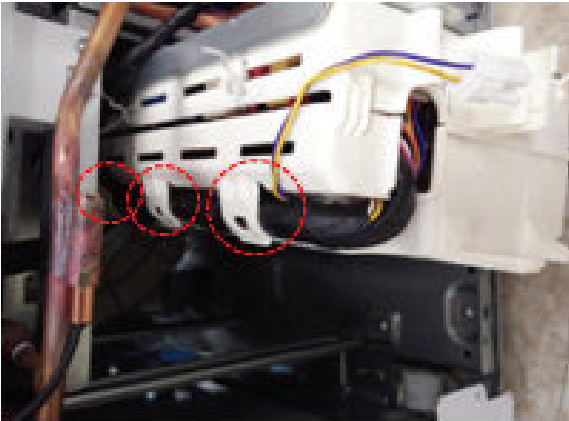


6. Remove the connector connected to the noise filter and loosen the grounding screw.

7. Remove the thermistor connector connected to the PCB ASM on the left cabinet and loosen 2 keeping wires.

8. Loosen 1 screw that fixes the PCB ASM and rotate the PCB ASM 90° clockwise.





9. Loosen the fixed wiring and pull out the PCB ASM from the product.



10. Loosen 1 screw and remove the cover.



11. Loosen the hook and open the PCB ASM.



12. Detach all the housings that are connected to the main PCB.

- **Detaching moving hanger**



1. Push the holder attached to the moving hanger outward and remove the moving hanger.



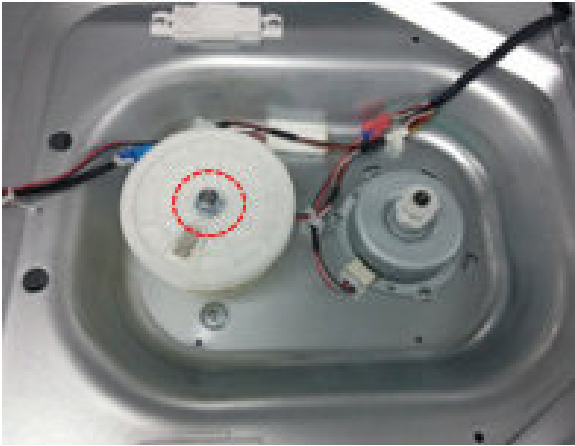
2. Remove 2 screws.



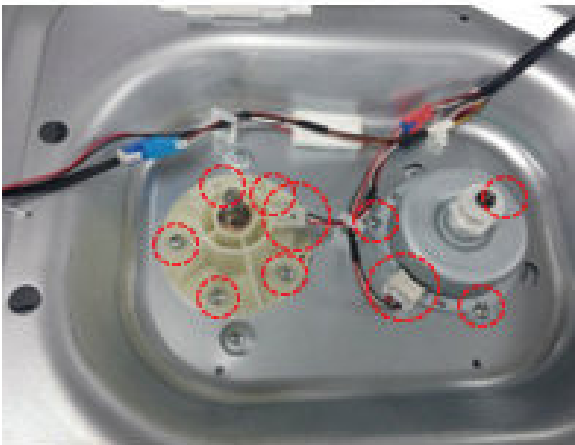
3. Loosen 10 screws and remove top cover and cap cover.



