SAMSUNG

CLOTHES DRYER

Model code : DV316LGW/XAA
DV306LEW/XAA
DV316LEW/XAA
DV326LES/XAA
DV3C6BEW/XAA
DV316BEW/XAA
DV316BEC/XAA
DV306LGW/XAA
DV316LGW/XAA
DV316LGS/XAA
DV326LGS/XAA
DV3C6BGW/XAA
DV316BGW/XAA
DV316BGC/XAA

SERVICE Manual

CLOTHES DRYER

THE FEATURE OF PRODUCT

1. Super Size Capacity
2. Energy Saving
3. Time Saving

SAM0109

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1. PRECAUTIONS

1-1. CAUTION FOR SAFETY DURING SERVICING

1. Do not allow the customer to repair the product.
   The person may be injured or the product life may be shortened..

2. Execute A/S after unplugging the power supply unit.
   Be careful of the electric shocks.

3. Do not plug several plugs in the same outlet.
   It may cause a fire due to overheat.

4. Check for damage, pressing or burning of the power plug or outlet.
   Replace it promptly if it has a problem.(It may cause the electric shocks or fire)

5. Do not clean the main body with water.
   It may cause electric shocks and fire and shorten the product life)

6. The wiring of the harness shall be free from moisture and tightened during serving.
   It shall not be deviated by certain impact.

7. Remove any dust or filth on the housing section,wiring section,connection section during servicing.
   Protect from possible cause of fire such as the tracking,shortage etc.

8. Check for any marks of moisture on the electrical parts, harness section etc.
   Replace the parts or remove the moisture..

9. Check the assembly status of the parts after servicing.
   Maintain the status before servicing..

10. Pull out the power cord by holding the plug.
    Be careful of electric shocks and when the cord is damaged.

11. Unplug the power plug from the outlet when the dryer is not used.
    Be careful of electric shocks and fire due to the strike of lightning.

12. Do not use or store sprays or flammable materials(including gasoline,alcohol etc.)
    around the dryer.
    Be careful of explosions or fire due to electric sparks.

13. Do not put bowls of water or wet laundry on the dryer.
    If water has penetrated into the dryer, this may cause electric shocks or fire.

14. Do not install the dryer where it will be exposed to bad weather.
    It may cause electric shocks and fire and shorten the product life.

15. Do not push the control buttons with an awl,pin, or sharp materials.
It may cause electric shocks and damage.

16. Check the wash machine is leveled horizontally and installed properly on the floor.
The vibration may shorten the product life..

1-2. IMPORTANT SAFETY INFORMATION

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

1. Read all instructions before using dryer.

2. Install dryer according to Installation Instructions. Refer to the Grounding Instructions in the Installation Instructions for proper grounding of the dryer.

3. Do not dry articles that have been cleaned in, washed in, soaked in, or spotted with gasoline, dry-cleaning solvents, or other flammable or explosive substances. Vapors could ignite or explode.

4. Do not use dryer to dry clothes which have traces of any flammable substance, such as vegetable oil, cooking oil, machine oil, flammable chemicals, thinner, etc., or anything containing wax or chemicals, such as mops and cleaning cloths. Flammable substances may cause fabric to catch fire by itself.

5. Do not store or use gasoline or other flammable vapors and liquids near this or any other appliance.

6. Do not allow children to play on or in dryer. Close supervision of children is necessary when dryer is used near children, a safety rule for all appliances.

7. Before dryer is removed from service or discarded, remove doors to drying compartment.

8. Do not reach into dryer if cylinder is revolving.

9. Do not install or store dryer where it will be exposed to water and/or weather.

10. Do not tamper with dryer controls.

11. Do not repair or replace any part of dryer or attempt any service, unless specifically recommended in user-maintenance instructions or in published user-repair instructions that you understand and have skills to carry out, if you are a consumer.

12. To reduce risk of electric shock or fire, do not use extension cords or adapters to connect dryer to electrical power source.

13. Use the dryer only for its intended purpose, drying clothes.

14. Always disconnect dryer from electrical supply before attempting any service. Disconnect power cord by grasping the plug, not the cord.

15. Do not use heat to dry articles containing foam rubber or similarly textured rubberlike materials.

16. Always clean the lint filter after every load. A layer of lint in the filter reduces drying efficiency and pro longs drying time.

17. Use only fabric softeners or products to eliminate static that are appropriate for automatic dryers.

18. Keep your dryer in good condition. Bumping or dropping dryer can damage safety features. If damage occurs, have dryer checked by qualified service technician.

19. Replace worn power cords and/or loose plugs.

20. Do not tumble fiberglass curtains and draperies unless the label says it can be done. If they are dried, wipe out the cylinder with a damp cloth to remove particles of fiberglass.

21. Always read and follow manufacturer□s instructions on packages of laundry aids. Heed all warnings or precautions. To reduce risk of poisoning or chemical burns, keep products away from children at all times, preferably, in a locked cabinet.

22. Never operate dryer with guards and/or panels removed.

23. Do not operate dryer with missing or broken parts.

24. Do not bypass safety devices.

25. Keep area around the exhaust opening and adjacent surrounding areas free from accumulation of lint, dust, and dirt.

26. Interior of dryer and exhaust duct should be cleaned periodically by qualified service personnel.

27. Dryer will not operate with loading door open. DO NOT bypass door safety switch by permitting dryer to operate with door open. Dryer will stop tumbling when door is opened. Do not use dryer if it does not stop tumbling when door is opened or starts tumbling without pressing or turning the START mechanism. Remove the dryer from use and call the service person.

28. Remove laundry immediately after the dryer stops.

29. ALWAYS follow the fabric care instructions supplied by the garment manufacturer.

Electrical Service Information

Electrical Dryers
- 240 VAC, 60 Hz, 30 Amps,
  3-wire or 4-wire installations
Gas Dryers
- 120 VAC, 60 Hz, 15 Amps, 3□wire installa-
tions

About Ground Wires
In the event of an electrical short circuit, a

⚠ WARNING

To reduce the risk of fire, electric shock, serious injury or death, all wiring and grounding must conform with the latest edition of the National Electric Code, or the Canadian Electrical Code, and such local regulations as might apply. It is the customer□s responsibility to have the wiring and fuses checked by a qualified electrician to make sure your home has adequate electrical power to operate the dryer.

⚠ WARNING

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

⚠ WARNING

To reduce the risk of fire and exposure to combustion gases, the dryer MUST be exhausted to the outdoors.
DO NOT exhaust dryer air into a window well, gas vent, chimney or enclosed, unventilated area, such as an attic, wall, ceiling, crawl space under a building or concealed space of a building.

Gas Dryer Power Supply

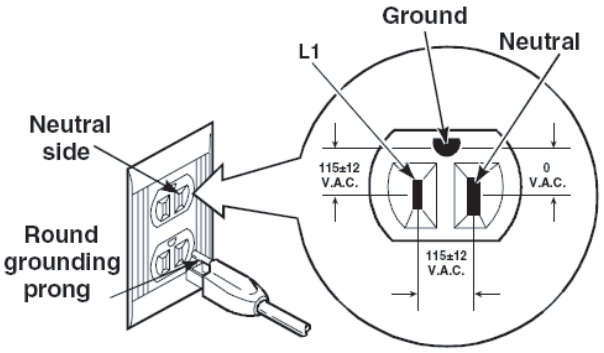
This equipment MUST be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electrical current. This unit is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

Consult a qualified electrician or servicer if grounding instructions are not completely understood, or if doubt exists as to whether the equipment is properly grounded.

Do not use an extension cord. If the product power cord is too short, have a qualified electrician install a three □ slot receptacle. This unit should be plugged into a separate 60 hertz circuit with the electrical rating as shown on the serial plate.

Proper Grounding and Polarization for 120 VoltsWall Outlets

For the safety of our customers and the service technician ALL gas dryers have a three!! prong power cord and MUST be connected to a properly polarized and grounded wall outlet. This information was written for those who do not understand grounding and polarization of a wall outlet. A 120 VAC wall outlet must always be wired as shown below.



Explanation

Polarization–This means that the larger slot must be neutral and the small slot must be hot (live).

Mispolarized–The outlet is miswired so that the larger slot is hot (live) and the smaller slot is neutral.

Grounded –This means the round hole connection is connected to ground through a connection to the main power panel.

Ungrounded–The round hole connection is not connected to a ground and/or the main power panel.

Gas Connection Information

⚠ WARNING

To avoid death, personal injury or property damage, from fire or explosion, information in this manual must be followed exactly.
Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS

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

⚠ WARNING

To reduce the risk of fire and exposure to combustion gases, the dryer MUST be exhausted to the outdoors.
DO NOT exhaust dryer air into a window well, gas vent, chimney or enclosed, unventilated area, such as an attic, wall, ceiling, crawl space under a building or concealed space of a building.

1-3. PRECAUTIONS UPON INSTALLATION

Tools needed for installation

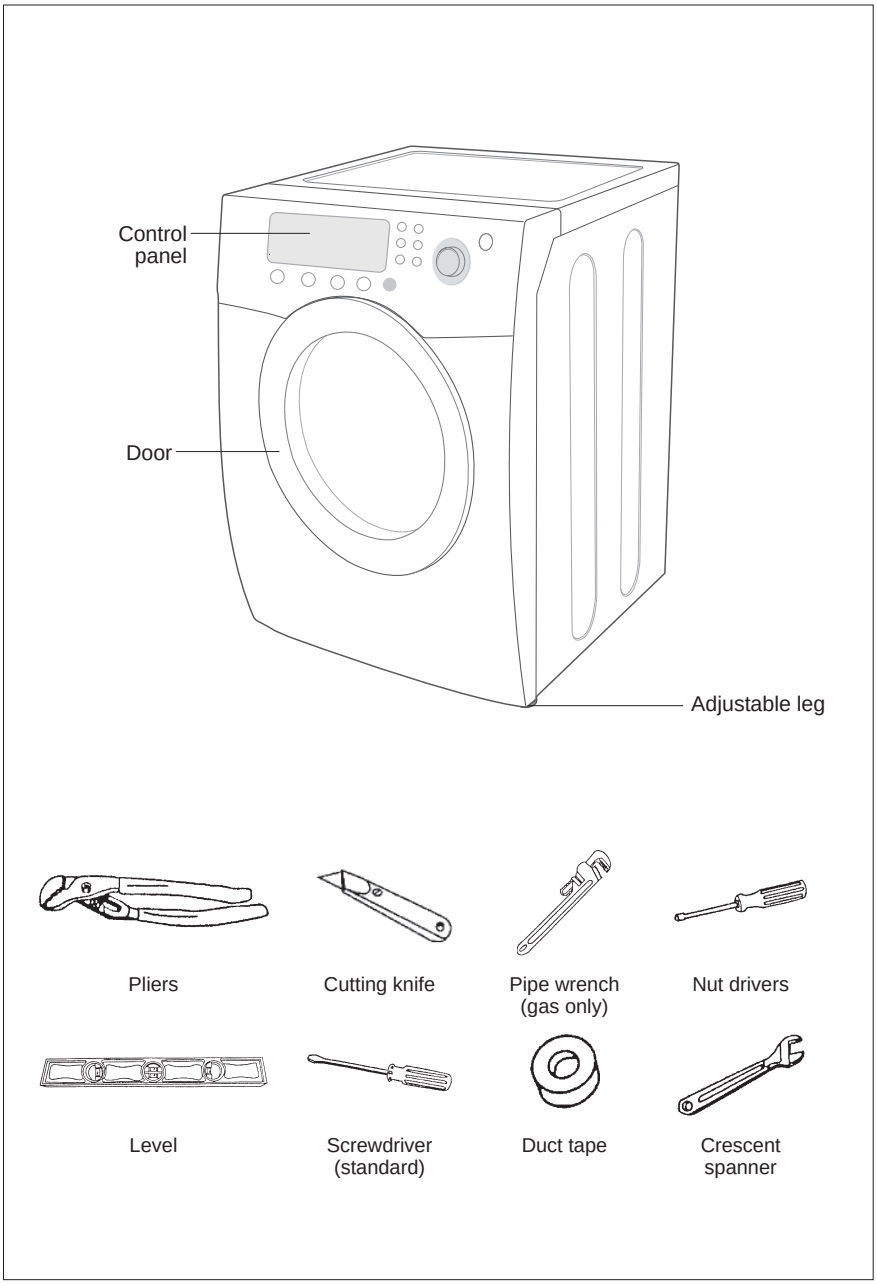
Proper installation is the owner's responsibility.

HOWEVER, SERVICE CALLS PERFORMED AS A RESULT OF POOR SET-UP, ADJUSTMENT, AND CONNECTION ARE THE RESPONSIBILITY OF THE INSTALLER.

Make sure you have everything necessary for proper installation.

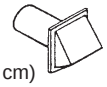
1. GROUNDED ELECTRICAL OUTLET is required. See Electrical Requirements.
2. POWER CORD for electric dryers (except Canada).
3. GAS LINES (if a gas dryer) must meet national and local codes.
4. EXHAUST SYSTEM – must be rigid metal or flexible stiffwalled metal exhaust ducting.

See Exhaust Requirements.



DUCTING REQUIREMENTS

- Use a 4-inch (10.2 cm) diameter rigid aluminum or rigid galvanized steel duct.
- Do not use a smaller duct.
- Ducts larger than 4 inches (10.2 cm) in diameter can result in increased lint accumulation. Lint accumulation should be cleaned regularly.
- If a flexible metal duct must be used, use the type with a stiff sheet metal wall. Do not use a flexible duct with a thin foil wall. Serious blockage can result if the flexible metal duct is bent too sharply.
- Never install any type of flexible duct in walls, ceilings, or other concealed spaces.
- Keep exhaust duct as straight and short as possible.
- Secure joints with duct tape. Do not use screws.
- DO NOT EXHAUST DRYER INTO ANY WALL, CEILING, CRAWL SPACE, OR CONCEALED SPACE OF A BUILDING, GAS VENT, OR ANY OTHER COMMON DUCT OR CHIMNEY.
  THIS COULD CREATE A FIRE HAZARD FROM LINT EXPELLED BY THE DRYER.
- Plastic flexible duct can kink, sag, be punctured, reduce airflow, extend drying times, and affect dryer operation.
- Exhaust systems longer than recommended can extend drying times, affect machine operation, and may collect lint.
- The exhaust duct should end with an exhaust hood with a swing-out damper to prevent back drafts and entry of wildlife. Never use an exhaust hood with a magnetic damper.
- The hood should have at least 12 inches (30.5 cm) of clearance between the bottom of the hood and the ground or other obstruction. The hood opening should point down.
- Never install a screen over the exhaust outlet.
- To avoid lint buildup, do not exhaust the dryer directly into a window well. Do not exhaust under a house or porch.
- If exhaust ductwork must run through an unheated area, the duct should be insulated and slope slightly down towards the exhaust hood to reduce condensation and lint buildup.
- Inspect and clean the interior of the exhaust system at least once a year. Unplug the power cord before cleaning.
- Check frequently to be sure the exhaust hood damper opens and closes freely.

	ELECTRIC AND GAS DRYER			
	Weather Hood Type			
	Recommended		**Use only for short-run installation**	
	 4” (10 .16 cm)		 2.5” (6.35 cm)	
No. of 90° elbows	Rigid	Metallic Flexible*	Rigid	Metallic Flexible*
0	24.4 m (80 ft.)	12.4 m (41 ft.)	22.6 m (74 ft.)	10.1 m (33 ft.)
1	20.7 m (68 ft.)	11.2 m (37 ft.)	18.9 m(62 ft.)	8.8 m (29 ft.)
2	17.4 m (57 ft.)	10.1 m (33 ft.)	15.5 m(51 ft.)	7.6 m (25 ft.)
3	14.3m (47 ft.)	9.0 m (29 ft.)	12.5 m(41 ft.)	6.5 m (21 ft.)

* Do not use non-metallic flexible duct.

If new dryer is installed into an existing exhaust system you must make sure:

- The exhaust system meets all local, state, and national codes.
- That flexible plastic duct is not used.
- Inspect and clean all lint buildup from inside the existing duct.
- The duct is not kinked or crushed.
- The exhaust hood damper opens and closes freely.

The static pressure in any exhaust system must not exceed 0.83 inches of water column, or be less than 0. This can be measured with the dryer running with a manometer at the point where the exhaust duct connects to the dryer. A no-heat setting should be used. The dryer tumbler shoul

REMOVE THE DOOR FROM ALL DISCARDED APPLIANCES TO AVOID THE DANGER OF A CHILD SUFFOCATING.

LOCATION CONSIDERATIONS

The dryer should be located where there is enough space in front for loading the dryer, and enough space behind for the exhaust system. This dryer is factory-ready for rear exhaust. To exhaust out the bottom or the left, use the accessory exhaust kit. Instructions are included with the kit. It's important to make sure the room has enough fresh air. The dryer must be located where there is no air-flow obstruction.
On gas dryers, adequate clearance as noted on the data plate must be maintained to ensure adequate air for combustion and proper dryer operation.

THE DRYER MUST NOT BE INSTALLED OR STORED IN AN AREA WHERE IT WILL BE EXPOSED TO WATER AND/OR WEATHER. THE DRYER AREA IS TO BE KEPT CLEAR OF COMBUSTIBLE MATERIALS, GASOLINE, AND OTHER FLAMMABLE VAPORS AND LIQUIDS. A DRYER PRODUCES COMBUSTIBLE LINT. THE AREA AROUND THE DRYER SHOULD BE KEPT LINT-FREE.

ALCOVE OR CLOSET INSTALLATION

WARNING – The dryer must be exhausted to the outside to reduce the risk of fire when installed in an alcove or closet.

- No other fuel-burning appliance should be installed in the same closet as the dryer.
- WARNING: To reduce the risk of fire, this dryer MUST BE EXHAUSTED TO THE OUTDOORS. See EXHAUST INFORMATION section.
- Minimum clearances between the dryer and adjacent walls or other surfaces are: 2" in front, 17" on top, 1" on either side, and 2.375" in the back.
- Closet front must have two unobstructed air openings for a combined minimum total area of 72 in^2 with 3" minimum clearance on the top and bottom. A louvered door with equivalent space clearance is acceptable.

MOBILE HOME INSTALLATION

The installation of the dryer in mobile homes must conform to the Manufactured Home Construction and Safety Standard Title 24 CFR, Part 32-80 {formerly the Federal Standard for Mobile Home Construction and Safety, Title 24, HUD (Part 280), 1975} for the United States) or CSA Standards Z240 (for Canada).
When installing a dryer in a mobile home, provisions for anchoring the dryer to the floor must be made.
Locate in an area that has adequate fresh air.
A minimum of 72 in^2 (183 cm^2) of unobstructed space is required.
All mobile home installations must be exhausted to the outside with the exhaust duct termination securely fastened to the mobile home structure, using materials that will not support combustion.
The exhaust duct may not terminate underneath the mobile home.
See Exhausting section for more information.

EXHAUSTING

Exhausting the dryer to the outside will prevent large amounts of lint and moisture from being blown into the room.

In the United States:

- All dryers must be exhausted to the outside.
- Only rigid or flexible metal duct should be used for exhausting.

In Canada:

- All dryers must be exhausted to the outside.

Outside the U.S. and Canada:

- Refer to local codes.

⚠ **WARNING** –The dryer must be exhausted to the outside to reduce the risk of fire when installed n an alcove or closet.
NEVER USE PLASTIC OR NON-METAL FLEXIBLE DUCT.
If your existing ductwork is plastic, non-metal, or combustible, replace it with metal.
Use only metal exhaust duct that is non-flammable to ensure containment of exhaust air, heat, and lint.

GAS REQUIREMENTS

Use only natural or LP (liquid propane) gases.

THE INSTALLATION MUST CONFORM WITH LOCAL CODES, OR IN THE ABSENCE OF LOCAL CODES, WITH THE NATIONAL FUEL GAS CODE ANSI/Z223.1, LATEST REVISION (FOR THE UNITED STATES), OR WITH THE CAN/CGA-B149 INSTALLATION CODES (FOR CANADA).

Gas dryers are equipped with a burner vent for use with natural gas. If you plan to use your dryer with LP (liquid propane) gas, it must be converted for safe and proper performance by a qualified service technician. A 1/2" (1.27 cm) gas supply line is recommended and must be reduced to connect to the 3/8" (1 cm) gas line on your dryer. The National Fuel Gas Code requires that an accessible, approved manual gas shut-off valve be installed within 6' of your dryer.

Gas dryers installed in residential garages must be raised 18 inches (46 cm) above the floor.

Additionally, a 1/8" (0.3 cm) N.P.T. (National Pipe Thread) plugged tapping, accessible for test gauge connection, must be installed immediately upstream of your dryer's gas supply connection.

Your dryer must be disconnected from the gas supply pipe system during any pressure testing of the system.

DO NOT reuse old flexible metal gas lines. Flexible gas lines must be design certified by the American Gas Association (CGA in Canada).

NOTE: • Any pipe joint compound used must be resistant to the action of any liquefied petroleum gas.
• As a courtesy, most local gas utilities will inspect a gas appliance installation.

GAS IGNITION – Your dryer uses an automatic ignition system to ignite the burner.
There is no constant burning pilot.

COMMONWEALTH OF MASSACHUSETTS INSTALLATION INSTRUCTIONS

Your dryer must be installed by a licensed plumber or gas fitter. A "T" handle manual gas valve must be installed in the gas supply line to your dryer. If a flexible gas connector is used to install your dryer, the connector must have a maximum length of 3' (36").

WARNING – Gas leaks may occur in your system, creating a dangerous situation.
Gas leaks may not be detected by smell alone.
Gas suppliers recommend you purchase and install a UL-approved gas detector.
Install and use in accordance with manufacturer's instructions.

ELECTRICAL REQUIREMENTS

NOTE: Wiring diagram is located on plate below the control panel.

WARNING –

- Improper connection of the equipment grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether your dryer is properly grounded. Do not modify the plug provided with your dryer – if it doesn't fit the outlet, have a proper outlet installed by a qualified electrician.
- To prevent unnecessary risk of fire, electrical shock, or personal injury, all wiring and grounding must be done in accordance with local codes, or in the absence of local codes, with the National Electrical Code, ANSI/NFPA No. 70-Latest Revision (for the U.S.) or the Canadian Electrical Code CSA C22.1 – Latest Revisions and local codes and ordinances. It is your responsibility to provide adequate electrical services for your dryer.
- All gas installations must be done in accordance with the national Fuel Code ANSI/Z2231 – Lastest Revision (for the U.S.) or CAN/CGA – B149 Installation Codes – Latest Revision (for Canada) and local codes and ordinances.

GROUNDING

This dryer must be grounded. In the event of malfunction or breakdown, the ground will reduce the risk of electrical shock by providing a path of least resistance for electrical current.

GAS MODELS

Your dryer has a cord with an equipment-grounding conductor and a grounding plug.
The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.
Do not modify the plug provided with your dryer – if it doesn't fit the outlet, have a proper outlet installed by a qualified electrician.
NEVER CONNECT GROUND WIRE TO PLASTIC PLUMBING LINES, GAS LINES, OR HOT WATER PIPES.

ELECTRIC MODELS

Your dryer has a cord with an equipment-grounding conductor and a grounding plug.
The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.
If a power cord is not used and the electric dryer is to be permanently wired, the dryer must be connected to a permanent grounded metal wiring system, or an equipment grounding conductor must be run with the circuit conductors and connected to the equipment grounding terminal.

ELECTRICAL CONNE CTIONS

Before operating or testing, follow all grounding instructions in the Grounding section.
An individual branch (or separate) circuit serving only your dryer is recommended. DO NOT USE AN EXTENSION CORD.

GAS MODELS – U.S. and Canada

A 120 volt, 60 Hz AC approved electrical service, with a 15-ampere fuse or circuit breaker is required.

ELECTRIC MODELS – U.S. Only

Most U.S. dryers require a 120/240 volt, 60 Hz AC approved electrical service. Some require 120/208 volt, 60 Hz approved electrical service. The electric service requirements can be found on the data label located behind the door. A 30-ampere fuse or circuit breaker on both sides of the line is required.

- If a power cord is used, the cord should be plugged into a 30-ampere receptacle.
- The power cord is NOT provided with U.S. electric model dryers.

IMPORTANT:

When local codes allow, the dryer electrical supply may be connected by means of a new power supply cord kit, marked for use with a dryer, that is U.L. listed and rated at a minimum of120/240 volts, 30-ampere with three No. 10 copper wire conductors terminated with closed loop terminals, open-end spade lugs with turned up ends, or with tinned leads.

1. size of the conductors and the type of cord.
2. 3/4” (1.9 cm) UL-listed strain relief

- Do not reuse a power supply cord from an old dryer. The power cord electric supply wiring must be retained at the dryer cabinet with a suitable UL-listed strain relief.
- 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. (Use 4-prong plug for 4 wire receptacle, NEMA type 14-30R.)

ELECTRIC MODELS – Canada Only

- A 120/240 volt, 60 Hz AC approved electrical service fused through a 30-ampere fuse or circuit breaker on both sides of the line is required.
- All Canadian models are shipped with the power cord attached. The power cord should be plugged into a 30-ampere receptacle.

NOTE: It is not permissible to convert a dryer in Canada to 208 volts.

REPLACEMENT PARTS AND ACCESSORIES

If your dryer requires replacement parts or accessories, contact the dealer from whom you purchased your dryer or a SAMSUNG customer care center at 1-800-SAMSUNG (726-7864).

INSTALLATION

Parts and literature are packaged inside your dryer drum. To install:

1. Move your dryer to an appropriate location for installation. Consider installing the dryer and washer side-by-side, to allow access to gas, electrical, and exhaust connections.
   Lay two of the carton cushion-tops on the floor. Tip your dryer on its side so it will lay across both cushion-tops.

2. Set your dryer back in an upright position.

3. Review the Exhausting section before installing the exhaust system. Install the ductwork from your dryer to the exhaust hood. The crimped end of the duct sections must point away from your dryer.
   DO NOT use sheet metal screws when assembling ducting. These joints should be taped.
   Never use plastic flexible exhaust material.

Tip for tight installations: install a section of exhaust system to your dryer before putting it in place.
Use duct tape to secure this section to your dryer, but do not cover louvers in dryer cabinet.

4. Review Electrical Requirements section.

BEFORE OPERATING OR TESTING, follow the grounding instructions in the Grounding section.

U.S. MODELS:

IMPORTANT – All U.S. models are produced for a **3-WIRE SYSTEM CONNECTION**.
The dryer frame is grounded to the neutral conductor at the terminal block.

A **4-WIRE SYSTEM CONNECTION** is required for new or remodeled construction, mobile homes, or if local codes do not permit grounding through neutral. If the 4-wire system is used, the dryer frame cannot be grounded to the neutral conductor at the terminal block. Refer to the following instructions for 3- and 4-WIRE SYSTEM CONNECTIONS.

Remove the terminal block cover plate.

Insert the power cord with a UL-listed strain relief through the hole provided in the cabinet near the terminal block.
NOTE: A strain relief must be used.

Do not loosen the nuts already installed on the terminal block. Be sure they are tight.
Use a 3/8” (1cm) deep well socket.

5. Review Gas Requirements section.

Remove the pipe thread protective cap.

Apply pipe joint compound or about 1 1/2 wraps of Teflon tape over all threaded connections.
NOTE: Pipe joint compound must be resistant to the action of any liquefied petroleum gas.

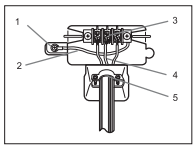
Connect the gas supply to your dryer.
An additional fitting is required to connect the 3/4” (1.9 cm) female thread end of a flexible connector to the 3/8” (1 cm) male threaded end on the dryer.
Securely tighten the gas line fitting over threads.

Turn on the gas supply. Check all gas connections for leaks using a soap solution.
If bubbles appear, tighten the connections and recheck.

DO NOT use an open flame to check for gas leaks.

3-WIRE SYSTEM CONNECTIONS

1. Loosen or remove center terminal block screw.
2. Connect neutral wire (white or center wire) of the power cord to the center, silver-colored terminal screw of the terminal block. Tighten screw.
3. Connect the other wires to outer terminal block screws. Tighten screws.
4. Tighten strain relief screws.
5. Insert tab of terminal block cover into your dryer's rear panel slot. Secure cover with hold-down screw.

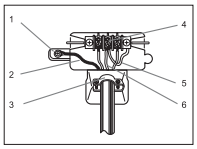


- External ground connector
- Neutral grounding wire (green/yellow)
- Center silver-colored terminal block screw
- Neutral wire (white or center wire)
- 3/4" (1.9 cm) UL-listed strain relief

WARNING: If converting from a 4-wire electrical system to a 3-wire, the ground strap must be reconnected to the terminal block support to ground the dryer frame to the neutral conductor.

