

Technical Data Sheet – GB41 230V

PROPRIETARY RIGHTS NOTICE: This document and all information contained within it is the property of Hamilton Beach Brands, Inc. (HBB). It is confidential and proprietary and has been provided to you for a limited purpose. It must be returned or destroyed upon request. Disclosure, reproduction or use of this document and any information contained within it, in full or in part, for any purpose is forbidden without the prior written consent of HBB. No photographs may be taken of any article fabricated or assembled from this document without the prior written consent of HBB.

Trouble Shooting Guide

Symptom: No response when the switch is activated.

Cause: Jar is not installed on the base. Lid is not fully seated on the jar. Lid is not in the correct orientation on the jar. Interlock components in the post are faulty. Faulty PCB.

Symptom: During a normal cycle the machine stopped.

Cause: The unit possibly overheated. Check the electrical circuit to verify that power is getting to the machine. If so, unplug the unit for 20-30 minutes. Plug in the unit and try to operate. If the problem persists proceed to the repair guide.

Symptom: Unit is extremely noisy.

Cause: Possible worn bearing on cutter assembly. Remove container from blender. Slowly turn the cutter assembly from the bottom of the container. If it is hard to turn or feels loose/wobbly replace cutter assembly. **See Repair Section. Possible worn clutches. Remove container and inspect base and container clutches for wear. Obtain and replace as needed.**

Symptom: STOP / LOW / HIGH switch is binding or defective

Cause: Ensure switch is free of debris. Gently clean around edges. Replace if needed as outlined in Repair Guide.

Symptom: Blends poorly

Cause: Incorrect mixture of ingredients. If cavitating, add more liquids. Possible worn bearing on cutter assembly. Possible worn drive coupling. Replace cutter assembly.

Repair Guide

Motor Clutch Removal/Replacement

Turn power switch to the “STOP” position and unplug the machine.

Insert flat blade screwdriver through access hole in the bottom side of the unit to hold the motor shaft.

Rotate motor clutch counter clockwise to remove.

Install in reverse order.

Housing Disassembly

Turn power switch to the “STOP” position and unplug the machine.

Remove 4 feet by prying out with flat blade screwdriver.

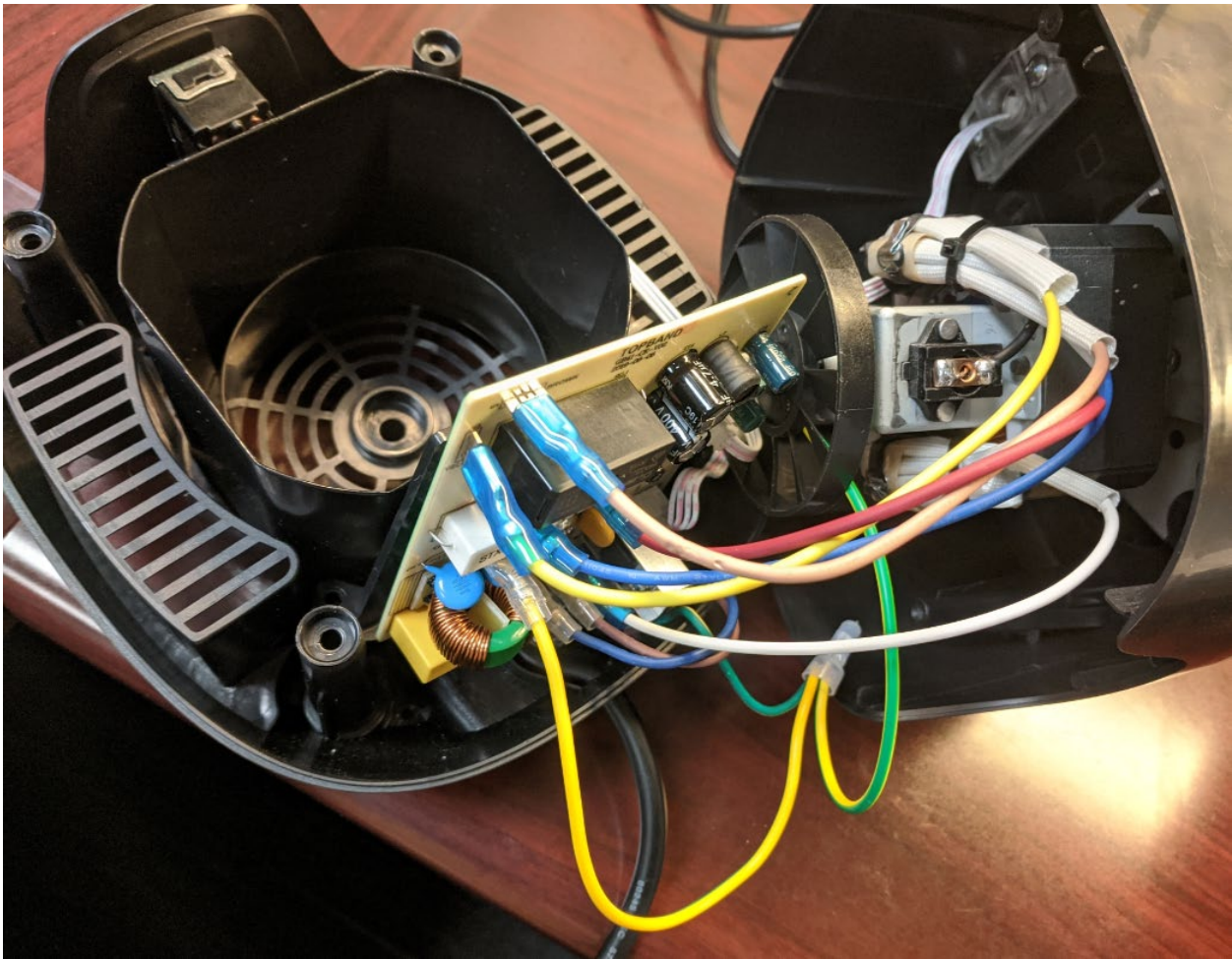
Remove the 4 screws under the feet that secure the upper and lower housings.

