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ELECTRIC & GAS DRYER SERVICE MANUAL

CAUTION

READ THIS MANUAL CAREFULLY TO DIAGNOSE TROUBLES CORRECTLY BEFORE OFFERING SERVICE.

MODEL : DLE5977W/DLG5988W DLE5977B/DLG5988B DLE3777W/DLG3788W DLE5977WM/DLG5988WM DLE5977SM/DLG5988SM



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IMPORTANT SAFETY NOTICE

The information in this service guide is intended for use by individuals possessing adequate backgrounds of electrical, electronic, and mechanical experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with its use.



To avoid personal injury, disconnect power before servicing this product. If electrical power is required for diagnosis or test purposes, disconnect the power immediately after performing the necessary checks.

RECONNECT ALL GROUNDING DEVICES

If grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

WHAT TO DO IF YOU SMELL GAS:

- Do not try to light a match, or cigarette, or turn on any gas or electrical appliance.
- Do not touch any electrical switches. 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 carefully.
- If you cannot reach your gas supplier, call the fire department.

IMPORTANT

Electrostatic Discharge (ESD)

Sensitive Electronics

ESD problems are present everywhere. ESD may damage or weaken the electronic control assembly. The new control assembly may appear to work well after repair is finished, but failure may occur at a later date due to ESD stress.

■ Use an anti-static wrist strap. Connect wrist strap to green ground connection point or unpainted metal in the appliance.

- OR -

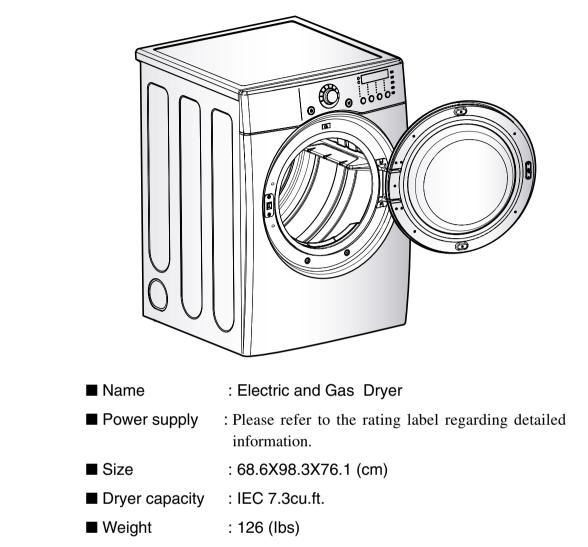
Touch your finger repeatedly to a green ground connection point or unpainted metal in the appliance.

- Before removing the part from its package, touch the anti-static bag to a green ground connection point or unpainted metal in the appliance.
- Avoid touching electronic parts or terminal contacts; handle electronic control assembly by edges only.
- When repackaging failed electronic control assembly in anti-static bag, observe above instructions.

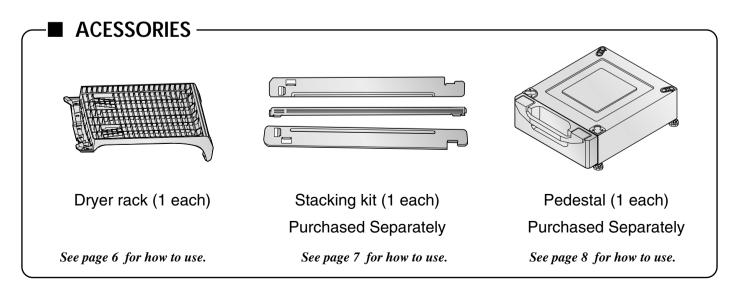
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SPECIFICATIONS



Specifications are subject to change by manufacturer.



					1		
ITEM		DLE5977WM DLE5988WM DLE5977W DLG5988W		DLE5977S DLG5988S DLE5977SM DLG5988SM	DLE3777W DLG3788W	REMARK	
		Color	Blue White	Black	Titanium	Blue White	
Material & Finishes	Т	op Plate		Porcelain		Painted	
	D	oor Trim	Chron	nate + STS	Deco	Blue White	
POWER	SUP	PLY		120V /	240V 60Hz	(26A)	
ELECTRICIT		MOTOR		250)W (4.5A)		AC 120V
CONSUMPT		HEATER		5400V	V (22.5A)		AC 240V (ELECTRIC TYPE)
		LAMP		15 W	(125mA)		AC 120V
		GAS VALVE		13 W (1	10mA) x 2		AC 120V(GAS TYPE)
CONTR	ROL T	YPE		Elec	stronic		
DRUM (CAPA	CITY		7.3	cu.ft.		
Weight (Ib	os) : N	let / Gross	124 / 144				
No. of	Progr	ams	9 7				
No. of [Dry O	ptions		5		5	
No. of Tempe	eratur	e Controls	5			5	
No. of [Dry Le	evels	5 5				
Sound	d leve	ls		High /			
Sensor	Ν	loisture		Ava	Electrode sensor		
OCHOOL	Tei	mperature		Ava	Termistor		
Revers	sible [Door		Ava			
D	rum			Stainl			
Drye	er Rad	:k		Ava			
Child Lock			Ava				
Interi	or Lig	pht		Ava			
Product	(Wxł	HxD)		27'			
Packing	(Wxl	HxD)		29 ¹			
				5			

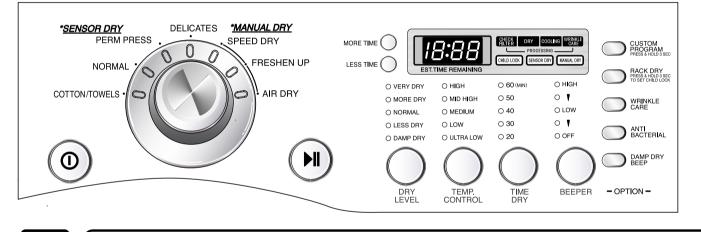
2

FEATURES AND BENEFITS

DLE5977W/DLG5988W/DLE5977B/DLG5988B/DLE5977WM/DLG5988WM/DLE5977SM/DLG5988SM



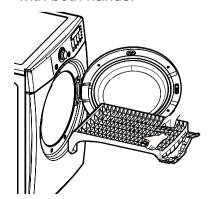
DLE3777W/DLG3788W



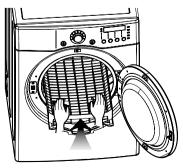
INSTALLATION INSTRUCTIONS

Dryer Rack Installation Instructions

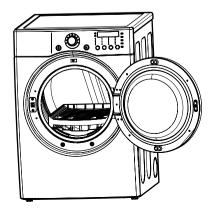
Open the door. Hold the dryer rack with both hands.



Put the dryer rack into the drum



Make sure that dryer is evenly placed right onto the drum inside and door rim.



Stacking Kit Installation Instructions

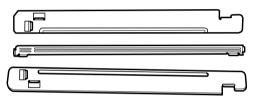
To ensure safe and secure installation, please observe the instructions below.

WARNING

Do not attempt installation with one person.

Incorrect installation procedure can cause serious accidents and physical Injuries.

The weight of the dryer and the height of installation makes the stacking procedure too risky for one person. This procedure should be performed by 2 or more experienced service personnel.



Stacking kit

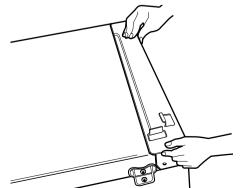
Place washer firmly on a stable, even and solid floor as product installation instructions describes in owner's manual.

Peel protective paper off the tape from the stacking kit side bracket.



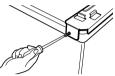


Fit the stacking kit side bracket firmly to the side of top plate by attaching the doublefaced tape to top plate as picture shows.

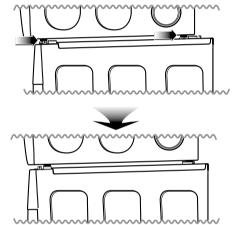




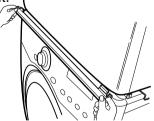
Secure stacking kit side bracket to the washer with a screw on the back of bracket. Repeat Steps 2, 3, 4 for the other side.



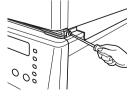
Place the dryer on top of the washer by fitting legs as shown in the picture. Avoid finger injuries - be careful not to pinch fingers between the washer and dryer. Slide washer slowly backwards to the stopper of kit.



