

Version1

2008.02.13

Service Guide

Tumble dryer

Asko TL751 XXLW
TL751 XXLT

 **ASKO**

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□ Tumble Dryer

1. Tumble Dryer Basics

Paddles in a rotating drum move the laundry front to back as hot air heated by electricity (or gas) dries the laundry using timed dry or sensor controlled dry programs.

◆ Large Capacity/Time-Saving

- A large quantity of laundry can be dried at a time, saving energy as well as time.

◆ Automatic Digital Dry

- The digital sensor measures the humidity of laundry for optimum drying.

◆ Large Door

- The dryer has a large transparent door for convenient monitoring of laundry.

◆ Lint Filter

- Lint and dust are filtered during the drying process.

◆ Sterilizing Dry

- The high-temperature air dries laundry with sterilizing effects.

◆ Drying Shoes

- The drying rack provided with the unit is helpful when drying shoes as well as sensitive fabric.

◆ Child Safety

- The drum stops automatically as soon as the door is opened. The unit will not restart until the Start button has been pressed.

3. Key Functions

◆ Dry Time

- Adjust the length of time for drying.

◆ Sensor Dry

- Automatically dry according to the types of laundry.

◆ Rack Dry

- Dry sensitive fabric (e.g. sweaters, silk, lingerie) on the rack.

◆ Anti-crease

- Prevent wrinkles in case laundry is left in the drum after the drying process.

◆ Damp Signal

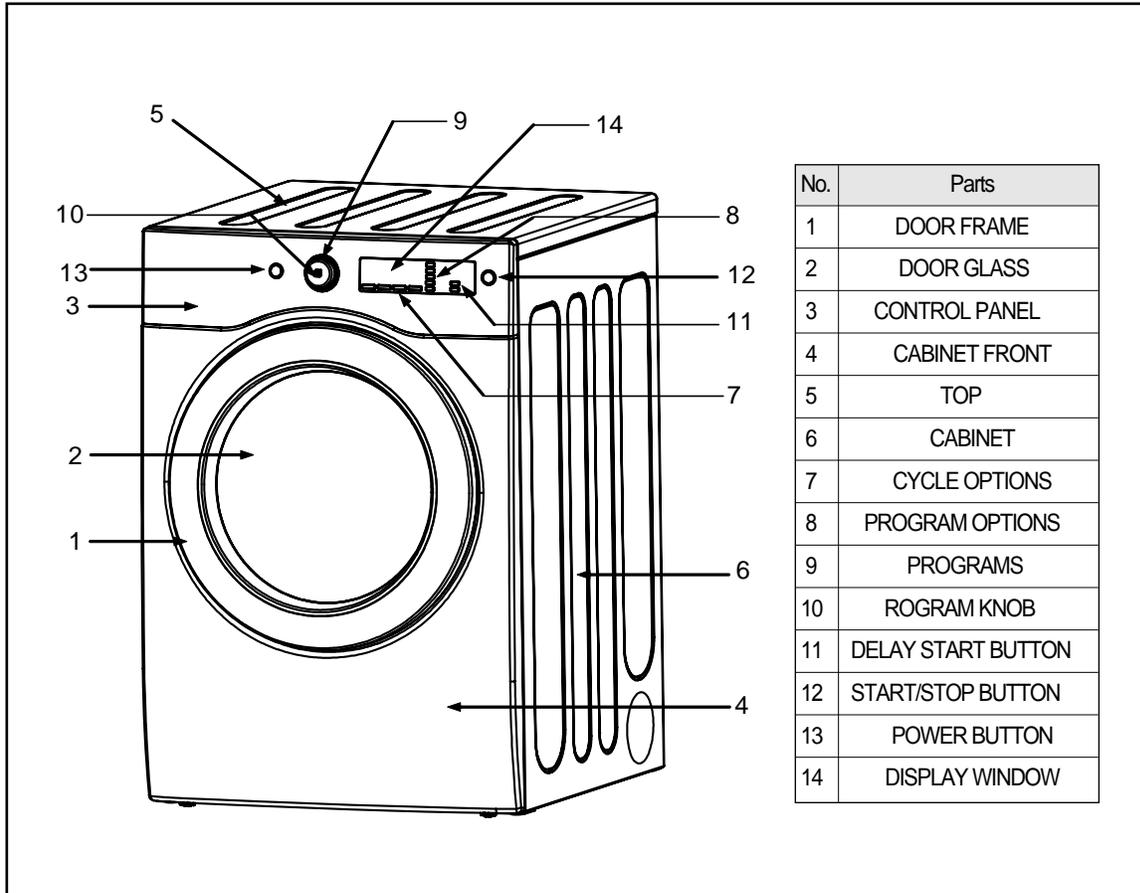
- Buzzer sounds when the laundry is just damp enough to be ironed.

◆ Delay Start

- Delays starting the unit for between 1-12 hours in 1 hour increments.

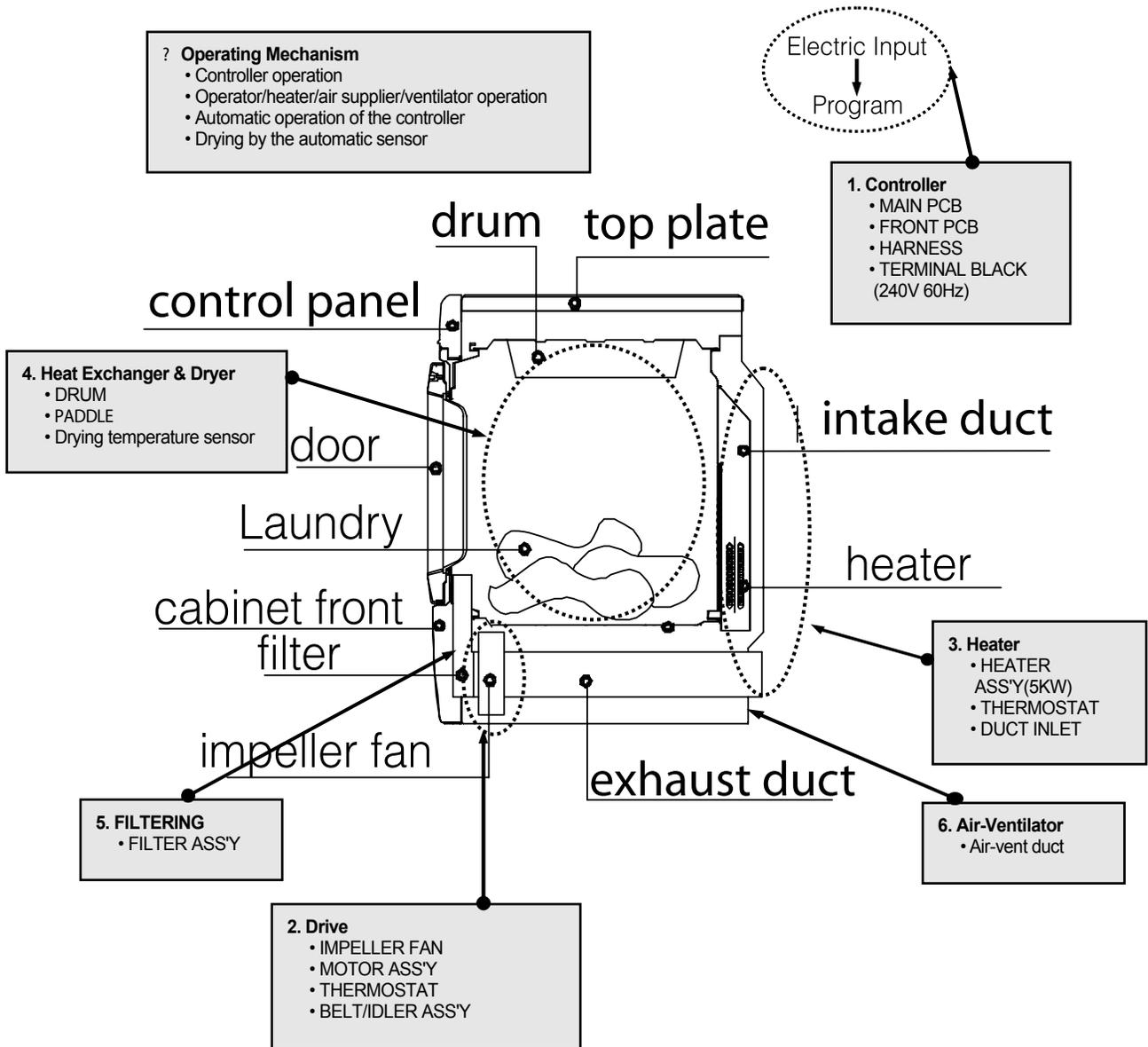
□ Dryer Specification

1. Product Overview



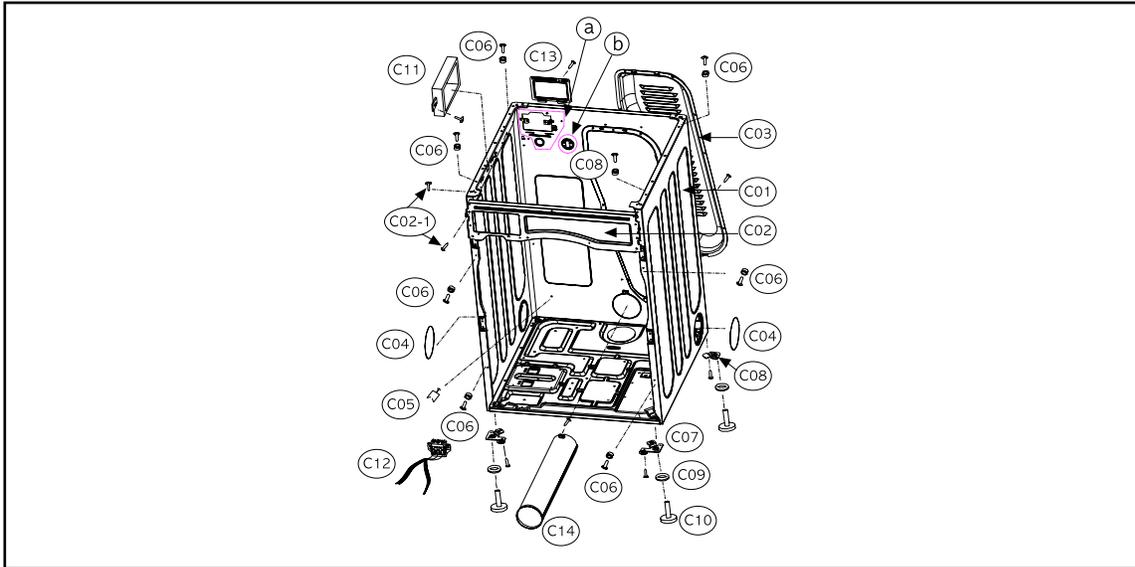
Dimensions	27"(W)x 32.4"(D)x 40.2"(H)
Weight	128 lbs(58.5 kg)
Capacity	IEC 7.3 cu.ft (22.9lb)
Rated Power	Power source : Electric
Rating	120/240V 60Hz
	23.5A 5300w

Operating Mechanism Diagram (Electric Type)