4. Remove the belt.



5. Loosen the pulley fixing bolt to remove the pulley.

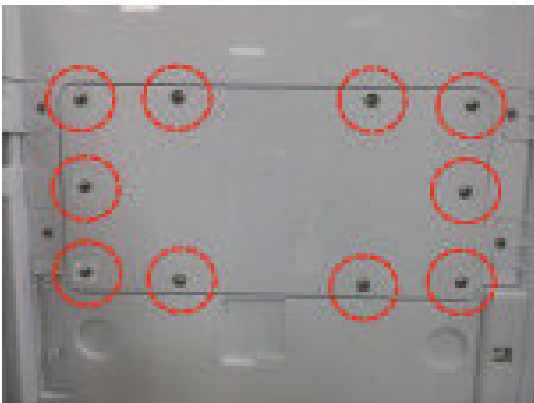
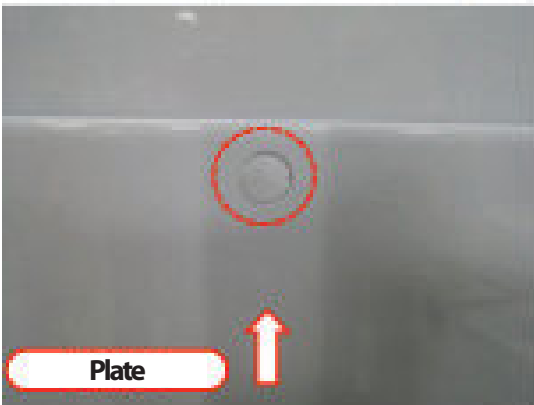


6. Remove 2 connectors.

7. Loosen 8 screws and remove the driving component.



- **Detaching display PCB**



1. Press and open the pants press.

2. Insert the awl into the gap on the cap cover and remove the cap cover.

3. Loosen 2 screws at the position where the detached cap cover was.

4. Lift the plate to detach it.

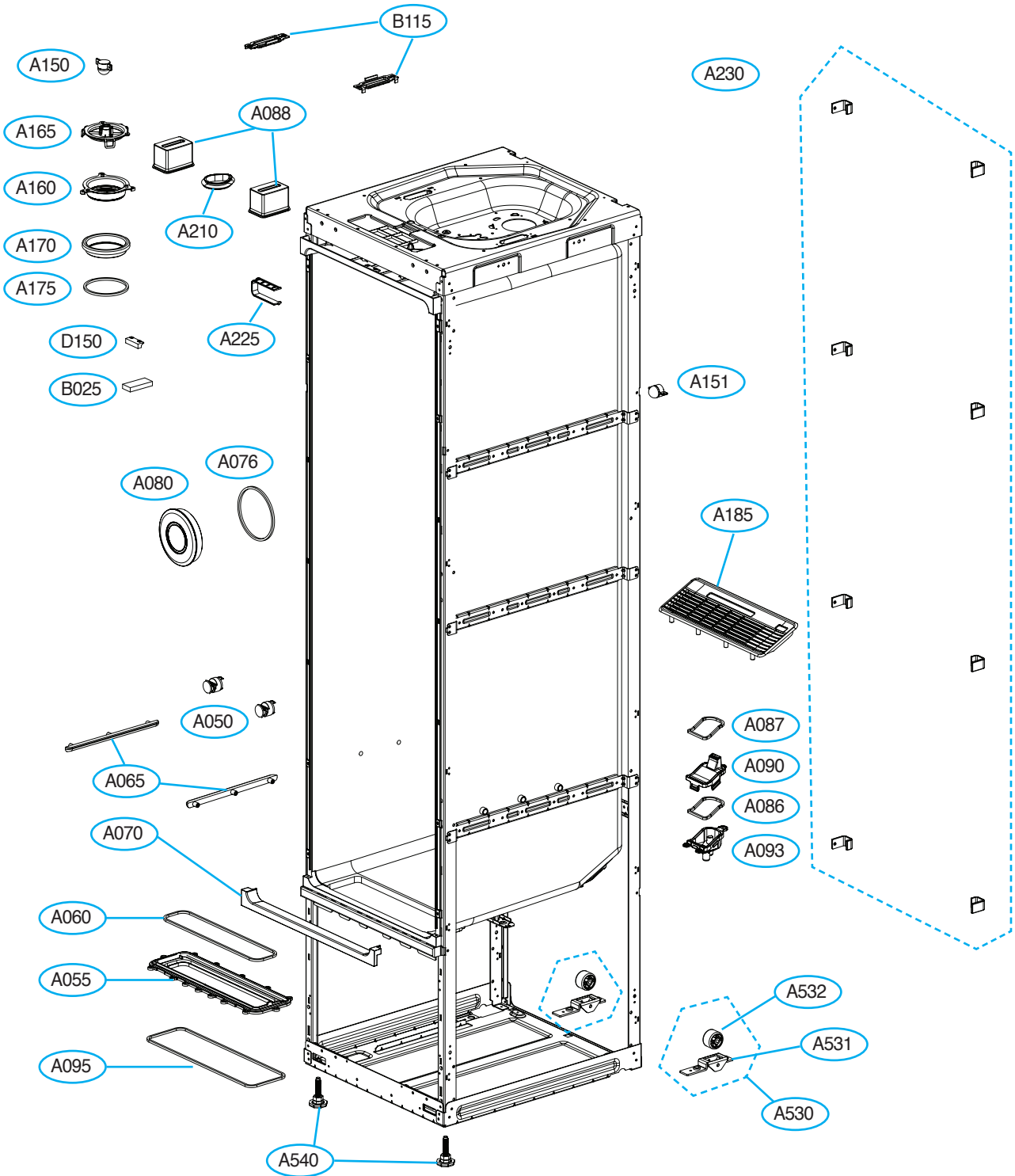
5. Loosen 10 screws and remove the guide cover.

