

# SAMSUNG

## CLOTHES DRYER

Basic Model : DV7450M

Project Name : DV7000R

Model Code : DVE50R5400V/A3  
DVE50R5400W/A3  
DVE50R5200W/A3  
DVG50R5400V/A3  
DVG50R5400W/A3  
DVG50R5200W/A3

# *SERVICE* Manual

### CLOTHES DRYER



DVE50R5400V/A3

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2. Features and Specifications
3. Disassembly and Reassembly
4. Troubleshooting

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# 1. SAFETY INSTRUCTIONS

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## 1-1. CAUTION FOR SAFETY DURING SERVICING

1. Do not allow the customer to repair the product.  
The person may be injured or the product life may be shortened.
2. Execute service after unplugging the power supply unit.  
Be careful of the electric shocks.
3. Do not plug several plugs in the same outlet.  
It may cause a fire due to overheat.
4. Check for damage, pinching or burning of the power plug the outlet.  
Replace it promptly if it has a problem.(It may cause the electric shocks or fire)
5. Do not clean the main body with water.  
It may cause electric shocks and fire and shorten the product life.
6. The wiring harness shall be free from moisture and tightened during serving.  
It shall not be deviated by certain impact.
7. Remove any dust or dirt on the housing section,wiring section,connection section during servicing.  
Protect from possible cause of fire such as the tracking,shortage etc.
8. Check for any marks of moisture on the electrical parts, harness section etc.  
Replace the parts or remove the moisture.
9. Check the assembly status of the parts after servicing.  
Maintain the status before servicing.
10. Pull out the power cord by holding the plug.  
Be careful of electric shocks and when the cord is damaged.
11. Unplug the power plug from the outlet when the dryer is not used.  
Be careful of electric shocks and fire due to the strike of lightning.
12. Do not use or store sprays or flammable materials(including gasoline,alcohol etc.) around the dryer.  
Be careful of explosions or fire due to electric sparks.
13. Do not put bowls of water or wet laundry on the dryer.  
If water has penetrated into the dryer, this may cause electric shocks or fire.
14. Do not install the dryer outside exposed to moisture.  
It may cause electric shocks and fire and shorten the product life.
15. Do not push the control buttons with an awl,pin, or sharp materials.  
It may cause electric shocks and damage.
16. Check the dryer is leveled horizontally and installed properly on the floor.  
The vibration may shorten the product life.
17. Operate time dry for 20 minutes after service and check wheter HE error occurs or not.  
When HC error occurs, check the terminal wiring of compressor.  
It may cause desorption phenomenon of the pin for the wiring of compressor.

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## 1-2. IMPORTANT SAFETY INFORMATION

To avoid risk of fire, electric shock, serious injury, when using your dryer, follow these basic precautions:

1. Read all instructions before using the dryer.
2. Install dryer according to Installation Instructions. Refer to the Grounding Instructions in the Installation Instructions for proper grounding of the dryer.
3. Do not dry articles that have been cleaned in, washed in, soaked in, or spotted with gasoline, drycleaning solvents, or other flammable or explosive substances. Vapors could ignite or explode.
4. Do not use the dryer to dry clothes which have traces of any flammable substance, such as vegetable oil, cooking oil, machine oil, flammable chemicals, thinner, etc., or anything containing wax or chemicals, such as mops and cleaning cloths. Flammable substances may cause the fabric to catch fire by itself.
5. Do not store or use gasoline or other flammable vapors and liquids near this or any other appliance.
6. Do not allow children to play on or in dryer. Close supervision of children is necessary when the dryer is used near children, a safety rule for all appliances.
7. Before the dryer is removed for service or is discarded, remove doors to drying compartment.
8. Do not reach into the dryer if cylinder is rotating.
9. Do not install or store the dryer where it will be exposed to water and/or weather.
10. Do not tamper with dryer controls.
11. Do not repair or replace any part of the dryer or attempt any service, unless specifically recommended in user-maintenance instructions or in published user-repair instructions that you understand and have skills to carry out, if you are a consumer.
12. To reduce risk of electric shock or fire, do not use extension cords or adapters to connect the dryer to electrical power source.
13. Use the dryer only for its intended purpose, drying clothes.
14. Always disconnect the dryer from electrical supply before attempting any service. Disconnect the power cord by holding the plug, not the cord.
15. Do not use heat to dry articles containing foam rubber or similarly textured rubberlike materials.
16. Always clean the lint filter after every load. A layer of lint in the filter reduces drying efficiency and pro longs drying time.
17. Use only fabric softeners or products to eliminate static that are appropriate for automatic dryers.
18. Keep your dryer in good condition. Bumping or dropping the dryer can damage safety features. If damage occurs, have the dryer checked by a qualified service technician.
19. Replace worn power cords and/or loose plugs.
20. Do not tumble fiberglass curtains and draperies unless the label says it can be done. If they are dried, wipe out the cylinder with a damp cloth to remove particles of fiberglass.
21. Always read and follow manufacturers instructions on packages for laundry aids. Heed all warnings or precautions. To reduce risk of poisoning or chemical burns, keep products away from children at all times, preferably, in a locked cabinet.

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22. Never operate the dryer with the guards and/or the panels removed.
23. Do not operate the dryer with missing or broken parts.
24. Do not bypass safety devices.
25. Keep area around the exhaust opening and adjacent surrounding areas free from accumulation of lint, dust, and dirt.
26. Interior of dryer and exhaust duct should be cleaned periodically by qualified service personnel.
27. The dryer will not operate with loading door open. DO NOT bypass the door safety switch by permitting the dryer to operate with door open. The dryer will stop tumbling when the door is opened. Do not use the dryer if it does not stop tumbling when door is opened or starts tumbling without pressing or turning the START mechanism. Stop using the dryer and contact a qualified service technician.
28. Remove laundry immediately after the dryer stops.
29. ALWAYS follow the fabric care instructions supplied by the garment manufacturer.

☒ **Electrical service information**



**WARNING**

To avoid risk of personal injury or death due to electrical shock:

