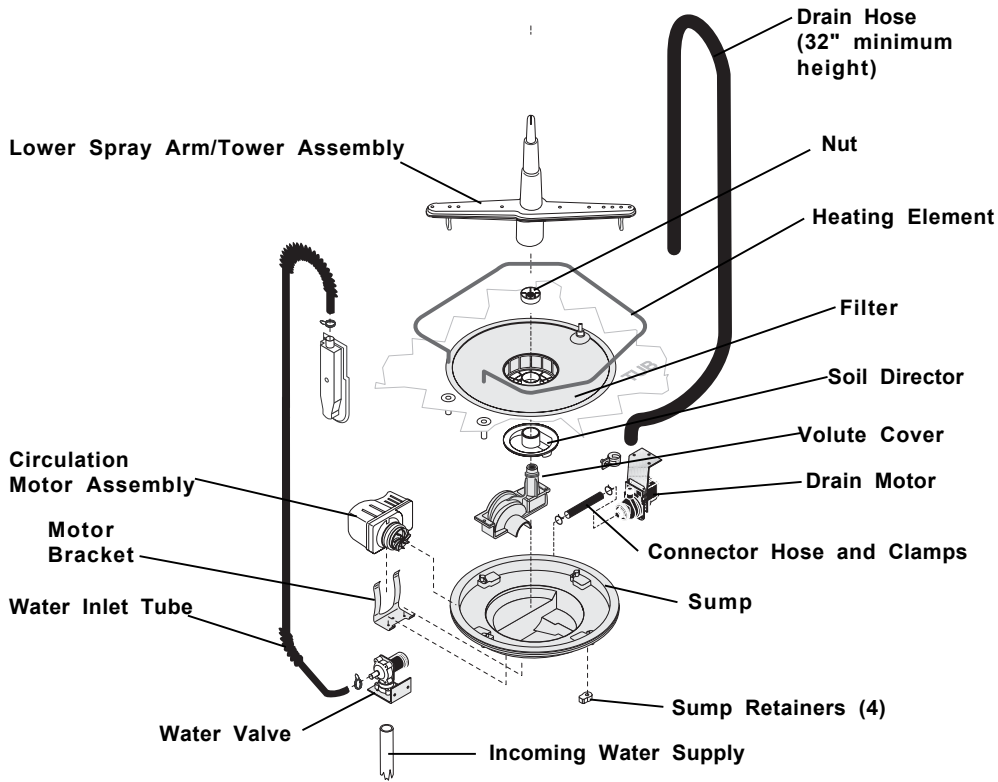


Exploded View of Wash System



Pump Assembly

The pump assembly is driven by a synchronous motor. Rotation is in the counterclockwise direction at 3600 RPM. The motor drives a pump which supplies 100 percent filtered water at a rate to approximately 12 GPM.

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 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.

The main pump can easily be removed by disconnecting the drain pump connector hose and the wiring harness connections made at the circulation motor and rotating the four sump retainers toward the middle of the sump.

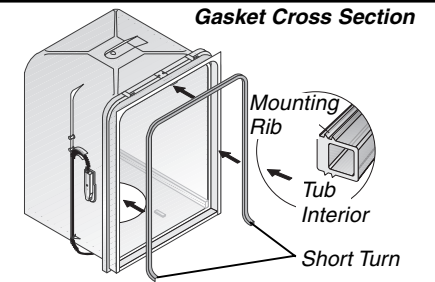
900 Watt Heater

Refer to the cycle chart on the reverse side to determine when the heater is on during the wash cycle.

Voltage checks of the heater should be made with the timer set in the main wash.

Tub and Door Seal

The door seal is pressed into the tub channel for an interference fit. Center the gasket (marked on back) at the tub top center and press in place without stretching or bunching. The gasket takes a short turn at the bottom of the tub channel before ending at the channel end wall.



Product Specifications

Electrical

Rating 120 Volts, 60Hz
 Separate Circuit ... 15 amp min.- 20 amp max.
 Motor (Amps) 1.1
 Heater Wattage 900
 Total Amps (load rated) 10.0

Water Supply

Minimum incoming water temperature 120°F (49°C)
 Pressure (PSI) min./max. 20/120
 Connection (NPT) 3/8"
 Consumption (Normal Cycle) 7.2 gal., 27.3 liters

Trouble Shooting Tips

⚠ WARNING



Electric Shock Hazard

Disconnect electrical power at the fuse box or circuit breaker box before adjusting or replacing components. Failure to follow this warning could result in death or serious injury.