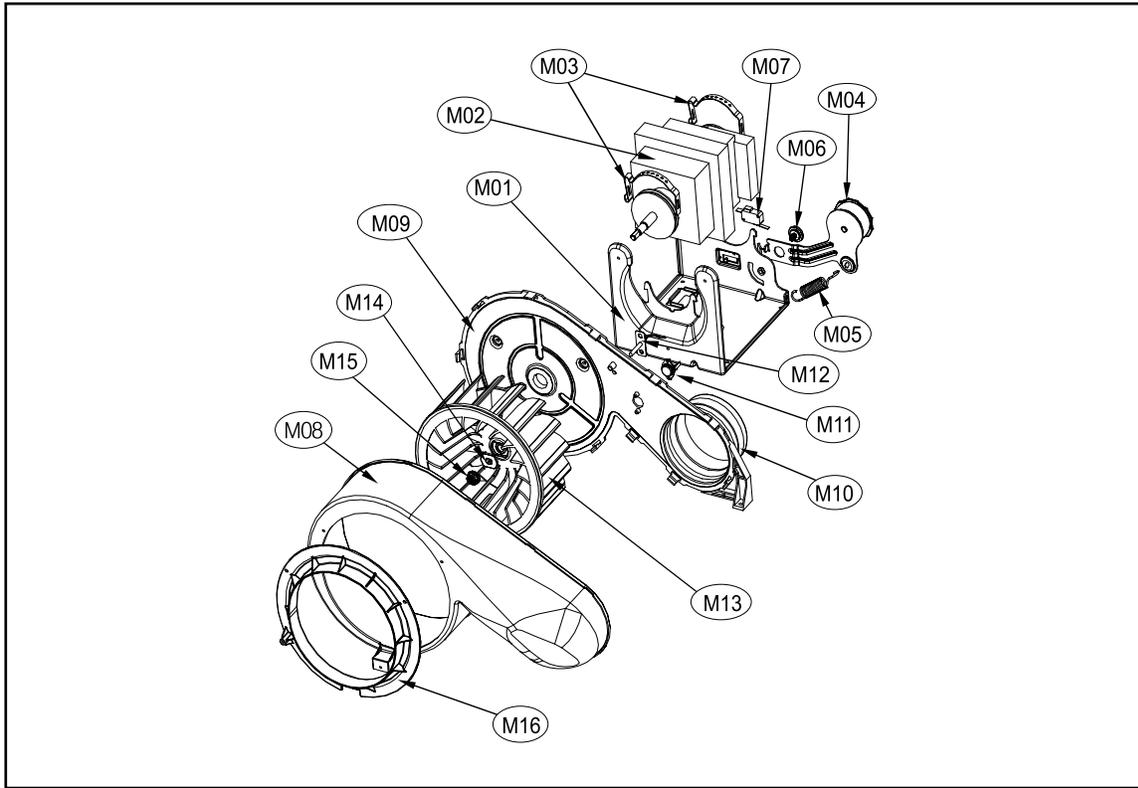
Parts List by Ass'y

1. CABINET ASS'Y



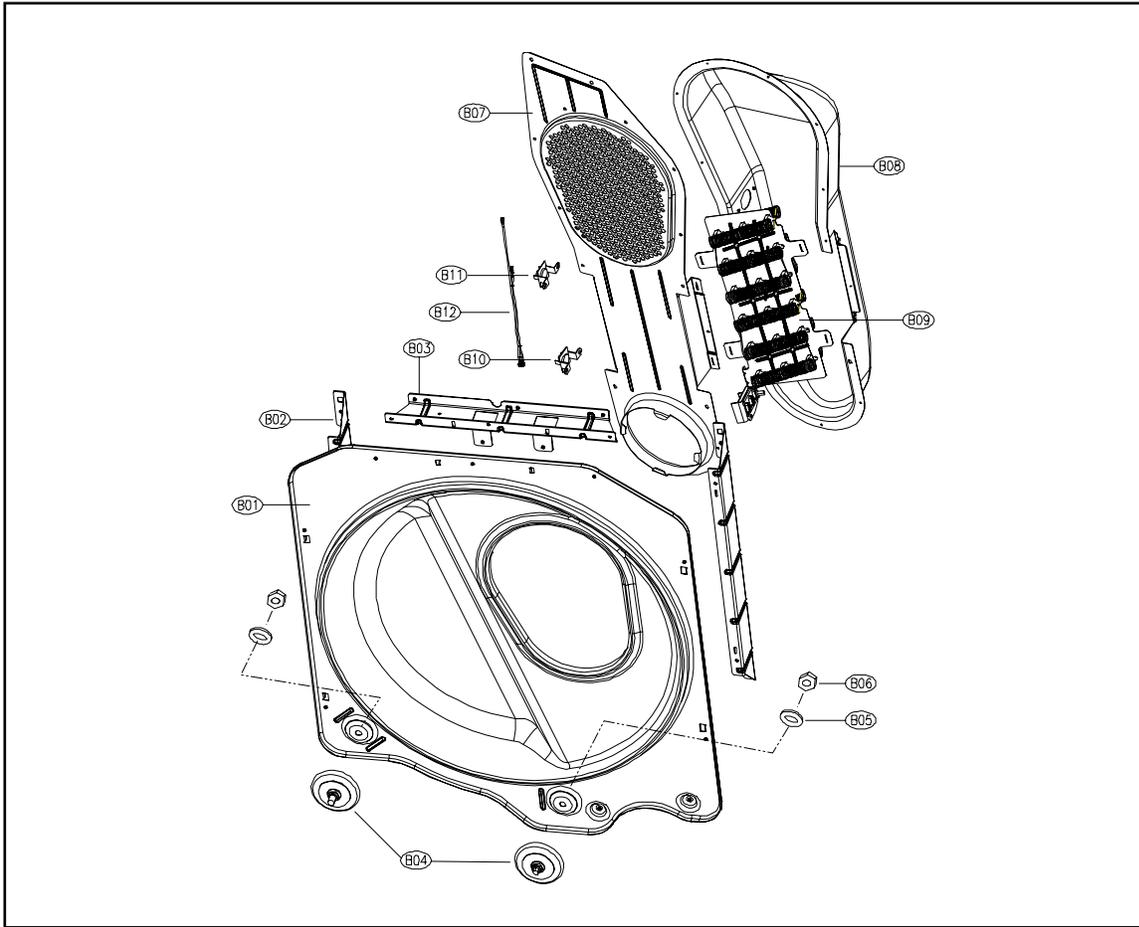
No.	Part Name	Part Code	Qt'y	Specifications	Color	Cost in USD(\$)	Remarks
C01	CABINET	3610812300	1	SGCC 0.8T	White		"1 Piece SVC Part : Cabinet+ Frame T+Base U caulking"
-	FRAME TOP L	3612206500	1	SGCC 1.6T	NA		
-	FRAME TOP R	3612206600	1	SGCC 1.6T	NA		
-	BASE U	3610392900	1	SGCD 0.8T	NA		
C02	FRAME UPPER	3612207900	1	SGCC 1.2T	NA		
C02-1	SCREW TAPPING	7122401411	6	T2S TRS 4x14 MFZN	NA		Fix Frame Upper to Cabinet
C03	COVER BACK	3611427900	1	SGCC 0.8T	NA		
-	SCREW TAPPING	7122401011	12	T2S TRS 4x10 MFZN	NA		Fix Cover Back to Cabinet
C04	COVER DUCT	3611428000	2	ABS	White		
			2	ABS	Titanium		
C05	LOCK HARNESS M	3613802300	14	NYLON	NA		Fix Harness(Cabinet & Base U)
C06	FIXTURE PLATE	3612008000	8	POM	NA		
-	SCREW TAPPING	7121401211	8	T2S PAN 4x12 MFZN	NA		Fix Fixture Plate to Cabinet
C07	SUPPORTER LEG F	3615304200	2	SECC 3.0T	NA		
C08	SUPPORTER LEG R	3615304300	2	SECC 3.0T	NA		
C09	FIXTURE LEG	3612006400	4	ABS	White		
C10	FOOT	3612100600	4	BUTYL, DWD-100DR	NA		
-	SCREW TAPPING	7122401411	8	T2S TRS 4x14 MFZN	NA		Fix Supporter Leg F/R to Base U
C11	PCB DRYER MAIN AS	PRPSSWAD45	1	UL, Electric Main	NA		Electric Type, Terminal Block
-	SCREW TAPPING	7122401411	2	T2S TRS 4x14 MFZN	NA		Fix Main PCB to Cabinet
C12	HARNESS AS	3612797000	1	UL, E-Dryer Main Harness	NA		Electric Type
-	SCREW TAPPING	7122401411	2	T2S TRS 4x14 MFZN	NA		Fix Terminal Block to Cabinet
-	SPECIAL SCREW	7S422X4081	2	TT3 TRS 4x8 SE MFZN	NA		Fix Earth wire to Cabinet & Base U
C13	COVER TERMINAL	3611428100	1	SGCC 0.8T	NA		
-	SCREW TAPPING	7122401411	1	T2S TRS 4x14 MFZN	NA		Fix Cover Terminal to Cabinet
C14	DUCT EXHAUST AS	3614413500	1	SGCC 0.5T	NA		
-	SCREW TAPPING	7112401008	1	T1 TRS 4x10 SUS	NA		Fix Duct Exhaust to Cabinet
-	LABEL CONNECTION	3613557900	1	WE31'S Wiring Connection	NA		Cabinet rear, English&French
-	LABEL CAUTION CAB	3613558000	1	WE31'S Caution	NA		Cabinet rear, English&French
-	LABEL WARNING CAB	3613558100	1	WE31'S Warning	NA		Cabinet rear, English&French

2. DRYER MOTOR ASS'Y



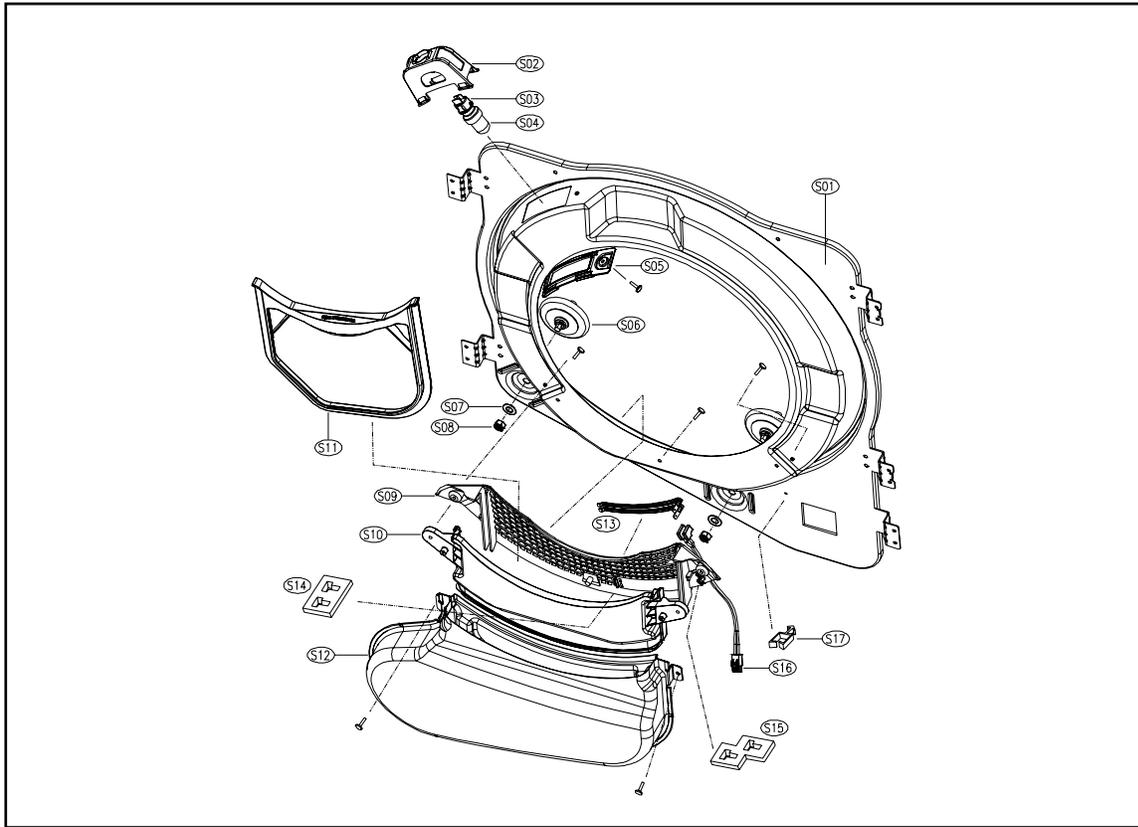
No.	Part Name	Part Code	Qt'y	Specifications	Color	Cost in USD(\$)	Remarks
M01	BRACKET MOTOR	3610608500	1	SGCC 2.0T	NA		
-	SCREW TAPPING	7122401411	4	T2S TRS 4x14 MFZN	NA		Fix Bracket Motor to Base U
M02	MOTOR DRYER	36189L5D00	1	AC120V 60Hz	NA		
M03	CLAMP MOTOR	3611206000	2	SK5 0.7T	NA		
M04	BRACKET IDLER AS	3610609100	1	DWR-WE31	NA		
M05	SPRING IDLER	3615115500	1	HSW3	NA		
M06	SPECIAL BOLT	3616003000	1	S18A M6x10(FLANGE)	NA		
M07	SWITCH MICRO	3619047500	1	UL16A,250AC, HINGE LEVER, N-C, 200G	NA		
-	SCREW TAPPING	7121301611	2	T2S PAN 3x16 MFZN	NA		Fix Micro s/w to Bracket Motor
M08	CASE FAN F	3611144900	1	PP(Heat resisting)	NA		
M09	CASE FAN R	3611145000	1	PP(Heat resisting)	NA		1 Piece SVC Part
M10	GASKET PIPE	3612323200	1	EPDM, 320x15x2.0T	NA		
-	SCREW TAPPING	7122401411	3	T2S TRS 4x14 MFZN	NA		Fix Case Fan R to Bracket Motor
-	SCREW TAPPING	7112401411	2	T1 TRS 4x14 MFZN	NA		Fix Case Fan to Base U
M11	THERMOSTAT FAN	3619047620	1	UL.700N.85OFF.125V/15A,250V/7.5A	NA		
-	SCREW TAPPING	7121300811	2	T2S PAN 3x8 MFZN	NA		Fix Thermostat Fan to Case Fan
M12	THERMISTOR FAN	361AAAAC20	1	UL-DRYER. R40=26.065K.R90=4.4278K	NA		
-	SCREW TAPPING	7122401411	1	T2S TRS 4x14 MFZN	NA		Fix Thermistor Fan to Case Fan
M13	IMPELLER FAN AS	3611886200	1	PP(Heat resisting)+BUSHING	NA		
M14	SPECIAL WASHER	3616039100	1	SPC	NA		
M15	SPECIAL NUT	3616039200	1	NUT HEX 3/8-24 UNF LH	NA		
M16	COVER FAN	3611428200	1	PP(Heat resisting)	NA		
-	SCREW TAPPING	7122401411	2	T2S TRS 4x14 MFZN	NA		Fix Cover Fan to Case Fan

3. SUPPORT DRUM REAR ASS'Y



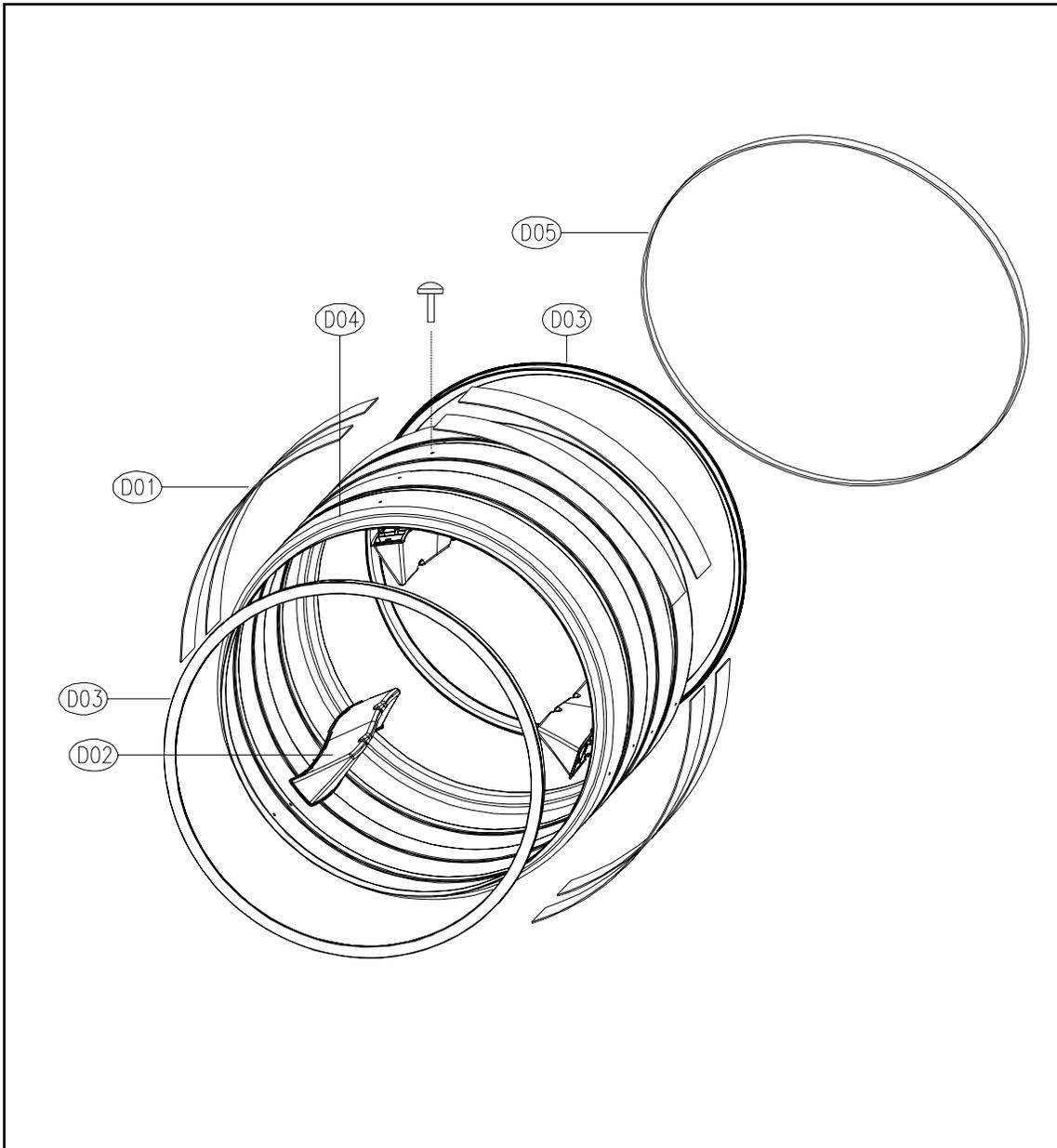
No.	Part Name	Part Code	Qt'y	Specifications	Color	Cost in USD(\$)	Remarks
B01	SUPPORT DRUM REAR	3615304500	1	STS430 J1L BB 0.8t	NA		
B02	BRACKET SUP.R-SIDE	3610608800	2	SGCC 1.0t	NA		
B03	BRACKET SUP.R-UPPER	3610608900	1	SGCC 1.0t	NA		
-	SCREW TAPPING	7122401411	7	T2S TRS 4x14 MFZN	NA		Fix Bracket Sup.U & S to Cabinet
B04	ROLLER AS	3614714400	2	WE31'S Roller As	NA		
B05	WASHER SHAFT	3616039400	2	T=1.0 ID=10.5 OD=21	NA		
B06	NUT HEX	3616039300	2	M10 P1.5	NA		Fix Roller Assy to Sup.Drum R
B07	DUCT INLET FRONT	3617510300	1	ALCOSTA 0.7t	NA		Electric Type
B08	DUCT INLET REAR	3617510200	1	ALCOSTA 0.7t	NA		Electric Type
B09	HEATER DRYER AS	3612802500	1	240V 5,000W	NA		1 Piece SVC Part
B10	THERMOSTAT SAFETY	3619047610	1	UL,PCC,140OFF/-35ON,250V/25A	NA		
B11	THERMOSTAT HI-LIMIT	3619047600	1	UL,EMERSON,125-OFF/94-ON,250V/25A	NA		
B12	HARNES HEATER(DRYER)	3612797100	1	UL1015 AWG12	NA		Sub Heater wire
-	SCREW TAPPING	7122400811	12	T2S TRS 4x8 MFZN	NA		Fix Duct Inlet F&R
-	SCREW TAPPING	7122400811	4	T2S TRS 4x8 MFZN	NA		Fix Thermostat to Duct Inlet
-	SCREW TAPPING	7122401411	6	T2S TRS 4x14 MFZN	NA		Fix Duct Inlet to Sup. Drum R