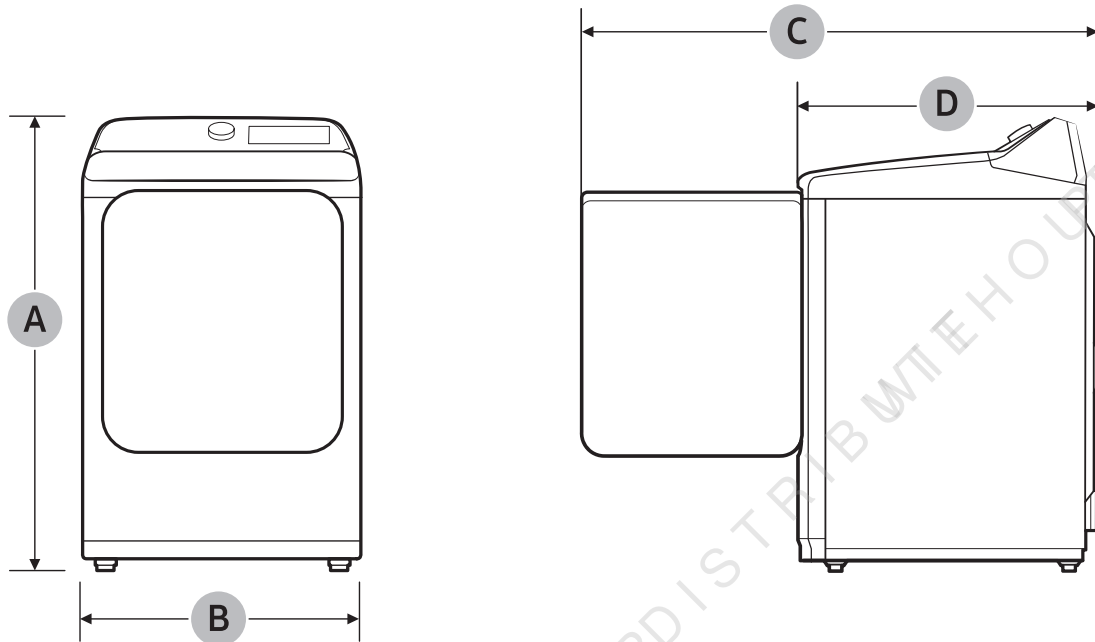
- Observe all local codes and ordinances.
- Disconnect the electrical power to the unit before servicing.
- Ground the appliance properly.
- Check with a qualified electrician if you are not sure this appliance is properly grounded.
- DO NOT ground to a cold water pipe if pipe is interrupted by plastic, nonmetallic gaskets, or other insulating (nonconducting) materials.
- DO NOT modify the plug on the power cord. If plug does not fit electrical outlet, have proper outlet installed by qualified electrician.
- DO NOT have a fuse in the neutral or ground circuit. A fuse in the neutral or ground circuit could result in an electrical shock.
- DO NOT use an extension cord with this appliance.
- DO NOT use an adapter plug with this appliance.
- DO NOT pinch the power cord.

## 2. FEATURES AND SPECIFICATIONS

### 2-1. FEATURES

| Cycle                               | Description                                                                                                                                                                                                                                                                                      |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NORMAL                              | For most fabrics including cottons and linens.<br>If Normal is selected, the Eco Dry function is enabled by default.<br>For more information, see Eco Dry in the “Control panel” section.                                                                                                        |
| HEAVY DUTY                          | For drying items made out of heavy fabrics, such as jeans, corduroys, or work clothes, with high temperature heat.                                                                                                                                                                               |
| BEDDING                             | For bulky items such as blankets, sheets, and comforters.                                                                                                                                                                                                                                        |
| STEAM SANITIZE<br>(DVE(G)50R5200*)  | Use to sanitize items by applying steam and high-temperature heat to the fabric. This cycle can make items soft and reduce smells. Confirm that the laundry load is wet or partially wet before starting this cycle.                                                                             |
| DELICATES                           | For heat-sensitive items at a low drying temperature.                                                                                                                                                                                                                                            |
| PERM PRESS                          | Dry wrinkle-free cottons, synthetic fabrics, knits, and permanent press fabrics automatically.                                                                                                                                                                                                   |
| QUICK DRY                           | A quick drying cycle that runs for 30 minutes.                                                                                                                                                                                                                                                   |
| TIME DRY                            | You can specify a cycle time in minutes.<br>If TIME DRY is selected, the Eco Dry function is enabled by default. For more information, see Eco Dry in the “Control panel” section.                                                                                                               |
| AIR FLUFF                           | Tumbles the load in room temperature air.                                                                                                                                                                                                                                                        |
| WRINKLE RELEASE<br>(DVE(G)50R5200*) | The WRINKLE RELEASE cycle will release wrinkles from items that are clean, dry, and only slightly wrinkled, such as clothes from a crowded closet, suitcase or items that have been in the dryer too long after the cycle has ended. WRINKLE RELEASE can be used with any temperature selection. |
| STEAM SANITIZE+                     | Use to sanitize items by applying steam and high-temperature heat to the fabric. This cycle can make items soft and reduce smells. Confirm that the laundry load is wet or partially wet before starting this cycle.                                                                             |
| REFRESH                             | Use to smooth out wrinkles and reduce odors in loads of one to four items. With this cycle selected, a small amount of water is sprayed into the dryer drum after several minutes of tumbling with heat. Before removing the laundry, confirm that the laundry load is dry.                      |
| WRINKLE AWAY                        | For best results, load 2-3 items at once. You can extend the drying time by a minimum of 20 minutes, depending on the item type or load. Confirm that the laundry load is dry.                                                                                                                   |

## 2-2. PRODUCT DIMENSION

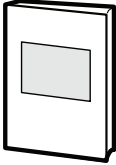


| Type                     |                             |                    | Front Loading Dryer  |
|--------------------------|-----------------------------|--------------------|----------------------|
| Dimensions               | A. Height                   | Product-inches(mm) | 44.4(1127)           |
|                          | B. Width                    | Product-inches(mm) | 27.0 (686)           |
|                          | C. Depth with door open 90° | Product-inches(mm) | 50.1(1273)           |
|                          | D. Depth                    | Product-inches(mm) | 30.3(768)            |
| Water pressure-psl (kPa) |                             |                    | 20 - 116 (137 - 800) |
| NET weight               |                             | lb (kg)            | 119.0 (54.0)         |
| Heater Rating            |                             | Electric (W)       | 5300                 |
|                          |                             | Gas (BTU/hr)       | 20000                |
| Power consumption(W)     |                             |                    | 5400                 |