4-WIRE SYSTEM CONNECTIONS

1. Remove center terminal block screw.
2. Connect ground wire (green or unwrapped) of power cord to external ground conductor screw.
3. Connect neutral wire (white or center wire) of power cord and appliance ground wire (green with yellow stripes) under central screw of the terminal block.
4. Connect the other wires to outer terminal block screws. Tighten screws.
5. Tighten strain relief screws.
6. Insert tab of terminal block cover into your dryer's rear panel slot. Secure cover with hold-down screw.



- External ground connector
- Green or bare copper wire of power cord
- 3/4 in. (1.9 cm) UL-listed strain relief
- Center silver-colored terminal block screw
- Grounding wire (green/yellow)
- Neutral wire (white or center wire)

6. With a level, check your dryer and make necessary adjustments to the leveling legs.

7. At this time, make sure all gas connections (on gas models), exhaust and electrical connections are complete. Plug in your dryer, and check operation by using the checklist below.

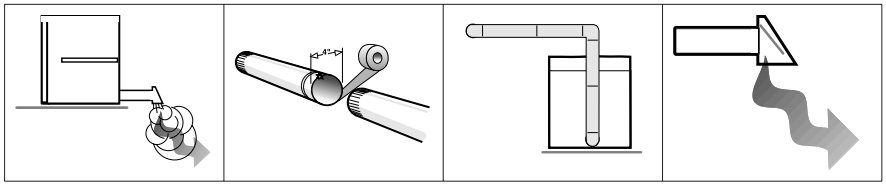
8. (GAS MODELS ONLY)
The burner may not ignite initially due to air in the gas line. Allowing your dryer to operate on a heat setting will purge the line. If the gas does not ignite within 5 minutes, turn your dryer off and wait 5 minutes. Be sure the gas supply to your dryer has been turned on. In order to confirm gas ignition, check the exhaust for heat.

FINAL INSTALLATION CHECKLIST

- □ Dryer is plugged into electrical outlet and properly grounded.
- □ Exhaust ductwork is hooked up and joints taped.
- □ Plastic flexible duct is NOT used.
- □ Use rigid or stiff-walled flexible metal vent material.
- □ Dryer is level with all legs firmly on the floor.
- □ Gas models – gas is turned on with no gas leaks.
- □ Start your dryer to confirm that it runs, heats, and shuts off.

Dryer Exhaust Tips

WARNING: Plastic or non-metal flexible duct presents a potential fire hazard.



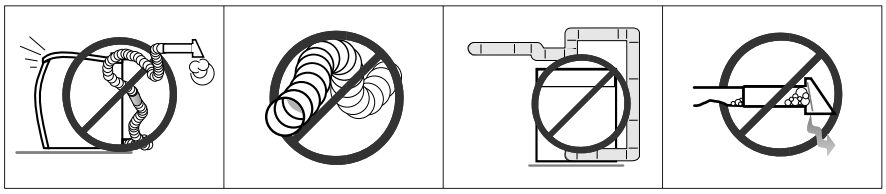
1. Let your dryer exhaust the air easily.

2. Use 4” diameter rigid metal duct.Tape all joints, including at the dryer.
   Never use lint-trapping screws.

3. Keep ducts as straight as possible.

4. Clean all old ducts before installing your new dryer.
   Be sure vent flap opens and closes freely.
   Inspect and clean the exhaust system annually.

Don’t let a poor exhaust system slow drying by:



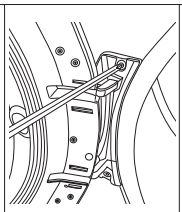
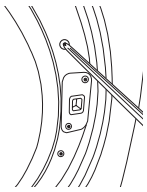
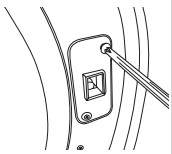
1. Restricting your dryer with a poor exhaust system.

2. Using a plastic, thin foil, or non-metal flexible duct.

3. Using unnecessarily long duct runs with many elbows.

4. Allowing crushed or clogged ducts and vent.

Door Reversal

1. Unplug power cord. **2.** Remove two door hinge screws. **3.** Lift the door and remove from dryer.		**6.** Place the door on the other side and reattach it to dryer.
4. Remove two screws on the opposite side of door hinge.		**7.** Reassemble holder lever.
5. Remove two screws on holder lever.		**8.** Reassemble the screws in the remaining holes.

2. PRODUCT SPECIFICATIONS

2-1. THE FEATURE OF PRODUCT

Concept

- Super Size Capacity
- Energy Saving
- Time Saving

Main Feature

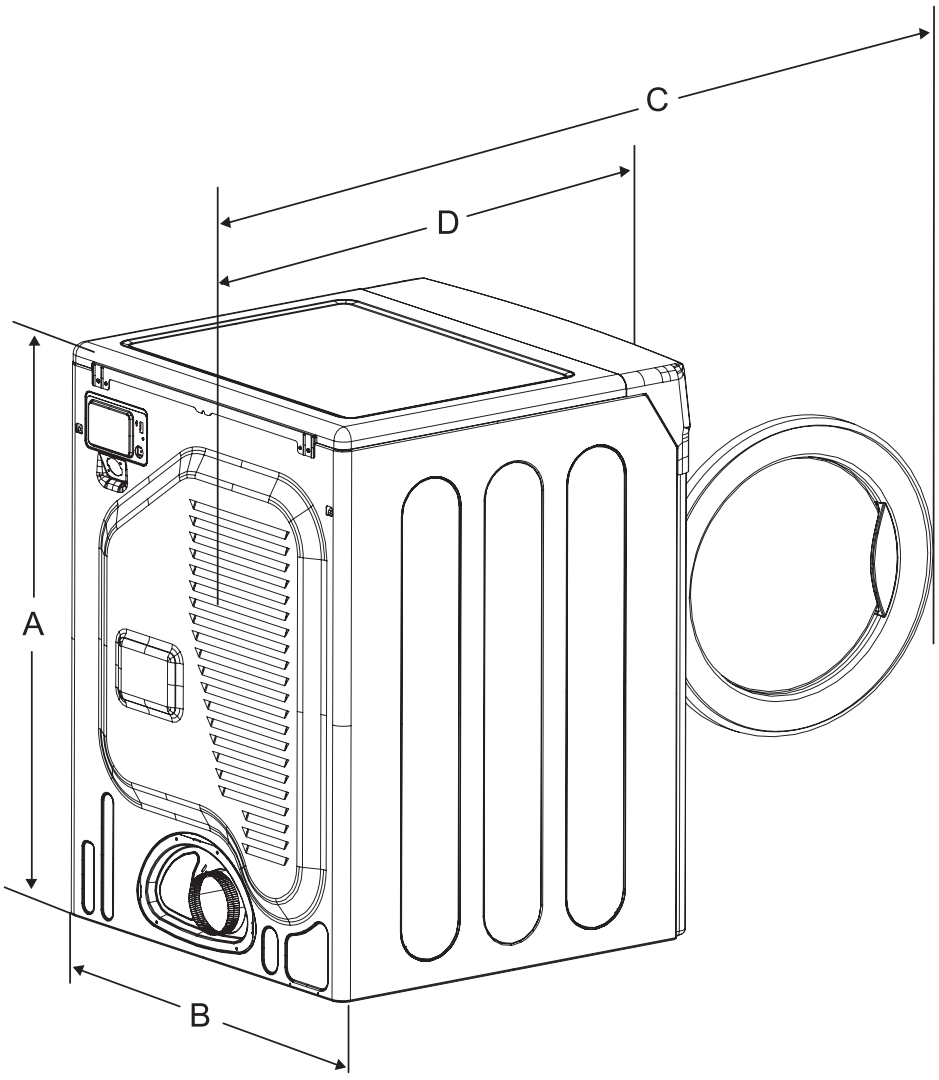
- 7.3 cu.ft.
- Energy Saving(3200 Wh/Cycle)
- Time Saving (Normal Course 44 min.)

Sub. Feature

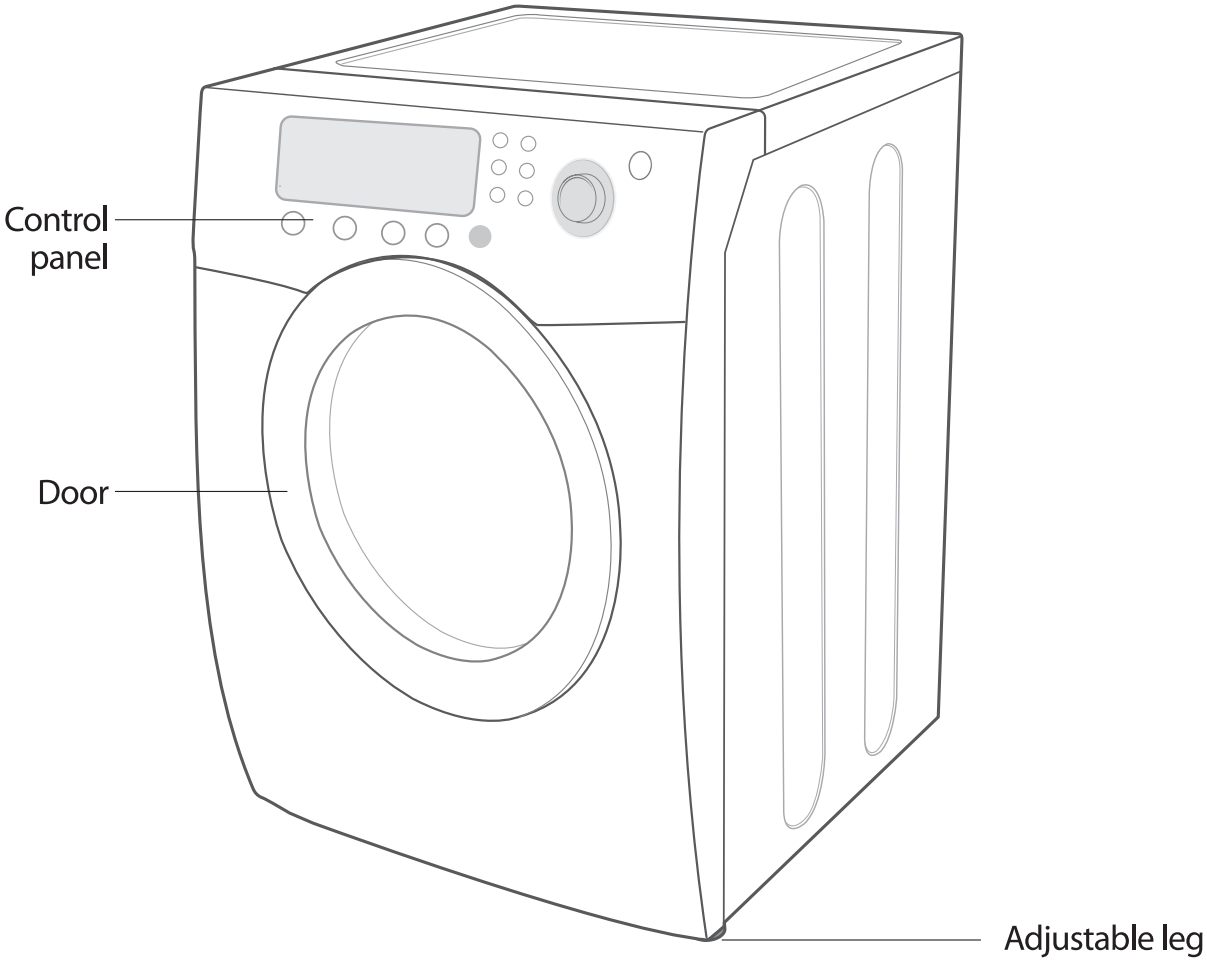
- Fuzzy Algorithm
- Easy Reversible Door
- Slanted control panel

2-2. SPECIFICATIONS OF PRODUCT

WASH TYPE	FRONT LOADING TYPE			
DIMENSION	Div	Inches (cm)	Div	Inches (cm)
	A. Height	38" (96.5)	C. Depth with door open 90°	49" (124.5)
	B. Width	27" (68.6)	D. Depth	30.25" (77.0)
WEIGHT	56.8kg			
HEATER RATING	5300W			
POWER CONSUMPTION	NO HEAT		268W	
	HEATING		5445W	



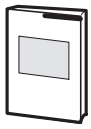
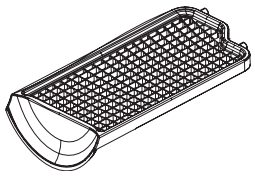
2-3. OVERVIEW OF THE DRYER



2-4. THE COMPARATIVE SPECIFICATIONS OF PRODUCT

Design		
Model	DV316LG	Frontier Dryer
Capacity	7.3	7.3
Door Type	Glass Transparent	Glass Transparent
Vent Exhaust	E/G, 3 way	E/G, 3 way
Heating Element (KW)	5300W / 22,000 BTU/hr	5300W / 22,000 BTU/hr
Voltage / Frequency	240V/60Hz	240V/60Hz
# of Drying Cycle	9	9
Normal	Yes	Yes
Heavy Duty	Yes	Yes
Towels	Yes	Yes
Perm Press	Yes	Yes
Delicates	Yes	Yes
Freshen Up	Yes	Yes
Time Dry	Yes	Yes
Wrinkle Release	Yes	Yes
Air Fluff	Yes	Yes
# of Option	3	3
My Cycle	Yes	Yes
Rack Dry	Yes	Yes
Wrinkle Prevent	Yes	Yes
# of Temp Level	5	5
High	Yes	Yes
Medium	Yes	Yes
Medium Low	Yes	Yes
Low	Yes	Yes
Extra Low	Yes	Yes
# of Dryness Level	5	5
Very Dry	Yes	Yes
More Dry	Yes	Yes
Normal Dry	Yes	Yes
Damp Dry	Yes	Yes
Sound Level	Louder/Softer/Off	Louder/Softer/Off
Adjust Time	Up/Down	Up/Down
Dimension (H x W x D)	38” x 27 x 31	38” x 27 x 31

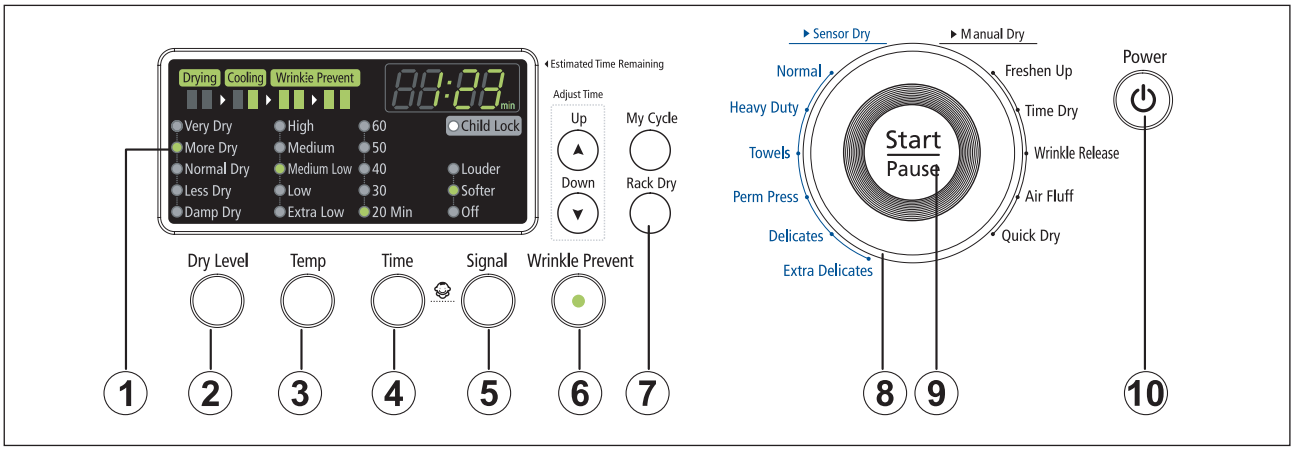
2-4. OPTION SPECIFICATIONS

Item	Item Name	CODE.NO	Remark
	MANUAL-BOOK	DC68-02312A	
	DIE-RACK DRY	DC61-01522A	

Memo

3. OPERRATING INSTALLATIONS AND INSTALLATION

3-1. OVERVIEW OF THE CONTROL PANEL



1. Digital Graphic Display

The display window shows the estimated time remaining in the cycle after the Cycle Selector dial is pressed. The estimated time remaining may fluctuate as the cycle progresses.
The Drying light will illuminate and remain lit until the cycle is complete.
When your dryer is in the cool-down phase, the Cooling light will illuminate.
When your dryer is in the wrinkle prevent phase, the Wrinkle Prevent light will illuminate.
When the cycle is complete, “END” will appear in the display panel until the dryer door is opened or Power key is pushed.
If your dryer is paused during a cycle, the indicator lights will blink until the Cycle Selector dial is pressed.

2. Dry Level Selection Button

To select the dry level in the Normal, Heavy Duty, or other Sensor Dry cycles, press the Dry Level button. An indicator light will illuminate next to the desired dryness level.
Press the button repeatedly to scroll through the settings. Larger or bulkier loads may require the Very Dry (select models) or More Dry setting for complete dryness.
The Less Dry setting is best suited for lightweight fabrics or for leaving some moisture in the clothing at the end of the cycle. Damp Dry (select models) is designed to partially dry items.
Use for items that lay flat or hang to dry.

3. Temp Selection Button

To select the correct temperature for the load, press the Temp button. An indicator light will illuminate next to the desired temperature. Press the button repeatedly to scroll through the settings.
High – For sturdy cottons or those labeled Tumble Dry.
Medium – For permanent press, synthetics, lightweight cottons, or items labeled Tumble Dry Medium.
Medium Low – For lower heat than Medium to dry synthetic or washable knit fabrics.
Low – For heat sensitive items labeled Tumble Dry Low or Tumble Dry Warm.
Extra Low – Provides the lowest heated dry temperature possible.

4. Time Selection Button

When using Manual Dry cycles, time can be adjusted by pressing time selection button.
During the Sensory Dry cycle, the time light indicator is off because exact drying times are determined by fluctuating humidity levels.

5. Signal Selection Button
When the cycle is complete, a chime will sound.
When the Wrinkle Prevent option is selected, the chime will sound intermittently.
Adjust the volume of the chime or turn it off by pressing the Signal button.
Press the button repeatedly to scroll through the choices.

6. Wrinkle Prevent Selection Button
Wrinkle Prevent provides approximately 90 minutes of intermittent tumbling in unheated air at the end of the cycle to reduce wrinkling. Press the Wrinkle Prevent button to activate this feature.
The indicator light above the pad will illuminate when Wrinkle Prevent is selected.
Chasing lights appear in the display when the Wrinkle Prevent option is selected. The load is dry, and can be removed at any time during the Wrinkle Prevent cycle.

7. Select Cycle Option
Adjust Time – Time can be added or subtracted from the automatically set times in the Manual Dry cycles (Time Dry, Freshen Up, Delicates, Wrinkle Release, or Air Fluff cycles).
To add or subtract time from the cycle, press the Adjust Time arrow pad up or down until the desired time is displayed.
My Cycle – Choose your favorite cycle including cycle, temp, dry level option, etc.
Rack Dry – Rack Dry is available at Time Dry cycle. Temperature will be set only to Extra Low.

8. Cycle Selector
To select a cycle, rotate the Cycle Selector dial to the desired cycle.
The indicator light by the cycle name will illuminate. The Normal, Heavy Duty, Towels, Perm Press and Delicates cycles are Sensor Dry cycles.
Sensor Dry automatically senses the moisture in the load and shuts the dryer off when the selected dryness level (very dry to damp dry) is reached.
Normal – Dry loads such as cotton, underwear, and linens use this cycle to get various levels of heat for drying.
Heavy Duty – Use this cycle to get high heat for heavy fabrics such as jeans, corduroys, or work clothes.
Towels – Dry loads such as bath towels.
Perm Press – Dry wrinkle-free cottons, synthetic fabrics, knits, and permanent press fabrics automatically. The cycle minimizes wrinkling by providing a longer unheated cool-down period at the end of the cycle.
Delicates – The Delicates cycle is designed to dry heat-sensitive items at a low drying temperature.
Freshen Up – This cycle removes odors and freshens garments.
Time Dry – Time Dry allows you to select the desired cycle time in minutes.
Turn the Cycle Selector dial to Time Dry, then press the Adjust Time up arrow to set the drying time. Press the arrow repeatedly to scroll through the time settings.
Wrinkle Release – The Wrinkle Release cycle will release wrinkles from items that are clean, dry, and only slightly wrinkled, such as clothes from a crowded closet, suitcase or items that have been in the dryer too long after the cycle has ended. Wrinkle Release can be used with any temperature selection.
Air Fluff – The Air Fluff cycle tumbles the load in room temperature air.

9. Start/Pause Selection Button
Press to pause and restart programs.

10. Power Button
Press once to turn your dryer on, press again to turn it off. If your dryer is left on for more than 10 minutes without any buttons being touched, the power automatically turns off.

3-2. CYCLE CHART

Cycle		Default			Drying	Cooling	Wrinkle prevent
		Temp control	Sensor dry level	Time	Time	Time	Time
Sensor Dry	Normal	High (Medium)	Normal dry	44 min	39 min	5 min	90 min
	Heavy Duty	High (No change)	Normal dry	60 min	55 min	5 min	90 min
	Towels	High (Medium)	Normal dry	52 min	47 min	5 min	90 min
	Perm Press	Medium Low (No change)	Normal dry	34 min	24 min	10 min	90 min
	Delicates	Low (No change)	Normal dry	29 min	24 min	5 min	90 min
	Extra Delicates	Extra Low (No change)	Normal dry	29 min	24 min	5 min	90 min
Manual Dry	Freshen Up	High (No change)	-	30 min	25 min	5 min	-
	Time Dry	High	-	40 min	35 min	5 min	-
	Wrinkle Release	Medium	-	25 min	20 min	5 min	-
	Air Fluff	- (No change)	-	20 min	-	20 min	-
	Quick Dry	High	-	30 min	25 min	5 min	-

3-3. MAIN FUNCTION

CHILD LOCK

A function to prevent children from playing with your dryer.

SETTING/RELEASING

If you want to set or release Child Lock, press both the Time and Signal buttons at the same time for 3 seconds.

How to Set:

1. It can be set while your dryer is running.
2. Once you set the Child Lock function, no button, except for the Power button, can be controlled until you release the Child Lock function.
3. The Child Lock indicator will be lit.

Notice:

1. If the power is on again, the Child Lock function remains unchanged.
2. To release that function, follow the instructions above.

Notice:

When other buttons, except for the Power button, do not respond, check the Child Lock indicator.

MY CYCLE

Lets you activate your customized cycle that includes Dry Level, Temp, Time option, etc.

By pushing the My Cycle button, you activate the settings used during the previous My Cycle mode. (Default : Normal Cycle)
If My Cycle mode is activated, My Cycle button will be lit.

You can select all options in My Cycle mode as follows.

1. Select cycle using Cycle Selector dial.
2. After cycle selection, set each option.

Note: At this time, the option will follow as per each cycle's default option selection.

Then you can start My Cycle by pushing the Start/Pause button in My Cycle mode.
The cycle and options you select will be displayed next time you choose My Cycle.

Rack Dry

INSTALLING THE DRYING RACK

1. Open dryer door.
2. Position drying rack in tumbler, placing the rear legs in the two recessed areas of the dryer's back wall.
3. Place the front lip of the drying rack on top of the lint filter.
4. Place items to be dried on the rack, leaving space between them so air can reach all surfaces.
5. Close dryer door.
6. Use the Time Dry cycle. Select time according to moisture and weight of the items. Start dryer.

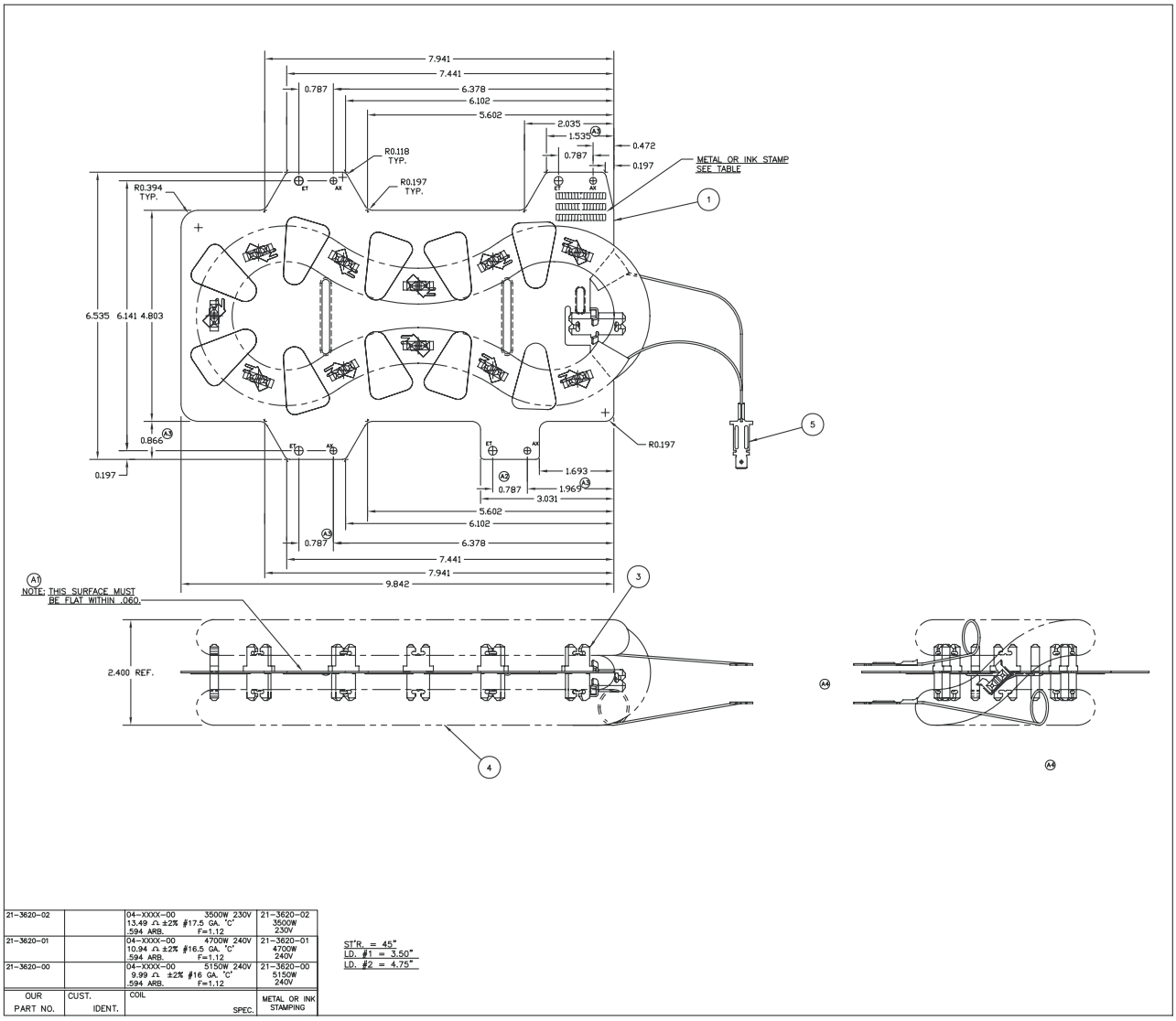
It may be necessary to reset the timer if a longer drying time is needed.

SUGGESTED ITEMS	SUGGESTED TEMP. SETTINGS
Washable sweaters (block to shape and lay flat on rack)	Heat (Low/Extra Low)
Stuffed toys (cotton or polyester fiberfilled)	Heat (Low/Extra Low)
Stuffed toys (foam or rubber-filled)	Air Fluff
Foam rubber pillows	Air Fluff
Sneakers	Fluff or Heat

WARNING – Drying foam rubber, plastic, or rubber on a heat setting may cause damage to the item and lead to a fire hazard.