4. SUPPORT DRUM FRONT ASS'Y



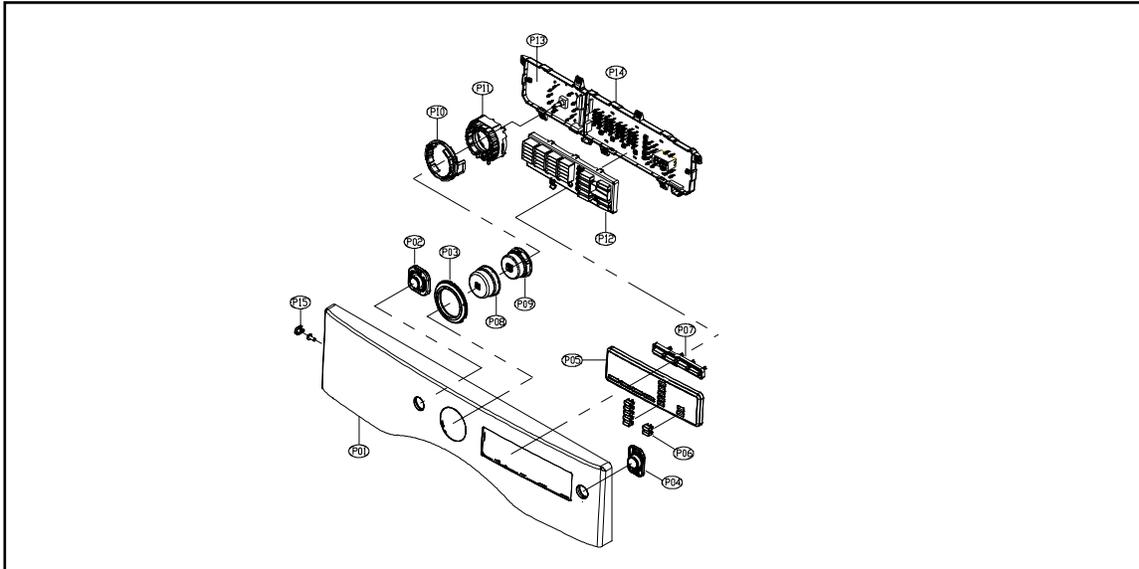
No.	Part Name	Part Code	Qty	Specifications	Color	Cost in USD(\$)	Remarks
S01	SUP. DRUM-F	3615304600	1	SECD 0.8t,Painting	White		
			1	SECD 0.8t, Painting	Gray		
S02	HOUSING LAMP	3613053400	1	PP(Heat resisting)	NA		
S03	SOCKET LAMP	3613053300	1	14 BASE LEAD WIRE TYPE	NA		
S04	LAMP	3613625400	1	AC 125V 15W	NA		
S05	WINDOW LAMP	3615505100	1	ABS(Transparent)	Blue		
-	SCREW TAPPING	7112401208	1	T1 TRS 4x10 STS	NA		Fix Window Lamp to Sup Drum F
S06	ROLLER AS	3614714400	2	WE31'S Roller As	NA		
S07	WASHER SHAFT	3616039400	2	T=1.0 ID=10.5 OD=21	NA		
S08	NUT HEX	3616039300	2	M10 P1.5	NA		
S09	BODY FILTER R	3611909700	1	PP(Heat resisting)	Gray		
S10	BODY FILTER F	3611909600	1	PP(Heat resisting)	Gray		
S11	FILTER DUST AS	3611909500	1	PP+NYLON MESH	Gray		Insert injection
S12	DUCT OUTLET AS	3617500400	1	DWR-WE31, ALCOSTA 0.6t	NA		
-	SCREW TAPPING	7112401408	3	T2S TRS 4x14 STS	NA		Fix Body Filter to Sup. Drum F
-	SCREW TAPPING	7122401411	3	T2S TRS 4x14 MFZN	NA		Fix Duct Outlet As to Sup Drum F
S13	SENSOR MOISTURE	3614825500	2	STS430 2B 0.8T	NA		
S14	FIXTURE SENSOR A	3612009600	1	PP(Heat resisting)	Gray		Located center position
S15	FIXTURE SENSOR B	3612009700	1	PP(Heat resisting)	Gray		Located right position
S16	HARNESS SENSOR	3612797200	1	UL. DRYER. SUB-SENSOR	NA		
S17	LOCK HARNESS	3613802400	1	M TYPE 15x19	NA		Fix Harness Sensor to Sup Drum F

5. DRUM ASS'Y



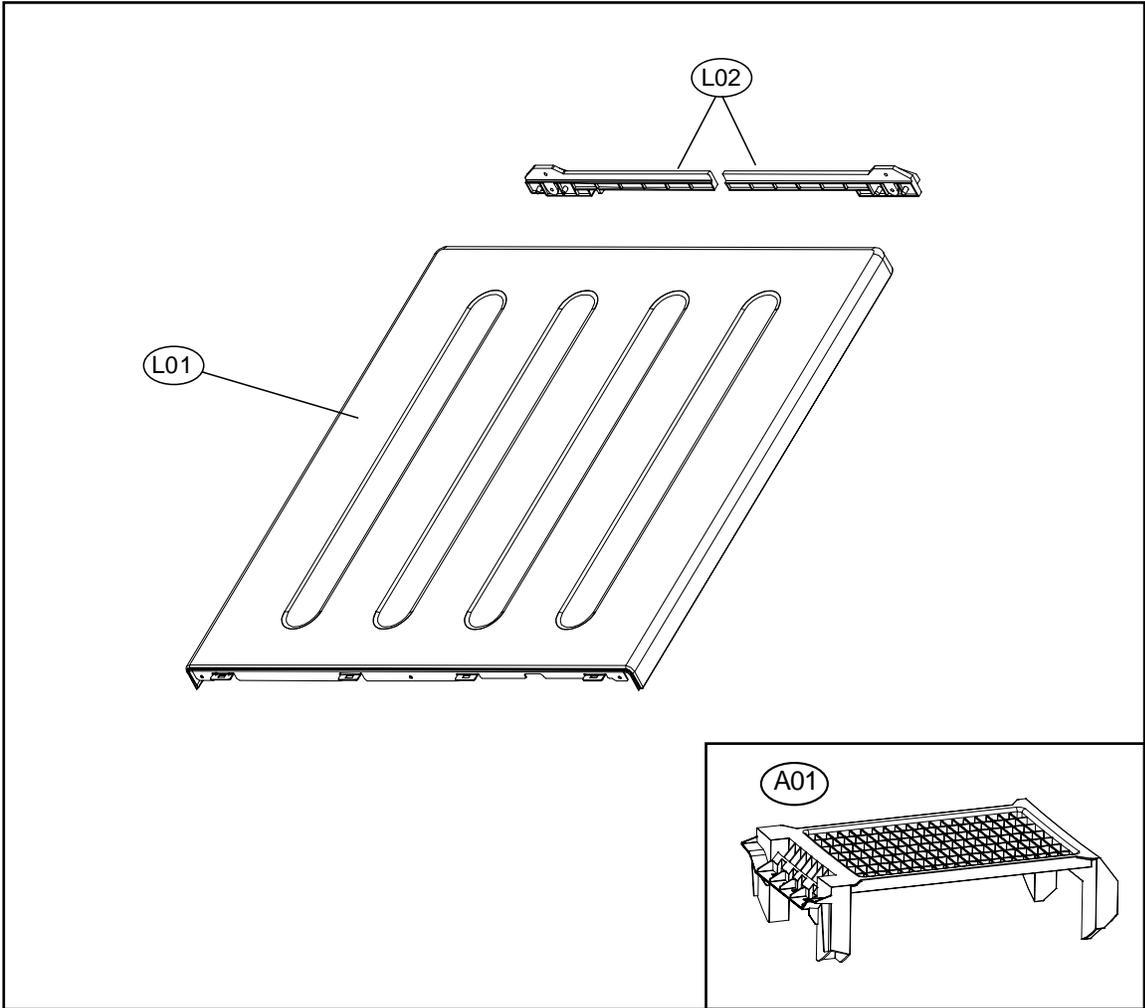
No.	Part Name	Part Code	Qt'y	Specifications	Color	Cost in USD(\$)	Remarks
D01	PAD DRUM	361411100	6	BUTYL, 670x70x2t	NA		1 Piece SVC Part : Bonding
D02	LIFTER	361A401000	3	PP(Heat resisting)	Gray		
-	SCREW TAPPING	7122502008	12	T2 TRS 5x20 STS	NA		Fix Lifters to Drum
D03	SEAL DRUM AS	3614010600	2	Felt+Synthetic leather	NA		1 Piece SVC Part : Bonding
D04	DRUM	3617010000	1	SUS 0.5t φ660 x 570	NA		
D05	BELT V	3616591200	1	POLY TYPE 2,340mm	NA		

7. PANEL ASS'Y



No.	Part Name	Part Code	Qty	Specifications	Color	Cost in USD(\$)	Remarks
P01	PANEL F	3614288900	1	ABS + SILK PRINT	White		
			1	ABS + SILK PRINT	Titanium		
P02	BUTTON POWER	3616637800	1	ABS + SILK PRINT	White		
			1	ABS + SILK PRINT	Titanium		
P03	WINDOW COURSE	3615506300	1	ABS(Transparent) + Film	White		ABS + Film in-mold injection
			1	ABS(Transparent) + Film	Titanium		
P04	BUTTON START	3616637900	1	ABS + SILK PRINT	White		
			1	ABS + SILK PRINT	Titanium		
P05	WINDOW DISPLAY	3615506400	1	ABS(Transparent) + Film	White		ABS + Film in-mold injection
			1	ABS(Transparent) + Film	Titanium		
P06	BUTTON OPTION	3616638100	7	ABS	White		
			7	ABS	Titanium		
P07	BUTTON FUNCTION	3616638000	1	ABS	White		
			1	ABS	Titanium		
P08	DIAL KNOB OUTER	3616638200	1	ABS	White		1 Piece SVC Part
			1	ABS	Titanium		
P09	DIAL KNOB INNER	3616638300	1	ABS	White		
			1	ABS	Titanium		
P10	LED COURSE	3613054700	1	ABS(Transparent)	NA		
P11	HOLDER COURSE	3613054500	1	ABS	NA		1 Piece SVC Part
P12	HOLDER FUNCTION	3613054600	1	ABS	NA		
P13	PCB F AS	PRPSSWAD55	1	ASKO Elec Front PCB As	NA		
P14	CASE PCB FRONT	3611147600	1	ABS	NA		
P15	CASE SCREW	3610917700	1	ABS	White		
			1	ABS	Titanium		
-	SCREW TAPPING	71224012411	1	T2S TRS 4x12 MFZN	NA		Fix Panel F to Frame Upper
-	SCREW TAPPING	71224012411	7	T2S TRS 4x12 MFZN	NA		Fix Case PCB F to Panel F
-	LABEL WIRING	3613557800	1	WE31'S WIRING	NA		Panel F Back

8. TOP ASS'Y



No.	Part Name	Part Code	Qt'y	Specifications	Color	Cost in USD(\$)	Remarks
L01	PLATE TOP	3614533010	1	SECD 1.2T	White		
			1	SECD 1.2T	Titanium		
L02	PLATE SUPPORTER AS	3615304110	2	ABS + EPDM	White		
			2	ABS + EPDM	Titanium		
-	SCREW TAPPING	7122401411	4	T2S TRS 4x14 MFZN	NA		Fix Plate Sup. to Plate T
A01	DRYER RACK	36124234000	1	PP(Heat resisting)	Gray		Accessory

PCB Function Specification

1. Front PCB Function Specification

Comprehensive function specification of the unit including operation of a 27-inch dryer (for use in U.S.) by drying programs and drying functions, control of electronic devices by PCB, operation by S/W, test function, error mode, and so on.

No.	Index	Descriptions	Miscellaneous
1	Features of the dryer	<ol style="list-style-type: none"> 1. Applied model: dryer for use in U.S & Canada. 2. Heating type: electric heater 3. Voltage: PCB, motor -120V/60Hz, HEATER - 240V/60Hz 4. PCB type: Front PCB (shared with other models) Main PCB Types - electric	
2	Programs and Operation	 <p>The diagram shows a circular control panel with several programs: Gentle, Synthetics, Everyday Wear, Towels, Bulky Items, Ultra Gentle, Iron Dry, Quick Dry, Freshen, and Air Dry. To the right is a digital display with a numeric keypad and several indicator lights. A legend below the display lists sensor drying programs (very dry, more dry, normal dry, less dry, damp dry, Dry Sensor) and timed drying programs (high, mid. high, medium, low, ultra low, 20 (min), Temp., Dry Time, Signal). Other features include Rack Dry, More Time, Less Time, Damp Signal, Delay Start, Anti-crease, and Child Lock. A note at the bottom right says '*press 3 sec'.</p> <ol style="list-style-type: none"> 1. Sensor drying Programs - 7 Timed drying Programs – 3 Options - 7 	
3	Adopted sensors	<ol style="list-style-type: none"> 1. Humidity sensor 2. Temperature sensor: at the duct outlet 	
4	Load control	<ol style="list-style-type: none"> 1. Motor 2. Electric heating type: heater/2.5KW/2 units 	
5	Display	<ol style="list-style-type: none"> 1. Program and operation display : Lamp LED and display 	

2. Detailed Descriptions

2-1. Setting by Courses

1) Sensor Dry Program

		SENSOR DRY PROGRAM			
		Synthetics	Everyday Wear	Towels	Bulky Items
DRY LEVEL	Very Dry	1:01	1:05	1:05	1:10
	More Dry	54	1:02	55	1:00
	Normal	47	59	50	55
	Less Dry	40	56	45	50
	Damp Dry	33	53	40	45
Dry Level Default		Normal	Normal	Normal	Normal
TEMP CONTROL		Medium	Mid High	High	High

		SENSOR DRY PROGRAM		
		Gentle	Ultra Gentle	Iron Dry
DRY LEVEL	Very Dry	1:00	55	-
	More Dry	50	45	-
	Normal	40	35	-
	Less Dry	30	25	-
	Damp Dry	20	20	25
Dry Level Default		Normal	Normal	Damp Dry
Temp Control		Low	Low	Ultra Low

- A. Temperatures are not changed in Sensor Dry Program so the initial setting is not altered.
- B. Temp Level is set to "High" while Dry Level is set to "Very Dry".
- C. All options of Dry Level can be selected in Sensor dry programs.
- D. The program can not be changed while the unit is running or has been paused.
- E. Dry times are approximate and will vary by load.

