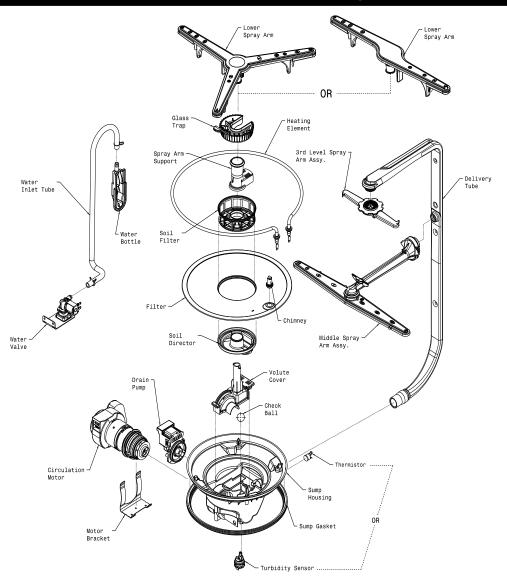
Exploded View of Wash System



Pump Assembly

motor. Rotation is in the counterclockwise direction at 3600 RPM. The motor drives a pump which supplies 100 percent filtered water at a rate of approximately 12 GPM to one spray arm at a time. The spray arm's operation is alternated by small "pauses" of the motor during the wash The main pump can easily be removed by cycle.

Draining is accomplished by using a small separate synchronous drain pump mounted to the side of the sump. The drain pump is connected to the main pump by a small rubber hose. The drain check valve is located at the discharge end of the drain pump. The drain hose

The pump assembly is driven by a synchronous is attached by a worm gear clamp to the discharge end of the drain pump.

> The drain hose must have a loop at a minimum height of 32 inches in order to insure proper drainage.

disconnecting the upper spray arm supply tube hose, the drain pump connector hose, the wiring harness connections made at the circulation motor, the water heat thermistor located on the bottom of the pump and rotating the four sump retainers toward the middle of the sump.

900 Watt Heater

determine when the heater is on during the wash the dry portion of the service test mode. cycle. The heater cycles ON and OFF for brief periods during the drying cycle.

Refer to the cycle chart on the reverse side to Voltage checks of the heater should be made in

Standard Dry Air Flow

dishwasher through the console vent causes cycle. drier air to be drawn into the unit by way of intake

When the control advances to the "dry" portion of vents located at the bottom of the door. The water the cycle, a linear actuator retracts a valve, which on the dishes is evaporated into drier air and the opens a vent path through the console into the venting process continues. The heating element kitchen. The heated, moist air leaving the is turned ON and OFF during the entire drying

Detergent and Rinse Aid Dispenser

The detergent and rinse aid dispenser is a one To replace dispenser: 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 removable

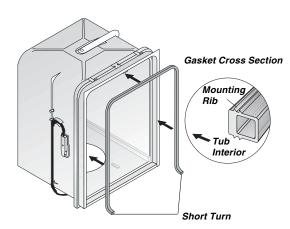
Liquid rinse aid is added to the dispenser up to • rewire actuator. the fill line indicator. The amount of rinse aid released can be adjusted by turning the arrow indicator from one, being the least amount, to four, being the greatest amount.

- 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,

Tub and Door Seal

The door seal is pressed into the tub channel for without stretching or bunching. The gasket take

an interference fit. Center the gasket (marked on a short turn at the bottom of the tub channback) at the tub top center and press in place before ending at the channel end wall.



Product Specifications Electrical

Rating120 Volts, 60 Separate Circuit15 amp min 20 amp m	
Motor (Amps)	
Heater Wattage9	
Total Amps (load rated) 10	0.0
TempAssure 140°F ±5	
(60°C±3°C) [with outer door in pla	
TempBoost145°F ±5°F (63°C ±3°	°C
Heated Wash/Heated Rin	
Sanitize 155°F ±5°F (66°C ±3°	
Hi-Limit Thermostat 200°F (93°	°C

Water Supply

Suggested minimum incoming water
temperature 120°F (49°C)
Pressure (PSI) min./max 20/120
Connection (NPT) ³ / ₈
Consumption (Normal Cycle)
4.9 - 9.7 U.S. gal., 18.5 - 36.7 liters
Water valve flow rate (U.S. GPM)
Water recirculation rate (U.S. GPM)
approx. 12
Water fill time 87 sec.

Trouble Shooting Tips

AWARNING

Personal Injury Hazard

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

Symptom	Check the Following	Remedy
Dishwasher will not operate when turned on.	1. Fuse (blown or tripped). 2. 120 VAC supply wiring connection faulty. 3. Electronic control board defective. 4. Motor (inoperative). 5. Door switch (open contacts). 6. Door latch not making contact with door switch. 7. Touch pad circuit defective. 8. No indicator lamps illuminate when START or OPTIONS are pressed.	1. Replace fuse or reset breaker. 2. Repair or replace wire fasteners a dishwasher junction box. 3. Replace control module. 4. Replace motor/impeller assembly. 5. Replace latch assembly. 6. Replace latch assembly. 7. Replace console assembly. 8. Replace console assembly.
Motor hums but will not start or run.	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 module. Repair or replace. Replace thermostat.
Detergent cover will not latch or open.	1. Latch mechanism defective. 2. Electronic control board defective. 3. Wiring or terminal defective. 4. Broken spring(s). 5. Defective actuator.	 Replace dispenser. Replace control module. 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.	 Clear restrictions. Replace control module. Replace pump. Check for blockage, clear. Replace pump assembly. 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 module. Repair or replace. Clean float.
Dishwasher water siphons out.	Drain hose (high) loop too low. Drain line connected to a floor drain not vented.	Repair to proper <i>32-inch minimum height</i> . Install air gap at counter top.
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.	Instruct customer/user. Instruct customer/user. Instruct customer/user on prope loading of dishes. Incoming water temperature of

4. Improper incoming water

temperature to properly dissolve

5. See "Detergent cover will not open."

Incoming water temperature of

120°F is required to properly dissolve dishwashing detergents.

