

SAMSUNG DV5500M PJT(DRYER) Training Manual



BASIC MODEL	MODEL CODE	MODEL NAME
DV5500M	DVE45M5500P/A3	DVE45M5500P
	DVG45M5500P/A3	DVG45M5500P
	DVE45M5500P/AC	DVE45M5500P
	DVE45M5500Z/A3	DVE45M5500Z
	DVG45M5500Z/A3	DVG45M5500Z
	DVE45M5500W/A3	DVE45M5500W
	DVG45M5500W/A3	DVG45M5500W

DV5500M

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SAMSUNG

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1.Safety Warnings

WARNING - Gas Appliances:

- State of California Proposition 65 Warning (US only)

This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Gas appliances can cause low-level exposure to Proposition 65 listed substances, including but not limited to, benzene, carbon monoxide, formaldehyde and soot, substances resulting from the incomplete combustion of natural gas or LP fuels.

WARNING - RISK OF FIRE

- Clothes dryer installation must be performed by a qualified installer.
- Install the clothes dryer according to the manufacturer's instructions and local codes.
- Do not install a clothes dryer with flexible plastic venting materials. If flexible metal (foil type) duct is installed, it must be of a specific type identified by the appliance manufacturer as suitable for use with clothes dryers. Flexible venting materials are known to collapse, be easily crushed, and trap lint. These conditions will obstruct clothes dryer airflow and increase the risk of fire.
- To reduce the risk of severe injury or death, follow all installation instructions.

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1.Safety Warnings

TO REDUCE THE RISK OF FIRE OR EXPLOSION:

- Do not dry items that have been previously cleaned, washed, soaked, or spotted with gasoline, dry cleaning solvents, or other flammable or explosive substances. They emit vapors that could ignite or explode. Any material that has been in contact with a cleaning solvent or flammable liquids or solids should not be placed in the dryer until all traces of these flammable liquids or solids and their fumes have been removed. There are many highly flammable items used in homes, such as acetone, denatured alcohol, gasoline, kerosene, some liquid household cleaners, some spot removers, turpentine, waxes, and wax removers.
- Items containing foam rubber (which may be labeled latex foam) or similarly textured rubberlike materials must not be dried on a heat setting. Heated foam rubber materials can, under certain circumstances, ignite spontaneously.

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1.Safety Warnings

WHAT TO DO IF YOU SMELL GAS:

- Do not try to light any appliance.
- Do not turn on the appliance.
- Do not touch any electrical switch.
- Do not use any phone in your building.
- Clear the room, building or area of all occupants.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency, or the gas supplier..

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1.Safety Warnings

Important safety instructions

WARNING

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

- 1.** Read all instructions before using this appliance.
- 2.** Do not dry articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry-cleaning solvents, or other flammable or explosive substances, because they give off vapors that could ignite or explode.
- 3.** 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.
- 4.** Do not store or use gasoline or other flammable vapors and liquids near this or any other appliance.
- 5.** Do not allow children or pets to play on, in, or in front of the appliance. Close supervision is necessary when the appliance is used near children and pets.
- 6.** Before the appliance is removed from service or discarded, remove the door to the drying compartment to prevent children or animals from becoming trapped inside.
- 7.** Do not reach into the appliance when the drum is moving.
- 8.** Do not install or store this appliance where it will be exposed to the weather.
- 9.** Do not tamper with the controls.
- 10.** Do not repair or replace any part of the appliance or attempt any servicing unless specifically recommended in the user-maintenance instructions or published in the user-repair instructions that you understand and have the skills to carry out.

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1.Safety Warnings

- 11.** Do not use fabric softeners or products to eliminate static unless recommended by the manufacturer of the fabric softener or product.
- 12.** Clean the lint screen before or after each load.
- 13.** Do not use heat to dry articles containing foam rubber or similarly textured rubber-like materials.
- 14.** Keep the area around the exhaust opening and surrounding areas free from lint, dust, and dirt.
- 15.** The interior of the dryer and exhaust duct should be cleaned periodically by qualified service personnel.
- 16.** Do not place items exposed to cooking oils in your dryer. Items contaminated with cooking oils may contribute to a chemical reaction that could cause a load to catch fire.
- 17.** This appliance must be grounded. See "Electrical requirements" and "Grounding" in the "Installing your dryer" section.
- 18.** This appliance must be properly grounded. Never plug the power cord into a receptacle that is not grounded adequately and in accordance with local and national codes. Refer to installation instructions for grounding this appliance.
- 19.** Ensure pockets are free from small irregularly shaped hard objects and foreign material, i.e. coins, knives, pins, etc. These objects could damage your dryer.
- 20.** Gas leaks may occur in your system, resulting in a dangerous situation.
- 21.** Gas leaks may not be detected by smell alone.
- 22.** Gas suppliers recommend you purchase and install a UL-approved gas detector.

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2. Product introduction

Concept



Main Feature

New design and one of the best dryer options and care all clothes material.

- ✓ Delicate Dry (Low Temperature dry)
- ✓ The Largest Capacity
- ✓ Smart Care
- ✓ Vent Sensor
- ✓ Steam Cycle
- ✓ Sanitize Cycle
- ✓ Energy Saving
- ✓ Time Saving
- ✓ Easy Reversible Door
- ✓ 4-way Vent(Elec).

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2. Product introduction

Extra Large Capacity	Ultra drying capabilities are at your fingertips! Now you can dry extra-large loads. Our ultra large 7.5 cu.ft. capacity dryer circulates more air through your clothes getting them dry faster, for a wrinkle-free result.
Time Saving	Our cycles are designed with you in mind. All our dryers are designed to dry your clothes in less time... just 42 minutes! Giving you time for more important things in life.
Energy Saving	Samsung dryers are super energy efficient, that you can dry up to 3.31 pounds of laundry with 1kWh. Also, both the large capacity and Fuzzy Logic Control save energy by automatically drying your clothes the most efficient way.
Easy Reversible Door	Our dryers will fit just about anywhere and without a door conflict. The direction of our easy reversible door can be changed with just four screws.
Pedestal With Storage Drawers	An option 15" pedestal is available to raise the dryer for easier loading and unloading. It also offers a built-in storage drawer that can hold a 100 oz., bottle of detergent.
Various Drying Cycles & Fuzzy Logic Algorithm	Simply turn the job dial to select one of the 13 automatic drying cycles, including normal, heavy duty and bedding, or let the fuzzy logic control measure the degree of dampness and automatically set the drying time. Precision drying has never been easier than with Samsung.
Smart Care	Samsung's Smart Care, an automatic error-monitoring system, detects and diagnoses problems at an early stage and provides a quick and easy solutions, with the innovative Smart Remote Control technology, you can also be alerted when the problems occurs via your Smart phones.
4-way Vent(Elec.)	You can install the exhaust vent in the following four (4) positions: back, either side, bottom.
Delicate Dry	You can use "Delicate dry" with tumble dry. Samsung dryer can save your clothes damage by high temperature heat.