## 2-3. COMPARING SPECIFICATIONS WITH EXISTING MODELS

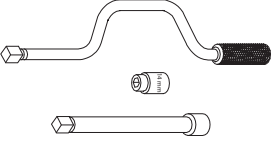
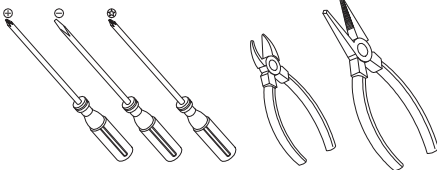
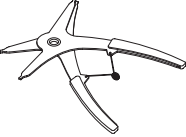
|                            | Project                                                        | DV7450M                                       | DV7000R                                       |                                               |
|----------------------------|----------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
|                            | Model                                                          | DVE(G)50M7450*                                | DVE(G)50R5400*                                | DVE(G)50R5200*                                |
| USP<br>&<br>Features       | Capacity (cu.ft / DOE)                                         | 7.4                                           | 7.4                                           | 7.4                                           |
|                            | Power Resource                                                 | Electric / Gas                                | Electric / Gas                                | Electric / Gas                                |
|                            | Vent Sensor                                                    | -                                             | -                                             | -                                             |
|                            | Vent Blockage Test                                             | Y                                             | Y                                             | Y                                             |
|                            | Steam                                                          | Y                                             | Y                                             | -                                             |
|                            | Smart Control                                                  | -                                             | -                                             | -                                             |
|                            | Smart Care                                                     | Y                                             | Y                                             | Y                                             |
|                            | Drum Material                                                  | Powder Coat(White)                            | Powder Coat(Gray)                             | Powder Coat(Gray)                             |
|                            | E-Star                                                         | -                                             | -                                             | -                                             |
|                            | Reversible Door                                                | Y                                             | Y                                             | Y                                             |
|                            | Drying Rack                                                    | -                                             | -                                             | -                                             |
|                            | Filter Check Indicator                                         | Y                                             | Y                                             | Y                                             |
|                            | Vent Exhaust (Electric / Gas)                                  | 4 Way / 3 Way                                 | 4 Way / 3 Way                                 | 4 Way / 3 Way                                 |
|                            | Heating Element (KW)                                           | 5300W /<br>22,000 BTU /Hr                     | 5300W /<br>20,000 BTU /Hr                     | 5300W /<br>20,000 BTU /Hr                     |
|                            | Cycle Time (AHAM 8lbs)<br>*( ) - Gas model / Elec. Eco Dry off | 75(42) min                                    | 42 min                                        | 42 min                                        |
| Design                     | Control panel                                                  | In-Mold                                       | Silk Print + In-Mold                          | Silk Print + In-Mold                          |
|                            |                                                                | Tact                                          | Touch                                         | Touch                                         |
|                            | Main display                                                   | 18:88 G.LED                                   | 18:88 G.LED                                   | 18:88 G.LED                                   |
|                            | LED color                                                      | Ice Blue                                      | Ice Blue                                      | Ice Blue                                      |
|                            | Door                                                           | Transparent                                   | Transparent                                   | Transparent                                   |
| Energy<br>&<br>Performance | DOE Combined Energy Factor<br>(CEF, lb/kWh, Appendix D1/D2)    | 3.73 (lb/kWh)-Elec<br>3.3 (lb/kWh)-Gas        | 3.73 (lb/kWh)-Elec<br>3.3 (lb/kWh)-Gas        | 3.73 (lb/kWh)-Elec<br>3.3 (lb/kWh)-Gas        |
|                            | Voltage / Frequency                                            | 120V/ 240V / 60Hz (Elec)<br>120V / 60Hz (Gas) | 120V/ 240V / 60Hz (Elec)<br>120V / 60Hz (Gas) | 120V/ 240V / 60Hz (Elec)<br>120V / 60Hz (Gas) |
|                            | Energy Guide<br>(kWh/cycle // Liter/cycle)                     | Electric - 2.4 Kwh<br>Gas - 270 liter ↓       | Electric - 2.4 Kwh<br>Gas - 270 liter ↓       | Electric - 2.4 Kwh<br>Gas - 270 liter ↓       |
|                            | Yearly Energy Consumption<br>(kWh/year)                        | 644 kWh/year (Elec)                           | 644 kWh/year (Elec)                           | 644 kWh/year (Elec)                           |

## 2-4. OPTIONS SPECIFICATIONS

| Item                                                                              |                  | Code        | QTY | Remarks |
|-----------------------------------------------------------------------------------|------------------|-------------|-----|---------|
|  | MANUAL-BOOK      | DC68-03784D | 1   | Default |
|  | Y connector      | DC67-00324A | 1   |         |
|  | Short Water Hose | DC97-15249A | 1   |         |

### 3. DISASSEMBLY AND REASSEMBLY

#### 3-1. TOOLS FOR DISASSEMBLY AND REASSEMBLY

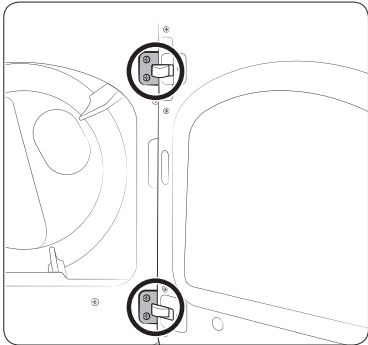
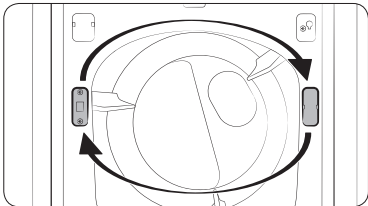
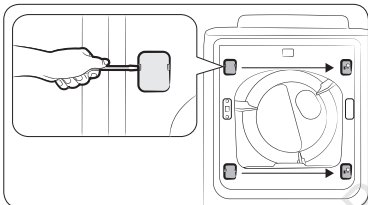
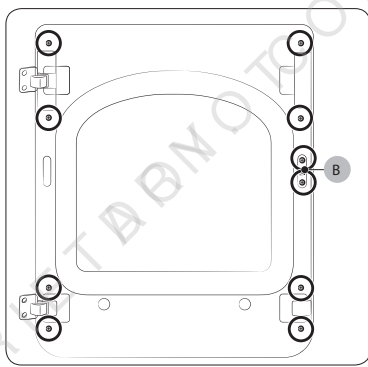
| Tool                                                                                | Type                                                    | Remarks                                                               |
|-------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------|
|    | 14 mm                                                   | Fan (2)                                                               |
|    | Vice pliers                                             | Tool to protect the idle and abrasion of the bolt for the box driver. |
|    | Other<br>(Driver, Diagonal Cutter,<br>Long Nose Pliers) | General tools for the after service.                                  |
|   | Jig                                                     | The tool for disassembling the fan on the back.                       |
|  | C-Ring Jig                                              | Ease insertion and separation of C-Ring.                              |

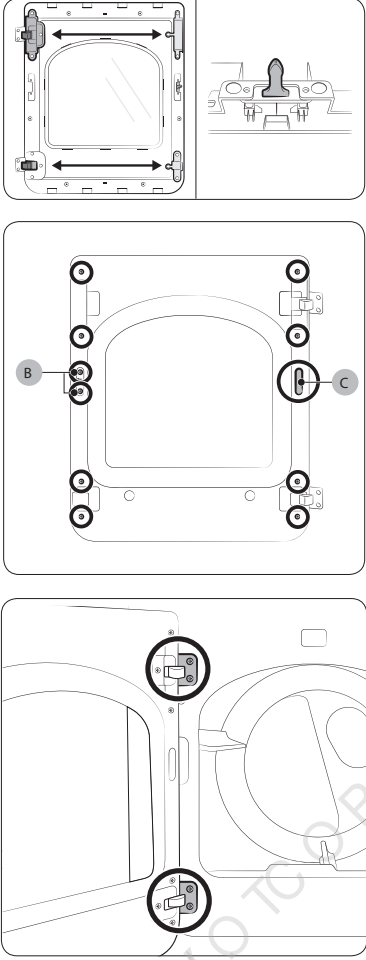
### 3-2. STANDARD DISASSEMBLY DRAWINGS

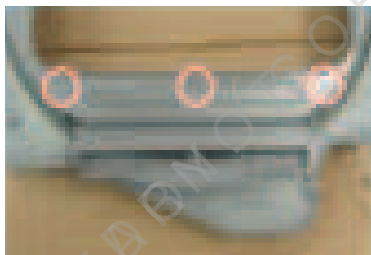
⚠ To avoid risk of electrical shock, personal injury or death, disconnect the power to the Clothes Dryer.