2) TIMED DRY PROGRAM

		TIMED DRY PROGRAM		
		Quick Dry	FRESHEN UP	AIR DRY
TEMP CONTROL	Time	30	30	35
	Temp Default	High	Mid high	-
DRY LEVEL		-	-	-
TEMP		Ultra Low ~ High	Ultra Low ~ High	-

- A. Temp can be selected in Timed Dry Programs.
- B. Dry Level can not be selected in Timed Dry Programs and Iron Dry.
- C. Operation time does not change even if Temp is changed.
- D. Dry Level and Program LED are off (not selected) if Dry Time is set while only Temp is on (the default set is High).
- E. Time can be changed by using More Time and Less Time buttons when Timed Dry Program and Dry Time are selected.
- F. Pushing More Time or Less Time button increases or decreases time by a minute. The maximum drying time is 1 hour and 50 minutes and minimum 10 minutes. This includes 5 minutes of cooling time.
- G. Dry times are approximate and will vary by load.

2-2. Operation

1) Overview

- Different operation processes are applied to Sensor Dry Programs and Timed Dry programs.
- Sensor Dry Programs judge the condition of laundry with humidity/temperature sensors so as to decide the appropriate dry level.
- Timed Dry Programs dry laundry per temperature/time conditions set by the operator.

2) Process of Sensor Dry Program

A. Power Button On

- “_ _ _” is displayed at LED window.
- Press Start Button to automatically select Everyday Wear Program.

B. Operation Selection

- Select dry program with the Program Knob.
- Buttons operate as per 2-1.
- The selected programs and options (Program/Dry Sensor/Temp./Dry Time/Signal) goes on.
- Option LED may go on and off according to your selection.

3) Process of Timed Dry Programs

A. Power Button On

- “_ _ _” is displayed at LED.
- “Check Filter” of Custom LED goes on and off before you press Start Button.
- “High” of initial Beeper goes on and the previous Beeper value is displayed when you switch on the power.

B. Operation Selection

- Select operation with Course Switch/Button.
- “Check Filter” of Custom LED goes on and off before you press Start Button. Once the unit starts operating, “Check Filter” goes off.
- Buttons operate as per 2-1.
- The selected Course/Dry Level/Temp Control/Time Dry/Beeper goes on and Custom LED displays Dry/Cooling.
- Option LED may go on and off according to your selection.

C. Operation Process

- Once operation starts, LED of Custom LED goes off.
- Humidity data are not produced and Heater is controlled by the temperature set by Temp Control.
- Time is not changed but drying/cooling continues during the time set initially.

4) Process of Time Dry Course

A. Selection of Time Dry

- Course Selection goes off.
- Dry Level can not be selected (Default: “High”) but only Temp Control.
- Buttons operate as per 2-1 (Same as Manual Dry).

B. Operation Process

- The process is the same as Manual Dry.
- “Check Filter” of Custom LED goes off if you press Start Button.

2-3. Operation of Load and Sensor

1) Operation of Heater - Electric Type

- On/Off goes on according to temperatures set or measured by the sensor. Regardless of the control by the microcomputer, however, the heater may go off if a temperature reaches Thermostat Off Temperature as per outlet conditions.
- As regards temperature setting, refer to 2-4 (button operation and temp control).
- If you stop the unit temporarily, the machine stops operating until it resumes the function.
- If Sensor Course is selected and Temp Control is set to Low or Ultra Low, only the outer heater operates. Two heaters function if other temperatures are selected.
- If Manual Course is selected and Temp Control is set to Low or Ultra Low, only the outer heater operates. Two heaters function if other temperatures are selected.
- If Time Dry Course is selected and Temp Control is set to Ultra Low, only the outer heater operates. Two heaters function if the temperature is set to Low.
- The heater goes off if Cooling or Wrinkle Care is selected.
- The heater goes off if Air-Dry of Manual Course is selected, for Temp Control is not available.

2) Operation of the Motor

- The motor continues its function once operation starts.
- The motor stops if you stop the unit temporarily.
- The motor continues to operate during Cooling.
- If Cooling or Wrinkle Care is selected, the motor turns on for 10 seconds and off for 5 minutes and 50 seconds.

3) Door Control

- The heater and motor operate only the door is closed.
- If the door is opened during the operation, the heater and motor turn off. If you press Start Button while the door is opened, LED goes on for a second.
- The unit operates only after the door is closed.

2-4. Operation of Buttons

1) Power

- A. The electric power switch turns on/off the display.
- B. Automatic switch off function
 - ① Power is immediately switched off after an operation is done.
 - ② Power is switched off after 10 minutes if no button is selected while power is on.
- C. Initial display when power goes on
 - ① LED of all courses goes on in order.
 - ② “_ _ _” is displayed at 18:88 LED.

2) Start/Pause

- A. Normal Course is operated if you press the button after switching on the power.
- B. Operation starts after you select one of 11 automatic and program courses.
- C. If you press this button while the unit is in operation, the on-and-off indicator goes on and the machine stops. If you press the button again, the operation is resumed.
- D. If you press Pause Button, other buttons or the encoder switch does not function. That is, you can not change the operation once it starts unless switching off the power.
 - ① Power is immediately switched off after an operation is done.
 - ② Power is switched off after 10 minutes if no button is selected while power is on.

3) Dry Level

- A. If you press this button, the following is displayed in order.
Normal-More Dry-Very Dry-Damp Dry-Less Dry-Normal
- B. Each level targets humidity as follows.

Dry Sensor	Initial humidity	Target humidity
Damp Dry	89	85% ~ 93%
Less Dry	94	91% ~ 98%
Normal	100	96% ~ 105%
More Dry	100	100% or higher
Very Dry	100	100% or higher

- C. You can select all levels in Sensor Dry Course but none in Manual Dry Course.

4) Temp

A. If you press this button, the following is displayed in order.

Medium - Mid High - High - Ultra Low - Low - Medium

B. Each level targets temperatures as follows.

Level	Target Temperatures	
	Heater-Off(°C)	Heater-On(°C)
High	63	56
Mid High	59	52
Medium	52	45
Low	48	41
Ultra Low	40	33

C. This is available only in Manual Dry Course not Sensor Dry Course.

5) Dry Time

A. If you press this button, the following is displayed in order.

40 - 50 - 60 - 20 - 30 - 40

B. Pushing More Time or Less Time button increases or decreases time by a minute. The maximum drying time is 1 hour and 50 minutes and minimum 10 minutes (the indicated time includes 5 minutes of cooling).

C. If you select Dry Time, Dry Sensor and Course LED go off. That is, you can not choose Dry Sensor and Course but only temperatures (default is High).

D. 5 levels of temperatures are available.

6) Signal

A. If you press this button, the following is displayed in order.

'High - ▼ - Low - ▼ - Off'

B. Then, the volume of the beeper changes.

C. You can not change the beeper while the unit is in operation or stops temporarily.

7) More Time

A. Pressing this button increases time by a minute.

B. The time increases up to 1:55 (minutes)

C. You can change time in Manual Dry Course and Time Selection. Also Anti-crease can be selected/cancelled.

8) Less Time

- A. Pressing this button decreases time by a minute.
- B. The time decreases up to 00:15 (minutes)
- C. You can change time in Manual Dry Course and Time Selection. Also Anti-crease can be selected/cancelled.

9) Delay Start

- A. Preset time indicates starting time of the cycle.
- B. When pressing Delay Start button, time changes in the order of 1 →2 →3 →4 → ... →12 →1.
- C. After selecting preset time, cycle change is possible before entering preset mode by pressing Start/Stop button. However, cycle cannot be changed after entering preset mode.
- D. To preset operation, select cycle →select preset time →press Start/ Stop button.
- E. The selected cycle is displayed for 3 seconds when pressing Start/Stop button after entering preset mode to check the selected cycle.

10) Rack Dry

- A. If you press Rack Dry button, time is set to 55 minutes without default temperature.
- B. Only Low or Ultra Low is selected with the operation of Heater 1.
- C. You can adjust time with More/Less button.
- D. Once Rack Dry is chosen, you can not select Anti-crease, Damp Signal.

11) Anti-crease

- A. Selecting Wrinkle Care does not change course time.
- B. In order to prevent wrinkle, the motor continues to run for 10 seconds and stops for 5 minutes and 50 seconds while the heater is off after all the operation (including cooling) finishes.
- C. The course stops only you press Start/Stop or Power button.
- D. You can select/cancel this course during operation or pause.

12) Child Lock

- A. Child lock mode begins by pressing and holding Child Lock for 3 seconds.
- B. In child lock mode, all the buttons, with the exception of power button are not operated.
- C. Child lock mode is cleared by pressing and holding Child Lock for 3 seconds again.

13) Damp Signal

- A. This button works only in Sensor Dry Course without changing time.
- B. The unit beeps every 3 seconds after the target humidity is achieved until the operation is finished.
- C. The beep stops if the door is opened or operation stops. When the operation is resumed, the beeper is off.

2-5. Option

Programs		Dry Sensor	Temperature	More Time Less Time	Rack Dry Anti-crease Delay Start	Damp Signal
Bulky Items	Default	Normal	High	X	O	O
	Select	All	X			
Towels	Default	Normal	High	X	O	O
	Select	All	X			
Everyday Wear	Default	Normal	Mid.High	X	O	O
	Select	All	X			
Synthetics	Default	Normal	Medium	X	O	O
	Select	All	X			
Gentle	Default	Normal	Low	X	O	O
	Select	All	X			
Ultra Gentle	Default	Normal	Low	X	O	O
	Select	All	X			
Iron Dry	Default	Damp dry	Ultra low	X	O	O
	Select	X	X			
Quick Dry	Default	-	High	O	O	X
	Select	X	Ultralow~high			
Freshen	Default	-	Mid High	O	O	X
	Select	X	Ultralow~high			
Air Dry	Default	-	-	O	O	X
	Select	X	X			

- A. If you select Rack Dry, the previous course and operation goes off.
 B. If you select Rack Dry, Anti-crease or Damp Signal is not available.

2-6. Error Mode

1) H1 error - Humidity sensor error

- ① This occurs when there is a short defect in the humidity sensor (the indicated value is lower than 22)
- ② The unit buzzes, indicating the error, every 10 minutes for 10 seconds.
- ③ The error display goes off when the power is switched on/off.

2) H2 error - Drying temperature sensor open/short error

- ① This occurs when there is a defect in the drying temp sensor or disconnection.
- ② The unit buzzes, indicating the error, every 10 minutes for 10 seconds.
- ③ The error display goes off when the power is switched on/off.

3) H5 error - Heater overheated

- ① This occurs when the temp sensor indicates 185°F (85°C) or higher.

4) Heater disconnection check and H4/H6 error

- ① No error is indicated in case of actual consumer use, for this mode checks heater defects through the following steps.
- ② The defect must be checked without any load.
- ③ How to enter the test mode: Push the power button while Dry Beep and More buttons are pressed at the same time.
- ④ Heater 1, Heater 2, and the motor are turned on.
- ⑤ Check the temp initially and 2 minutes later. Measure the difference.
If the difference is 20°C or greater, "OK" is indicated in the display.
If between 5°C~19°C, "H6" is displayed in the display, indicating disconnection of one heater.
If 5°C or below, "H4" is displayed in the display, indicating disconnection of two heaters.

2-8. TEST Mode

1) PCB TEST MODE

A. How to enter the mode: Turn the power on while pressing Dry Sensor and Temp. buttons.

B. Operation order : check load by pressing Dry Time button continually.

No.	Operation Load	Time (Sec)	DISPLAY	Miscellaneous
1	F PCB LED ALL On	6.0	ALL LED	
2	Humidity sensor check	2.0	1 : xx	
3	Temp sensor check	2.0	2 : xx	
4	Door S/W check	2.0	dc --> do	
5	Motor check	2.0		
6	Heater-Outer check	2.0	H1	
7	Heater-Inner check	2.0	H2	
8	Power off	0.3	F	
Total time		18 seconds		

Fixed resistance of the temp sensor : 1.7 K Ω

2) TEST MODE

A. How to enter the mode: Turn the power on while pressing Dry Sensor and Dry Time buttons.

B. Operation order: check load by pressing Dry Time button continually.

No.	Operation Load	Time (Sec)	DISPLAY	Miscellaneous
1	Motor On	0.5	1 : nr	
2	Heater 1 on	0.5	2 : H1	Current : 13A
3	Heater 2 on	0.5	3 : H2	Current : 23.5A
4	Heater 1, Heater 2 off	0.5	4 : nr	
5	Humidity sensor check	1.0	5 : number	Check based on the variations of numbers
6	Temp sensor check	0.5	6 : number	Surrounding temp indicated
	Open the door at 6th pressing	0.5	6:00	Motor off
	Press the start button after closing the door.	0.5	6: number (Motor on)	Door S/W check
	Power off	0.3	Power section	
Total time		About 5 seconds		

