SERVICE DATA SHEET
is intended for use by lectrical and P/N: 808936613

nis information is intended for use by persons having electrical and mechanical training and a level of knowledge of these subjects generally considered acceptable in the appliance repair trade. Electrolux Home Products North America cannot be responsible, nor assume any liability, for injury or damage of any kind arising from the use of this Service Data Sheet.

FRIGIDAIRE

FGCD2456

After Cancel, press pad Heavy and Fast simultaneously for at least 4 seconds to access Service Mode.

LED Heavy, Led Normal and Led Fast blink to indicate that Service mode is accesed.

After accessed Service mode (Led Heavy, Led Normal and Led Fast blinking):

- 1. Press pad Heavy to show the first alarm code.
- Led Heavy blinks to indicate the machine is in Alarm Reading.
- The first alarm code saved is shown in the display. For descriptions of alarm codes, please see Alarm Codes
- 2. Press pad Heavy again to show the second alarm code.
- 3. Press pad Heavy once more to show the third alarm code.
- Press pad Heavy the fourth time to move to Actuator Test.
 Press pad repeatedly will sequentially turn on one actuator at a time.
- Led Heavy is turned off. led Normal blincks to indicate the machine is in Actuator Test.
- The actuator number is shown in the display, see the following table for details.

Number of pad Heavy pressed	Actuator Number in display	Actuator
4	4	Regeneration Valve
5	5	Drain Pump
6	6	Inlet Valve
7	7	Heater
8	8	Wash pump
9	9	Dispenser
10	10	Dry Fan

- Press pad Heavy when actuator number 10 is activated, the machine will cycle back to Alarm reading and show the first alarm code saved.
- The mode can be exit by pressing the CANCEL button, or waiting 60 seconds after last button pressing.

LED Test/Delete Alarm Memory

After accessed Service mode (Led Heavy, Led Normal and Led Fast blinking):

- 1. Press pad Normal to start this function.
- All LEDS and display blinks 5 seconds on 1 second off.
- Buzzer beeps 5 seconds and then off.
- The alarm codes saved in memory are erased.
- 2. The mode can be exit by pressing the CANCEL button, or waiting 60 seconds after last button pressing.

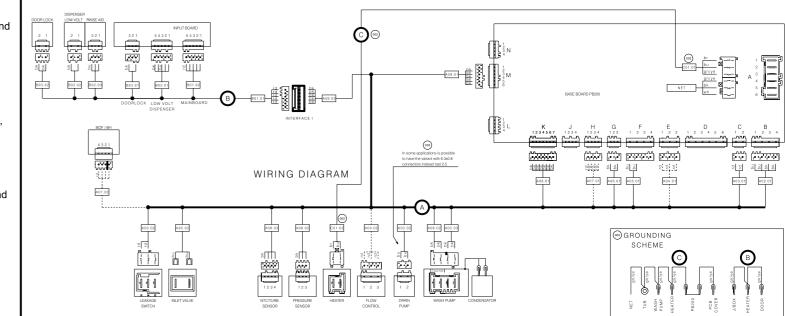
Functional Test cycle

Service Mode

After accessed Service mode (Led Heavy, Led Normal and Led Fast blinking):

- Press pad Fast to start the test cycle. The cycle will not start if door is opened.
- LED Normal blinks all the way through the whole cycle, even if after the cycle is finished
- -The test cycle runs as a normal wash cycle.

 It can be cancelled or run to its end.



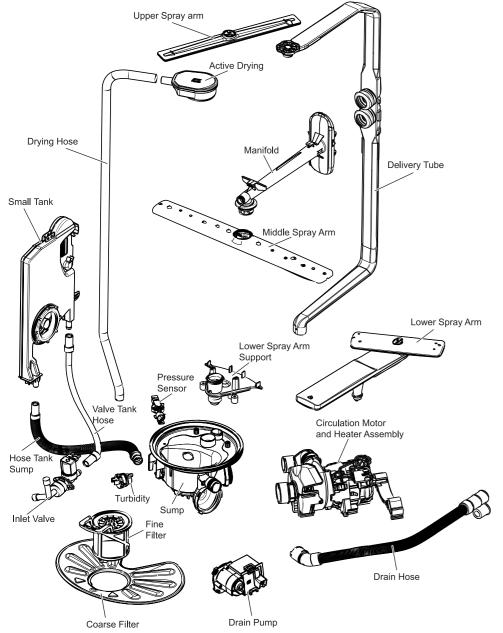
Wiring Diagram

Wire-color Code Color bk black br brown bu blue rd red gn/ye green/yellow Line-style dotted = Component is currently not in use (reserved) dashed = Component is optional

