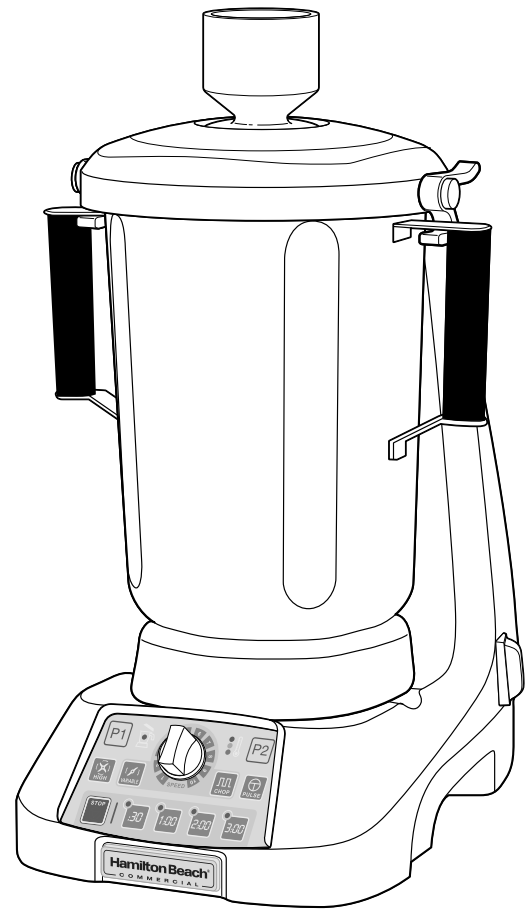


# Hamilton Beach®

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**HBF1100S Series**  
**4 Liters**

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## **IMPORTANT SAFETY INSTRUCTIONS**

**WARNING** – When using electrical appliances, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and/or injury to persons, including the following:

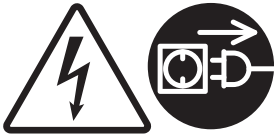
- All supervisors and staff must read the operation manual and be trained on the proper requirements for safe use and servicing. Keep operation manual accessible for reference.
- Before first use, wash container assembly in hot, soapy water. Do NOT place in dishwasher.
- Plug into an earthed socket.
- Do not remove ground.
- Do not use an adapter.
- Do not use an extension cord.
- Disconnect power before cleaning or servicing.
- To reduce risk of personal injury, unplug cord from socket when not in use and before putting on or taking off parts.
- Unplug the blender and inspect the power cord insulation for cracks on a weekly basis. Refer to “Technical Services” for repair or replacement.
- To protect against electrical shock, do not immerse cord, plug, or blender base in water or any other liquid.
- Do not clean equipment with a water jet.
- Extreme caution must be used when moving an appliance containing hot oil or other hot liquids.
- Do not use appliance for other than intended use.
- This appliance is not intended for use, cleaning, or maintenance by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they are given supervision and instruction concerning use of the appliance by a person responsible for their safety.
- Not intended for use by or near children. Children should be supervised to ensure that they do not play with the appliance.
- The use of accessory attachments and spare parts not recommended by the appliance manufacturer may cause injuries.
- To reduce risk of personal injury and to prevent damage to blender or container and cutter assembly, DO NOT insert utensils into blender container while operating blender. Inspect blades daily.
- Do not store any kitchen utensils in the container because the blender would be damaged if inadvertently turned on.
- To avoid a crush hazard and prevent possibility of serious personal injury, keep hands out of blender container while operating blender.
- Avoid contacting moving parts. Switch OFF (O) the appliance and disconnect from power supply before changing accessories, approaching parts that move in use, and before servicing.
- Blades are sharp. Handle carefully.
- If cutter assembly blades are loose, discontinue use immediately and replace cutter assembly. Do not attempt to repair or tighten cutter assembly.
- Inspect container and cutter assembly daily. Do not use broken, chipped, or cracked container. Check cutter for wear, nicks, or broken blades. Do not use broken, loose, or cracked cutting blades.
- Do not use outdoors.
- This appliance is intended for short periods of operation, with a rated operating time of 3 minutes.
- Do not leave blender unattended while it is operating.