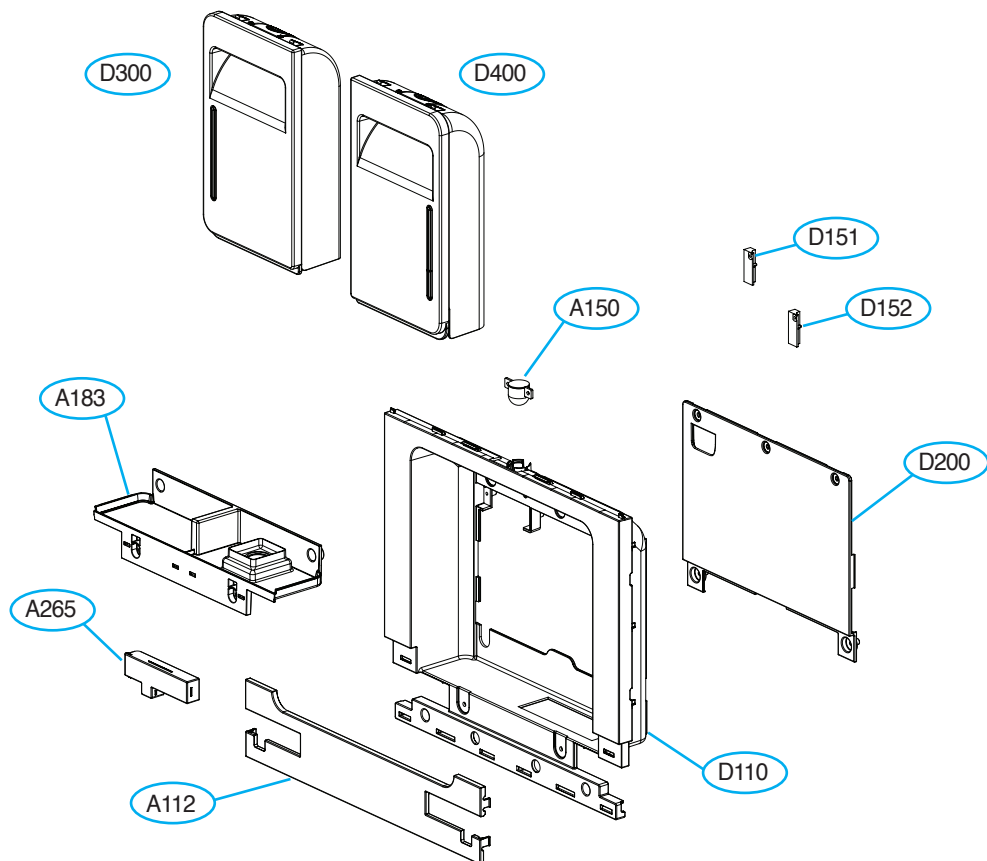
