

SAMSUNG

Fast Track Troubleshooting

IMPORTANT SAFETY NOTICE – “For Technicians Only” This service data sheet is intended for use by persons having electrical, electronic, and mechanical experience and knowledge at a level generally considered acceptable in the appliance repair trade. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible, nor assume any liability for injury or damage of any kind arising from the use of this data sheet.

Bulletins:

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Support Information:

HELP: 1-888-751-4086 (Tech Sup. – ASC/SSD) - 1-866-894-0637 (Tech Sup. - FE/ME)

GSPN: <http://gspn3.samsungcsportal.com/main.jsp>

PLUS ONE: <http://my.plus1solutions.net/clientPortals/samsung>

Service Mode:



How to Enter:

To enter Service Mode, press Mixed Load Bell + Temp. Keys 3 seconds in normal mode until it sends out a beeping sound.

If pressing Mixed Load Bell + Temp. Keys in Service mode, it will return Normal mode.

- Even though entering Service mode, the operating cycle will not be influenced.

Touch Sensor Data Display Mode:

How to Enter:

With Power On pressing Mixed Load Bell + Temp for 3 seconds

This action will put the dryer into sensor bar touch data mode

Dryer will display Sensor Bar data.

Definition of Sensor Bar Touch Data Mode:

- This mode is default mode of entering service mode

Cycle Count Mode:

How to Enter:

Press the Mixed loaded bell key in Service Mode.

Definition of Sensor Bar Touch Data Mode:

This mode is to bring up the total number of cycles that User have carried out.

Software Revision Mode:

How to Enter:

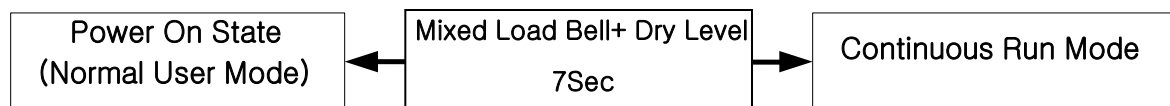
At Service Mode, press Temp until it sends out a beeping sound
ex) In case of "U105", U0 means major version "v1" 05 means minor version "05"

- If press Temp key In Software Version Mode, it will return Service Mode.

Definition of Software Version Mode:

- It is to retrieve its software version

Continuous Run Mode:



How to enter:

- Press Mixed Load Bell+ Dry Level for 7 sec during Power On State (normal user mode).
- Once in Continuous Run Mode, display "CC" for 1 sec and the remaining time for 2 sec in turns.
- The previous cycle will restart during Continuous Run Mode until the mode is deactivated.
- During Continuous Run Mode, press Mixed Load Bell+ Dry Level for 7 seconds to go back to normal user mode.

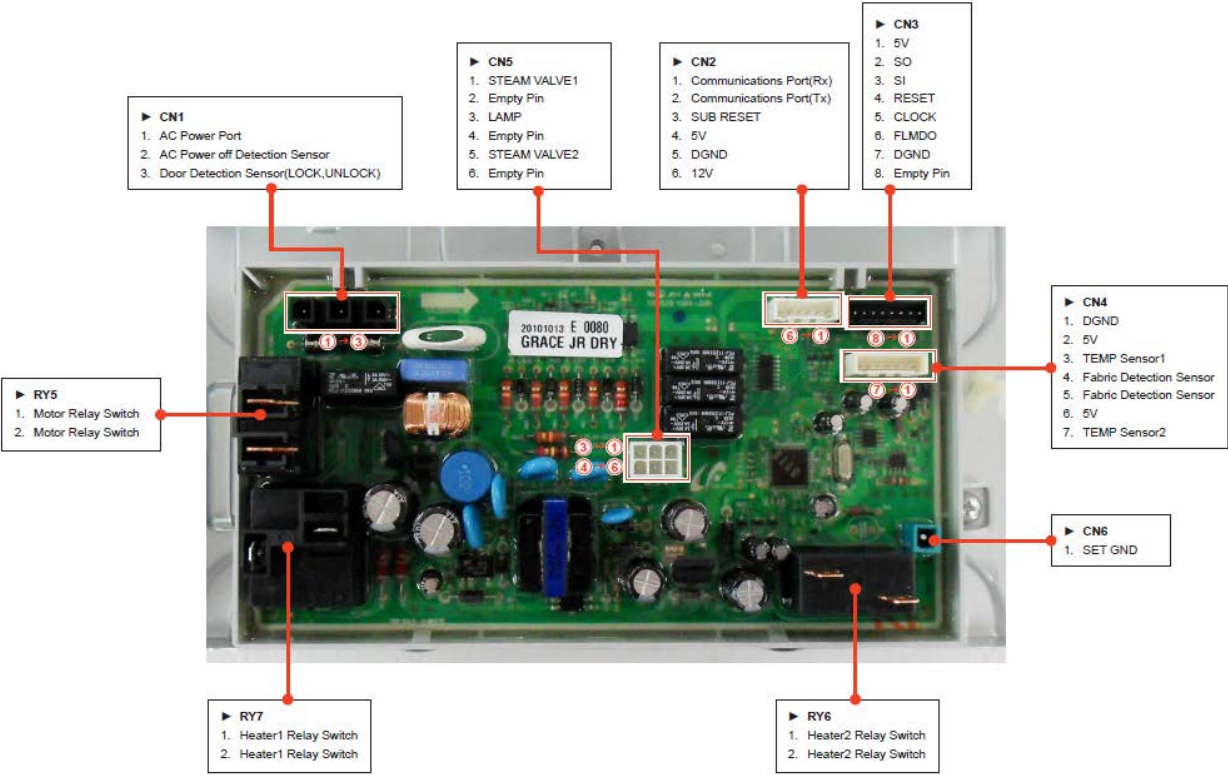
Error Items and Diagnostic Codes:

Error Display	Trigger	Action Taken
tS	Clogged Lint Screen Vent is restricted	Clean the screen or vent.
tO		tO If the problem continues call for service.
dO	Running the dryer with door open	Close the door and then restart. If the problem continues call for service.
dF	Door is not closing properly	Call for service.
bE2	Invalid state of key circuit short for 30secs	Make sure a button is NOT being pressed continuously. Try restarting the cycle. If the problem continues call for service.
oD	Invalid Dry time	Call for service.

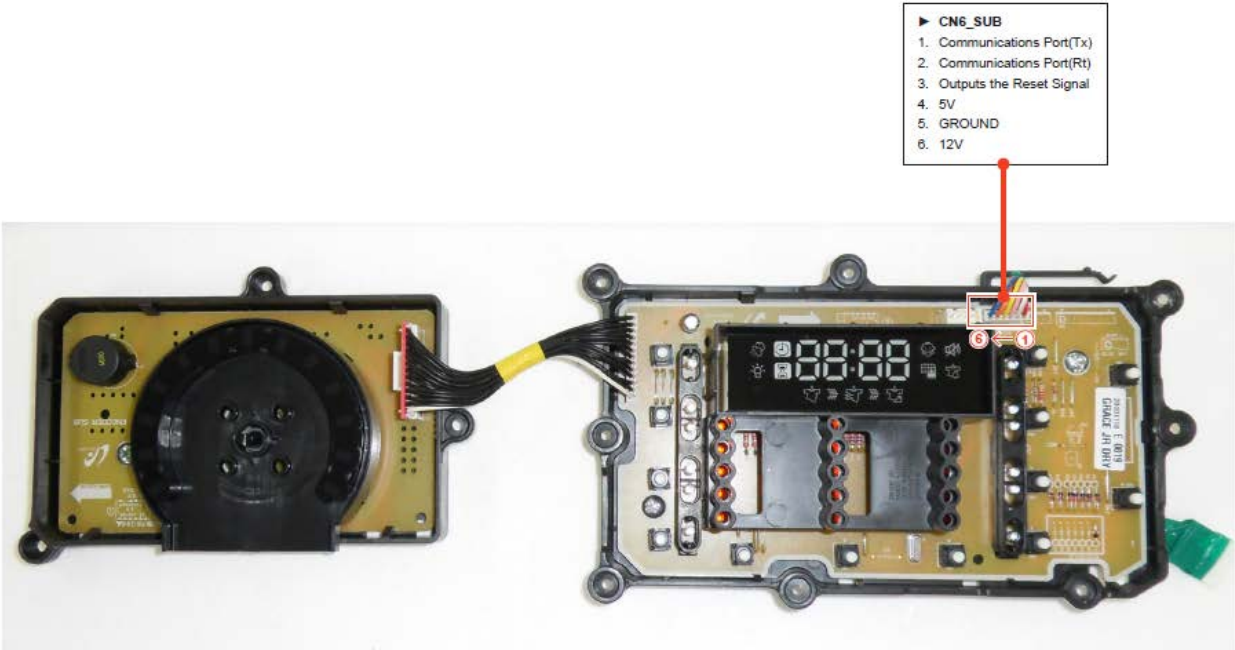
Error Display	Trigger	Action Taken
hE	Invalid heating Temp in running the dryer	Call for service.
Et	EEPROM is not communicating properly	Try restarting the cycle. If the problem continues call for service.
FE	Invalid power source Frequency	Try restarting the cycle. If the problem continues call for service.
AE	Electronic Control Problem (Communication Error)	Call for service.
2E	Electronic Control Problem (Over Voltage Error)	Call for service.

