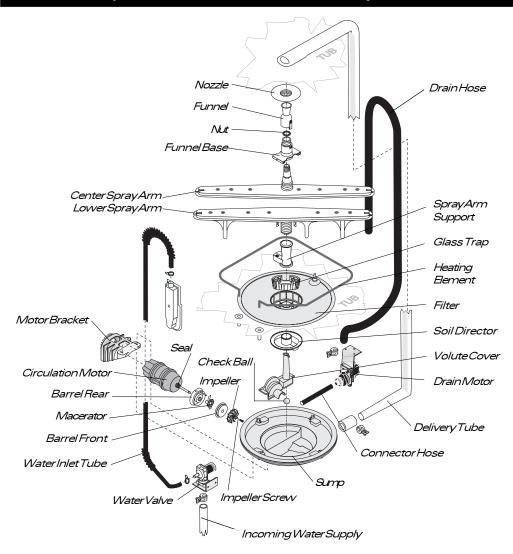
Exploded View of Wash System



PumpAssembly

The pump assembly is driven by a 1/12 HP, shaded pole motor. Rotation is in the counterclockwisedirectionat3100to3200RPIM. The motor drives a pump which supplies 100 percent filtered water at a rate to approximately 12GPM to one spray arm at a time. The spray arm's operation is alternated by small "pauses" ofthemotorduringthevvashcycle.

Draining is accomplished by using a small separatesynchronousdrainpumpmountedto the side of the sump. The drain pump is connected to the main pump by a small rubber hose. The draincheckvalveislocatedattheentrancetothe drain pump. The drain hose is attached by a wormgearclamptothedischargeofthedrain pump. The drain is then routed up the side of the dishwasherandattachedtothesideofthetub. This drain loop in sures that an air pocket cannot form near the drain pumpand cause the pump to

airlock. The drain loop on the side of the tub must bekept in place after servicing.

The main pump can easily be removed by disconnecting the upper sprayarm supply tube, the drain pump connector hose, and the wiring harness connections made at the circulation motorandthevvaterheatthermostatslocatedon thebottomofthepump.

Oncethepumpassemblyisremovedfromthe dishwasher,themotor/impellerassemblycanbe removedfromthesumpbytakingoutthethree (3)T-20Torx head screws from the aluminum motorbracket and then the three (3) T-20 Torx headscrevvsfromthevolutecover. Using a large flat head screwdriver inserted between the impellerscrevvandthesump'svolute,themotor/ impellerassemblycan begentlypried out of the sump. Usethescrewdriverasalever.

900WattHeater

determinewhentheheaterisonduringthewash cycle. The heater cycles ON and OFF for brief periodsduringthedryingcycle.

 $Refer to the {\it cycle chart on the reverse side to} \quad Voltage {\it checks of the heater should be made}$ withthetimersetinthemainwash.

Standard Dry Air Flow

When the control advances to the "dry" portion of thecycle, a linear actuator retracts a valve, which opensavent paththrough the console into the kitchen. This venting method eliminates discharging heated moisture into the motor compartment. The heated, moist air leaving the dishwasherthroughtheconsoleventcauses drierairto bedravvn into the unit by way of intake vents located at the bottom of the door. The wateronthedishesisevaporated into drierain and the venting process continues. The heating element is turned ON and OFF during the entire dryingcycle.

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 removable cover.

Liquid rinse aid is added to the dispenser up to 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.

To replace dispenser:

- · shutoffelectricitytodishwasher,
- removeouterdoorpanelassembly,
- · disconnectwiring to the actuator,

Power Dry Air Flow

The Power Dryconfiguration is the same as the Standardexceptithasacrossflowblowerlocated intheairdischargepath. The blovver assists the heating element in producing power to drive the moistairoutofthedishwasher.

· removethesix screvvs,

- removethedispenser,
- replaceand reinstall screws,
- revvireactuator.

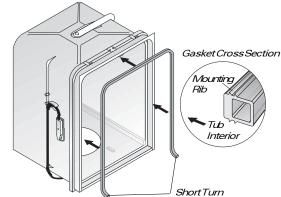
To replace actuator:

- shutoffelectricitytodishvvasher,
- disconnectwiring to the actuator,
- place a flat head screwdriver under the actuatorbody and between the dispenser housing and terminal side, twist and lift up on the actuator being careful not to damage theretainersnap-fits,
- replacewith new actuator by pressing into place.
- revvireactuator.