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2. Product introduction

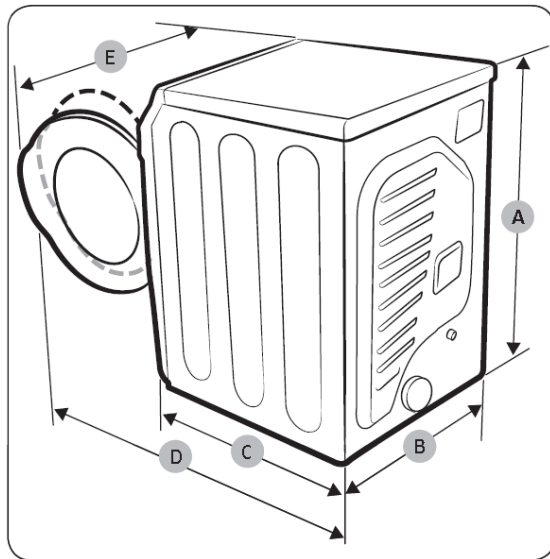
Specification

	Project	DV6500K	DV5500M	
	Model	DV45K6200E(G)W(V)/A3	DVE(G)45M55000P	DVE(G)45M55000W
USP & Features	Capacity (cu.ft / DOE)	7.5	7.5	7.5
	Power Resource	Electric / Gas	Electric / Gas	Electric / Gas
	Vent Sensor	Y	Y	Y
	Vent Blockage Test	Y	Y	Y
	Steam	Y	Y	Y
	Smart Control	Y(Dongle)	-	-
	Drum Material	EGI + Powder Coat	EGI + Powder Coat	EGI + Powder Coat
	E-Star	Y	Y	Y
	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 / 22,000 BTU /Hr	5300W / 22,000 BTU /Hr	5300W / 22,000 BTU /Hr
	Cycle Time (AHAM 8lbs) *() - Gas model / Elec. Eco Dry off	42 min	60 min	60 min
Design	Body Color (with Top Cover)	Blue / Neat White	Inox	Neat White
	Control panel	Silk Print + In-Mold	Silk Print + In-Mold	Silk Print + In-Mold
		Touch + Tact	Touch + Tact	Touch + Tact
	Main display	88:88 G.LED	88:88 G.LED	88:88 G.LED
	LED color	Ice Blue	Ice Blue	Ice Blue
ENERGY & Performance	Door	Add Door Matching	New TOC	New TOC
	DOE Combined Energy Factor (CEF, lb/kWh, Appendix D1/D2)	3.94 (lb/kWh)-Elec	3.94 (lb/kWh)-Elec	3.94 (lb/kWh)-Elec
		3.49 (lb/kWh)-Gas	3.49 (lb/kWh)-Gas	3.49 (lb/kWh)-Gas
	Voltage / Frequency	120V/ 240V / 60Hz (Elec)	120V/ 240V / 60Hz (Elec)	120V/ 240V / 60Hz (Elec)
		120V / 60Hz (Gas)	120V / 60Hz (Gas)	120V / 60Hz (Gas)
	Energy Guide (kWh/cycle // Liter/cycle)	Electric - 2.15 Kwh Gas - 215 liter ↓	Electric - 2.15 Kwh Gas - 215 liter ↓	Electric - 2.15 Kwh Gas - 215 liter ↓
	Yearly Energy Consumption	607 kWh/year (Elec)	607 kWh/year (Elec)	607 kWh/year (Elec)
	(kWh/year)			

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2. Product introduction

Product Dimension



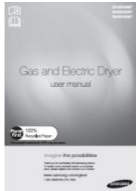

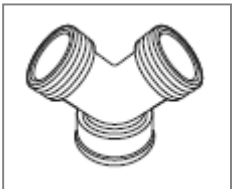

Type			Front Loading Dryer
Dimentions	A.Height	Product-inches(cm)	38.7 (98.4)
		Required for Installation-inches	40.7
	B. Width	Product-inches(cm)	27.0 (68.6)
		Required for Installation-inches	29.0
	C. Depth	Product-inches(cm)	32.4 (82.3)
		Required for Installation-inches	37.6
	D. Depth with door open 90°	Product-inches(cm)	53 (134.5)
		Required for Installation-inches	58
	E. Width with door open 110°	Product-inches(cm)	39.4 (100)
		Required for Installation-inches	44.6
Water pressure-psl (kPa)			20 - 116 (137 - 800)
NET weight		lb (kg)	121.3(55)
Heater Rating		Electric (W)	5300
		Gas (BTU/hr)	22000

“A. Height” Spec can vary from 42.4 to 43.3 inches (107.7 - 108.9 cm) depending on the leveling feet adjustments.

