



# Alpha FreshTrac™ Decanter Brewer

## TROUBLESHOOTING GUIDE



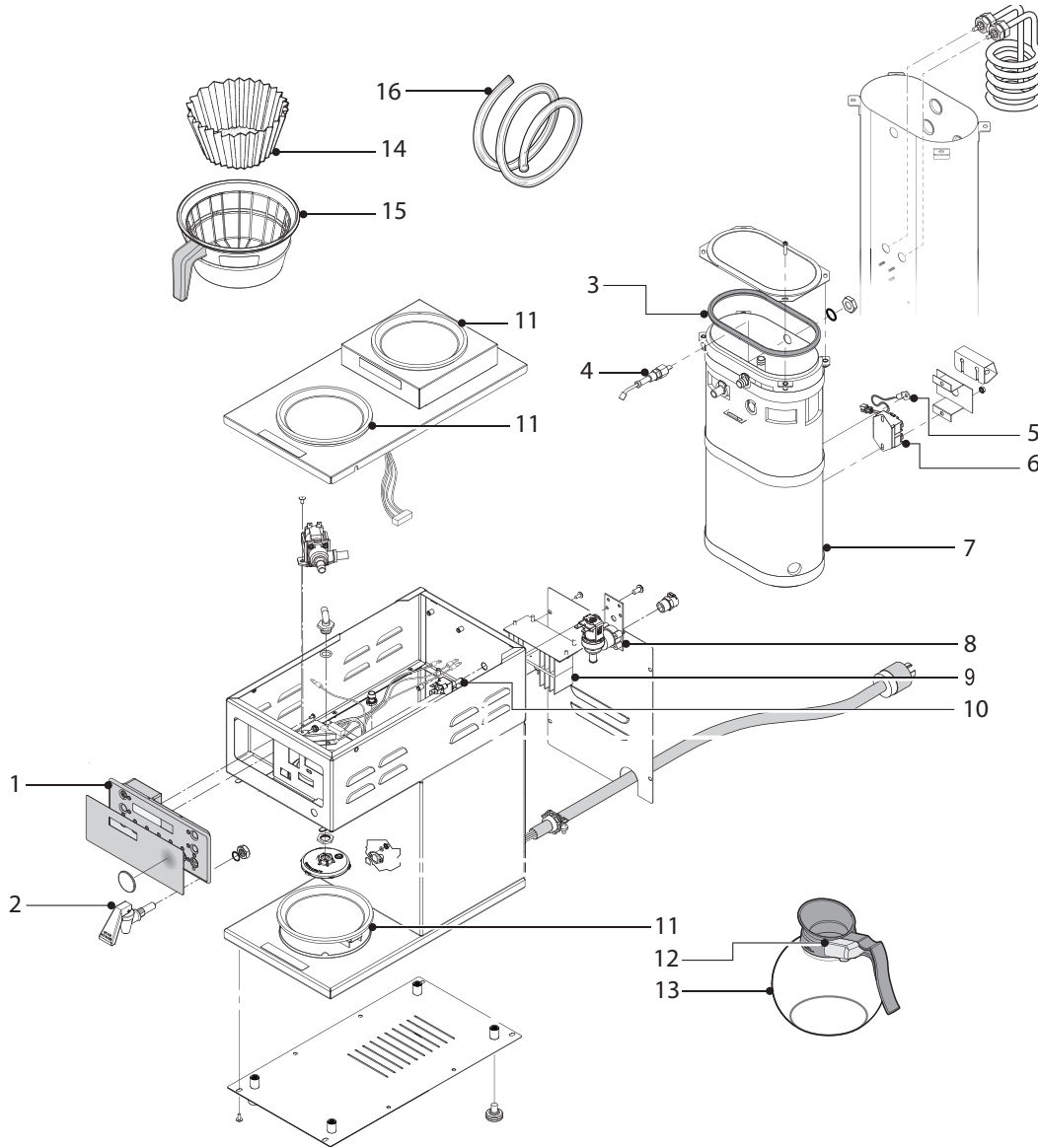
**ALP3GT15A826**

McDONALD'S Alpha Decanter Coffee Brewer  
with FreshTrac™ Technology





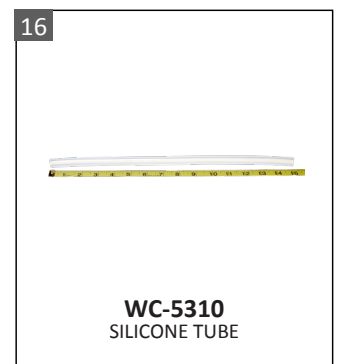
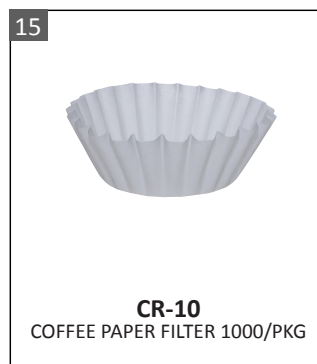
# BREWER PARTS IDENTIFICATION



ITEM #	PART #	DESCRIPTION	ITEM #	PART #	DESCRIPTION
1	WC-774-108	CONTROL MODULE, FRESH TRAC MCDONALDS ALP	10	WC-103	SWITCH, TOGGLE DPST 25A 125/250VAC RESISTIVE
2	WC-1809	FAUCET, PS/HSP SERIES HOT WATER 1/2-20 UNF	11	WC-972-102	WARMER, ASSY COMPLETE 100W 120V W/TBNG SEALANT
3	WC-43062	GASKET, TANK LID	12	WC-10011	RECEIVER ASSEMBLY 3 LEDs FRESH -TRAC MCDONALDS DECANTER
4	WC-5527K	KIT, PROBE WATER LEVEL O-RING & NUT	13	70517430303	DECANTER, GLASS CURTIS FRESH-TRAC REG BLACK
5	WC-1438-101	SENSOR, TEMPERATURE TANK	13A	70517430103	DECANTER, GLASS CURTIS FRESH-TRAC DECAF ORANGE
6	WC-522	THERMOSTAT, HI LIMIT HEATER DPST 277V-40A	14	WC-3316	BREW CONE ASSY, w/HANDLE 7.1" DIA.