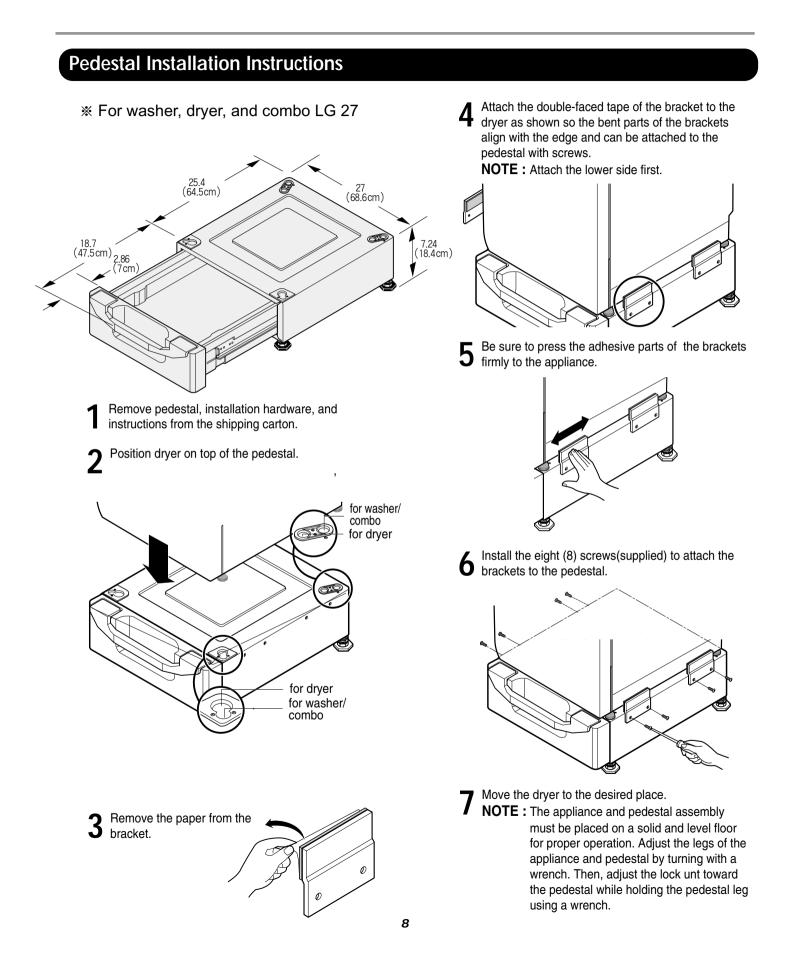
Insert the front stacking kit. Push the front stacking kit back to the stoppers of side stacking kit.



Screw both sides of the front kit.



• Do not use stacking kit with a gas dryer in potentially unstable conditions like a mobile home.



Review the following options to determine the appropriate electrical connection for your home:



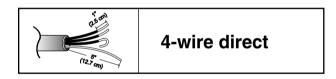
4-wire receptacle (NEMA type14-30R)

Use the instructions at this section if your home has a 4-wire receptacle (NEMA type 14-30R) and you will be using a UL listed, 120/240 volt minimum, 30 amp, dryer power supply cord.



3-wire receptacle (NEMA type10-30R)

Use the instructions at this section if your home has a 3-wire receptacle (NEMA type 10-30R) and you will be using a UL listed, 120/240 volt minimum, 30 amp, dryer power supply cord.



If this type is available at your home. you will be connecting to a fused disconnect or circuit breaker box



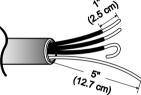
If this type is available at your home. you will be connecting to a fused disconnect or circuit breaker box

4-wire connection : Direct wire

Important : use 4-wire connection in the places such as mobile homes and areas where 3-wire connections is not available.

Prepare minimum 5ft(1.52m) of length in order for dryer to be replaced.

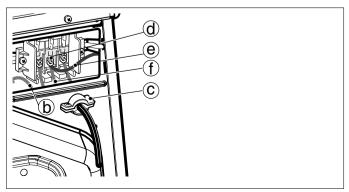
First, peel 5 inch (12.7cm) of covering material from end. Make a 5 inch of ground wire bared. After cutting $1^{1/2}$ inch (3.8cm) from 3 other wires. peel insulation back 1inch (2.5cm). Make ends of 3 wires a hook shape.



Then, put the hooked shape end of the wire under the screw of the terminal block(hooked end facing rightward) and pinch the hook together and screw tightly.



- 1. Connect neutral wire(white) of power cord to center terminal block screw.
- 2. Connect red and black wire to the left and right terminal block screws.
- 3. Connect ground wire(green) of power cord to external ground screw and move neutral ground wire of appliance and connect it to center screw.
- 4. Make sure that the strain relief screw is tightened. and be sure that all terminal block nuts are on tight and power cord is in right position.

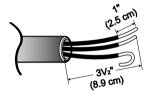


3-wire connection : Direct wire

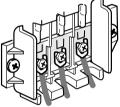
Important : use 3-wire connection in the places such as mobile homes and areas where 3-wire connections is not available.

Prepare minimum 5ft(1.52m) of length in order for dryer to be replaced.

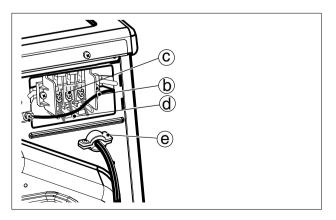
First, peel 3 $\frac{1}{2}$ inch (8.9cm) of covering material from end and bare 1 inch from the ends.



Then, put the hooked shape end of the wire under the screw of the terminal block(hooked end facing rightward) and pinch the hook together and screw tightly.

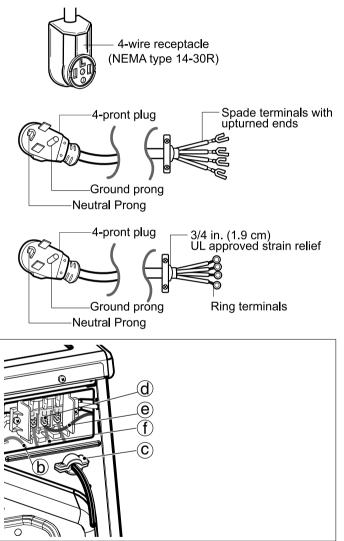


- 1. Connect neutral wire(white) of power cord to center terminal block screw.
- 2. Connect red and black wire to the left and right terminal block screws.
- 3. Make sure that the strain relief screw is tightened and be sure that all terminal block nuts are on tight and power cord is in right position.



Option 1: 4-wire connection with a Power supply cord.

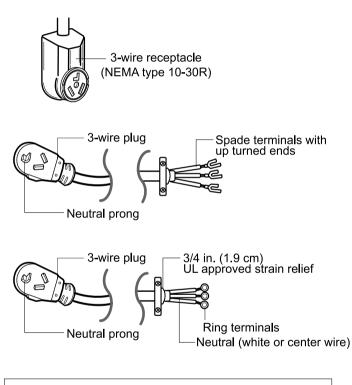
• If your local codes or ordinances do not allow the use of a 3 wire connection, or you are installing your dryer in a mobile home, you must use a 4-wire connection.

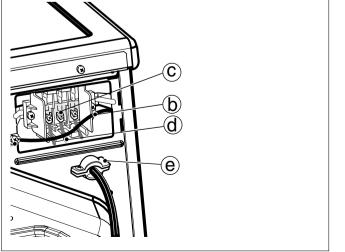


- 1. Connect neutral wire(white) of power cord to center terminal block screw.
- 2. Connect red and black wire to the left and right terminal block screws.
- 3. Connect ground wire(green) of power cord to external ground screw and move neutral ground wire of appliance and connect it to center screw.
- 4. Make sure that the strain relief screw is tightened. and be sure that all terminal block nuts are on tight and power cord is in right position.

Option 2: 3-Wire Connection with a Power Supply Cord

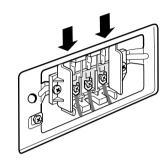
If your local codes or ordinances permit the connection of a frame-grounding conductor to the neutral wire, use these instructions. If your local codes or ordinances do not allow the connection of a frame-grounding conductor to the neutral wire, use the instructions under **Section 3: Optional 3-wire connection.**

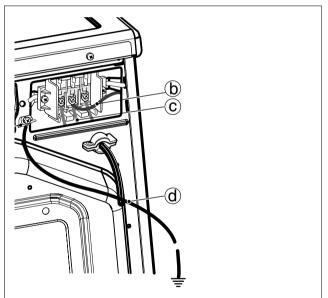




Option 3: Optional 3-wire connection.