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2. Product introduction

Options Specifications

Item		Code	QTY	Remarks
	Manual-Users	DC68-03381G	1	DV5500M
	Manual-Users (TECH)	DC68-03382D	1	
				
"Y"-connector DC97-15103A	Short inlet hose DC97-15249A			

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3. Changed Parts List

Control Panel

DV6200K	DV5500M	Remark
		UI

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3. Changed Parts List



Window Panel

DV6200K	DV5500M	Remark
		UI

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3. Changed Parts List



ASSY PCB MAIN

DV6200K	DM9900M	Remark
		Delicate Dry added

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3. Changed Parts List

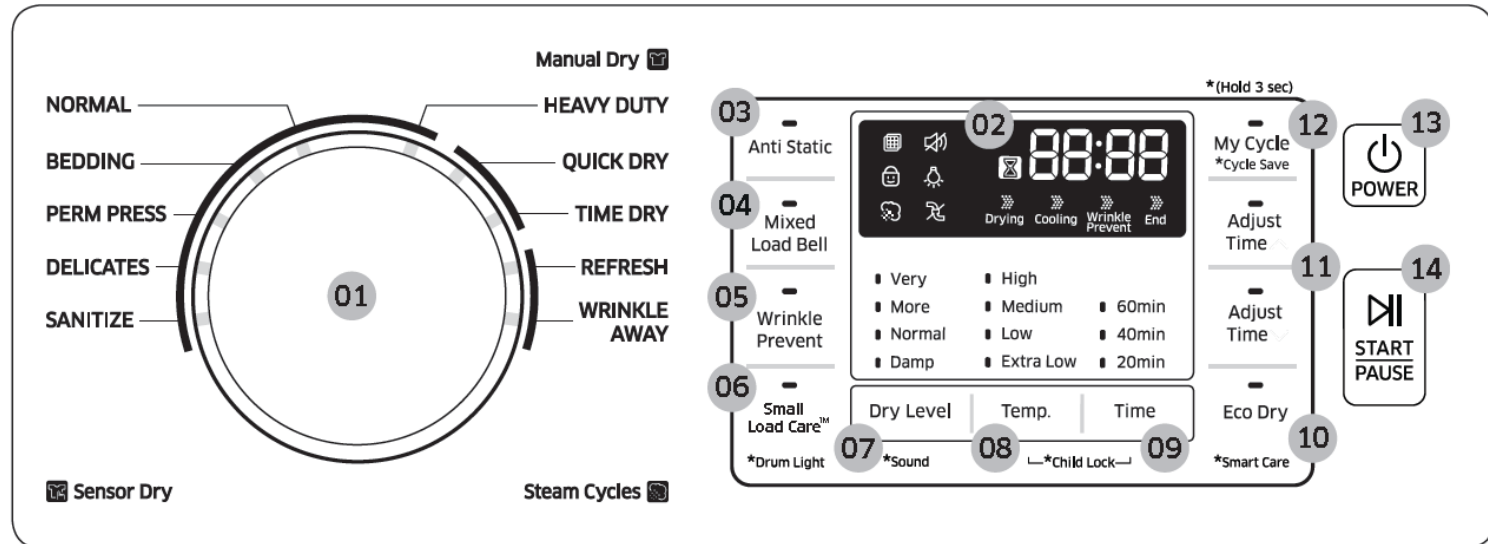
ASSY PCB SUB

DV6200K	DM9900M	Remark
		

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4. Instruction of Function

Control Panel (TUMBLE DRY)









01 Cycle Selector

Turn the Cycle Selector to select the desired cycle. The indicator by the cycle name lights up.

- Sensor Dry cycles: The dryer senses the internal humidity and uses it to determine the drying time.
- Manual Dry cycles: The drying time is fixed.
- Steam cycles: The dryer sprays water into the drum to deodorize clothes and reduce static electricity and wrinkles.

4. Instruction of Function

Feature panel

02 Digital Graphic Display	<p>Displays all cycle information, including the cycle time, information code, and operating status.</p> <ul style="list-style-type: none">•  Filter Check•  Sound•  Child Lock•  Drum Light•  Steam•  Vent Sensor
03 Anti Static	<p>Anti Static reduces static electricity that occurs from clothing friction. This is done by spraying steam into the drum in a later stage of the drying cycle.</p> <p>NOTE:</p> <p>The Anti Static function is only available with NORMAL, HEAVY DUTY, PERM PRESS, DELICATES, and TIME DRY.</p>
04 Mixed load Bell	<p>The Mixed Load Bell notifies you when the average dry level in a load is damp dry (80 % dried). This lets you take items that you don't want fully dried or that dry quickly out of the dryer early while letting others continue to dry. You can select this option in all Sensor Dry cycle except for SANITIZE. Available dry levels are Normal, More, and Very.</p>
05 Wrinkle Prevent	<p>Wrinkle Prevent provides approximately 180 minutes of intermittent tumbling in unheated air at the end of the cycle to reduce wrinkling. Press Wrinkle Prevent to activate this feature.</p> <p>The load is dry and can be removed at any time during the Wrinkle Prevent cycle.</p> <p>NOTE:</p> <p>After 2 minutes of inactivity, the drum light automatically turns off.</p>
06 Small Load Care™	<p>To control operation rate for drying a small loads at Sensor Dry course.</p> <ul style="list-style-type: none">• It is only available with: NORMAL, HEAVY DUTY, PERM PRESS, and DELICATES.• It can't be selected/cancelled when the drying course is running.• In order to improve drying effect and control operation rate, the drum can be paused during operation.

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4. Instruction of Function

Feature panel

07 Dry Level	<p>Press Dry Level to select a dry level. This is available only with the Sensor Dry cycles.</p> <ul style="list-style-type: none">• Larger or bulkier loads may require Very or More for complete dryness.• Damp is designed to partially dry items. Use for items that lay flat or hang to dry. <p>NOTE: This option is not available with: SANITIZE</p>
08 Temp	<p>Press Temp. to change the temperature of the current cycle.</p> <ul style="list-style-type: none">• High: For sturdy cottons or those labeled Tumble Dry.• Medium: For permanent press, synthetics, lightweight cottons, or items labeled Tumble Dry Medium.• Low: For heat sensitive items labeled Tumble Dry Low or Tumble Dry Warm.• Extra Low: Provides the lowest heated drying temperature possible.
09 Time	<p>Press Time to select a drying time for the selected cycle. This is available only with TIME DRY, QUICK DRY, and WRINKLE AWAY. This button is not available for Sensor Dry cycles because exact drying times are determined by fluctuating humidity levels.</p>
10 Eco Dry	<p>This function is available with Normal and Time Dry. With the Eco Dry activated, drying takes a longer time but power consumption is reduced.</p> <p>The drying time can be extended by up to 3 times normal depending on the temperature and load. The Eco Dry function is enabled by default.</p>
11 Adjust Time	<p>You can change the set time for the selected cycle. This is available only with TIME DRY, QUICK DRY, and WRINKLE AWAY.</p> <p>To change the cycle time, press Adjust Time ▲ or Adjust Time ▼ until the desired time is displayed.</p>
12 My Cycle	<p>Choose your favorite cycle including the cycle time, temperature, and dry level. See "My Cycle" for details.</p>
13 POWER	<p>Press to turn on/turn off the dryer.</p>
14 START PAUSE	<p>Press and hold to start operation, or press to stop operation</p>

