#### GRIND'N BREW COFFEE SYSTEM™

for Grind'n Brew - Single Bean, Dual Bean and Airpot Brewers (Model -11, -21, -10, -20 Including H, HQ and E versions)

**Operation and Instruction Manual** 

#### GRIND'N BREW KAFFEEMASCHINEN™

für Grind'n Brew - Kaffeemaschinen mit einem Bohnenfach, zwei Bohnenfächern und für Maschinen mit Isolierkanne (Airpot) (Modell -11, -21, -10, -20 inklusive Modell H, HQ und E)

Bedienungsanleitung

# SISTEMA PARA CAFÉ GRIND'N BREW™

para Grind'n Brew - Versiones simples con un compartimiento para granos, con dos compartimientos para granos y con "Airpot" (envase térmico) (Modelos 11, 12, 10, 20 incluyendo las versiones H, HQ y E)

Manual de operación e instrucciones

# SISTEMI GRIND'N BREW COFFEE SYSTEM™

per macchine per caffè Grind'n Brew a tramoggia unica o doppia di alimentazione chicchi ed a "Airpot" (contenitore termico) (Modelli -11, -21, -10, -20 comprese le versioni H, HQ ed E)

Manuale d'uso

#### GRIND'N BREW™

Ligne de machines à café

pour les modèles Grind'n Brew à réservoir à grains unique, à réservoir à grains double et à «airpot» (thermos) ( Modèles 11, 21, 10, 20, y compris les versions H, HQ et E )

Manuel opératoire

# GRIND'N BREW COFFEE SYSTEMS™

voor Grind'n Brew koffiezetapparaten met één of twee compartimenten voor koffiebonen en koffiezetapparaten met airpot (Model -11, -21, -10, -20 inclusief H, HQ en E uitvoeringen)

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#### **Grindmaster Corporation**

4003 Collins Lane Louisville, Kentucky 40245 USA (502) 425-4776

FAX: (502) 425-4664 www.grindmaster.com





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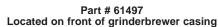
#### **WARNING LABELS**

The following warning labels were on your grinderbrewer when it shipped from the factory. They should remain on your grinderbrewer in good, readable condition at all times. If one of your labels is missing or damaged, order a replacement label immediately.

#### Part# 71104 Located on outside back, grinderbrewer casing

#### WARNING

- USE ONLY ON A CIRCUIT THAT IS PROPERLY PROTECTED AND CAPABLE OF THE RATED LOAD.
- ELECTRICALLY GROUND THE CHASSIS
- DO NOT DEFORM PLUG OR CORD
- FOLLOW NATIONAL AND LOCAL ELECTRICAL CODES
- WATER CONNECTIONS SHALL COMPLY WITH THE PLUMBING CODE OF BOCA & THE FOOD SERVICE SANITATION MANUAL OF THE FDA
- DO NOT USE NEAR COMBUSTIBLES
- FAILURE TO COMPLY RISKS PERSONAL INJURY, DAMAGE TO EQUIPMENT, FIRE OR SHOCK HAZARD
- READ THE ENTIRE OPERATING MANUAL INCLUDING THE LIMIT OF WARRANTY AND LIABILITY BEFORE BUYING OR USING THIS PRODUCT
- ALWAYS UNPLUG UNIT FROM POWER SUPPLY BEFORE SERVICING



	CAUTION: HOT LIQUIDS AND SURFACES WARNING: DISCONNECT FROM POWER BEFORE SERVICING.
	ADVERTENCIA: LIQUIDOS Y SUPERFICIES CALIENTES ADVERTENCIA: DESCONECTE DE LA CORRIENTE ANTES DE ARREGLAR LA MÁQUINA.
$\wedge$	ATTENTION: LIQUIDES ET SURFACES CHAUDS ATTENTION: METTRE L'APPAREIL HORS TENSION AVANT DE PROCÉDER À L'ENTRETIEN.
\ \( \text{!} \)	ACHTUNG: HEISSE FLÜSSIGKEITEN UND OBERFLÄCHEN WARNUNG: GERÄT AUSSCHALTEN UND VOM STROMKREIS ABTRENNEN.
	AVVERTENZA: LIQUIDI E SUPERFICI CALDI AVVERTENZA: STACCARE LA SPINA PRIMA DI PROCEDERE ALLE OPERAZIONI DI MANUTENZIONE.
	OPGELET! HETE VLOEISTOFFEN EN OPPERVLAKKEN WAARSCHUWING: UITSCHAKELEN VAN STEKKER VOOR ONDERHOUD. 61/97