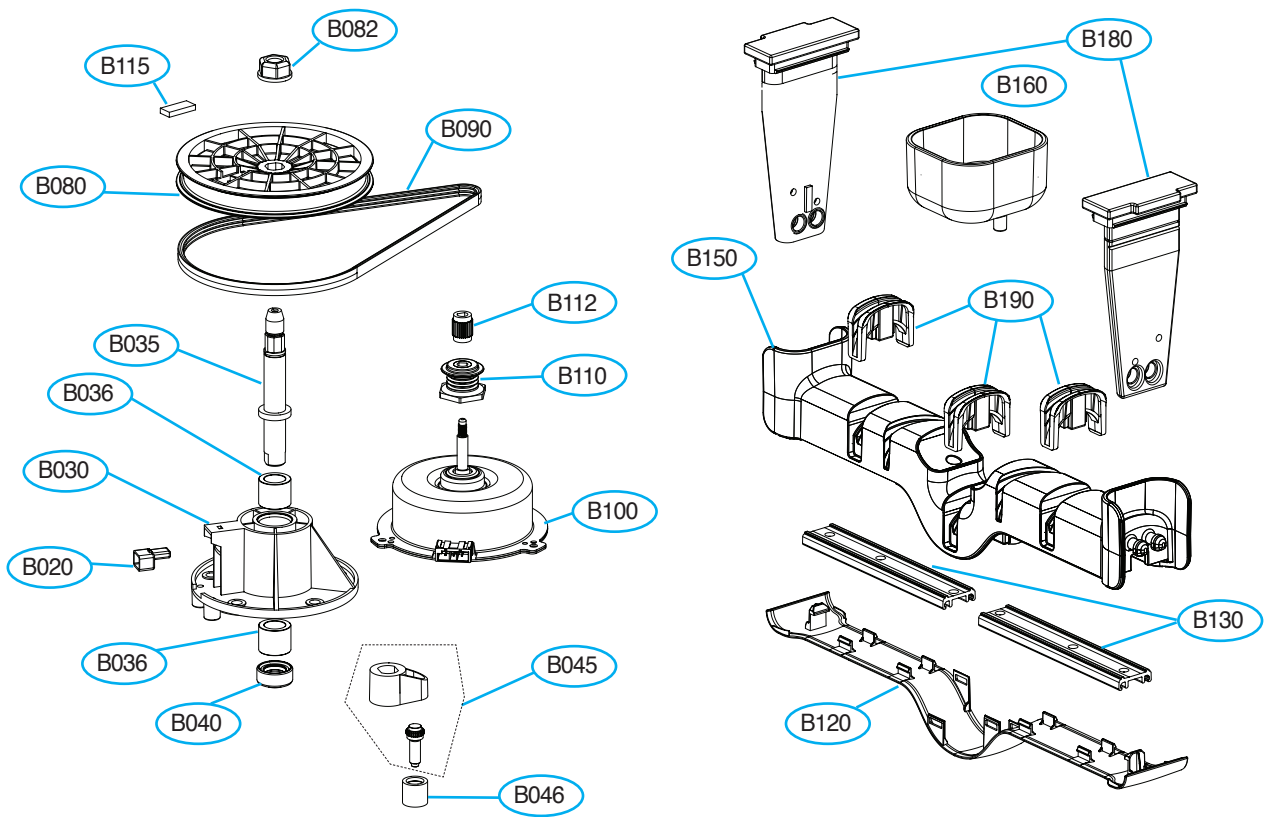
7. Remove 3 connectors.