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4. Instruction of Function

Sensor Dry

Cycle	Description
NORMAL	For most fabrics including cottons and linens. If NORMAL is selected, the Eco Dry function is enabled by default. For more information, see Eco Dry in the "Feature 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.
PERM PRESS	Dry wrinkle-free cottons, synthetic fabrics, knits, and permanent press fabrics automatically.
DELICATES	For heat-sensitive items at a low drying temperature.
QUICK DRY	A quick drying cycle that runs for 30 minutes
TIME DRY	You can specify a cycle time in minutes. If Time Dry is selected, the Eco Dry function is enabled by default. For more information, see Eco Dry in the "Feature panel" section.
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. Before removing the laundry, confirm that the laundry load is dry.
SANITIZE	Lets you sanitize garments by infusing high temperature heat deep into the fabric during the drying cycle. Use this cycle to keep your bedding and curtains clean through sanitization.

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4. Instruction of Function

Drying Guide

Cycle	
Bedspreads & Comforters	Follow the care label instructions or dry using Bedding. <ul style="list-style-type: none">• Make sure the item is thoroughly dry before using or storing.• May require repositioning in the drum to ensure even drying.
Blankets	Use Normal and dry only one blanket at a time for best tumbling action. <ul style="list-style-type: none">• Make sure blankets are is thoroughly dry before using or storing.
Curtains & Draperies	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.
Cloth Diapers	Use Normal and the Medium temperature setting for soft, fluffy diapers.
Down-filled Items (jackets, Sleeping bags, comforters, etc.)	Use Normal and the Medium temperature setting. <ul style="list-style-type: none">• Add a couple of dry towels to absorb moisture and shorten drying time.
Foam Rubber (rug backs, stuffed toys, shoulder pads, etc.)	Do not dry on a heat setting. WARNING: Drying a rubber item with heat may damage it or cause a fire.
Pillows	Use Normal. <ul style="list-style-type: none">• Add a couple of dry towels and a pair of clean sneakers to help the tumbling action and to fluff the pillows.• Do not dry kapok or foam pillows using a heated drying cycle.
Plastics (shower curtains, Outdoor furniture covers, etc.)	Use TIME DRY and the Low temperature settings depending on the care label instructions.

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4. Instruction of Function

Child Lock

Prevents children from playing with your dryer.

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 Temp. and Time 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. Instruction of Function

Smart Care

If the dryer displays an information code, you can use Smart Care to check the status of the dryer on a smartphone.

To use Smart Care, you must have the Samsung Smart Care app installed on your Smartphone.

NOTE

Smart Care is optimized for Samsung Galaxy and Apple iPhones. (Not compatible with some models).

Download the Samsung Smart Care app from the Google Play Store or Apple App store (Search term: "Samsung Smart Washer/Dryer"), and install it on your smartphone.

1. Press and hold Eco Dry for 3 seconds to activate Smart Care. The Smart Care indicator turns on.
2. Open the Smart Care app on your smartphone.
3. Put the smartphone's camera close to the display of the dryer. The app automatically recognizes the information code, and displays suggestions on your smartphone.
4. If the smartphone fails to recognize the information code more than twice, type the information code manually into the Smart Care app.

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4. Instruction of Function

SOUND ON / OFF

To turn off the dryer's notification beeps and melodies, press and hold Dry Level for 3 seconds.

To unmute the dryer, press and hold Dry Level again for 3 seconds.

NOTE

This function remains active even after you restart the dryer.

DRUM LIGHT

To turn on the drum light while the dryer is running, press and hold Small Load Care™ for 3 seconds.

NOTE

After 2 minutes of inactivity, the drum light automatically turns off.

4. Instruction of Function

MY CYCLE

You can create your own cycle that contains your preferred settings, and use it at your convenience.

1. Turn the Cycle Selector to select a cycle. The cycle indicator turns on.
2. Set or change the settings (Dry Level, Temp., Time, etc.) and/or options as necessary.
Each corresponding indicator blinks.
3. Press and hold My Cycle for 3 seconds. The dryer stores the selected cycle with its settings.

To use My Cycle, press My Cycle.

NOTE

Wrinkle Prevent is not available with My Cycle.

4. Instruction of Function


MAINTENANCE


WARNING

The control board and inlet valve are intentionally not grounded and may present a risk of electric shock only during servicing.

Service personnel - Do not contact these parts while the dryer is energized.

VENT SENSOR

The dryer features a vent sensor that detects and notifies you when it is time to clean the ductwork. The  indicator lets you know the status of the duct.

Level	Indicator	Status	Action
0	 Off	The ductwork is not clogged.	
1	On	<ul style="list-style-type: none">• The duct or lint filter is clogged.• The pressure applied to the duct is high Because the duct is too long or bent.	<ul style="list-style-type: none">• Check the lint filter or duct and clean if necessary.• Check the duct connections and shorten or straighten the duct if necessary.
2	Blinking	<ul style="list-style-type: none">• The duct or lint filter is severely clogged.• The pressure applied to the duct is very high because the duct is too long or bent.	<ul style="list-style-type: none">• Check and clean the lint filter or duct and make sure they are not clogged.• Check the duct connections and shorten or straighten the duct work.

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4. Instruction of Function

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.

4. Instruction of Function

CLEANING

❖ 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.

5. Test Mode & Error Check

Date Display Mode

How to Enter:

- After turning on the dryer, press Drylevel → Time → Temp → Time within 2 seconds to enter the display mode.
- To change the mode, use the cycle selector.

Display Mode Number					
1	Main micom version	2	Display micom version	3	Touch-sensitive module version
4	Option value	5	Temperature data	6	Average temperature data for 1 minute
7	Temperature data for detecting if the vent is clogged	8	Average touch sensor data for 1 minute	9	Cycle count

Error Recall

Error Recall mode reminds users of the last error that was detected. Press and hold both The Wrinkle prevent and Dry Level buttons for 8 seconds to enter this mode. In Error Recall mode, the last error that was detected appears. If no error has been found, nothing is displayed.

Smart Install

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

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5. Test Mode & Error Check

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.