# **Technical Data - Export Models**

10HE	11HE	20HE	21HE
70929	70913	70931	70915
230	230	230	230
50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
3270	3360	3270	3360
20	20	20	20
1	1	2	2
2,5 kg	2,5 kg	3 kg	3 kg
1,9 L	1,9 L	1,9 L	1,9 L
	1		1
x	х	x	x
Х	Х	х	х
Х	Х	Х	Х
х	х	х	х
Х	Х	Х	Х
23,5	23,5	23,8	23,8
61,6	61,6	61,6	61,6
*78,8	66,7	*95,25	83,2
29 kg	29 kg	36 kg	36 kg
36,3	36,3	43,1	43,1
	70929  230 50/60 Hz 3270 20 1 2,5 kg 1,9 L	70929 70913  230 230 50/60 Hz 50/60 Hz 3270 3360 20 20 1 1 1 2,5 kg 2,5 kg 1,9 L 1,9 L 1	70929         70913         70931           230         230         230           50/60 Hz         50/60 Hz         50/60 Hz           3270         3360         3270           20         20         20           1         1         2           2,5 kg         2,5 kg         3 kg           1,9 L         1,9 L         1,9 L           1         1         1           X         X         X           X         X         X           X         X         X           X         X         X           X         X         X           X         X         X           X         X         X           X         X         X           X         X         X           X         X         X           X         X         X           X         X         X           X         X         X           X         X         X           X         X         X           X         X         X           X         X         X

<sup>\*</sup> BASED ON 5" LEG HEIGHT

<sup>\*\*</sup> INCLUDING WATER INLET FITTING

# Grind 'n Brew Installation, Start-up, and Brewing Instructions: (Read Completely!)

**Important:** This brewer should be installed by a knowledgeable and experienced commercial equipment installer.

#### **Brewer Contents**

Your brewer package should include the following:

1-Grinderbrewer (either single or dual bean)

1-Operation and Instruction Manual (this manual)

1-Hose to 1/4" flare fitting (part # 61237)

#### **Tools Required for Installation**

#2 Phillips screwdriver 9/16" Wrench 5/8" Wrench (Or Crescent Wrench)

6" Level

Note: Other tools may be needed depending on the type of water supply tubing and location.

#### **Unit Installation**

- 1. Inspect unit to see if any damage occurred in shipment.
- 2. Position brewer on counter. Place on sturdy permanent counter top. (If you have an airpot brewer, Install 4" plastic legs (included) to the bottom of brewer. Lean brewer towards side to expose screwholes underneath for legs. Adjust leg heights to suit the size airpots you will use.)

**Important:** Adjust feet to <u>level</u> brewer. With bubble level, check to see that the brewer is level on countertop.

# Water Hook-up (All Models):

**Important:** This equipment must be installed in compliance with applicable Federal, State, and/or Local plumbing codes having jurisdiction.

- 1. The incoming water supply should have a shut-off valve connected in-line. The end should have a female 1/4" flare fitting. Water supply should be a 1/4" I.D. dedicated line branched off a 1" or larger supply line.
- 2. Prior to installing the brewer, flush out the water line by running approximately 1 gallon of water into a pail. This will insure no sediment from a new installation can get in the brewer.
- 3. Make sure your source water is turned off. Connect the source water line's 1/4" female flare fitting (1) to the 1/4" male fitting on the hose connector (2).
- 4. Make sure Grind'n Brew is unplugged. Connect source water line to brewer with hose connector.
- 5. Turn source water valve on, sending water to the brewer. If there are any leaks, tighten connections to stop leakage.

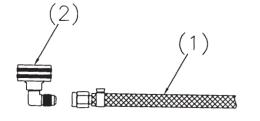


Figure A

#### Electrical Hook-up and Start-Up Procedure (All Models) (Do not plug in unit yet!)

**Important:** This equipment must be installed in compliance with applicable Federal, State, and/or Local electrical codes having jurisdiction. Do not use extension cords. Make sure that outlet brewer plugs into is grounded.

Important: Make sure "Main Power Switch" in back of unit is in "off" position before plugging in brewer.

Important: Domestic Q models at 208/230V must have a 4 wire electrical connection. Circuit must have 2 hots, 1 ground, and 1 neutral wire. Failure to install with 4 wire connecion will void manufactures' warranty. Grind'n Brews that are 208/230 volt require a 20 amp circuit. Export "E" models must have a 3 wire electrical connection. Circuit must have 2 hots, and 1 ground (no neutral).

- 1. Plug in brewer to electrical outlet. (Or run power to unit for hardwire applications)
- 2. Make sure brewbasket is inserted in brewrails.
- 3. Reach to the back of the brewer and press the white "main power switch" to the "on" position. The front control lights will go on and you will hear water entering the brewer. The tank will fill in 2-3 minutes from the moment you pressed the "main power switch" to "on".
- 4. Now that the tank is full, it will take 10-15 minutes to heat the water to brewing temperature. (Cut that time in half for the 230V "Q" models). Once the "ready" light is lit, you are ready to brew.

### **Brewing**

**Important:** Brewers are factory set for the correct grind and brew times for average situations. You should not need to make adjustments in the field.

