COLC	DR CODE	OPERATION	
P/N: A21520601 Rev. A P/N: A21520601 Rev. A Artwork: A21520601 Rev. A Brownk: A	Yellow Black Blue Pink Red Violet White Yellow/BK Red/Yellow Black/White Red/White Brown	The dishwasher responds to user inputs only when its door is open.CleanTo select a new cycle or option:Press to select desired cycle and/or option (indicator lights will change).Water to the	an nitize Ishing
	WATER/SERVICE T	TEST WIRING	DIA
Service Test , cycle the circuit breaker to put the use philance subjects generation is information in the appliance and these subjects generation in the appliance of the chart. If START/CANCEL. The dishwasher will then step through the test cycle per the chart. If START/CANCEL is pressed during the test the current step is terminated and the test advances to the next cycle per the chart. If START/CANCEL is pressed during the test the current step is terminated and the test advances to the next cycle step.	LagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLagLa	w HEATER Matter Vayle w HEATER Matter Vayle w Horis Harter w Heater Harter Vayle Montor Circulation Motor Harter Vayle Montor I I I Washing LED Montor I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I	120 VAC
		CYCLE SELECTION OPTIONS	
Minutes 5 10 15 Normal (Heavy Soils) Pre-Wash 1 Pre-Wash 2 Water Valve Image: Circulation Motor Image: Circulation Motor Drain Motor Image: Circulation Motor Image: Circulation Motor Heater Image: Circulation Motor Image: Circulation Motor Vent Image: Circulation Motor Image: Circulation Motor	20 25 30 35 40 Pre-Wash 3	40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 Main Wash Rinse 1 Final Rinse Dry 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NOT 1. Ir w re 2. If
Normal (Extra-light Soils) Pre-Wash 1	Main Wash	Final Rinse Dry	
Water Valve Image: Constraint of the second of the secon			tł ru a: re h
Quick Wash (Heated Dry) PW 1 PW 2 Main Wa Water Valve I I I Circulation Motor I I I Drain Motor I I I Heater I I I Dispenser I I I Vent I I I Minutes 5 10 15	sh Final Rinse Dry I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I	Note: Sector 1 Note:	- 3. Ir - tł -

DISPLAY CODES (LED)

Displayed to indicate the cycle is complete Displayed to indicate sanitiziation was achieved Displayed to indicate dishwasher is in the washing phase.

GRAM



ΓE:

In all cycles except Rinse Only and Quick Wash, the main wash and final rinse may be lengthened when needed to reach optimal wash temperatures.

f Normal Wash is the first cycle run after applying power, the heavy soil response shown here will result. Thereafter, the sensor will be calibrated. The cycle will hen automatically adjust to the amount of food soil by unning only as many of the pre-washes or pre-rinses is appropriate. Normal Wash will run the extra-light soil esponse shown here when run empty or with dishware having extra-light or no soil are installed.

n the Quick Wash and Rinse Only cycles it is normal for he circulation pump to pulse during fills.

EXPLODED VIEW OF WASH SYSTEM



Standard Dry Air Flow

The heating element at the bottom of the tub, the vent fan assembly at the top right rear of the tub and the static vent on the left side of the tub are used to dry dishware. During the drying portion of the cycle the heater, the solenoid that opens the vent's damper and the vent fan are energized. The vent fan draws in cooler, drier air from outside the

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.

To re-fill, remove the cap and poor rinse aid in until the level shows above the bottom of the cylindrical opening and the sight gauge changes appearance. If any is spilled wipe it up before starting the cycle. The amount of rinse aid released

Tub and Door Seal



Product Specifications

Electrical

Rating	20 Volts, 60Hz
Separate Circuit	15 amp min
	-20 amp max.
Motor (Amps)	1.8
Heater Wattage	900
Total Amps (load rated)	10.0
TempAssure 140°F+5	°F (60°C+3°C)
[with outer	door in place]
TempBoost 145°F+5	°F (63°C+3°C)
Heated Wash	/Heated Rinse
Sanitize 150°F+5	°F (66°C+3°C)
Hi-Limit Thermostat	.200°F(93°C)

tub and pushes it down into the tub. Hot air escapes through the static vent into the kitchen while condensed water runs into the drain portion of the dishwasher. Energy from the heating element warms the incoming air and augments the energy stored in the dishware. Together their energy causes the water on the dishware to evaporate.

replacing components.

Symptom

Dishwasher will not operate when turned on.

Motor hums but will not start or run.

remover outer door panel assembly,

disconnect wiring to the actuator, •

can be adjusted by turning the arrow

shut off electricity to dishwasher,

Line up the center mark on the back of the seal with the tub top center and press it

into the channel. Move along the channel

left and right periodically pressing the seal

into place without bunching or stretching it until going around the corners at the top. Next, place the free ends into the channel at the bottom left and right by creating

a short turn at the bottom of the tub

channel and ensuring the seal extends to

the locator ridge at the bottom of the tub

(see enlarged portion of the image at left).