5. Test Mode & Error Check

Error items and Diagnostic Codes

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

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6. Reference Information

Troubleshooting

Problem	Action
Does Not Run	<ul style="list-style-type: none">• Make sure:<ul style="list-style-type: none">- All wires are connected properly to their corresponding terminals.- The dryer is plugged in.- The door switch is functional with the door closed. See error code, dF.• Check the motor winding resistance: 2.88 ohms between pins #3 and 4, 3.5 ohms between pins #4 and 5• Checkpoints: Rotary selector / Blown fuse or circuit breaker / Control board / Belt cut-off switch / Driving motor
Motor runs but tumbler does not turn	<ul style="list-style-type: none">• Check if: the belt is loose, broken, and/or damaged. the idler tension spring is too weak or stretched. the idler pulley is jammed or stuck.
Runs a few minutes and then stops	<ul style="list-style-type: none">• Check if: lint is built up around the driving motor. The voltage measured is too low. The blower impeller is jammed in the blower housing. The start switch of the drive motor is closed.
Blows fuses or trips circuit breaker	<ul style="list-style-type: none">• Is the belt connected properly?• Do the rotor, stator, and the generator keep winding?• Is the motor protector normal? Otherwise, replace the PCB assembly.
Does not heat (motor runs)	Open the heating element and check if: <ul style="list-style-type: none">• Checking if the Hi-Limit thermostat is open• Checking if the thermal cut off is open• Checking the resistance of thermistor

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6. Reference Information

Troubleshooting

Problem	Action
Blows fuses or trips circuit breaker (Gas models)	<ul style="list-style-type: none">• During ignition, the dryer is designed to consume X amperages with the burner turned on. If the dryer is using amperages above this, this indicates the house wiring, fuse box, or circuit breaker is defective.• Check if: the igniter harness is loose or short.the drive motor is properly grounded.
Poor gas ignition (Gas models)	<p>A gas dryer featuring the heater unit is designed to flame within 45 seconds at 120 VAC. Ignition failure is indicated by one of three symptoms:</p> <ul style="list-style-type: none">• The igniter does not glow.• The igniter glows but does not ignite.• The igniter ignites but goes out shortly.
The igniter does Not glow	<p>If the igniter does not heat up, disconnect power and using an ohmmeter, checkpoints:</p> <ul style="list-style-type: none">• Flame sensor• Igniter• Gas Valve Coil• Wiring• Motor switch (neutral supply)• Power connection (L1 supply)
The igniter starts normally but fails To ignite	<p>If the igniter heats up but the main burner flame does not ignite, disconnect power and using an ohmmeter, check the following:</p> <ul style="list-style-type: none">• Secondary coil / Holding coil / Wire harness / Flame sensor if it's closed

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Troubleshooting

Problem	Action
The dryer ignites but the flame goes out shortly	<ul style="list-style-type: none">• Check if: the radiant sensor is open prematurely.• the gas valve coil is open prematurely at higher temperatures.• Checkpoints: Hi-Limit sensor / Venting system / Drum sealing
Dried clothes are wrinkled / Rough texture takes a longer drying time	<ul style="list-style-type: none">• The lint filter is not clean.• The door of the exhaust hood damper is stuck closed.• The exhaust system is too long or complicated, or has too installed.• The intake air is not sufficient for the dryer.• Incorrect tumbler speed or tumbler belt slipping.• Check if the blower impeller is clogged with impurities.• Check if the dryer is overloaded.• Check the clothing label and select a proper cycle.• Clothes are still wet after being washed in the washer.
Noise and/or vibrations	<ul style="list-style-type: none">• Thumping: check if the tumbler baffle is loose, or if the rear tumbler rollers are worn or misaligned.• Ticking: check if the wire harness is loose, or if the blower wheel has foreign objects caught in.• Scraping: check if the front or rear bulkhead is out of position, or if the front bearings of the tumbler are worn.• Roaring: check if the blower wheel collides with the blower housing, or if the motor bearings are worn.• Popping or squealing: check for a sticky or frayed belt.

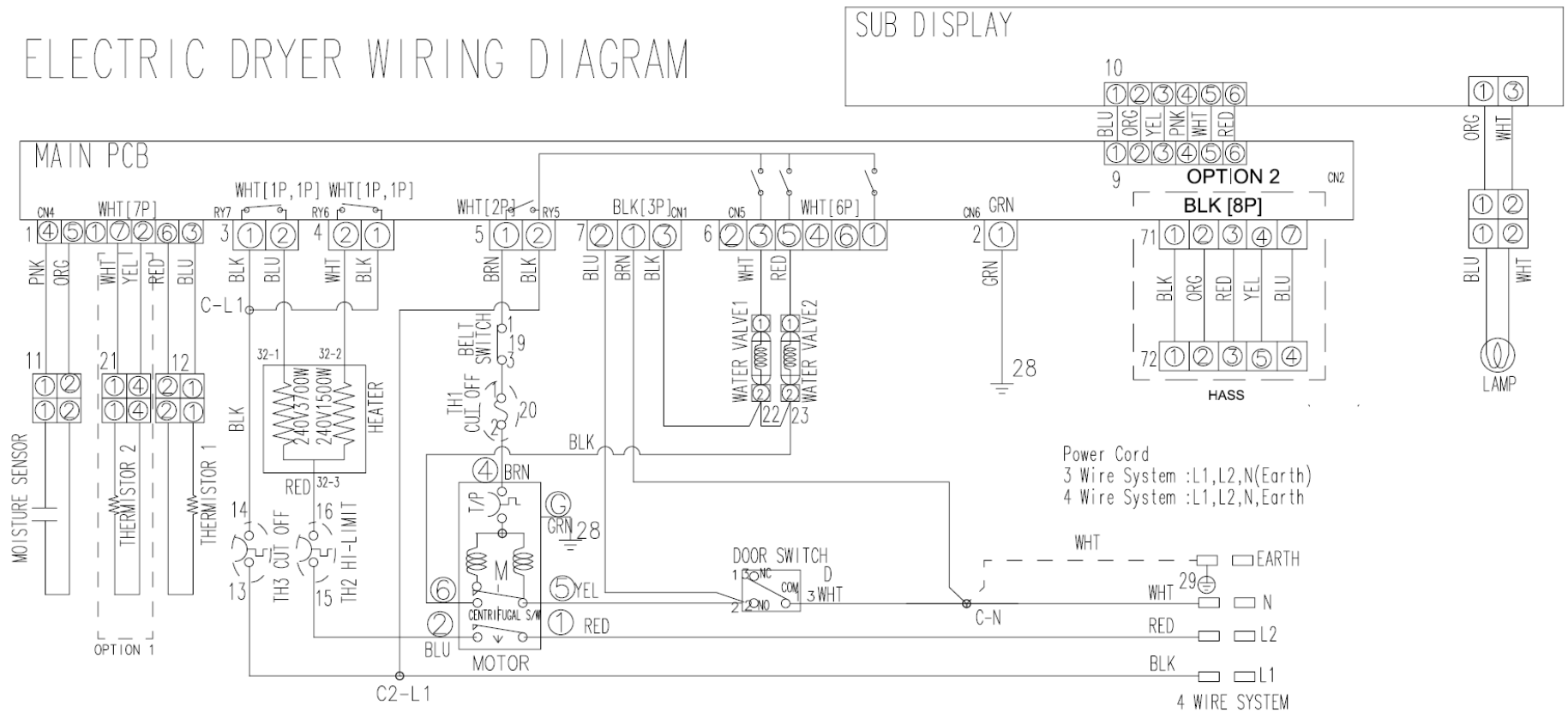
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Wiring Diagram