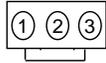
ELECTRIC DRYER PCB PIN LAYOUT

1. TL751

blue : AC INPUT

none

black : HEATER INNER



Heater operating relay

FRONT PCB SW,LED

purple : MOTOR

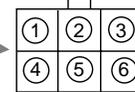
pink : DOOR CHECK



yellow : HEATER OUTER

none

white : AC INPUT



none orange : temp SENSOR2

red : Humidity SENSOR2

blue : HumiditySENSOR

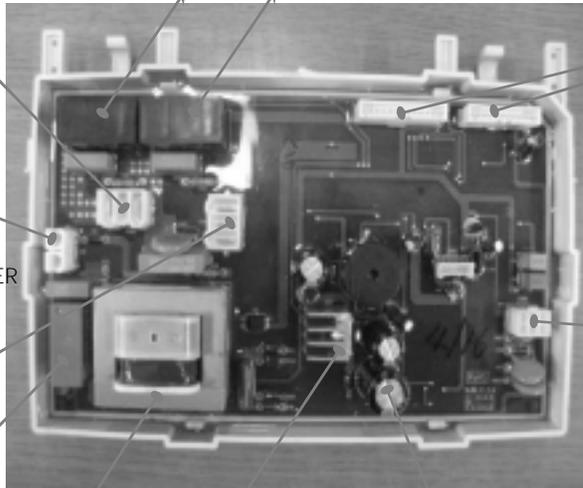
none, green : GND

MOTOR operating relay

TRANS

REGULATOR heat sink

electrolytic capacitorCapacitor

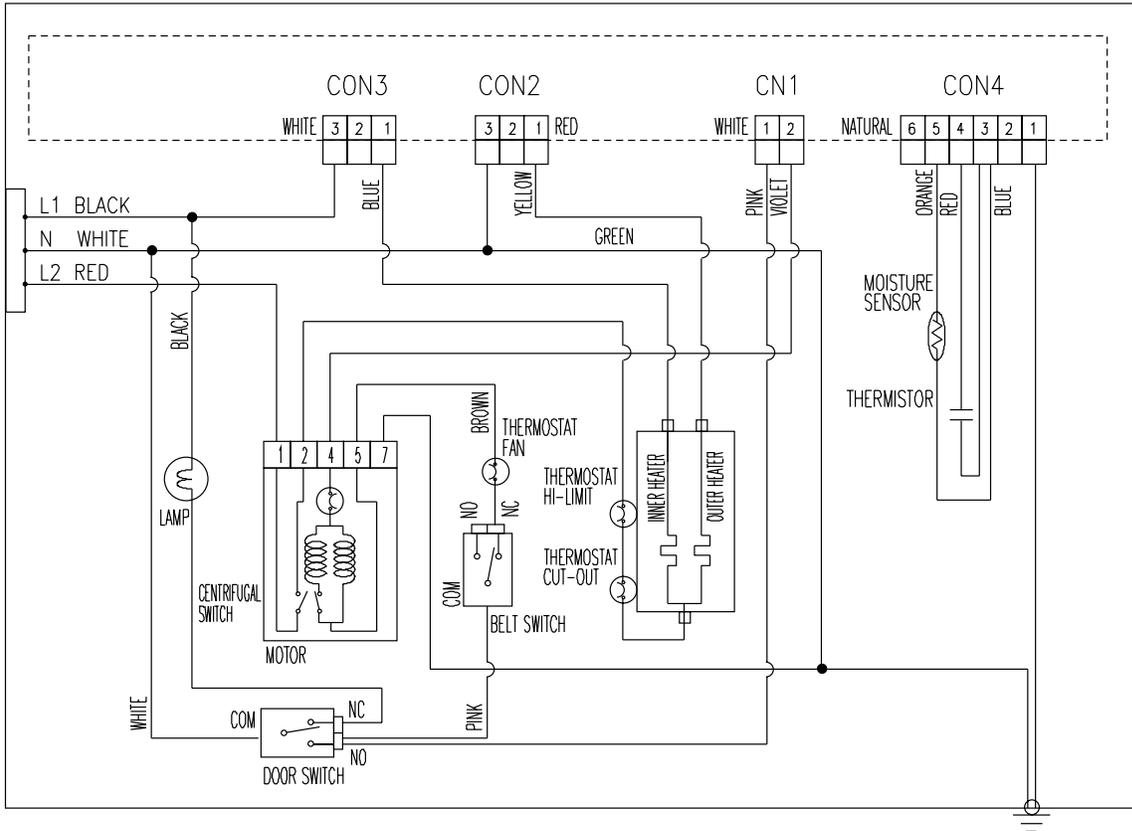


Drum Dryer Troubleshooter

POWER/NOISE

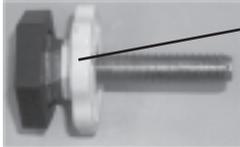
Trouble	Symptom	Cause	Solution
Power	Main power lead problem	A fault of Lead-in wire power	Call the electricity provider or an expert
		Fuse disconnection of service wire	
	Dryer wiring problem	Disconnection of the power cable (Connection fault)	Replace the power cable
		Disconnection of a controller terminal pin and connector	Plug in the connector
		Connection/terminal contact fault of a terminal block	Connect the wire
	Electric parts problem	Fuse disconnection	Replace the fuse
	Voltage problem	Rating for electric type: 120V/240V	Check the rating
	PCB problem	Pin connect contact fault	Check the rating
		Circuit fault	Replace PCB
		S/W fault of Panel F	Replace Panel F PCB
		Microcomputer error	Replace PCB
Broken plate		Replace PCB	
Harness disconnection		Replace/Connect Harness	
Noise	Noise at the initial operation	Installation	Place the unit on the flat ground
		Impurities in the drum	Remove the impurities
	Noise during the operation	Impurities on the fan	Disassemble the unit and remove the impurities
		Loosened fan	Tighten the fan
		Excessive laundry	Reduce the laundry
		Impurities between the drum and SUP F,R	Remove the impurities
		Friction of the belt	Replace the belt

ELECTRIC DRYER DIAGRAM



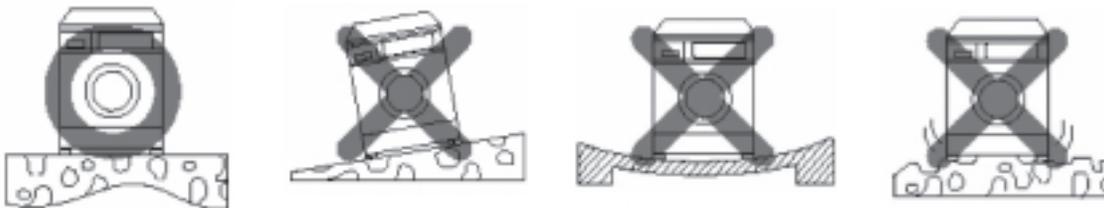
? Dryer Installation

1. Parts and the Form

Item	Form	Miscellaneous
UNIT SERVICE WRENCH		1 Used when raising the leg up and down
LEVELLING LEG	 FOOT LOCKING NUT	

2. Installation Order

- 1 Place the dryer on the flat ground. Keep the unit at least 12 inch away from the wall.



- 2 Check the 4 legs and the gap between the unit and floor. The dryer should be stable when you try to move the unit to the left or right.

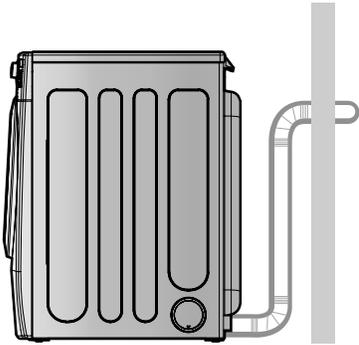
- ? Balance the unit on the floor with the leg adjustment so that the inclination is not greater than 1 inch.

Adjustment	Miscellaneous
	<ul style="list-style-type: none"> - Turn the leg clockwise to raise the unit - Turn the leg counterclockwise to lower the unit

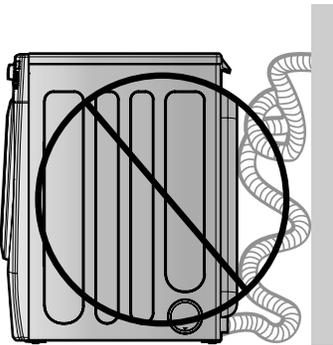
⑤ Tighten the lock nut up to the bottom of the unit once all adjustments have been made.

Adjustment	Miscellaneous
	<ul style="list-style-type: none">▶ Lock the legs in place by turning the locking nut clockwise so that the dryer is stable.

3. Outlet Duct Connection

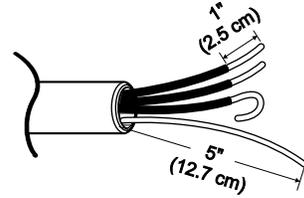


- ▶ Never use a plastic or aluminum foil duct.
- ▶ Use a durable 4-inch metal duct (the duct outlet is provided with the dryer. Ask local shops for an additional duct).
- ▶ Make the duct outlet the shortest possible length.
- ▶ Clean the duct before installation.
- ▶ Do not use a bent duct.
- ▶ Use aluminum tape for connection and rub for close adhesion.



4-wire connection : Direct wire

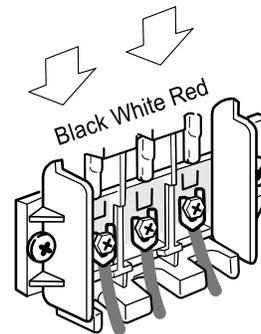
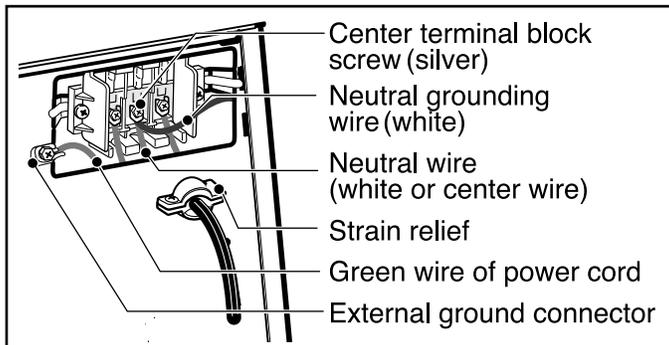
Important : Grounding through the neutral conductor is prohibited for (1) new branch-circuit installations, (2) mobile homes, (3) recreational vehicles, and (4) areas where local codes prohibit grounding through the neutral conductor. Prepare minimum 5 ft (1.52 m) of length in order for dryer to be replaced. First, peel 5 inches (12.7 cm) of covering material from end. Strip 5 inches of ground wire insulation. After cutting 1 1/2 inch (3.8 cm) from 3 other wires peel insulation back 1 inch (2.5 cm). 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 to the right) and pinch the hook together and screw tightly.

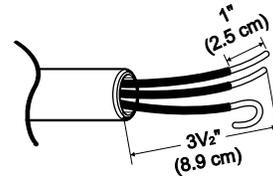
1. Connect neutral wire (white) of power cord to center terminal block screw.
2. Connect red and black wires to the left and right terminal block screws.
3. Connect ground wire (green) of power cord to external ground screw and move neutral ground wire of appliance and connect it to center screw.
4.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

Be sure that all terminal block nuts are on tight and power cord is in right position.



3-wire connection : Direct wire

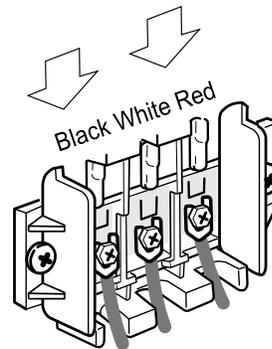
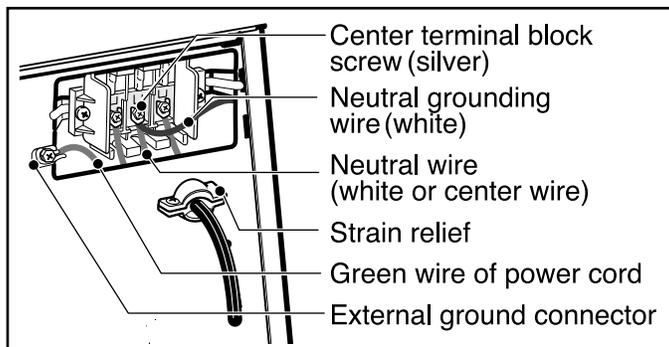
Important : Grounding through the neutral conductor is prohibited for (1) new branch-circuit installations, (2) mobile homes, (3) recreational vehicles, and (4) areas where local codes prohibit grounding through the neutral conductor. Prepare minimum 5 ft (1.52 m) of length in order for dryer to be replaced. First, strip 3 1/2 inches (8.9 cm) of outer sheath from end and strip 1 inch of insulation from each conductor.



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 tighten the screw securely.

1. Connect neutral wire (white) of power cord to center terminal block screw.
2. Connect red and black wires to the left and right terminal block screws.
3. Make sure that the strain relief screw is tightened.

Be sure that all terminal block nuts are on tight and power cord is in right position.



Dryer Service Notices

No.	Service	Parts	Notices
1	Replacing the humidity sensor	Humidity sensor	Be careful of the terminal connection
			Be careful of loose attachment
2	Replacing/attaching front panel assy.	PCB/BUTTON/HARNESS	Be sure that the front panel assy does not interfere with the drum after the service
	Replacing the paddle.	PADDLE	Remove the top place to replace this part.
4	Replacing drum roller	Drum roller	Be careful to notice the direction when installing the retaining washer
5	Replacing the terminal block	TERMINAL BLOCK	Be careful of wiring connection
6	Replacing the heater	Heating element	Do not use oversized screws
			Be sure of the proper assembly.
7	Replacing the sensor	Temp and safety sensor	Be careful of the direction / insertion of the connector. Use only standard screws.
8	Door assembly	Door hinge	Be careful not to scratch the door when fastening the screws to fix the door .
9	Disassembly/assembly of the door	Door	Be careful about the up/downward direction of door glass and insertion of a gasket. Use only standard screws.
10	Disassembly/assembly of the motor	MOTOR	Be careful not to pinch your finger when assembling the motor (hold the edge of the motor).
11	Replacing the belt	BELT	Be careful about the direction of the belt and insertion of fan/case fan (incorrect assembly may cause noise) as well as the connector.
12	Disassembling the drum	DRUM	Do not drop the motor.
			Be sure that he drum is accurately put into the roller of the front and rear support before fastening.

Electric Parts List - Electric Clothes Dryer

Part Name	Part Code	Type No	Rating	Major Functions
Interior light	3612625300	Lamp Holder: 4000 series	75W, 125V	Power is applied to the lamp to turn on the light in the drum when the door is opened.
		Lamp Base: E12	15W, 125V	
Door Switch	3619047700	SPE110F-1D3	7.5A 125V / 5A 250V AC	
Fan Thermistor	361AAAAC20	CWT-DEW-1C18-A	5V R40=26.065K Ω R90=4.4278K Ω	Thermistor fan senses the temperature of exhaust air and turns on/off the heater if the temperature is higher/lower than the set temp.
Belt Switch	3619047500	GSM-V1622A2	125V/250V 16A N-C	Micro switch detects a loosened or broken belt to shut off power to the motor.
Heater	3612802500	TGE-24050H	120V/2500W, 240V/5000W, Ni/Cr	2 2500-W heaters, consisting of Ni/Cr coils, are connected in a parallel circuit.
Dryer Motor	36189L5D00	S58NXSDD-6989	120V 60Hz 5.9A CL.B	The motor rotates the drum to dry laundry evenly and the fan to expel humid air.
Fan Thermostat	3619047900	PW3N	185°F (85°C) off 167°F (75°C) on 125V/15A 250V/7.5A	The fan detects excessively hot temperatures and turns off the motor as well as the heater in order to prevent clothes from discoloration.
Thermostat control	3619047600	60T11	257°F (125°C) Off 201°F (94°C) On 125V/25A 250V/25A	The control turns off the heater if the temperature achieves 125 to prevent overheating and on again if 94.
Thermostat cut-out	3619047800	PW3V	284°F (140°C) Off -22°F (-30°C) On 125V/25A 250V/25A	This part is a non-resettable safety device that prevents overheating in case of unusual conditions such as a clogged lint filter or outlet duct.

Fan Thermostat

Part Code : 361904790

1. Function

- This is a bimetal-type switch which protects the clothes from damage by overheating.
- If the exhaust air is too hot, this thermostat stops the motor and after the air is cooled down, it restarts the motor.



2. Specification

- A bimetal thermostat with the terminals normally connected
- Electric rating : 15A at 125V
- Opening temperature : 185°F (85°C)±5, Closing temperature : 167°F (75°C) ±5
- Type name : PW-3N

3. Checking method of malfunction

- If temperatures are normal, the terminals of this part are closed.
- Put the round metal part into boiling water and check if the resistance between the terminals drops to 0.3 or below.
- Put the same part into cold water and check if the terminals are opened.
- If the terminals do not react as mentioned above, replace them.