3-4. DESIGNATION OF MAIN COMPONENTS

3-4-1. Heater



OUR PART NO.	CUST. IDENT.	COIL SPEC.	METAL OR INK STAMPING
21-3620-02		04-XXXX-00 3500W 230V 13.49 Ω ±2% #17.5 GA. "C" .594 ARB. F=1.12	21-3620-02 3500W 230V
21-3620-01		04-XXXX-00 4700W 240V 10.94 Ω ±2% #16.5 GA. "C" .594 ARB. F=1.12	21-3620-01 4700W 240V
21-3620-00		04-XXXX-00 5150W 240V 9.99 Ω ±2% #16 GA. "C" .594 ARB. F=1.12	21-3620-00 5150W 240V

3-4-2. Motor

NO	item	spec	NO	item	spec
1	rated	120V 60Hz	6	CAPACITOR	–
2	CORE	□133	7	AIR GAP	–
3	stator	24 mm	8	SKEW	–
4	coil Φ,TURN	Main : Φ1.0 Sub : Φ0.75	9	END RING	–
5	resistance(Ω)	COM-MAIN : 3.5Ω	10	resistance(Ω)	COM-SUB : 2.88Ω

MOTOR : MDE7800 120V 60Hz

1. No Load Test

Item		SPEC	C.C.W(Pulley side)			$\overline{X}$	Judge
			#1	#2	#3	C.W	
Input Power(W)		190 ↓	159.0	165	158	160.7	PASS
Input Current(A)		4.9 ↓	4.367	4.375	4.289	4.344	PASS
RPM		1750↑	1785	1784	1784	1784	PASS
Noise(dB)		50↓	49.1	48.7	49.3	49.03	PASS
Starting Voltage(V)		50 ↓	21	23	22	22.0	PASS
Centrifugal Switch	close	1350±75rpm	1309	1315	1310	1311.0	PASS
	open	870±100rpm	857	850	864	857.0	PASS
Abnormal	Input Power(W)	5000 ↓	4451.0	4338.0	4494.0	4427.7	PASS
	Input Current(A)	46 ↓	40.930	39.770	41.520	40.740	PASS
	PROTECTOR	Normal	OK	-	-	OK	PASS

2. Rated Load Test

Item		SPEC(WASH)	Dryer			$\overline{X}$	Judge
			#1	#2	#3	Wash	
Motor	Input Power(W)	400 ↓	332.0	354.7	340.0	342.2	PASS
	Input Current(A)	5.0 ↓	4.357	4.458	4.388	4.401	PASS
Heater	Input Power(W)	5700 ↓	5149	5150	5147	5149	PASS
	Input Current(A)	24 ↓	21.54	21.54	21.53	21.54	PASS
Total	Input Current(A)	27 ↓	24.57	24.72	24.62	24.64	PASS
DRUM_RPM		49 ± 3	48.5	48.7	48.6	48.6	PASS
Temperature Rise(deg)_UL		95deg ↓	85	82	83	83.3	PASS
Temperature Rise(deg)_IEC		95deg ↓	88	91	89	89.3	PASS

3. Disassemble Inspection

item	#1	#2	#3	Judgment
each part normal test	OK	OK	OK	PASS

4. Reference

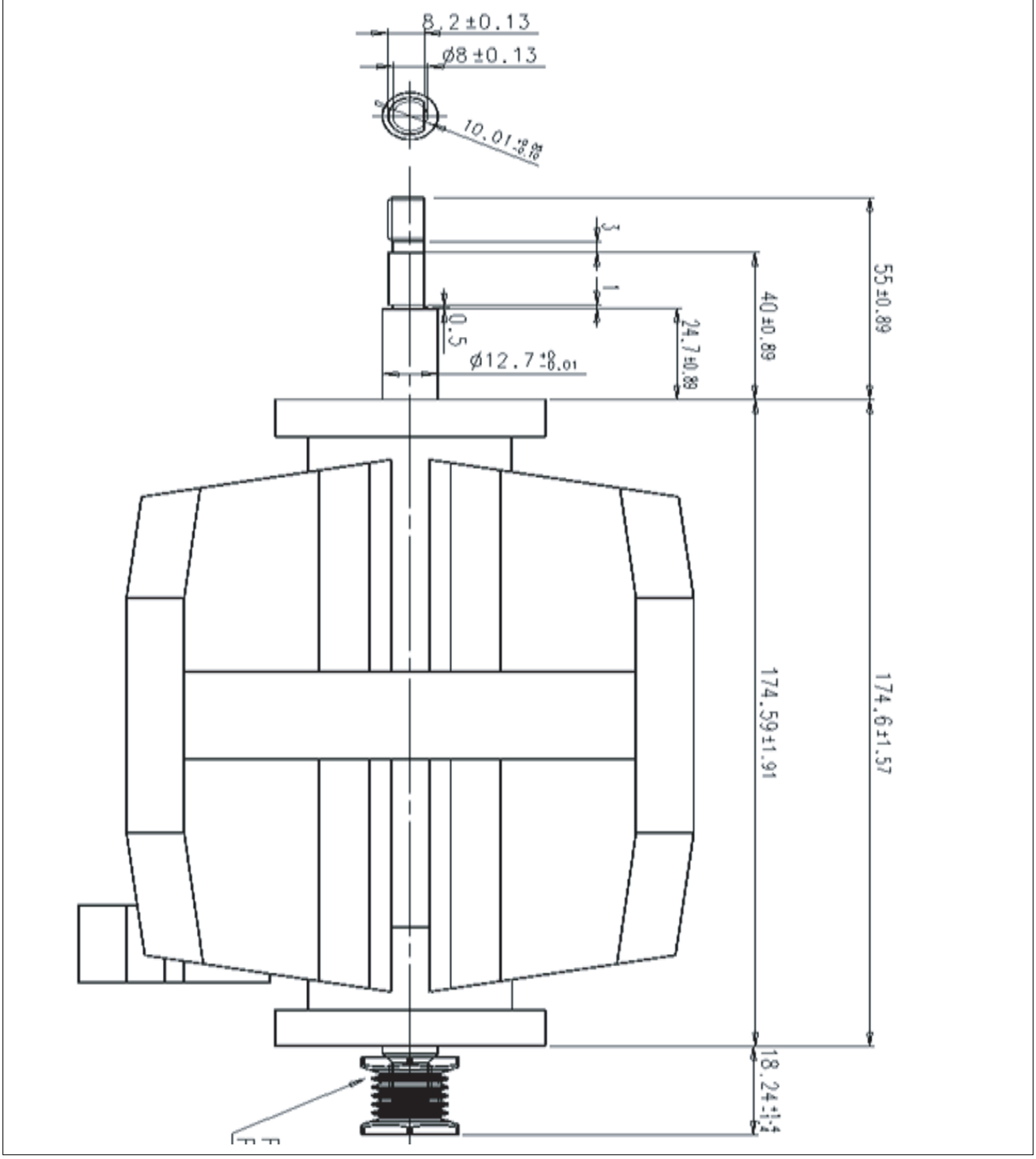
4-1 temperature rising test CONDITION

:IEC(Rated voltage*1.06(V), Rated Frequency, Time dry 60m, towel 7.2kg, 3cycle)

:UL(Rated voltage, Rated Frequency, Time dry 60m, towel 6.6kg, 3cycle)

5. Mechanical Dimension

spec	174.6±1.57	24.7±0.89	40.0±0.89	55±0.89	10.01 (+0.05 -0.1)	12.7 (+0 -0.01)	8.2±0.13	18.24±1.4
1	174.04	24.66	40.16	55.14	10.004	12.689	8.247	19.15
2	174.66	24.46	40.06	54.83	10.031	12.687	8.277	18.62
3	174.24	24.69	40.16	54.88	9.995	12.688	8.222	19.03
4	174.69	24.51	40.17	54.82	10.049	12.688	8.233	18.57
5	174.34	24.06	40.08	54.93	10.057	12.687	8.225	18.89



4. ALIGNMENT AND ADJUSTMENTS

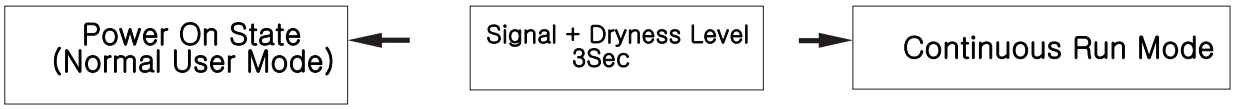
4-1. ERROR ITEMS AND DIAGNOSTIC CODES

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

Display	Description	Trigger	Action Taken
tS	Dryer Thermistor Short Sensed	The Thermistor resistance is very low.	Check for: - Clogged lint screen. - Restricted vent system. - Check Thermistor resistance.
tO	Dryer Thermistor Open Sensed	The Thermistor resistance is very high.	Check for: - Clogged lint screen. - Restricted vent system. - Check Thermistor resistance.
do	Door Open	Running the dryer with door open	Check for: - Close the door, and run the dryer - Loose or open wire terminals in Door Sense circuit.
FE	Power source frequency Error	Invalid power source Frequency	Check for: - Not using regular power source frequency - Invalid power frequency sense circuit
dF	Door Circuit Failure	Invalid state for more than 256 milliseconds	Check for: - Loose or open wire terminals in Door Sense circuit.
hE	Heater Error	Invalid heating Temp in running the dryer	Check for: - Restricted vent system. - Check Thermistor resistance.
bE	Button Error	Invalid state of key circuit short for 75secs	Check for: - Display PCB key circuit short or not
od	Over Dry	Invalid Dry time in excess Dry time	Check for: - Sensor bar Open - using Adjust time Up excessively
Et	EEprom Fail	Invalid state of Eeprom communication	Check for - PCB on EEprom circuit

4-2. TEST MODE

4-2-1. Continuous Run Mode



Continuous Run Mode:

1. Press Signal + Dryness Level for 3 sec during Power On State (Normal User Mode) .
2. Once in Continuous Run Mode, 7-Segment will toggle display “cc” and the remaining time.
3. The previous cycle will restart during Continuous Run Mode until continuous run mode is disabled.
4. During Continuous Run Mode, press Signal + Dryness Level for 3 seconds to return to normal user mode. 7-segment will no long display “cc” and only display the remaining time.

4-2-2. Special Test Mode

Definition of Special Test Mode:

- Dryer must be on before Service Mode can be entered.
- Press Signal and Temp Keys for 3 seconds, or until 3 beeps are heard.
- The machine will now be in Service Mode.
- Upon entry into Service Mode, the Sensor Bar Touch Data will be shown (Default Special Test Mode).

How to Enter:

- To enter Special Test Mode press Signal and Temp Keys for 3 seconds for 3 seconds or until the control beep.
  (same for all Frontier models.)

4-2-3. Sensor Bar Touch Data Mode

Definition of Sensor Bar Touch Data Mode:
-While in Power On pressing Signal and Temp Keys for 3 seconds
-This action will put the dryer into sensor bar touch data mode
- Dryer will display Sensor Bar data. This mode is default mode of entering service mode

How to Enter:
- While in Power off pressing Signal and Temp Keys for 3 seconds (same for all Frontier models.)

4-2-4. Cycle Count Mode

Definition of Cycle Count Mode:
- While in Service Mode pressing the Signal key will put the dryer into the cycle count mode
- Cycle number executed will display.

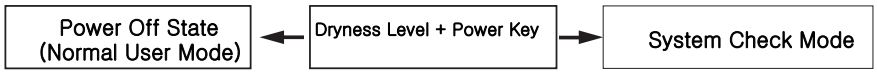
How to Enter:
- To enter Special Test Mode press While in Service Mode pressing the Signal key for 3 seconds or until the control beep.
(same for all Frontier models.)

4-2-5. Software Version Mode

Definition of Software Version Mode:
- While in Service Mode pressing the Temp key will put the dryer into the software version mode

How to Enter:
- To enter Special Test Mode press Temp Key until the control beep.
  (same for all Frontier models.)
  ex) In case of “U105”, U0 means major version “v1“ 05 means minor version “05”

4-2-6. System Check Mode



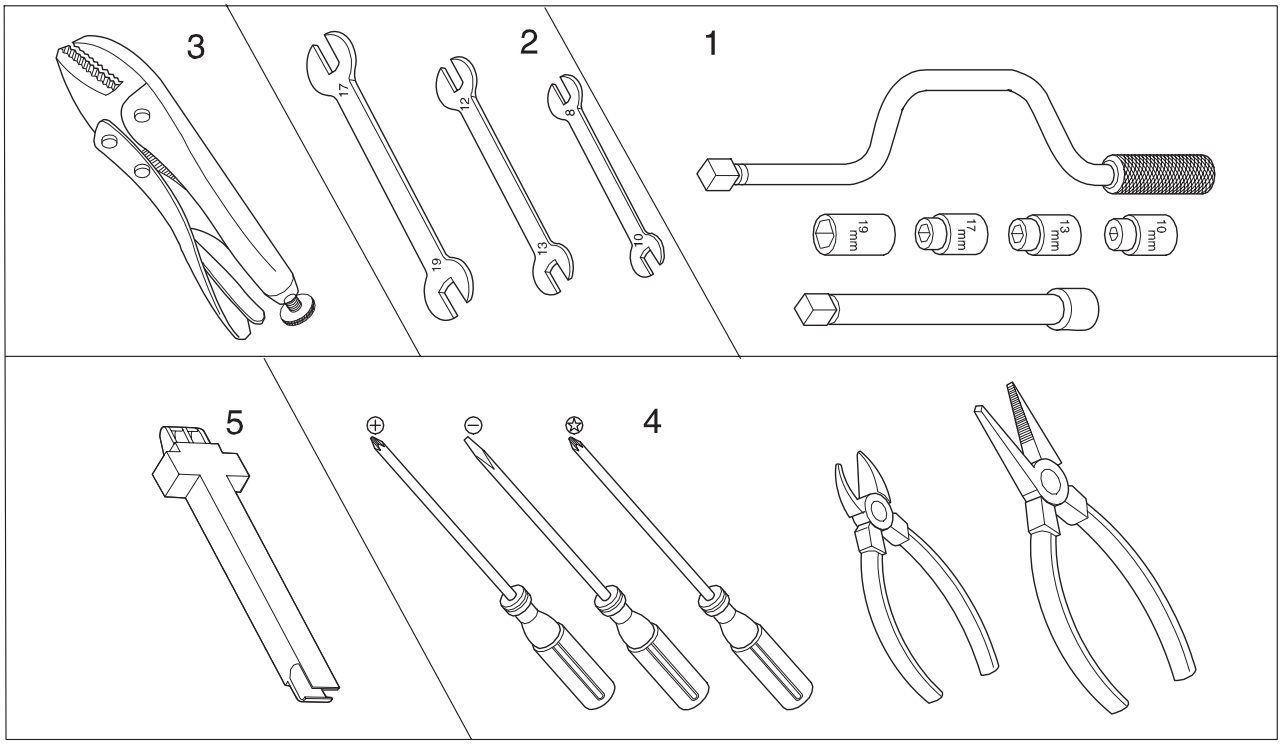
Special Test Mode:
- While in Power Off, pressing the Dryness Level + Power keys simultaneously will put the dryer into the System Check mode
- “ t2 “ will display.
- System Check Mode Progress

t2 mode Function Performed Start/Pause Motor(CW) Relay On → Heater Relay On → Heater Relay Off → Motor(CW) Relay Off (Circulation)

5. ASSEMBLY AND DISASSEMBLY

5-1. TOOLS FOR DISASSEMBLY AND ASSEMBLY

NO.	TOOL		
1	Box driver	10mm 13mm 19mm	Heater (1) Motor (1), Balance (5), 2 holes of each left and right of the shock absorber 1 Pulley hole
2	Double-ended spanner	10, 13,19mm	Replaceable for the box driver. Since the bolt runs idle when the box driver is used, use the box driver 17mm.
3	Vice pliers		Tool to protect the idle and abrasion of the bolt for the box driver.
4	Other(Driver, Nipper, Long nose)		General tools for the after service.
5	JIG for the Tub		1 (Disassemble and Assemble)



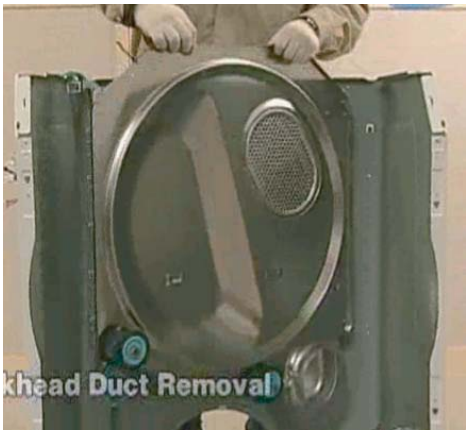
5-2. DISASSEMBLY

Warning! To avoid risk of electrical shock, personal injury or death, disconnect the power to the washing machine.

Part Name	Descriptive Picture	How To Do
Top Removal		1.Disconnect power supply to unit. 2.Remove 2 10mm screws from dryer back. 3.Slide Top Cover towards the rear and lift from unit.
Drum Baffle Removal		1.Disconnect power supply to unit. 2.Remove Top Cover. 3.Remove four screws located at the sound dampening seem.
Console Removal		1.Disconnect power supply to unit. 2.Remove Top Cover. 3.Remove two screws mounting the Heater PCB Board. 4.Disconnect the black and white connectors. 5.Remove four screws attaching Console to dryer 6.Rotate Console down and remove from dryer.

Part Name	Descriptive Picture	How To Do
Front Panel Removal		1.Disconnect power supply to unit. 2.Remove Top Cover. 3.Remove Console. 4.Remove four screws attaching Front Panel to dryer. 5.Remove two screws in the door area. 6.Pull Front Panel forward and disconnect the Interior Light harness. 7.Lift the Front Panel off the three tabs across the bottom and remove.
Front Bulk-head Removal		1.Disconnect power supply to unit. 2.Remove Top Cover. 3.Remove Console. 4.Remove Front Panel. 5.Remove screws retaining Console Back Cover. 6.DisconnectInteriorLightwiring harness. 7.Disconnect Moisture Sensor wiring harness. 8.Remove four Bulkhead retaining screws. 9.Lift Bulkhead from Cabinet and remove.
Moisture Sensor Removal		1.Disconnect power supply to unit. 2.Remove Top Cover. 3.Remove Console. 4.Remove Front Panel. 5.Disconnect Moisture Sensor wire harness. 6.Remove sensor attachment screw.

Part Name	Descriptive Picture	How To Do
Drum Removal		1.Disconnect power supply to unit. 2.Remove Top Cover. 3.Remove Console. 4.Remove Front Panel. 5.Remove Console Back Cover. 6.Remove Front Bulkhead. 7.Remove belt from Idler Pulley. 8.Grasp the Drum with one hand and the belt with the other. Lift the Drum and slide out the front. Carefully spread the cabinet as needed to gain additional clearance.
Rear Roller Removal		1.Disconnect power supply to unit. 2.Remove Rear Bulkhead. 3.Remove Roller Keeper and nut.
Motor/ Blower Assembly Removal (1)		1.Disconnect power supply to unit. 2.Remove Top Cover. 3.Remove Console. 4.Remove Front Panel. 5.Remove Console Back Cover. 6.Remove Belt from Idler Pulley. 7.Remove Drum. 8.Remove the two screws securing the Blower Intake Panel to the Blower Housing. Remove Blower Intake panel. 9.Removed the screw at the bottom of the blower housing. 10.Remove the blower attachment screw under the Thermistor. 11.Remove two screws attaching the motor bracket to the base. 12.Disconnect the Motor wire harness and the two wires to the belt switch.

Part Name	Descriptive Picture	How To Do
Motor/Blower Assembly Removal (2)		13.Slide the Motor Blower. Assembly toward the heater and lift to disengage the tabs on the motor from the slots in the base. 14.Remove the 14mm nut securing the blower wheel to the shaft. The nut is a left hand thread. **NOTE: A wrench can be placed on both ends of the Motor Output Shaft.** 15.Remove Blower Wheel. 16.Remove the three screws securing the blower housing to the motor bracket. 17.Remove the three screws securing the blower housing to the motor bracket . 18.Use a wide blade screwdriver to pop off the motor retentionclamps.
Rear Bulkhead Removal		1.Disconnect power supply to unit. 2.Remove Top Cover. 3.Remove Console. 4.Remove Front Panel. 5.Remove Console Back Cover. 6.Remove Belt from Idler Pulley. 7.Remove Drum. 8.Remove 7 screws from the back. 9.Lift the rear bulkhead off the right and left side hangers.
Burner Removal		1.Disconnect power supply to unit. 2.Shut off gas supply. 3.Disconnect gas line. 4.Remove two screws securing burner to bracket. **NOTE: The Igniter Bar is fragile. Be careful not to damage Igniter when removing Burner Assembly.** 5.Remove the two screws attaching the housing to the burner bracket. The screws are recessed from view. 6.Slide Burner Assembly from dryer.
Heater Assembly Removal		1.Disconnect power supply to unit. 2.Remove Top Cover. 3.Remove Console. 4.Remove Front Cover. 5.Remove Heater Assembly retaining screw. 6.Slide Heater Assembly out the front of dryer. 7.Remove the wiring terminals from the Heater Assembly. 8.Reinstall by aligning the tabs on the back bulkhead with the notches in the Heater As sembly.

5-3. REASSEMBLY

Reassembly procedures are in the reverse order of dissasembly procedures.

6. TROUBLE SHOOTING

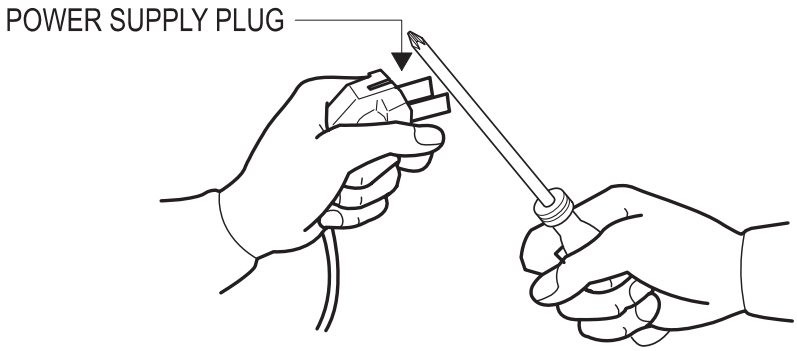
6-1. TROUBLE DIAGNOSIS

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

Caution for the Repair and Replacement

Please follow below instruction for the trouble diagnosis and parts replacement.

1) As some electronic components are damaged by the charged static electricity from the resin part of wash machine or the human body, prepare the human body earth or remove the potential differ ence of the human body and wash machine by contacting the power supply plug when the work contact ing to PCB is executed.



2) Since AC220~240V is applied to the triac T1 and T2 on P.C.B, the electric shock may occur by touching and be careful that the strong and weak electricity are mixed.

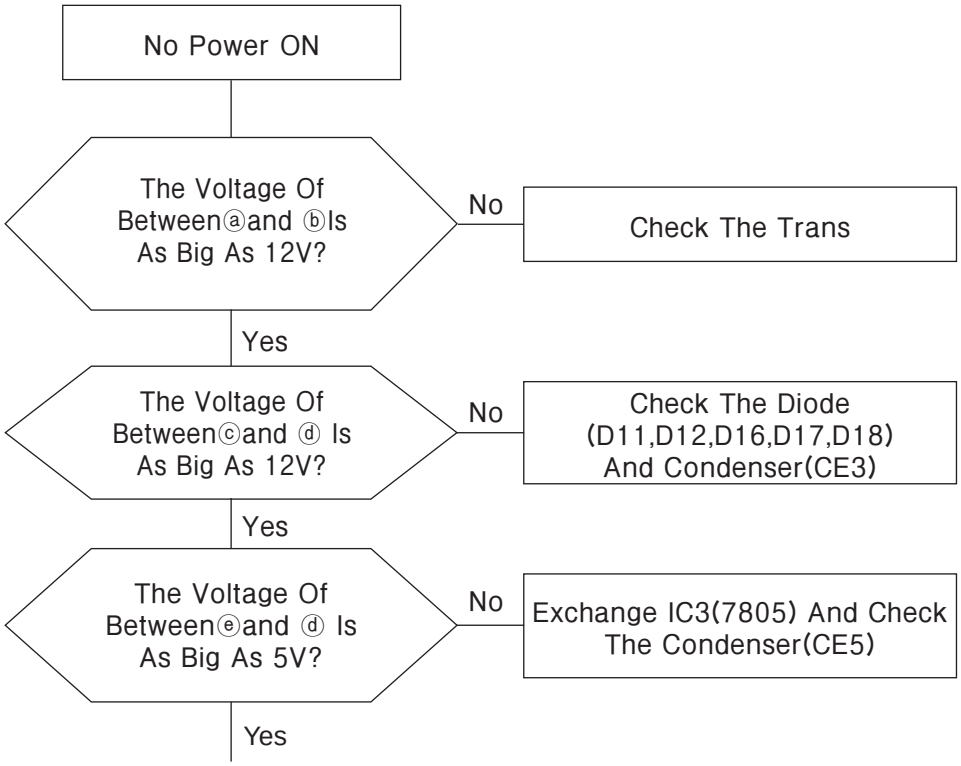
3) As the P.C.B assembly is designed for no trouble, do not replace the P.C.B assembly by the wrong diagnosis and follow the procedure of the trouble diagnosis when the micom is not op erated normally.

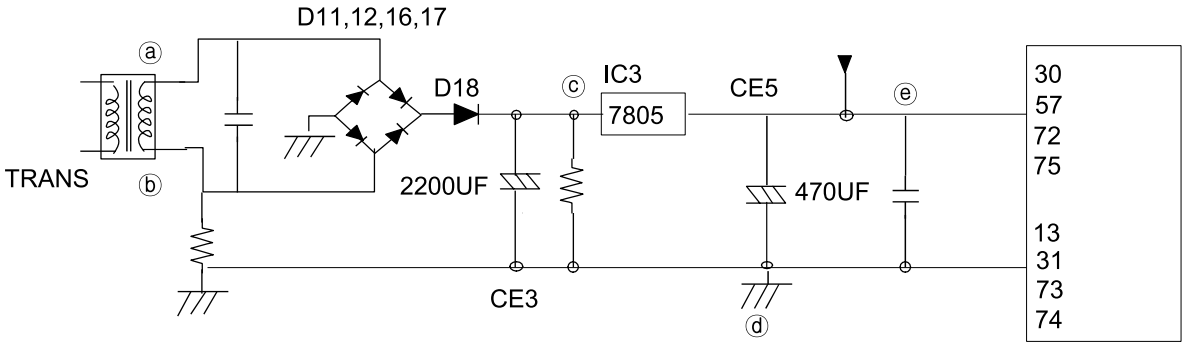
No	Problem	What To Do
1	Will Not Start or Run	• All wires are hooked up to their corresponding terminals. • Dryer is plugged in. • Blown fuse or circuit breaker. • Door switch functional...door closed. Check for error code 3 (See Table for code definition). • Start/Pause rotary selector dial functional. • Control Board operational. • Belt off or broken and Belt Cut-off Switch operates. • Drive motor functional. • Check motor winding resistance: 2.88ohms between pin #3 and 4, 3.5ohms between pin #4 and 5.
2	Motor runs/ tumbler will not turn	• Belt off or broken/damaged. • Idler tension spring too weak or stretched. • Idler pulley jammed or stuck.
3	Runs a few minutes and then stops	• Lint buildup around drive motor. • Low voltage present. • Blower impeller blocked in blower housing. • Drive motor - start switch contacts stuck closed.
4	Blows fuses or trips circuit breaker	- Is the belt connected well? - Is the winding of the motor continuous? (Rotor winding, stator winding, generator) - Is the motor protector normal? • If above points are not found, the PCB assembly is out of order. Replace it.
5	Blows fuses or trips circuit breaker (Gas Model)	• During ignition the dryer will draw X amps. With the burner ON, the dryer will draw X amps. If the dryer is drawing amperages above this, then the house wiring, fuse box or circuit breaker is suspected to be at fault. • Igniter harness loose and shorted to base. • Incorrect wiring or wire shorted to ground. • Drive motor winding shorting to ground.
6	Will not heat (motor runs)	Open heating element. • Hi-Limit trips easily or is open. • Regulating thermostat trips easily or is open. • Membrane switch open. • Check Thermistor.
7	Will Not Dry Gas Model Poor Gas Ignition	When the dryer is operated on a heat setting, the igniter should be energized and burner shall fire within 45 seconds at 120 VAC. The failure of a component in this system will usually be indicated by one of three symptoms:
8	The igniter does not glow	If the igniter does not heat up, remove power and using an ohmmeter, check the following: • Open flame sensor • Open igniter • Shorted booster coil • Open wiring • Bad motor switch (Neutral supply) • No power from control (L1 supply)
9	Igniter glows - No gas ignition	If the igniter heats up but the main burner flame is not ignited, remove power and using an ohmmeter, check the following: • Open secondary coil • Open holding coil • Open wire harness • Stuck flame sensor (Stuck closed)
10	The gas is ignited but the flame goes out	If a normal ignition takes place and after a short while the flame goes out, check for the following: • Radiant sensor contacts opening prematurely. • Weak gas valve coil may open when stressed by higher Temps. • Weak Hi-Limit • Poor venting • Bad drum seals
11	Improper drying clothes wrinkled Rough texture long dry time	• Lint filter is not clean. • Restriction in exhaust. • Outside exhaust hood damper door stuck closed. • Exhaust too long, too many elbows, flex ductwork installed. • Poor intake air available for the dryer. • Incorrect tumbler speed. Tumbler belt slipping. • Blower impeller bound; check for foreign material in blower area. • Customer overloading dryer. • Check clothing labels for fabric content and cycle selected. • Clothes too wet due to insufficient spin out by washer.
12	Noisy and/Or Vibration	• Thumping Check for loose tumbler baffle, rear tumbler roller(s) worn or misaligned, out-of-round tumbler or high weld seam on tumbler. • Ticking Check for loose wire harness or object caught in blower wheel area. • Scraping Check for front or rear bulkhead felt seal out of position or worn tumbler front bearings. • Roaring Check for blower wheel rubbing on blower housing or bad motor bearings. • Popping or squealing sound. Check for a sticky or frayed belt.