 4421 Waterfront Drive Glen Allen, VA 23060	Revision	Revised to add cutter assembly and clutch repair instructions and remove duplicate noisy troubleshooting					Rev. Date:	
	Description:						23-Sep-2024	
	Request #:	DOC14150	Page:	1 of 5	Document #:	520010200	Rev:	B

Technical Data Sheet – GB41 230V

PROPRIETARY RIGHTS NOTICE: This document and all information contained within it is the property of Hamilton Beach Brands, Inc. (HBB). It is confidential and proprietary and has been provided to you for a limited purpose. It must be returned or destroyed upon request. Disclosure, reproduction or use of this document and any information contained within it, in full or in part, for any purpose is forbidden without the prior written consent of HBB. No photographs may be taken of any article fabricated or assembled from this document without the prior written consent of HBB.

Carefully Split the upper and lower housings, wires will limit your movement.



Motor Removal/Replacement

Disassemble housings as described in Housing Disassembly above.
Remove ground screw securing the yellow and green wire to the motor.
Disconnect motor leads at the PCB.
Remove 3 Phillips head screws securing the motor to the upper housing and remove motor.
Reassemble in reverse order. (note motor wire colors are noted on the board)

 4421 Waterfront Drive Glen Allen, VA 23060	Revision	Revised to add cutter assembly and clutch repair instructions and remove duplicate noisy troubleshooting				Rev. Date:	
	Description:					23-Sep-2024	
	Request #:	DOC14150	Page:	2 of 5	Document #:	520010200	Rev: B

Technical Data Sheet – GB41 230V

PROPRIETARY RIGHTS NOTICE: This document and all information contained within it is the property of Hamilton Beach Brands, Inc. (HBB). It is confidential and proprietary and has been provided to you for a limited purpose. It must be returned or destroyed upon request. Disclosure, reproduction or use of this document and any information contained within it, in full or in part, for any purpose is forbidden without the prior written consent of HBB. No photographs may be taken of any article fabricated or assembled from this document without the prior written consent of HBB.



Cordset Removal/Replacement

- Disassemble housings as described in Housing Disassembly above.
- Cut and remove the closed end splice from the ground lead wire.
- Disconnect the Brown and Blue leadwires from the power cord to the PCB.
- Loosen the 2 phillips head screws from the cord retainer and remove.
- Remove the cordset from the lower housing.
- Install in reverse order with new closed end splice or wire nut installed on ground lead.

 4421 Waterfront Drive Glen Allen, VA 23060	Revision	Revised to add cutter assembly and clutch repair instructions and remove duplicate noisy troubleshooting				Rev. Date:	
	Description:					23-Sep-2024	
	Request #:	DOC14150	Page:	3 of 5	Document #:	520010200	Rev: B

Technical Data Sheet – GB41 230V

PROPRIETARY RIGHTS NOTICE: This document and all information contained within it is the property of Hamilton Beach Brands, Inc. (HBB). It is confidential and proprietary and has been provided to you for a limited purpose. It must be returned or destroyed upon request. Disclosure, reproduction or use of this document and any information contained within it, in full or in part, for any purpose is forbidden without the prior written consent of HBB. No photographs may be taken of any article fabricated or assembled from this document without the prior written consent of HBB.

Switch Removal/Replacement

Disassemble housings as described in Housing Disassembly above.

Disconnect the 3 wire ribbon cable connector from the PBB.

Remove outer locking nut and washer from the switch.

Push the switch in and tilt up to remove from lower housing.

Install in reverse order.

