

Technical Data Sheet – GB40 230V

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Trouble Shooting Guide

Symptom: No response when the start switch is activated and the LED flashes 3-4 times after each attempt.

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 jar are faulty.

Container Bypass Feature (used as a check) – With main power switch in off position, engage both paddle switches in the momentary position (start and pulse). While holding the paddle switches, turn on the main power switch. This will allow the blender to function on high speed. Once either or both paddle switches are released, the motor will turn off. This feature is to troubleshoot the interlock jar, but will not rule out interlock components in the base.

Symptom: During a normal cycle the machine stopped and the LED is FLASHING.

Cause: Lid not seated fully on the jar. There was an imbalance in the jar causing the connection between the jar and base to be interrupted. 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: No response when the start switch is activated and the LED doesn't flash.

Cause: Ensure the power outlet is operational. Ensure that the circuit breaker on the back of the machine is in the ON position. Possible defective switch, dead motor and/or PCBA.

Symptom: Start/On/Off switch or Chop/Var/Pulse speed switch binding.

Cause: Ensure switch is free of debris. Gently clean around edges.

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. Possible worn drive coupling. Check the teeth of the drive coupling. If worn, replace drive coupling 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.

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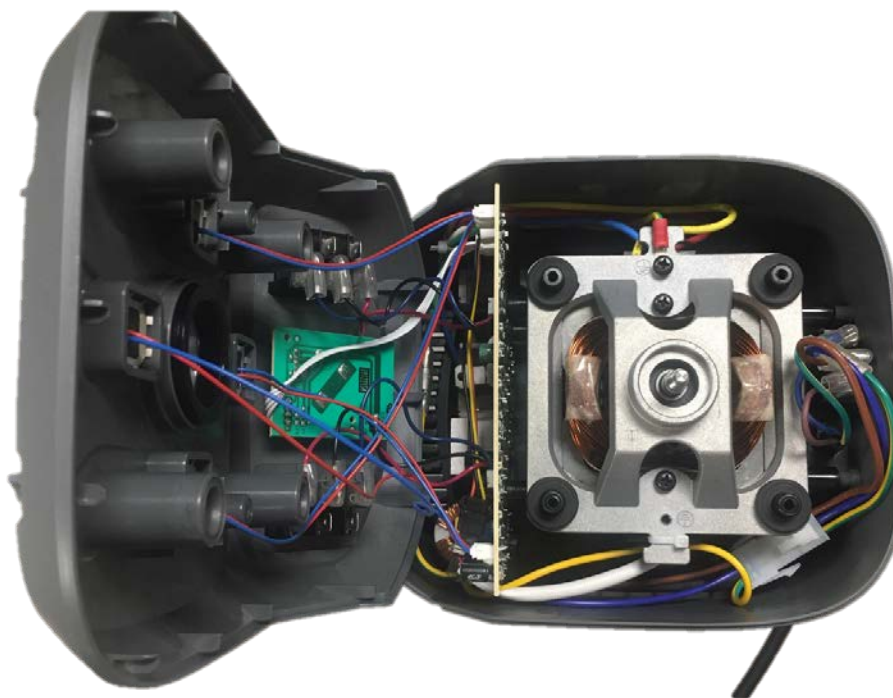
Repair Guide

Drive Clutch Removal/Replacement

- Turn power switch to the “OFF” position and unplug the machine.
- Remove the motor access cover on the bottom side of the unit.
- Use 10mm socket or nut driver to hold the motor shaft while you rotate the drive clutch (counter clockwise).
- Assemble in reverse order.

Housing Disassembly

- Turn power switch to the “OFF” position and unplug the machine.
- Remove the drive clutch as described above.
- Remove the jar pad.
- Remove the four screws under jar pad.
- Carefully Split the upper and lower housings; wires will limit your movement.