4. Procedure of replacement

- ① Remove Top Plate
- ② Remove Front Panel Ass'y
- ③ Remove Front Cabinet Ass'y
- ④ Remove Upper Frame Upper
- ⑤ Remove Drum Ass'y
- ⑥ Check the position of the part
- ⑦ Remove the wires and screws to disassemble the part.
- ⑧ Assemble the parts in reverse order.

Fan Thermostat



Thermostat Cut-Out

Part Code : 3619047800

1. Function

- This is a bimetal-type switch which protects the heater from overheating.
- If the heater is overheated abnormally, this thermostat cuts off the heater PERMANENTLY.
- Note that this thermostat is NON-RESETTABLE; if it is opened, it should be replaced by new one.



2. Specification

- A bimetal thermostat with the terminals normally closed
- Electric rating : 15A at 125V
- Opening temperature : 284°F (140°C) ±5, Closing temperature : -22°F (-30°C) ±5
- Type name : PW-3N

3. Checking method of malfunction

- If temperatures are normal, the switch is not opened.
- If the switch is opened (the resistance between the terminals is 100M or higher), replace it.
- Note) The switch is resettable under -22°F (-30°C) ±5 but the temperature can not be achieved in a household refrigerator.

4. Procedure of replacement

- ① Remove the back cover.
- ② Check the position of the part.
- ③ Remove the wires and screws to disassemble the part.
- ④ Assemble the parts in reverse order.

Thermostat Cut-out



Thermostat Control

Part Code : 3619047600

1. Function

- This is a bimetal-type switch which controls the heater operation.
- If the heater is too hot, this thermostat stops the heater and after the heater is cooled down, it restarts the heater.



2. Specification

- A bimetal thermostat with the terminals normally connected
- Electric rating : 25A at 125V
- Opening temperature : 257°F (125°C) ±5, Closing temperature : 201°F (94°C) ±5
- Type name : 60T

3. Checking method of malfunction

- After 3 minutes of the air dry program, the terminals of this part are closed.
- Press the power and start buttons while you push the door switch after opening the door.
- Check if the heater operates after the drum starts rotating.
(To do this, check if the heater turns red or feel warm air in the drum with your hands).
- If the heater operates, run the air dry program for more than 3 minutes after closing the door.
- Switch off the power and measure the resistance between the terminals. If the value is greater than 1, replace the switch.

4. Procedure of replacement

- ① Remove the back cover.
- ② Check the position of the part

Thermostat Control



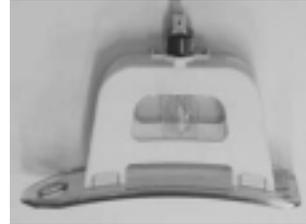
- ③ Remove the wires and screws to disassemble the part.
- ④ Assemble the parts in reverse order.

Lamp Assembly

Part Code : 3612625300

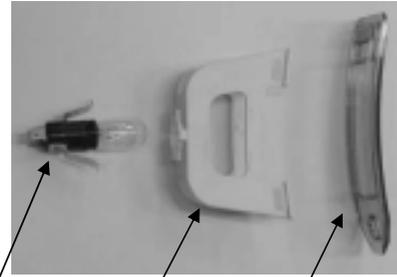
1. Function

- This is a lamp assembled with its bracket and window.
- If the user opens the door, the door switch gives electric power to this lamp and it turns on.



2. Specification

- An assembly of an electric lamp, bracket and window.
- Power consumption : 15W at 120V
- Type name : TGE-12015L

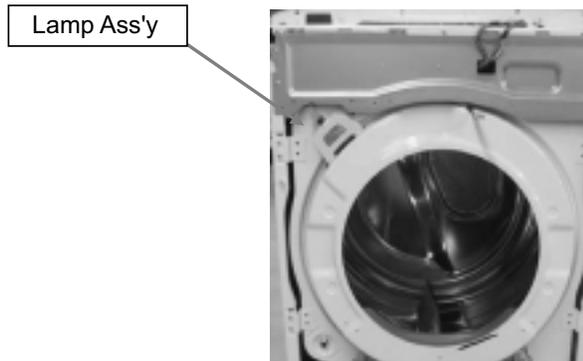


3. Checking method of malfunction

- The lamp is turned on when the door is opened.
- Selecting a program and press the start button.
- As the drum begins rotating, check if the lamp is turned on after opening the door.
If the drum does not rotate, check the door switch, belt switch, and thermostat fan.
- If the lamp is still off, remove the front panel assembly and check if 120v voltage is applied to the lamp.
- If the lamp is off even though the 120v voltage is being applied, replace the lamp.
If 120v voltage is not applied to the lamp, replace the door switch.

4. Procedure of replacement

- ① Remove top plate
- ② Remove front panel assembly
- ③ Remove the cabinet front assembly
- ④ Remove the wires and screws to disassemble the part.
- ⑤ Assemble the parts in reverse order.



Loosen the screws from the inside of the drum.



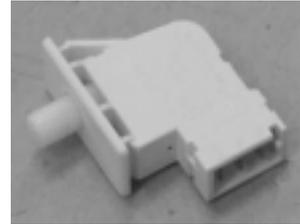
- ⑦ Remove the wires and screws to disassemble the part.
- ⑧ Assemble the parts in reverse order.

Door Switch

Part Code : 3619047700

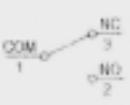
1. Function

- This is a switch that checks whether the door is open or closed.
- If the user opens the door, this switch disconnects power supply to the motor and turns the lamp on.
- If the user closes the door, this switch connects power supply to the motor and turns the lamp off.



2. Specification

- A push switch - stroke 70mm, three terminals
pushed-down : COM and NO are closed (NO are connected to motor)
free state : COM and NC are closed (NC are connected to door lamp)
- Electric rating : 7.5A 125V
- Type name : SPE110F

CIRCUIT CHARACTERISTICS			
DIAGRAM	ARRANGEMENT		TERMINALS
	WITH BUTTON AT FREE STATE	WITH BUTTON TO PUSH DOWN	3
	1 - 3	1 - 2	
	ON	(ON)	

3. Checking method of malfunction

- This switch applies power to the motor when the door is closed and to the lamp when the door is opened.
- Select a program and press the start button.
- As the drum begins rotating, check if the lamp is turned on after opening the door.
- If the drum does not rotate, check the door switch contact.
Check a belt switch and fan thermostat also for the problem.
- If the lamp is still off while the drum is running, remove front panel assembly and check if 120v voltage is applied to the lamp.
- If 120v voltage is not applied to the lamp, replace the door switch.
If the lamp is off even though the 120v voltage is being applied, replace the lamp.

4. Procedure of replacement

- ① Remove top plate
- ② Remove front panel assembly
- ③ Remove cabinet front assembly

Door Switch



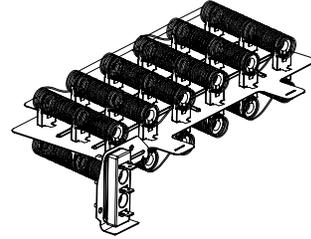
- ④ Remove the wires. Press both ends of the switch and pull.
- ⑤ Assemble the parts in reverse order.

Heater Assembly

Part Code : 3612802500

1. Function

- This is an assembly that heats air in the drum.
- Two 2500-W upper/lower heaters are connected in a parallel circuit, producing 5,000W
- According to the program set, either one or two heaters operate.

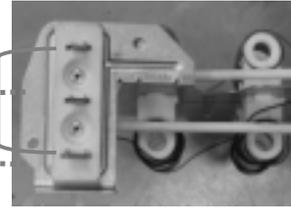


2. Specification

- Two heaters with the same specification are connected in a parallel circuit.
- Single heater: Ni/Cr wire 0.8mm, 6 coil turns, 2500W rated output based on 240V
- Electric rating : 240V 5000W (2500W x 2)
- Type name : TGE-24050H

Heater A (upper)

Heater B (lower)



3. Checking method of malfunction

- Check if the resistance of both ends is 17.3~25.9.
(For your safety and accurate measurement, check the resistance after running 'Dry Air' program for more than 5 minutes).
- If the resistance is beyond the range, replace the heater.
- Do not use a heater of which the coils have too narrow width or drooped excessively.

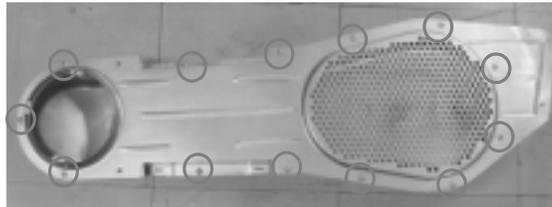
4. Procedure of replacement

- ① Remove the back cover.
- ② Remove the wires of duct inlet ass'y and screws to disassemble the part.

- Loosen the 4 screws as indicated with a circle.



- ③ Remove all screws of duct inlet ass'y and detach the duct inlet front.



- ④ Remove the heater and install a new one.



- ⑤ Assemble the parts in reverse order.

Belt Switch (Microswitch)

Part Code : 3619047500

1. Function

- The switch cuts the power supply to the motor when a belt is broken.
- The switch is on when the belt has adequate tension but off when the belt gets loosened or broken, blocking the power supply to the motor.



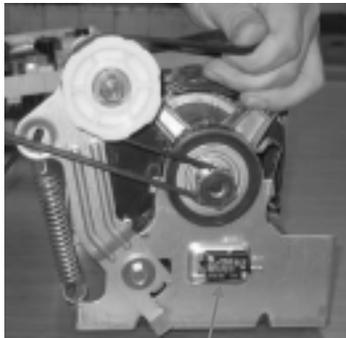
2. Specification

- Microswitch with two terminals, NC (normally closed) type
free state : COM and NO are closed
pushed down : COM and NC are disconnected
- Electric rating : 250V 16A 1/2HP
- Type name : GSM-V1622A2

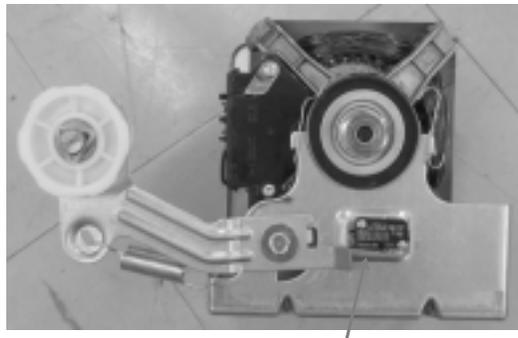
3. Checking method of malfunction

- The switch is in normal operation if the drum rotates.
- Start the unit and check if the drum operates.
- If the drum fails to rotate, press the power button to stop the dryer and then again to check if the motor runs.
- If you can not hear the running of the motor, disassemble the dryer and check the belt switch contact.
- Press the arm of the belt switch. If the resistance between contacts is greater than 1, replace the belt.

4. Procedure of replacement



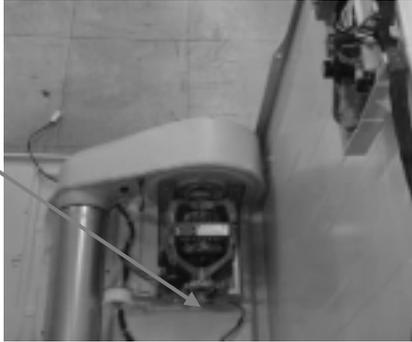
Normal belt - switch lid free



Damaged belt - switch lid pressed by the spring

- ① Remove Top Plate
- ② Remove Front Panel Assembly
- ③ Remove Front Cabinet Assembly
- ④ Remove Upper Frame
- ⑤ Remove Drum Assembly
- ⑥ Check the position of the part.

Belt Switch



- ⑦ Remove wires and 2 screws that mount the switch.
- ⑧ Assemble the parts in reverse order.

Thermistor Fan

Part Code : 361AAAAC20

1. Function

- The fan thermistor senses the temperature of exhaust air.
- The higher the temperature is, the smaller the resistance is.

2. Specification

- A bimetal thermostat with the terminals normally closed
 - at 90°C : R = 4.43 kΩ
 - at 40°C : R = 26.07 kΩ
- Type name : CWT-DWE-1C18-A

3. Checking method of malfunction

- If the resistance between terminals is within the adequate range, the fan is in normal operation.
- You can test the resistance of the thermistor as follows.
 - Put the metal rod into cold water 50~68°F(10~20°C): 40 within 30 seconds
 - Put the metal rod into boiling water 205~212°F(95~100°C): 4 within 30 seconds
- If 'H2' error is displayed when you press the power and start button, the thermistor is not closed so replace it.

4. Procedure of replacement

- ① Remove Top Plate
- ② Remove Front Panel Assembly
- ③ Remove Cabinet Front Assembly
- ④ Remove Upper Frame
- ⑤ Remove Drum Assembly
- ⑥ Check the position of the part.

Fan Thermistor



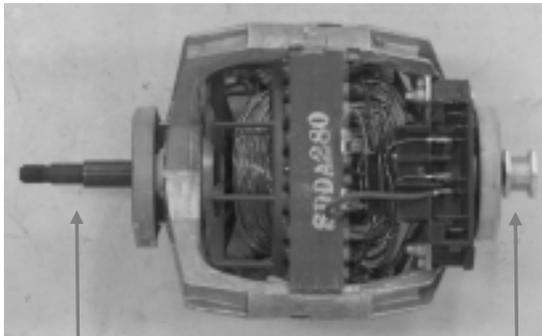
- ⑦ Remove wires and 1 screw to detach the part.
- ⑧ Assemble the parts in reverse order.

Dryer motor

Part Code : 36189L5D00

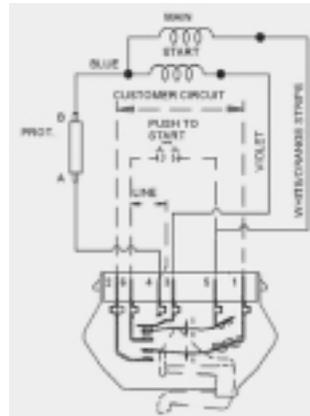
1. Function

- The motor rotates the drum using the belt as well as the fan to exhaust humid air.
- This is a shunt AC motor. When the motor begins to run, a centrifugal switch shorts out the operation coil.
- The centrifugal switch also supplies power to the heater. Thus, if the motor stops, the heater goes off also.

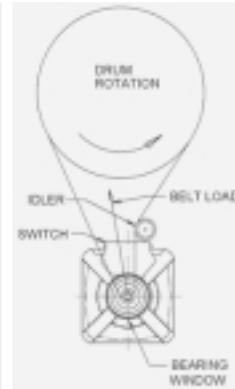


Fan connection axis

Belt operation axis



Fan connection



Belt assembly

2. Specification

- Shunt type 1/3 HP AC motor with centrifugal switch
- Rotational speed : more than 1600 rpm with load
- No load : 190W, 4.9A at 120V • Type name : 60T
- Full load : 555W, 6.1A at 120V
- Type name : S58NXSDD-6989

3. Checking method of malfunction

- If the drum rotates and exhaust air is expelled as soon as you start the unit, the motor is in normal operation.
- If the drum fails to rotate;
 - ① Remove the top plate and check if the belt is damaged.
 - ② Check if the door switch is in normal operation.
 - ③ Remove the drum and check the thermostat fan.
 - ④ Check the belt switch.
 - ⑤ Run the unit while you press the lid of the belt switch and see if the motor starts operating.
- If a fault is found in any part mentioned above, replace it and check the operation of the motor (5).
- If no fault is found but the motor still fails to operate ⑤, replace the motor.

