



# OWNER'S MANUAL

FOR THE TURBOCHEF BULLET™ RAPID COOK OVEN





For further information, call  
800.90TURBO  
or  
+1 214.379.6000

The information contained in this manual is important for the proper installation, use, maintenance, and repair of this oven. Follow these procedures and instructions to help ensure satisfactory cooking results and years of trouble-free service.

Errors – descriptive, typographic, or pictorial – are subject to correction. Specifications are subject to change without notice.

Please carefully read this manual and retain it for future reference.

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# IMPORTANT SAFETY INSTRUCTIONS

**⚠ WARNING:** When operating this oven, strictly adhere to the following safety precautions to reduce the risk of burns, electric shock, fire, injury, damage to oven or property near oven, or possible exposure to excessive microwave energy.

## GENERAL SAFETY INFORMATION

- ✓ Read all instructions before using this appliance.
- ✓ Read and follow the specific “Precautions to be Observed to Avoid Possible Exposure to Excessive Microwave Energy” found on page ii.
- ✓ This appliance must be grounded. Connect only to a properly grounded outlet. See “Grounding Instructions” on page ii.
- ✓ Install or locate this appliance only in accordance with the provided installation instructions.
- ✓ This appliance should be serviced by qualified service personnel only. Contact the nearest authorized service facility for examination, repair, or adjustment.
- ✓ Keep the cord away from heated surfaces.
- ✓ Liquids, such as water, coffee, or tea are able to be overheated beyond the boiling point without appearing to be boiling. Visible bubbling or boiling when the container is removed from the microwave oven is not always present. THIS COULD RESULT IN VERY HOT LIQUID SUDDENLY BOILING OVER WHEN THE CONTAINER IS DISTURBED OR A UTENSIL IS INSERTED INTO THE LIQUID.
- ✓ **WARNING:** The contents of feeding bottles and baby food jars must be stirred or shaken and the temperature checked before consumption, in order to avoid burns (IEC 60335-2-90).
- ✓ Use this appliance only for its intended uses as described in this manual.
- ✓ Only use utensils that are suitable for use in microwave ovens (IEC 60335-2-90).
- x **DO NOT** use corrosive chemicals or vapors in this appliance; it is not designed for industrial/laboratory use.
- x **WARNING:** DO NOT heat liquids or other foods in sealed containers (e.g., jars, whole eggs, etc.) since they are liable to explode.
- x **WARNING:** Failure to maintain the oven in a clean condition could lead to deterioration of the surface that could adversely affect the life of the appliance and possibly result in a hazardous situation.
- x **DO NOT** allow children to use this appliance.
- x **DO NOT** operate this appliance if it has a damaged cord or plug, is not working properly, or has been damaged or dropped. See “Power Cord Replacement” found on page ii.
- x **DO NOT** cover or block any openings on this appliance.
- x **DO NOT** store this appliance outdoors.
- x **DO NOT** use this product near water (e.g., near a kitchen sink, in a wet basement, near a swimming pool).
- x **DO NOT** immerse the cord or plug in water.
- x **DO NOT** let the cord hang over the edge of a table or counter.
- x **DO NOT** use a water jet for cleaning. See pages 5-7 in this manual for proper cleaning procedures.
- x **DO NOT** use this product without the bottom jetplate installed. The oven will not cook properly and damage to the oven may occur.
- x This appliance is not to be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

## REDUCING FIRE RISK

- ✓ Remove wire twist-ties from paper or plastic bags used to facilitate cooking in the oven.
- ✓ If materials inside the oven ignite, keep the oven door closed, turn the oven off, and disconnect the power cord or shut off power at the fuse or circuit breaker panel.
- ✓ If smoke is observed, switch off or unplug the oven. Keep the door closed to stifle any flames.

## GROUNDING INSTRUCTIONS


This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This oven is equipped with a cord that has a grounding wire with a grounding plug, which must be plugged into an outlet that is properly installed and grounded. Consult a qualified electrician or serviceman if uncertain about the ability to follow grounding instructions or if in doubt as to whether the appliance is properly grounded.

- x DO NOT use an extension cord. If the power cord is too short, have a qualified electrician or serviceman install an outlet near the appliance.

 **WARNING:** Improper grounding can result in risk of electric shock.

## POWER CORD REPLACEMENT OR REMOVAL

If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or a similarly qualified person.

 **WARNING:** If the oven is unplugged during service or maintenance, the user must be able to access and see the plug at all times to ensure that the oven remains unplugged. The plug must remain near the oven and cannot be placed behind another appliance or in another room.

## PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- (a) Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.
- (b) Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.
- (c) Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the: (1) Door (bent), (2) hinges and latches (broken or loosened), (3) door seals and sealing surfaces.
- (d) The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

## RF INTERFERENCE CONSIDERATIONS

This oven generates radio frequency signals. This device has been tested and was determined to be in compliance with applicable portions of FCC part 18 requirements and to the protection requirements of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility at the time of manufacture. However, some equipment with sensitivity to signals below these limits may experience interference.

If your equipment experiences interference:

- ✓ Increase the physical separation between this oven and the sensitive equipment.
- ✓ If the sensitive device can be grounded, do so following accepted grounding practices.
- ✓ If battery-powered microphones are being affected, ensure that the batteries are fully charged.
- ✓ Keep sensitive equipment on separate electrical circuits if possible.
- ✓ Route intercom wires, microphone wires, speaker cables, etc. away from the oven.



## PROTECTIVE EARTH (GROUND) SYMBOL



This symbol identifies the terminal which is intended for connecting an external conductor for protection against electric shock in case of a fault, or the terminal of a protective earth (ground) electrode.

## EQUIPOTENTIAL BONDING SYMBOL



This symbol identifies the terminals which, when connected together, bring the various parts of an equipment or of a system to the same potential, not necessarily being the earth (ground) potential, e.g. for local bonding.