FRIGIDAIRE P/N: 154595301 SHEE ATA RVIC

This 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. The manufacturer or seller cannot be responsible, nor assume any liability, for injury or damage of any kind arising from the use of this Service Data Sheet.

Ш

Color Code

BK. . Black BU.. ..Blue PK.. ..Pink ...Red R... R-BK. ..Red/Black R-Y... ..Red/Yellow VIO.. ..Violet W... ..White

To start Close and latch door. Press START/CANCEL pad.

To delay start Close and latch door. Press DELAY START pad to select desired

To select a new

cycle or option . . . Press desired cycle and/or option pad. The indicator lights will change. Press START/CANCEL within 15 seconds to begin cycle.

To cancel cycle . . Press START/CANCEL. Dishwasher will drain for 90 seconds, then shut off.

Operation

A WARNING

Disconnect electrical power at the fuse box or circuit breaker box before servicing under this product. Electrical power may be present on some parts under this product, even if not in use.

Failure to follow this warning could result in serious injury or death.

Display Codes (LED)

WASHING --SANITIZED -Wash portion of cycle.
 The SANITIZED criteria has been met. Indicator light will switch off when door is opened.

DRYING -- Drying portion of cycle.

CLEAN ------Shows completion of cycle. Indicator light will switch off when door is opened.

OPTION LED's Flashing ñ All LED's flashing indicates power failure has occurred. Press START/CANCEL pad and reselect desired options and cycle. STATUS LED's Flashing -- The STATUS LED's that are lit when the door is opened will flash. Close door.

Wiring Diagram BI T 쑮 FLOAT SWITCH HI-LIMIT IERMOST NEUT W 뽔 MOTOR

Water/Service Test

The water/service test is a special function initiated from the power failure mode or idle

While in power failure mode - simultaneously press the HEAT DRY and START/CANCEL pads for 30 seconds.

The dishwasher will then step through the test cycle per the chart. Pushing the START/CANCEL pad will advance the dishwasher to the next step.

While in idle mode - simultaneously press the HI TEMP and START/CANCEL pads for 3 seconds.

	STEP		TOTAL TIME (SEC)	WATER VALVE	CIRCULATION MOTOR	DRAIN MOTOR	HEATER	DISPENSER	VENT*	WASHING LED	SANITIZED LED	DRYING LED	CLEAN LED				
	1	FILL/DISPENSER	60	1	0	0	0	1	1	1	0	0	0				
	2	FILL	27	1	0	0	0	0	1	1	0	0	0				
	3	WASH/HEAT	60	0	1	0	1	0	1	1	0	0	0				
	4	PAUSE/HEAT	0.4	0	0	0	1	0	1	1	0	0	0				
•	5	WASH/HEAT	75	0	1	0	1	0	1	0	0	0	0				
	6	WASH/HEAT/DISP.	60	0	1	0	1	1	1	0	0	0	0				
.	7	DRAIN	90	0	0	1	0	0	1	0	0	0	0				
'	8	DRAIN/DRY HEAT ON	90	0	0	1	χ	0	0	0	0	1	0				
		TOTAL	488							0	1	0	1				
							X - denotes selectable option										
			CLI	EAN	LED	D stays on until door is opened or cycle is started.											

Cycle Selection Options

Minutes	<u> </u>		<u> </u>	шшш	<u></u>		<u> </u>		шшш				шш					Minutes			ш	
Pots & Pans	Pre-Wash 1	Pre-Wash 2	Pre-V	Wash 3	Main Wash		Rinse 1 Rinse 2		inse 2	Rinse 3	Fir	nal Rinse		Dry				Rinse Only	Rinse 1	Rinse 2		
Water Valve			I	1			- 1												Water Valve		_	П
Wash Motor														ı					Wash Motor			П
Drain Motor				,e*															Drain Motor			П
Heater																			Heater			П
Dispenser					-														Dispenser			ヿ
																						\neg
Normal (HT)	Pre-Wash 1	Pre-Wash 2	Pre-Wash 3	Pre-W	lash 4	1	Main Wash		Rinse 1	Rinse 1 Final Rinse			Dry									П
Water Valve		a a			1			1		1	•											- 1
Wash Motor										ı .												
Drain Motor	Drain Motor																					
Heater										ı [
Dispenser																						
Normal	Pre-Wash 1	Pre-Wa	ash 2			Main Wash		Fi	nal Rinse		Dry	∐	Light Wash	Pre-Wash 1	Main Wash		Rinse 1	Final Rinse		Dry		_
Water Valve		1		4			I					∐	WaterValve			I	■ 1					
Wash Motor]	Wash Motor									
Drain Motor			1				2][Drain Motor									
Heater	der]	Heater														
Dispenser]	Dispenser									
]										\neg
Minutes	Minutes 5 10 15 20 25 30 35 40 45 50 55 60		65	70 75	75 80 85 90 95 100			Minutes	5	10 15 20 2	30 35	40 45	50 55 60	65 70 75	80	85 90	95 					