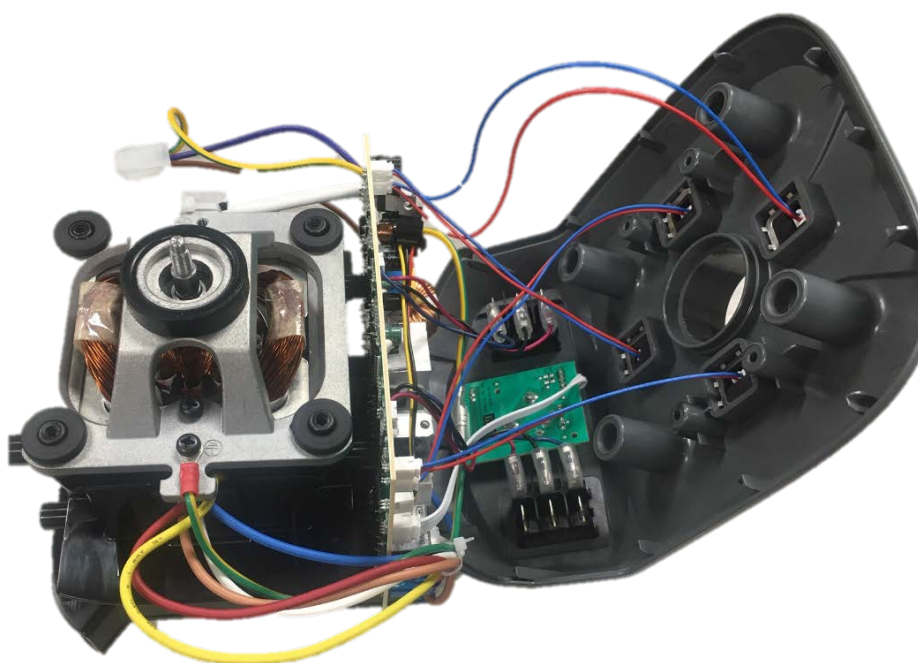
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Motor Removal/Replacement

- Remove the 4 feet from the bottom of the unit.
- Remove the 4 screws under the feet.
- Remove the 4 screws securing the rear panel.
- Carefully pull the rear panel loose from the lower housing and disconnecting the power cord 3-pin connector.
- Disassemble housings as described in Housing Disassembly above.
- Remove lower housing from the assembly.



- Remove the ground screw securing the green ground wire with yellow trace.
- Disconnect the (5) motor leads from the control board.
- Disconnect Hall Effect sensor connector.
- Lift the motor from the motor shroud.
- Assemble in reverse order.

Circuit Board Removal

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- Disassemble housings as described in Housing Disassembly above.
- Remove the 4 feet from the bottom of the unit.
- Remove the 4 screws under the feet.
- Remove the 4 screws securing the rear panel.
- Carefully pull the rear panel loose from the lower housing and disconnecting the power cord 3-pin connector.
- Remove lower housing from the assembly.
- Remove the 4 screws that secure the circuit board to the motor shroud.
- Disconnect wires from circuit board. Mark wire location if necessary.
- Reassemble in reverse order.

Switch w/ Cordset Assembly Removal/Replacement

- Remove 4 screws on the rear panel.
- Disconnect the power cord 3-pin connector.
- Reassemble in reverse order



Paddle Switches

- Disassemble housings as described in Housing Disassembly above.
- Disconnect the wires at the switch.
- Depress the 4 locking tabs that secure the switch to the upper housing and remove.
- Reassemble in reverse order.

Variable Speed Dial

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- Remove knob by firmly pulling it away from the upper housing.
- Disconnect variable speed dial wire from circuit board.
- Remove the nut securing the switch to the upper housing and remove switch.
- The switch is aligned in the housing with a tab and a notch.
- Reassemble in reverse order.