7	WC-6267	TANK, COMPLETE ALP-DS/G3 220V	15	CR-10	FILTER, PAPER COFFEE #506 1000/PKG
8	WC-826L	VALVE, INLET 1 GPM 120V 10W ALP/AP/TLP GREY BODY	16	WC-5310	TUBE, 5/16 ID X 1/8 W SILICONE
9	WC-8556	HEATSINK and TRIAC ASSY 40A 600V			



# PARTS IMAGES





# TROUBLESHOOTING INSTRUCTIONS

## POWER ISSUES

### The unit will not turn on:

- 1 Check if the panel breaker is turned on. If it is, proceed to STEP 2.
- 2 Check the voltage at the receptacle, it should read: L1-N = 120v, N-G = 0v. Proceed to STEP 3 if accurate.
- 3 Check if the power cord is properly connected to the receptacle. If it is, proceed to STEP 4.
- 4 Check the toggle switch if it is in the ON position. If it is ON, proceed to STEP 5.
- 5 Check the voltage at the power block, it should read: L1-N = 120v, N-G = 0v.
- 6 Check the voltage at the reset thermostat, it should read 120v.
- 7 Check the voltage at the toggle switch, it should read 120v.
- 8 Verify 120v between pins #8 and #16 on molex connector at UCM.
- 9 If all steps were taken and the unit still does not turn on, replace the UCM.