- 1. Make sure new paper filter is in the brewbasket and brewbasket is in place in brewer.
- 2. Place beans in hopper.
- 3. Choose to "Grind and Brew":
  - Basic Models-Press switch to "Grind 'n Brew"
  - "H" Half batch models or all dual bean models-Press far right touchpad so "grind" and "brew" lights are lit.
- 4. Choose Portion:
  - Basic models-no choice, only full batch.
  - "H" Half batch models or all dual bean models-choose full or half by pressing touchpad until desired volume is lit.
- 5. Choose decaf or regular coffee (only applicable to dual bean Grind 'n Brews). Press left touchpad. Arrow will either point left or right for "decaf" or "regular".
- 6. Place decanter or airpot under brewbasket depending on model.
- 7. Press Start. You will see coffee bean level go down slightly. You will hear coffee grind. Coffee automatically is ground and portioned and placed in brewbasket. Then ground coffee is automatically brewed. The "ready" light will now blink signifying that grinding and brewing is in process. This will take 3-4 minutes for a 1,7L 1,9L pot. Portions are factory set. After brewing a pot, the tank must reheat. Reheat times are 5 1/2-8 minutes for 120V brewers and half that for 230V machines. Remember, the brewer will not function (although the grinder will) until the "ready" light is on, indicating the water is hot enough to brew. A flashing green light means brewer is reheating or there is a cycle in progress. Do not remove brewbasket while flashing.
- 8. On models GNB-11(11Q)(10)(10Q), press rocker switch to "Grind Only" position when you wish to grind coffee but not brew. This will allow you to grind coffee for other brewers in use. For "H" half batch and dual bean models, use following instructions on operating the touchpad.

## Operating the Touchpad on "H" Models: (See Figure B)

- Dual bean hoppers: To select bean hopper, press hopper button until desired indicator arrow is illuminated.
- To select portion size, press the center of the "portion size" button until the half pot or full pot 2. symbol (depending on your need) is illuminated.
- The "mode" button allows you to select either the "Brew Only," "Grind Only" or "Grind 'n Brew" 3. feature.
  - a) To grind only, press the center of the "mode" button until the grinder symbol is illuminated.
  - b) To brew only, press the center of the button until the coffee cup symbol is illuminated.
  - c) To grind and brew, press the button until both symbols are illuminated together.

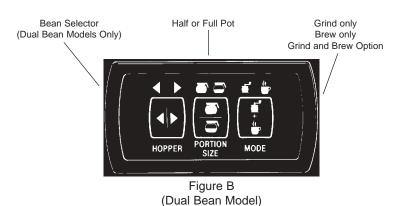




Figure C (Single Bean Model)

Important: Brewers are factory set for throw weight and water portion. Please check that installation is correct before making adjustment. No adjustments should be necessary for normal installation.

## Setting Throw Weights and Water Portion: (See Figure D) Tools Required: #2 Phillips Screwdriver

- 1. Remove lower front access panel to expose digital timer. Refer to chart to determine timer setting for the amount of coffee/water you wish to dispense.
- 2. Use the select button to toggle to the setting available on your unit.
- 3. Use the up and down buttons to make your adjustments to the settings, then press the select button again to store your new settings. The display will flash to indicate your settings have been stored. Scroll through settings to confirm timer setting gives desired dispense volume.
  - a.) Brew a pot to confirm timesetting gives desired dispense volume.
  - b.) Record your new timer values on the customer settings chart located on time face.
- 4. After a few seconds, the display will shut itself off. The access panel may be re-installed.

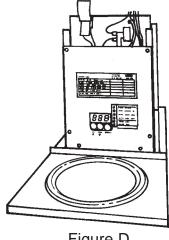


Figure D

#### GRIND'N BREW Timer settings/ with new PDS Flow control valve

A standard 1,9L bottle Grind'n Brews

	Setting Single Bean	Approx yeild	Setting Dual Bean	Approx yield
Single/Left Full Pot	4.2 secs	2 oz./6ml	5.7 secs	2 oz./5.8ml
Right Full Pot	-	-	5.7 secs	2 oz./5.8ml
Single/Left Half Pot	2.4 secs	1.25 oz./4ml	3.0 secs	1.25 oz./3.6ml
Right Full Pot	-	-	3.0 secs	1.25 oz./3.6ml
Full Pot	112-125 secs	62 fl oz./180ml	112-125 secs	62 fl oz./180ml
Half Pot	56-63 secs	31 fl oz./90ml	56-63 secs	31 fl oz./90ml

All Airpot Grind'n Brews

	Setting Single Bean	Approx yeild	Setting Dual Bean	Approx yield
Single/Left Full Pot	4.5 secs	2.3 oz./7ml	6.2 secs	2.3 oz./7ml
Right Full Pot	-	-	6.2 secs	2.3 oz./7ml
Single/Left Half Pot	2.7 secs	1.4 oz./4ml	3.7 secs	1.4 oz./4ml
Right Full Pot	-	-	3.7 secs	1.4 oz./4ml
Full Pot	140-153 secs	72 fl oz./209ml	140-153 secs	72 fl oz./209ml
Half Pot	70-77 secs	36 fl oz./104ml	70-77 secs	36 fl oz./104ml

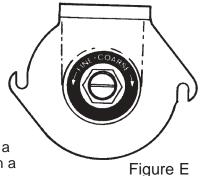
- Increase of 1 second to timer setting equates to an increase in fluid volume by 1/2 ounce/1.5ml.
- Decrease of 1 second to timer setting equates to a decrease in fluid volume by 1/2 ounce/1.5ml.