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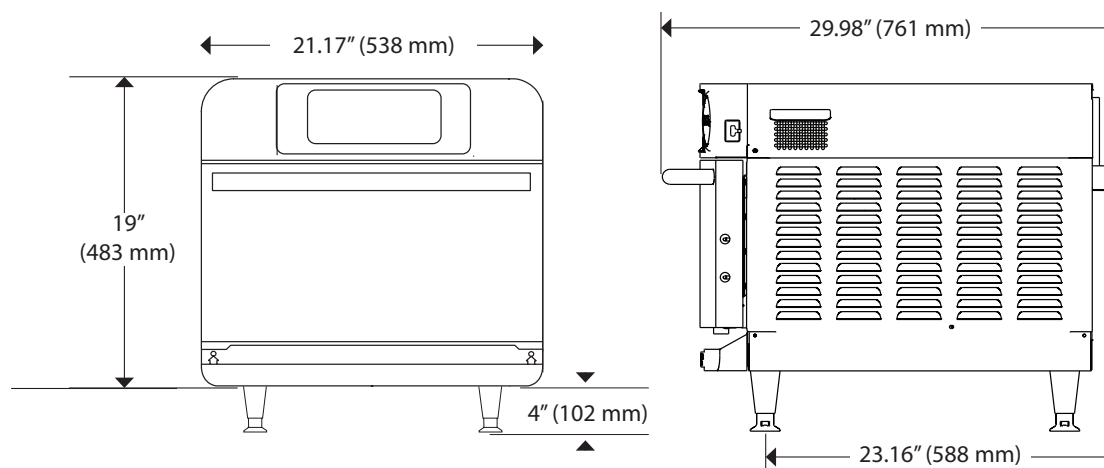


Figure 1: Bullet Oven Dimensions

## Theory of Operation

The TurboChef Bullet oven uses radiant heat in combination with high-speed air impingement and side-launched microwave to cook food rapidly without compromising quality. Performance and menu versatility are maximized due to flexible top and bottom temperature settings and the ability to set the amount of microwave and air in different phases of each recipe.

This manual includes instructions for installing, cleaning, and operating the oven. If you have questions that are not addressed in this manual, contact Customer Support at 800.90TURBO (USA) or +1 214.379.6000 (International), or your Authorized Distributor.

## Features

- Capacitive touch screen with industrial-grade tempered glass cover
- Manual mode for on-the-fly cooking
- Localized translations
- Enhanced data logging for troubleshooting assistance and learning which products are being cooked and when
- New menu editing tools and USB
- WiFi/Open Kitchen™ ready

## Dimensions

### Oven Dimensions

#### Height - Single Oven

with legs: 23" (584 mm)

without legs: 19" (483 mm)

#### Height - Stacked Ovens

lower oven with legs: 42" (1067 mm)

lower oven without legs: 38" (965 mm)

Width: 21.17" (538 mm)

#### Depth

footprint: 27.51" (699 mm)

door closed: 29.98" (761 mm)

door open: 36.47" (926 mm)

Weight: 185 lb. (84 kg)

### Cook Cavity Dimensions

Height: 6.0" (152 mm)

Width: 15.5" (394 mm)

Depth: 14.5" (368 mm)

Volume: 0.78 ft<sup>3</sup> (22.1 liters)

### Clearances

Top: 5" (127 mm)

Sides: 2" (51 mm)

## Certifications

cULus, UL EPH, TÜV, CE, FDA



## Oven Construction

### Exterior

- Stainless steel front, top, and sides
- Stainless steel removable grease collection pan
- Cool-to-touch exterior; all surfaces below 131°F (55°C)
- Ergonomic door handle
- 7-inch capacitive touch screen with tempered glass cover

### Interior

- 201 stainless steel
- Fully welded and insulated cook chamber
- Removable rack and lower jetplate

## Electrical Specifications

TurboChef recommends a Type D circuit breaker for all installations outside the United States.

### Single Phase (6200 watts)

US/Canada: 208/240 VAC\*, 60 Hz, 30 A

Europe/Asia (UK): 230 VAC, 50 Hz, 30 A

Brazil (BK): 220 VAC, 60 Hz, 30 A

Latin America (LA): 220 VAC, 60 Hz, 30 A

Japan (JK): 200 VAC, 50 or 60 Hz, 30 A

### Multiphase (6200 watts)

Europe/Asia Wye (EW): 400 VAC, 50 Hz, 16 A

Europe/Asia Delta (ED): 230 VAC, 50 Hz, 30 A

Japan Delta (JD): 200 VAC, 50 or 60 Hz, 30 A

Korea/Middle East Wye (KW): 400 VAC, 60 Hz, 16 A

Korea/Middle East Delta (SD): 230 VAC, 60 Hz, 30 A

- \* US/Canada models include a voltage sensor that detects 208 or 240 VAC, but does not compensate for lack-of or over-voltage installations.

## Installation

Install or locate this appliance only in accordance with the instructions below.

### Unpacking Instructions

1. Remove the oven from its packaging.
2. Before discarding, check the packaging thoroughly for accessories and literature.

NOTE: Keeping the packaging is recommended in case the oven may be shipped to another location.

3. Check the cook cavity thoroughly for packaging, accessories, and literature.
4. Discard any packaging in the cook cavity.

### Installation Warnings - Read Before Lifting Oven



**WARNING:** The oven weighs approximately 185 lb. (84 kg). Never lift with fewer than two people.



**WARNING:** Never lift the oven by the door handle. Doing so will cause the door to misalign, resulting in a non-warranty service call.



**WARNING:** The oven must be properly placed on a food station at all times. TurboChef will not recognize a fallen oven as a warrantable claim and is not liable for any injuries that may result.



**WARNING:** This oven is not intended for built-in installation (i.e., installing the oven in any structure that surrounds the oven by five or more sides). Be sure to provide a minimum of 2" (51 mm) clearance for all sides and 5" (127 mm) clearance for the top.