- This is a standard disassembly diagram and may differ from the actual product.  
Use this material as a reference when disassembling and reassembling the product.

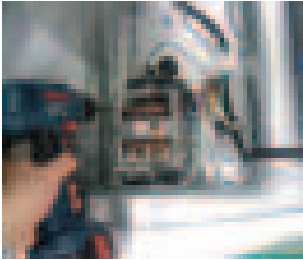
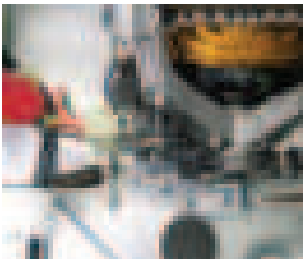
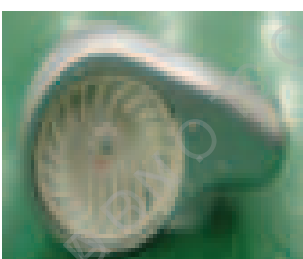
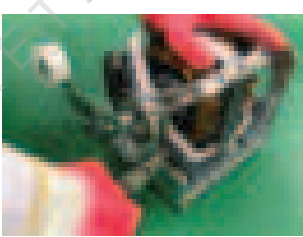
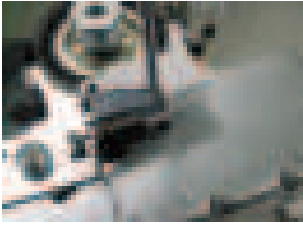
| Part Name     | Figure                                                                             | Description                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control Panel |   | <ol style="list-style-type: none"><li>1. Unplug the unit.</li><li>2. Remove 2 screws from the Cover Panel.</li><li>3. Unplug 2 housing.</li><li>4. Remove the Control Panel.</li></ol>                                                                                                                                                                                                                   |
| Cover Top     |  | <ol style="list-style-type: none"><li>1. Unplug the unit.</li><li>2. Remove the Control Panel.</li><li>3. Remove 1 screw from the Cover PCB.</li><li>4. Remove the housings.</li><li>5. Remove the Cap-Cover Top and 2 screws from the Bracket Cover Top.</li><li>6. Slide the Cover Top towards the front and lift from the unit.</li></ol> <p>✎ Scratch and impact to the Cover Top is prohibited.</p> |

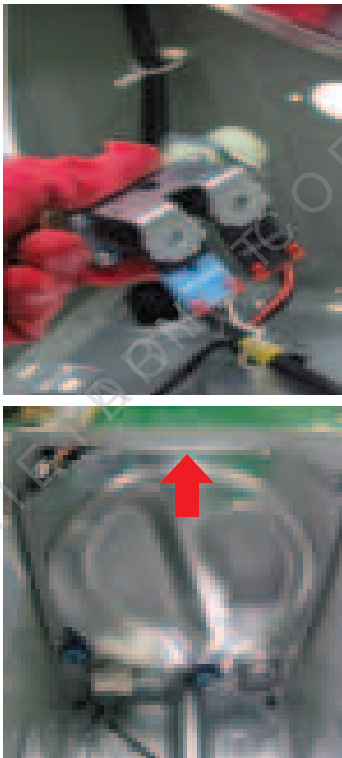
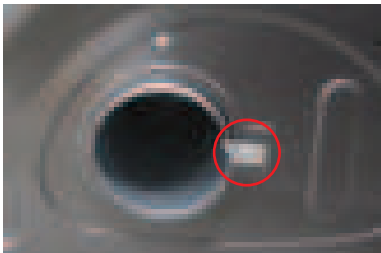
| Part Name     | Figure                                                                                                                                                                                                                                                                                                                                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Door Reversal |     | <ol style="list-style-type: none"> <li>1. Unplug the power cord of the dryer.</li> <li>2. Remove the four hinge screws from the door, and then remove the door by lifting it up slightly.</li> <li>3. Remove the two screws from the lever holder, and then remove the holder cover.</li> <li>4. Put the lever holder on the other side as shown, and then tighten the screws. Install the holder cover on the opposite side as shown.</li> <li>5. Use a flat-head screwdriver to remove the two hinge covers from the original side. Install the hinge covers on the opposite side as shown.</li> <li>6. Locate and remove the 10 screws as shown. Note that screw B (x2) is longer than the others.</li> </ol> |

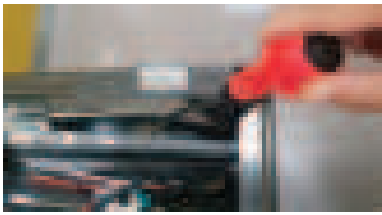
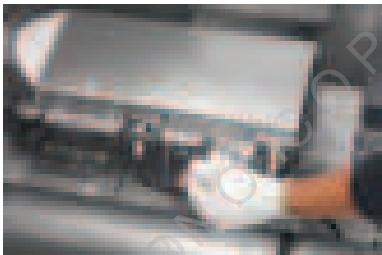
| Part Name     | Figure                                                                              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Door Reversal |   | <ol style="list-style-type: none"> <li>Remove the glass holder, and switch the positions of : <ol style="list-style-type: none"> <li>the hinge cover and the door handle.</li> <li>the hinge holder and the glass-guide holder.</li> </ol> </li> <li>Remove the door lever, and then move it to the other side as shown.</li> <li>Remove the hole cover (C), and then insert and tighten the glass holder using the removed 10 screws.</li> <li>Install the hole cover on the opposite side as shown.</li> <li>Reinstall the door on the front frame, and then carefully insert and tighten the 4 hinge screws.</li> </ol> |
| Frame Front   |  | <ol style="list-style-type: none"> <li>Unplug the unit.</li> <li>Remove Control Panel.</li> <li>Remove Cover Top.</li> <li>Remove 3 screws from the Plate(U).</li> <li>Remove 3 screws from the Frame Front.</li> <li>Separate Door-Switch Housing.</li> <li>Lift and Frame Front off the 3 tabs across the bottom and remove. <ul style="list-style-type: none"> <li>After reassembly check Frame Front fixed on the Frame well, and Door-Switch work properly.</li> </ul> </li> </ol>                                                                                                                                    |