#### Setting Grind:

## Tool Required: #2 Phillips screwdriver, 7/8"/2.2cm box wrench, large flat blade screwdriver

- 1. Remove front decal panel by removing screw on underside of panel.
- 2. Loosen adjusting screw lock nut by turning counter clockwise.
- 3. Turn slotted adjusting screw clockwise to make the grind coarser or counter clockwise to make the grind finer. (See Figure E) Generally, a 1/8 to 1/4 turn will provide desired adjustment.
- 4. After adjustment has been made, re-tighten adjusting screw lock nut.
- 5. Visually inspect grind adjustment with a small portion of coffee and readjust if necessary.
- 6. Reinstall the front decal panel as it was removed.

**REGULAR MAINTENANCE** Note: Machine should not be cleaned with a pressure sprayer. This could result in a shock hazard.



#### **Daily Cleaning**

**Cabinet :** The outside of the machine can be cleaned with a damp cloth, a household dusting spray or a stainless steel cleaner. Do not use an abrasive such as Scotchbrite or

Brillo pads. These may mar the finish.

Wipe the underside of the cabinet hood with a clean cloth. Be especially careful when using soap or detergent around the sprayhead. Any soap left on the deflector may impart

an unpleasant taste to the first brews.

Warmers: The warmer plate is easy to clean and will maintain its appearance longer if cleaned

regularly. Coffee stains can be wiped off with a damp cloth. Use detergent or sanitizer

for heavy deposits, but refrain from using abrasives.

## **Weekly Cleaning**

**Slide Valve:** The slide valve behind the spray deflector under the cabinet hood should be wiped off with a clean, dry cloth. Using the finger tab (Figure F) open the slide valve.

**Note:** When the machine is not in use, the finger tab will automatically activate every 30 minutes to keep clear.

Brew Basket, Airpots and Decanters: Use commercial grade urn cleaner (as directed by manufacturer) and rinse thoroughly.

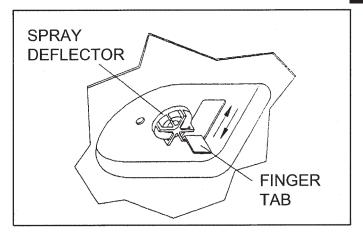
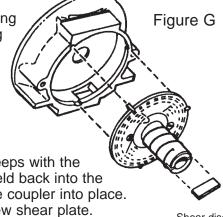


Figure F

#### SHEAR PLATE REPLACEMENT

#### Tools Required: #2 Phillips Screwdriver, Large flat blade screwdriver

- 1. Unplug machine.
- 2. Remove front panel and hopper. To remove hopper, pull bean shut-off valve forward. This will shut-off the flow of coffee beans and allow you to lift it from the grind head.
- Remove hopper cradle. There are 5 screws (2 in front and 3 across back) holding the hopper cradle in place. Loosen screws and lift up hopper cradle.
- Remove spray head. First remove the spray deflector by spinning it clockwise. Second, pull the spray nozzle away from mounting sheet.
- 5. Remove grind cap by loosening the 2 screws and rotating the grind cap away from the screws.
- 6. Pull out the revolving burr and freedworm assembly. The sweeps on the revolving burr must line up with the cut outs on the grind head. (See Figure G).
- 7. Remove the shear cap and broken shear plate.
- 8. Slide the rotating burr onto the motor shaft, aligning up the sweeps with the cutouts on the grind head. Rotate the burr so that the burr is held back into the burr pocket by the sweeps on the grind head lip. Slide the drive coupler into place. Rotate the slot on drive coupler with the feed worm. Insert a new shear plate.
- 9. Reassemble the remaining components in reverse order of disassembly.



Shear disc plate

### WATER SOLENOID VALVE (See Figure H)

# Tools Required: #2 Phillips screwdriver, pliers, 1/4" sockets

**Note:** The water solenoid valve is accesible from the rear of the unit. This water valve contains a flow washer which delivers a constant water flow rate of 0.29 (1.1L) gallons per minute.

- 1. Unplug machine.
- 2. Remove two lower screws from access panel.
- 3. Pivot panel and pull away from machine.
- 4. Disconnect electrical connections and water line from water valve. The water line is removed by sliding the sleeve on the elbow fitting and pulling the hose out of the fitting.
- 5. Disassemble water valve and de-lime.
- 6. Reassemble in reverse order of disassembly.