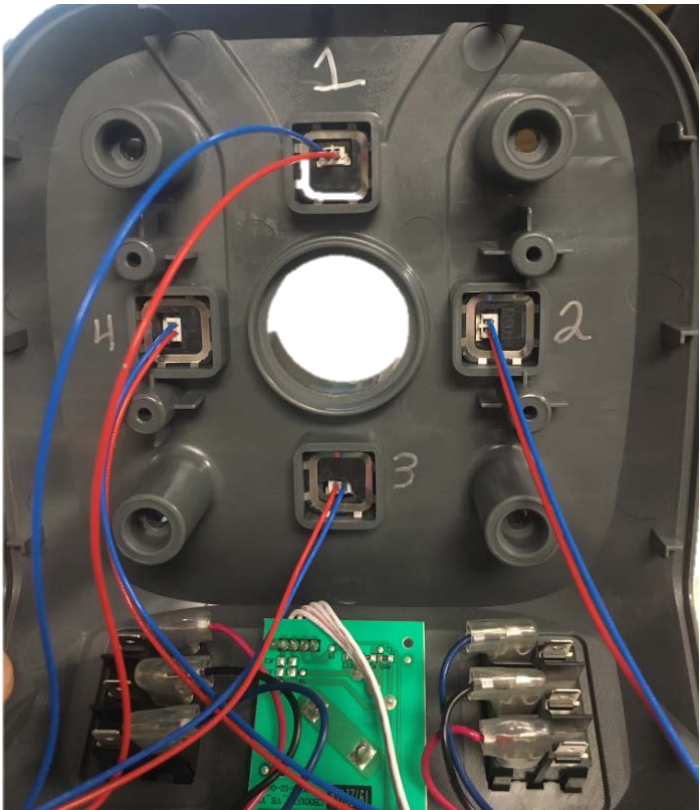
Circuit Board

- The white motor lead to terminal W1
- The red motor lead to terminal W2
- The yellow motor lead to terminal W3
- The brown motor lead to terminal W4
- The blue motor lead to terminal W5
- The green and yellow to terminal PE
- The brown power lead to terminal ACL
- The blue power lead to terminal ACN
- The variable speed dial lead connects to terminal CONA
- Jar interlock sensors installed in upper housing (image below)

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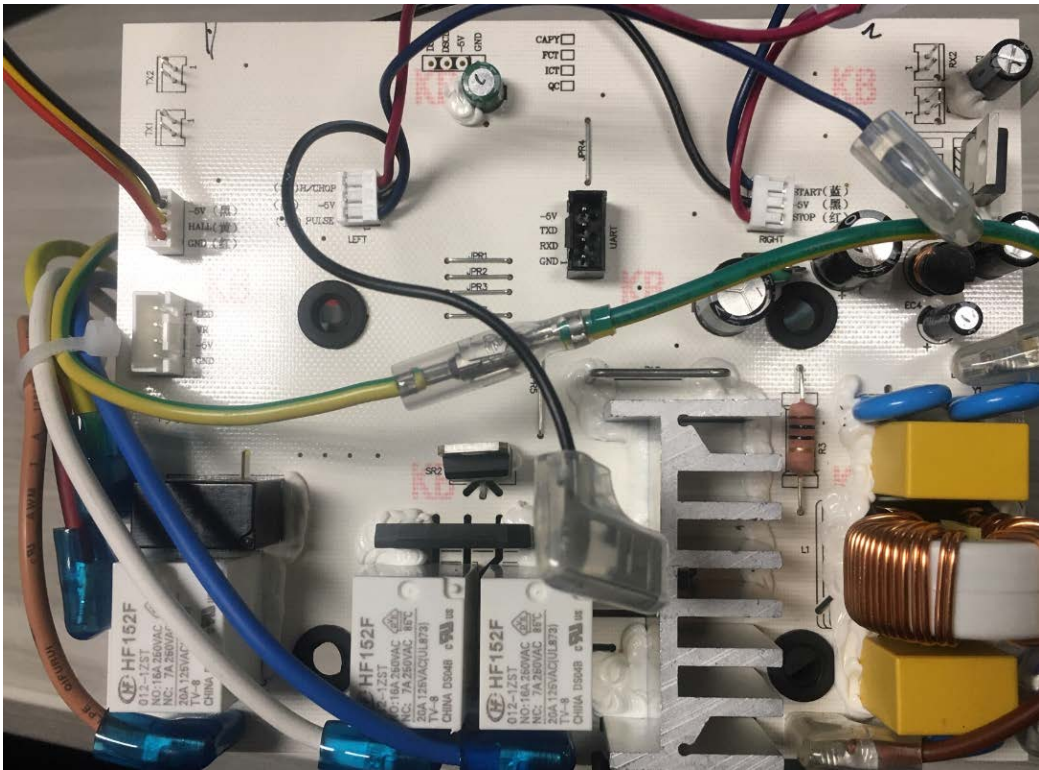
Base Sensors for Lid Interlock (through the Container) –
see list below for location/orientation in base and the connection points on the PCB

- Lead 1 to RX1
- Lead 2 to TX2
- Lead 3 to RX2
- Lead 4 to TX1
- Hall Effect lead to terminal CN11

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Power Cord

- Green cord lead connects to the motor ground.
- Blue cord lead connects to the lamp side of the circuit breaker switch.
- Brown cord lead connects to the open/closed side of the circuit breaker switch.

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