- To prevent damage to blender, container, or cutter assembly, DO NOT move or shake blender while in operation. If blending action stops during operation, turn blender OFF (O), remove container from base, remove container cover, and use a thin rubber spatula to push mixture towards cutters.
- When blending hot liquids, remove center piece of two-piece lid. Hot liquids may push lid off jar during blending. To prevent possible burns: Do not fill blender jar beyond the 1 quart (946 ml) level. With the protection of an oven mitt or thick towel, place one hand on top of lid. Keep exposed skin away from lid. Start blending at lowest speed.
- Always operate blender with container cover in place.
- This blender is designed with motor overload protection. If the motor stops during operation due to overheating, unplug the unit and allow it to cool down for 15 minutes. Plug unit back in after 15 minutes to resume normal operation.
- The normal function of this product may be disturbed by strong electromagnetic interference. If this occurs, simply reset the product and resume normal operation by following the operation manual. If normal operation cannot be resumed, place the product in a different location.
- Do not operate any appliance with a damaged supply cord or plug, or after the appliance malfunctions or has been dropped or damaged in any manner. Supply cord replacement and repairs must be conducted by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard. Call the provided customer service number for information on examination, repair, or adjustment.
- Do not attempt to bypass interlock features.
- The equipment is provided with a power switch/circuit breaker. If the motor stops turning, reset the switch.
- **UK ONLY:** If fitted with a non-rewirable U.K. plug, the 13-amp fuse approved by ASTA to be B.S. 1362 must be used. If you need a replacement fuse carrier, it must be replaced with the same colour-coded carrier with the same markings. Fuse covers and carriers can be obtained from approved service agents.

**– SAVE THESE INSTRUCTIONS –**

This equipment is intended for professional use and should be used by trained and qualified personnel only.

**⚠ WARNING**



**Electrical Shock Hazard**  
Disconnect power before cleaning blender base.  
Failure to follow these instructions can result in death or electrical shock.



**Electrical Shock Hazard**  
Plug into an earthed socket.  
Do not remove earthing connections and plug.  
Do not use an adapter.  
Do not use an extension cord.  
Failure to follow these instructions can result in death, fire, or electrical shock.

**⚠ WARNING**



**Cut Hazard**  
The blending blade is sharp. Use care when cleaning or replacing.  
Do not put hands, spoons, or other utensils in container when blending.  
Always place lid on container when blending.  
Disconnect power before replacing parts or servicing.  
Failure to follow these instructions can result in broken bones, cuts, or other injuries.



**Burn Hazard**  
Always use caution when blending hot contents.  
Failure to follow these instructions can result in burns.

## Sanitizing

Sanitize using 1 tablespoon (15 ml) of household bleach per 1 gallon (3.8 liter) of clean, cool water (60°F/16°C), mixed according to the instructions on the bleach.

1. Fill container with sanitizing solution, replace cover and filler cap, and run on LOW (1) speed for 2 minutes. Empty container.
2. Wipe exterior with soft cloth dampened with sanitizing solution.
3. Immerse lid, blending jar with cutter assembly, and dosing cup in sanitizing solution for 2 minutes.
4. Place empty container on base and run on HIGH (10) speed for 2 seconds to remove any moisture from the cutter assembly.
5. **When ready to use**, rinse with clean water.

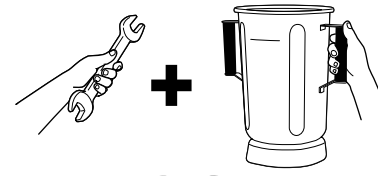
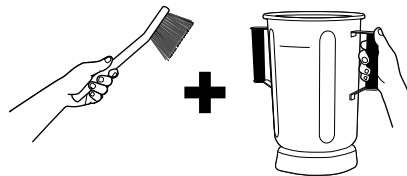
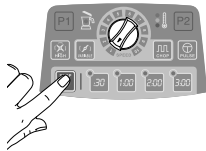
### Noise Level

The equivalent continuous sound level when equipment is operating at maximum speed on no-load is less than 85 dB(A).