Connections included in WireHarnesses WireHarness Connection WireEnd 01 WireEnd 02 WireEnd 03 WireEnd04 WireEnd 05 DrainPump WashPump LeakageSwitch BaseBoard FlowControl BaseBoard InletValve BaseBoard WashPumpTacho BaseBoard BaseBoard PressureSensor NTC/Turb Sensor BaseBoard Interface I Interface I UserInterface UserInterface Dispenser RinseAid UserInterface Door lock (002) C BaseBoard Heater

Cycle Selection Options	
Minutes 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 13	35 140 145 150 155 160 165
Energy Saver PW1 PW2 PreWash3 PW4 MainWash ColdRinse1 ColdRinse2 HotRinse Dry	
Inlet Valve Circulation Pump	itan ahawa dua ka kha dan andan aa af kunhidika.
Cycles may differ in behaviour from presentat Drain Pump Cycles may differ in behaviour from presentat temperature and user input. E.g. Less/more pl	
Heater Dispenser Dispenser	g
різрепзет — — — — — — — — — — — — — — — — — — —	
Heavy Plus PW1 PW2 PreWash3 MainWash ColdRinse1 ColdRinse2 HotRinse	Ory
Inlet Valve	
Circulation Pump Drain Pump	
Heater He	
Dispenser	
Normal Wash PW MainWash HotRinse Dry	
Inlet Valve	
Circulation Pump Normal Cycle (with light soil)	
Drain Pump Heater	
Dispenser	-
Fast Wash PW MainWash 1 MainWash 2 HotRinse Rinse Only PreWash 1 PreWash 2 Inlet Valve Inlet Valve	Line Test PreWash Inlet Valve
Circulation Pump Circul	Circ. Pump
Drain Pump Drain Pump	Drain Pump
Heater Heater Dispenser Dispenser	Heater Dispenser
Disperiser	Disperser

Exploded View of Wash System



Tub Gasket

The door gasket is pressed into the tub channel | Starting a Cycle Open door, select the cycle and options: then for an interference fit. To install the gasket:

- 1. Press the gasket across the header using your hands.
- 2. Press the gasket while stretching around the corners .

NOTE: There should be no wrinkles or puckers in the corners.

3. Place the gasket end at the bottom and then press the gasket in from the bottom up.

Detergent and Rinse Aid Dispenser

The detergent and rinse aid dispenser is a one piece component consisting of a molded detergent cup and a built-in rinse aid dispenser.

The detergent cup has a spring loaded cover and the rinse aid dispenser has a cover.

Liquid rinse aid is added to the dispenser up to the fill line indicator. The amount of rinse aid released can be adjusted from 1, being the least amount, to 6, being the greatest amount.

To replace dispenser:

- · shut off electricity to dishwasher,
- · remove outer door panel assembly,
- · disconnect wiring to the actuator,
- · remove the six screws,
- remove the dispenser,
- · replace and reinstall screws,
- · rewire actuator.

Display Codes (LED)

LED status indicators located in the center of the Keypad

CLEAN. The LFD labeled "CLFAN" will lit when the cycle is complete

.The LED labeled "SANITIZE will lit SANITIZED. when the sanitization criteria has been

WASHING.. ..The LED labeled "WASHING" will lit when the cycle is running.

Operation

press the "START" pad. The LED over the selected cycle pad will then flash. Close the door and the cycle will begin

> Open door, select the cycle and options; ther press the "DELAY" pad. Each press of the pad will increase the delay time by 1 hour

> > Symptom

Dishwasher will not operate when

(1 to 24 hours).

Selecting a new

cycle or option

Cancelling a Open door, select the "CANCEL" pad then close the door. The unit will then drain and

end the cycle.

options; then press the "START" pad and close the door. The cycle will begin. Locking Controls Open door and hold down the "air dry" pad

Open door, select the desired cycle and

for 3 seconds. The "LOCKED" LED will illuminate and the pads will be unresponsive. To unlock the control hold the "AIR DRY" pad down for 3 seconds normal function will

Alarm Codes/Description

í	Code family	Description	
	i10	Water Tap Closed	
	i20	Draining Problem	
	i30	Aqua Control	
	i40	Analogue pressure sensor problem	
	i50	Washing Motor Problem	
	i60	Heating Element Problem	
	i70	Thermistor problem	
	i80	Auto Door Opener	
-	i90	Configuration Problem	
	iB0	Sensor Problem	
	iC0	Communication problem	
	iD0	Tacho problem	
	iE0	Flow controller problem	
	iF0	Water level problem	

Water Supply

Trouble Shooting Tips

Personal Injury Hazard

Remedy

1. Replace fuse or reset breaker.

Always disconnect the dishwasher from the electrical power source before adjusting or replacing components.