6-2. PROBLEM CHECKING AND METHOD OF PCB

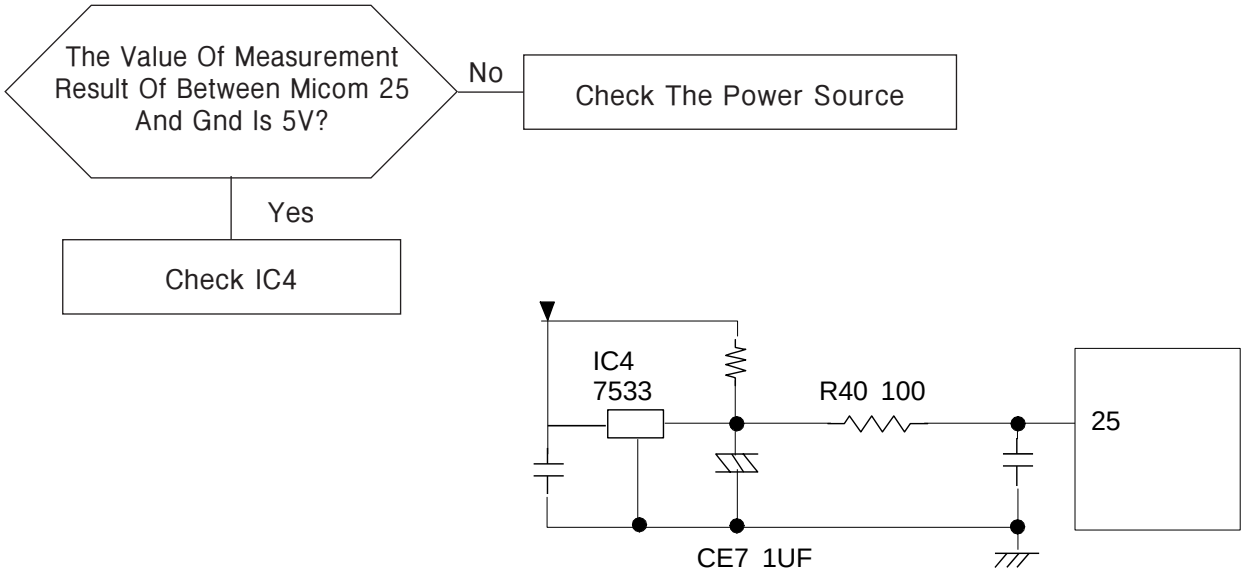
-If you plug in the power cord and turn Power S/W on, memorized data is displayed.
If any data is not displayed, check the followings.

6-2-1 The Part Of Power Source

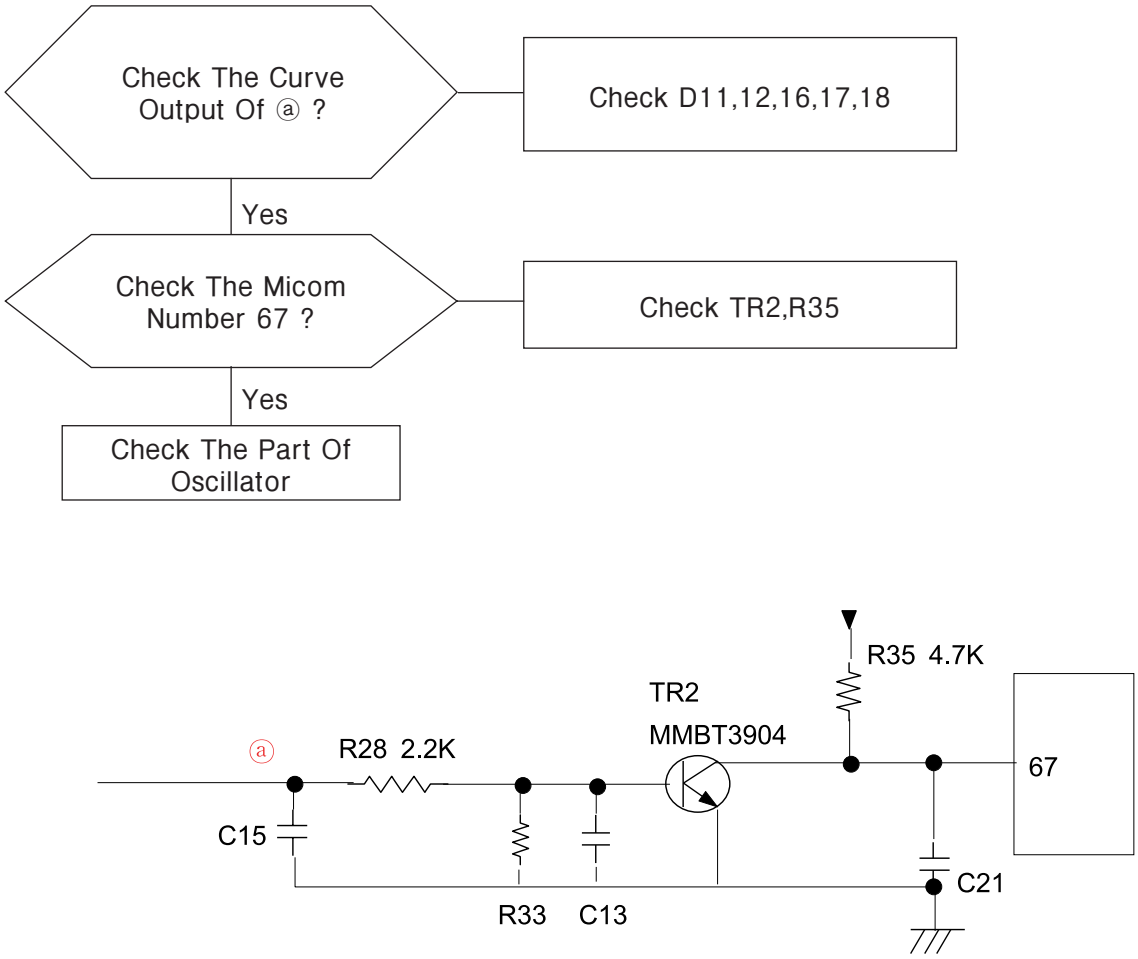




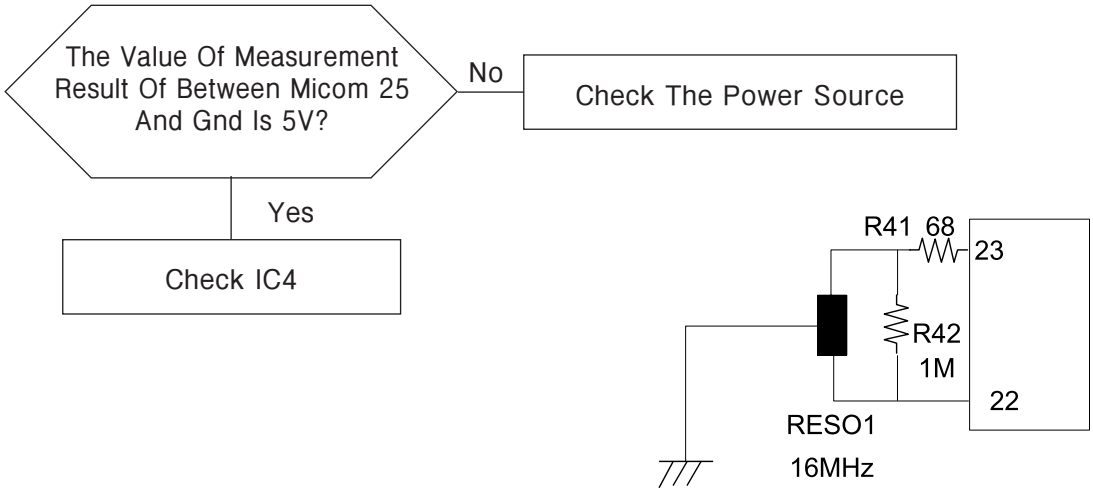
6-2-2. Reset Part



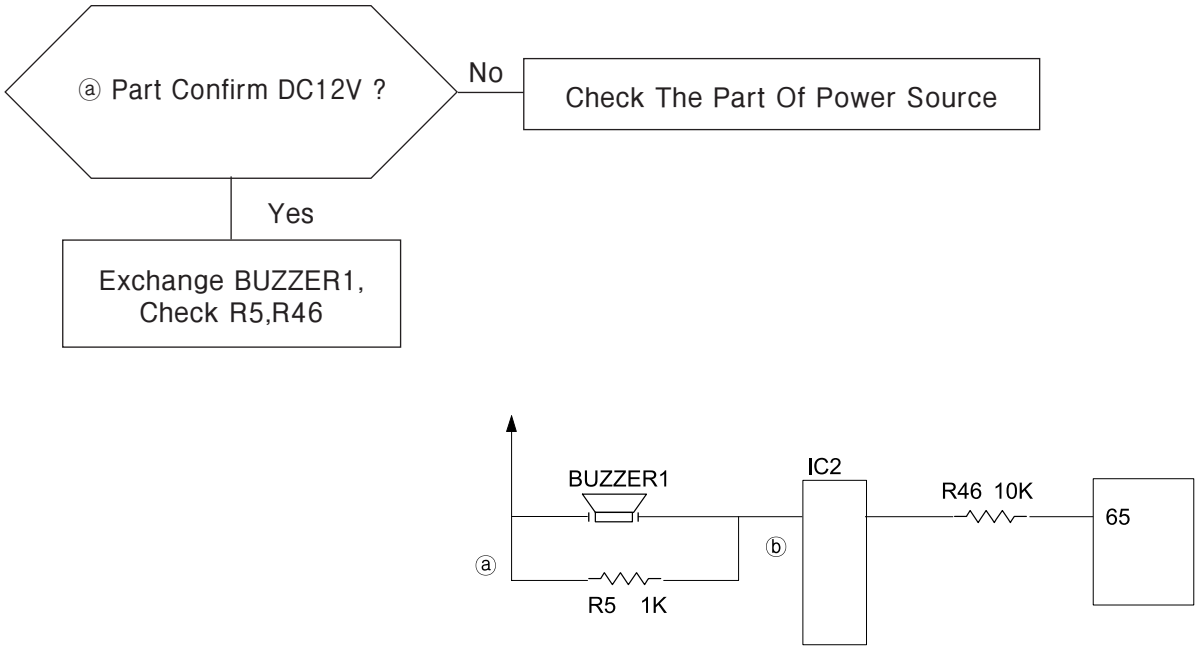
6-2-3. Interrupt Part



6-2-4. Checking The Part Of An Oscillator



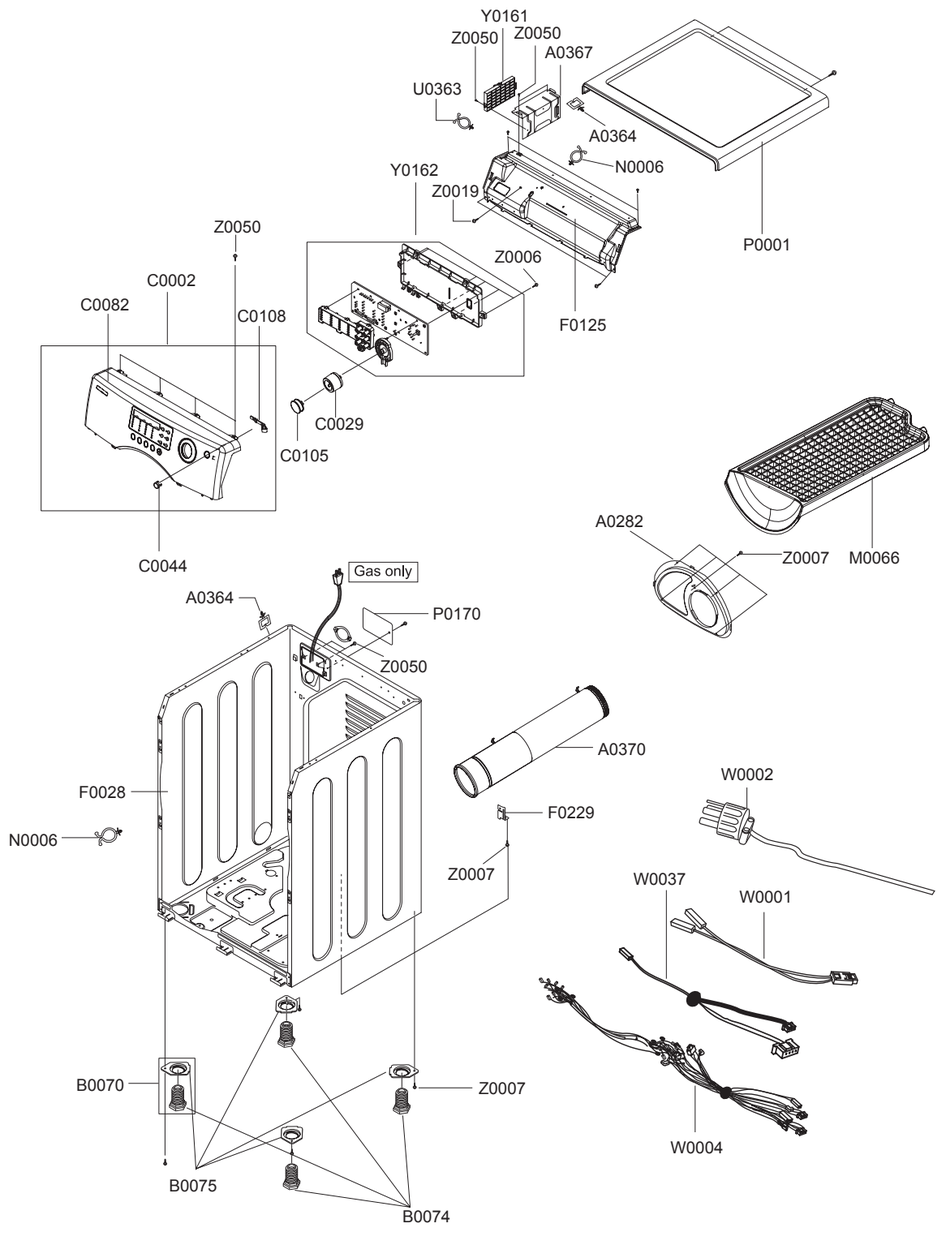
6-2-5. Check The Part Of Buzzer

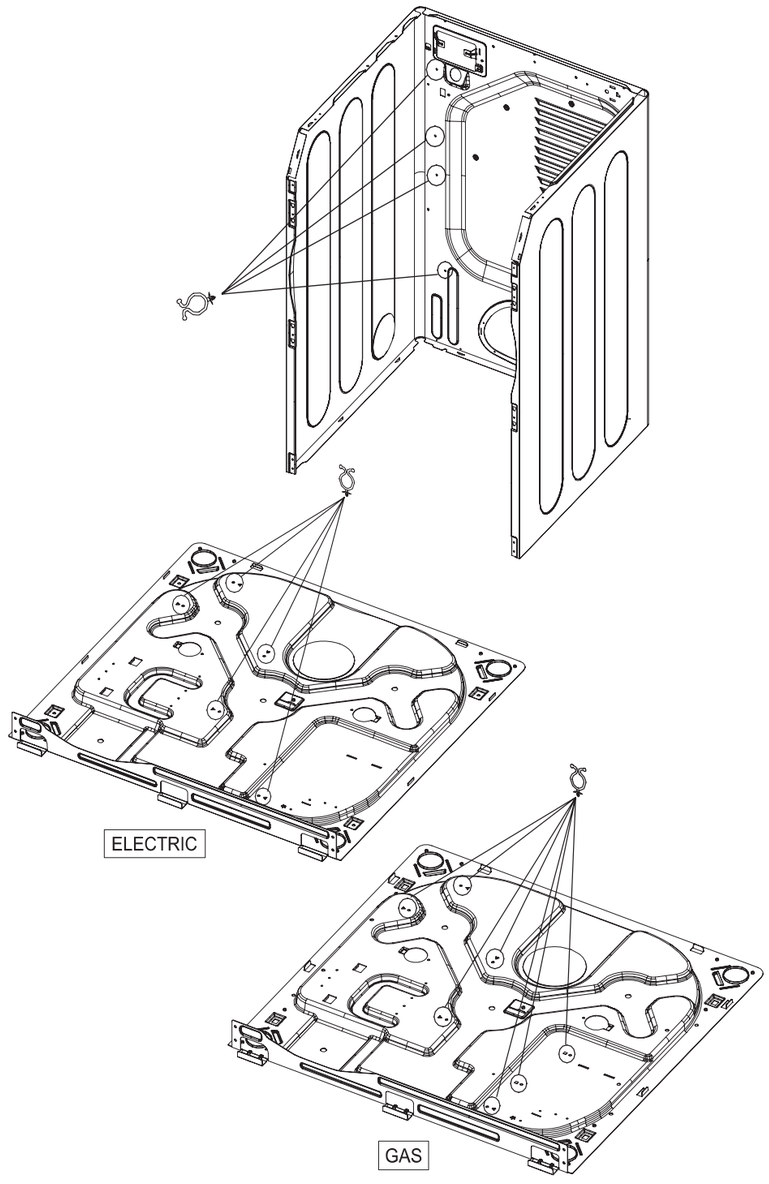


Memo

7. EXPLODED VIEW AND PARTS LIST

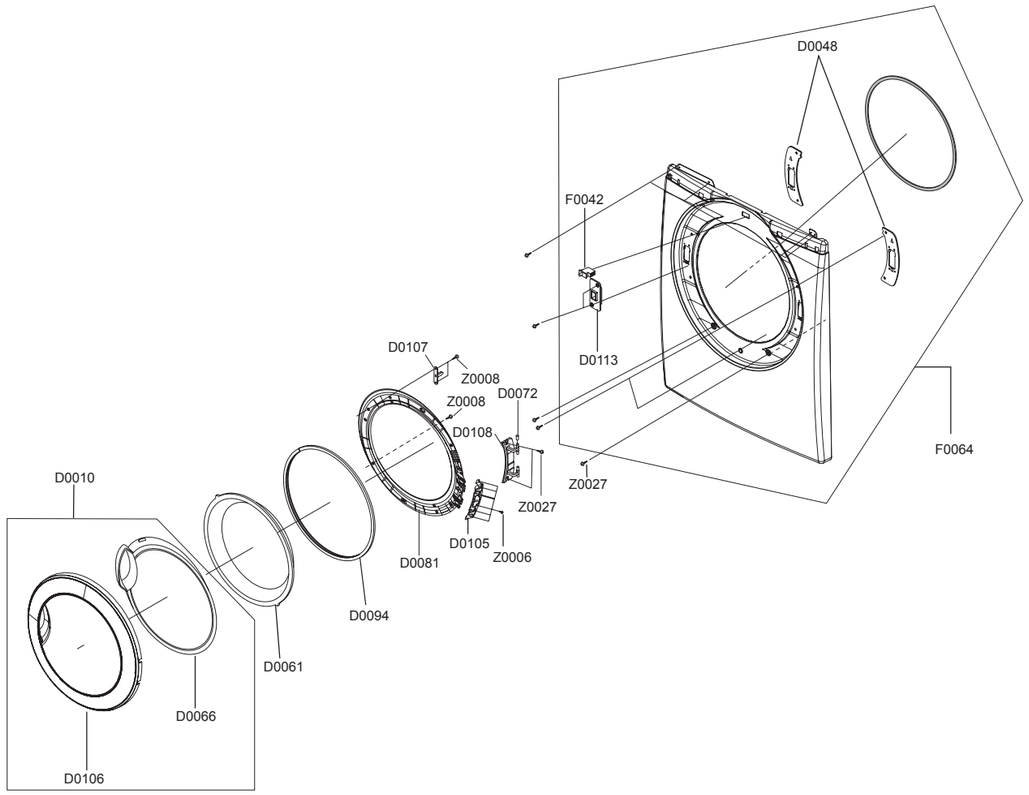
7-1. EXPLODED VIEW OF FRAME, PANEL-CONTROL





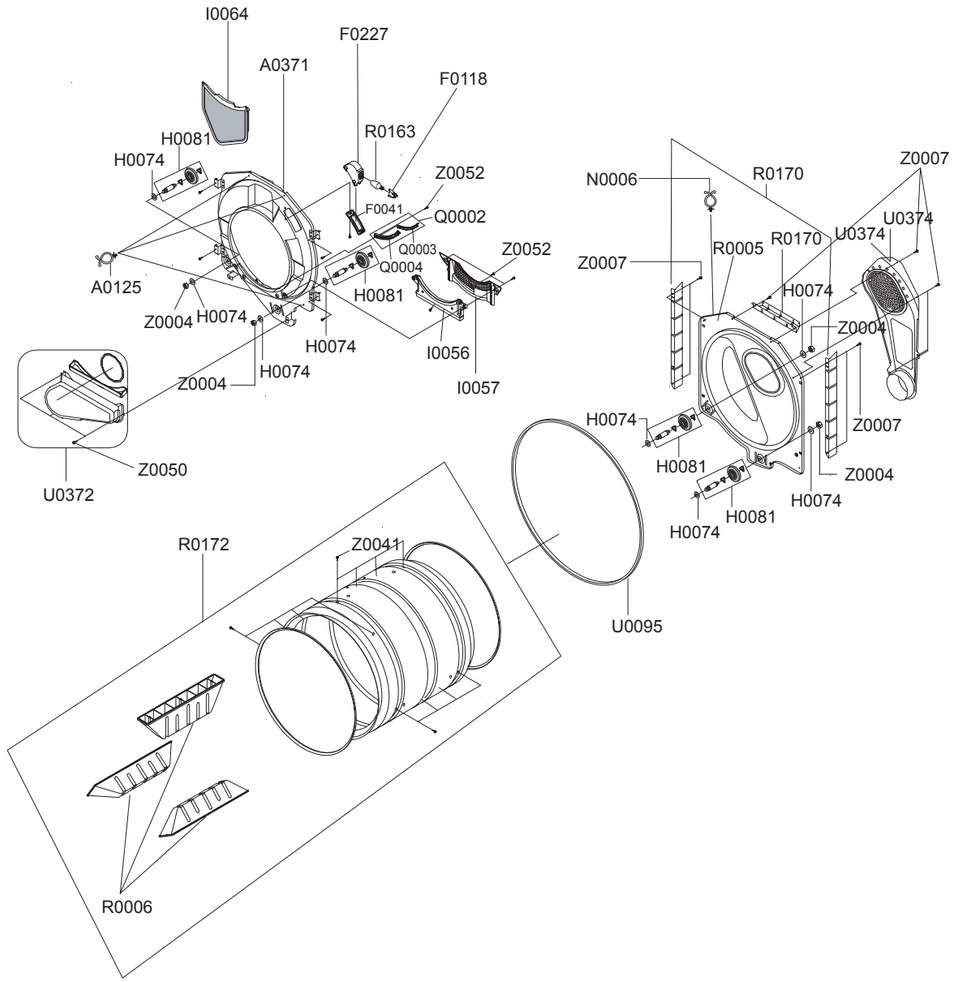
Location No.	Code No.	DESCRIPTION	SPECIFICATION	QTY	SA/SNA	REMARK
A0282		COVER-BACK	WINGS-DRYER,SGCC(GI),T0.8	1	SA	
A0364		CLAMPER-WIRE SADDLE	NYLON#66(DAWS-6NB)	3	SA	
A0367		HOLDER-PCB	WINGS-DRYER,SECC(EGI),T0.8,	1	SA	
A0370		ASSY-DUCT EXHAUST	MDE7800AYW,DRYER	1	SA	
B0070		ASSY-LEG	MDE9700AYW,DRYER/MAYTAG	4	SA	
B0074		LEG	WINGS-PROJECT,FRPP	1	SA	
B0075		BRACKET-LEG	WINGS-DRYER,SECC(EGI),T1.6	1	SA	
C0029		ASSY-KNOB ENCODER	FRONTIER,BBY	1	SA	DV3C6BEW, DV3C6BGW DV316BEC, DV316BGC DV316BEW, DV316BGW
C0029		ASSY-KNOB ENCODER	FRONTIER,LOWES	1	SA	DV316LGW, DV316LEW DV306LEW, DV306LGW DV316LES,DV316LGS
C0044		BUTTON-PUSH(P)	WF326LAW,ABS,WHT,FRON	1	SA	DV316LGW, DV316LEW DV3C6BEW, DV3C6BGW DV316BEW, DV316BGW DV306LEW, DV306LGW
C0044		BUTTON-PUSH(P)	WF316BAC,ABS,SILKY CH	1	SA	DV316BEC, DV316BGC
C0044		BUTTON-PUSH(P)	WF326LAS,ABS,IMPERIAL	1	SA	DV316LES, DV316LGS
C0082		PANEL-CONTROL	DV736E4/XAA,ABS,WH	1	SNA	DV316LGW, DV316LEW DV3C6BEW, DV3C6BGW DV316BEW, DV316BGW DV306LEW, DV306LGW
C0082		PANEL-CONTROL	DV316BEC/XAA,ABS,W	1	SNA	DV316BEC, DV316BGC
C0082		PANEL-CONTROL	DV316LGS/XAA,ABS,W	1	SNA	DV316LES, DV316LGS
C0105		BUTTON-ENCODER	WF-G126,ABS,WHT,FRONT	1	SA	DV3C6BEW, DV3C6BGW DV316BEW, DV316BGW
C0105		BUTTON-ENCODER	WF326LAW,ABS,WHT,FRON	1	SA	DV316LGW, DV316LEW DV306LEW, DV306LGW
C0105		BUTTON-ENCODER	WF316BAC,ABS,SILKY CH	1	SA	DV316BEC, DV316BGC
C0105		BUTTON-ENCODER	WF326LAS,ABS,IMPERIAL	1	SA	DV316LES, DV316LGS
C0108		LEVER-POWER	GW-PJT,POM,NTR,ENTRY	1	SA	
F0028		ASSY-FRAME	MDG9700AWW,MAYTAG/PREMIUM/ GAS	1	SA	DV316LGW, DV3C6BGW DV316BGW, DV306LGW
F0028		ASSY-FRAME	MDE7800AYW,MAYTAG/PREMIUM/ WHT	1	SA	DV316LEW, DV3C6BEW DV316BEW, DV306LEW
F0028		ASSY-FRAME	DV316BGC/XAA,FRONTIER/GAS/BBY	1	SA	DV316BGC
F0028		ASSY-FRAME	DV316BEC/XAA,FRONTIER/GAS/BBY	1	SA	DV316BEC
F0028		ASSY-FRAME	DV316LGS/XAA,FRONTIER/GAS	1	SA	DV316LGS
F0028		ASSY-FRAME	DV316LES/XAA,FRONTIER/GAS	1	SNA	DV316LES
F0065		ASSY-FRAME PLATE(U)	DV316LGW/XAA,FRONTIE	1	SNA	
F0229		GUIDE-EXHAUST	WINGS-DRYER,SECC(EGI),T0.8	1	SA	
M0066		DIE-RACK DRY	WINGS-DRYER,TB-54,NTR,P	1	SA	
N0006		HOLDER-WIRE	DAWH-2NC,NYLON66,NTR	13	SA	
P0001		ASSY-COVER TOP	FRONTIER,DRYER	1	SNA	DV316LGW, DV316LEW DV3C6BEW, DV3C6BGW DV316BEW, DV316BGW DV306LEW, DV306LGW
P0001		ASSY-COVER TOP	FRONTIER,DRY_SILKY-CHAMPA	1	SNA	DV316BEC, DV316BGC
P0001		ASSY-COVER TOP	FRONTIER,DRY_IMPERIAL-SIL	1	SNA	DV316LES, DV316LGS
P0170		ASSY-COVER POWER	MDE9700AYW	1	SA	
U0363		CABLE CLAMP	DAWH-18NB,ID15,NYLON66,NTR	1	SA	
W0002		ASSY POWER CORD	DV4006,EP3(16A)DRYER	1	SA	DV316LGW, DV306LGW DV316LGS
W0004		ASSY-M.WIRE HARNESS	MDG9700,LAMP L1	1	SA	DV316LGW,DV316BGC DV316BGW, DV316LGS
W0004		ASSY-M.WIRE HARNESS	MDE9700,LAMP/THERMAL	1	SA	DV316LEW, DV316BEC DV316BEW, DV316LES
W0004		ASSY-M.WIRE HARNESS	MDG6700,ENTRY L1 N0	1	SA	DV3C6BGW, DV306LGW
W0004		ASSY-M.WIRE HARNESS	MDE6700,NO LAMP	1	SA	DV3C6BEW, DV306LEW
W0037		ASSY-FLAT WIRE HARNESS	GR-PJT,FLAT WIRE	1	SA	
Y0161		ASSY PCB PARTS(M)	MFS-FTDT-00	1	SA	
Y0162		ASSY PCB PARTS(S)	MFS-F12DL-S0 FRONTIER	1	SA	DV316LGW, DV316LEW DV316LES, DV316LGS
Y0162		ASSY PCB PARTS(S)	MFS-F12DB-S0 FRONTIER	1	SA	DV316BEC, DV316BGC DV316BEW, DV316BGW
Y0162		ASSY PCB PARTS(S)	MFS-F13DL-S0 FRONTIER	1	SA	DV306LEW, DV306LGW
Y0162		ASSY PCB PARTS(S)	MFS-F13DB-S0 FRONTIER	1	SA	DV3C6BEW, DV3C6BGW
Z0006		SCREW-TAPPING	TH,+,1,M4,L12,ZPC(YEL),S	12	SNA	
Z0007		SCREW-TAPPING	TH,+,2S,M4,L8,ZPC(YEL),S	20	SC	
Z0019		SCREW-TAPPING	TH,+,WT,TC,M4,L10,ZPC(YEL)	1	SA	
Z0050		SCREW-TAPPING	TH,+,2S,M4,L12,ZPC(YEL),	25	SA	
C0002		ASSY-S.PANEL CONTROL	FRONTIER(DRYER),DV3	1	SA	DV3C6BEW
C0002		ASSY-S.PANEL CONTROL	FRONTIER(DRYER),DV3	1	SA	DV316LGW
C0002		ASSY-S.PANEL CONTROL	FRONTIER(DRYER),DV3	1	SA	DV316BEC
C0002		ASSY-S.PANEL CONTROL	FRONTIER(DRYER),DV3	1	SA	DV316LES