## Technical Services

For assistance or replacement parts, call our  
Technical Services number:  
+ 1-910-693-4277  
[www.hamiltonbeachcommercial.com](http://www.hamiltonbeachcommercial.com)

## FOR COMMERCIAL USE ONLY



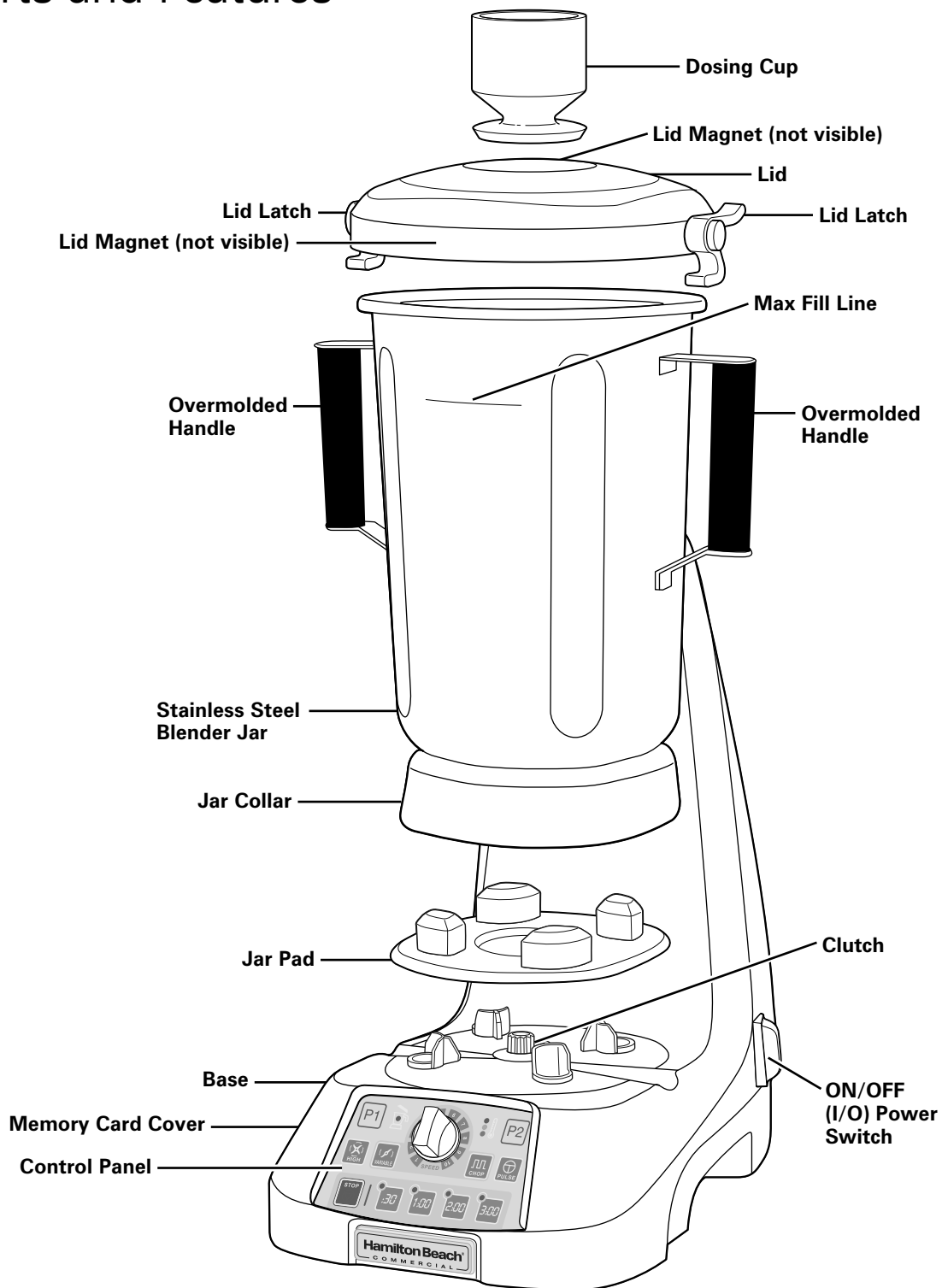
The EC declaration of conformity for this equipment is available in the Technical Support section of our website [www.hamiltonbeachcommercial.com](http://www.hamiltonbeachcommercial.com).



### Recycling the Product at the End of Its Service Life

The wheeled bin symbol marked on this drink mixer signifies that this equipment should be taken over by a selective collection system conforming to the Guideline 2002/96/EC (WEEE) so that it can be either recycled or dismantled in order to reduce any impact to the environment. The user is responsible for returning the product to the appropriate collection facility, as specified by your local code. For additional information regarding applicable local laws, please contact the municipal facility and/or local distributor.