• If your local codes or ordinances do not allow the connection of a frame-grounding conductor to the neutral wire, use the instructions under this section.



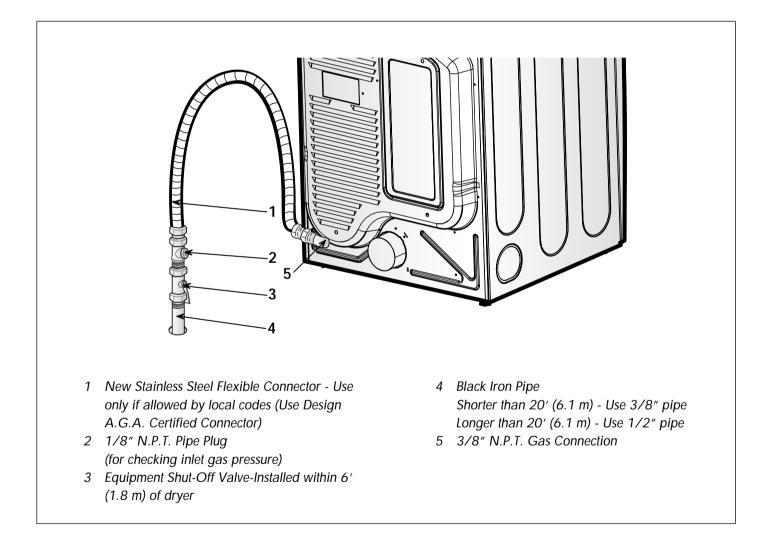


- 1. Connect neutral wire(white) of power cord to center terminal block screw.
- 2. Connect ground wire of appliance and neutral wire of power cord to center terminal block screw.
- 3. Connect red and black wire to the left and right terminal block screws.
- 4. Make sure that the strain relief screw is tightened. and be sure that all terminal block nuts are on tight and power cord is in right position.
- 5. Connect a independent ground wire from external ground connector to proper ground.

3-2. Connect Gas Supply Pipe (Gas Dryer ONLY)

For further assistance, refer to section on Gas Requirements.

- 1. Make certain your dryer is equipped for use with the type of gas in your laundry room. Dryer is equipped at the factory for Natural Gas with a 3/8" N.P.T. gas connection.
- 2. Remove the shipping cap from the gas connection at the rear of the dryer. Make sure you do not damage the pipe thread when removing the cap.
- 3. Connect to gas supply pipe using a new flexible stainless steel connector.
- 4. Tighten all connections securely. Turn on gas and check all pipe connections (internal & external) for gas leaks with a non-corrosive leak detection fluid.
- 5. For L.P. (Liquefied Petroleum) gas connection, refer to section on Gas Requirements.



4

		Default				ions of	operat	ion and	termination
	Cycle	T	Dur	D'l	Dryi	Drying		oling	Wrinkle care
		Temp- erature	Dry Level	Display time	Electro- sensor	Temp- Control	Default time	Temp- Control**	Time
	HEAVY DUTY	HIGH	(Normal)	54min	Saturation	68±4°C	(5min)	47±5°C	
	COTTON/ TOWELS	MID HIGH	(Normal)	55min	Saturation	66±4°C	(5min)	47±5°C	
Sensor	NORMAL	MEDIUM	(Normal)	41min	Saturation	60±4°C	(5min)	47±5°C	
Dry *	PERM PRESS	LOW	(Normal)	36min	Saturation	52±3°C	(5min)	47±5°C	ЗHr
	DELICATES	LOW	(Normal)	32min	Saturation	52±3°C	(5min)	38±5°C	
	ULTRA DELICATE	ULTRA LOW	(Normal)	34min	Saturation	45±3°C	(5min)	38±5°C	
	SPEED DRY	(HIGH)	-	25min	Saturation	(70±5°C)	(5min)	(47±5°C)	
Manual Dry **	FRESHEN UP	(MID HIGH)	-	20min	Saturation	(66±5°C)	(5min)	(47±5°C)	ЗHr
	AIR DRY	-	-	30min	Saturation	No heater	N/A	N/A	
				_					Off Time: 6min
			Мо	otor					On Time: 10sec
		Load	Неа	ater	Temperati	ure Contr	ol for eac	ch cycle	

* Sensor dry : "Dry Level" is set by users.

** Manual dry : "Temperature control" is set by users.

Default settings can be adjusted by users.

A CAUTION

When checking the Component, be sure to turn the power off, and do voltage discharge sufficiently.

Component	Test Procedure	Check result	Remark
1. Thermal cut off	Measure resistance of terminal to terminal ① Open at 266 ± 12°F (130 ± 7°C)	If thermal fuse is open must be replaced ① Resistance value ≒ ∞	Heater case- SafetyElectric type
Check Top Marking : N130	 2 Auto reset -31°F (-35°C) Same shape as Outlet Thermostat. 	② Continuity (250°F \downarrow) < 1Ω	
2. Hi limit Thermostat (Auto reset)	Measure resistance of terminal to terminal		• Heater case - Hi limit
	 Open at 257 ± 9°F (125 ± 5°C) Open at 257 ± 9°F 	1 Resistance value $= \infty$	 Electric type
	② Close at 221 ± 9°F (105 ± 5°C)	② Resistance value < 5 Ω	
3. Outlet Thermostat (Auto reset)	Measure resistance of terminal to terminal		 Blow housing - Safety
	① Open at 185 ± 9°F (85 ± 5°C)	① Resistance value $\Rightarrow \infty$	 Electric type
Check Top Marking : N85	 2 Close at 149 ± 9°F (65 ± 5°C) Same shape as Thermal cut off. 	② Resistance value < 5 Ω	
4. Lamp holder	Measure resistance of terminal to terminal	Resistance value : $80\Omega \sim 100\Omega$	
5. Door switch	Measure resistance of the following terminal		The state that Knob is
	 Door switch knob : open Terminal : "COM" - "NC" (1-3) Terminal : "COM" - "NO" (1-2) Door switch push : push Terminal : "COM" - "NC" (1-3) 	 Resistance value < 1Ω Resistance value ≒ ∞ Resistance value ≒ ∞ 	pressed is opposite to Open condition.
	2 Terminal : "COM" - "NO" (1-2)	② Resistance value < 1 Ω	
6. Idler switch	Measure resistance of the following terminal : "COM - NC"	 lever open ① Resistance value < 1Ω Lever push (close) ② Resistance value ≒ ∞ 	

Component	Test Procedure	Check result	Remark
7. Heater	Measure resistance of the following terminal ① Terminal : 1 (COM) - 2 ② Terminal : 1 (COM) - 3 ③ Terminal : 2 - 3	 Resistance value : 10Ω Resistance value : 10Ω Resistance value : 20Ω 	Electric type
8. Thermistor	Measure resistance of terminal to terminal Temperature condition : 58°F ~ (10~40°C) 58°F ~ 104F (10~40°C)	Resistance value : 10Ω	 Heater case - Hi limit Electric type
9. Motor			• See Page 13
10. Gas valve valve 1 valve 2	Measure resistance of the following terminal ① Valve 1 terminal ② Valve 2 terminal	 Resistance value : > 1.5kg ~ Resistance value : > 1.5~2.5kg 	• Gas type
11. Igniter	Measure resistance of terminal to terminal	Resistance value : 100~800Ω	• Gas type
12. Frame Detect	Measure resistance of terminal to terminal ① Open at 370°F ((Maximum) ② Close at 320°F	① Resistance value $= ∞$ ② Resistance value < 1Ω	• Gas type

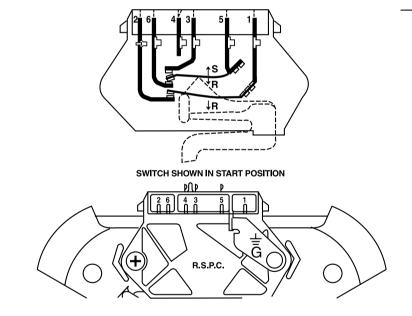
Component	Test Procedure	Check result	Remark
 13. Outlet Thermostat (Auto reset) • Check Top Marking : 	Measure resistance of terminal to terminal ① Open at 203 ± 7°F (95 ± 5°C) ② Close at 158 ± 9°F (70 ± 5°C)	 Resistance value ≒ ∞ Continuity < 1Ω 	• Gas type • Gas funnel
N95 13. Outlet Thermostat (Manual reset)	Measure resistance of terminal to terminal ① Open at 212 ± 12°F (100 ± 7°C) ② Manual reset	If thermal fuse is open must be replaced ① Resistance value ≒ ∞ ② Continuity < 1Ω	• Gas type • Gas funnel
Check Top Marking : N100			

NOTE When checking Component, be sure to turn Power off, then do voltage discharge sufficiently.