7-2. EXPLODED VIEW OF FRONT



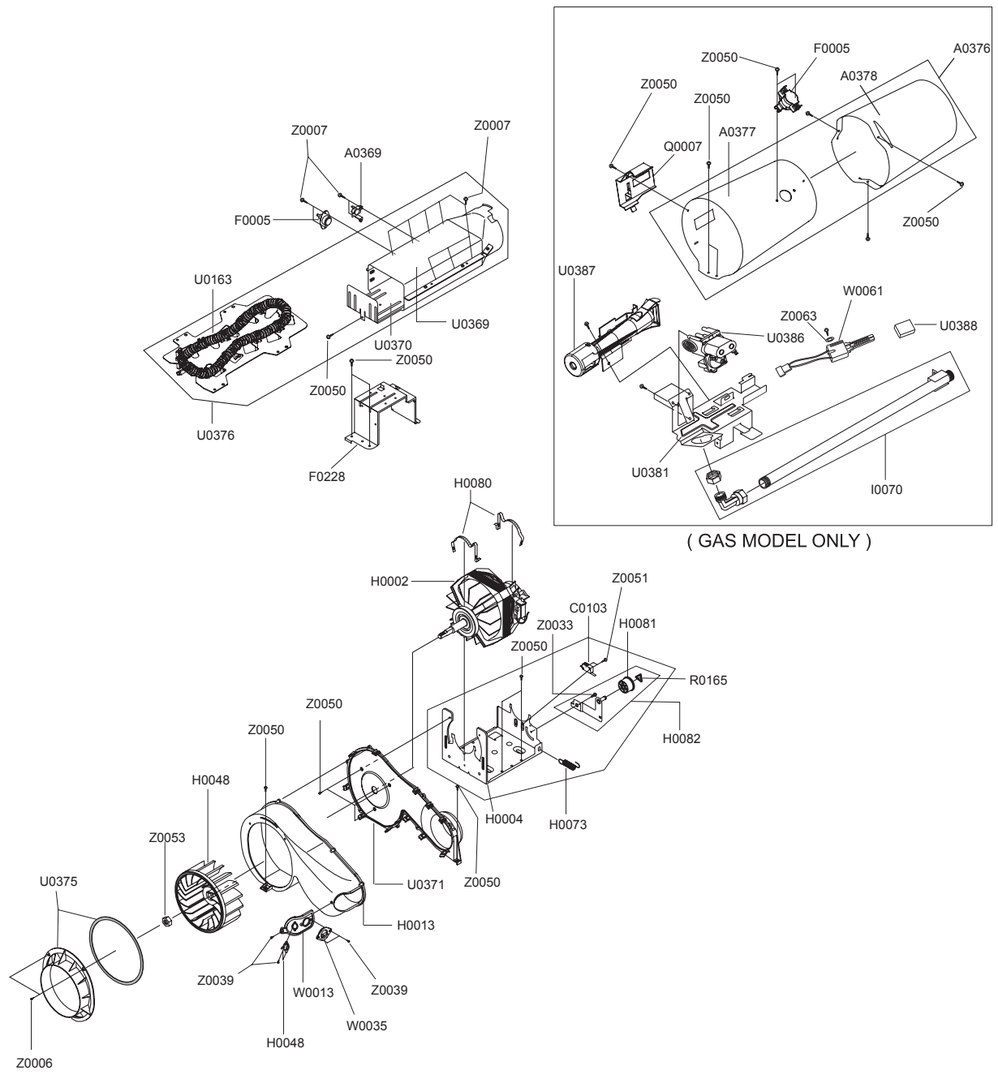
Location No.	Code No.	DESCRIPTION	SPECIFICATION	QTY	SA/SNA	REMARK
D0010		ASSY-COVER DOOR	WF316BAW,SPRAY(IMPERIAL-	1	SA	DV316BEC, DV316BGC DV316BEW, DV316BGW
D0010		ASSY-COVER DOOR	WF-G106AW,FRONTIER	1	SA	DV3C6BEW, DV3C6BGW DV306LEW, DV306LGW
D0010		ASSY-COVER DOOR	WF326LAW,FRONTIER	1	SA	DV316LGW, DV316LEW DV316LES, DV316LGS
D0048		BRACKET-HINGE	WINGS-DRYER,SECC(EGI),T1.6	2	SA	
D0061		DOOR-GLASS	WINGS-DRYER,GLASS,T5,TR	1	SA	
D0066		DOOR-SAFETY	WF326LAW,PET,T2.8,NTR,	1	SA	
D0072		GUIDE-HINGE	HAUZEN(DOM),POM,WHT,HI	4	SA	
D0081		HOLDER-GLASS	DV736E4/XAA,TB-53,GRY	1	SA	
D0094		SEAL-DOOR	WINGS-DRYER,SILICON,GRY,	1	SA	
D0105		SUPPORT-HINGE	FRONTIER-PJT,STS430,T1.2	1	SNA	DV3C6BEW, DV3C6BGW DV316BEC, DV316BGC DV316BEW, DV316BGW DV306LEW, DV306LGW
D0105		SUPPORT-HINGE	FRONTIER-PJT,STS304,T1.2	1	SNA	DV316LGW, DV316LEW DV316LES, DV316LGS
D0106		COVER-DOOR	WF306LAW,ABS,T2.8,NEA	1	SA	DV3C6BEW, DV3C6BGW DV306LEW, DV306LGW
D0106		COVER-DOOR	WF316BAW,ABS,T2.8,IMP	1	SA	DV316BEC, DV316BGC DV316BEW, DV316BGW
D0107		LEVER-DOOR	WINGS-DRYER,POM,NTR	1	SA	
D0108		HINGE-DOOR	WF326LAW,ZNDC,T3.8,FR	1	SA	
D0113		ASSY-HOLDER LEVER	MDE7800AYW,DRYER/DOOR	1	SNA	
F0042		DOOR-S/W	GD-PJT,PA,T13.6,H38.5,W44.3,	1	SA	
F0064		ASSY-FRAME FRONT	DV736E4/XAA,FRONTIER-DR	1	SA	DV316LGW, DV316LEW DV3C6BEW, DV3C6BGW DV316BEW, DV316BGW DV306LEW, DV306LGW
F0064		ASSY-FRAME FRONT	DV316BEC/XAA,FRONTIER-D	1	SA	DV316BEC, DV316BGC
F0064		ASSY-FRAME FRONT	DV316LGS/XAA,FRONTIER-D	1	SA	DV316LES, DV316LGS
F0064		ASSY-FRAME FRONT	DV316LGS/XAA,FRONTIER-D	1	SA	DV316LES, DV316LGS
Z0008		SCREW-TAPPING	TH,+,2S,M4,L14,PASS,STS4	18	SA	
Z0027		SCREW-MACHINE	TH,+,M5,L12,PASS,STS430,	4	SA	

7-3. EXPLODED VIEW OF DRUM



Location No.	Code No.	DESCRIPTION	SPECIFICATION	QTY	SA/SNA	REMARK
A0125		STAND OFF	ID11.5,L2,NTR,NYLON66,DAWH-3NA	3	SA	
A0371		ASSY-S.DRUM FRONT	DV736E4/XAA,FRONTIER-D	1	SA	DV316LGW, DV316LEW DV316BEC, DV316BGC DV316BEW, DV316BGW DV316LES, DV316LGS
A0371		ASSY-S.DRUM FRONT	DV306LEW/XAA,FRONTIER-	1	SA	DV3C6BEW, DV3C6BGW DV306LEW, DV306LGW
F0041		COVER-LAMP	WINGS-DRYER,PC(LEXAN#141R),	1	SA	DV316LGW, DV316LEW DV316BEC, DV316BGC DV316BEW, DV316BGW DV316LES, DV316LGS
F0118		SOCKET-LAMP	MDE7800,E12,125V,0.6A,12	1	SA	DV316LGW, DV316LEW DV316BEC, DV316BGC DV316BEW, DV316BGW DV316LES, DV316LGS
F0227		GUIDE-LAMP	WINGS-DRYER,TB-54,BLK,I	1	SA	DV316LGW, DV316LEW DV316BEC, DV316BGC DV316BEW, DV316BGW DV316LES, DV316LGS
H0074		WASHER	T2,ID12,OD24,YEL	8	SA	
H0081		ASSY-ROLLER	MDE7800AYW,DRYER/EPDM	4	SA	
H0081		ASSY-ROLLER	MDE9700AYW,DRYER/MOTOR/IDLER	1	SA	
I0056		COVER-FILTER(F)	WINGS-DRYER,TI-42,	1	SA	
I0057		COVER-FILTER(B)	DV736E4/XAA,TI-42,	1	SA	
I0064		CASE-FILTER	DV736E4/XAA(FRONTIER),FRPP(G	1	SA	
Q0002		ASSY-GUIDE SENSOR	MDE9700AYW,YOUCH SENSO	1	SA	
Q0003		PLATE-SENSOR	WINGS-DRYER,STS-430,T0.8,	2	SA	
Q0004		GUIDE-SENSOR	WINGS-DRYER,TI-42,GRY	1	SA	
R0005		DRUM-BACK	WINGS-DRYER,STS430M,HAIR	1	SA	DV316LGW, DV316LEW DV316BEC, DV316BGC DV316BEW, DV316BGW DV306LEW, DV306LGW DV316LES, DV316LGS
R0005		DRUM-BACK	WINGS-DRYER(ENTRY),SBHG1-A,T0.	1	SA	DV3C6BEW, DV3C6BGW
R0006		DRUM-LIFTER	DV736E4/XAA,TI-42,GRY,	3	SA	
R0163		LAMP-INCANDESCENT	120V,83mA,10W,NTR,	1	SA	DV316LGW, DV316LEW DV316BEC, DV316BGC DV316BEW, DV316BGW DV316LES, DV316LGS
R0170		BRACKET-DRUM BACK	WINGS-DRYER,SECC(EGI),	2	SA	
R0170		BRACKET-DRUM BACK	WINGS-DRYER,SECC(EGI),	1	SA	
R0172		ASSY-DRUM WRAPPER	DV736E4/XAA,FRONTIER(G	1	SA	DV316LGW, DV316LEW DV316BEC, DV316BGC DV316BEW, DV316BGW DV306LEW, DV306LGW DV316LES, DV316LGS
R0172		ASSY-DRUM WRAPPER	DV3C6,Powder Coating	1	SA	DV3C6BEW, DV3C6BGW
U0095		BELT-TIMING GEAR	0724,RUBBER(GOODYEAR),T	1	SA	
U0372		ASSY-DUCT OUTLET	MDE7800AYW,SRYER/ELECTR	1	SA	
U0374		ASSY-DUCT AIR	MDG9700AWW,GAS DRYER/WING	1	SA	DV316LGW, DV3C6BGW DV316BGC, DV316BGW DV306LGW, DV316LGS
U0374		ASSY-DUCT AIR	MDE7800AYW,DRYER/ELECTRIC	1	SA	DV316LEW, DV3C6BEW DV316BEC, DV316BEW DV306LEWDV316LES
Z0004		NUT-HEX	MSWR10,M10	4	SA	
Z0041		SCREW-TAPPING	TH,+,1,M4,L16,PASS,STS43	12	SA	
Z0052		SCREW-TAPPING	TH,+,2S,M4,L8,PASS,STS304,	3	SA	

7-4. EXPLODED VIEW OF DUCT, HEATER, MOTOR



(GAS MODEL ONLY)

Location No.	Code No.	DESCRIPTION	SPECIFICATION	QTY	SA/ SNA	REMARK
A0369		ASSY-BRACKET THERMOSTAT	MDE9700AYW,DRYER	1	SA	DV316LEW, DV3C6BEW DV316BEC, DV316BEW DV306LEW, DV316LES
A0376		ASSY-DUCT CONE	MDG9700AWW,GAS/ENTRY	1	SA	DV316LGW, DV3C6BGW DV316BGC, DV316BGW DV306LGW, DV316LGS
A0377		DUCT-CONE(F)	WINGS-DRYER,AL-COAT,T0.6,	1	SA	DV316LGW, DV3C6BGW DV316BGC, DV316BGW DV306LGW, DV316LGS
A0378		DUCT-CONE(B)	WINGS-DRYER,AL-COAT,T0.6,	1	SA	DV316LGW, DV3C6BGW DV316BGC, DV316BGW DV306LGW, DV316LGS
C0103		SWITCH-MICRO	125V,15A,180gf,2	1	SA	

Location No.	Code No.	DESCRIPTION	SPECIFICATION	QTY	SA/ SNA	REMARK
F0005		THERMOSTAT	B-2,250V,25A20~15040~15	1	SA	
F0005		THERMOSTAT	60T21,250V,15A/25A20~150,	1	SA	DV316LGW, DV3C6BGW DV316BGC, DV316BGW DV306LGW, DV316LGS
F0005		THERMOSTAT	60T11,250V,25A20~15030~	1	SA	DV316LEW, DV3C6BEW DV316BEC, DV316BEW DV306LEW, DV316LES
F0228		DIE-HEATER	WINGS-DRYER,SECC(EGI),NTR	1	SA	
H0002		MOTOR-DRYER	WINGS-PJT,120V 60Hz,	1	SA	
H0004		BRACKET-MOTOR	WINGS-DRYER,HGI,T2.0	1	SA	
H0013		COVER-DUCT FAN	WINGS-DRYER,TB-54	1	SA	
H0048		FAN	WINGS-DRYER,FRPP(15%),MO	1	SA	
H0073		SPRING-TENSION	WINGS-DRYER,HSWR,	2	SA	
H0080		SPRING-PLATE	WINGS-DRYER,SK-5,	2	SA	
H0082		ASSY-BRACKET IDLER	MDE9800AYW,DRYER/IDLE	1	SA	
I0070		ASSY-PIPE	MDG4800AWW,GAS DRYER/ ELBOW ASS	1	SA	DV316LGW, DV3C6BGW DV316BGC, DV316BGW DV306LGW, DV316LGS
Q0007		SENSOR-RADIANT	10RS,GD-PJT,0~150,120,4.5	1	SA	DV316LGW, DV3C6BGW DV316BGC, DV316BGW DV306LGW, DV316LGS
R0165		HOLDER-SHAFT	WINGS-DRYER,NYLON#6,N	5	SA	
U0163		HEATER-DRY	GD-PJT,5300W,21A,240,10,D	1	SA	DV316LEW, DV3C6BEW DV316BEC, DV316BEW DV306LEW, DV316LES
U0369		DUCT-HEATER(U)	WINGS-DRYER,AL-COAT,T0.6,	1	SA	DV316LEW, DV3C6BEW DV316BEC, DV316BEW DV306LEW, DV316LES
U0370		DUCT-HEATER(L)	WINGS-DRYER,AL-COAT,T0.6,	1	SA	DV316LEW, DV3C6BEW DV316BEC, DV316BEW DV306LEW, DV316LES
U0371		GUIDE-DUCT FAN	WINGS-DRYER,TB-54,W	1	SA	
U0375		ASSY-DUCT CONNECTOR	MDE7800AYW,DRYER/ELE	1	SA	
U0376		ASSY-DUCT HEATER	MDE9700AYW,HEATER/ 5300W	1	SA	DV316LEW, DV3C6BEW DV316BEC, DV316BEW DV306LEW, DV316LES
U0381		BRACKET-BURNER	WINGS-DRYER,SECC(EGI),T1.	1	SA	DV316LGW, DV3C6BGW DV316BGC, DV316BGW DV306LGW, DV316LGS
U0386		VALVE-GAS	GD-PJT,3WAY,MAX 10BAR,NTR,12	1	SA	DV316LGW, DV3C6BGW DV316BGC, DV316BGW DV306LGW, DV316LGS
U0387		TUBE-BURNER	WINGS-DRYER,PRESS(GAS UNIT),	1	SA	DV316LGW, DV3C6BGW DV316BGC, DV316BGW DV306LGW, DV316LGS
U0388		ABSORBER-IGNITOR	MDE9700AYW,FELT,T2,W10,	1	SA	DV316LGW, DV3C6BGW DV316BGC, DV316BGW DV306LGW, DV316LGS
W0013		BRACKET-THERMISTOR	WINGS-DRYER,TB-54	1	SA	
W0035		THERMISTOR	N3S1-K41-S1,10K,10KOHM 2540	1	SA	
W0061		HEATER-IGNITER	101D,MDG7800AW,CERAM IC,12	1	SA	DV316LGW, DV3C6BGW DV316BGC, DV316BGW DV306LGW, DV316LGS
Z0033		SCREW-SPECIAL	TH,+,M5,L11,ZPC(YEL),SWR	1	SA	
Z0039		SCREW-TAPPING	TH,+,1,M4,L10,ZPC(YEL),S	5	SC	
Z0051		SCREW-TAPPING	PH,+,2S,M3,L16,ZPC(YEL),	1	SA	
Z0053		NUT-INCH	LEFT TURN,3/8"-24,ZPC(YEL),MSW	1	SA	
Z0063		NUT-CIRCULAR	SPN-4,ID3.8,OD12,BLK,SK-5,H	1	SA	DV316LGW, DV3C6BGW DV316BGC, DV316BGW DV306LGW, DV316LGS

7-5. PARTS LIST (SA)

Location No.	Code No.	DESCRIPTION	SPECIFICATION	QTY	SA/SNA	REMARK
A0368		HOLDER-POWER	MDE9700AYW,PP,WHT,POW	1	SA	DV316LEW, DV3C6BEW DV316BEC, DV316BEW DV306LEW, DV316LES
C0043		BUTTON-PUSH(F)	WF316BAC,ABS,SILKY CH	1	SA	DV316BEC, DV316BGC
D0111		SPONGE-EPDM	MDE7800AYW,EPDM,T3,W15,L34	5	SA	
F0005		THERMOSTAT	B-2,250V,25A20~15040~15	1	SA	DV316LEW, DV3C6BEW DV316BEC, DV316BEW DV306LEW, DV316LES
F0089		COVER-POWER	WINGS-DRYER,SGCC(GI),T0.8,	1	SA	
F0103		FRAME-FRONT	DV316BEC/XAA,SECC(EGI),S	1	SA	DV316BEC, DV316BGC
H0032		ASSY-MOTOR	MDE9700AYW,DRYER/MOTOR	1	SA	
H0084		ROLLER-IDLER	WINGS-DRYER,POM,MOT	1	SA	
P0053		COVER-TOP	WF316BAC,SBHG1-A,T1.0,W684,L56	1	SA	DV316BEC, DV316BGC
R0015		ASSY-DRUM BACK	MDE9700AYW,STAINLESS	1	SA	DV316LEW, DV316BEC DV316BEW, DV306LEW DV316LES
W0001		ASSY-WIRE HARNESS	GR-PJT,SUB/TOUCH SENSO	1	SA	
Z0020		SCREW-TAPPING	WE,TH,+,M4,L12,ZPC(YEL)	24	SA	
Z0021		SCREW-SPECIAL	PH,TORX,M4,L10,PASS,STS,	1	SA	DV316LGW, DV3C6BGW DV316BGC, DV316BGW DV306LGW, DV316LGS
Z0028		SCREW-TAPPING	TH,+,2S,M4,L18,PASS,STS4	3	SA	
Z0036		SCREW-MACHINE	TH,+,M5,L16,PASS,STS430,FP	1	SA	
Z0048		SCREW-HEX	HEX,+,M5,L10,ZPC3(BLK),SWRCH	4	SA	
Z0062		SCREW-TAPPING	TH,+,2,M4,L20,ZPC(YEL),SWR	1	SA	DV316LGW, DV3C6BGW DV316BGC, DV316BGW DV306LGW, DV316LGS
		PCB-SUB	FRONTIER,FR-1,NL 1,T1.6,197x	1	SA	
		HOLDER-LEVER	WINGS-DRYER,POM,GRY	1	SA	
		GUIDE-ENCODER	DV316LGW,ABS,NTR,FRO	1	SA	DV316LGW, DV316LEW DV316BEC, DV316BGC DV316BEW, DV316BGW DV316LES, DV316LGS
		ASSY-BRACKET MOTOR	MDE9700AYW,DRYER/MOTO	1	SA	
		ASSY-DUCT	MDG9700AWW,GAS	1	SA	DV316LGW, DV3C6BGW DV316BGC, DV316BGW DV306LGW, DV316LGS
Z0015		SCREW-TAPPING	TH,+,1,M4,L14,ZPC(YEL)	8	SC	

8. ELECTRICAL PARTS LIST

-You can search for updated part codes through ITSELF web site.
URL : http://itself.sec.samsung.co.kr/

Loc. No.	Code No.	Description & Specification	QTY	SA/SNA	REMARK
H0001		ASSY-MOTOR DUCT;MDE7800AYW,240V/60HZ	1	SNA	
Z0050		SAREW-TAPPING;TH,+,-,2S,M4,L12,ZPC(YEL),	2	SA	
U0095		BELT-TIMING GEAR;0724,RUBBER(GOODYEAR),T	1	SA	
H0032		ASSY-MOTOR;MDE9700AYW,DRYER/MOTOR	1	SA	
H0002		MOTOR-DRYER;-,WINGS-PJT,-,120V 60Hz,-,-	1	SA	
		ASSY-BRACKET MOTOR;MDE9700AYW,DRYER/MOTO	1	SA	
H0004		BRACKET-MOTOR;WINGS-DRYER,HGI,T2.0,-,-	1	SA	
H0073		SPRING-TENSION;WINGS-DRYER,HSWR,-,-,-,	2	SA	
C0103		SWITCH-MICRO;125V,15A,180gf,2	1	SA	
Z0051		SAREW-TAPPING;PH,+,-,2S,M3,L16,ZPC(YEL),	1	SA	
Z0033		SAREW-SPECIAL;TH,+,-,M5,L11,ZPC(YEL),SWR	1	SA	
		HOLDER-BRACKET;MDE9700AYW,HSWR,T2.5,W30,	1	SNA	
H0082		ASSY-BRACKET IDLER;MDE9800AYW,DRYER/IDLE	1	SA	
R0165		HOLDER-SHAFT;WINGS-DRYER,NYLON#6,-,-,-,N	1	SA	
H0008		BRACKET-IDLER;WINGS-DRYER,SECC(EGI),T2.0	1	SNA	
H0083		SHAFT-IDLER;WINGS-DRYER,STS-410,-,-,-,-	1	SNA	
H0081		ASSY-ROLLER;MDE9700AYW,DRYER/MOTOR/IDLER	1	SA	
H0084		ROLLER-IDLER;WINGS-DRYER,POM,-,-,-,-,MOT	1	SA	
		BEARING-OILLESS;-,ID13,OD21.8,L22,FE+OIL	1	SNA	
		ASSY-COVER DUCT;MDE7800AYW,DRYER	1	SNA	
W0035		THERMISTOR;N3S1-K41-S1,10K,10KOHM 25,-40	1	SA	
F0005		THERMOSTAT;B-2,-,250V,25A,-20~150,-40~15	1	SA	
W0013		BRACKET-THERMISTOR;WINGS-DRYER,TB-54,-,-	1	SA	
U0371		GUIDE-DUCT FAN;WINGS-DRYER,TB-54,-,-,-,W	1	SA	
H0013		COVER-DUCT FAN;WINGS-DRYER,TB-54,-,-,-,-	1	SA	
Z0039		SAREW-TAPPING;TH,+,-,1,M4,L10,ZPC(YEL),S	5	SA	
Z0050		SAREW-TAPPING;TH,+,-,2S,M4,L12,ZPC(YEL),	3	SA	
Z0053		NUT-INCH;LEFT TURN,3/8"-24,ZPC(YEL),MSW	1	SA	
H0080		SPRING-PLATE;WINGS-DRYER,SK-5,-,-,-,-,-	2	SA	
H0048		FAN;WINGS-DRYER,FRPP(15%),-,-,-,MO	1	SA	
		BLADE-BLOWER;WINGS-DRYER,FRPP(15%),-,-,-	1	SNA	
H0040		BUSH-FAN;WINGS-DRYER,STS430,-,-,-,-,FAN	1	SNA	
Z0006		SAREW-TAPPING;TH,+,-,1,M4,L12,ZPC(YEL),S	2	SNA	
R0001		ASSY-DRUM;DV736E4/XAA,FRONTIER	1	SNA	
Z0006		SAREW-TAPPING;TH,+,-,1,M4,L12,ZPC(YEL),S	3	SNA	
Z0020		SAREW-TAPPING;WE,TH,+,M4,L12,ZPC(YEL)	11	SA	
I0064		CASE-FILTER;DV736E4/XAA(FRONTIER),FRPP(G	1	SA	
M0066		DIE-RACK DRY;WINGS-DRYER,TB-54,-,-,NTR,P	1	SA	
N0006		HOLDER-WIRE;DAWH-2NC,NYLON66,-,-,-,-,NTR	1	SA	
U0372		ASSY-DUCT OUTLET;MDE7800AYW,SRYER/ELECTR	1	SA	
D0111		SPONGE-EPDM;SWF-P12,EPDM,-,T3,W15,L530,B	1	SNA	
		DUCT-OUTLET(F);WINGS-DRYER,AL-COAT,T0.6,	1	SNA	
		DUCT-OUTLET(B);WINGS-DRYER,AL-COAT,T0.6,	1	SNA	
D0111		SPONGE-EPDM;MDE7800AYW,EPDM,-,T5,W20,L40	1	SNA	