**WARNING:** This oven is not intended to be stacked without appropriate hardware. Contact TurboChef for details.



**WARNING:** Never stack ovens more than two high.

## Installing the Oven

1. Prepare a surface capable of supporting 190 lb. (86 kg) or 380 lb. (172 kg) if stacking. The surface must be 27.45" (697 mm) deep.
2. If installing onto an oven cart:
  - a. Ensure the oven cart casters are locked.
  - b. Ensure the oven legs are removed.
  - c. Drilling additional holes in the counter surface/cart for stability is required if the existing holes in the cart/surface do not align with the leg holes of the oven. For details, contact customer support at 800-90TURBO or +1 214-379-6000.
3. Position one or more persons at the front and back of the oven.
4. Place hands under the oven and lift.
5. Place the oven on the prepared surface, ensuring no edges are hanging off the sides.
6. If stacking two ovens:
  - a. See page 1 for dimensions.
  - b. Install the stacking bracket (part number ENC-3001) to the lower oven.
  - c. Place the upper oven on top of the lower oven.
  - d. Secure the bracket to the top oven.
7. Ensure the oven rack is properly installed to each oven (attached to the bottom jetplate).

8. Plug in the oven.

NOTE: The oven is primarily serviced through its sides and top. Shelving installed directly over the unit may delay servicing. The owner will be responsible for paying service costs for additional time spent accessing the oven.

## Installation Near Open Heat Source

When placing a TurboChef oven near an open heat source (see Figure 2, below), strictly adhere to the following:

- If the oven is being placed near a grill or stove, a divider must exist between the oven and the open heat source, with a minimum of 6" (152 mm) between the oven and the divider.
- If the oven is being placed near a fryer, a divider must exist between the oven and fryer, with a minimum of 12" (305 mm) between the oven and the divider.
- The height of the divider must be greater than or equal to the height of the oven (see page 1).
- Verify the oven location has a minimum 5" (127 mm) clearance on top and a minimum 2" (51 mm) clearance on each side.

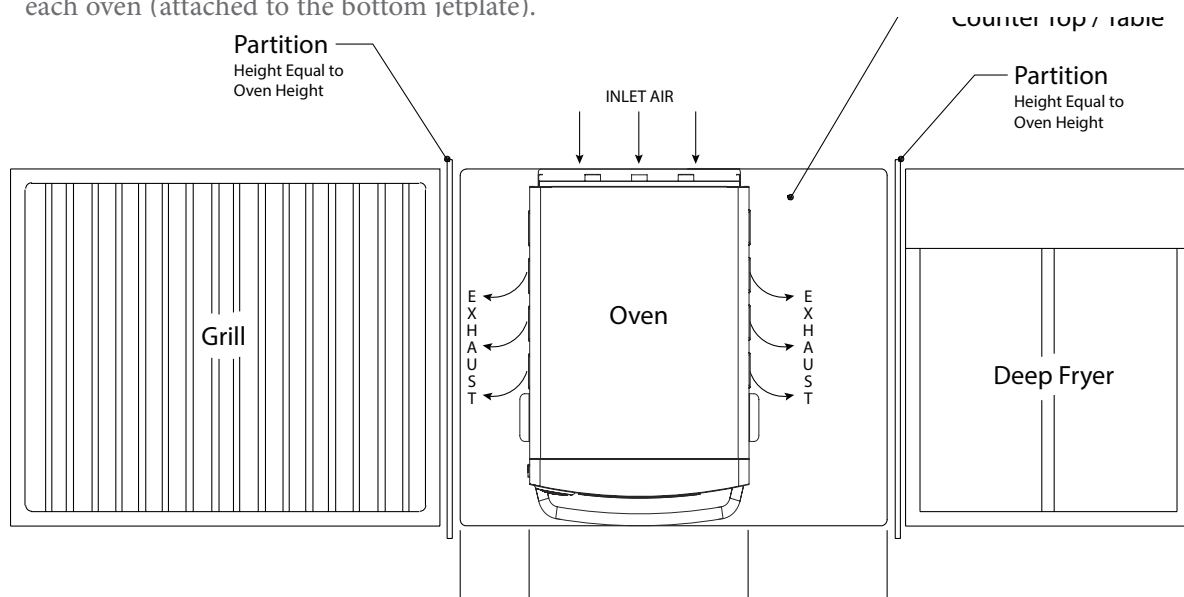


Figure 2: Installation Near Open Heat Source

## Oven Restraint Kit

Part Number: TC3-0242



**WARNING:** The Oven Restraint Kit will not prevent the oven from falling off a countertop if the oven is pulled off or allowed to slide off the edge. Installation instructions are included with the kit.

## ChefComm OneTouch

Part Number: CON-7006

ChefComm OneTouch lets you easily create menu settings on a computer and upload them to an oven via USB. For more information, call TurboChef Customer Support at 800.90TURBO or +1 214.379.6000.

## Date and Time Prompt (Legacy Only)

The oven maintains a data log that contains valuable information about the operation of the oven, including faults, items cooked, and other events. An accurate date and time are important for the data log. If the oven loses the date and time as a result of prolonged disconnection from power, a prompt will alert the operator to set the date and time.

## Open Kitchen™

Open Kitchen® from Powerhouse Dynamics, a Middleby company, is an Internet of Things (IoT) solution used by foodservice operators to connect and monitor HVAC, refrigeration, and foodservice cooking equipment, across any brand. This level of connectivity provides access to real-time data on food prep and storage, tracks and handles energy management on HVAC equipment, gives visibility on important key performance indicators, and empowers chefs to remotely distribute recipe updates to cooking equipment, which is a big asset for chains and multi-location restaurants.

Open Kitchen connectivity is now available as a bundled option with your newly purchased TurboChef equipment.

## ConnectWare

Connectware® is a versatile, plug-and-play communications module designed to enable equipment in restaurants, retailers, and other facilities to connect to the Cloud. Powerhouse Dynamics developed ConnectWare to take the burden and expense of communications support from the OEMs and provide a consistent yet flexible method that enables their equipment to communicate.

ConnectWare simply plugs into a factory installed ConnectWare Dock; no installation required.