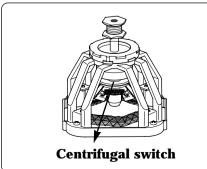
Contact On / Off by Centrifugal Switch

Term	inal No												
Mode	Resistance	1	2 3		4	5	6	Remark					
	2 ~ 3Ω				•	•		Motor					
Motor STOP	≒∞	•	••••••					Heater (Electric Models)					
	≒ ∞			•			••••••	Gas Valve (Gas Models)					
	3 ~ 5Ω				•	•		Motor					
Motor RUN	< 1Ω	•	•					Heater (Electric Models)					
	< 1Ω			•			•	Gas Valve (Gas Models)					

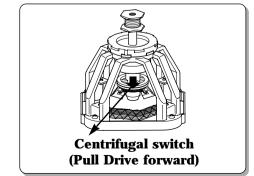




■ STOP MODE (When Motor does not operate)



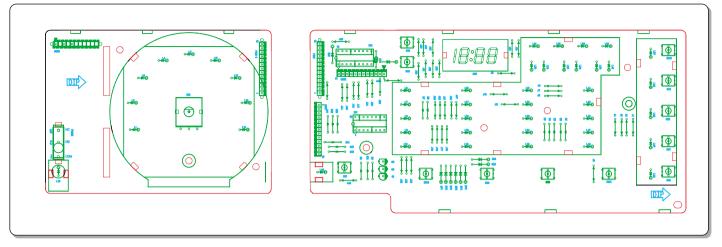
RUN MODE (Motor operates)





CONTROL LAY - OUT

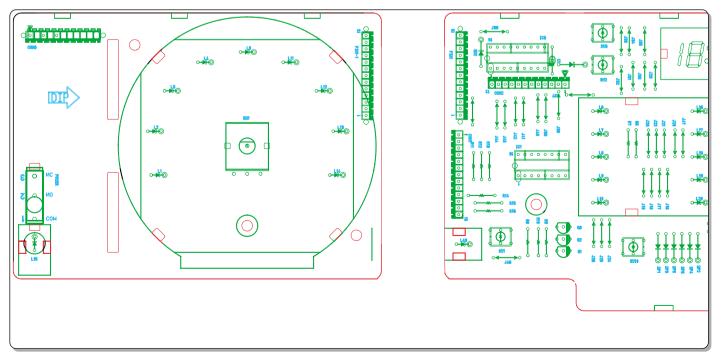
PWB ASSEMBLY DISPLAY LAY-OUT



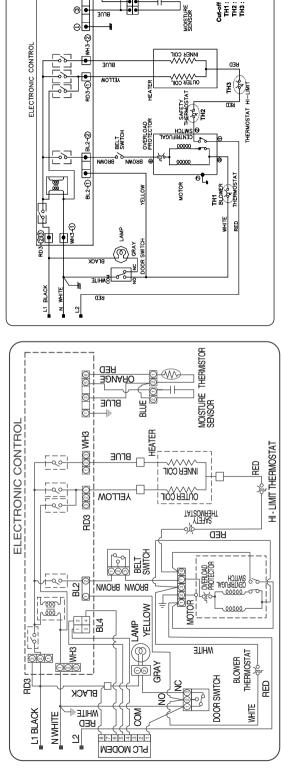
*** MODEL DISPLAY AS DIAGNOSTIC TEST**

MODEL	OPTION PART				OPTION PART LED P						P/No
MODEL	OP 1	OP 2	OP 3	OP 4	OP 5	OP 6	DISPLAY	E / NU			
DLE5977WM/SM, DLE5977W/B	Х	Х	Х	0	Х	Х	18:FO	6871EC1115A			
DLG5988WM/SM, DLG5988W/B	Х	Х	0	0	Х	Х	19:FO	6871EC1115B			
DLE3777W	Х	Х	Х	Х	Х	Х	18:F1	6871EC1115C			
DLG3788W	Х	Х	0	Х	Х	Х	19:F1	6871EC1115D			

PWB ASSEMBLY LAY-OUT

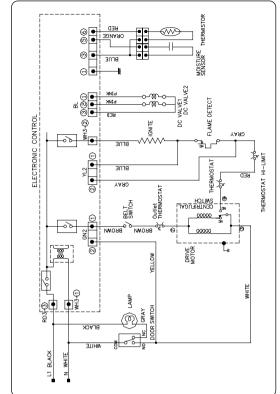


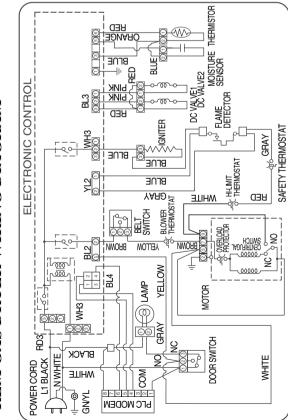
RLM ELECTRIC DRYER WIRING DIAGRAM





GAS DRYER WIRING DIAGRAM





8

ELECTRIC DRYER WIRING DIAGRAM

WIRING DIAGRAM

9**0**

•

FRMISTOR

thet

temp 125 125

9

DIAGNOSTIC TEST

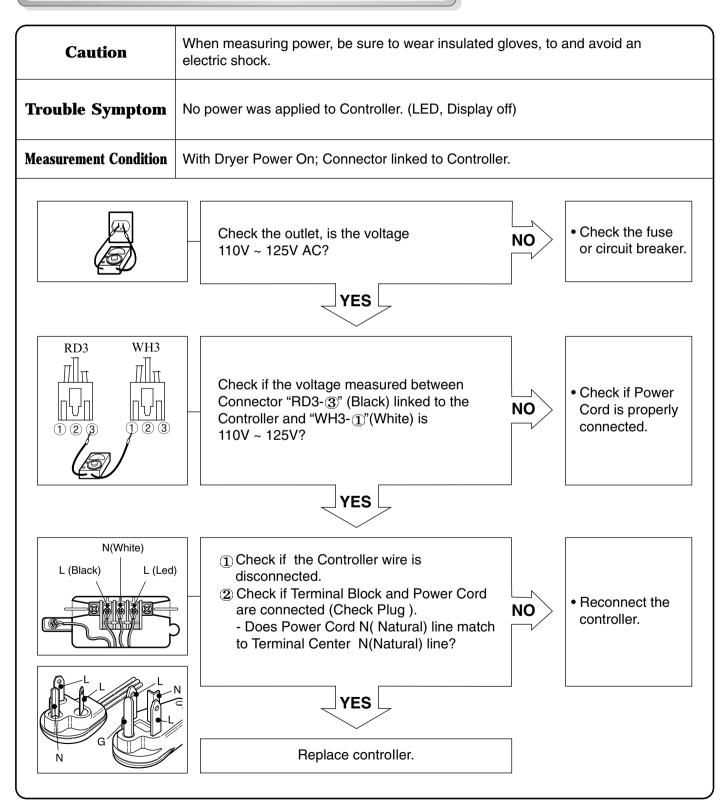
- 1. This TEST should be used for Factory test /Service test. Do not use this DIAGNOSTIC TEST other than specified.
- **2.** Activating the Heater manually with the Door open may trip the Thermostat attached to the Heater, therefore do not activate it manually. (Do not press the door switch to operate the heater while the door is open)

■ ACTIVATING THE DIAGNOSTIC TEST MODE

- 1. Unit must be in Standby (unit plugged in, display off)
- 2. Press "POWER" while pressing "MORE TIME", and "LESS TIME" simultaneously.

