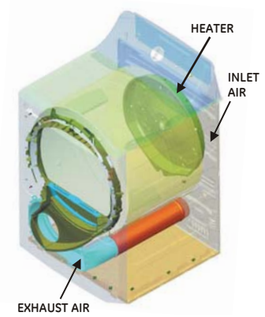
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SERVICE PARTS AND LUBRICATION

Motor 120V-60HZ (WE17X23056)
Drive Belt WE12M29
Idler Pulley WE12M8
Drum Bearing Sleeve WE1M462
Grease - Idler Bearing WE25X46

SERVICE NOTE: Some replacement parts may have more terminal connections than the original part. Wire the new part to the same numbered terminals as the original part and disregard the unused terminals unless a special instruction is provided.

AIR FLOW AND SEALS



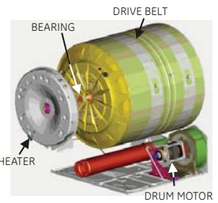
Proper air flow through the dryer is essential for normal operation of the temperature control and safety systems. Air is PULLED into the cabinet from rear and drawn up across the heaters located behind the drum. This hot air is PULLED through the drum rear, across the clothes load, through the lint trap and down the trap duct into the blower. From the blower the air is PUSHED out of the exhaust system. Any air leaks between the air inlet and the blower, such as lower drum front left or trap duct to cabinet front sealing, will result in improper temperatures. The air being pulled down the trap duct to the drum outlet thermostat will be cooler than normal, giving this thermostat a false indication (delayed or no-trip). Leaks ahead of the blower will also reduce the volume of air across the heaters causing hot spots and possible premature failure.

TRAP DUCT SEALING

To inspect the trap duct for proper sealing, remove the lint filter and look down into the duct. With a light examine the trap duct on all sides where it meets the dryer front for voids in sealing. Leaks may be sealed with permagum.

- WHEN FLEXIBLE DUCT IS USED. WE STRONGLY RECOMMEND METALLIC FLEXIBLE DUCT.
- EXHAUST DUCT MUST BE 100mm (4 INCH) DIAMETER
- FOR SPECIFIC EXHAUST SPECIFICATION, REFER TO INSTALLATION INSTRUCTIONS SUPPLIED WITH THE DRYER.

DRIVE BELT



The drum is rotated counterclockwise, as viewed from the front, at a speed of 47-51 RPM. Belt tension is maintained by a spring-loaded idler pulley and driven by a pulley attached to the rear motor shaft.

STEAM SYSTEM (on some models)

Water is injected in the drum through a nozzle located at the front of the dryer appliance. A water valve located at the bottom rear of the dryer provides water to nozzle. When servicing nozzle check for leaks and replace if necessary.

IMPORTANT - Reconnect the steam supply hose coupling on models so equipped.

NOTES:

1. Heater element is shown on wiring schematic (on reverse side of this sheet). Check for infinite resistance between any heater terminal and dry cabinet. Heater failure could result from low air flow caused by improper sealing, kinked or excessive ducting or excessive line voltage.
2. Other factors contributing to long dry times, or clothes condition: load size, large bulky items, ambient temperature, room size (if not exhausted outdoor), washer spin speed, washer rinse temperature.
3. Small loads: Less than 3 lbs. if not treated with destaticizer could develop a static charge if over dried and cling to drum surface (no tumble) causing wrinkles, shrinkage, or melting. Use a fabric softener (washer or dryer) or add 2 large bath towels to act as a buffer when drying.

ENTRY OF FIELD SERVICE MODE

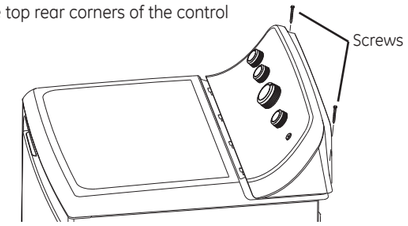
- The control must be in idle state (all LED's off) to enter Field Service Mode.
- The sequence must be done in order. If there are any other button presses or buttons are pressed out of order, the sequence must be started from the beginning.
- Upon entering the Service Mode, there will be a beep and control will be in test selection mode display beginning with test number 1 (t1).
- Rotating the knob counter clockwise will decrement the test number in the display.
- Rotating the knob clockwise will increment the test numbers in the display.
- Once the test number is selected, pressing ***Start/Pause*** button will begin the selected test.
- Entering Field Service Mode will have no effect on consumer volume level.
- Also during Field Service Mode the consumer volume level will be used for all tones.
- The following button sequence must be pressed; press and hold the ***Start*** button, turn the cycle knob 180°, and then release the ***Start*** button.