### ConnectWare supports multiple communications protocols:

- Wi-Fi (includes the highly secure Microsoft Azure Sphere® chipset)
- Ethernet version also available
- Plug and play across protocols, making it “future proof”

## Voltage Selection

For North America oven models, the oven will detect 208 or 240 incoming voltage.

If incoming voltage for the store is different than the factory-preset voltage, the operator will be required to select either 208 or 240. The correct voltage will be enlarged on the screen, identifying which option to touch (see below).

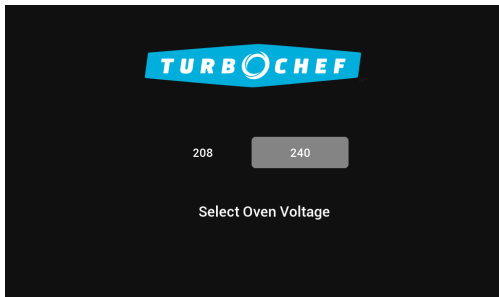


Figure 3: Selecting Voltage

## Ventilation

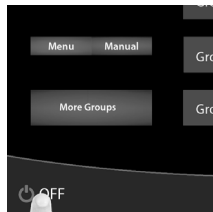
The TurboChef Bullet oven has been approved by Underwriter's Laboratory for ventless operation (UL KNLZ listing) for all food items except for foods classified as "fatty raw proteins." Such foods include bone-in, skin-on chicken, raw hamburger meat, raw bacon, raw sausage, steaks, etc. If cooking these types of foods, consult local HVAC codes and authorities to ensure compliance with ventilation requirements.

To ensure continued compliance with all health, building, and fire codes, you are required to maintain clean and sanitary conditions around your oven at all times.

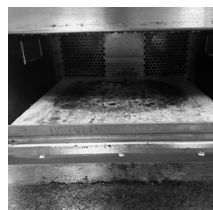
NOTE: In no event shall the manufacturer assume any liability for damages or injuries resulting from installations which are not in compliance with the instructions and codes previously listed. Failure to comply with these instructions could result in the issuance of a temporary cease and desist order from the local health department until the environment concerns are addressed.

## Daily Maintenance

Follow the steps below when cleaning your oven. Use only TurboChef®-approved cleaning chemicals. Failure to adhere to these procedures or the use of any other cleaning products may damage critical oven components, resulting in a non-warranty service call.



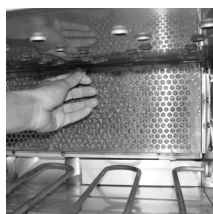
Step 1



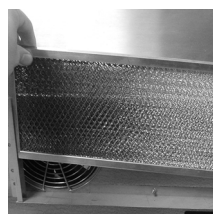
Step 2



Step 3



Step 4



Step 5

## Supplies and Equipment

TurboChef® Oven Cleaner (Product Number: 105704), TurboChef® Oven Guard (Product Number: 105703), nylon scrub pad, clean damp and dry towels, disposable gloves, protective eyewear, dust mask (optional).

\* The Bullet includes a standard oven cleaner kit with oven guard (Product Number 105701).

### Step 1: Cool the Oven

**⚠ WARNING:** The oven operates at approximately 500°F (260°C) and may cause injury if not allowed to cool properly.

- Turn off the oven by touching the Off icon.
  - Slightly open the oven door.
  - Cooling takes approximately 30 minutes.
- ⊘ DO NOT proceed to Step 2 until the oven displays “ready to clean.”

### Step 2: Clean the Baking Stone

- Remove the baking stone and GENTLY dry-scrub with a nylon scrub pad to remove food particles.
- ⚠ WARNING:** Scrubbing too vigorously can cause the baking stone to crack and break.
- ⊘ DO NOT immerse the baking stone in water. If it is immersed by accident, allow it time to thoroughly air-dry before using; otherwise it may crack.

### Step 3: Clean the Jetplate

- Lift the front of the jetplate.
  - Pull the jetplate forward and remove it from the oven.
  - Wash, rinse, sanitize, and dry the jetplate.
- ⊘ DO NOT clean the jetplate with a wire brush.

### Step 4: Clean the Cavity Filter (if present)

The filter must remain in place during oven operation, and it must be cleaned regularly or replaced if damaged.

- Remove the cavity filter from the back cavity wall by lifting the tab and pulling the filter towards you.
  - Rinse the filter with hot water.
  - Allow the filter to dry completely.
- ⊘ DO NOT scrub or pull apart the mesh in the filter frame.

### Step 5: Clean the Back Air Filter

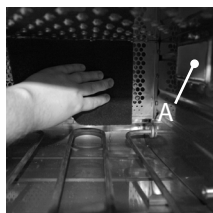
The filter must remain in place during oven operation, and it must be cleaned regularly or replaced if damaged.

- Remove the air filter from the back of the oven.
- Rinse the air filter with hot water.
- Allow the air filter to dry completely.





Step 6



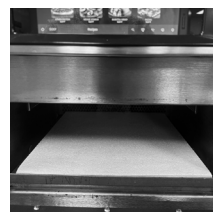
Step 7



Step 8



Step 9



Step 10



Step 11

### Step 6: Remove Large Food Particles

- The heating element can be lifted for cleaning underneath.
- ⊗ DO NOT attempt to clean the heating element.
  - Use a food vacuum or damp towel to remove large particles from the oven cavity.

### Step 7: Clean the Oven Cavity

- ⊗ DO NOT spray TurboChef® Oven Cleaner into the holes in the oven cavity.
  - Apply Oven Cleaner to a towel or nylon scrub pad and clean the top, sides, and bottom of the cavity.
- ⊗ DO NOT apply excessive pressure to the waveguide covers (A), located on each side of the cavity.
  - For stubborn stains, sparingly spray Oven Cleaner on the stain.
  - Allow the Oven Cleaner to penetrate the stain for five minutes, then wipe clean.
- ⊗ DO NOT use a hose or water jet for cleaning.

### Step 8: Wipe Down the Oven Cavity

- Wipe down the oven cavity with a damp towel.
- Dry the oven cavity with a dry towel.