PCB Removal/Replacement

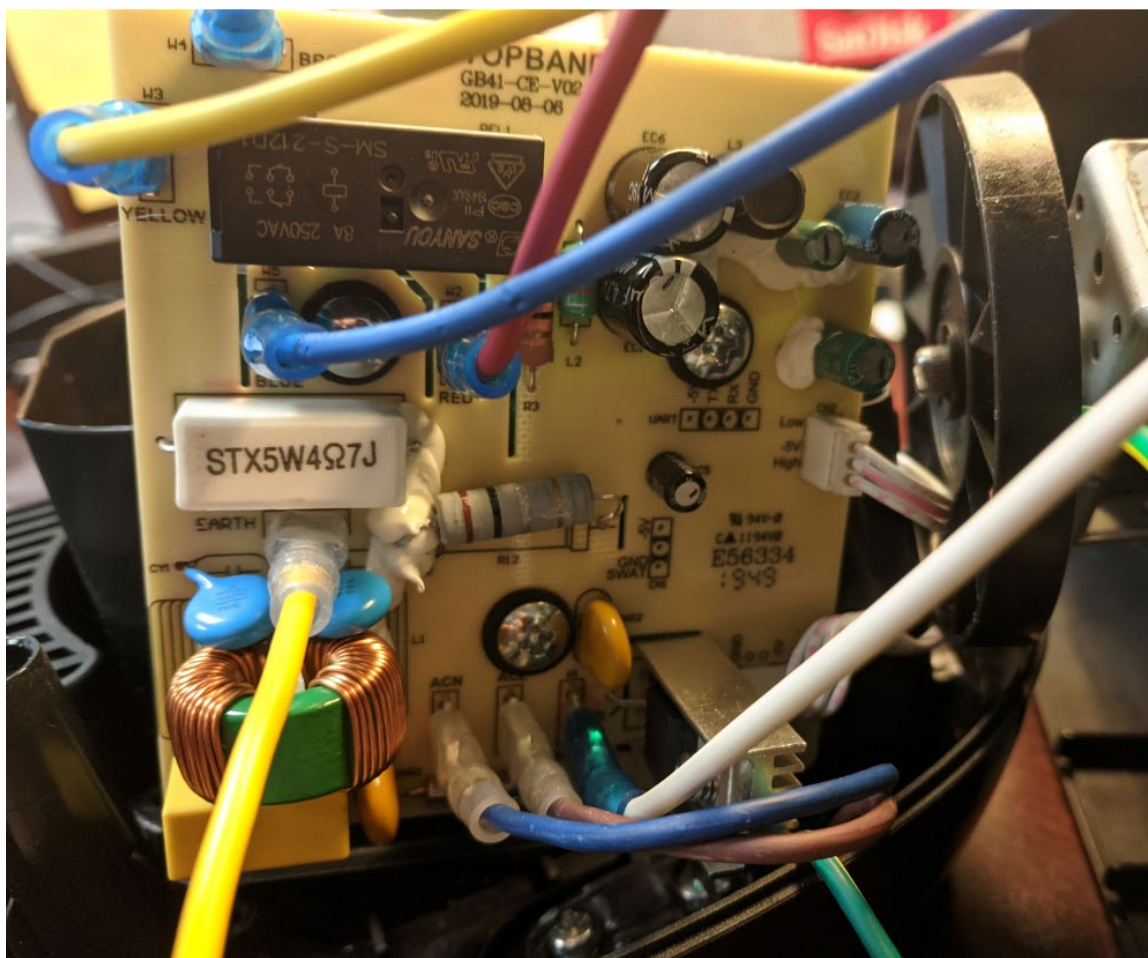
Disassemble housings as described in Housing Disassembly above.

Disconnect PCB leads (note wire colors are noted on the board)

Remove the (3) screws mounting the board (may require removal of the PCB bracket).

Install new PCB.

Assembly is reverse as noted.



 4421 Waterfront Drive Glen Allen, VA 23060	Revision	Revised to add cutter assembly and clutch repair instructions					Rev. Date:	
	Description:	and remove duplicate noisy troubleshooting					23-Sep-2024	
	Request #:	DOC14150	Page:	4 of 5	Document #:	520010200	Rev:	B

Technical Data Sheet – GB41 230V

PROPRIETARY RIGHTS NOTICE: This document and all information contained within it is the property of Hamilton Beach Brands, Inc. (HBB). It is confidential and proprietary and has been provided to you for a limited purpose. It must be returned or destroyed upon request. Disclosure, reproduction or use of this document and any information contained within it, in full or in part, for any purpose is forbidden without the prior written consent of HBB. No photographs may be taken of any article fabricated or assembled from this document without the prior written consent of HBB.

Cutter Assembly Removal/Replacement

Remove the Clutch from the cutter assembly by holding the blade assembly (use a cloth as blades are sharp) and turn clutch counter clockwise. Set clutch aside. Disassemble cutter assembly from container by turning the nut counter clockwise ¼ turn. Nut should then be loose. Remove nut. Remove the cutter blade and shaft by sliding out into the jar and set aside. Press the cutter housing in towards the container to remove. Re-install new cutter assembly in reverse order.

Container Clutch Removal/Replacement

Remove the Clutch from the cutter assembly by holding the blade assembly (use a cloth as blades are sharp) and turn clutch counter clockwise. Re-install new clutch in reverse order.

 Hamilton Beach 4421 Waterfront Drive Glen Allen, VA 23060	Revision	Revised to add cutter assembly and clutch repair instructions and remove duplicate noisy troubleshooting				Rev. Date:	
	Description:					23-Sep-2024	
	Request #:	DOC14150	Page:	5 of 5	Document #:	520010200	Rev: B