EXIT OF FIELD SERVICE MODE

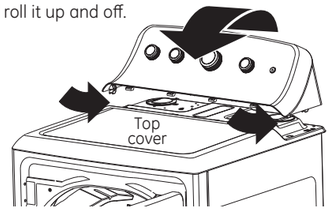
- Field Service Mode will time out after 30 minutes if there is no user activity.
- Pressing the ***Power*** button or unplugging power to the machine will exit Field Service Mode.
- When exiting Field Service Mode and going back to stand by the previous cycle state may not be restored, as Field Service Mode is not a consumer mode.
- Exiting Field Service Mode will not affect consumer volume level.

DISASSEMBLY

Step 1: Remove the two hex head screws from the top rear corners of the control panel.

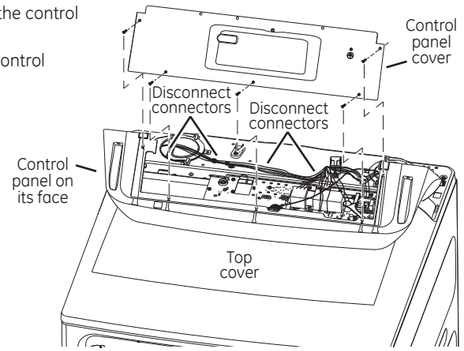


Step 2: Grasp the control panel sides, push it back, and roll it up and off. Carefully lay it on it face on the top cover.



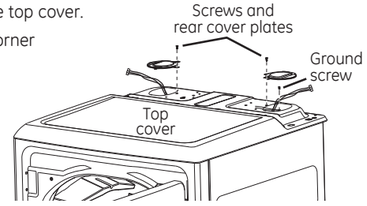
Step 3: Remove the five screws from the control panel cover.

Disconnect the connectors from the control board and set the control panel aside



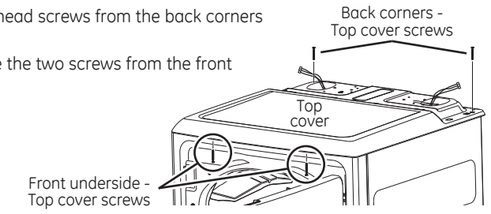
Step 4: Remove the screws/rear cover plates from the top cover.

Remove the ground wire screw from the back right corner opening.



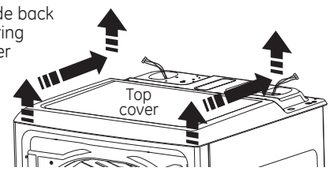
Step 5: Remove the two phillips head screws from the back corners of the top cover.

Open the dryer door and remove the two screws from the front underside of the top cover.



Step 6: Grasp the front corners of the top cover, lift up, slide back and lift up. Hold the top cover with one hand, push the wiring harnesses through the openings and then set the top cover aside.

NOTE: To remove the front panel, remove the two screws from the top front panel corners, and disconnect all of the connectors and the water line. Set the front panel aside.