| Part Name       | Figure                                                                                                                                                                                                                                                                                                                                                                                                                             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Drum Front      |                                                                                                                                                                                                                                                                  | <ol style="list-style-type: none"> <li>1. Unplug the unit.</li> <li>2. Remove Top Cover.</li> <li>3. Remove Control Panel.</li> <li>4. Remove Frame Front.</li> <li>5. Remove Plate(U)</li> <li>6. Remove Drum Front retaining 5 screws.</li> <li>7. Disconnect Moisture Sensor Wiring Harness.</li> <li>8. Lift Drum Front from Cabinet and remove</li> </ol>                                                                                                                                                        |
| Moisture Sensor |      | <ol style="list-style-type: none"> <li>1. Unplug the unit.</li> <li>2. Remove Top Cover.</li> <li>3. Remove Control Panel.</li> <li>4. Remove Frame Front.</li> <li>5. Remove 2 screws from the Duct Outlet.</li> <li>6. Remove 3 screws from the Case Filter(F).</li> <li>7. Remove 1 fixing screws from the Case Filter(B).</li> <li>8. Disconnect 2 Housing Sensor-Plate. <ul style="list-style-type: none"> <li>☑ After reassembly check the Touch Sensor work properly through test mode.</li> </ul> </li> </ol> |

| Part Name                                         | Figure                                                                              | Description                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Drum                                              |   | <ol style="list-style-type: none"> <li>1. Disconnect Power Supply to Unit.</li> <li>2. Remove Top Cover, Console, Front Panel, Plate(u), Drum Front.</li> <li>3. Remove Belt.</li> <li>4. Lift Drum and Pull out. <ul style="list-style-type: none"> <li>☑ Carefully spread the cabinet as needed to get extra clearance. But, take care not to deform the cabinet.</li> </ul> </li> </ol> |
| Front & Rear Roller<br>(After removing Drum Back) |  | <ol style="list-style-type: none"> <li>1. After remove Holder-Shaft, separate each Roller.</li> </ol>                                                                                                                                                                                                                                                                                      |

| Part Name    | Figure                                                                              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Motor/Blower |    | <ol style="list-style-type: none"> <li>1. After remove Drum, do the following.</li> <li>2. Remove the 2 screws from Duct Connector.</li> <li>3. Separate Duct Connector.</li> <li>4. Remove 1 Housing Motor.</li> <li>5. Remove 2 Housing Belt Cut. Off Switch.</li> <li>6. Remove 3 Screw from Motor-Bracket.</li> <li>7. Separate Assy Motor in Bottom Plate.</li> <li>8. Lock Blower Wheel with a screwdriver and separate the 14mm nut from Fan.</li> <li>9. Remove Blower Fan.</li> <li>10. Remove the three screws from Cover-Duct Fan.</li> <li>11. Remove 2 Spring Plate Using a long-nose plier.</li> <li>12. Remove 1 Screw Belt Cut Off Switch.</li> <li>13. Remove Holder Shaft and Roller-Idler.</li> </ol> <p><input checked="" type="checkbox"/> After reassembly check the Motor work properly.</p> |
|              |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

| Part Name    | Figure                                                                              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Burner       |    | <ol style="list-style-type: none"> <li>1. After the knock-down to Motor/Assy-Motor, do the following.</li> <li>2. Shut off gas supply.</li> <li>3. Disconnect gas pipe.</li> <li>4. Remove all the connectors.</li> <li>5. Remove two screws (one at the front and the other one at the back) securing Burner to Frame.<br/> <input checked="" type="checkbox"/> The Igniter Bar is easy to fragile. So, take care when removing Burner Assy.</li> <li>6. Remove the two screws attaching the housing to Burner Bracket.</li> <li>7. Remove Burner Assy from the unit.</li> </ol> |
| Drum Back    |   | <ol style="list-style-type: none"> <li>1. Remove 7 screws at the back of the unit and 2 screws at the Valve-Water.</li> <li>2. Separate the Cover-Valve.</li> <li>3. Remove the terminal from the valve-Water.</li> <li>4. Separate Assy-Drum Back in Frame.</li> </ol>                                                                                                                                                                                                                                                                                                           |
| Duct Exhaust |  | <ol style="list-style-type: none"> <li>1. After separate Assy-Drum Back, do the following.</li> <li>2. Remove 1 screw from the Frame.</li> <li>3. Remove the Duct-Exhaust.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                             |

| Part Name                                                | Figure                                                                                                                                                                                                                                                            | Description                                                                                                                                                                                                                                 |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Thermistor                                               |                                                                                                                                                                                  | <ol style="list-style-type: none"> <li>1. Unplug the unit.</li> <li>2. Remove Top Cover.</li> <li>3. Remove 1 screw from the Assy Drum Back.<br/> <input checked="" type="checkbox"/> To remove the screw, use long tools.</li> </ol>       |
| Sensors<br>(Thermostat,<br>Thermistor,<br>Radiant/Flame) | <br><br>      | <ol style="list-style-type: none"> <li>1. Remove each securing screws to remove each of the sensors.</li> </ol> <p>For differences between Gas and Electric.</p>                                                                            |
| Heater                                                   | <br><br> | <ol style="list-style-type: none"> <li>1. After separate Motor, Duct-Fan, do the following.</li> <li>2. Remove 6 Housing Heater-Terminals.</li> <li>3. Remove 2 screw from Heater Die.</li> <li>4. Separate Heater in Drum-Back.</li> </ol> |

☒ Reassembly procedures are in the reverse order of disassembly procedures.

## 4. TROUBLESHOOTING

### 4-1. INFORMATION ITEMS AND DIAGNOSTIC CODES

An occurrence of an Error will make a sound of error melody for 5sec and continuously show one of the Error Displays.

| Information Code | Meaning                                                | Action                                                                                                                                                                          |
|------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| tC               | The thermistor1 resistance is very low or high.        | <ul style="list-style-type: none"><li>• Check for a clogged lint screen.</li><li>• Check if the vent system is restricted.</li><li>• Check the thermistor resistance.</li></ul> |
| tC5              | The thermistor2 resistance is very low or high.        | <ul style="list-style-type: none"><li>• Check for a clogged lint screen.</li><li>• Check if the vent system is restricted.</li><li>• Check the thermistor resistance.</li></ul> |
| dC               | The dryer is running with the door open.               | <ul style="list-style-type: none"><li>• Close the door, and run the dryer again.</li><li>• Check if the door sensor unit is loose or short.</li></ul>                           |
| dF               | Incorrect door switch.                                 | <ul style="list-style-type: none"><li>• Check if the door sensor unit is loose or short.</li></ul>                                                                              |
| bC2              | Incorrect button state.                                | <ul style="list-style-type: none"><li>• Check if the display PCB is loose or short.</li></ul>                                                                                   |
| FC               | Invalid power source frequency.                        | <ul style="list-style-type: none"><li>• Check if you are using regular power source frequencies.</li><li>• Check the power frequency sensor circuit.</li></ul>                  |
| 9C1              | Electronic control problem.<br>(Invalid Voltage).      | <ul style="list-style-type: none"><li>• Check the PCB and wire harness.</li><li>• Check if power is supplied properly.</li></ul>                                                |
| AC               | Electronic control problem.<br>(Invalid Communication) | <ul style="list-style-type: none"><li>• First check the PCB and wire harness.</li><li>• Replace the PCB if the problem persists.</li></ul>                                      |
| HC               | Invalid heating Temp in running the dryer.             | <ul style="list-style-type: none"><li>• Check the PCB and Thermistor.</li></ul>                                                                                                 |

---

## 4-2. SPECIAL FEATURES

### 4-2-1. Child Lock

- Child Lock prevents children from playing with the dryer. When Child Lock is activated, all buttons except for the Power button are disabled.
- To activate/deactivate Child Lock, simultaneously press and hold Dryness and Temp. for 3 seconds.