Pressing the "START/PAUSE" button	CHECKING ACTION	DISPLAY	CHECKING POINT	REMARK
	Electric control		Won't power up Defective LED	See test 1 Display : See page
None	& Temperature	ee;	Thermistor open	See test 0
	sensor	222	Thermistor close	See test 2
			Motor runs	See test 3
Once	Motor	70 ~ 239 Measured Moisture Value.	Displays Moisture Sensor Operation: If moisture sensor is contacted with damp cloth. The display number is below 180, in normal condition.	See test 4
Twice	 ELECTRIC TYPE Motor + Heater 1 (2700W) GAS TYPE Motor + Valve 	Current Temp.	Current Temp. ELECTRIC TYPE : Heater runs GAS TYPE : GAS Valve runs (Display the Temperature of Inside drum.)	
3 times	 ELECTRIC TYPE Motor + Heater 1 +Heater 2 (5400W) GAS TYPE Motor Type 	Current Temp. (5 ~ 70)	ent Temp.	
4 times	Control Off		Auto Off	
During check,	Motor & Heater Off + Lamp On +	dЕ	Door switch	See test 6
If the door is open.	Buzzer beeps seven times		Lamp	
During check, If the door is closed.	Motor on & Heater Off + Lamp Off	70 ~ 239	 Press Start button 1 time and then open the door. Proceed again with the step 1(by pressing start 1 time), step 2(by pressing start 2 times), step 3(by pressing start 3 times) and step 4(by pressing start 4 times) in sequence. Press Start 2 times and then open the door. Proceed again from the step 1 all the way to the step 4. Press Start 3 times and then open the door Proceed with the step 1 and skip the step 2 and press step 3 twice and finish with step 4 by making sure the all the electric devices shut off in the end. 	

Test 1 120VAC Electrical supply



■ **Test 2** Thermistor Test --- Measure with Power Off

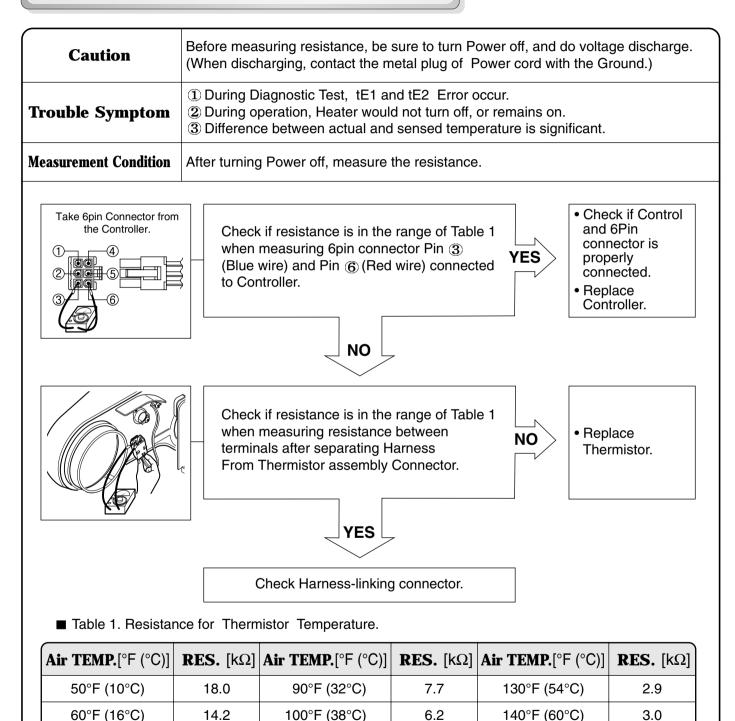
60°F (16°C)

70°F (21°C)

80°F (27°C)

11.7

9.3



6.2

5.2

4.3

140°F (60°C)

150°F (66°C)

160°F (71°C)

3.0

2.5

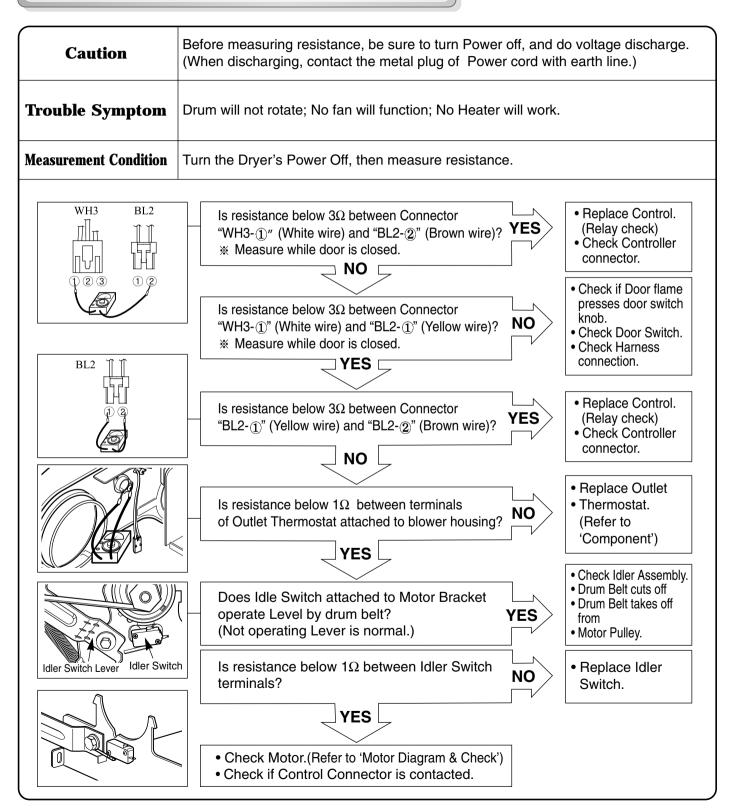
2.2

100°F (38°C)

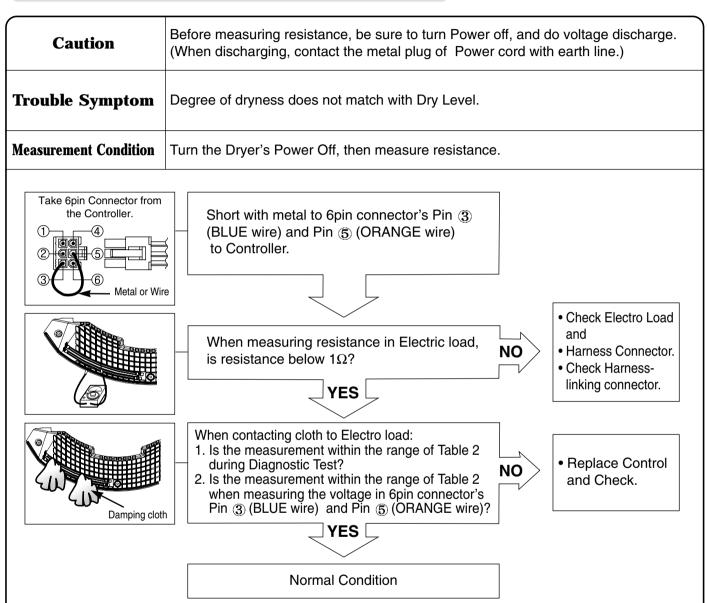
110°F (43°C)

120°F (49°C)

■ Test 3 Motor test



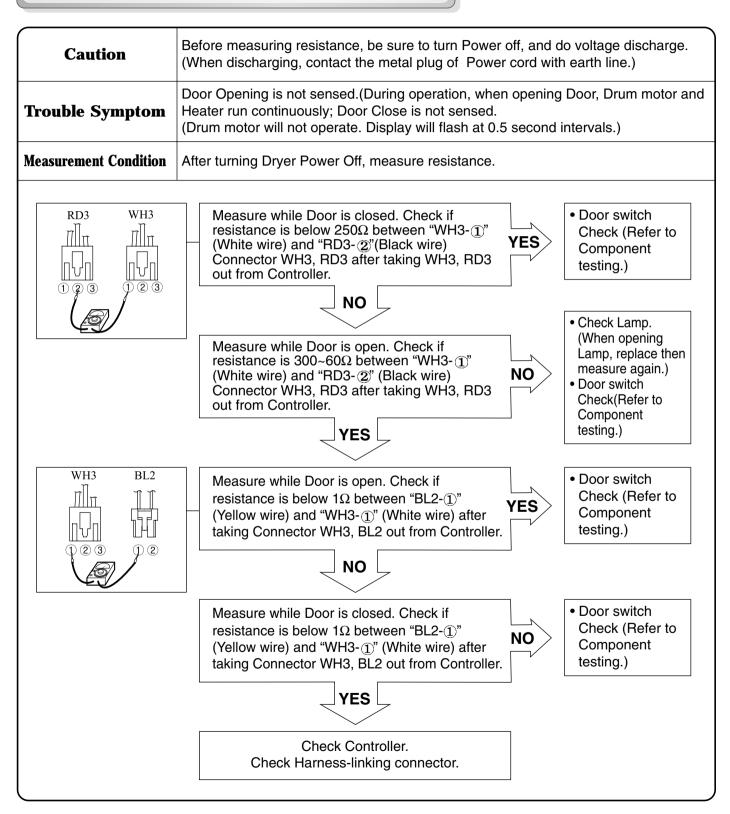
Test 4 Moisture sensor



■ Table 2. IMC Ratio and Display Value / Voltage (IMC : Initial Moisture Content)