SERVICE MODE TEST		SEQUENCE
t1	Dryer Model Codes	The User Interface Mode Type is displayed as a three digit decimal number. When ***Start*** button is pressed the Heater Type is displayed as "g" for Gas or "E" for Electric. Each time ***Start*** is pressed, the display will alternate between User Interface Mode Type and Heater Type. Setting Model Codes Pressing simultaneously ***Temp*** & ***Level*** buttons, the current User Interface Mode Type is first displayed and can be adjusted as follows: Pressing ***Level*** button will wrap through valid User Interface Mode Type for the dryer and it increases until it wraps to the lowest valid number. Pressing ***Temp*** button will wrap through valid User Interface Mode Type and it decreases until it wraps to the highest valid number. Pressing the ***Start*** button will temporarily save the User Interface Mode Type. Next the current Heater Type selection is displayed as "g" Gas or "E" Electric. Pressing ***Temp*** or ***Level*** will alternate the display between the two Heater Type selections. Pressing ***Start*** for 3 seconds will store both the User Interface mode and Heater Type. Once the Heater Type and User Interface Mode have been successfully set, the unit will sound a valid tone and go to Idle Mode. If sequence is interrupted, User Interface Mode and Heater Type will not be saved.
t2	UI Software Version Check	Control will show Software Version # in decimal number on display alternating between: The 2-digit Major Software Version # and the LED for ***Ext Tumble*** button will turn on. The 2-digit Minor Software version # and the LED for ***Damp Alert*** button will turn on.
t3	XML Version Check	Display will show XML Version # in decimal number automatically alternating between: Displaying the 2-digit Major XML Version # and the LED for ***Ext Tumble*** button will turn on. Displaying the 2-digit minor XML version # and the LED for ***Damp Alert*** button will turn on.
t4	Error codes	The display error codes test allows the technician to examine and clear the fault log. Control will display the most recent error in the fault log upon entry into the display error codes test. If there are no errors, then No Error Code ("00") will be displayed. Control will clear displayed error if ***Start*** is pressed during the display error codes test. After clearing the displayed error from the fault log, the appliance will display the next most recent error from the fault log. After clearing all errors from the fault log, the control will display "00" code. The control will log the last 8 error codes in a circular list.
t5	CRC Non-volatile Memory Test	Control will compute the 16-bit CRC and compare it with the pre-computed 16-bit CRC that is stored in the non-volatile memory. Control will sound Button Press Beep and show "EP" after successful 16-bit CRC comparison. Control will display "EF" and sound the Invalid Button Press beep if the 16-bit CRC fails.
t6	User Interface Test	Control will turn on all indicators on the display and turn on all LED indicators. A button test is active with this test, when a button is pressed (other than the ***Power*** Button) it will sound a Valid Button Tone.
t7	Outlet Thermistor Test	Control will display the Outlet Thermistor temperature in °F. If the temperature is greater than 99°F, the display will flash between the Most Significant digit and the least significant 2 digits. Control will start the drum motor during the test. Electric models will turn on both the Inner and Outer Coil during the test. Gas models will turn on the Outer Coil, Gas Valve and Igniter during this test. Opening the dryer door will turn off the drum and heaters. Control will turn off the drum motor and all heater sources before exiting this test.
t8	Inlet Thermistor Test	Control will display the Inlet Thermistor temperature in °F. If the temperature is greater than 99°F, the display will flash between the Most Significant digit and the least significant 2 digits. Control will start the drum motor during the test. Electric models will turn on the Inner Coil during the test Gas units will turn on the Outer Coil, Gas Valve and Igniter during this test. Opening the dryer door will turn off the drum and heaters. Control will turn off the drum motor and all heater sources before exiting this test.
t9	Moisture Sensor Test	Control will display the voltage read from the moisture sensor in tenths of a volts with two decimal place accuracy using 2 digits of the display (ej. 4.3 volts = 43).
t10	Door Open /Closed Test	Control will display "dc" if the door as closed or "do" if door is opened.
t11	Water Valve Test	Control will turn on water valve relay and drum motor when ***Start*** is pressed ("On" displayed). When ***Start*** is pressed again the relay will be turned off ("OFF" displayed). A beep will sound every time ***Start*** is pressed. Control will turn off the valve and the drum motor when the door is opened. Control will turn off the valve and the drum motor when the test mode is changed. Control will turn off the valve and the drum motor if the Field Service mode is exited. When valve and drum motor are turned off by the previous three conditions, when executing the test, the user must press ***Start*** to restart the test to turn on the drum motor and steam relay.
t12	Restore EEPROM Values	If ***Start*** is pressed the default EEPROM values will be restored except; Heater Type Mode and User Interface Type Mode will remain unchanged. The control will display "EE". Until default EEPROM values are restored, any user input including knob change and ***Power*** button, will be locked out.
t13	Drum Test	The control will start the drum rotation for 30 seconds and the display will show "On". Opening the Dryer Door will cause the drum motor to stop and "OFF" will be displayed. Exiting the test will turn off the drum rotation.

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SETTING MODEL CODES (ON NEW BOARDS WITH ALL LED'S FLASHING)

Pressing simultaneously ***Temp*** & ***Level*** buttons, the current User Interface Mode Type is first displayed and can be adjusted as follows:

- Pressing ***Level*** button will wrap through valid User Interface Mode Type for the dryer and it increases until it wraps to the lowest valid number.
- Pressing ***Temp*** button will wrap through valid User Interface Mode Type and it decreases until it wraps to the highest valid number.
- Pressing the ***Start*** button will temporarily save the User Interface Mode Type.
- Next the current Heater Type selection is displayed as "g" for Gas or "E" for Electric.
- Pressing ***Temp*** or ***Level*** will alternate the display between the two Heater Type selections.
- Pressing ***Start*** for 3 seconds will store both the User Interface mode and Heater Type.
- Once the Heater Type and User Interface Mode have been successfully set, the unit will sound a valid tone and go to Idle Mode.
- If sequence is interrupted, User Interface Mode and Heater Type will not be saved.