Loc. No.	Code No.	Description & Specification	QTY	SA/SNA	REMARK
D0111		SPONGE-EPDM;MDE7800AYW,EPDM,-,T5,W20,L38	1	SNA	
R0015		ASSY-DRUM BACK;MDG7800AWW,GAS/PREMIUM/ST	1	SNA	
Z0007		SAREW-TAPPING;TH,+,-,2S,M4,L8,ZPC(YEL),S	9	SA	
Z0004		NUT-HEX;-,MSWR10,-,-,-,-,-,-,M10	2	SA	
H0074		WASHER;-,T2,-,ID12,OD24,-,YEL,-	4	SA	
R0170		BRACKET-DRUM BACK;WINGS-DRYER,SECC(EGI),	1	SA	
R0170		BRACKET-DRUM BACK;WINGS-DRYER,SECC(EGI),	2	SA	
H0081		ASSY-ROLLER;MDE7800AYW,DRYER/EPDM	2	SA	
		BEARING-OILLESS;-,ID13,OD21.8,L22,FE+OIL	1	SNA	
R0164		GUIDE-ROLLER;WINGS-DRYER,PP,-,-,-,BLU,-	1	SNA	
R0165		HOLDER-SHAFT;WINGS-DRYER,NYLON#6,-,-,-,N	2	SA	
R0168		ROLLER;WINGS-PROJECT,EPDM,-,-,BLK,-,I	1	SNA	
		SHAFT-ROLLER;WINGS-DRYER,STS-410,L56,OD1	1	SNA	
R0005		DRUM-BACK;WINGS-DRYER,STS430M,-,-,-,HAIR	1	SA	
U0374		ASSY-DUCT AIR;MDG4800AWW,GAS DRYER/WING	1	SA	
		DUCT-AIR(F);WINGS-DRYER,AL-COAT,T0.6,-,-	1	SNA	
		DUCT-AIR(B);WINGS-DRYER,AL-COAT,T0.6,-,-	1	SNA	
R0016		ASSY-DRUM FRONT;DV736E4/XAA,FRONTIER-DRY	1	SNA	
R0163		LAMP-INCANDESAENT;120V,83mA,10W,NTR,-,-,	1	SA	
Z0050		SAREW-TAPPING;TH,+,-,2S,M4,L12,ZPC(YEL),	1	SA	
Z0028		SAREW-TAPPING;TH,+,-,2S,M4,L18,PASS,STS4	3	SA	
Z0052		SAREW-TAPPING;TH,+,2S,M4,L8,PASS,STS304,	3	SA	
A0125		STAND OFF;ID11.5,L2,NTR,NYLON66,DAWH-3NA	3	SA	
F0118		SOCKET-LAMP;-,MDE7800,E12,125V,0.6A,-,12	1	SA	
Z0004		NUT-HEX;-,MSWR10,-,-,-,-,-,-,M10	2	SA	
H0074		WASHER;-,T2,-,ID12,OD24,-,YEL,-	4	SA	
F0227		GUIDE-LAMP;WINGS-DRYER,TB-54,-,-,-,BLK,I	1	SA	
F0041		COVER-LAMP;WINGS-DRYER,PC(LEXAN#141R),-,	1	SA	
I0056		COVER-FILTER(F);WINGS-DRYER,TI-42,-,-,-,	1	SA	
I0057		COVER-FILTER(B);DV736E4/XAA,TI-42,-,-,-,	1	SA	
H0081		ASSY-ROLLER;MDE7800AYW,DRYER/EPDM	2	SA	
		BEARING-OILLESS;-,ID13,OD21.8,L22,FE+OIL	1	SNA	
R0164		GUIDE-ROLLER;WINGS-DRYER,PP,-,-,-,BLU,-	1	SNA	
R0165		HOLDER-SHAFT;WINGS-DRYER,NYLON#6,-,-,-,N	2	SA	
R0168		ROLLER;WINGS-PROJECT,EPDM,-,-,BLK,-,I	1	SNA	
		SHAFT-ROLLER;WINGS-DRYER,STS-410,L56,OD1	1	SNA	
Q0001		ASSY-GUIDE SENSOR(M);MDE9700AYW,TOUCH SE	1	SNA	
W0001		ASSY-WIRE HARNESS;GR-PJT,SUB/TOUCH SENSO	1	SA	
Q0002		ASSY-GUIDE SENSOR;MDE9700AYW,YOUCH SENSO	1	SA	
Q0003		PLATE-SENSOR;WINGS-DRYER,STS-430,T0.8,-,	2	SA	
Q0004		GUIDE-SENSOR;WINGS-DRYER,TI-42,-,-,-,GRY	1	SA	
A0371		ASSY-S.DRUM FRONT;DV736E4/XAA,FRONTIER-D	1	SA	

Loc. No.	Code No.	Description & Specification	QTY	SA/SNA	REMARK
F0117		RIVET-RH;K1661-0512,AL(A5052),OD3.9,L11	4	SNA	
		BRACKET-DRUM FRONT;WINGS-DRYER,SECC(EGI)	4	SNA	
R0002		DRUM-FRONT;DV736E4/XAA,SECC(EGI),T1.0,-,	1	SNA	
R0172		ASSY-DRUM WRAPPER;DV736E4/XAA,FRONTIER(G	1	SA	
Z0041		SAREW-TAPPING;TH,+,-,1,M4,L16,PASS,STS43	12	SA	
		CHEMICALS-BOND;MDE7800AYW,-,-,-,ASSY-FEL	25	SNA	
A0356		SHEET-DAMPING;MDE9700AYW,BUTYL,T1.5,W100	6	SNA	
R0003		DRUM-WRAPPER;WINGS-DRYER,STS-304,T0.6,-,	1	SNA	
R0006		DRUM-LIFTER;DV736E4/XAA,TI-42,-,-,-,GRY,	3	SA	
F0024		ASSY-GASKET PAD;MDE7800AYW,DRYER/DRUM-WR	2	SNA	
A0001		ASSY-CASE;DV736E4/XAA,FRONTIER-DRYER	1	SNA	
		TAPE-OPP;W50,,YEL	1	SNA	
V0007		CARD-REGISTRATION;USA,XAA,ENGLISH,MOJOJI	1	SNA	
		BAG PE;HDPE,T0.015,W230,L360,TRP,8,2-	1	SNA	
		BAND-PP;-,PP,T0.8,W17.5,-,WHT,-	15.2	SNA	
		LABEL-PACKING;W/M,-,ART,-,W90,L175,-,WHT	1	SNA	
V0004		LABEL-WARNING;MAYTAG,-,ART+LAMI,-,W170,L	1	SNA	
A0244		LABEL-CAUTION;MAYTAG,-,ART+LAMI,-,W95,L4	1	SNA	
A0244		LABEL-CAUTION;MAYTAG,-,YUPO,-,W90,L37.0,	1	SNA	
V0002		LABEL RATING;MAYTAG,-,YUPOJI,-,W136,L37,	1	SNA	
		LABEL-POWER CORD;WF326,SEA,ART+LAMI,-,W1	1	SNA	
V0002		LABEL RATING;DV316,SEC,YUPOJI,-,W106,L25	1	SNA	
A0243		MANUAL-BOOK;DV316,SEA,ENGLISH,U.S,100MOJ	1	SNA	
		LABEL-CLEARANCE;DV316,-,ART+LAMI,-,W140,	1	SNA	
		LABEL-DIAGRAM SAHEMATIC;DV316,-,YUPO,-,-	1	SNA	
V0004		LABEL-WARNING;DV316,SEA,ART+LAMI,-,-,-,-	1	SNA	
V0004		LABEL-WARNING;DV316,SEA,ART+LAMI,-,-,-,-	1	SNA	
A0244		LABEL-CAUTION;DV316,SEA,ART+LAMI,-,-,-,-	1	SNA	
V0004		LABEL-WARNING;DV316,SEA,ART+LAMI,-,-,-,-	1	SNA	
		LABEL-BAR CODE;MOJO,W32,L125.5,-,-	1	SNA	
		SHEET-PE;GW10-PJT,PE-FOAM,T0.5,L1050,W9	1	SNA	
D0053		CUSHION-DOOR;MDE9700AYW,PS-FOAM,T8,W40,L	1	SNA	
A0015		PACKING CASE-DESIGN;DV316LGW,SW3,-,-,W74	1	SNA	
X0007		CUSHION-BOTTOM;DV736E4/XAA,PS-FOAM,-,-,-	1	SNA	
A0197		CUSHION-TOP;WF326LAW,PS-FOAM,-,-,-,-,-,N	1	SNA	
		TAPE-SAOTCH PAR;FILAMENT-TAPE,-,W50,-,-	1.4	SNA	
W0002		ASSY POWER CORD;DV4006,EP3(16A)DRYER	1	SA	
C0027		ASSY-CONTROL;DV736E4/XAA,FRONTIER-DRYER	1	SNA	
Z0050		SAREW-TAPPING;TH,+,-,2S,M4,L12,ZPC(YEL),	7	SA	
Z0020		SAREW-TAPPING;WE,TH,+,M4,L12,ZPC(YEL)	5	SA	
Z0048		SAREW-HEX;HEX,+,-,M5,L10,ZPC3(BLK),SWRCH	2	SA	
F0125		FRAME-PLATE(U);DV736E4/XAA,SECC(EGI),-,-	1	SNA	
N0006		HOLDER-WIRE;DAWH-2NC,NYLON66,-,-,-,-,NTR	1	SA	
A0364		CLAMPER-WIRE SADDLE;-,NYLON#66(DAWS-6NB)	1	SA	

Loc. No.	Code No.	Description & Specification	QTY	SA/SNA	REMARK
W0037		ASSY-FLAT WIRE HARNESS;GR-PJT,FLAT WIRE	1	SA	
W0004		ASSY-M.WIRE HARNESS;GR-PJT,GAS USA	1	SA	
P0001		ASSY-COVER TOP;GW-PJT,-	1	SA	
P0053		COVER-TOP;GW-PJT,SECC(EGI),T1.0,W684,L56	1	SNA	
W0059		SPONGE-HARNESS;KS-PJT,PU-FOAM,-,T3,W100,	1	SNA	
F0037		ASSY-FRONT;DV736E4/XAA,FRONTIER-DRYER	1	SNA	
Z0027		SAREW-MACHINE;TH,+,-,M5,L12,PASS,STS430,	2	SA	
Z0008		SAREW-TAPPING;TH,+,-,2S,M4,L14,PASS,STS4	2	SA	
Z0020		SAREW-TAPPING;WE,TH,+,M4,L12,ZPC(YEL)	3	SA	
F0064		ASSY-FRAME FRONT;DV736E4/XAA,FRONTIER-DR	1	SNA	
Z0027		SAREW-MACHINE;TH,+,-,M5,L12,PASS,STS430,	2	SA	
Z0008		SAREW-TAPPING;TH,+,-,2S,M4,L14,PASS,STS4	2	SA	
D0048		BRACKET-HINGE;WINGS-DRYER,SECC(EGI),T1.6	2	SA	
F0103		FRAME-FRONT;DV736E4/XAA,SECC(EGI),-,-,WH	1	SNA	
F0042		DOOR-S/W;GD-PJT,PA,T13.6,H38.5,W44.3,-,	1	SA	
D0111		SPONGE-EPDM;MDE7800AYW,EPDM,-,T3,W15,L34	4	SA	
D0113		ASSY-HOLDER LEVER;MDE7800AYW,DRYER/DOOR	1	SA	
		HOLDER-LEVER;WINGS-DRYER,POM,-,-,-,GRY,-	1	SNA	
H0073		SPRING-TENSION;WINGS-DRYER,HSWR,CD1.2,ID	2	SNA	
D0109		GUIDE-LEVER;WINGS-DRYER(ENTRY),POM,-,-,-	2	SNA	
		COVER-HOLDER;WINGS-DRYER,POM,-,-,-,-,-,G	1	SNA	
D0001		ASSY-DOOR;DV316LGW,FRONTIER(DRYER)	1	SNA	
Z0006		SAREW-TAPPING;TH,+,-,1,M4,L12,ZPC(YEL),S	8	SNA	
Z0008		SAREW-TAPPING;TH,+,-,2S,M4,L14,PASS,STS4	15	SA	
D0072		GUIDE-HINGE;HAUZEN(DOM),POM,-,-,-,WHT,HI	4	SA	
D0081		HOLDER-GLASS;DV736E4/XAA,TB-53,-,-,-,GRY	1	SA	
D0108		HINGE-DOOR;WF326LAW,ZNDC,T3.8,-,-,-,-,FR	1	SA	
D0105		SUPPORT-HINGE;FRONTIER-PJT,STS430,T1.2,-	1	SNA	
D0094		SEAL-DOOR;WINGS-DRYER,SILICON,GRY,-,-,-,	1	SA	
D0061		DOOR-GLASS;WINGS-DRYER,GLASS,T5,-,-,-,TR	1	SA	
D0107		LEVER-DOOR;WINGS-DRYER,POM,-,-,-,-,NTR,-	1	SA	
D0010		ASSY-COVER DOOR;WF326LAW,FRONTIER	1	SA	
D0106		COVER-DOOR;WF316LAW,ABS,T2.8,-,-,-,-,CR-	1	SNA	
D0066		DOOR-SAFETY;WF326LAW,PET,T2.8,-,-,-,NTR,	1	SA	
		DECORATION-DOOR;WF326LAW,STS430,T0.6,-,-	1	SNA	
		TAPE-DOUBLE FACE;4930,EPDM,T0.6,W41,R213	10	SNA	
C0002		ASSY-PANEL CONTROL;DV736E4/XAA,GOOD MODE	1	SNA	
Z0006		SAREW-TAPPING;TH,+,-,1,M4,L12,ZPC(YEL),S	5	SNA	
C0105		BUTTON-ENCODER;WF326LAW,ABS,-,-,WHT,FRON	1	SA	
C0029		ASSY-KNOB ENCODER;FRONTIER,LOWES	1	SA	
C0075		KNOB-ENCODER(I);K4-PJT,ABS,-,-,-,-,WHT,-	1	SNA	

Loc. No.	Code No.	Description & Specification	QTY	SA/SNA	REMARK
C0104		KNOB-ENCODER;WF326LAW,ABS,-,-,-,-,WHT,-	1	SNA	
		ASSY-S.PANEL CONTROL;FRONTIER(DRYER),DV3	1	SA	
		GUIDE-ENCODER;DV326LGS,ABS,-,-,-,NTR,FRO	1	SNA	
C0044		BUTTON-PUSH(P);WF326LAW,ABS,-,-,WHT,FRON	1	SA	
C0043		BUTTON-PUSH(F);WF326LAW,ABS,-,-,WHT,FRON	1	SNA	
C0008		WINDOW-ENCODER;WF326LAW,SAN,-,-,-,-,TRAN	1	SNA	
		BUTTON-PUSH(AG);WF326AW,ABS,-,-,TRANSPAR	1	SNA	
C0082		PANEL-CONTROL;DV736E4/XAA,ABS,-,-,-,-,WH	1	SNA	
A0242		INLAY-PANEL;WF316LAW,PET,T0.188,-,-,WHT,	1	SNA	
		BUTTON-PUSH(C);WF326LAW,ABS,-,-,TRANS,FR	1	SNA	
C0106		MASAOT;WF326LAW,NICKEL,T0.5,W10.5,L65	1	SNA	
C0108		LEVER-POWER;GW-PJT,POM,-,-,-,-,NTR,ENTRY	1	SA	
Y0162		ASSY PCB PARTS(S);MFS-F12DL-S0 FRONTIER	1	SA	
		DIODE-SWITCHING;1N4148,75V,150mA,DO-35,T	8	SNA	
Y0063		LED;ROUND,Y-GRN,3mm,569nm	30	SNA	
Y0063		LED;ROUND,RED,3MM,630NM,-	1	SNA	
Y0051		IC-DARLINGTON DRIVER;KID65783AP,DIP,18P,	1	SNA	
		R-METAL OXIDE(S);300ohm,5%,1W,AA,TP,3.3x	11	SNA	
		C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	1	SNA	
Y0087		SWITCH-TACT;15V,20mA,130±40gf,6x6x5mm,S	11	SNA	
		HEADER-BOARD TO CABLE;BOX,12P,1R,2.5mm,S	1	SNA	
		HEADER-BOARD TO CABLE;BOX,13P,1R,2.5mm,S	1	SNA	
C0011		LED DISPLAY;CSV-KSW07EG,FRONTIER-PJT,-,7	1	SNA	
		SWITCH PRESSURE;V7_PJT,DC28V,10mA,24,-,J	1	SNA	
		PCB-SUB;FRONTIER,FR-1,NL 1,-,T1.6,197x	1	SA	
		GUIDE-PCB(S);WINGS-DRYER,HIPS,-,-,-,NTR,	1	SNA	
		GUIDE-LED(B);WF-G106AW,HIPS,-,-,-,NTR,FR	1	SNA	
		GUIDE-LED(C);WF-G106AW,HIPS,-,-,-,NTR,FR	1	SNA	
		CHEMICALS-FLUX SOLDER;KS-77S,-,-,-,-,KOK	2	SNA	
		CHEMICALS-ALCOHOL;ALL,MODEL,-,-,-,-,-,-	1	SNA	
		SOLDER-WIRE;S63S,D3.0,-,-,-,-,-,-,-	10	SNA	
		SOLDER-WIRE FLUX;RS60S,-,D1.2,60SN/40PB,	1	SNA	
Y0052		IC-DRIVE;KID65003AP,DIP,16P,STICK,TR-AR	2	SNA	
		WIRE-SO COPPER;,PI0.6,SN,T,52MM TAPING_W	53	SNA	
		ASSY-HOLDER PCB;DV316LGW/XAA,FRONTIER/PC	1	SNA	
A0367		HOLDER-PCB;WINGS-DRYER,SECC(EGI),T0.8,-,	1	SA	
Y0161		ASSY PCB PARTS(M);MFS-FTDT-00	1	SA	
		RESIN-PUR;CPU-55B/UEP 700FB,-,-,94V0	94.7	SNA	
		RESIN-PUR;UEP 700FA/CPU-55A,-,-,94V0	47.3	SNA	
		DIODE-SWITCHING;1N4148,75V,150mA,DO-35,T	4	SNA	
		DIODE-RECTIFIER;1N4007,1KV,1A,DO-41,TP	5	SNA	
		TR-SMALL SIGNAL;KSA928A-Y,PNP,1000mW,TO-	2	SNA	
E0002		TR-DIGITAL;KSR1005,NPN,300MW,4.7K/10K,TO	1	SNA	
		PHOTO-COUPLER;TR,20-300%,200mW,DIP-4,ST	2	SNA	

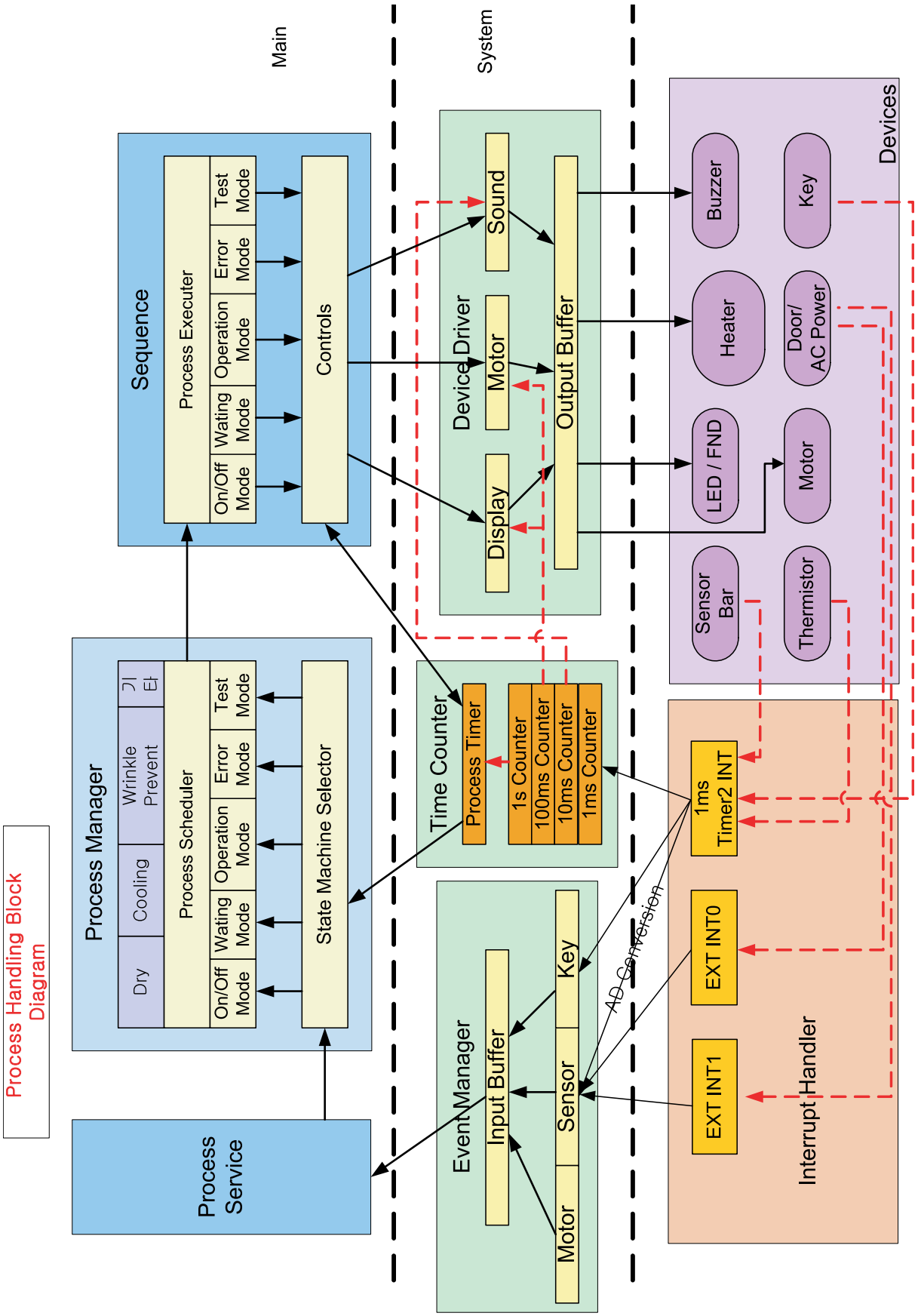
Loc. No.	Code No.	Description & Specification	QTY	SA/SNA	REMARK
Y0053		IC-EEPROM;524C20D21,256x8,DIP,8P,9.6x6.4	1	SNA	
		IC-VOLTAGE COMP.;7533,TO-92,3P,-,SINGLE,	1	SNA	
		VARISTOR;460VDC,7500A,22.5X10.1MM,BK	1	SNA	
		R-CARBON;220OHM,5%,1/4W,AA,TP,2.4X6.4MM	1	SNA	
		R-CARBON;1KOHM,5%,1/4W,AA,TP,2.4X6.4MM	1	SNA	
		R-CARBON;2.2KOHM,5%,1/4W,AA,TP,2.4X6.4M	1	SNA	
		R-CARBON(S);3.3KOHM,5%,1/2W,AA,TP,2.4X6.	1	SNA	
		R-CARBON;33Kohm,5%,1/4W,AA,TP,2.4x6.4mm	1	SNA	
		R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	3	SNA	
		R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	15	SNA	
		R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	23	SNA	
		R-CARBON;1MOHM,5%,1/4W,AA,TP,2.4X6.4MM	2	SNA	
		R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	1	SNA	
		R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	6	SNA	
		R-CARBON(S);270KOHM,5%,1/2W,AA,TP,2.4X6.	1	SNA	
		R-CARBON(S);39OHM,5%,1/2W,AA,TP,2.4X6.4M	1	SNA	
		R-CARBON(S);47ohm,5%,1/2W,AA,TP,2.4x6.4m	1	SNA	
		R-METAL OXIDE(S);51Kohm,5%,2W,AA,TP,4x12	4	SNA	
		R-METAL;2.2Mohm,5%,1/4W,AA,TP,2.4x6.4m	2	SNA	
		C-CERAMIC,DISA;10nF,+80-20%,250V,Y5V,-,1	1	SNA	
		C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	12	SNA	
		C-CERAMIC,MLC-AXIAL;4.7nF,10%,50V,X7R,TP	2	SNA	
		C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	10	SNA	
		C-FILM,LEAD-PPF;680NF,10%,275V,BK,31X11X	1	SNA	
		C-AL;10uF,20%,35V,GP,TP,4x7mm,5	1	SNA	
		C-AL;1uF,20%,50V,GP,TP,4x7,5	1	SNA	
		C-AL;2200uF,20%,25V,GP,TP,16x25,7.5	1	SNA	
		C-AL;47uF,20%,50V,GP,TP,6.3x11,2.5	1	SNA	
		C-AL;470uF,20%,25V,GP,TP,10x16,5	1	SNA	
Y0115		RESONATOR-CERAMIC;8MHz,0.5%,TP,10.0x5.0x	1	SNA	
Y0116		RELAY-POWER;12V DC,0.8W,30000MA,1FORMA,1	1	SNA	
Y0116		RELAY-POWER;12VDC,-,25000MA,1FORMA,20MS,	1	SNA	
		HEADER-BOARD TO CABLE;BOX,1P,1R,8MM,STRA	1	SNA	
		HEADER-BOARD TO CABLE;BOX,2P,1R,8MM,STRA	1	SNA	
		HEADER-BOARD TO CABLE;BOX,13P,1R,2.5mm,S	1	SNA	
		HEADER-BOARD TO CABLE;BOX,12P,1R,2.5mm,S	1	SNA	
		HEADER-BOARD TO CABLE;BOX,6P,1R,2.5mm,ST	1	SNA	
C0010		PLD-MICOM;TMP87PM41N/OTP,DIP,64 PIN	1	SNA	
		TRANS-POWER;-,MAH2400AW,9PIN,-,230VAC,23	1	SNA	
		PCB-MAIN;MFS-MDE27-00,FR-4,2,-,T1.6,195	1	SNA	
Y0003		GUIDE-PCB(M);WINGS-DRYER,HIPS,-,-,-,NTR,	1	SNA	
		CHEMICALS-FLUX SOLDER;KS-77S,-,-,-,-,KOK	2	SNA	
		CHEMICALS-ALCOHOL;ALL,MODEL,-,-,-,-,-,-	2	SNA	

Loc. No.	Code No.	Description & Specification	QTY	SA/SNA	REMARK
		SOLDER-WIRE;S63S,D3.0,-,-,-,-,-,-,-	20	SNA	
		SOLDER-WIRE FLUX;RS60S,-,D1.2,60SN/40PB,	1	SNA	
		IC-OP AMP;KA2904,DIP,-,-,-,-,-	1	SNA	
Y0057		IC-VOLT REGU;KA7805A,TO-220AB,1A,0/125C,	1	SNA	
Y0052		IC-DRIVE;KID65003AP,DIP,16P,STICK,TR-AR	1	SNA	
Y0040		FILTER-EMI BEAD;S,80/100MHZ-MIN65,T,BFS3	1	SNA	
Y0010		BUZZER;CBE2220BA,STICK,-,-,-,-,-,-,-	1	SNA	
Z0007		SAREW-TAPPING;TH,+,-,2S,M4,L8,ZPC(YEL),S	1	SA	
U0363		CABLE CLAMP;DAWH-18NB,ID15,-,NYLON66,NTR	1	SA	
A0364		CLAMPER-WIRE SADDLE;-,NYLON#66(DAWS-6NB)	1	SA	
F0001		ASSY-FRAME CASE;DV316LGW/XAA,FRONTIER-DR	1	SNA	
Z0050		SAREW-TAPPING;TH,+,-,2S,M4,L12,ZPC(YEL),	6	SA	
Z0007		SAREW-TAPPING;TH,+,-,2S,M4,L8,ZPC(YEL),S	10	SA	
Z0062		SAREW-TAPPING;TH,+,WT,C-TITE,M4,L10,ZPC(	1	SNA	
Z0019		SAREW-TAPPING;TH,+,WT,TC,M4,L10,ZPC(YEL)	1	SA	
Z0020		SAREW-TAPPING;WE,TH,+,M4,L12,ZPC(YEL)	2	SA	
		SAREW-SPECIAL;CH,+,-,M4,L10,ZPC(YEL),SWR	2		
Z0021		SAREW-SPECIAL;PH,TORX,-,M4,L10,PASS,STS,	1	SA	
P0077		HOLDER-D.WIRE;-,NYLON66,-,-,-,NTR,TT-PJT	1	SNA	
F0228		DIE-HEATER;WINGS-DRYER,SECC(EGI),-,-,NTR	1	SA	
F0229		GUIDE-EXHAUST;WINGS-DRYER,SECC(EGI),T0.8	1	SA	
N0006		HOLDER-WIRE;DAWH-2NC,NYLON66,-,-,-,-,NTR	11	SA	
A0364		CLAMPER-WIRE SADDLE;-,NYLON#66(DAWS-6NB)	1	SA	
A0282		COVER-BACK;WINGS-DRYER,SECC(EGI),T0.8,-,	1	SA	
D0111		SPONGE-EPDM;EPDM,BLK,SDW-801SW,T3XW15XL1	2	SNA	
		CAP-PLATE BOTTOM;MDE9700AYW,ABS,T2.0,W54	3	SNA	
U0382		ASSY-BRACKET BURNER;MDE9700AYW,DRYER/GAS	1	SNA	
W0061		HEATER-IGNITER;101D,MDG7800AW,CERAMIC,12	1	SA	
U0381		BRACKET-BURNER;WINGS-DRYER,SECC(EGI),T1.	1	SA	
U0387		TUBE-BURNER;WINGS-DRYER,PRESS(GAS UNIT),	1	SA	
U0386		VALVE-GAS;GD-PJT,-,3WAY,MAX 10BAR,NTR,12	1	SA	
U0388		ABSORBER-IGNITOR;MDE9700AYW,FELT,T2,W10,	1	SA	
I0070		ASSY-PIPE;MDG4800AWW,GAS DRYER/ELBOW ASS	1	SA	
		ELBOW;WINGS-DRYER,C3771BE,-,-,-,-,-,	1	SNA	
		BRACKET-PIPE;WINGS-DRYER,SECC(EGI),T2.0,	1	SNA	
		TUBE-PIPE;WINGS-DRYER,PRESS(GAS UNIT),-,	1	SNA	
Z0048		SAREW-HEX;HEX,+,-,M5,L10,ZPC3(BLK),SWRCH	1	SA	
		ASSY-SAREW;MDG9700AWW,NUT-CIRCULAR+SAREW	1	SNA	
Z0062		SAREW-TAPPING;TH,+,2,M4,L20,ZPC(YEL),SWR	1	SA	
Z0063		NUT-CIRCULAR;SPN-4,ID3.8,OD12,BLK,SK-5,H	1	SA	
Z0020		SAREW-TAPPING;WE,TH,+,M4,L12,ZPC(YEL)	3	SA	
B0070		ASSY-LEG;MDE9700AYW,DRYER/MAYTAG	4	SA	
B0074		LEG;WINGS-PROJECT,FRPP,-,-,-,-	1	SA	