Elec Models

ELECTRIC DRYER WIRING DIAGRAM



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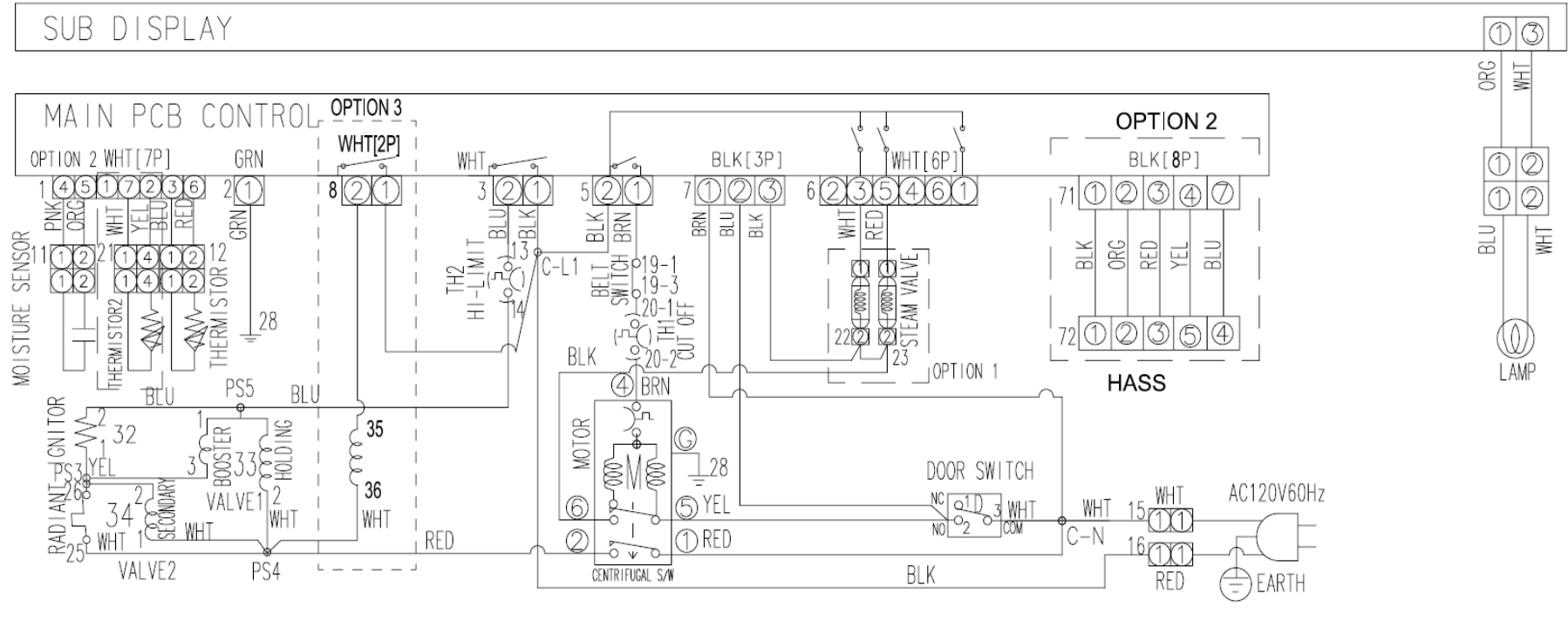
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Wiring Diagram

Gas Models

GAS DRYER WIRING DIAGRAM



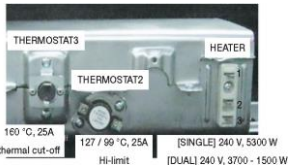

SUB DISPLAY



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6. Reference Information



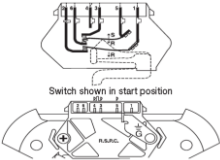

Component Testing Procedures

Parts	Image	Description
	[Electric]	
Thermistor Thermostat		<ul style="list-style-type: none"> • Thermistor resistance 10K Ω @ 25 °C (77 °F) • Thermostat 1 resistance < 1Ω
Thermostat heater		<ul style="list-style-type: none"> • Thermostat 3 resistance < 1 Ω <ul style="list-style-type: none"> - If resistance is infinite, replace thermostat 3. • Thermostat 2 resistance < 1 Ω <ul style="list-style-type: none"> - If resistance is infinite, replace thermostat 2. • [DUAL] Heater resistance 13 Ω (PIN 2-3) Heater resistance 34 Ω (PIN 1-2) <ul style="list-style-type: none"> - If resistance is infinite, replace heater. • [SINGLE] Heater resistance 10 Ω (PIN 1-3) <ul style="list-style-type: none"> - If resistance is infinite, replace heater. • Measure resistance on the following terminal
Door Switch		<ol style="list-style-type: none"> 1. Door switch: Off <ul style="list-style-type: none"> - Terminal: "COM" - "NC" (1-3) < 1Ω - Terminal: "COM" - "NO" (1-2): ∞ Ω 2. Door switch: On <ul style="list-style-type: none"> - Terminal: "COM" - "NC" (1-3): ∞ Ω - Terminal: "COM" - "NO" (1-2) < 1Ω