IMC	Display Value	Voltage(DC) (between 6Pin terminal (3,5)	Remark
70% ~ 40%	50 ~ 130	2.5V	Weight after removing from Washing Machine
40% ~ 20%	100 ~ 20	2.0V ~ 4.0V	Damp Dry
10% ~ Dried clothes	205 ~ 240	Over 4.0V	Completely-dried clothes

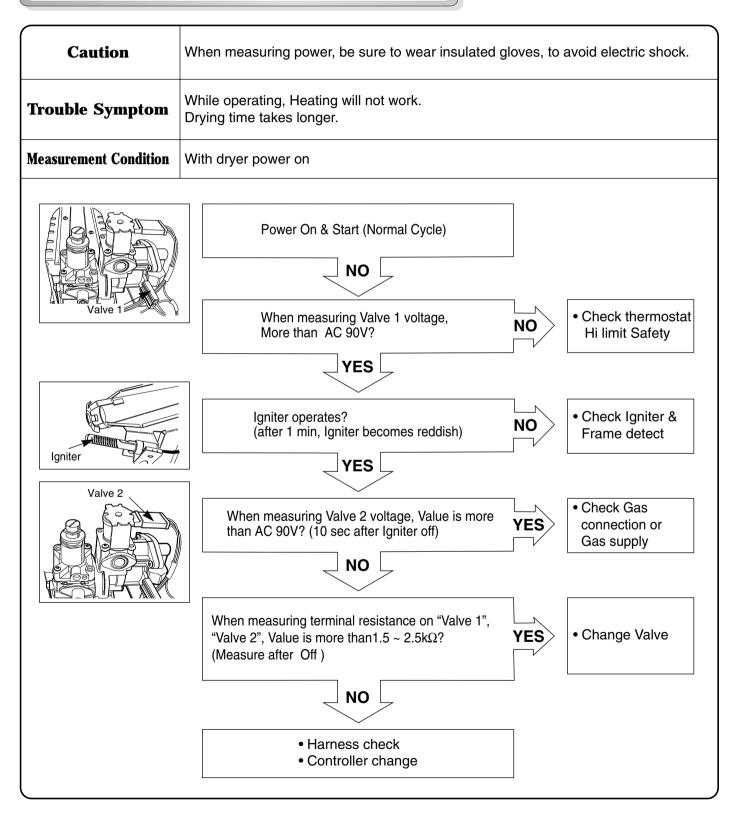
Test 5 Door switch test



Test 6 Heater switch test - Electric Type

Caution	Before measuring resistance, be sure to turn Power off, and do voltage discharge. (When discharging, contact the metal plug of Power cord with earth line.)							
Trouble Symptom	While operating, Heating will not work. Drying time takes longer.							
Measurement Condition	After turning Power off, measure the resistance.							
	 Is resistance between Heater terminal and ② below 18 ~ 22Ω? Is resistance between Heater terminal 	NO	Replace Heater.					
	YES	_						
TH3 TH2	Check if the value of measured resistance is below 1Ω between terminal TH2 (Safety Thermostat)	NO	Replace TH2 (Safety Thermostat).					
	Check if the value of measured resistance is below 1Ω between terminal TH3 (HI-Limit Thermostat).	NO	• Replace TH3 (HI-Limit Thermostat).					
	YES	_						
	Check Motor. Check if the value of measured resistance is below 1Ω between terminal (1) and (10) at RUN condition.	NO	Check Motor and replace it.					
	YES	_						
	Check Controller. Check Harness-linking Connector.							

Test 7 GAS Valve test - Gas Type





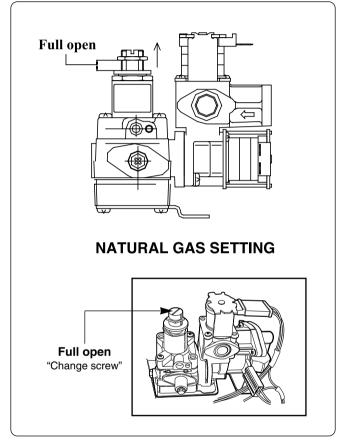
CHANGE GAS SETTING (NATURAL GAS, PROPANE GAS)

A Warning

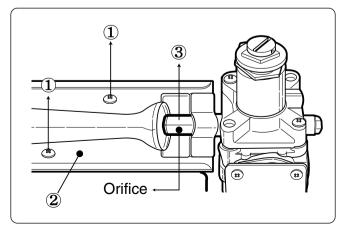
After Natural Gas Setting, applying Propane Gas Orifice or wrong use of Natural Gas Orifice will result in fire. Conversion must be made by a qualified technician.

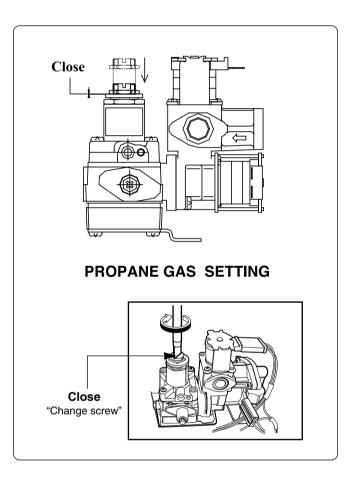
Initially, Natural Gas mode is set. Propane Gas Orifice is on sale as a Service Part to authorized servicers only.

STEP 1 : VALVE SETTING



STEP 2 : ORIFICE CHANGE



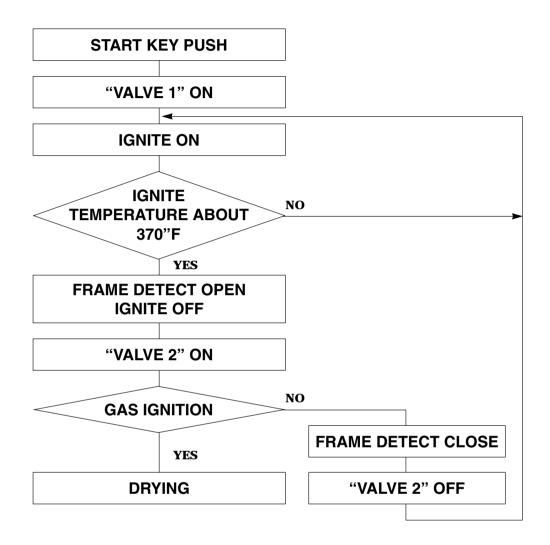


- Remove 2 screws.
- (2) Disassemble the pipe assembly.
- (3) Replace Natural Gas orifice with Propane Gas orifice.

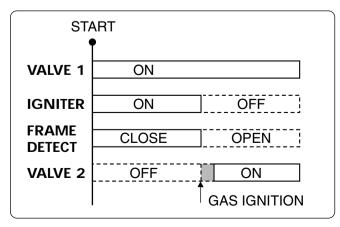
Gas type	Orifice P/No	Marking	Shape
Natural Gas	4948EL4001B	NCU	
Propane Gas	4948EL4002B	PCU	

Kit contents : Orifice (Dia. = 1.613mm, for Propane Gas) : Replace Label : Instruction sheet

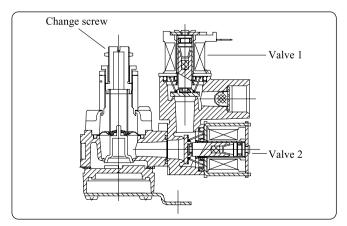
■ GAS VALVE FLOW



GAS IGNITION



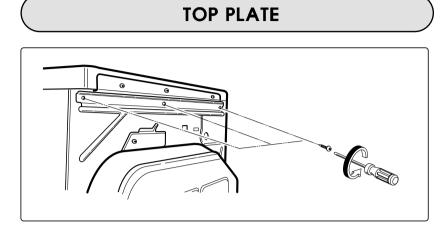
GAS VALVE STRUCTURE



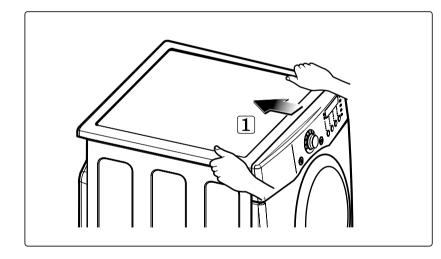


DISASSEMBLY INSTRUCTIONS

* Disassemble and repair the unit only after pulling out power plug from the outlet.