### Step 9: Clean and Dry the Oven Door

- Clean the oven door with Oven Cleaner and a nylon scrub pad.
- Wipe the oven door with a damp towel.
- Dry the oven door with a dry towel.

### Step 10: Reinstall Components

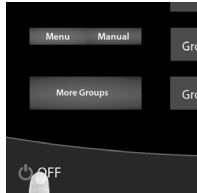
- Reinstall the cavity filter (if present). Be sure to align the top-left post on the back of the filter with the top-left hole on the back cavity wall. This will ensure the other posts on the back of the filter fit into the wall.
- Reinstall the jetplate and baking stone.
- ⊗ DO NOT operate the oven without the bottom jetplate installed. Doing so may damage the oven.
  - Close the oven door.
  - Reinstall the filter, or replace it with a new one if the mesh is deteriorated, has large openings, or has started to dislodge from the frame.

### Step 11: Clean the Oven Exterior

- Wipe the oven exterior with a damp towel.
- Remove the panel beneath the door, remove any large food particles from the panel, and wipe it with a damp towel.
- Reinstall the crumb tray beneath the door.
- ⊗ DO NOT spray chemicals into any openings, such as the louvers on the side panels or the rear vent catalyst housing.
  - The oven is ready to turn on.

## Quarterly Maintenance

To ensure optimal oven performance, complete the following cleaning steps once per quarter or more frequently as required.

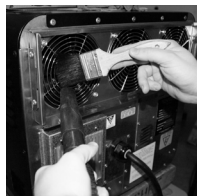


1. Complete the daily cleaning instructions (pages 5-6).

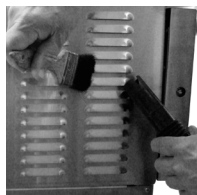
**CAUTION:** Make sure the oven is off before proceeding.



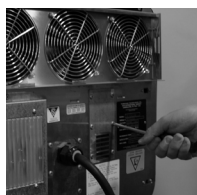
2. Remove the air filter.



3. Clean the cooling fans and finger guards.  
NOTE: A bristle or paint brush and vacuum are recommended for collecting the debris.



4. Clean the louvers on both side panels.  
NOTE: A bristle or paint brush and vacuum are recommended for collecting the debris.



5. Using a Phillips screwdriver, remove the screws from the rear vent catalyst housing. Support the cover with your hand.

## Supplies and Equipment

Required: Phillips screwdriver, clean towels, rubber gloves for handling catalytic converter.

Recommended: dust mask, vacuum, bristle or paint brush



6. The catalytic converter is accordion style and will pop out when the cover is removed. Remove the cover slowly to keep the catalytic converter in place.

**CAUTION:** DO NOT attempt to clean the catalytic converter or spray chemicals in this area.



7. Reattach the outer cover, making sure the vent holes are at the bottom.

**CAUTION:** Installing the outer cover upside down could result in excessive grease buildup and/or hot steam present when the oven door is opened.



8. Wipe down the back panel with a clean, damp towel.



10. Reinstall the air filter. The oven is ready to turn on.

## Oven Controls: OneTouch Controller

### 1. Power Icon

Touch to begin preheating. By default, the oven preheats to the lowest set temperature.

### 2. Group Select

Select a group and the oven will preheat to its set temperature. The set temperature will be displayed near the group name. If “All Recipes” is selected, the oven will preheat to the lowest recipe temperature in the menu.

### 3. Off Icon

Touch to turn the oven off (cool down).

### 4. Temperature Icon

While the oven is preheating, touch to view progress (9). While the oven is at temp (idle), this button will not be operational, but will display the oven temperature for informational purposes.

### 5. Recipes

When in Manual Cook Mode (6) or Preheat Progress (9), touch “Recipes” to return to Recipe Cook Mode. If the oven is preheating, it will not allow recipes to be elected for cooking until the set point is reached.

### 6. Manual Cook

Touch to enter Manual Cook Mode (page 11).

### 7. WiFi Network/Network Settings

If the oven is connected via WiFi or Ethernet to Open Kitchen™, information about the connection status will be visible here.

### 8. Settings Icon

Touch to access Info Mode (page 12). A pass code (9 4 2 8) will be required.

### 9. Edit Icon

The Edit icon will only be displayed when Edit Mode (page 14) is enabled. Touching this icon will allow you to edit menu items.

### 10. Preheat Progress

Indicates preheat progress; touch the temperature icon (4) to view.