MODEL	MODEL CODE
GTX65	2
GTD65	1

ERROR CODES

ERROR CODE	DESCRIPTION
000	No error
001 - Inlet Thermistor Short	When the Inlet Thermistors count of low readings exceeds the 10 threshold, an Inlet Thermistor Short Error is set. Check and replace Inlet Thermistor if necessary.
002 - Outlet Thermistor Short	When the Outlet Thermistors count of low readings exceeds the 10 threshold, an Outlet Thermistor Short Error is set. Check and replace Inlet Thermistor if necessary.
003 - Inlet Thermistor Open	When the Inlet Thermistors count of high readings exceeds the 10 threshold, an Inlet Thermistor Short Error is set. Check and replace Inlet Thermistor if necessary.
004 - Outlet Thermistor Open	When the Outlet Thermistors count of high readings exceeds the 10 threshold, an Outlet Thermistor Short Error is set. Check and replace Inlet Thermistor if necessary.
005 - EEPROM error	Bad CRC detected when reading a Page from EEPROM. Check and replace board if necessary.
006 - Stuck button	If a button is depressed for 1 Minute it will be logged as a stuck button. When the button is released, the stuck button error will be cleared.
007 - Miss-wire	L2 and N miss-wired (AC input too high). L2 and N need to be rewired.
008 - Door latch stuck	If five cycles are run and the door signal in the hardware door switch detection circuit has not gone open for five cycles, then this error is set. It can be for a door switch failure, harness failure, board failure or software protection. Open door and if this error is cleared, we have a software protection. If error is not cleared, check door switch, control board or harness.
00D - Door signal stuck	If five cycles are run and the door signal in the hardware door switch detection circuit has not gone open for five cycles, then this error is set. "Open Door" is scrolled on the display. Open door and if this error is cleared, we have a software protection. If error is not cleared, check control board or harness.

⚠ WARNING **Electrical Shock Hazard**

Death or serious injury can result from failure to follow these instructions.
- Service by a qualified service technician only.
- Disconnect power before servicing this product.
- Reconnect all grounding devices after service.
- Replace all parts and panels before operating.

⚠ AVERTISSEMENT **Risque de choc électrique**

Des blessures graves ou fatales peuvent résulter du défaut d'observer ces instructions.
- Réparations seulement par un technicien qualifié.
- Débranchez l'alimentation électrique avant la réparation.
- Rebranchez tous les dispositifs de mise à la terre après la réparation.
- Remettez toutes les pièces et panneaux en place avant d'utiliser l'appareil.

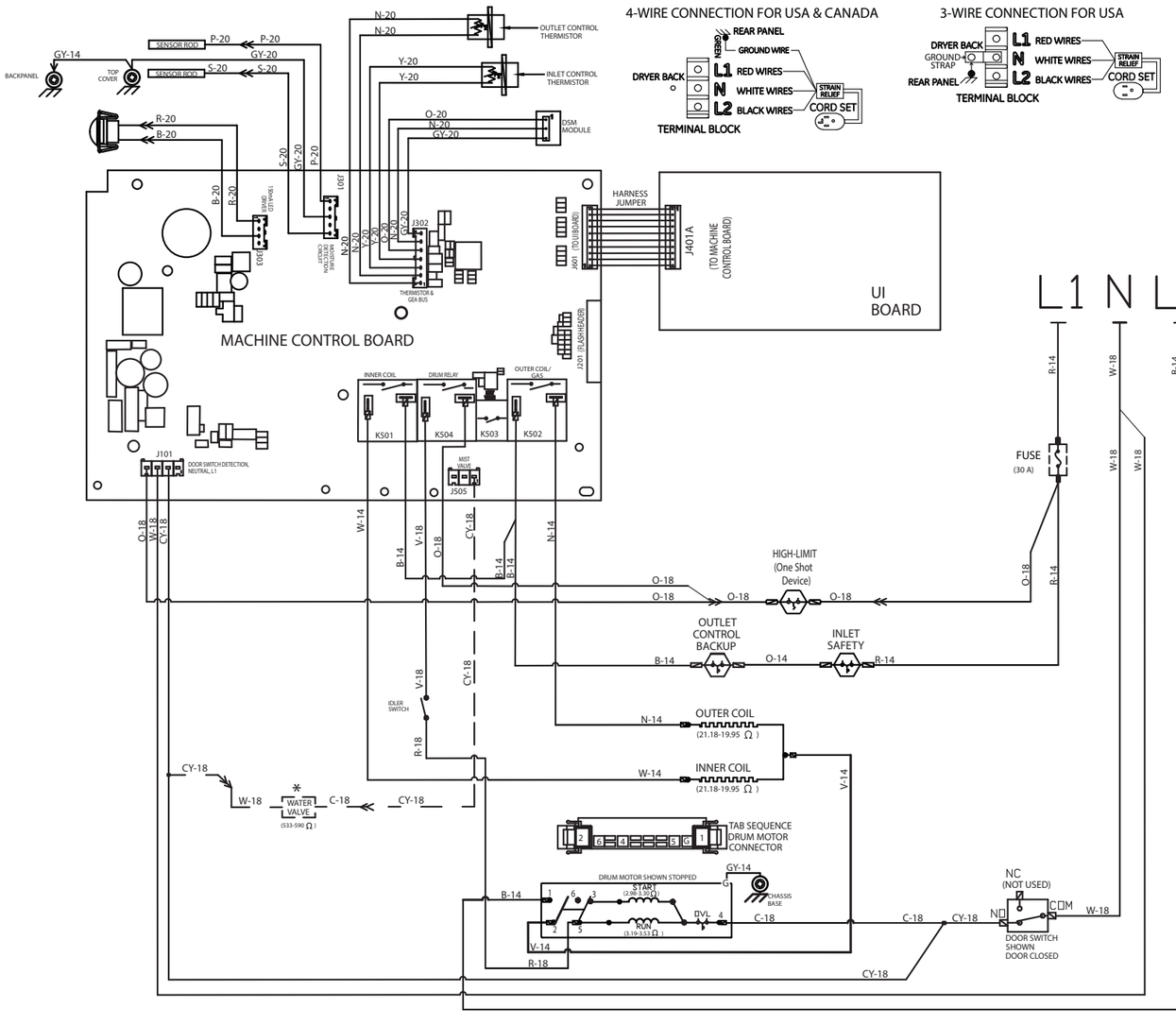
⚠ ADVERTENCIA **Riesgo de Descarga Eléctrica**