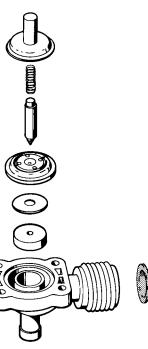


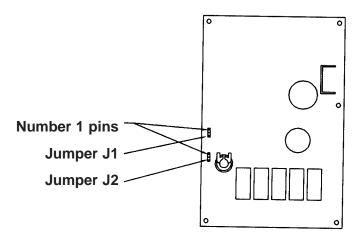
Figure H

## **CONTROL BOARD SETTINGS**

- J1 Jumper should remain on pin 1 & 2
- J2 Jumper Controls
  - -No pin connected with jumper-No minimum brewing temperature
  - -Jumper connecting 2 & 3 Low temperature no brew. The brewing cycle with wait until

temperature of water is ready before continuing (factory setting)

-Jumper connecting 1 & 2 - Disables thermister, unit must use a thermostat to operate properly (not normally used)



# **Coffee Taste Problems**

PROBLEM	POSSIBLE CAUSE	SOLUTION
Weak coffee	Not enough coffee used	Set to portion more coffee.
	<ul> <li>Grind is too coarse</li> </ul>	<ul> <li>Readjust grind to a finer grind.</li> </ul>
	<ul> <li>Water not hot enough</li> </ul>	• Check spray temp, should be greater than 1185ÞF/85ÞC
	<ul> <li>Too much water used (half brews)</li> </ul>	Adjust brew time at the controller.
	<ul> <li>Coffee bed has dry areas</li> </ul>	<ul> <li>Spray deflector broken or missing.</li> </ul>
Strong coffee	<ul> <li>Too much coffee used</li> </ul>	Readjust coffee portion.
Bitter coffee	Grind is too fine	Coarsen grind setting.
Grounds in coffee	Paper filter collapsed during brewing	Use proper filter.
Brewing basket overflowed	Too much coffee	Use no more than 3 oz (100 grams) of coffee.
	<ul> <li>Coffee ground too finely</li> </ul>	Coarsen grind.
	<ul> <li>Double batching</li> </ul>	<ul> <li>You must dump old coffee and use fresh new filter</li> </ul>
		for each brew.
Unpleasant taste	Water tank or Brew Basket	Clean, sanitize (de-lime).
	needs cleaning	Refer to section "Regular Maintenance".

# Trouble Shooting Guide

BEFORE YOU CALL FOR HELP, PLEASE READ THE FOLLOWING:

CAUTION: Unplug power cord from outlet before cleaning or servicing the unit.

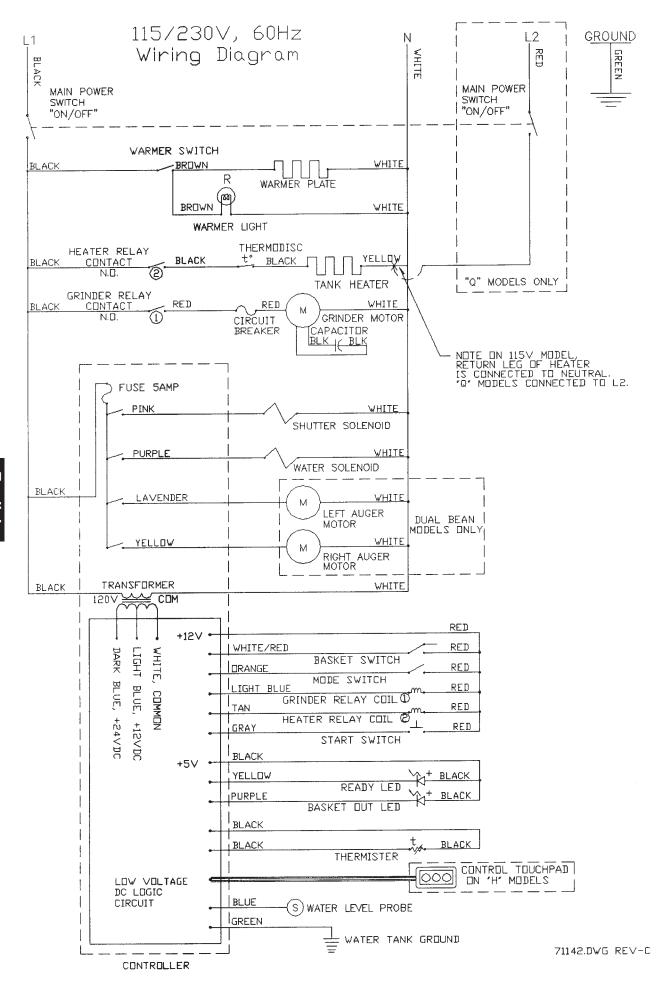
PROBLEM	POSSIBLE CAUSE	SOLUTION
Grinder will not start when start button is pushed	<ul><li>Main power switch turned off.</li><li>No power to outlet.</li><li>Basket out.</li><li>Circuit breaker has tripped.</li></ul>	<ul> <li>Turn on main power switch located on back of unit (left side from front)</li> <li>Check outlet with lamp or radio to verify outlet has powers.</li> <li>Ensure basket is in position</li> <li>Reset circuit breaker (located on back of unit) by pushing in the reset button until you hear a click.</li> </ul>
Grinder runs or hums but no coffee is dispensed	<ul> <li>Shear disc is broken.</li> <li>Obstruction in opening of auger assembly (on dual bean units).</li> <li>Obstruction in opening to grinding chamber.</li> <li>Slide valve is bending.</li> <li>Blown fuse on controller board (Dual bean only).</li> </ul>	<ul> <li>Replace shear disc. See "Shear Disc Replacement".</li> <li>Remove hopper and clear obstruction.</li> <li>Remove hopper and clean obstruction.</li> <li>Check for free operation of slide valve. Adjust Solenoid Mount or slide valve Mount as required. Make sure white slide valve gasket is not touching moving parts.</li> <li>Check for blown fuse and replace with 5 amp fuse</li> </ul>
Quantity of coffee dispensed each throw is not the same	<ul><li>Defective timer in controller.</li><li>Slide valve is binding.</li></ul>	<ul> <li>Check length of time grinder runs with watch.</li> <li>Remove upper assembly and clean obstruction.</li> <li>Check for free operation of slide valve. Adjust Solenoid Mount or slide valve Mount as required. Make sure white slide valve gasket is not touching moving parts.</li> </ul>
Breaker Circuit continuously trips	<ul> <li>Insufficient current due to use of extension cord.</li> <li>Insufficient current due to overloaded line.</li> </ul>	<ul> <li>Plug unit directly into outlet. Do not use extension cord.</li> <li>Designate single line for unit. Do not use multioutlet box.</li> </ul>