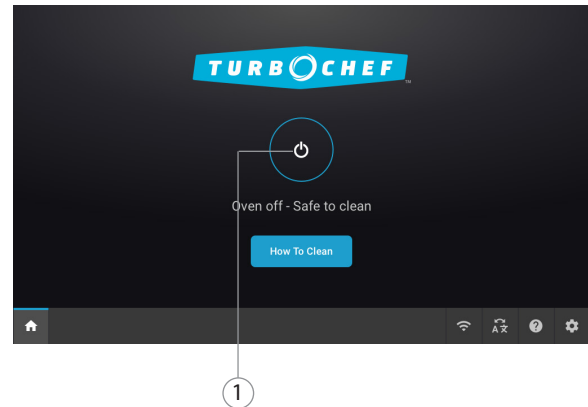


Figure 4: Oven Controls: OneTouch Power On

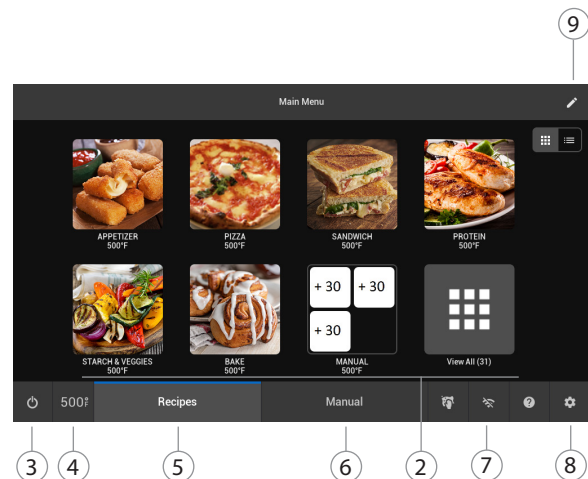


Figure 5: Oven Controls: Group/Temperature Select

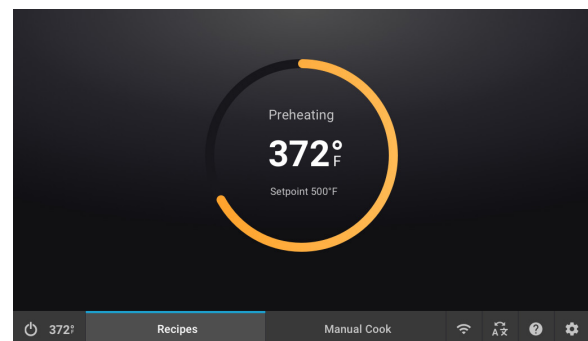


Figure 6: Oven Controls: OneTouch Preheat

NOTE: Display options vary depending on which features are enabled.

## Recipe Mode: OneTouch Controller

The oven is preprogrammed with recipe settings at the time of manufacture and is ready to operate out of the box. New menu settings can be loaded via USB (page 13) or programmed manually (page 11). If settings are not present, the oven will cook only in manual mode (page 11).

This oven uses impingement and microwave to cook food faster than traditional cooking methods. Air enters the cavity from the top and bottom using a single fan. Because of this design and to ensure uniformity of cooking, the oven must be operated only while the bottom jetplate is in place. While the bottom jetplate is removable for cleaning, it is not removable for cooking. Without the bottom jetplate in place, the oven will not deliver the proper cooking performance to either the top or bottom of the food item. Additionally, oven damage may result.

The sequence of the steps below may vary, and some may not apply.

**Step 1: Touch the Power Icon in the center of the screen to begin preheat.**

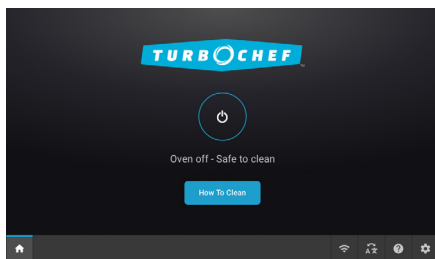


Figure 7: Power Icon

**Step 2: Select a group to select a set temperature.**

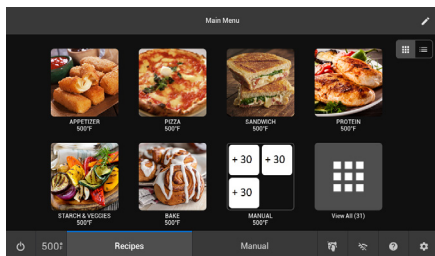


Figure 8: Group/Temperature Selection

**NOTE:** The legacy controller has universal temperatures. The OneTouch controller allows temperature to be set per recipe, and then like-temperature recipes to be added to groups. If multiple groups contain the same set temperature, then select any one of them to preheat. Until a group is selected, the oven will preheat to the lowest set temperature in the menu.

**Step 3: Preheat Progress**

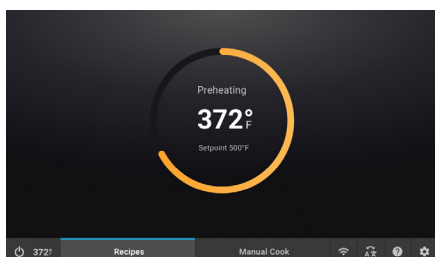


Figure 9: Preheat

**NOTE:** When the oven is done warming up, it will “soak” for an additional eight minutes. “Soaking” ensures the cavity surfaces absorb enough heat so that cooking will not be affected.

While the oven is preheating, you can touch the “Recipes” button to view recipes or select a new group.

Step 4: Place Food in the Oven and Select a Recipe

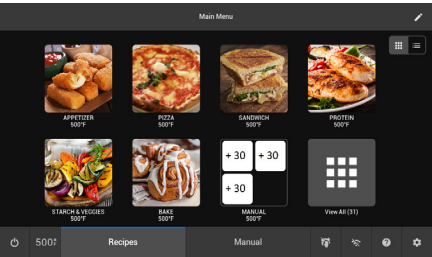



Figure 10: Recipe Selection

 **WARNING:** Inside of oven and oven door are hot!

Step 5: Cooking

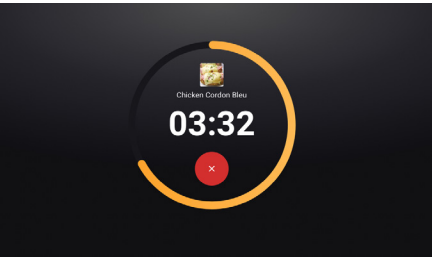



Figure 11: Cooking

Note: To immediately stop a cook cycle, touch the red “X.”

 **CAUTION:** Opening the oven door while the cook timer is counting down could shorten the lifespan of critical oven components.

Note: If the oven door is opened during a cook cycle, the cycle will pause until the door is closed.

Step 6: Cooking Alerts

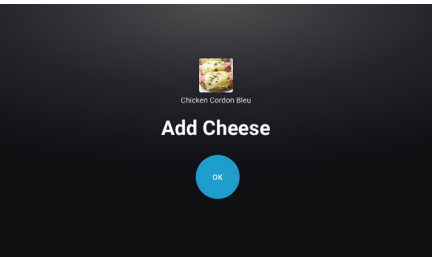


Figure 12: Mid-cook Alert

Note: Some recipes may include alerts that require action mid-cook.