## HEATING ISSUES

### Not heating:

#### LCD reads "Heating"

- Yes: Verify 120 volts between #2 & #4 on both sides of the Manual Reset Thermostat. If no, reset or replace the Manual Reset Thermostat.
- Yes: Verify 120 volts across the Heating Element. If yes, replace the Heating Element. If no, check heating element for continuity, should read 9-24 OHMS. Verify 120 volts between the Triac gate, Neutral, and L1.
- No: Verify that the panel breaker is turned on and the receptacle has 120 volts. If not, consult with an electrician.

### Overheating/Steaming:

#### LCD reads "Heating"

Verify that the resistance on the Temperature Sensor is less than 5k-180k ohms with a hot tank (200+ degrees). If no, verify correct mounting and that the walls of the tank are free of mineral deposits. If yes, bypass the sensor using a jumper with a 5k ohm resistor. If the LCD reads "ready" and the unit stops heating, replace the temperature sensor. If not, replace the UCM.

#### LCD reads "Ready to Brew"

Check the triac for continuity across A1 & A2, if continuity is present, replace the triac. If no continuity, replace UCM.

- i** Ensure that the temperature is adjusted to compensate for high elevation. The factory setting is 200 degrees. The temperature setting will need to be reduced Two degrees for every One Thousand feet of elevation.

## WARMER ISSUES

### No power to any warmer:

Verify correct programming: (Model number).

### Not heating:

- Verify 120v at heating element.
- Yes: Replace heating element.
- No: Verify that the connections and wirings are good. If OK, replace UCM.

### Constantly hot, even when turned off:

Ensure proper resistance value on the heating element between 140-170 ohm.

Ensure wiring is not shorted to ground.

Replace UCM.





## TANK FILLING ISSUES

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Check all ground connections, make sure unit is grounded.

### Not filling:

Yes: Does the LCD read "Water Level Error"?

Yes: Verify the flow rate to be a minimum of 1 gpm from outlet of the water filter. If not, ensure that the inlet side of the water filter is receiving a minimum of 1 gpm. If yes, replace the water filter. If not, consult a plumber.

No: Remove the orange wire from the probe. Does the tank start filling?

Yes: Replace water level probe.

No: Check if power to inlet valve. If no, replace UCM. If yes, replace valve.

### Overfilling:

Turn OFF toggle switch.

Does the tank continue to fill?

Yes: Replace water inlet valve.

No: Ground the probe wire to chassis.

Check all ground connections

Does the tank continue to still fill?

Yes: Replace the UCM.

No: Replace Water Level Probe.

## BREWING ISSUES

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### LCD does not read "Brewing":

If the LCD reads "Ready to Brew" and no response when Brew Button is pressed, replace the UCM.

### LCD reads "Brewing":

No water flow from the sprayhead:

Does water flow from the hot water faucet? If yes, verify 120 volts at the dump valve coil. If voltage is present at the dump valve coil, replace the dump valve. If 120 volts is not present at the dump valve coil, confirm continuity of wiring between molex connector and Dump Valve. If okay, replace the UCM. (Verify the resistance on the dump valve coil to be open in one direction, and under 2k ohm in the other direction BEFORE REPLACING THE UCM)

If water does not flow from the hot water faucet, replace the Water Level Probe. If tank is full, check the ports to brew valve and hot water faucet and confirm it is clear of debris. If no, go to "Not Filling".

### Brewing Short Pots:

Verify that the Hot Water Tank is filling correctly. (See Tank Filling issues)

### **i** Before replacing any parts, verify the following:

Verify that the Dump Valve outlet fitting on the tank, the tubing between the tank outlet and the Sprayhead fitting, the Sprayhead, and Dump Valve are clear of obstructions.

Ensure correct alignment of the sprayhead fitting and that the tubing is routed properly to allow for maximum water flow. (No Kinks)

### Overflowing the Pot:

- Ensure that the Sprayhead has not been removed or broken. Replace as needed.
- Ensure that the Hot Water Tank is not overflowing. (See Tank Filling Issues)
- Ensure that hot water is not flowing from the Dump Valve when the toggle switch is turned off. If it is, replace the dump valve.
- Ensure Cold Brew Lock is set to 5 degrees.