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Component Testing Procedures

Parts	Image	Description																					
Belt Cut-off S/W		<ul style="list-style-type: none">• Belt Cut-off S/W<ul style="list-style-type: none">- Lever open: Resistance value $< 1\ \Omega$- Lever push: Resistance value: $\infty\ \Omega$																					
Lamp		<ul style="list-style-type: none">• Thermostat 3 resistance $< 1\ \Omega$<ul style="list-style-type: none">- If resistance is infinite, replace thermostat 3.• Thermostat 2 resistance $< 1\ \Omega$<ul style="list-style-type: none">- If resistance is infinite, replace thermostat 2.• [DUAL] Heater resistance $13\ \Omega$ (PIN 2-3) Heater• resistance $34\ \Omega$ (PIN 1-2)<ul style="list-style-type: none">- If resistance is infinite, replace heater.• [SINGLE] Heater resistance $10\ \Omega$ (PIN 1-3)<ul style="list-style-type: none">- If resistance is infinite, replace heater.• Measure resistance on the following terminal																					
Centrifugal Switch (Motor)		<ul style="list-style-type: none">• $2.88\ \Omega$ between Pin# 3 and 4• $3.5\ \Omega$ between Pin# 4 and 5 <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">• $238.23\ \text{k}\Omega$ at $25\ ^\circ\text{C}$ ($77\ ^\circ\text{F}$)																					

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6. Reference Information

Component Testing Procedures

Parts	Image	Description
Radiant sensor (10RS) Gas		<ul style="list-style-type: none"> Resistance value $< 1 \Omega$ If resistance is infinite, replace radiant sensor.
Gas Valve (25M01A)		<ul style="list-style-type: none"> Valve 1-2: Resistance value approx. 1365Ω Valve 1-3: Resistance value approx. 560Ω Valve 4-5: Resistance value approx. 1325Ω Valve 6-7: Resistance value approx. 1000Ω If resistance is infinite, replace valve.
Igniter (101D) Gas		<ul style="list-style-type: none"> Resistance value $40 \sim 400 \Omega$ If resistance is infinite, replace igniter.
Thermostat (60T2 1 Hi-Limit) 230F-50F		<ul style="list-style-type: none"> Resistance value $< 1 \Omega$ If resistance is infinite, replace thermostat

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6. Reference Information

Q & A

Q. What does it mean when chasing light appear in the display?	A. The chasing lights appear in the display when Wrinkle Prevent is selected. This lets you know that the dryer is tumbling intermittently for 95 minutes with room temperature air after the cycle is complete to reducing wrinkling. The load is dry and can be removed at any time during Wrinkle Prevent.
Q. Why is the estimated drying time so long?	A. The initial estimated drying time will be longer because the dryer has not yet detected the amount of moisture in the load. After the dryer has been running for several minutes, a more accurate estimate will be displayed. Remember, the times are estimated. The actual drying time may be longer or shorter, depending on the load.
Q. My dryer seems to run longer than I expect. Why?	A. The dryer automatically senses the dryness level of load. Be careful to avoid overloading your dryer. For best drying results, avoid mixing heavy and lightweight items in the same load.

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6. Reference Information

Nomenclature




Digi	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	D	V	E	6	0	M	5	5	0	0	V	/	A	3

Model Naming Rule

Product Type	Type	Capacity	Year	Series	Features	Color	Divider	Buyer
Dryer	D	V						
	Dryer Type	Market Claim Capacity Ex: 7.5 kg = 75 10kg = 10 5.0 cuft = 50	13: F 14: H 15: K 16: K 17: M	Grade	Product / Project Define by Feature Table Sheet	By Color Table sheet	/: CBU U: SKD 1: Ver. Service	By Buyer- Table Sheet
	Type (Dryer)	* Detail Rule 1. 55.5 kg: Down to 11 2. N.America by DOE rule 3. N. America Dryer Same to Pair Washer		9 High 8 High 7 High 6 Mid 5 Mid 4 Mid 3 Entry 2 Entry 1 Entry Grade	* Each Product / Projects have different Feature Table.	V: Black Caviar W: White P: Inox Z: Blue		A3, A2: Estados Unidos AC: Canada AX: Mexico
	E: Vente Elec.							
	G: Vent Gas							
	H: Heatpump							
	C: Condensing	* Double Language Option Dutch + French Dutch Only * Exclusive Code capacity code의 2번째 자리 사용 ex) 6.0kg, M-Video Exclusive: 6M ex) 7.0kg, Eldorado Exclusive: 7E	* Same to VD Division					

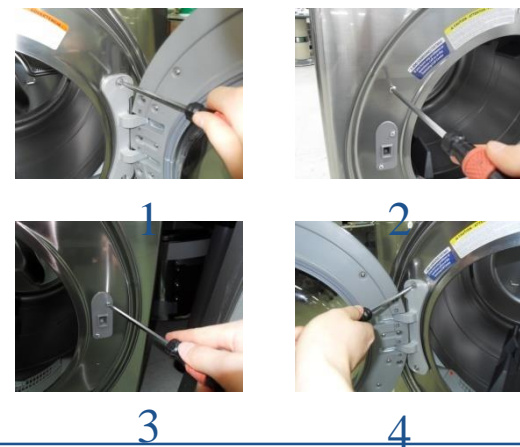
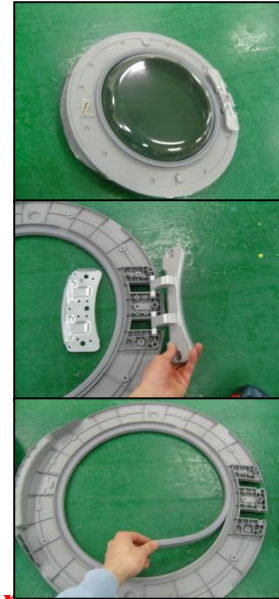
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7. Disassembly & Reassembly