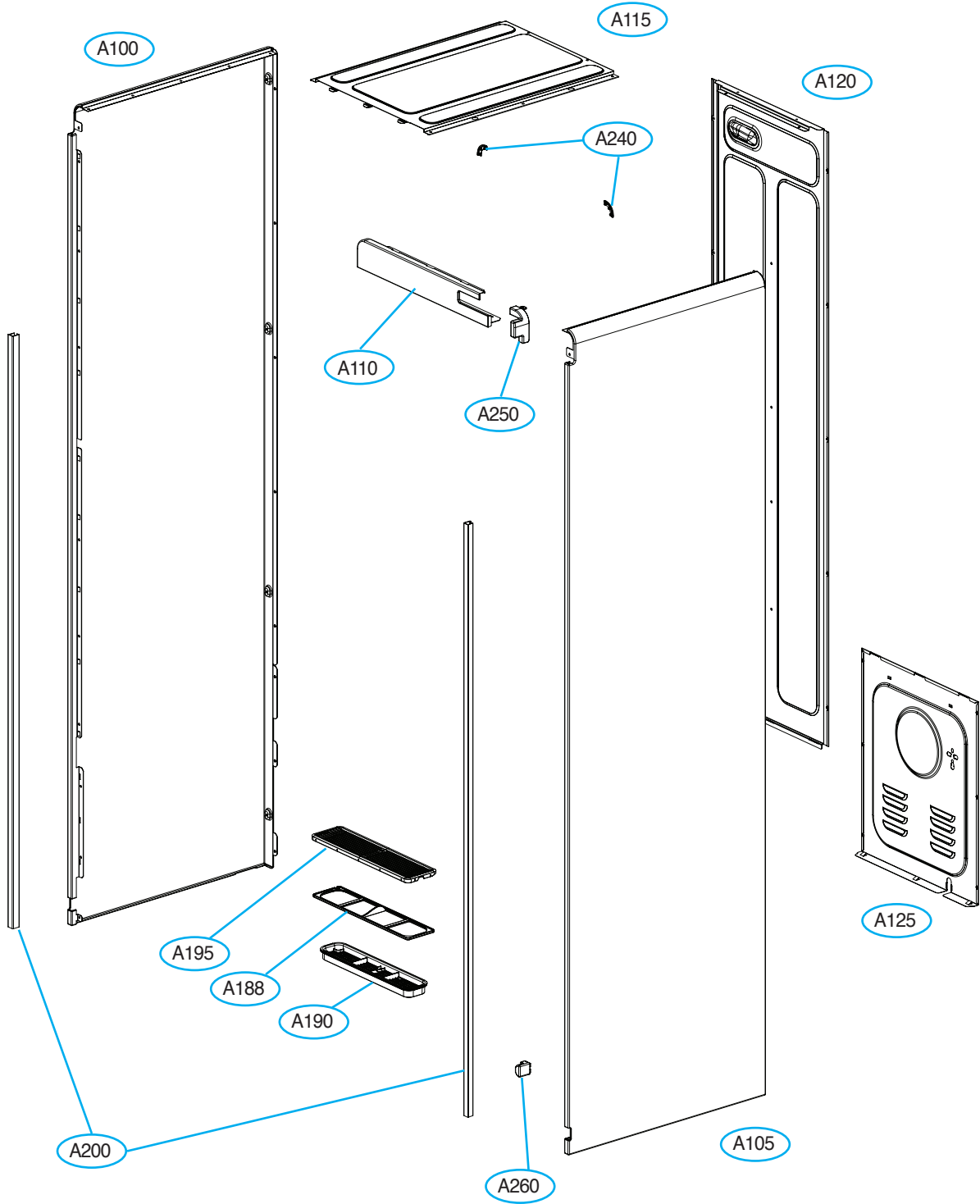
8. Loosen 4 screws and remove the display PCB.