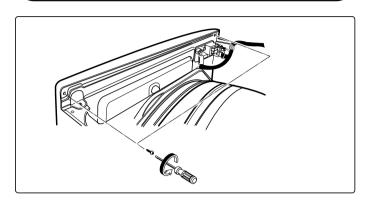
1. Remove 3 screws on the upper plate.



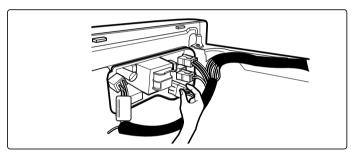
2. Push the top plate back ward.

- 3. Lift the top plate

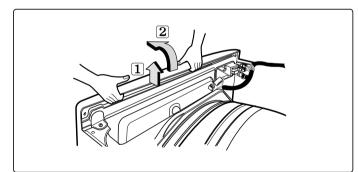
CONTROL PANEL ASSEMBLY

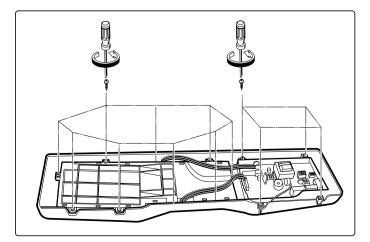


1. Remove 2 screws on the control panel frame.



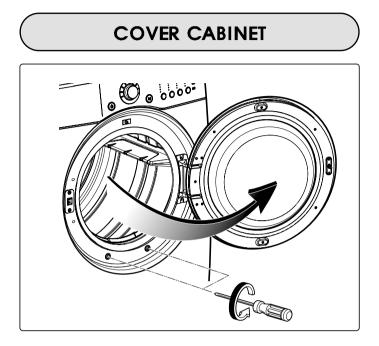
2. Disconnect the connectors.



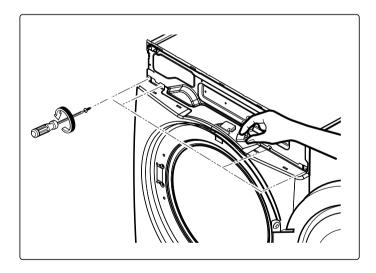


3. Pull the control panel assembly upward and then forward.

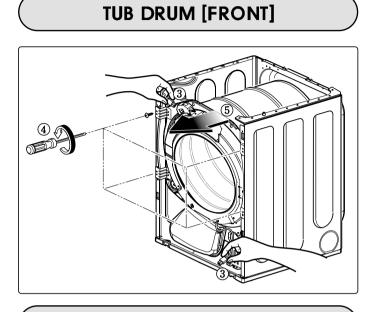
- 4. Remove 9 screws on the PWB(PCB) assembly, display.
- 5. Remove 4 screws on the PWB(PCB) assembly, main.
- 6. Disassemble the control panel assembly.



- **1.** Disassemble the top plate.
- 2. Disassemble the control panel assembly.
- **3.** Disassemble the door assembly.
- 4. Remove 2 screws.

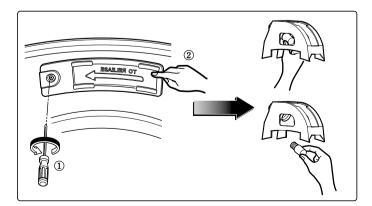


- 5. Remove 4 screws from the top of cabinet cover.
- 6. Disconnect the harness of door switch.



DRUM ASSEMBLY

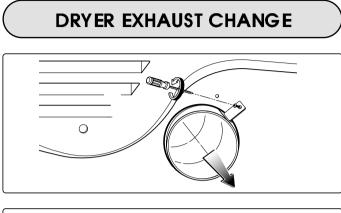
CHANGING THE DRUM LAMP

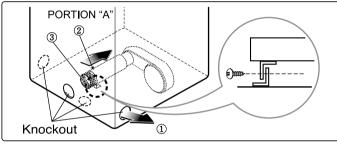


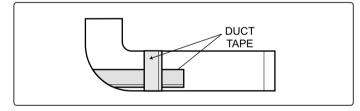
- **1.** Disassemble the top plate.
- 2. Remove Cover Cabinet.
- **3.** Disconnect the door lamp and electrode sensor connector.
- 4. Remove 4 screws.
- 5. Disassemble the Tub Drum [Front].

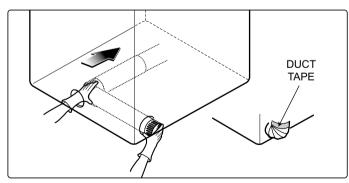
- **1.** Disassemble the top plate.
- 2. Remove the Cabinet Cover and Tub drum [front].
- **3.** Loosen belt from motor and idler pulleys.
- 4. Carefully remove Drum out.

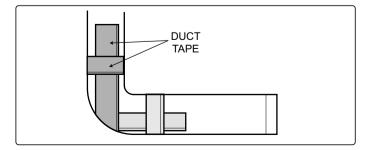
- 1. Disassemble the door.
- 2. Remove a screw by holding the drum lamp shield in place.
- 3. Slide the shield up and remove.
- **4.** Remove the bulb and replace with a 15 watt, 120 volt candelabra-base bulb.
- 5. Replace the lamp shield and screw.











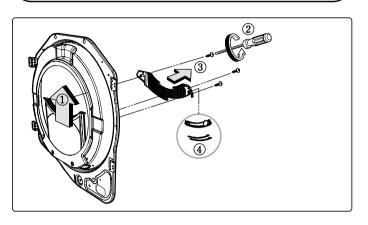
1. Remove a screw and exhaust duct.

- 2-1. Detach and remove a knockout at the botton, left or right side as desired. (Right Side Vent not available on Gas dryer)

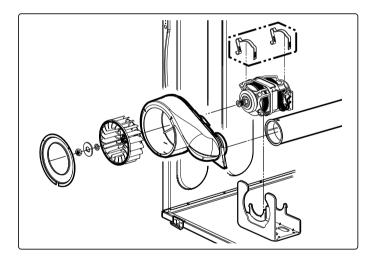
 (1), (2), (3) the order of work.
- **2-2.** Reconnect the another duct[11 in(28cm)] to the blower housing, and attach the duct to the base. (Duct is a SVC part)
- **3-1.** Pre-assemble 4" elbow with 4" duct. Wrap duct tape around joint.

3-2. Insert elbow duct assembly first through the side opening and connect the elbow to the internal duct.

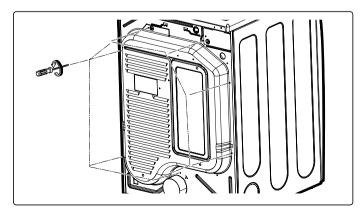
FILTER ASSEMBLY



BLOWER HOUSING

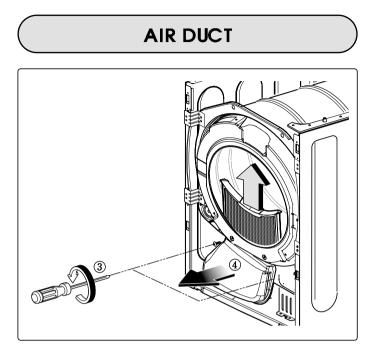


BACK COVER



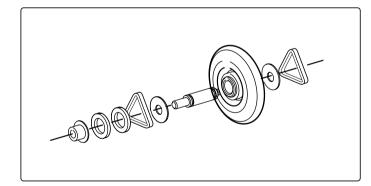
- **1.** Remove the filter.
- 2. Remove 3 screws.
- 3. Remove Cover Gride.
- 4. Disconnect electrode sensor.