PART NAME	DESCRIPTION	FIGURE
Top Cover	<ol style="list-style-type: none">1. Unplug the unit.2.Remove 2 screws from the tails.3.Slide back Top Cover and remove it.	
Drum Lifter	<ol style="list-style-type: none">1.Unplug the unit.2.Remove Top Cover.3.Remove four screws from the Drum. <p>■ After reassembly check Drum-Lifter fixed.</p>	
Control Panel	<ol style="list-style-type: none">1.Unplug the unit.2.Remove Top Cover.3.Remove three screws from the Holder PCB.4.Unplug all Housings.5.Separate 6 Hook From Guide Panel.6.Remove it from the unit. <p>■ After reassembly try every button, working properly</p>	


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7. Disassembly & Reassembly

PART NAME	DESCRIPTION	FIGURE
Door Reversal	<ol style="list-style-type: none"> 1.Unplug the unit. 2.Remove two screws from Holder-Lever 3.Remove two screws from Door Hinge. 4.Assemble Door Lock Guide and Door Assy to each other's location. 	
Disassembly	<ol style="list-style-type: none"> 1.Remove 15 screws Holder-Glass 2.Remove Door Cover 3.Remove 8 screw Support-Hinge 4.Remove Support-Hinge, Hinge-Door. 5.Remove Door Seal <p>■ After reassembly check the door opened and closed properly.</p>	



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7. Disassembly & Reassembly

PART NAME	DESCRIPTION	FIGURE
Front Panel Removal	<ol style="list-style-type: none">1.Unplug the unit.2.Remove Top Cover.3.Remove Control Panel.4.Remove four screws from Plate(U)5.Separate Door-Switch Housing.6.Remove four screws from the Frame Panel7.Remove Decoration-Front from Frame Panel <p>■ After reassembly check Frame Panel fixed on the Frame well, and Door-Switch work properly.</p>	




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7. Disassembly & Reassembly

PART NAME	DESCRIPTION	FIGURE
Front Bulkhead	<ol style="list-style-type: none">1.Unplug the unit.2.Remove Top Cover.3.Remove Control Panel.4.Remove Front Panel.5.Remove Plate(U)6.Remove four Bulkhead retaining 5 screws.7.Disconnect Moisture Sensor Wiring Harness.8.Lift Bulkhead from Cabinet and remove	
Moisture Sensor & Incandescent Lamp	<ol style="list-style-type: none">1.Unplug the unit.2.Remove Top Cover.3.Remove Control Panel.4.Remove Front Panel.5.Remove 1 fixing screws from Touch Sensor & Removal Touch Sensor. <p>■ After reassembly check the Touch Sensor work properly through test mode.</p>	


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7. Disassembly & Reassembly

PART NAME	DESCRIPTION	FIGURE
Drum	<ol style="list-style-type: none">1. Disconnect Power Supply to Unit2. Remove Top Cover, Console, Front Panel, Plate(u), Front Bulkhead3. Remove Belt4. Lift Drum and Pull out <p>* Carefully spread the cabinet as needed to get extra clearance. But, take care not to deform the cabinet.</p>	 
Front & Rear Roller (After removing Rear Bulkhead)	<ol style="list-style-type: none">1. After remove Holder-Shaft, separate each Roller.	




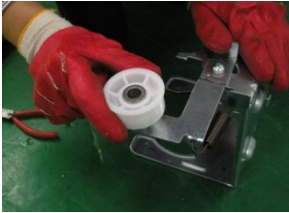
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7. Disassembly & Reassembly

PART NAME	DESCRIPTION	FIGURE
Motor/Blower Assembly (1)	<ol style="list-style-type: none">1.After remove Drum, do the following.2.Remove the 2 screws from Duct Connector.3.Separate Duct Connector4.Remove 1 Housing Motor5.Remove 2 Housing Belt Cut Off Switch6.Remove 3 Screw from Motor-Bracket	





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7. Disassembly & Reassembly

PART NAME	DESCRIPTION	FIGURE
Motor/Blower Assembly (2)	8. Separate Assy Motor in Bottom Plate	
	9. Lock Blower Wheel with a screwdriver and separate the 14mm nut from Fan.	
	10. Remove Blower Fan.	
	11. Remove the three screws from Cover-Duct Fan.	
	12. Remove 2 Spring Plate Using a long-nose plier.	
	13. Remove 1 Screw Belt Cut Off Switch	
	14. Remove Holder Shaft and Roller-Idler. ■ After reassembly check the Motor work properly	


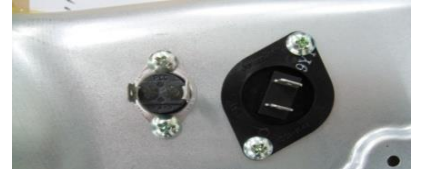


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7. Disassembly & Reassembly

PART NAME	DESCRIPTION	FIGURE
Burner	<ol style="list-style-type: none"> 1.After the knock-down to Motor/Assy-Motor, do the following. 2.Shut off gas supply. 3.Disconnect gas pipe. 4.Remove all the connectors. 5.Remove two screws (one at the front and the other one at the back) securing Burner to Frame. <p>NOTE: The Igniter Bar is fragile. So, take care when removing Burner Assy.</p> <ol style="list-style-type: none"> 6.Remove the two screws attaching the housing to Burner Bracket. 7.Remove Burner Assy from the unit. 	 
Drum-back	<ol style="list-style-type: none"> 1.Remove 9 screws at the back of the unit and 2 screws at the Valve-Water. 2.Separate the Cover-Valve 3.Remove the terminal from the valve-Water 4.Separate Assy-Drum Back in Frame. 	 




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7. Disassembly & Reassembly

PART NAME	DESCRIPTION	FIGURE
Vent Duct	<p>1.After separate Assy-Drum Back, do the following.</p> <p>2.Remove 3 screws from Back-Cover.</p> <p>3.Remove the Duct-Exhaust.</p>	
Sensors (Thermostat, Thermistor, Radiant/Flame)	<p>1.Remove each securing screws to remove each of the sensors.</p> <p>For differences between Gas and Electric, refer to 5-3. Component Check.</p>	  

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7. Disassembly & Reassembly

PART NAME	DESCRIPTION	FIGURE
Heater Assembly	<ol style="list-style-type: none">1.After separate Motor, Duct-Fan, do the following.2.Remove 6 Housing Heater-Terminals3.Remove 1 screw from Heater Die.4.Separate Heater in Drum-Back.	  

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Thank You !