Finally slide your fingers over the seal to

press it fully in place. When complete a

single face of the seal should be visible

and flush with the edge of the channel.

Then, press the seal periodically into place.

indicator from one, being the least

amount, to four, being the greatest

- remove the six screws.
- remove the dispenser,

To replace dispenser:

amount.

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- replace and reinstall screws,
- rewire actuator.

Motor trips out on internal thermal overload protector.

Dishwasher runs but will not heat.

Detergent cover will not latch or open.

Dishwasher will not pump

Dishwasher will not fill with

Dishwasher water siphons out

Detergent left in dispenser.

Pump Assembly

The pump assembly is driven by an asynchronous motor. Rotation is in the counterclockwise direction at up to in order to insure proper drainage. 2900 RPM. The motor drives a pump which supplies 100 percent filtered water at a rate of approximately 8 GPM to one spray arm at a time. The spray arm's operation is alternated by small "pauses" of the motor during the wash cycle.

Draining is accomplished by using a small separate synchronous drain pump mounted to the side of the sump. 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 To remove the main circulation

(circ) pump do the following in sequence: Shut off electricity to the dishwasher. Disconnect the wiring harness connections located at the circ pump's motor. Remove the two screws that hold the motor bracket. Slide the motor bracket away from the sump. The motor and pump, now held only by friction against O-rings, can be pulled out of the sump.

	Trace Suppry
s, 60Hz	Suggested minimum incoming water
mp min	
np max.	Pressure (PSI) min./max20/120
1.8	Connection
900	3/4" Hose Thread Fitting
10.0	Consumption
°C+3°C)	(Normal Cycle) 4.9 - 9.7 U.S. gal.,
n nlace]	18.5 - 36.7 liters
	Water valve
(13.0)	flow rate (U.S.GPM)
a Rinse	Water recirculation
°C+3°C)	
= (ຊາງດັ່ງ	(U.S. GPM) approx. 12
(55 C)	Water fill time

Water Supply

out.

TROUBLESHOOTING TIPS

Personal Injury Hazard

Always disconnect the dishwasher from the electrical power source before adjusting or

Check the Following			Remedy		
1. 2. 3. 4. 5. 6. 7. 8. 9.	Fuse (blown or tripped). 120 VAC supply wiring connection faulty. 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 START or OPTIONS are pressed.	1. 2. 3. 4. 5. 6. 7. 8. 9.	Replace fuse or reset breaker. Repair or replace wire fasteners at dishwasher junction box. Replace control board. Replace control board. Replace motor/impeller assembly. Replace latch assembly. Replace latch assembly. Replace console assembly. Replace console assembly. Replace console assembly.		
1. 2.	Motor (bad bearings). Motor stuck due to prolonged non-use.	1. 2.	Replace motor assembly. Rotate motor impeller.		
1. 2. 3.	Improper voltage. Motor windings shorted. Glass or foreign items in pump.	1. 2. 3.	Check voltage. Replace motor/impeller assembly. Clean and clear blockage.		
1. 2. 3. 4. 5.	Heater element (open). Electronic control board defective. Wiring or terminal defective. Hi-Limit thermostate defective. Thermistor failure.	1. 2. 3. 4. 5.	Replace heater element. Replace control board. Repair or replace. Replace thermostat. Replace turbidity sensor.		
1. 2. 3. 4. 5.	Latch mechanism defective. Electronic control board defective. Wiring or terminal defective. Broken spring (s). Defective actuator.	1. 2. 3. 4. 5.	Replace dispenser. Replace control board. Repair or replace. Replace dispenser. Replace dispenser.		
1. 2. 3. 4. 5.	Drain restricted. Electronic control board defective. Defective drain pump. Blocked impeller. Open windings. Wiring or terminal defective.	1. 23. 4. 5. 6.	Clear restrictions. Replace control board. Replace pump. Check for blockage, clear. Replace pump assembly. Repair or replace.		
1. 2. 3. 4. 5. 6. 7.	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.	1.2.3 4.5.6.7.	Turn water supply on. Replace water inlet fill valve. Disassemble and clean screen. Repair or replace. Replace control board. Repair or replace. Clean float.		
1. 2.	Drain hose (high) loop too low. Drain line connected to a floor drain not vented.	1. 2.	Repair to proper 32-inch minimum height. Connect to a vented drain.		
1.	Detergent allowed to stand too	1.	Instruct customer/user		
2.	Dispenser wet when detergent was added.	2.	Instruct customer/user		
3. 4. 5.	Detergent cover held closed or blocked by large dishes. Improper incoming water temperature to properly dissolve detergent. See "Detergent cover will not open".	3. 4.	Instruct customer/user on proper loading of dishes. Incoming water temperature of 120°F is required to properly dissolve dishwashing detergents.		