DISMANTLING METHOD PER DRYER ASS'Y

PANEL FRONT ASSEMBLY

1. Remove left cap and remove screw.



2. Separate panel front. Push up and pull away from the machine.



TOP PLATE ASSEMBLY

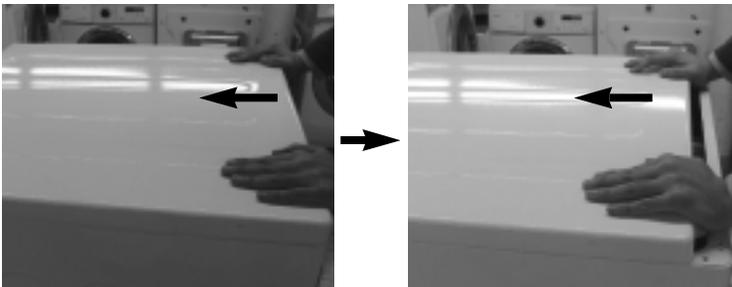
1. Remove 3 screws at the front.



2. Remove 4 screws at the back.



3. Separate top plate by pushing it at the front part in the direction of arrow.

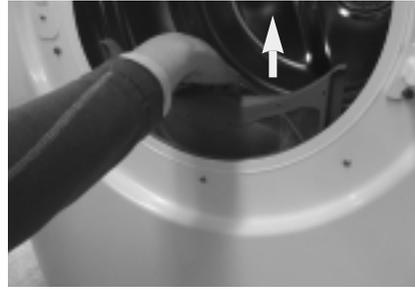


CABINET FRONT ASSEMBLY

1. Remove 4 screws at the top.



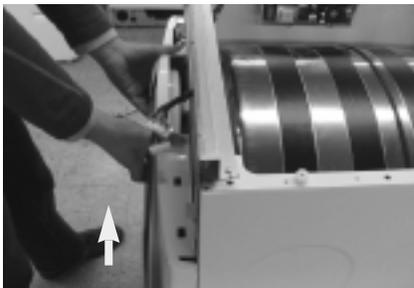
2. Remove filter.



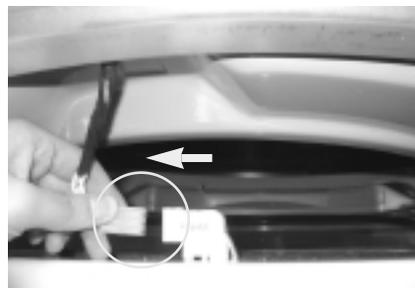
3. Remove 3 screws.



4. Lift cabinet front in the direction of arrow and pull it forward.



5. Remove door switch connector.



UPPER FRAME

1. Remove 2 screws from left and right in front part.



2. Remove 2 screws from left and right at the top.



3. Separate upper frame after removing harness at the back.



SEPARATION OF LAMP,PCB MAIN CONNECTOR

1. Separate lamp connector.



2. Separate main PCB connector.



3. Separate humidity sensor connector.

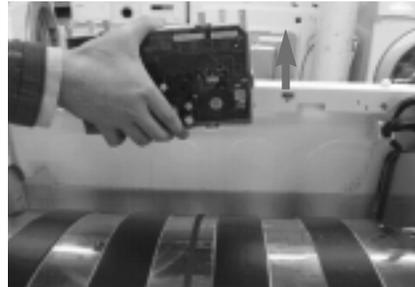
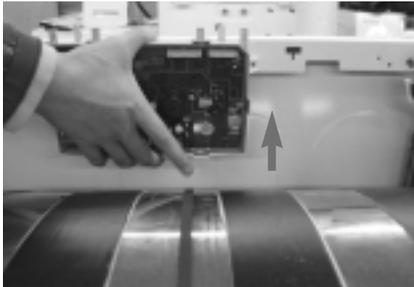


MAIN PCB

1. Remove 2 screws.

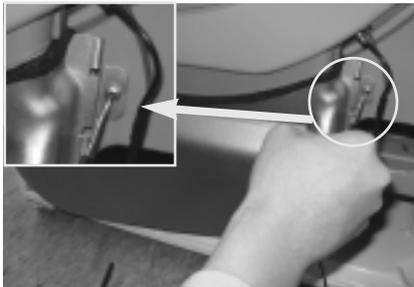


3. Separate and remove the PCB.



DUCT OUTLET ASSEMBLY

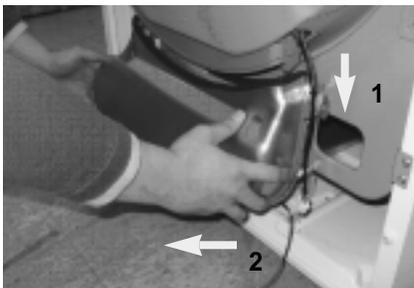
1. Remove 2 left and right screws.



2. Remove 1 screw.

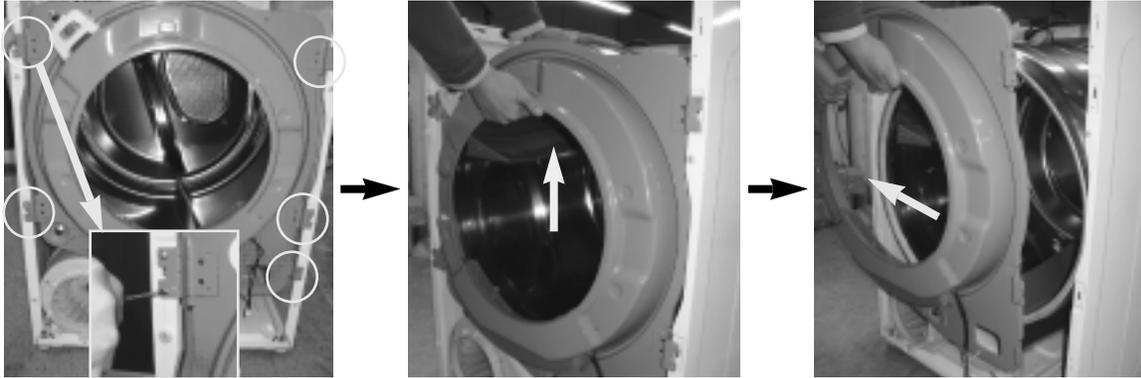


3. Remove duct outlet in the direction of →

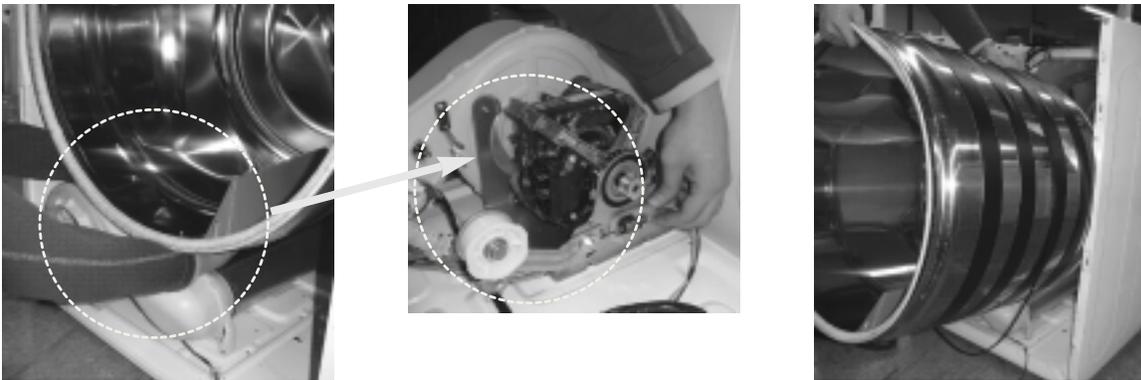


SUPPORT DRUM FRONT ASSEMBLY

1. Push up idler in the direction of arrow to remove belt. Then, separate belt and remove drum.

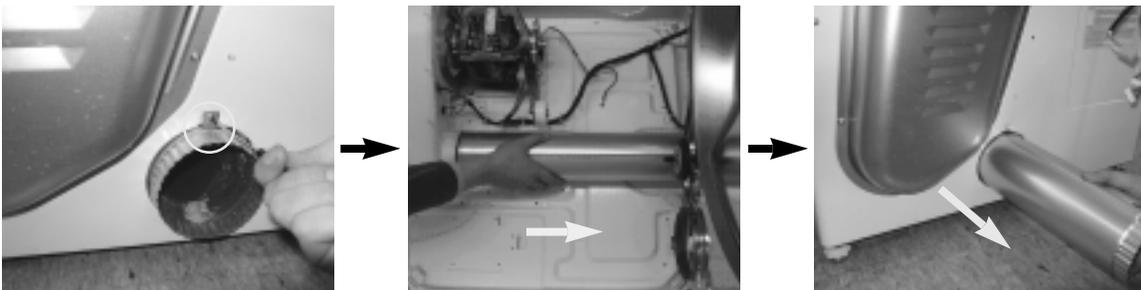


DRUM ASSEMBLY



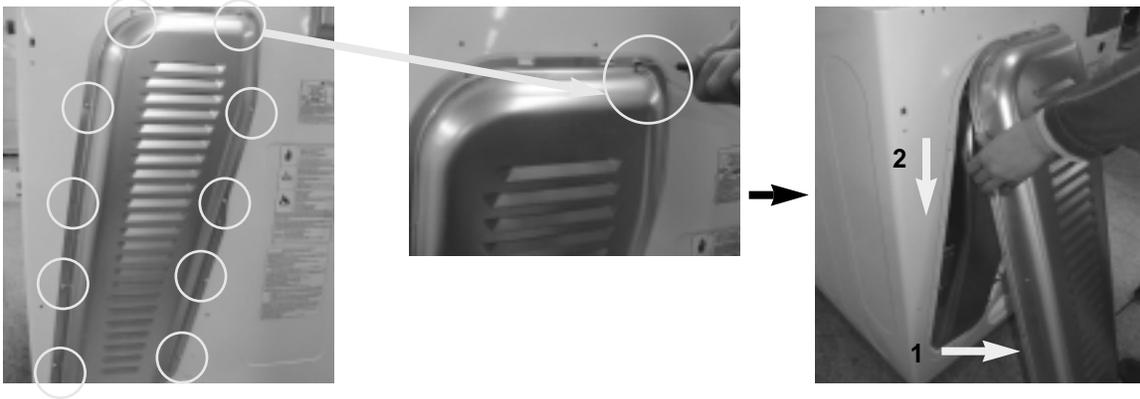
EXHAUST DUCT

1. Remove 1 rear screw and separate the exhaust duct in the direction of arrow.



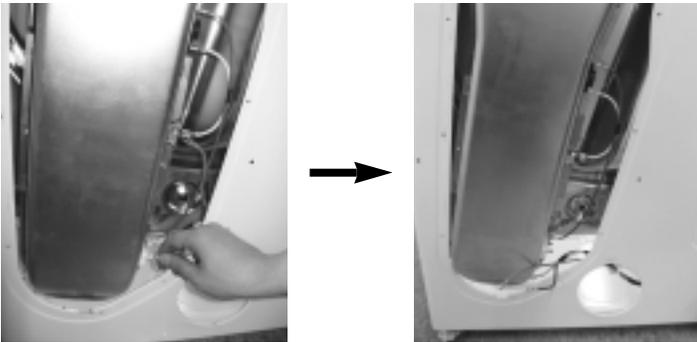
BACK COVER

1. Remove 10 screws.



DRUM SUPPORT REAR ASS'Y

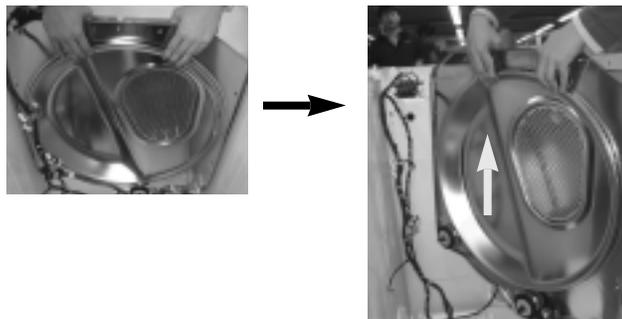
1. Remove heater terminal connection cable.



2. Remove 7 screws.



3. Remove support drum rear ass'y in the direction of →



MOTOR CONNECTOR

1. Separation of temperature sensor: Separate connector. → Remove 1 screw.



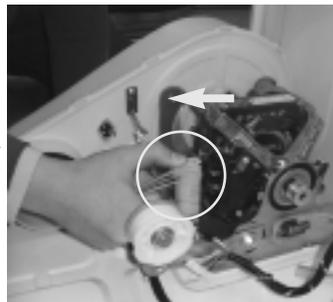
2. Separation of fan thermostat: Separate connector. → Remove 2 screws.



3. Separation of micro switch:



4. Separation of motor wiring connector.

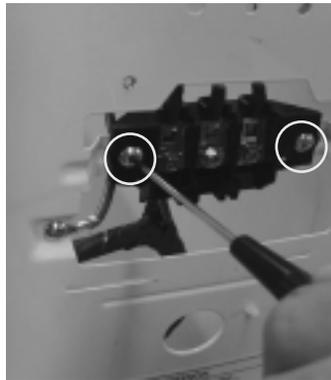
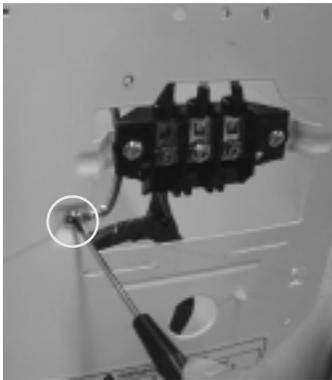


TERMINAL BLOCK

1. Remove terminal block cover.

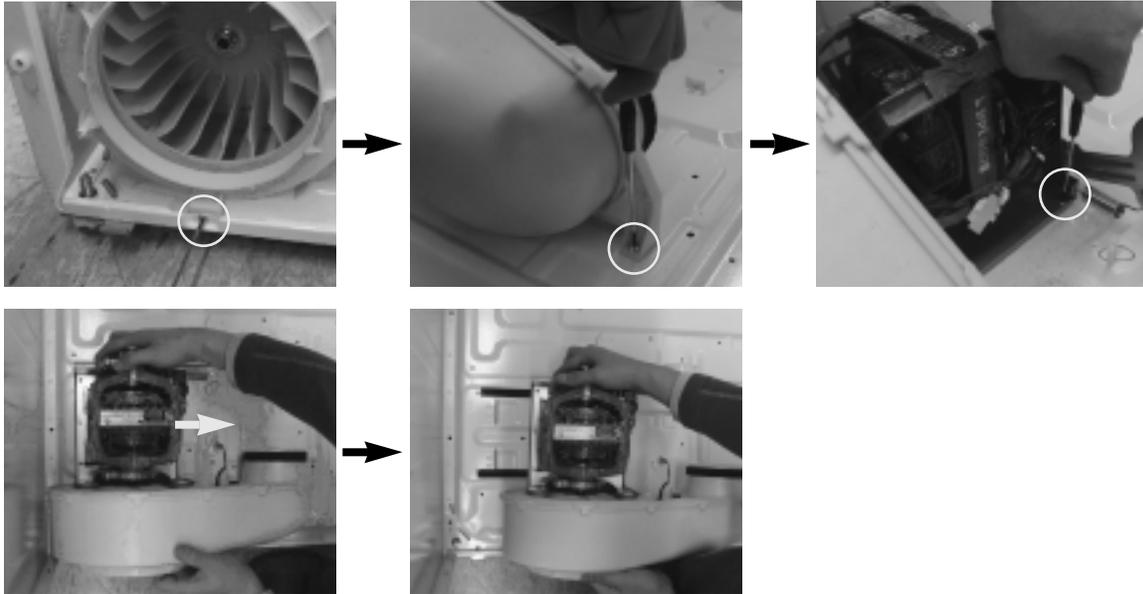


2. Remove 3 screws.

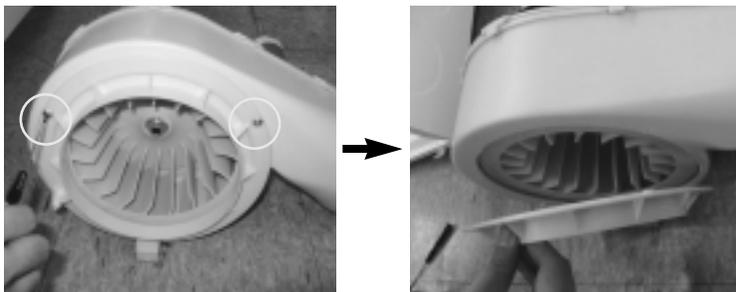


MOTOR ASSEMBLY

1. Remove 6 screws and separate motor ass'y.



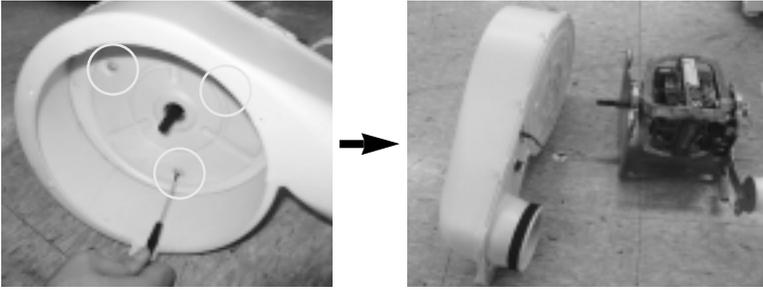
2. Separation of fan cover: Remove 2 screws.