Problem	Possible Cause & Corrective Action
Will Not Start or Run	• All connectors are plugged in correctly. • Dryer is plugged into the power outlet. • Check if house fuses or circuit breaker is blown. • Check if the door is closed properly (if it is open, "do" will light up). • Check if the rotary selector dial works well. • Check if Control Board is good. • Check if the belt is cut off or Belt Cut-off switch is initiated. • Check if Drive Motor is spinning properly. • Check motor winding resistance: 2.88ohms between pin #3 and 4, 3.5ohms between pin #4 and 5.
Motor runs/ tumbler will not turn	• Check if the belt is cut off. • Check if Idler Tension Spring is fatigued and get relaxed, pressing Belt S/W. • Check if Idler Pulley is jammed or stuck.
Runs a few minutes and then stops	• Lint built-up around Drive Motor. • Insufficient power. • Blower Impeller stuck in Blower Housing.

Main PCB



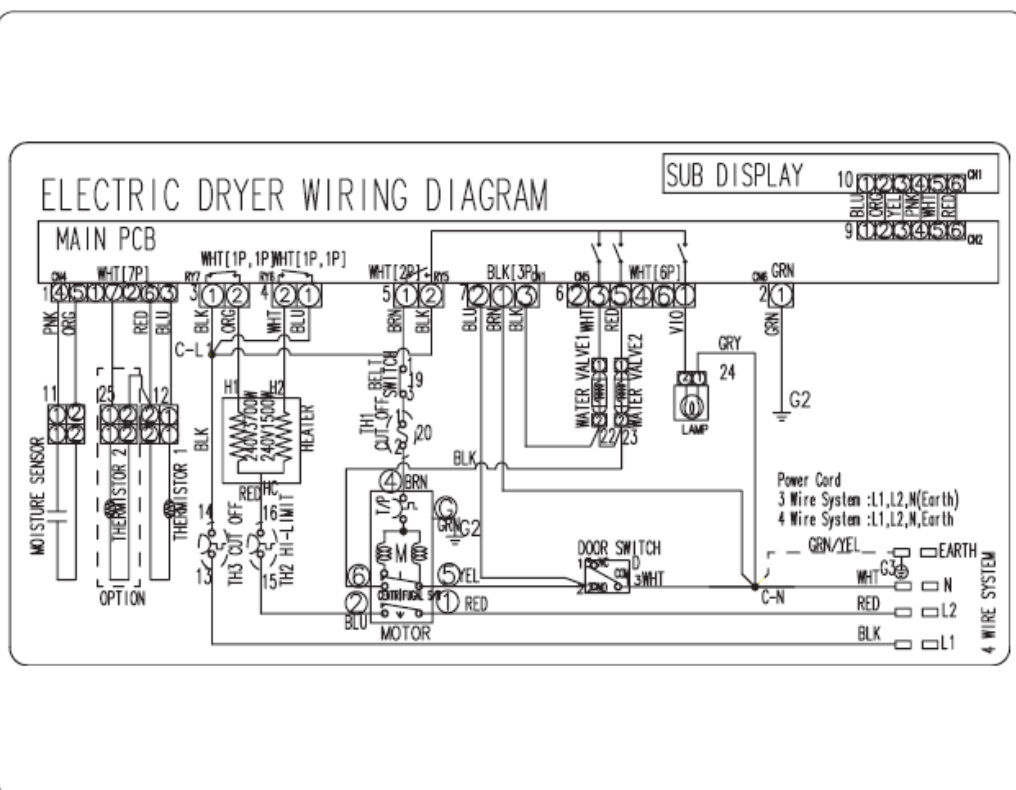
Sub PCB



6-1. WIRING DIAGRAM (ELECTRIC DRYER)

■ Reference Information

BLK	BLACK
BLU	BLUE
GRN	GREEN
GRY	GRAY
NTR	NATURAL
ORG	ORANGE
PNK	PINK
RED	RED
SKYBLU	SKYBLUE
VIO	VIOLET
WHT	WHITE
YEL	YELLOW



6-2. WIRING DIAGRAM (GAS DRYER)

■ Reference Information

BLK	BLACK
BLU	BLUE
GRN	GREEN
GRY	GRAY
NTR	NATURAL
ORG	ORANGE
PNK	PINK
RED	RED
SKYBLU	SKYBLUE
VIO	VIOLET
WHT	WHITE
YEL	YELLOW