 **NOTE**

Once Child Lock is activated, it will remain active even after you restart the dryer. If other buttons, except for the Power button, do not respond, check the Child Lock indicator. If the indicator is on, follow the instructions above to turn Child Lock off.

### 4-2-2. Smart Care

To enable this function, you must first download the SmartThings app at the Play Store or the App Store and install it on a mobile device featuring a camera function. The Smart Care function has been optimized for Galaxy & iPhone series (applicable models only).

1. When the dryer detects an issue to check, an information code appears on the display.  
To enter Smart Care mode, press and hold Wrinkle Prevent for 3 seconds.
2. The dryer starts the self-diagnosis procedure and displays an information code if a problem is detected.
3. Run the SmartThings app on your mobile device, and then tap Smart Care.
4. Put the mobile device close to the dryer's display so that the smartphone camera and the dryer face each other.  
Then, the information code will be recognized automatically by the app.
5. When the information code is recognized correctly, the app provides detailed information about the problem with applicable solutions.

 **NOTE**

- The function name, Smart Care, may differ depending on the language.
- If light is reflected off the dryer's display, the app may fail to recognize the information code.
- If the app fails to recognize the information code, you can enter the code manually in the app.

### 4-2-3. Alarm off

You can turn the alarm on or off. When the alarm is off, the melody of cycle completion and the power-off beep will not sound. However, the other sounds stay active.

- Press and hold Drum Light for 3 seconds to turn the alarm on or off.
- Your setting will be retained even after you turn off the dryer. You can turn the alarm back on by pressing and holding the same button for 3 seconds.

### 4-2-4. Drum Light

Press to turn on or off the interior lamp.

 **NOTE**

- The lamp stays lit for 2 minutes (regardless if the power is on/off or if the door is open/ closed) after it has turned on, and then turns off automatically.

---

#### 4-2-5. CLEANING

##### ■ Feature Panel

- Clean with a soft, damp cloth. Do not use abrasive substances.
- Do not spray liquid cleaning agents directly on the display of the dryer.
- Some laundry pre-treatment soil and stain removers may damage the feature panel.
- When using liquid cleaning agents, apply them to the cleaning cloth. Do not apply them directly to the dryer. Wipe up any spills or overspray immediately.

##### ■ Tumble

- Remove any stains from the tumbler with an all-purpose cleaner.
- Tumble old towels or rags to remove any remaining stains or cleaning substances. Stains may still be visible, but will not affect subsequent loads.

##### ■ Powder Coat Tumbler

- To clean the powder coat tumbler, use a damp cloth with a mild, non-abrasive cleaner suitable for easily marred surfaces. Remove cleaner residue and dry with a clean cloth.

##### ■ Dryer Exterior

- Clean with a soft, damp cloth. Do not use abrasive substances.
- Protect the surface from sharp objects.
- Do not place any heavy or sharp objects or a detergent container on the dryer. They can scratch or damage the top cover of the dryer.
- The dryer has a high-gloss finish on the entire surface. Be careful not to scratch or damage the surface.

##### ■ Exhaust System

- Check and clean the exhaust system on a yearly or regular basis to maintain optimum performance.
- The external exhaust hood must be cleaned more frequently to ensure proper air flow

#### 4-2-6. Error Recall

- Error Recall mode reminds users of the last error that was detected.
- To Enter Error Recall mode Press and hold the model-specific buttons for 8 seconds as specified below.

DVE(G)50R5400\*/5200\* :  
**Dryness + Wrinkle Prevent**

In Error Recall mode, the last error that was detected appears. If no error has been found, nothing is displayed.

---

#### 4-2-7. Smart Install

- Smart Install allows service personnel to check if the dryer is installed properly.

##### ■ To enter Smart Install

Turn on the dryer, and press and hold the Adjust **Time Up + Temp. buttons for 7 seconds**. A message of “SC” appears.

##### ■ Step 1. Check the touch sensor

Enter Smart Install mode, and open the door. The state of the touch sensor appears.

- **0** : Touch sensor open

- **1** : Touch sensor short

Put a wet cloth on the touch sensor to display “1”. Removing the cloth displays “0”.

##### ■ Step 2. Check the motor and heater

Press the **Start** button to enter the diagnosis mode. The diagnosis result appears.

- **OK** : Both motor and heater work normally

- **HC** : Motor or heater doesn't work normally

To exit Smart Install mode, turn off the dryer.

### 4-3. TROUBLE DIAGNOSIS

As the micom dry machine is configured for the complicate structure, there might be a service call.  
The below information is prepared for exact trouble diagnosis and suitable repair guide.

#### ☒ Caution for the repair and replacement

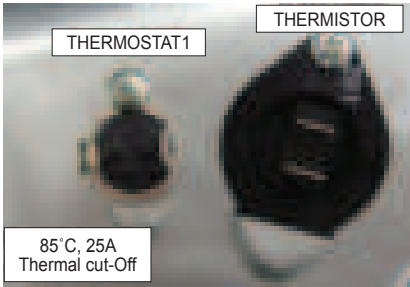
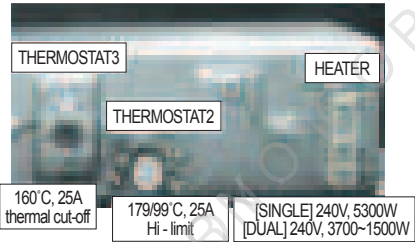
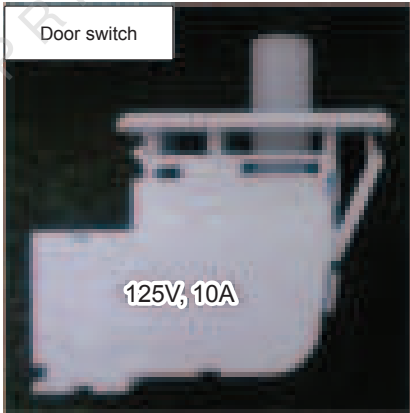
**Please follow below instruction before troubleshooting diagnosis and parts replacement.**

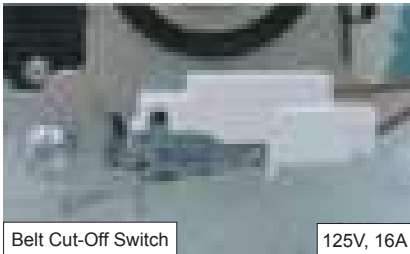
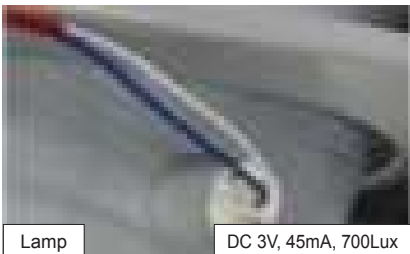
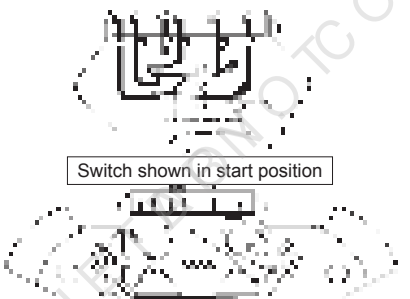
1. As some electronic components can be damaged by static electricity from the resin part of dryer or the human body, remove the potential difference of the human body and the dryer by contacting the power cord plug before you start working at PCB.
2.  Danger High voltage, Before commencing with tests or any repair activity the appliance must be disconnected from the supply, Once the appliance has been isolated protection must be provided to prevent the appliance becoming live during testing and repair.
3. Before replacing a PCB ensure all trouble shooting steps have been completed and if possible verified using HASS diagnostics.