Tub and Door Seal

The door seal is pressed into the tube channel for without stretching or bunching. The gasket takes back) at the tub top center and press in place before ending at the channel end wall.

an interference fit. Centerthe gasket (marked on a short turn at the bottom of the tub channel



Product Specifications

Rating120Volts, 60Hz SeparateCircuit15ampmin20ampmax.
Motor(HP) ¹ / ₁₂
Motor(Amps)
HeaterWattage
TotalAmps(loadrated) 11.0
TempAssure
(53°C±3°C) [withouterdoorinplace]
TempBoost
Heated Wash/Heated Rinse

WaterSupply

Suggestedminimumincomingvvater
temperature
Pressure (PSI) min./max
Connection (NPT) 3/g"
Consumption (Normal Cycle)
6.0U.S.gal.,5.0Imp.gal.,22.7liters
Watervalveflovvrate(U.S.GPM)
Waterrecirculation rate (U.S.GPM)
approx. 12
Waterfilltime 87 sec.

TroubleShootingTips

AWARNING

Personal Injury Hazard

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

Symptom	Check the Following	Remedy
Dishwasherwill not operate when turned on (wait at least 90 seconds).	Fuse(blownortripped). 120VACsupplywiringconnection faulty. Timer (contacts open or defective) Motor (inoperative, check resistances).	 Replacefuseorreset breaker. Repair or replacewire fasteners a dishwasherjunctionbox. Replace timer. Replace motor/impeller assembly.
	Door switch (open contacts). Door latch not making contact with door switch.	5. Replacedoorswitch.6. Replacelatchassembly.
	7. Selector switch (open contacts).	7. Replace selectors witch.
Motor hums but will not start or run.	Motor (bad bearings or locked rotor). Motor stuckdue to prolonged non-use.	Replacemotor. Rotatemotorfanorimpeller.
Motor trips out on internal thermal overload protector.	Impropervoltage. Sealfacesbinding.	Checkvoltage. Rotate motor fan or impeller, o replace.
	3. Motorshaftbinding.4. Motorwindingsshorted.5. Glassorforeignitemsinpump.	 Clear blockage or replace. Replace motor/impeller assembly. Clean and clear blockage.
Dishwasher runs but will not heat.	1. Heaterelement(open). 2 Timerdefective. 3 Wiringorterminaldefective. 4 Hi-limitthermostatdefective.	Replace heater element. Replace timer. Repair or replace. Replace thermostat.
Detergent cover will not latch or open.	Latchmechanismdefective. Timercontactdefective. Wiringorterminaldefective. Brokenspring(s). Defectiveactuator.	 Replacedispenser. Replacetimer. Repairorreplace. Replacedispenser. Replaceactuator.
Dishwasher will not pumpout.	 Drainrestricted. Timercontactdefective. Defectivedrainpump. Airlockindrainhose. Blockedimpeller. 	 Clear restrictions. Replacetimer. Replacepump. Makesure hose is attached in proper position on side of tub. Check for blockage, clear.
Dialogo a alagung ill page fills vietas y setar	Openwindings. Water supply turned off.	6. Replacewindings.
Dishwasherwill not fill with water.	 Defective water in let fill valve. Check fill valve screen for obstructions. Defective float switch. Timer contact defective. Wiring defective. 	 Turnwatersupplyon. Replacewater inlet fill valve. Disassembleand clean screen. Repair or replace. Replacetimer. Repair or replace.
	7. Float stuckin "UP" position.	7. Cleanfloat.
Timer does not advance.	 Timer motor (stalled or open.) Check timer for power to timer motor. Timer shaft binding to or knob interference with escutcheon. TempBoost thermostat defective. 	 Replacetimer. Repairorreplacetimer. Repairoradjust. Replace or adjust position o thermostat.
Dishwasherwatersiphonsout.	Drainhose(high)looptoolow. Drainlineconnected to a floor drainnot vented.	Repairto properheight. Installairgapatcountertop.
	Drain hose not connected to side oftub.	3. Reattachdrainhose.
Detergent left in dispenser.	Detergentallowed to stand too long in dispenser.	Instructcustomer/user.
	 Dispenserwetwhendetergentwas added. Detergentcover held closed or blocked by largedishes. Improper incoming water 	 Instruct customer/user. Instruct customer/user on prope loading of dishes. Incoming water temperature of 1201
	temperature to properly dissolve detergent. 5. See "Detergent cover will not open."	is required to properly dissolve dishwashingdetergents.

SERVICE DATA SHEET

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. Frigidaire Company cannot be responsible, nor assume any liability, for injury or damage of any kind arising from the use of this Service Data Models: FDB636, FDB679

P/N: 154279801

FRIGIDAIRE

Color Code

BK Black	OOrange	R-BKRed/Black
BK-W Black/White	O-BKOrange/Black	R-WRed/White
BK-YBlack/Yellow	O-WOrange/White	R-YRed/Yellow
BRBrown	PKPink	VIOViolet
BR-WBrown/White	PK-BKPink/Black	WWhite
BUBlue	PK-WPink/White	YYellow
BU-O Blue/Orange	RRed	Y-BKYellow/Black

Timer Block