Step 7: Check/Remove Food from Oven

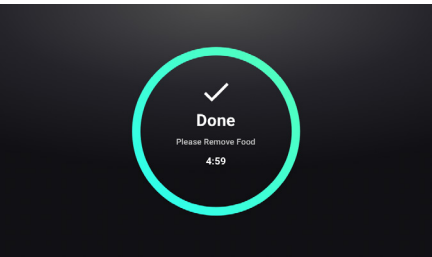


Figure 13: Check Food Timer

 **WARNING:** Dish/inside of oven and door are hot!

Step 8: Cooling Down

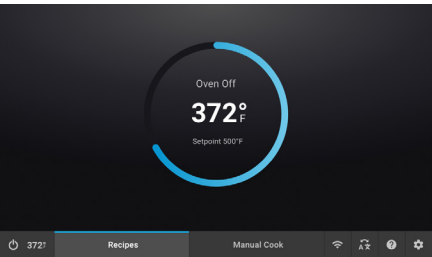


Figure 14: Off/Cooling Down

When finished cooking for the day, touch the power button (bottom left corner) to begin cooling down.

## Manual Cook Mode: OneTouch Controller

Manual Cook Mode allows cooking “on the fly,” whereas Recipe Mode (page 9) allows cooking from preset cook settings. To access Manual Mode, touch the Manual icon when the oven is preheating or idling in the Recipe Mode (page 8).

NOTE: If the “Manual” icon is not present, see page 12 to make it appear.

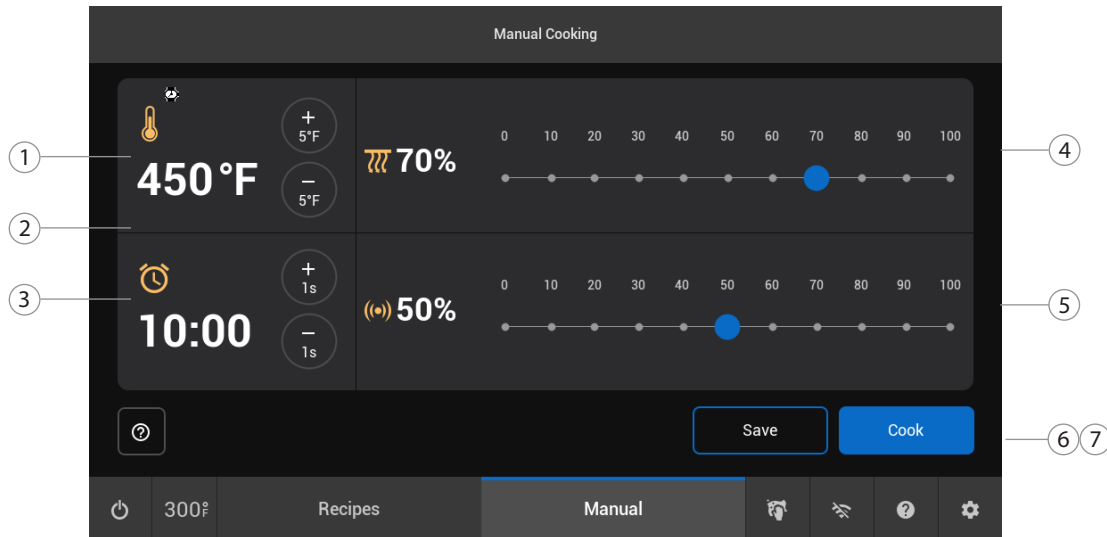


Figure 15: OneTouch Manual Mode

### 1. Set Temperature

Temperature can be set by touching or holding down the +5° or -5° buttons.

### 2. Bottom Temperature Offset (See NOTE below)

Bottom temperature offset allows the bottom heater to provide more or less heat for different browning results. The allowable range is (-35) to +75 in either °F or °C.

### 3. Time

Time can be set by touching or holding down the +1 or -1 buttons.

### 4. % Air

% Air determines the amount of airflow. The more air, the more the product will brown or crisp. % Air can be set from 0-100% in 10% increments.

NOTE: The Bullet oven does not have independently-controlled top and bottom air.

### 5. % Microwave

% Microwave determines the amount of microwave, and can be set from 0-100% in 10% increments. For example, 50% means the microwave system will remain on for five continuous seconds for every ten seconds during the cook cycle.

### 6. Save to Menu

If you want to save a manual mode setting as a recipe (page 9), touch “Save.”

### 7. Cook

Touch to cook.

NOTE: The oven may require additional warming time before cooking can be performed.



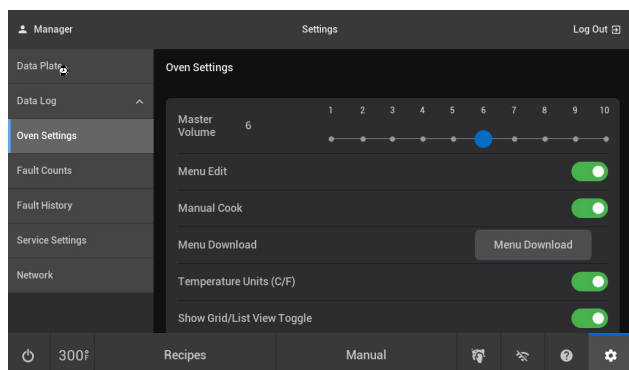


Figure 16: OneTouch Settings Menu

## Settings Mode: OneTouch Controller

To access the Settings Mode, touch the Settings icon (page 8) and input the pass code 9 4 2 8.

From the Settings Mode, access:

- Data Plate
- Data Log
- Oven Settings (see below for more info)
- Fault Counts
- Fault History
- Service Settings
- Network (see below for more info)

NOTE: Additional settings will be available for technician or production test logins.

## Oven Settings

### Master Volume

Set the volume from 1-10.

### Menu Edit

Enable or disable the button that allows the operator to edit recipe settings. See pages 14 for more details.

### Manual Cook

Enable to allow access to Manual Cooking mode. See page 11 for more details.

### Menu Download

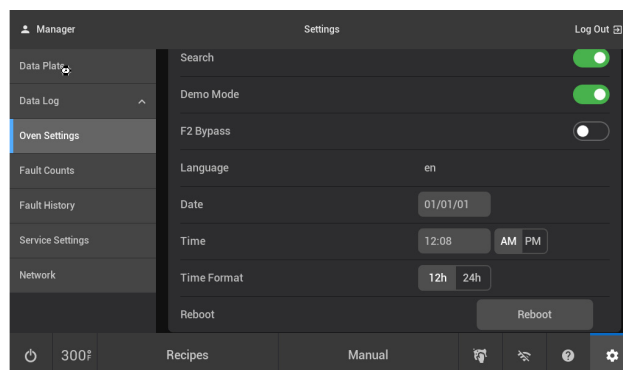
Downloadable from equipment onto a USB.