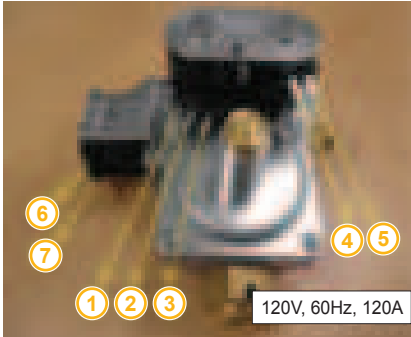
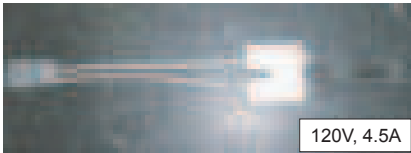
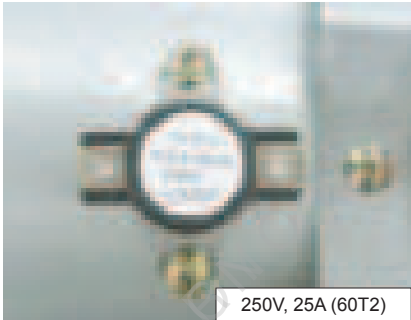
| Problem        | What to do                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Does not run.  | <ul style="list-style-type: none"><li>• Make sure the door is latched shut.</li><li>• Make sure the power cord is plugged into a live electrical outlet.</li><li>• Check your home's circuit breakers or fuses.</li><li>• Press or tap Start/Pause (Hold to Start) again if the door was opened during a cycle.</li><li>• Clean the lint filter.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Does not heat. | <ul style="list-style-type: none"><li>• Check your home's circuit breakers or fuses.</li><li>• Some cycles do not require heat. Check the selected cycle again.</li><li>• For a gas dryer, make sure the gas supply is on.</li><li>• Clean the lint filter and exhaust duct.</li><li>• The dryer may have moved into the cool-down phase of the cycle.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Does not dry.  | <ul style="list-style-type: none"><li>• Check all of the above, plus.</li><li>• Make sure the exhaust hood outside your home can open and close freely.</li><li>• Check the exhaust system for lint buildup. Ducting should be inspected and cleaned annually.</li><li>• Use a "4" rigid metal exhaust duct.</li><li>• Do not overload. 1 wash load = 1 dryer load.</li><li>• Dry heavy items and light weight items separately.</li><li>• Large, bulky items, such as blankets or comforters, may require repositioning to ensure even drying.</li><li>• Make sure that your washer is draining properly and extracting adequate water from the load.</li><li>• The load may be too small to tumble properly. Add a few towels and restart the dryer.</li><li>• The load may be too large to tumble properly. Remove some items and restart the dryer.</li><li>• Clean the lint filter.</li><li>• Turn off the Eco Dry option for the NORMAL or TIME DRY cycles. When the Eco Dry option is on, the dryer performs an air dry process in the beginning of the cycle to reduce energy consumption. The air dry process does not use heated air, so the items may not be completely dry at the end of the cycle.</li></ul> |
| Is noisy.      | <ul style="list-style-type: none"><li>• Check the load for objects such as coins, loose buttons, nails, etc. Remove promptly.</li><li>• It is normal to hear the dryer gas valve or heating element cycle on and off during the drying cycle.</li><li>• Make sure the dryer is leveled properly as outlined in the installation instructions.</li><li>• It is normal for the dryer to hum due to the high velocity of air moving through the dryer drum, fan, or exhaust system.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| Problem                                                                     | What to do                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dries unevenly.                                                             | <ul style="list-style-type: none"> <li>Seams, pockets, and other similarly heavy areas may not be completely dry when the rest of the load has reached the selected dryness level. This is normal. You can choose a higher dryness level or a cycle that involves a higher dryness level.</li> <li>If one heavy item is dried with a light weight load, such as one towel with sheets, it is possible that the heavy item will not be completely dry when the rest of the load has reached the selected dryness level.</li> <li>For the best drying results, dry heavy items and light weight items separately.</li> </ul> |
| Has odors.                                                                  | <ul style="list-style-type: none"> <li>Household odors from paint, varnish, strong cleaners, etc. may enter the dryer with the surrounding room air. This is normal as the dryer draws the air from the room, heats it, pulls it through the tumbler, and exhausts it outside.</li> <li>When these odors linger in the air, completely ventilate the room before using the dryer.</li> <li>Use a cycle featuring the Refresh function. If odors persist, wash and dry the items again.</li> </ul>                                                                                                                          |
| Lint on clothes.                                                            | <ul style="list-style-type: none"> <li>Make sure the lint filter is cleaned before every load. For clothes that naturally build up lint, clean the filter during the cycle.</li> <li>Some fabrics are lint producers (for example, a fuzzy white cotton towel) and they must be dried separately from clothes that are lint trappers (for example, a pair of black linen pants).</li> <li>Divide larger loads into smaller loads for drying.</li> <li>Check pockets thoroughly before drying, then dry clothes.</li> <li>Remove lint inside the drum before drying a load.</li> </ul>                                      |
| Items still wrinkled after Wrinkle Prevent (Wrinkle Away, Wrinkle Release). | <ul style="list-style-type: none"> <li>Small loads of 1 to 4 items work best.</li> <li>Load fewer items. Load similar-type items.</li> <li>Take out the items immediately after drying is complete.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                             |
| Water drips from the nozzle when the Steam cycles starts.                   | <ul style="list-style-type: none"> <li>This is steam condensation.</li> <li>The dripping water will stop after a short time.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sprayed water is not visible during Steam cycles.                           | <ul style="list-style-type: none"> <li>Sprayed water is difficult to see when the door is closed.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Extended time.                                                              | <ul style="list-style-type: none"> <li>Sensor Dry automatically senses the moisture in the load and shuts the dryer off when the selected dryness level is reached. The drying time can change according to the type and amount of laundry. See the cycle chart for reference.</li> </ul>                                                                                                                                                                                                                                                                                                                                  |