# Parts and Features



## To load custom programs with the memory card:

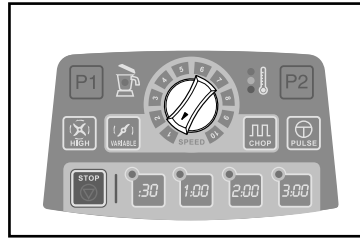
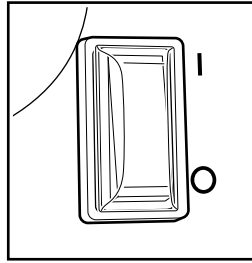
1. Turn OFF (O) and unplug unit.
2. Remove the memory card cover.
3. Insert memory card.
4. Plug in unit and turn ON (Reset) (I).
5. Wait 3–5 seconds.
6. Turn OFF (O) and unplug unit.
7. Remove memory card and reinstall memory card cover.

# Using the Controls



	<p><b>Variable Speed Control</b> Speeds 1–10. Works with VARIABLE or CHOP functions.</p>
	<p><b>HIGH</b> Speed starts LOW and ramps to HIGH.</p>
	<p><b>VARIABLE</b> Works with Variable Speed Control.</p>
	<p><b>CHOP</b> Works with Variable Speed Control.</p>
	<p><b>PULSE</b> Press and hold for desired time.</p>
	<p><b>P1 and P2</b> Preset program buttons. P1 and P2 can be changed to a different preprogrammed cycle.</p>
	<p><b>Interlock Lid Indicator Light</b> The red light will flash when lid is not in place. The red flashing light will stop when lid is in place and blending can start.</p>
	<p><b>Thermal Overload Protection</b> Temperature gauge alerts operator if motor overheats while blending back-to-back batches.</p>
	<p><b>LED Lighted Preset Timer Panel</b> Programmed for 30 seconds, 1 minute, 2 minutes, and 3 minutes. <b>NOTE:</b> 3 minutes is the default setting.</p>
	<p><b>STOP</b> Press STOP or any button to stop operating.</p>

# Operation



- Plug in blender.
- Turn switch ON (I).
- The 3-minute (3:00) LED light is the default time on the control panel when plugged in.
- Interlock lid red indicator light will be flashing.
- When jar and lid are in place, light will stop flashing.
- START by using the controls below.
- Select an option:
  - Press any timer button (:30, 1:00, 2:00, 3:00) and press HIGH, OR
  - Press any timer button (:30, 1:00, 2:00, 3:00), press VARIABLE, and turn variable speed dial, OR
  - Press any timer button (:30, 1:00, 2:00, 3:00), press CHOP, and turn variable speed dial, OR
  - Press PULSE. Pulse is not associated with the timer buttons.
- Press STOP or any button to stop operation.

# Troubleshooting Guide

Problem . . .	Solution . . .
Blender fails to start or stops while it is running and cannot be restarted.	<ul style="list-style-type: none"> <li>• Check to see if unit is securely plugged into an electric socket.</li> <li>• Check to see if the fuse for the electric socket has blown or if a circuit breaker has tripped.</li> <li>• Check control panel for red flashing interlock lid light. Realign lid. Start blending.</li> <li>• The motor is overheated. Try mixing smaller batches or running for shorter cycle times. Allow motor to cool between batches.</li> </ul>
Ingredients will not mix properly.	<ul style="list-style-type: none"> <li>• Check to see if enough liquid has been added to the ingredients. Mixture should be fluid and free-running at all times.</li> <li>• Solid pieces are too large. Cut pieces smaller.</li> <li>• Cutters are not sharp or are damaged. Inspect container and cutter assembly daily. Replace container and cutter assembly if damaged.</li> <li>• Check to see if cutter assembly is installed properly.</li> <li>• Select speed to create a fluid blend.</li> </ul>

# Maintenance

Inspect the blender and its various parts and replace as follows:

Daily	Unplug the blender, remove the container from the base, and then inspect the container and cutter assembly for wear, nicks, and broken or loose blades. If the blades are nicked, broken, or loose, discontinue use immediately and replace the container or cutter assembly. See "Replacement Parts" on website <a href="http://www.hamiltonbeachcommercial.com">www.hamiltonbeachcommercial.com</a> .
Weekly	Unplug the blender, and then inspect the power cord insulation and power plug for cracks. Refer to "Technical Services" for repair or replacement. Remove jar from blender base. Inspect the cutter assembly by rotating the drive end of the cutter assembly by hand. It should turn smoothly. If it does not, replace the container or cutter assembly.



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