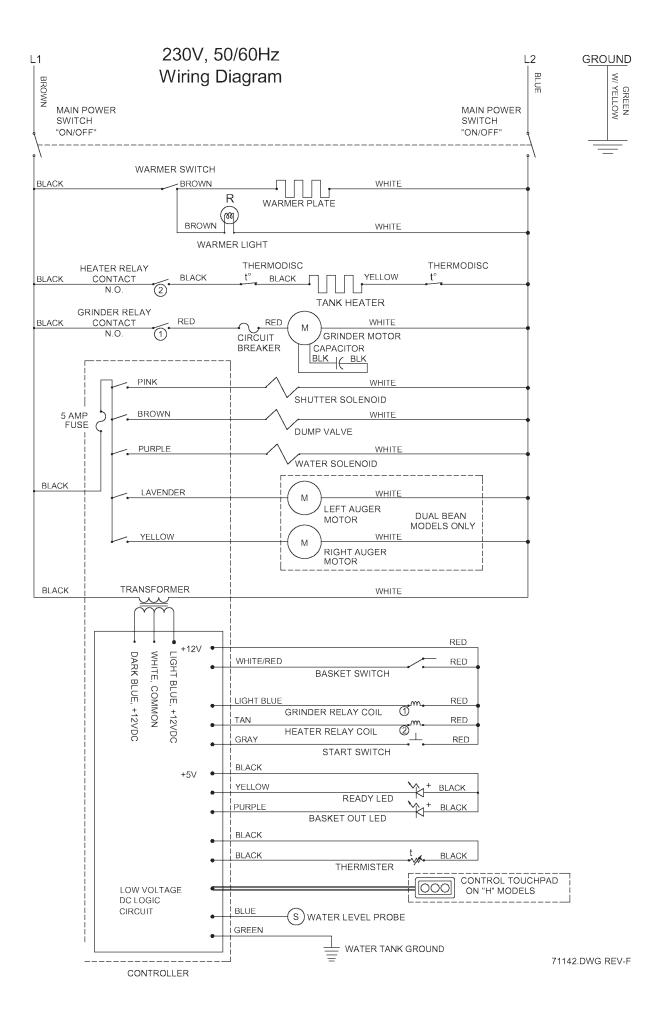
# **Trouble Shooting Guide (continued)**