#### 4-4. COMPONENT TESTING PROCEDURES

| Part Name                | Image                                                                               | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electric                 |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Thermistor<br>Thermostat |    | <ul style="list-style-type: none"> <li>Thermistor resistance 10K <math>\Omega</math> @ 25°C (77°F)</li> <li>Thermostat 1 resistance &lt; 1<math>\Omega</math></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Thermostat<br>heater     |  | <ul style="list-style-type: none"> <li>Thermostat 3 resistance &lt; 1<math>\Omega</math><br/>- If resistance is infinite, replace thermostat 3.</li> <li>Thermostat 2 resistance &lt; 1<math>\Omega</math><br/>- If resistance is infinite, replace thermostat 2.</li> <li>[DUAL] Heater resistance 13<math>\Omega</math> (PIN 2-3) Heater.<br/>- resistance 34<math>\Omega</math> (PIN 1-2)<br/>- If resistance is infinite, replace heater.</li> <li>[SINGLE] Heater resistance 10<math>\Omega</math> (PIN 1-3)<br/>- If resistance is infinite, replace heater.</li> <li>Measure resistance on the following terminal.</li> </ul> |
| Door Switch              |  | <ol style="list-style-type: none"> <li>Door switch: Off<br/>- Terminal: "COM" - "NC" (1-3) &lt; 1<math>\Omega</math><br/>- Terminal: "COM" - "NO" (1-2): <math>\infty</math> <math>\Omega</math></li> <li>Door switch: On<br/>- Terminal: "COM" - "NC" (1-3): <math>\infty</math> <math>\Omega</math><br/>- Terminal: "COM" - "NO" (1-2) &lt; 1<math>\Omega</math></li> </ol>                                                                                                                                                                                                                                                        |

| Part Name                  | Image                                                                                                                         | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |    |    |    |    |    |    |       |  |  |   |   |  |  |     |   |   |  |  |   |   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----|----|----|----|----|----|-------|--|--|---|---|--|--|-----|---|---|--|--|---|---|
| Belt Cut-off S/W           |  <p>Belt Cut-Off Switch</p> <p>125V, 16A</p> | <ul style="list-style-type: none"><li>Belt Cut-off S/W<ul style="list-style-type: none"><li>Lever open: Resistance value &lt; 1Ω</li><li>Lever push: Resistance value: ∞ Ω</li></ul></li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |    |    |    |    |    |    |       |  |  |   |   |  |  |     |   |   |  |  |   |   |
| Lamp                       |  <p>Lamp</p> <p>DC 3V, 45mA, 700Lux</p>     | <ul style="list-style-type: none"><li>Thermostat 3 resistance &lt; 1Ω<ul style="list-style-type: none"><li>If resistance is infinite, replace thermostat 3.</li></ul></li><li>Thermostat 2 resistance &lt; 1Ω<ul style="list-style-type: none"><li>If resistance is infinite, replace thermostat 2.</li></ul></li><li>[DUAL] Heater resistance 13Ω (PIN 2-3) Heater.<ul style="list-style-type: none"><li>resistance 34Ω (PIN 1-2)<ul style="list-style-type: none"><li>If resistance is infinite, replace heater.</li></ul></li></ul></li><li>[SINGLE] Heater resistance 10Ω (PIN 1-3)<ul style="list-style-type: none"><li>If resistance is infinite, replace heater.</li></ul></li><li>Measure resistance on the following terminal.</li></ul> |          |    |    |    |    |    |    |       |  |  |   |   |  |  |     |   |   |  |  |   |   |
| Centrifugal Switch (Motor) |  <p>Switch shown in start position</p>     | <ul style="list-style-type: none"><li>2.88Ω between Pin #3 and 4</li><li>3.5Ω between Pin #4 and 5</li></ul> <table border="1"><caption>Contacts</caption><thead><tr><th>Function</th><th>1M</th><th>2M</th><th>3M</th><th>4M</th><th>5M</th><th>6M</th></tr></thead><tbody><tr><td>Start</td><td></td><td></td><td>●</td><td>●</td><td></td><td></td></tr><tr><td>Run</td><td>●</td><td>●</td><td></td><td></td><td>●</td><td>●</td></tr></tbody></table> <p>● = Contact closed</p>                                                                                                                                                                                                                                                              | Function | 1M | 2M | 3M | 4M | 5M | 6M | Start |  |  | ● | ● |  |  | Run | ● | ● |  |  | ● | ● |
| Function                   | 1M                                                                                                                            | 2M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3M       | 4M | 5M | 6M |    |    |    |       |  |  |   |   |  |  |     |   |   |  |  |   |   |
| Start                      |                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ●        | ●  |    |    |    |    |    |       |  |  |   |   |  |  |     |   |   |  |  |   |   |
| Run                        | ●                                                                                                                             | ●                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |    | ●  | ●  |    |    |    |       |  |  |   |   |  |  |     |   |   |  |  |   |   |
| Thermistor                 |                                            | <ul style="list-style-type: none"><li>238.23 kΩ at 25°C (77°F)</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |    |    |    |    |    |    |       |  |  |   |   |  |  |     |   |   |  |  |   |   |
| Radiant sensor (10RS) Gas  |  <p>120V</p>                               | <ul style="list-style-type: none"><li>Resistance value &lt; 1Ω</li><li>If resistance is infinite, replace radiant sensor.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |    |    |    |    |    |    |       |  |  |   |   |  |  |     |   |   |  |  |   |   |

| Part Name                                  | Image                                                                               | Description                                                                                                                                                                                                                                                                                            |
|--------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gas Valve<br>(25M01A)                      |    | <ul style="list-style-type: none"> <li>Valve 1-2: Resistance value approx. 1365Ω</li> <li>Valve 1-3: Resistance value approx. 560Ω</li> <li>Valve 4-5: Resistance value approx. 1325Ω</li> <li>Valve 6-7: Resistance value approx. 1000Ω</li> <li>If resistance is infinite, replace valve.</li> </ul> |
| Igniter (101D)<br>Gas                      |    | <ul style="list-style-type: none"> <li>Resistance value 40~400Ω</li> <li>If resistance is infinite, replace igniter.</li> </ul>                                                                                                                                                                        |
| Thermostat<br>(60T21 Hi-Limit)<br>230F-50F |  | <ul style="list-style-type: none"> <li>Resistance value &lt; 1Ω</li> <li>If resistance is infinite, replace thermostat.</li> </ul>                                                                                                                                                                     |



#### **GSPN (GLOBAL SERVICE PARTNER NETWORK)**

| <b>Area</b>                   | <b>Web Site</b>                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Europe, CIS, Mideast & Africa | <a href="http://gspn1.samsungcsportal.com">gspn1.samsungcsportal.com</a> |
| Asia                          | <a href="http://gspn2.samsungcsportal.com">gspn2.samsungcsportal.com</a> |
| North & Latin America         | <a href="http://gspn3.samsungcsportal.com">gspn3.samsungcsportal.com</a> |
| China                         | <a href="http://china.samsungportal.com">china.samsungportal.com</a>     |

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