Loc. No.	Code No.	Description & Specification	QTY	SA/SNA	REMARK
B0075		BRACKET-LEG;WINGS-DRYER,SECC(EGI),T1.6,-	1	SA	
F0028		ASSY-FRAME;MDG9700AWW,MAYTAG/PREMIUM/GAS	1	SA	
F0094		FRAME;WINGS-PROJECT,PCM,-,-,WHT,T0.8	1	SNA	
Y0159		PLATE-STEEL;MDE7800AYW,PCM(GI),T0.8,W961	1	SNA	
X0014		PLATE-BOTTOM;WINGS-DRYER,SECC(EGI),T1.0,	1	SNA	
A0113		SHEET-INSULATION;MDE9700AYW,FELT,T5,W200	1	SNA	
F0117		RIVET-RH;K1661-0512,AL(A5052),OD3.9,L11	4	SNA	
A0370		ASSY-DUCT EXHAUST;MDE7800AYW,DRYER	1	SA	
		BRACKET-EXHAUST;WINGS-DRYER,AL-COAT,T0.8	2	SNA	
		DUCT-EXHAUST;WINGS-DRYER,SGCC(GI),T0.4,-	1	SNA	
D0111		SPONGE-EPDM;MDE7800AYW,EPDM,-,T3,W15,L32	1	SNA	
F0117		RIVET-RH;K1661-00410,AL(A5052),D3.2,L10	2	SNA	
P0170		ASSY-COVER POWER;MDE9700AYW,-	1	SA	
F0089		COVER-POWER;WINGS-DRYER,SGCC(GI),T0.8,-,	1	SA	
A0356		SHEET-DAMPING;SEW-HR125,ASPHALT,T1.8,W50	1	SNA	
		ASSY-DUCT;MDG9700AWW,GAS	1	SA	
Z0050		SAREW-TAPPING;TH,+,-,2S,M4,L12,ZPC(YEL),	3	SA	
Q0007		SENSOR-RADIANT;10RS,GD-PJT,0~150,120,4.5	1	SA	
F0005		THERMOSTAT;60T21,-,250V,15A/25A,-20~150,	1	SA	
A0376		ASSY-DUCT CONE;MDG9700AWW,GAS/ENTRY	1	SA	
Z0050		SAREW-TAPPING;TH,+,-,2S,M4,L12,ZPC(YEL),	3	SA	
A0377		DUCT-CONE(F);WINGS-DRYER,AL-COAT,T0.6,-,	1	SA	
A0378		DUCT-CONE(B);WINGS-DRYER,AL-COAT,T0.6,-,	1	SA	

9. BLOCK DIAGRAM

9-1. BLOCK DIAGRAM

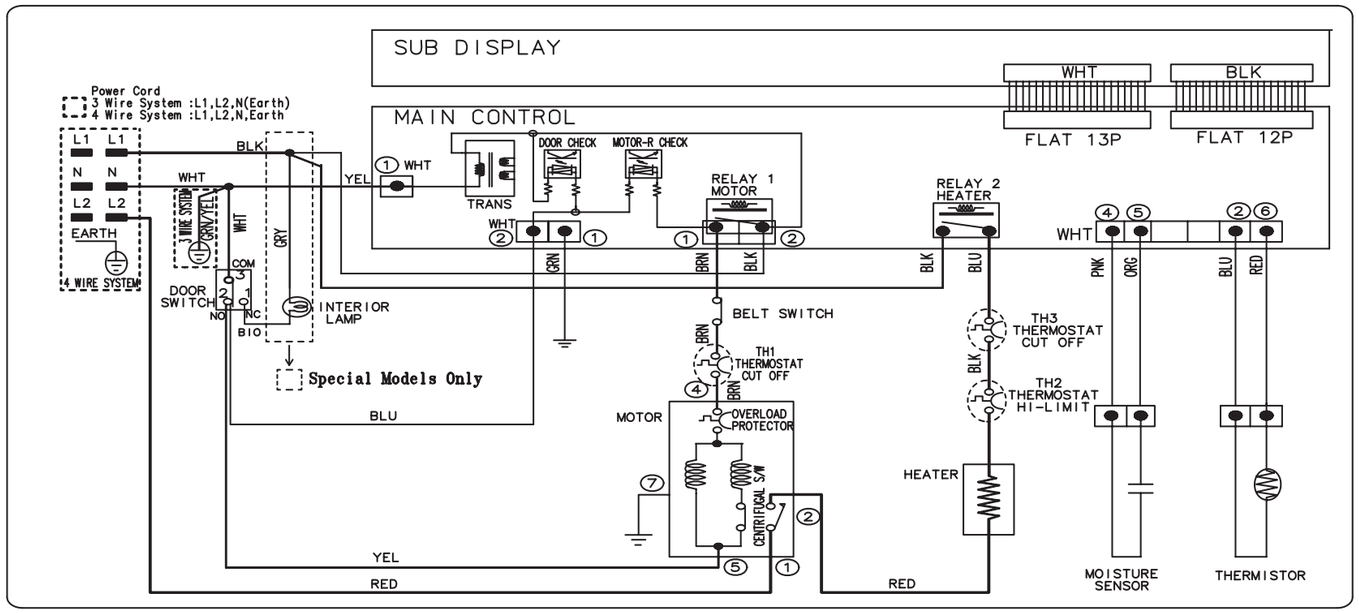


Memo

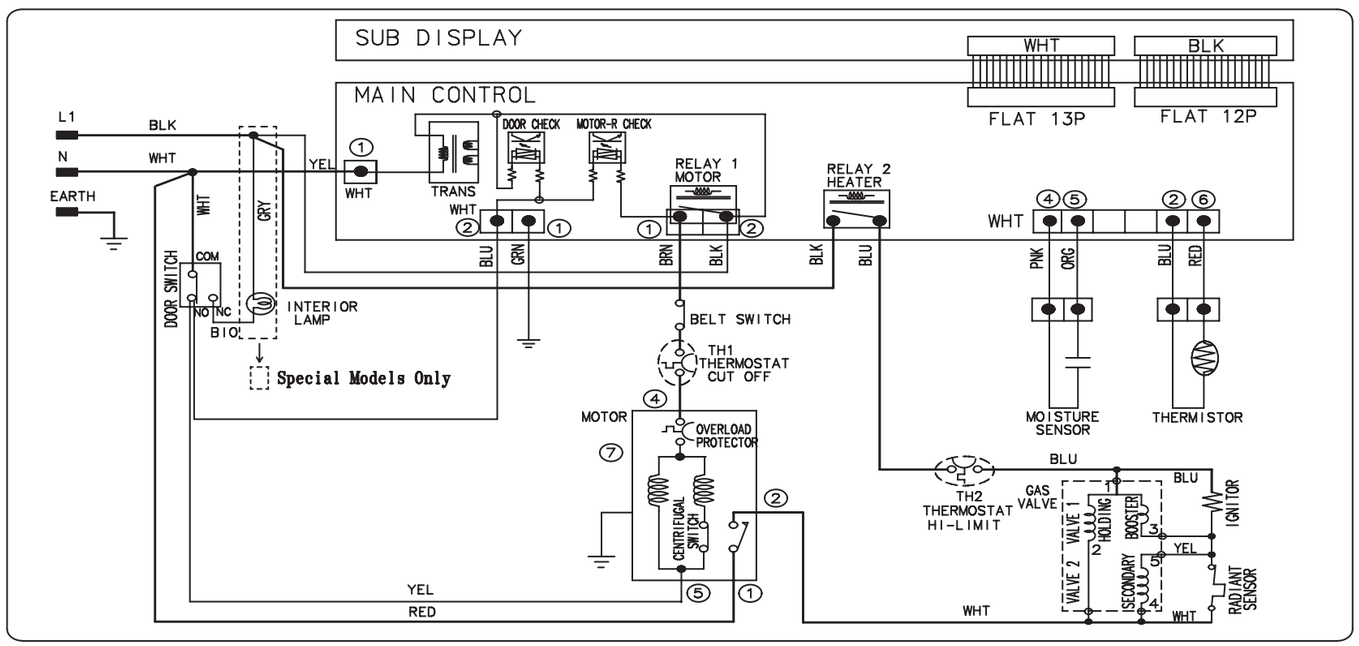
10. WIRING DIAGRAM

10-1. WIRING DIAGRAM

ELECTRIC DRYER WIRING DIAGRAM



GAS DRYER WIRING DIAGRAM



DC68-02319A

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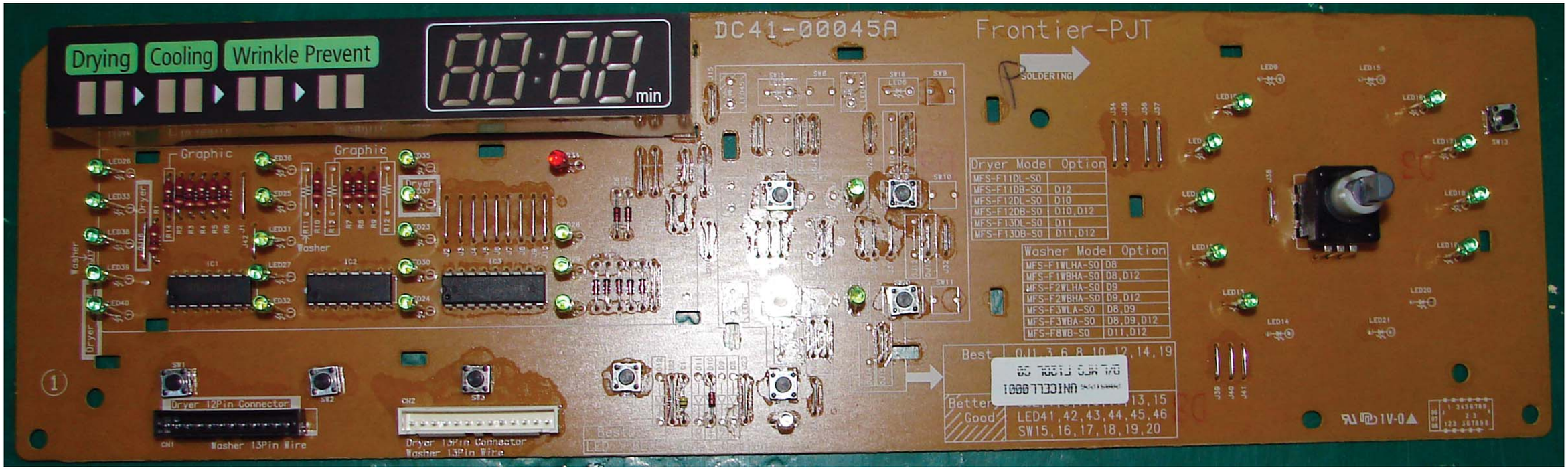
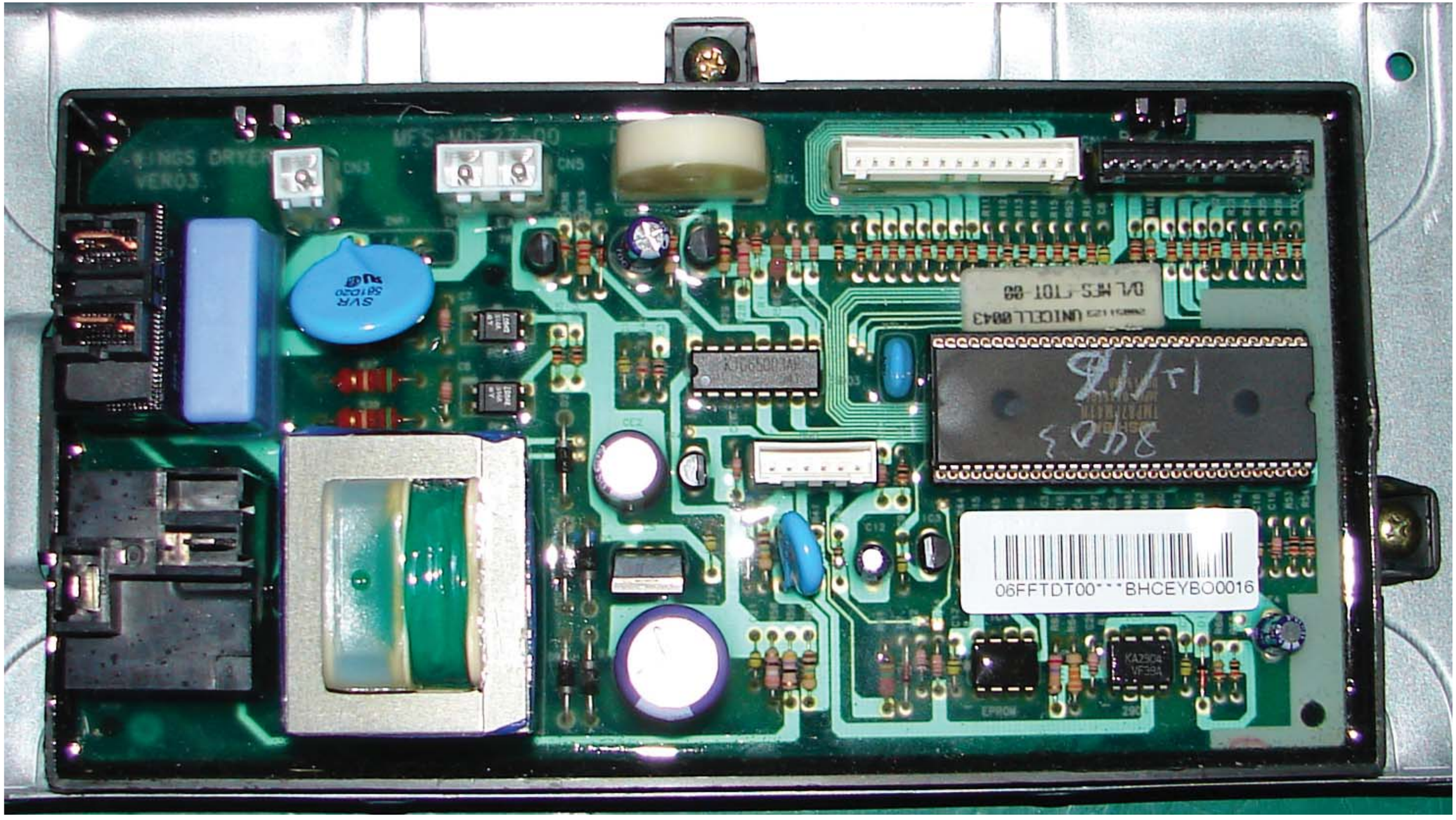
11. PCB DIAGRAM

11-1 MAIN PCB LAYOUT



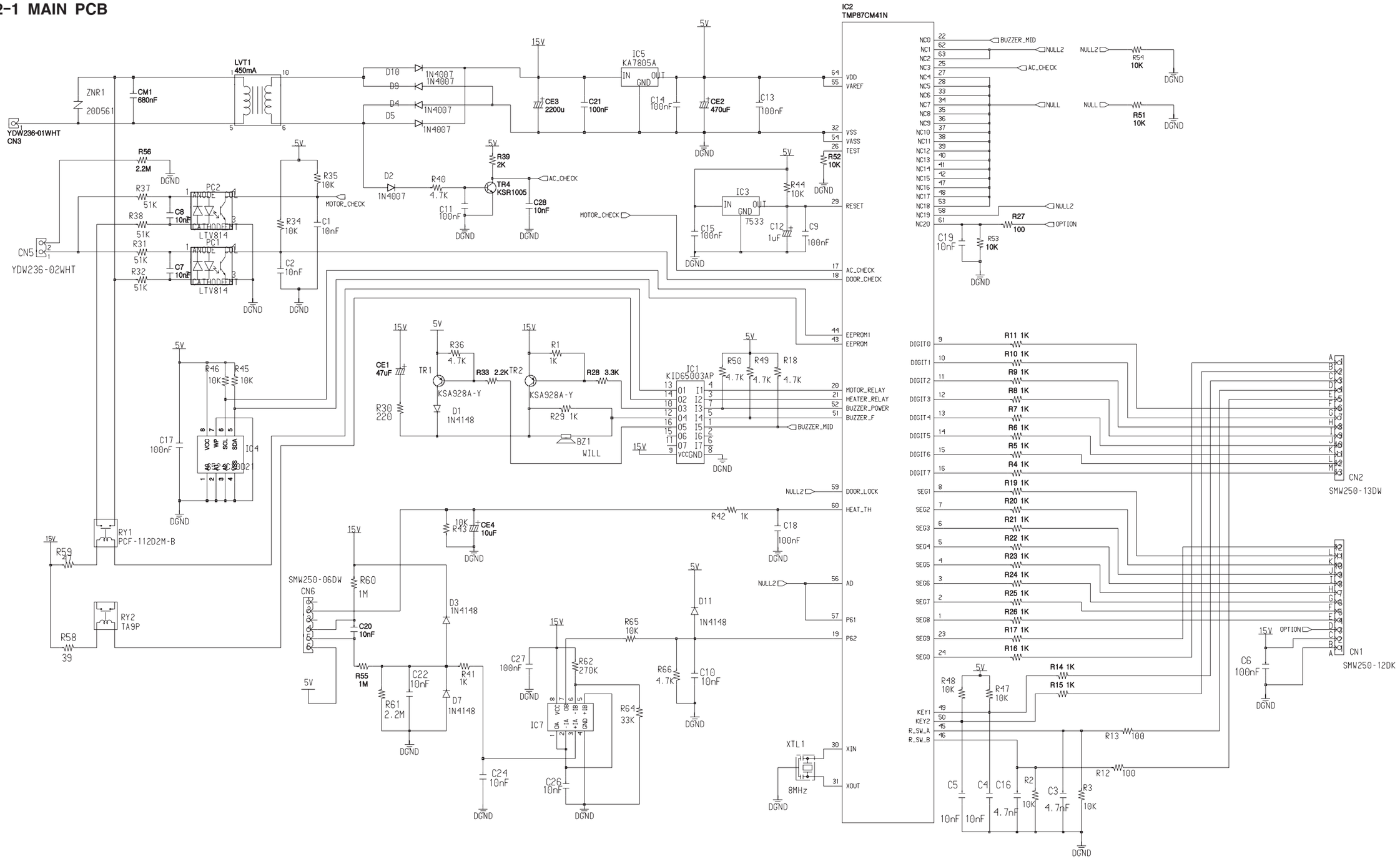
11-2 SUB PCB LAYOUT



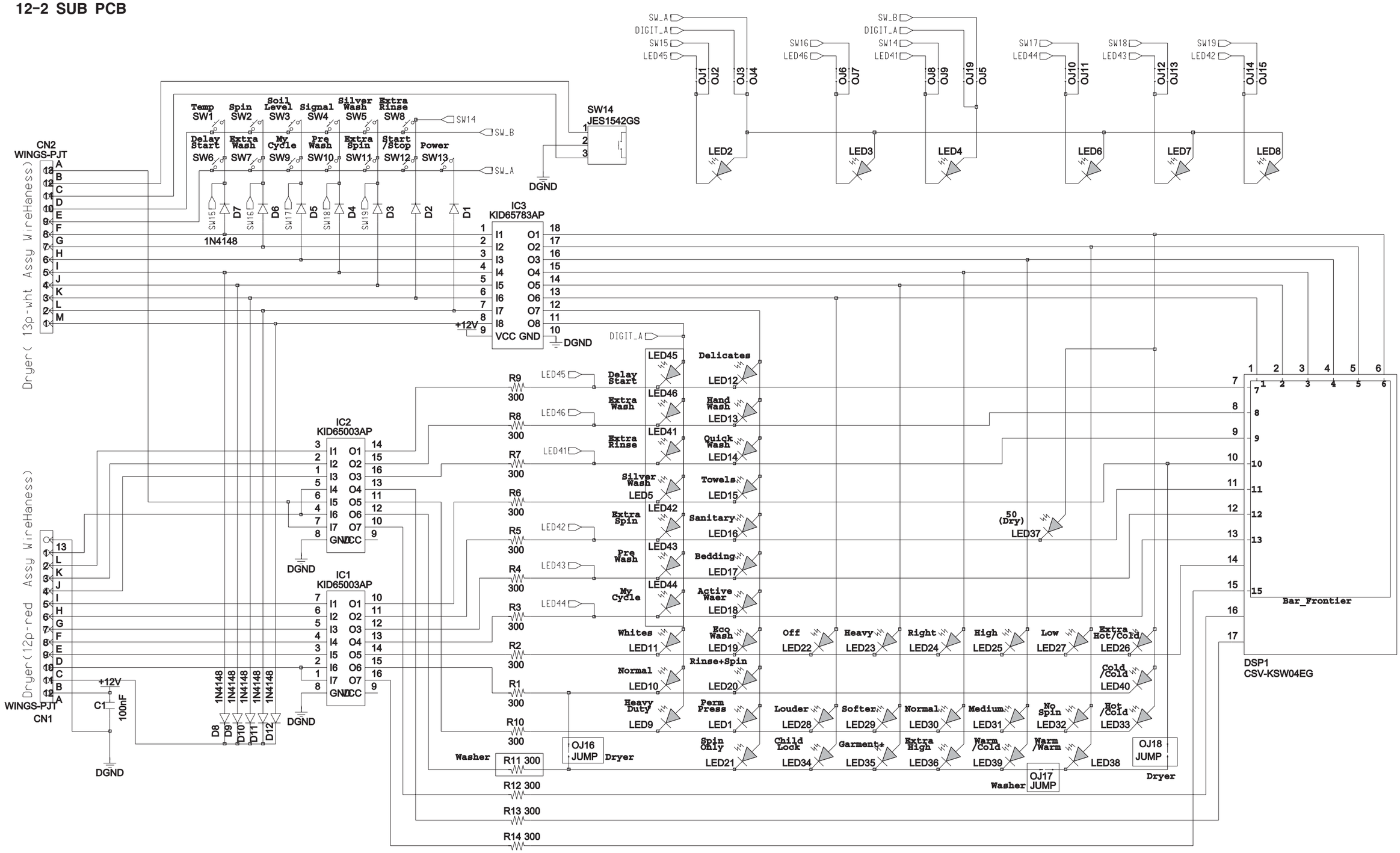
12. SCHEMATIC DIAGRAMS

* This Document can not be used without Samsung's authorization.

12-1 MAIN PCB

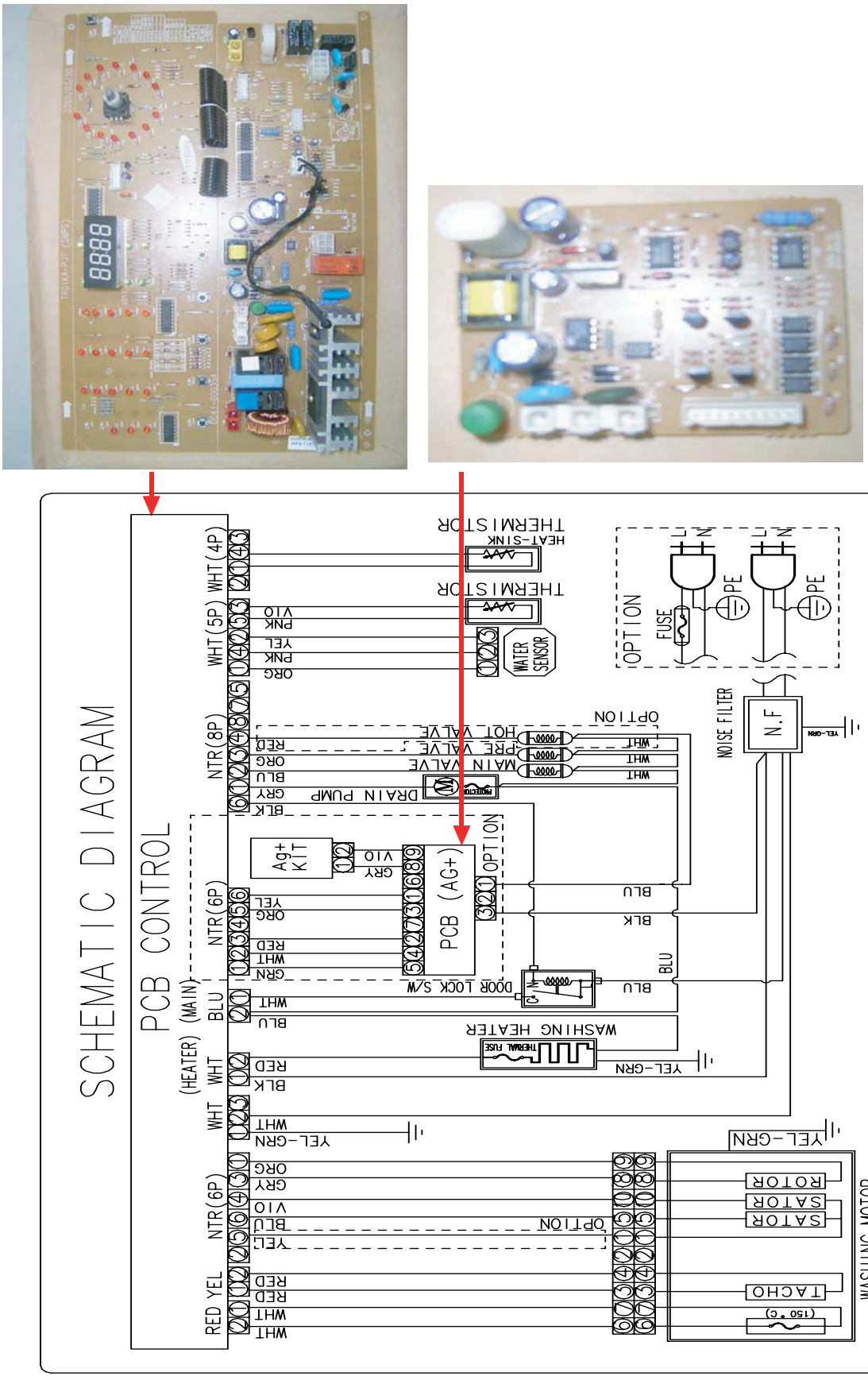


12-2 SUB PCB

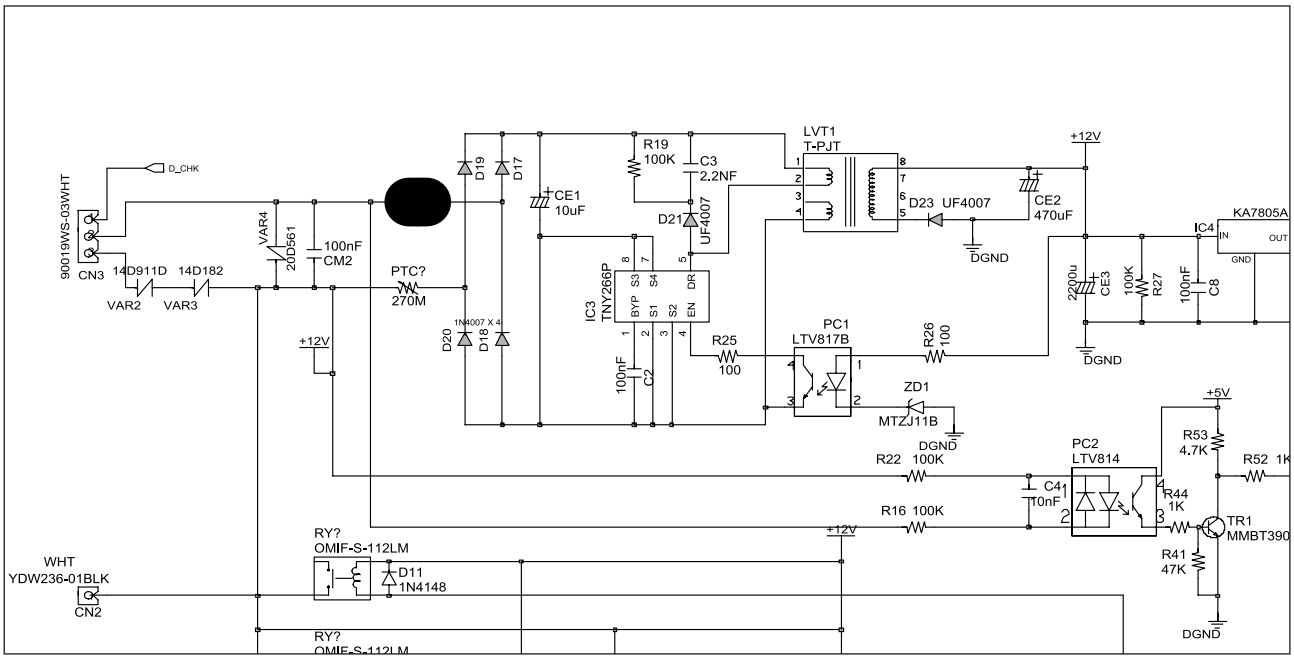


13. CIRCUIT DESCRIPTIONS

13-1. OVERALL SYSTEM



12-2. AC Input & Power Circuit



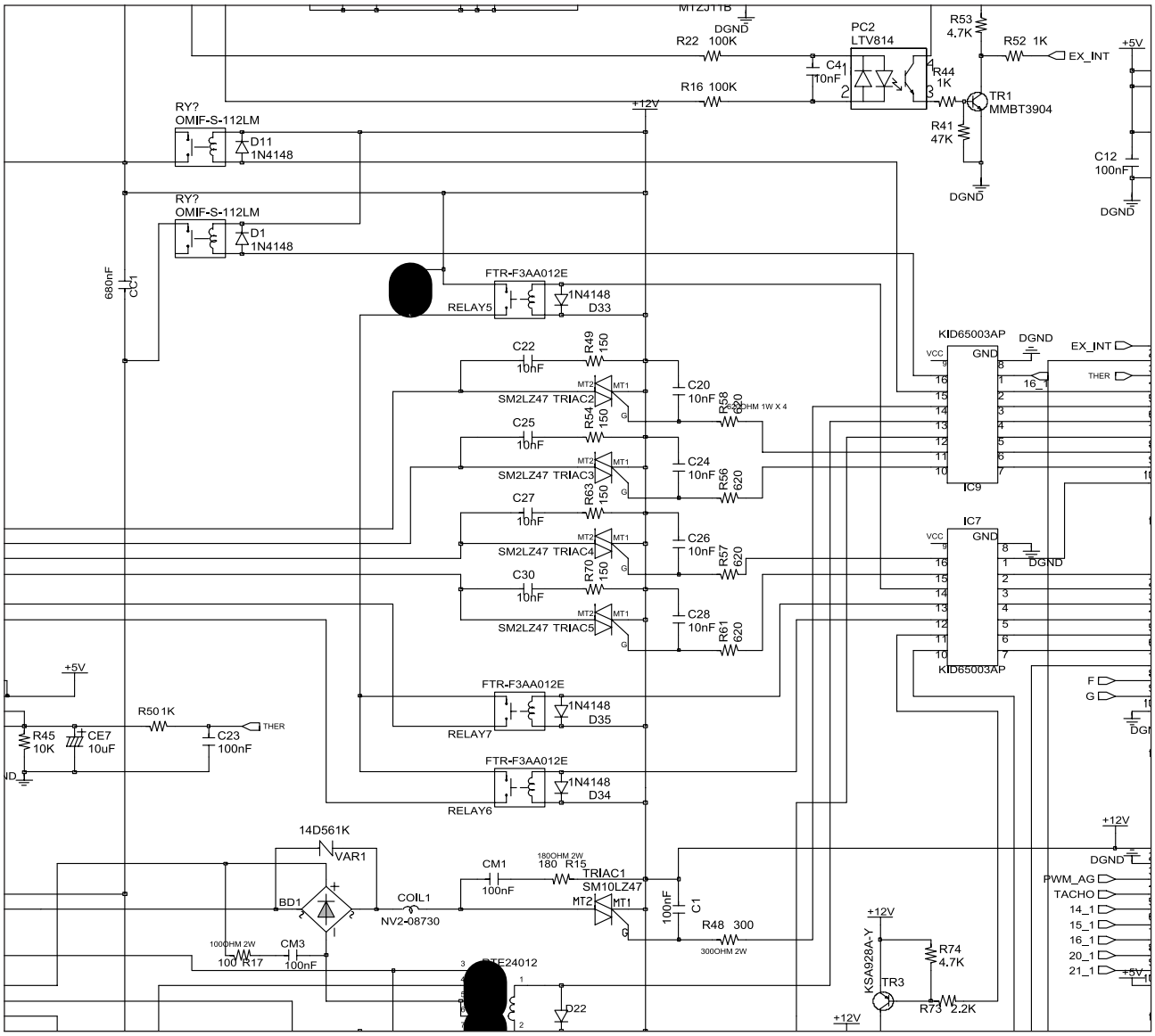
▶ Function

Generates a required DC power of 12V or 5V in case of supplied or disconnected AC power.