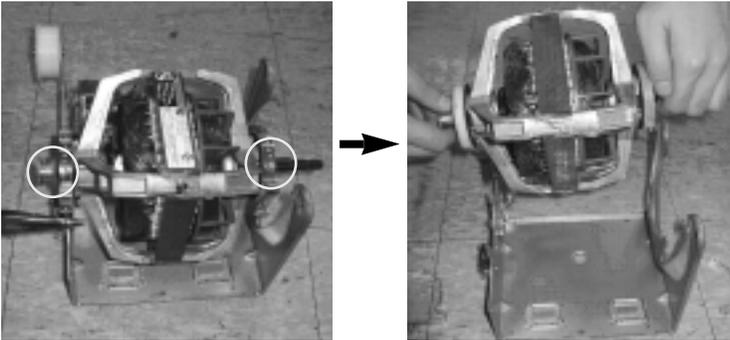
3. Separation of impeller fan: Hold the motor shaft and separate fan.



4. Dismantling of fan case: Remove 3 screws.



5. Dismantling of motor bracket: Remove 2 motor clamps.

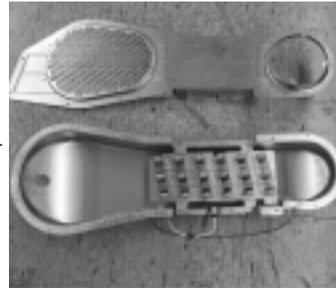
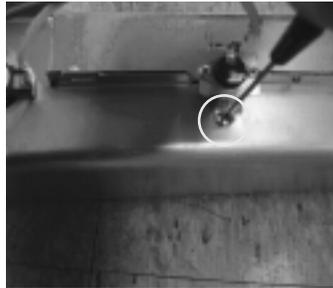
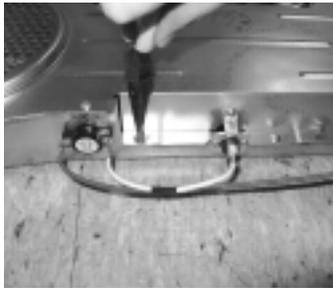


HEATER ASSEMBLY

1. Remove 4 screws.



2. Unfold 4 side tabs.



3. Remove thermostat 2 screws.

4. Remove 13 screws.

LAMP ASSEMBLY

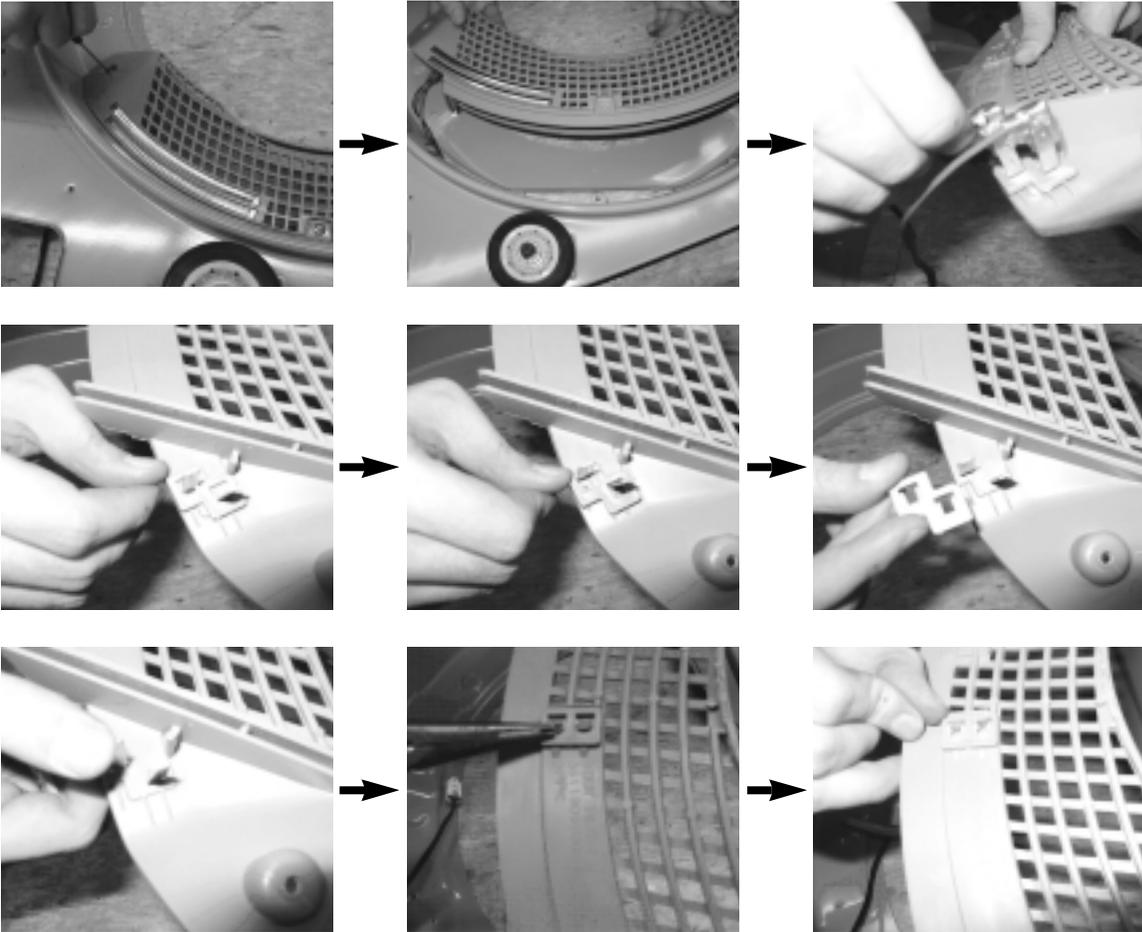
1. Remove 1 screw.



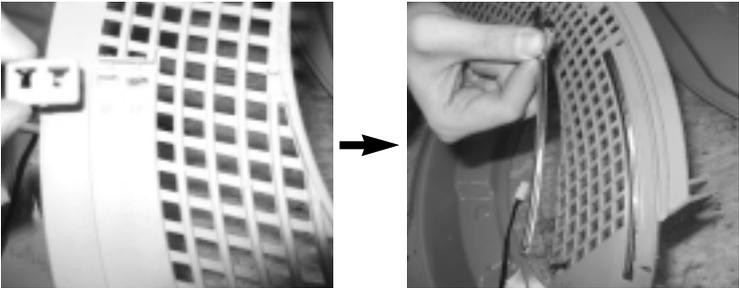
FILTER DUST ASS'Y / HUMIDTY SENSOR

1. Filter dust assembly: Remove 2 screws.

2. Humidity Sensor: Remove connector.

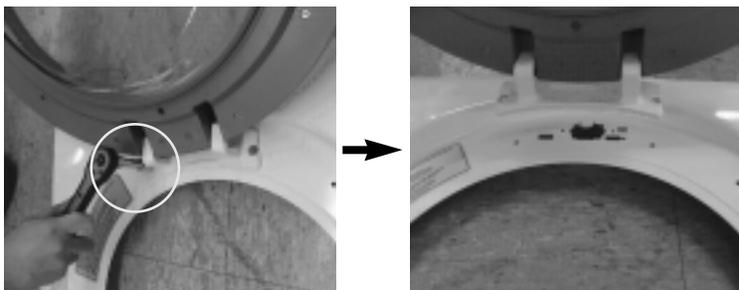


3. Remove Humidity Sensor bars.

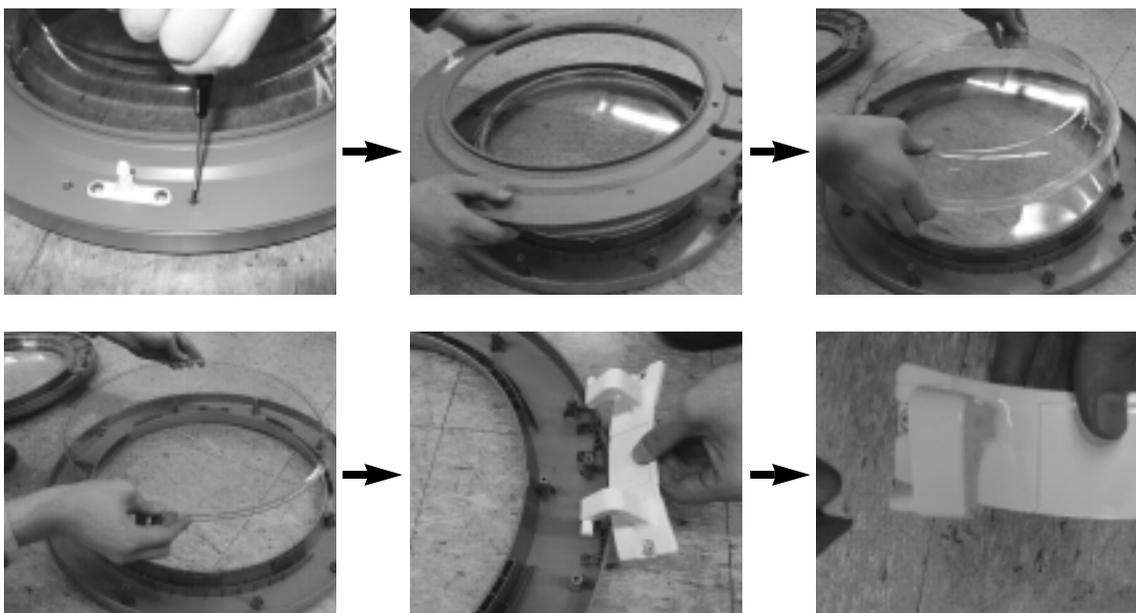


DOOR ASSEMBLY

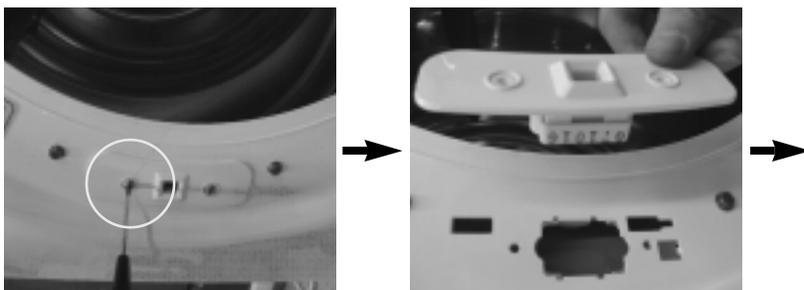
1. Separation of hinge and front drum support: Remove 2 screws.



2. Remove 13 screws.



3. Door lock assembly: Separate door lock assembly after removing 2 screws.



4. Door Switch



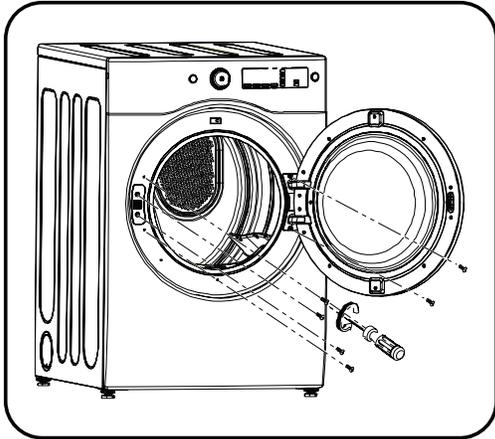
□ Reversing the door

Hanging the Door

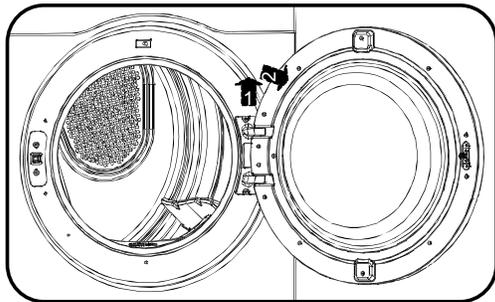
The tumble dryer come with the door hinged on the right. However, it is possible to change the door to be hinged on the left.

Following these instructions:

1. Open the door and remove the two bolts holding the hinge.



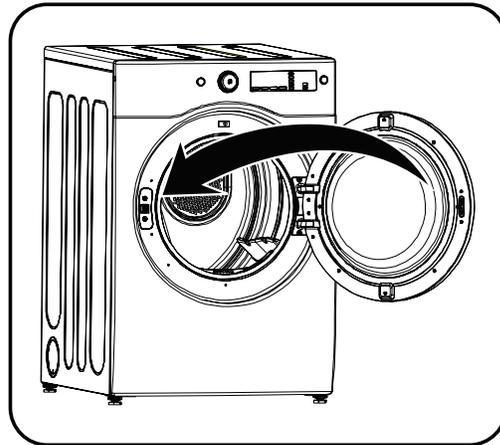
2. Then remove the door out of the front cabinet as indicated by the arrows.



3. Unscrew the four screws on the door lock on the left side of the front cabinet and move to the right side.

4. Replace the screws you removed in step 3.

5. Next insert the hinge of the door securely in place of the left side of the front cabinet.



6. Secure the hinge using the bolts you removed in step 1.