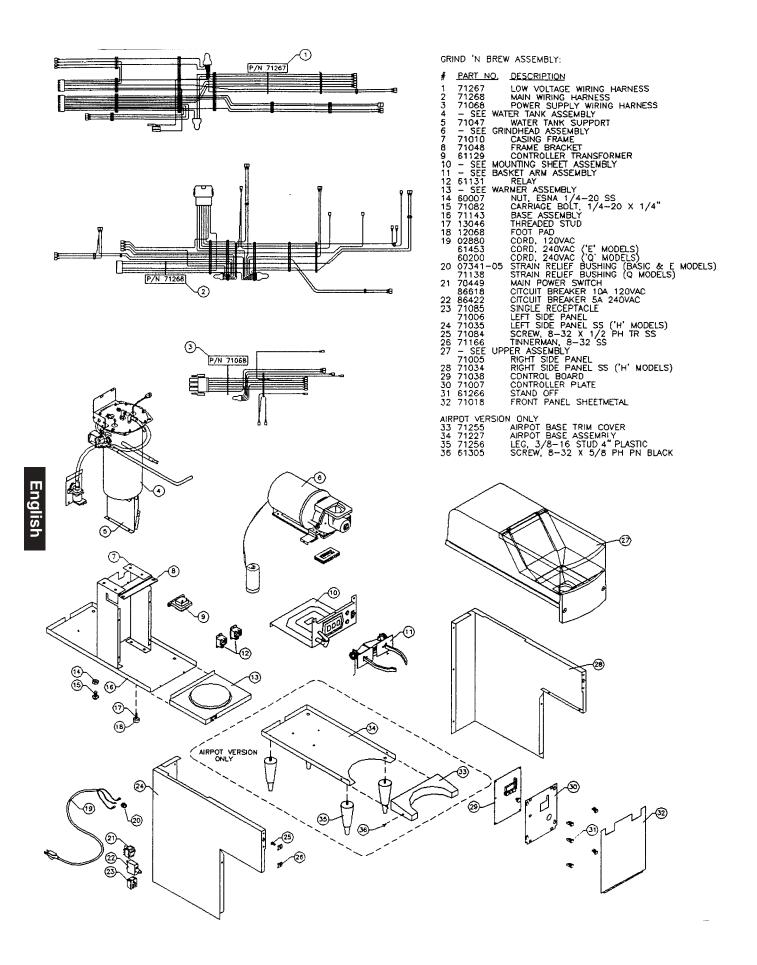
PROBLEM	POSSIBLE CAUSE	SOLUTION
Basket Out Light flashing	- Water Fill Valve on too long	- Clean or replace Water Fill Valve
w/1 sec. on/off pulse	- Water supply turned "off"	- Turn "on" water supply
(Control Board Displays "ER1")		
Basket Out Light flashing	- Problem with Thermister	- Replace if defective
w/0.2 sec. on/off w/1 sec. pause		
(Control Board Displays "ER2")		
Water not hot enough	- Thermister not set high enough	- Adjust Potentiometer
Water boiling (or steaming)	- Thermister set too high	- Adjust Potentiometer
	- Defective Thermister	- Replace Thermister
Start Switch not working	- Brew Basket out of place	- Replace Basket
(Basket Out Light illuminated)		
No lights are "on"	- No power to brewer	- Turn "on" power
(Including Warmer Light)	- Power Switch turned "off"	- Turn "on" switch
No lights are "on"	- Defective Transformer	- Check and replace
(Except Warmer Light)		
No Touch Pad Lights	- Touch Pad disconnected	- Reconnect Touch Pad
(other lights o.k.)		
Too much or not enough water	- Water time adjustment	- Re-adjust
in decanter		
Spray Head dripping	- Lime build up in dump valve	- Delime unit
Hot water spigot dripping	- Faulty seal	- Replace seal
Hot water spigot not dispensing	- Drain tube limed-up	- Delime tank and drain tube
	- Defective valve seat	- Replace seat
Warmer failure	- Loss of power	- Check power source
	- Defective warmer switch or	- Perform continuity test. Replace
	warmer heater	defective component
Auger motor, water solenoid,	- Bus fuse on controller board is	- Replace 5 Amp bus fuse
shutter not working	blown	
Basket Out or Brew Cycle	- Polarity reversed	- Connect black wire to (+)
indicators will not light		terminal of LED
	- LED burned out	- Replace LED

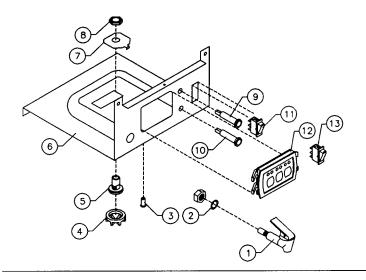
For additional questions please contact your local Grindmaster distributor and have model and serial number ready so that information can be given.

Prior authorization must be obtained from Grindmaster's Technical Services Department for all warranty claims.



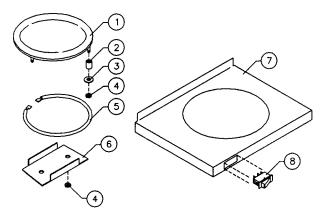






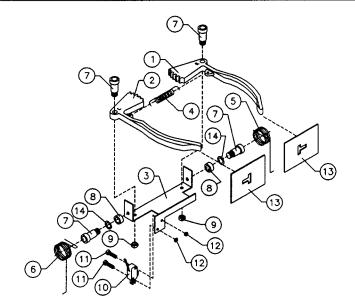
#### MOUNTING SHEET ASSEMBLY:

10 71087 RED INDICATOR LIGHT 11 70445 WHITE MOMENTARY SWITCH 12 71140 TOUCHPAD ASSY (SINGLE BEAN MODELS) 13 06957 RED ROCKER SWITCH (BASIC MODELS)	11
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## WARMER ASSEMBLY:

# 1 2 3	PART NO. 12096-11 06976 00845	DESCRIPTION WARMER PLATE SPACER WASHER
3		
4 5	71129	NUT, KEPS 8-32 SS
5	13029	120 VOLT WARMER HEATING ELEMENT
	02200-11	240 VOLT WARMER HEATING ELEMENT
6	13018	WARMER BRACKET
7	71019	WARMER PLATE BOX
ė.	06957	120 VOLT RED ROCKER SWITCH
•	10124	240 VOLT RED ROCKER SWITCH