Check the Following

1. Fuse (blown or tripped).

	 Electronic control board defective. No 12 VAC power to control. Motor (inoperative). Door switch (open contacts). Door latch not making contact with door switch. Touch pad circuit defective. No indicator lamps illuminate when 	dishwasher junction box. 3. Replace control board. 4. Replace control board. 5. Replace motor/impeller assembly. 6. Replace latch assembly. 7. Replace latch assembly. 8. Replace console assembly. 9. Replace console assembly.
Motor hums but will not start or run.	START or OPTIONS are pressed. Motor (bad bearings). Motor stuck due to prolonged non-use.	Replace motor assembly. Rotate motor impeller.
Motor trips out on internal thermal overload protector.	Improper voltage. Motor windings shorted. Glass or foreign items in pump.	Check voltage. Replace motor/impeller assembly. Clean and clear blockage.
Dishwasher runs but will not heat.	Heater element (open). Electronic control board defective. Wiring or terminal defective. Hi-Limit thermostat defective.	Replace heater element. Replace control board. Repair or replace. Replace thermostat.
Detergent cover will not latch or open.	Latch mechanism defective. Electronic control board defective. Wiring or terminal defective. Broken spring(s). Defective actuator.	 Replace dispenser. Replace control board. Repair or replace. Replace dispenser. Replace dispenser.
Dishwasher will not pump out.	 Drain restricted. Electronic control board defective. Defective drain pump. Blocked impeller. Open windings. Wiring or terminal defective. Defective Drain Valve. 	1. Clear restrictions. 2. Replace control board. 3. Replace pump. 4. Check for blockage, clear. 5. Replace pump assembly. 6. Repair or replace. 7. Repair or replace.
Dishwasher will not fill with water.	Water supply turned off. Defective water inlet fill valve. Check fill valve screen for obstructions. Defective float switch. Electronic control board defective. Wiring or terminal defective. Float stuck in "UP" position.	Turn water supply on. Replace water inlet fill valve. Disassemble and clean screen. Repair or replace. Replace control board. Repair or replace. Clean or replace float.
Dishwasher water siphons out.	Drain hose (high) loop too low. Drain line connected to a floor drain not vented. Drain valve or pump stuck open.	1. Repair to proper 32-inch minimum height. 2. Install air gap at counter top. 3. Repair or replace.
Detergent left in dispenser.	 Detergent allowed to stand too long in dispenser. Dispenser wet when detergent was added. Detergent cover held closed or blocked by large dishes. Improper incoming water temperature to properly dissolve detergent. Spray arm blocked. Is water getting into unit. 	 Instruct customer/user. Instruct customer/user on proper loading of dishes. Incoming water temperature of 120°F is required to properly dissolve dishwashing detergents. Instruct customer/user. Check fill valve repair or replace.

Note: See "Detergent cover will not latch or open."

Pump Assembly

The circulation pump is driven by a permanent split-capacitor asynchronous induction motor. When looking into the inlet hose, the impeller rotates in the counter-clockwise direction when 120V 60 Hz AC voltage is applied. The motor drives the pump, supplying 100% filtered water at a rate of approximately 17 GPM to all three spray arms at once. At this full-wave mains voltage and flow-rate, the motor speed is approximately 2900

Draining is accomplished by using a smaller, separate, synchronous drain pump motor mounted to the sump. The drain pump is connected to the sump directly.

A rubber check valve flap is inserted at the

discharge end of the drain outlet pipe, which is integrated on the sump.

A raised drain hose loop section is routed on the side of the unit to help prevent/limit back flow out of the dishwasher. No additional such loops are required.

The main circulation pump is removed by disconnecting both attached clamps and hoses, disconnecting the wiring harness to the pump assembly, un-strapping the pump out of the rubber mount in the basement, and disconnecting the running capacitor. Wire harness connections include 2 earth tabs, motor connector, heater connector and the 2 terminals of the running capacitor.

Product Specifications

Electrical

Rating	Suggested minimum incoming water temperature
--------	--