Si no se siguen estas instrucciones, se puede producir la muerte o lesiones graves.
- El servicio técnico sólo debe ser realizado por un técnico calificado.
- Desconecte el suministro de corriente antes de realizar el servicio técnico.
- Luego del servicio técnico, vuelva a conectar todos los dispositivos de conexión a tierra.
- Reemplace todas las piezas y paneles antes de utilizar.

Electric Dryer

DANGER: DISCONNECT ELECTRIC POWER SUPPLY BEFORE SERVICING

SCHEMATIC: CAUTION
LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS
WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION
VERIFY PROPER OPERATION AFTER SERVICING



POWER CONNECTION

4-WIRE CONNECTION FOR USA & CANADA

3-WIRE CONNECTION FOR USA

THERMOSTAT	TEMPERATURE °F		TEMPERATURE °C		DRUM VOLUME (CuFt)	
	OPEN	CLOSE	OPEN	CLOSE		
OUTLET CONTROL BACKUP	165 + 5-8	155 ± 5	74 + 3-5	68 ± 3	6	7.3
SAFETY INLET CONTROL	215 ± 5	185 ± 7	102 ± 3	85 ± 4	6	-
SAFETY INLET CONTROL	205 + 5-8	175 ± 7	96 + 3-5	80 ± 4	-	7.3
HIGH LIMIT (One Shot Device)	315 ± 8	-31	157 ± 4	-35	6	7.3

THERMISTORS RESISTANCE VALUES AT		
KOHMS	°F	°C
78-82	86	30
98-102	77	25
118-122	69	21

LEGEND

X = CONTACTS ACTIVATED
O= CONTACTS DEACTIVATED
TC= THERMISTOR CONTROLLED

NOTES & LEGEND:

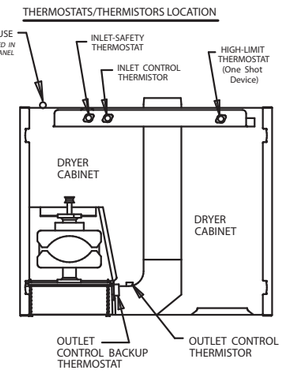
- POINT TO POINT TERMINALS
- GANGED CENTRIFUGAL SWITCH
- >> CONNECTOR JUNCTION
- SCREWS (BONDING AND GROUNDING)
- * COMPONENTS & CIRCUITS IN DASHED LINES, APPLY ONLY FOR MODELS WITH STEAM CYCLES.

ALL RELAYS SHOWN IN POSITION WITH DRYER IN POWER OFF STATE.

XX-YY
XX-WIRE COLOR
YY-WIRE GAUGE

B: BLACK
C: BROWN/WHITE
CY: BROWN/YELLOW
G: GREEN
GY: GREEN/YELLOW
N: NAVY BLUE
R: RED
O: ORANGE
P: PINK
S: GRAY
V: PURPLE
W: WHITE
Y: YELLOW

THERMOSTATS/THERMISTORS LOCATION



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