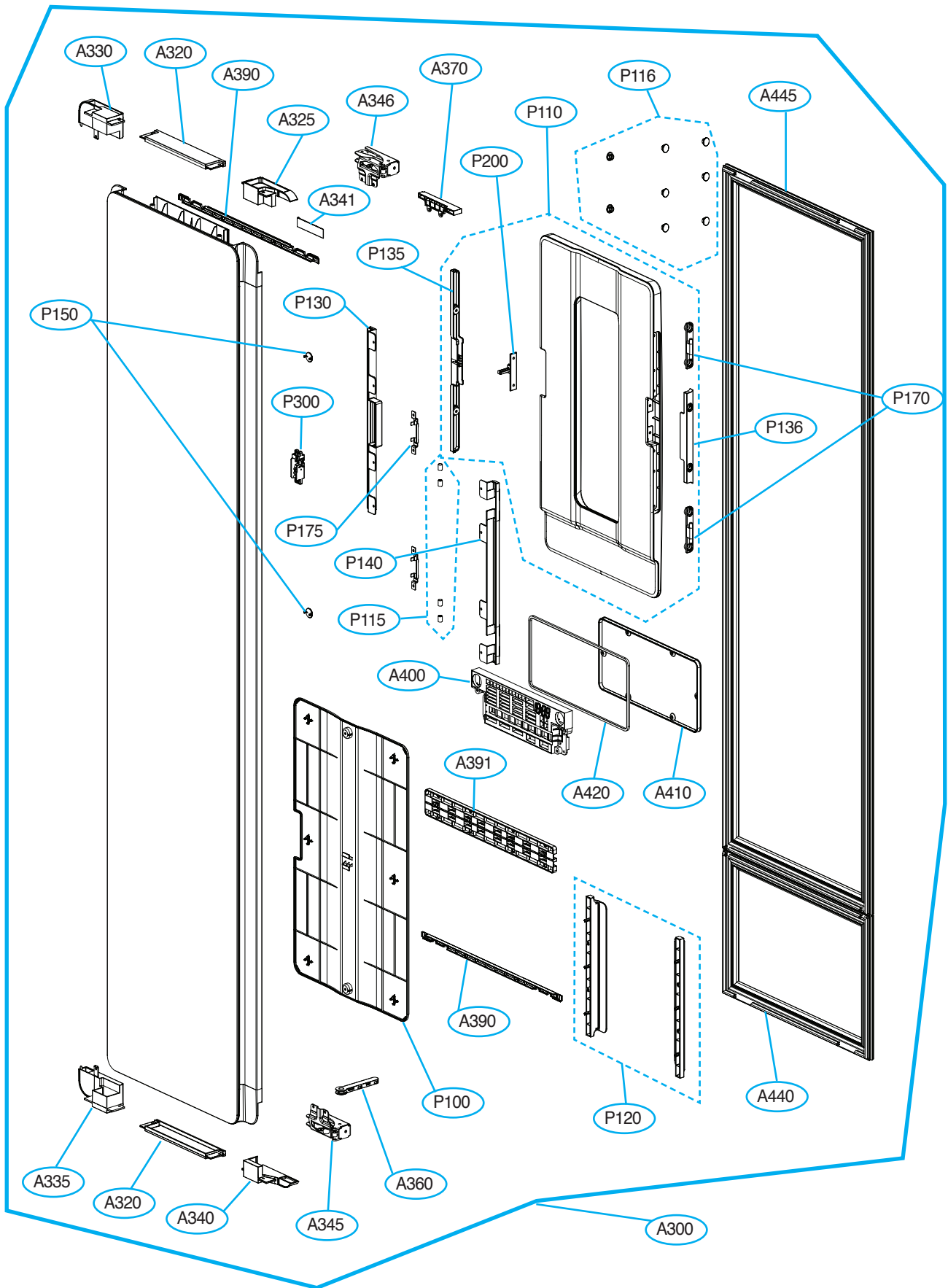
15

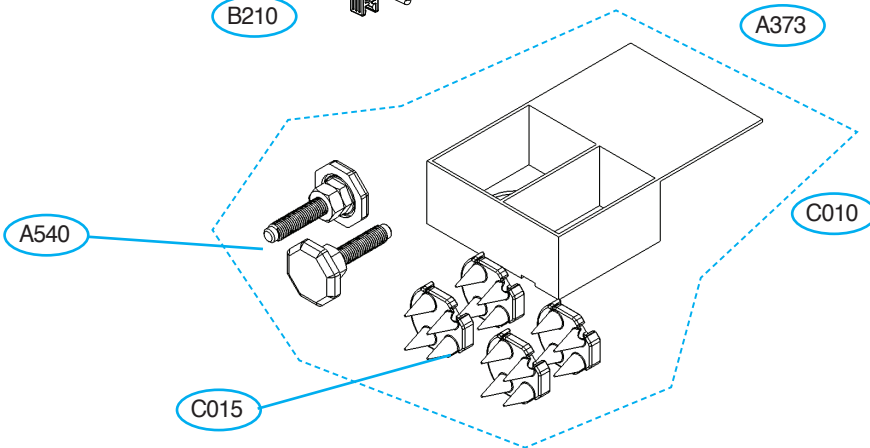
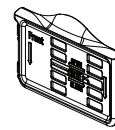
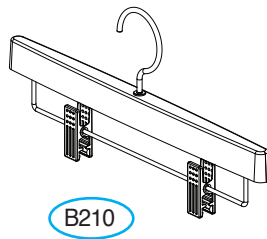
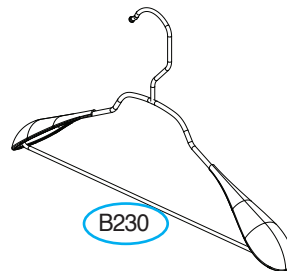
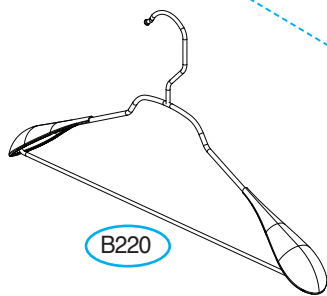
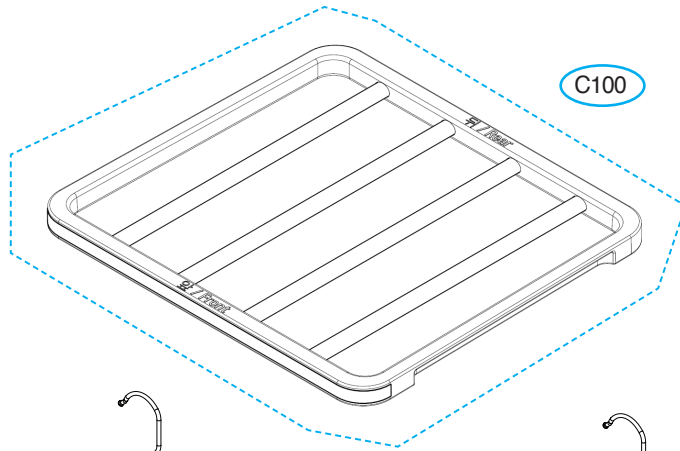
Exploded View and Service Part Number











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Things to Check after Repair

- **If you replaced or repaired any part, be sure to check the followings and conduct test driving (10. refer to the Diagnosis section) to see if the product functions properly.**

1) Checking insulation resistance

Pull out the power cord from the outlet and check the insulation resistance between the power plug and the ground wire of the main body. The resistance should be 2 or above when measured with 550 V DC ohmmeter.

2) Handling internal wirings

Wirings should not touch the rotating part or the sharp edges of the product. Check if the terminals on the connections are fixed properly.

3) Checking leakage

Check if water leaks from the water drain pump or pipes.

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