- **1.** Disassembly the top plate.
- 2. Remove the Cabinet Cover and Tub Drum [Front].
- 3. Remove the Drum assembly.
- 4. Remove 2 screws and cover(Air guide).
- 5. Remove the bolt and washer.
- 6. Remove the fan.
- 7. Disconnect the motor clamp and motor.
- **1.** Disassemble the top plate.
- 2. Remove the Cabinet Cover and Tub Drum [Front].
- 3. Remove the Drum assembly.
- 4. Remove 7 screws.
- 5. Remove the Tub Drum [Rear] towards the front.



- **1.** Disassemble the top plate.
- 2. Remove the Cover Cabinet.
- **3.** Remove filter and 2 screws.
- 4. Remove the air duct.

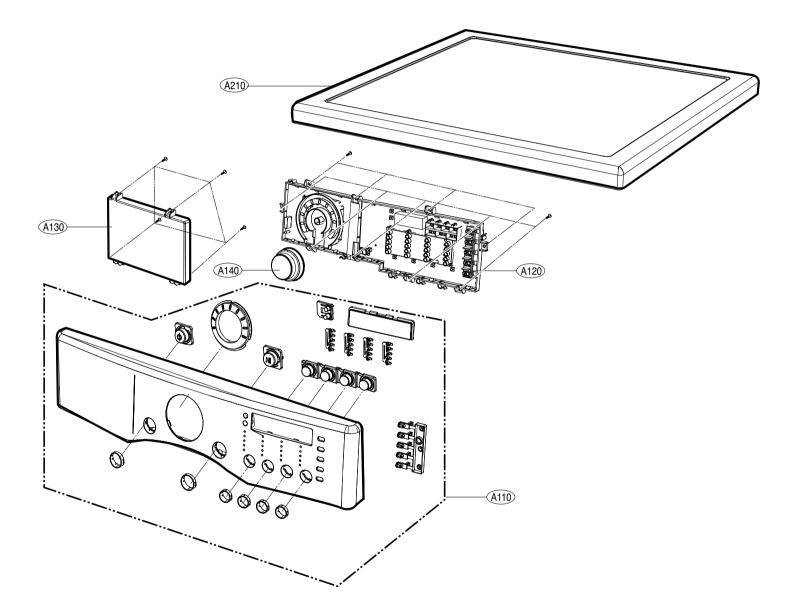
ROLLERS

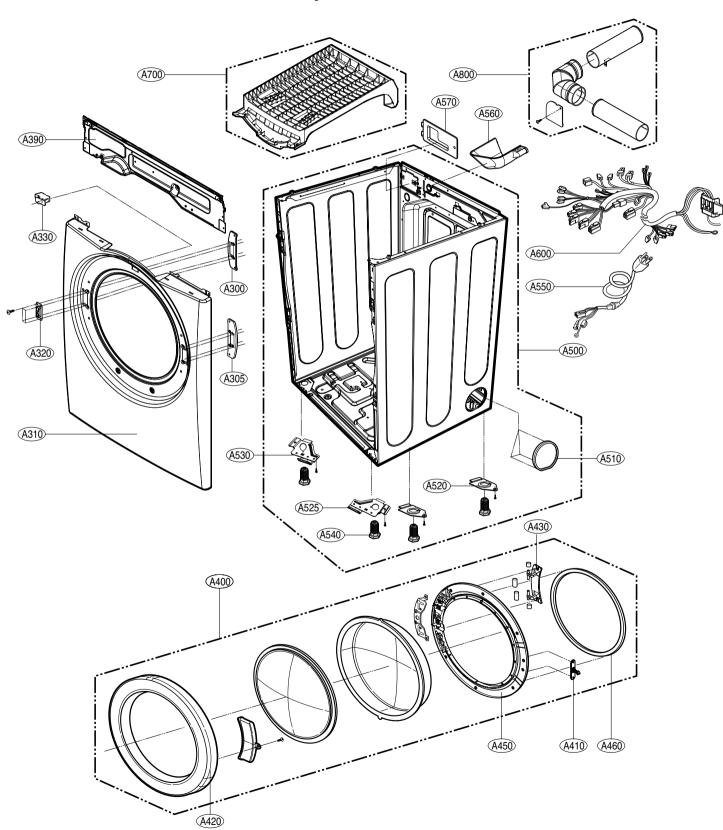


- **1.** Disassemble the top plate.
- 2. Remove the Cover Cabinet and Tub Drum [Front].
- 3. Remove the Drum assembly and Tub Drum [Rear].
- 4. Disconnect Air duct from the Tub Drum [Front].
- 5. Remove the roller from the Tub Drum [Front] and Tub Drum [Rear].

12 EXPLODED VIEW

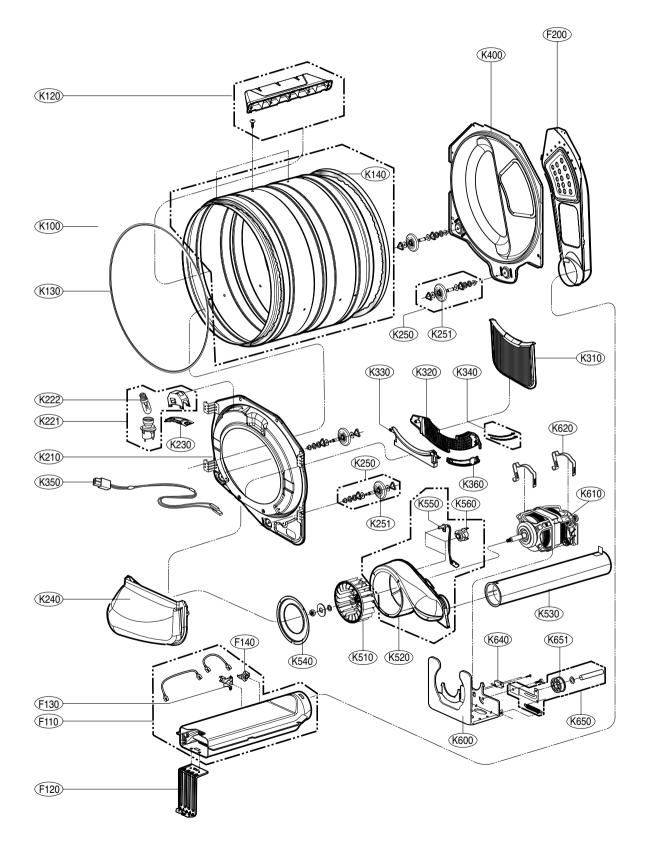
12-1. Control Panel & Plate Assembly

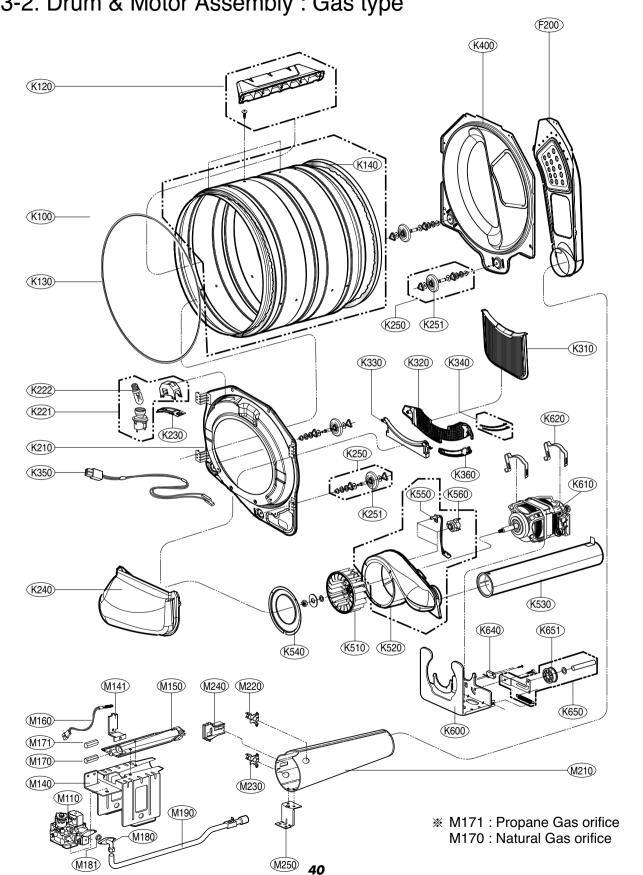




12-2. Cabinet & Door Assembly

12-3-1. Drum & Motor Assembly : Electric Type





12-3-2. Drum & Motor Assembly : Gas type