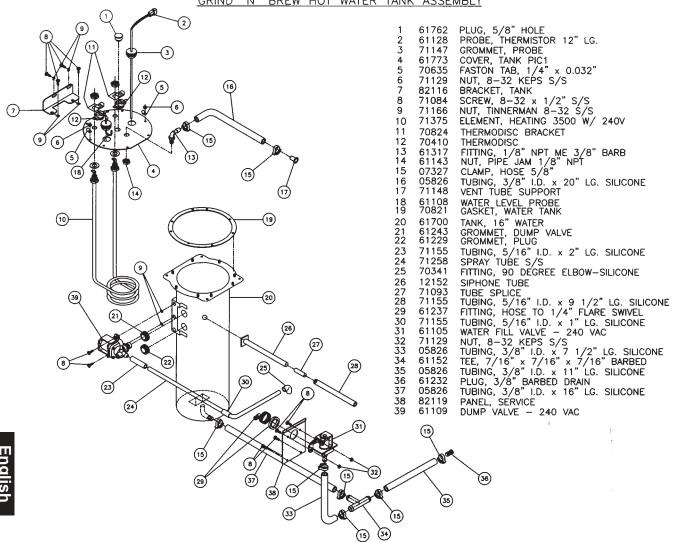


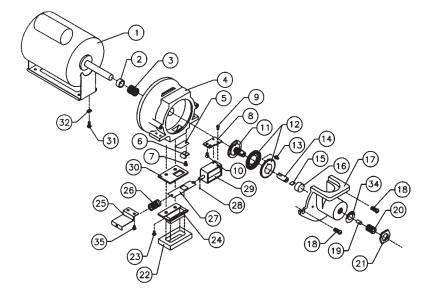
# BASKET ARM ASSEMBLY:

#1234567890112314	PART NO. 71183 71184 71042 71015 71041 71040 71122 71063 60007 71092 71127 71128 71065 60006	DESCRIPTION RIGHT BASKET ARM LEFT BASKET ARM BRACKET, BASKET ARM CENTER SPRING RIGHT BASKET ARM SPRING LEFT BASKET ARM SPRING SHOULDER BOLT, 5/16" X 5/8" SS SPACER, 5/8" X 1/4" NUT, ESNA 1/4-20 SS SWITCH, SNAP ACTION SCREW, 4-40 X 5/8" NUT, 4-40 BELLOW WASHER, 1/4" ID SAE SS
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GNBISO-1.DWG REV-C

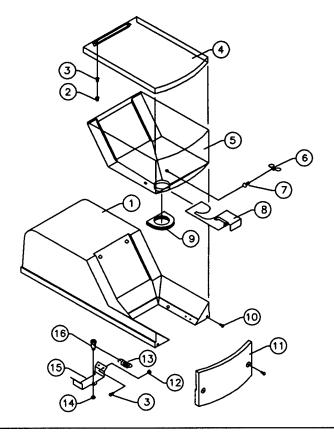
#### GRIND "N" BREW HOT WATER TANK ASSEMBLY





#### GRINDHEAD ASSEMBLY:

GRINDHEAD A	SSEMBLY:
12 85281w 13 86812 14 71012 15 71081 16 70483 17 71001 18 71100 19 71298 20 86341 21 86340 22 71080	230 VOLT GRINDER MOTOR THRUST BEARING TENSION SPRING GRIND HEAD CHAFF SPRING RETAINER SCREW, 4-40x1/4 PH FL SOLENOID BRACKET SCREW, 8-32x1/4" PH PN SCREW, 8-32x3/8" PH FL HD FEEDWORM ASSEMBLY BURRS SCREW, 10-32x5/16" DRIVE COUPLER SHEAR COVER GRIND CAP SCREW, 5/16-18x5/8" ADJUSTING BEARING ADJUSTING SCREW LOCKING NUT WETNESS SEAL GASKET SCREW, 8-32x1/2" KEEPER PLATE SPRING BRACKET SHUTTER SPRING SHUTTER SPRING SHUTTER SPRING SHUTTER GLIDE SPRING SHEET BOLT, 1/4-20x1/2" CAGE NUT, 1/4-20 DECAL - COARSE/FINE



#### SINGLE BEAN UPPER ASSEMBLY:

4 5 6 7 8 9 10 112 13 14	PART NO. 71090 71174 60288 71175 71277 71252 71082 71279 71117 71084 71189 86913 71171 60007 71193 71122	DESCRIPTION HOPPER CRADLE ASSEMBLY FLANGED SLEEVE, .183" OD SS SCREW, 6-32 X 1/2" PH RD HD SS HOPPER LID ASSEMBLY HOPPER ASSEMBLY WINGNUT, ESNA 1/4-20 BOLT, CARRIAGE 1/4-20 X 1/2" SS BEAN SHUTOFF HOPPER GASKET SCREW, 8-32 X 1/2" PH TR SS FRONT PANEL ASSEMBLY NUT, ESNA 6-32 SPRING, SHUTTER NUT, ESNA 1/4-20 SS BRACKET, SHUTOFF SHOULDER BOLT, 5/16" X 5/8"
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