▶ Description

- When AC 220V is applied to CN3, D17 D20 transforms it to DC 300V.
- DC 300V is generated for the LVT1 secondary source by IC3 and PC1 turning on/off.
- The secondary 12V depends on the ZD1 value.
- The 12V for the LVT1 secondary source is transformed to DC 5V through IC4

12-3. Driving System Circuit



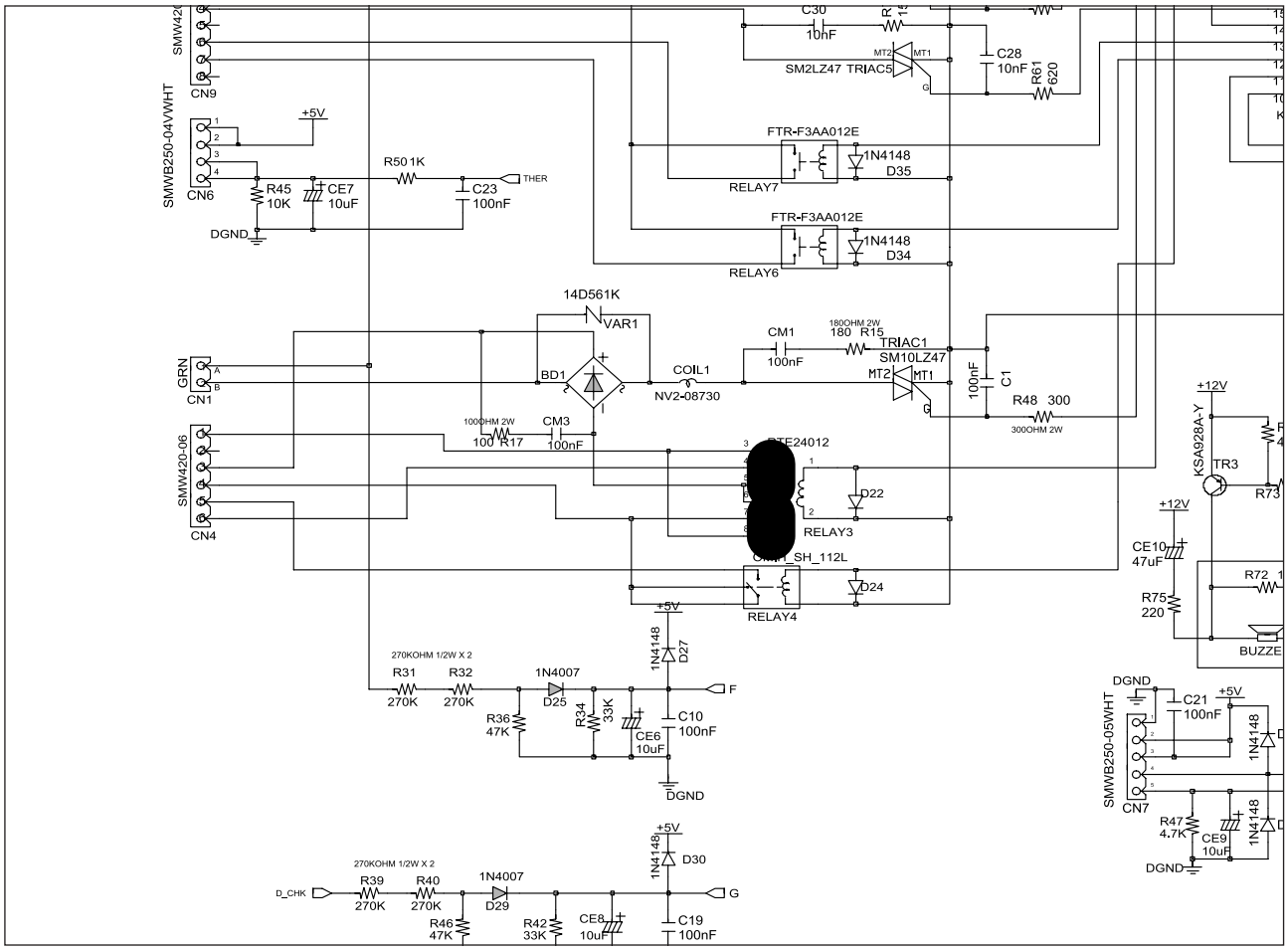
▶ Function

Controls each driving system (VALVE, DOOR S/W, DRAIN-MOTOR) by turning RELAY or TRIAC on/off.

▶ Description

- MICOM outputs a high signal of 5V from pin # 1 - 7 of IC7 and IC9.
- Then, pin # 10 to 16 of IC7 and IC9 are electrically grounded (0V).
- When pin # 10 to 16 are grounded, this creates an electric potential difference from the 12V that turns on RELAY 5,6,7 and TRIAC2,3,4,5.
- The operating parts (VALVE, DRAIN-MOTOR, DOOR S/W) connected to CN9 turn on if they are supplied with power.

12-4. Motor Circuit



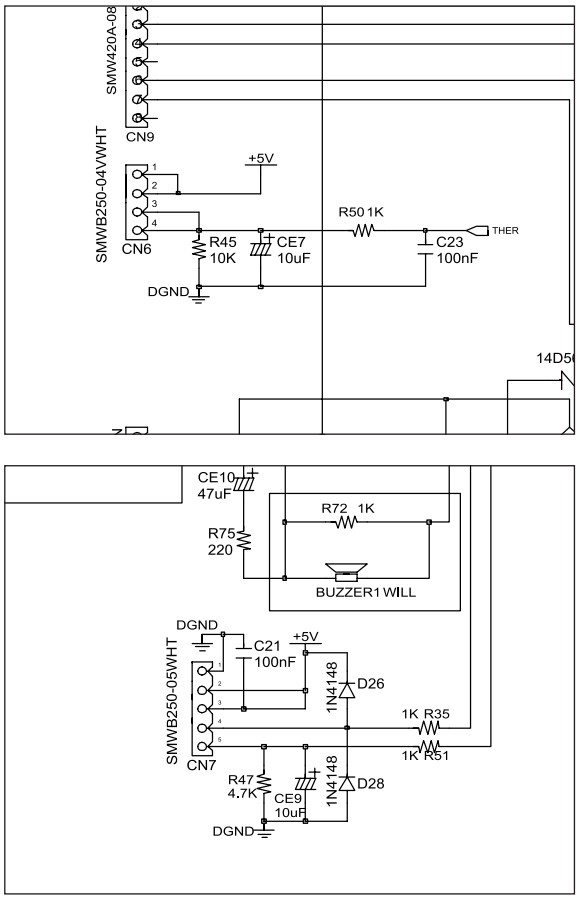
▶ Function

Supplies power to the motor and turns it CW/CCW (Right / Reverse direction).

▶ Description

- The operation of TRIAC1 is the same as that of the driving system.
- If the electric potential of R48 is grounded (0V), TRIAC1 turns on.
- CN1 detects if the door is locked or unlocked. If unlocked, it does not apply power to the motor even if TRIAC1 turns on.
- If the door is unlocked and TRIC turns on, the motor connected to CN4 is supplied with power and drives CW (right direction).
- Under such conditions, turning RELAY3 on will drive the motor CCW (reverse) as the wiring is switched to CCW.
- Turning RELAY4 on will switch the winding of the motor to one for higher driving.

12-5. Sensor Detection Circuit



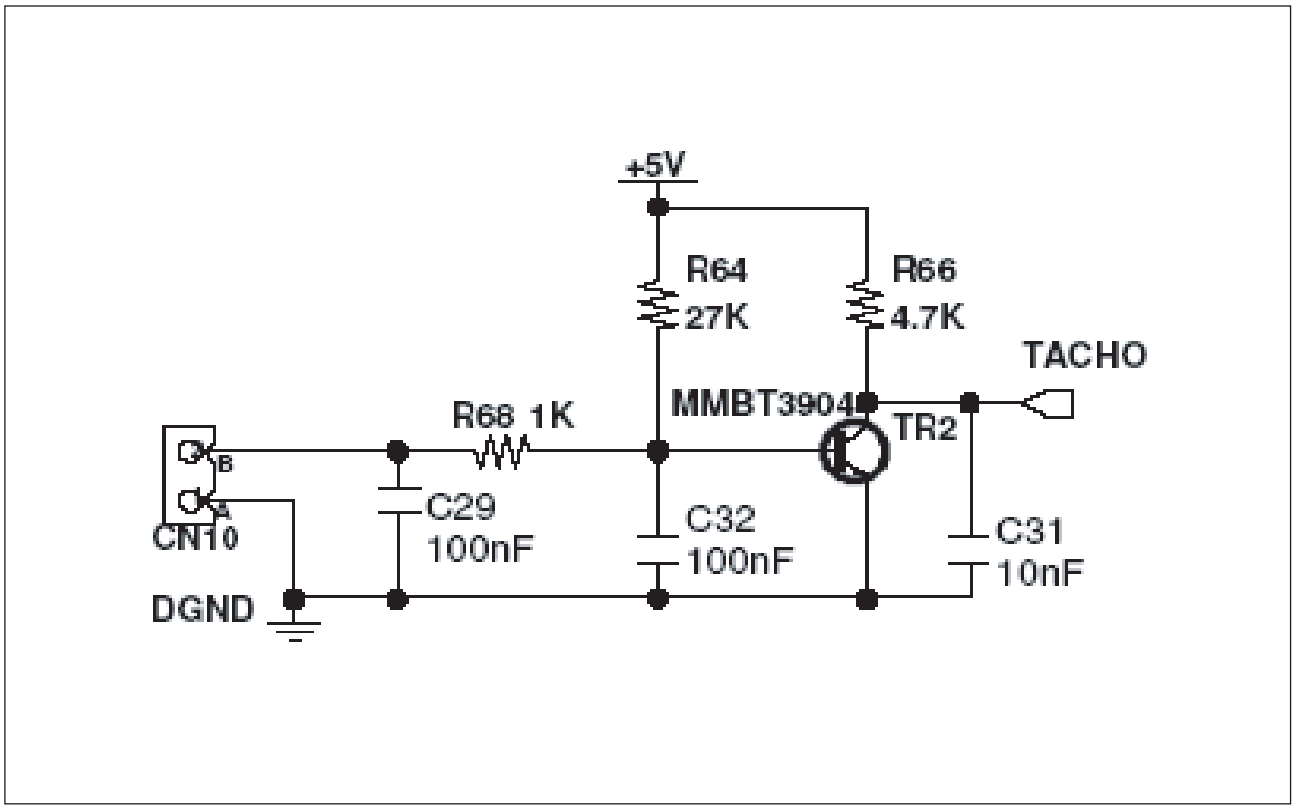
▶ Function

Detects signals from the sensor and controls the current system.

▶ Description

- The water level sensor is connected to pin 4 of CN7.
- The frequency of the level sensor changes according to the water amount in the tub.
- Then, the frequency is input to MICOM pin 48 for detecting the water amount.
- The DHSEH sensor is connected to CN7 pin 5 and CN6 pins 3,4.
- The resistance of the temp. sensor changes according to the ambient temperature. The changed resistance is applied to R50 and R51.
- The voltage applied to R50 and R51 is decided according the temp. MICOM stores the value.
- When voltage is applied to MICOM pins 22 and 23, MICOM compares it to the predefined one before detecting the current temp.

12-6. Motor TACHO Input System



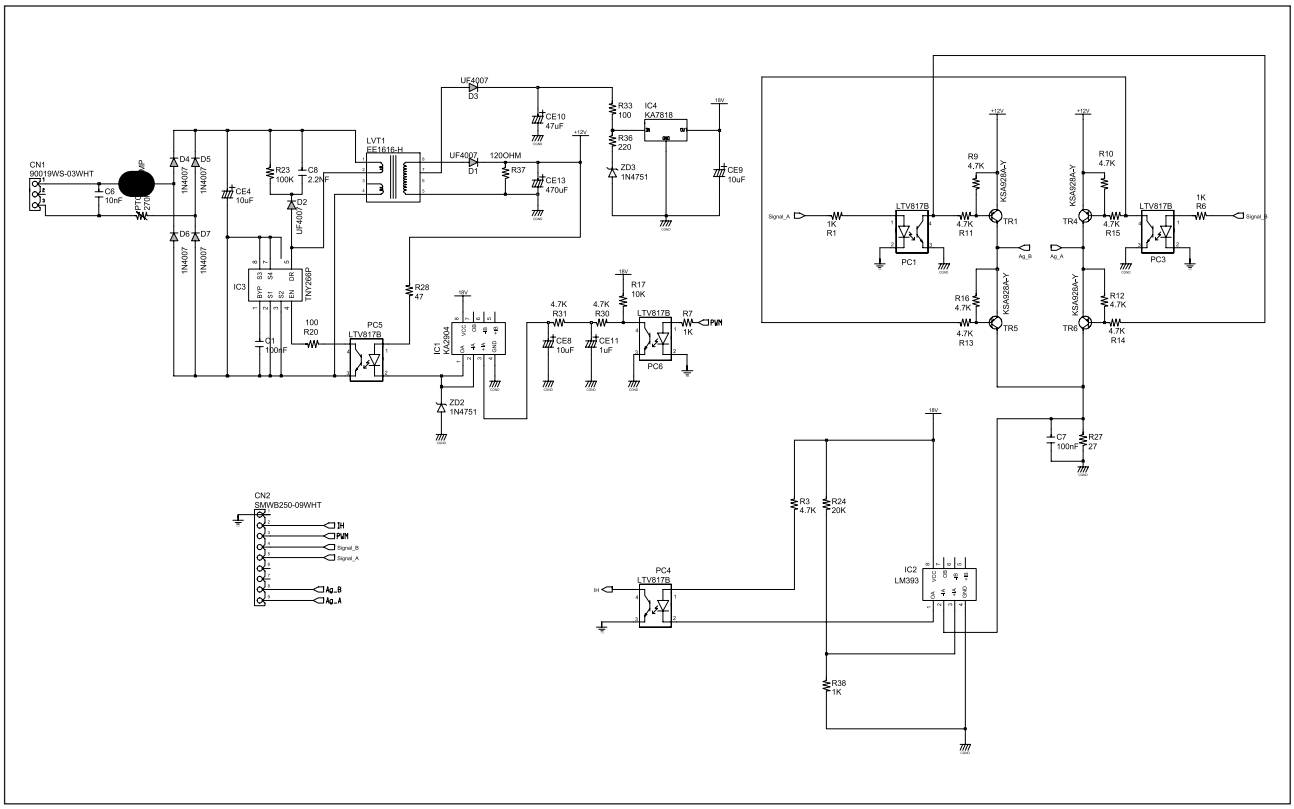
▶ Function

Detects the current RPM of the motor and controls the output.

▶ Description

- The motor TACHO sensor is connected to CN10 B-pin.
- According to the current RPM of the motor, a square wave is applied to pin 8.
- The square wave that is input to TR2 BASE turns the motor on if high (5V), and turns it off if low (0V). And this operation will be inverted to TACHO NET for a clear wave with no noise.
- The signal is applied to MICOM pin 13. Then MICOM counts the frequency of the input signal and detects the current RPM of the motor.

12-7. Silver Nano System



▶ Function

Applies the electric current to the silver plate during the water supply and uses the silver water to perform the bacteria-free or sterilization processes.

▶ Description

- Selects the silver nano feature to operate the system.
- Supplies water to the two silver plates AG_B and AG_A. Then, SINAL_A and SIGNAL_B output a high signal of 5V.
- Both SIGNAL_A and SIGNAL_B repeat this for 15 seconds outputting a high signal of 5V. SIGNAL_A output turns TR1 and TR6 on to generate a potential difference between the 12V and the grounding for causing the current to flow. SIGNAL_B output turns TR4 and TR5 on to generate a potential difference between the 12V and the grounding for causing the current to flow.
- The flowing current is transformed to a voltage by the resistance of R27.
- Then, the voltage is applied to IC1 pin 2 and used for detecting and controlling the flowing cur rent.

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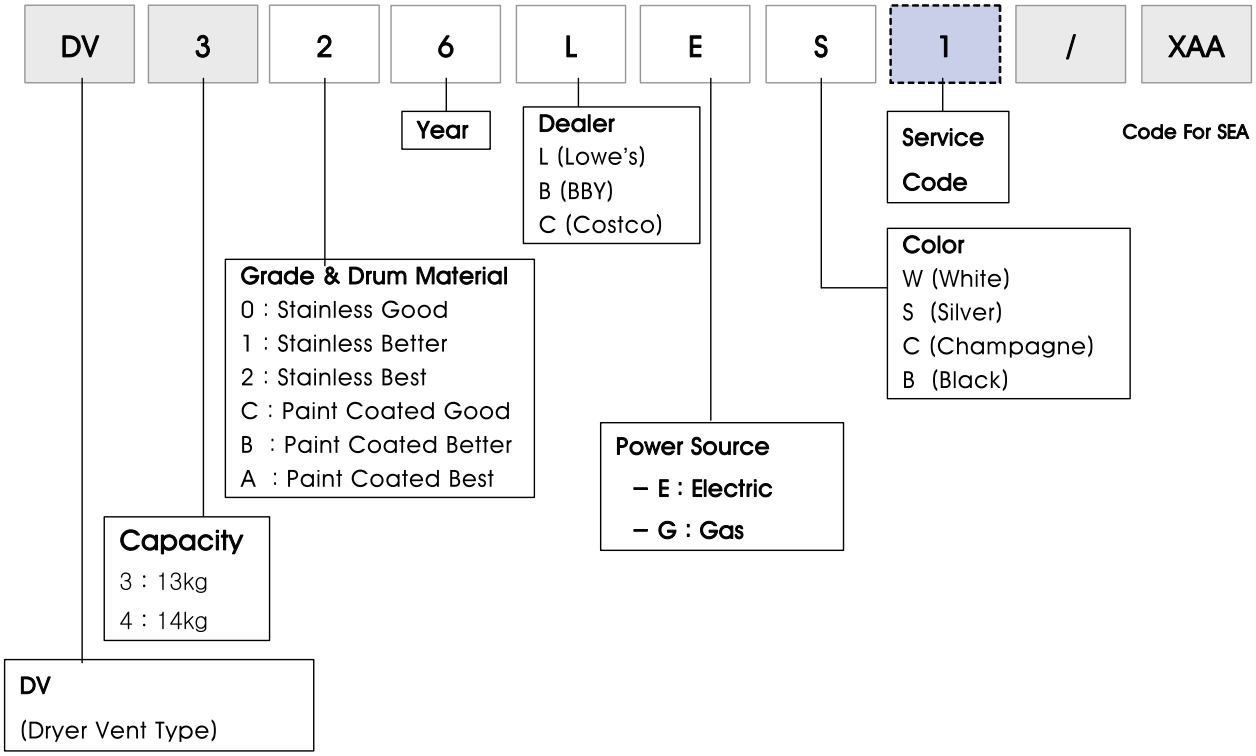
14. REFERENCE INFORMATION

14-1. MODEL NAME

Dryer Nomenclature



14-2. TERMINOLOGY

1) ASSY-MAIN PCB (Imbalance Sensor)
→ To prevent the laundry from gathering on one side of the tube causing noise and vibration, the washing machine uses an imbalance detection device that evenly disentangles the laundry before the hydrating cycle starts.

2) DOOR-LOCK S/W
→ Prevents the door from being opened while a cycle is in progress. For safety purposes, it keeps the door locked even in pause mode or after the washing cycle unless the water level frequency is greater than 24.8Khz (anti-overflow level) or the inside-tube temperature is less than 65℃ in the hydrating cycle, and 55℃ in the washing cycle.

3) SENSOR-PRESSURE (Anti Over-Flow)
→ When the water supplied is more than 2/3 of the tube capacity due to a malfunction of the water supply valve, this device automatically starts water-draining and displays “OVER-FLOW ERROR(E3)” on the LED.

4) THERMISTOR
→ Keeps sensoring and controlling the temperature inside the tube to keep it below your settings.

5) ASSY-THERMAL FUSE (Anti Over-Heat)
→ When the washing heater is overheated due to an error in the thermistor or any other malfunction, the assy-thermal fuse (built in the heater) is automatically activated to discon nect the power for your and the product’s safety.

6) ASSY-MAIN PCB (Sensitive Laundry Protection)
→ To avoid any damage to sensitive laundry, the tube temperature is detected and “ERROR(E8)” is displayed on the LED for Wool or Lingerie courses when the temperature is over 50℃.

7) THERMOSTAT (Anti Over-Heat)
→ When the heater (drier) overheats from an error in the thermistor or any other malfunction, the thermostat (installed on the drying duct) is automatically activated to disconnect the power for your or product’s safety

8) CHILD LOCK
→ Prevents children from playing with the washing machine.

9) PRE-WASH

→ The machine does a preliminary wash of about 10 minutes prior to the main wash. This is particularly effective for cleaning badly stained laundry.

10) WEIGHT SENSOR

→ The tube automatically rotates when no water is supplied to detect the laundry weight so that the proper wash time can be determined. (Standard, Boiling, Economy Boil and Dirt courses and Toweling and Drying cycles)

14-3. CHECK THESE POINTS IF YOUR DRYER

doesn't run.	• Be sure the door is latched shut. • Be sure the power cord is plugged into a live electrical outlet. • Check the home's circuit breaker and fuses. • Press the Cycle Selector dial again if the door is opened during the cycle.
doesn't heat.	• Check the home's circuit breaker and fuses. • Select a heat setting other than Air Fluff. • On a gas dryer, check that the gas supply is on. • Clean the lint filter and exhaust duct. • Dryer may have moved into the cool-down phase of the cycle.
doesn't dry.	• Check all of the above, plus... • Be sure the exhaust hood outside the home can open and close freely. • Check exhaust system for lint buildup. Ducting should be inspected and cleaned annually. • Use 4" rigid metal exhaust duct. • Do not overload. 1 wash load = 1 dryer load. • Sort heavy items from lightweight items. • Large, bulky items like blankets or comforters may require repositioning to ensure even drying. • Check that the washer is draining properly to extract adequate water from theload. • Load may be too small to tumble properly. Add a few towels.
is noisy.	• Check the load for objects such as coins, loose buttons, nails, etc. Remove promptly. • It is normal to hear the dryer gas valve or heating element cycle on and off during the drying cycle. • Be sure the dryer is leveled properly as outlined in the installation instruction. • It is normal for the dryer to hum from the high velocity of air moving through the dryer drum and exhaust system.
dries unevenly.	• Seams, pockets, and other similarly heavy areas may not be completely dry when the rest of the load has reached the selected dryness level. This is normal. Select the Very Dry setting if desired. • If one heavy item is dried with a lightweight load, such as one towel with sheets, it is possible that the heavy item will not be completely dry when the rest of the load has reached the selected dryness level. Sort heavy items from lightweight items for best drying results.
has an odor.	• Household odors from painting, varnishing, strong cleaners, etc. may enter the dryer with the surrounding room air. This is normal as the dryer draws the air from the room, heats it, pulls it through the tumbler, and exhausts it outside. When these odors linger in the air, ventilate the room completely before using the dryer.
shuts off before load is dry	• Dryer load is too small. Add more items or a few towels and restart the cycle. • Dryer load is too large. Remove some items and restart the dryer.

14-4. INFORMATION CODES

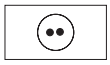
- Information codes may be displayed to help you better understand what is occurring with the dryer.

Code Symbol	Meaning	Solution
	Heater temperature control problem.	Call for service. See below.
	Door open sensing problem.	Call for service. See below.
	Door open error When the door is open, the dryer will not operate.	Be sure the door is latched shut. If problem continues, call for service. See below.

- For any codes not listed above, call 1-800-726-7864 (1-800-SAMSUNG).

14-5. FABRIC CARE CHART

The following symbols provide garment care directions without words. The care label will include, in order, four symbols: washing, bleaching, drying, and ironing (or dry cleaning when necessary). The use of symbols ensures consistency among garment manufacturers of domestic and imported items. Follow care label directions to maximize garment life and reduce laundering problems.

Wash Cycle		Special Instructions		Warning Symbols for Laundering	
	Normal		Line Dry/ Hang to Dry		Do Not Wash
	Permanent Press/ Wrinkle Resistant/ Wrinkle Control		Drip Dry		Do Not Wring
	Gentle/Delicates		Dry Flat		Do Not Bleach
	Hand Wash	Heat Setting			Do Not Tumble Dry
Water Temperature**			High		No Steam (added to iron)
	Hot		Medium		Do Not Iron
	Warm		Low		
	Cold		Any Heat		
Bleach			No Heat/Air		
	Any Bleach (when needed)	Iron-Dry or Steam Temperatures			Line Dry/ Hang to Dry
	Only Non-Chlorine (color-safe) Bleach (when needed)		High		Drip Dry
Tumble Dry Cycle			Medium		Dry Flat
	Normal		Low		
	Permanent Press/ Wrinkle Resistant/ Wrinkle Control	Dryclean			
	Gentle/ Delicates		Dry Clean		
			Do Not Dry Clean		

**The dot symbols represent appropriate wash water temperatures for various items. The temperature range for Hot is 105° –125° F/ 41° – 52° C, for Warm 85° – 105° F/29° – 41° C and for Cold 60° – 85° F/16° – 29° C. (Wash water temperature must be a minimum of 60° F/16° C for detergent activation and effective cleaning.)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