Check the list below each symptom. Repair or replace defective components as encountered.

Symptom. . .Dishwasher will not operate when turned on (wait at least 90 seconds).

1. Fuse (blown or tripped).
2. 120 VAC supply wiring connection faulty.
3. Timer (contacts open or defective)
4. Motor (inoperative).
5. Door switch (open contacts).
6. Door latch not making contact with door switch.
7. Selector switch (open contacts).

Symptom. . .Motor hums but will not start or run.

1. Motor (bad bearings or locked rotor).
2. Motor stuck due to prolonged non-use.

Symptom. . .Motor trips out on internal thermal overload protector.

1. Improper voltage.
2. Motor shaft binding.
3. Motor windings shorted.
4. Glass or foreign items in pump.

Symptom. . .Dishwasher runs but will not heat.

1. Heater element (open).
2. Timer defective.
3. Wiring or terminal defective.

Symptom. . .Dishwasher will not pump out.

1. Drain restricted.
2. Timer contact defective.
3. Defective drain pump.
4. Air lock in drain hose.
5. Blocked impeller.
6. Open windings.

Symptom. . .Dishwasher will not fill with water.

1. Water supply turned off.
2. Defective water inlet fill valve.
3. Check fill valve screen for obstructions.
4. Defective float switch.
5. Timer contact defective.
6. Wiring defective.
7. Float stuck in "UP" position.

Symptom. . .Timer does not advance.

1. Timer motor (stalled or open.)
2. Check timer for power to timer motor.
3. Timer shaft binding to or knob interference with escutcheon.

Symptom. . .Dishwasher water siphons out.

1. Drain hose (high) loop too low--must be a minimum height of 32 inches.
2. Drain line connected to a floor drain not vented. (Install air gap at counter top.)

SERVICE DATA SHEET

P/N: 154521601

Models: 587.1401*400

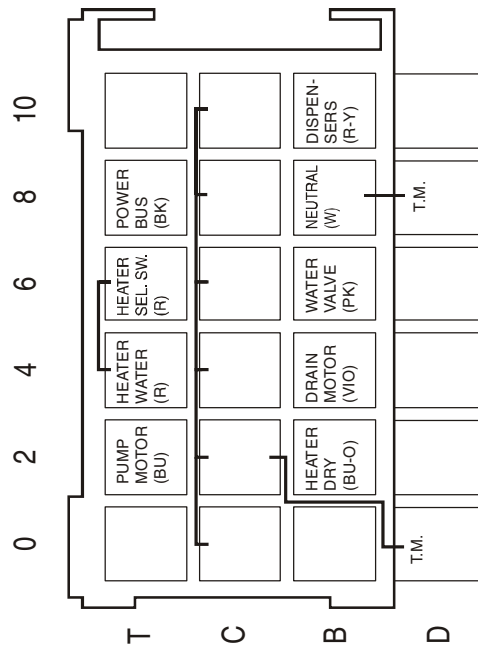
*= Color Number

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.

Color Code

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

Timer Block



Cycle Chart

	DETTENT	WASH MOTOR	DRAIN MOTOR	FILL VALVE	HEATER WASH	HEATER DRY	DISPENSER	TIMER MOTOR	PWR BUSS	TIME IN MINUTES	INTERVAL DURATION SECONDS
										102	100
										99	100
										97	200
										94	200
										91	200
										87	200
										84	100
										82	200
										79	200
										76	100
										74	2
										74	98
										72	100
										71	100
										69	100
										67	88
										66	92
										64	8
										64	3
										64	97
										62	100
										61	100
										59	100
										57	100
										56	88
										54	92
										53	8
										53	3
										53	97
										51	300
										46	300
										41	300
										36	100
										34	88
										33	92
										31	8
										31	3
										31	97
										30	100
										28	100
										26	100
										25	88
										23	92
										22	8
										21	3
										21	97
										21	100
										20	100
										18	100
										16	88
										15	92
										13	8
										13	100
										12	100
										10	88
										8	92
										7	8
										7	100
										5	100
										3	88
										2	95
		2T	4B	6B	4T	2B	10B	2C	8T		
	BU	VIO	PK	R	BU-O	R-Y	O	2C	BK		

Wiring Diagram