### Temperature Units (C/F)

The temperature measurement setting is configured at the factory. Touch to change the temperature measurement settings.

### Show Grid/List View Toggle

Enable or disable the button that allows the operator to change between icon/tile view and list view on the Group and Recipe screens.



## Search

Allows for a quick recipe search.

## Demo Mode

Demo Mode is a feature used to demonstrate the cooking features of the oven without turning on the heaters or microwave system. Demo Mode must be disabled during regular operation.

## F2 Bypass

The F2 alarm indicates the oven temperature is too low. F2 Bypass Enabled means the oven will not terminate a cook cycle when an F2 alarm is encountered. The oven will still log the fault condition. F2 Bypass Disabled means the oven will function as it normally would; i.e., when an F2 alarm is discovered during a cook cycle, the oven will terminate the cook cycle.

## Language

The default language is English. To change to another language, touch “Language: English” and then touch the preferred language and touch “ENTER.” The available languages are:

- French
  - German
  - Polish
  - Portuguese
  - Russian
  - Spanish
- The available languages may also be:
- Chinese
  - Korean
  - Japanese

**Date/Time/Time Format**

The final three options allow the user to set the date, time, and time format. If the oven is connected to the internet, the date and time will synchronize with an online world clock.

**Reboot**

Restarts the controller/equipment.

**Network**

If the oven is connected to a ConnectWare module or via Ethernet, information about the connection status will be visible here. WiFi credentials (if applicable) can also be input/changed.

**Load Menu from USB: OneTouch Controller**

USB setup: When loading from USB, the recipe file and images/icons must be compressed into a TGZ file. If saving the menu from the oven (see below), the oven will create the TGZ file in a way that can be loaded easily to other ovens. ChefComm OneTouch also creates TGZ files for recipe updates.

TGZ menu files are not backwards-compatible for the legacy controller.

When the oven is off or cooling down, insert the USB (see below).

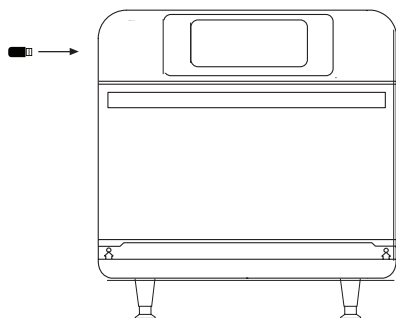


Figure 17: Insert USB

The oven will automatically detect the device. Select “Update” to proceed or “Cancel” to cancel.

The update will take several seconds, after which the controller will reboot one or two times. After

the controller reboots, wait 10 seconds and then remove the USB drive.

NOTE: The process is identical for updating oven firmware. Do not update firmware unless instructed by the factory.

**Save Menu to USB: OneTouch Controller**

When the oven is off or cooling down, insert the USB (see previous section).

Select “Save to USB.”



Edit Mode: OneTouch Controller

To enable Edit Mode,

- 1. Touch the Settings icon (page 8)
- 2. Touch “Login” to access the Operation Settings screen. When prompted, enter the passcode 9 4 2 8 and then touch “Enter.”
- 3. Set the “Editing” toggle to the on position.

The “Editing” icon will appear on the top-right corner of the screen when in menu mode (see page 8). When “Editing” is touched the operator can create, delete, move, or edit a group or item.

Creating a Group

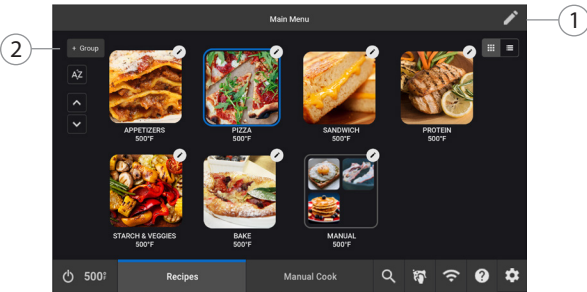


Figure 18: Edit Mode: Create Group

NOTE: At any time, touch the “X” in the top-right corner to cancel the action of creating a group.

From the group select screen:

- 1. Touch the Edit button in the top-right corner of the screen (Figure 18, above).  
If the edit button is not present, verify it is enabled in the Settings menu (see page 12).
- 2. Touch the “+Group” button (Figure 18, above).
- 3. Input the group name and touch the blue arrow button to continue (Figure 19, below).

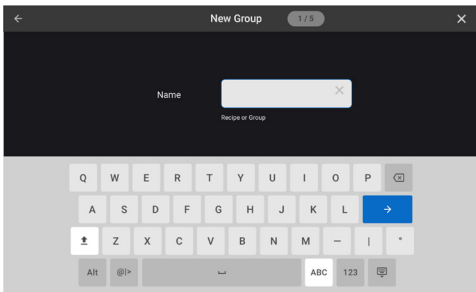


Figure 19: Name New Group

- 4. Select an image and touch the blue “Save” button (Figure 20, below).

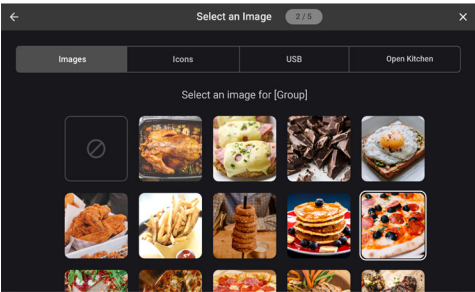


Figure 20: Select Group Image

NOTE: If you have a USB drive with image files inside a folder named “Images,” insert it from this screen and select “USB” to assign the image.

- 5. Input the “idle” offset temperature and touch the blue arrow button to continue (Figure 21).

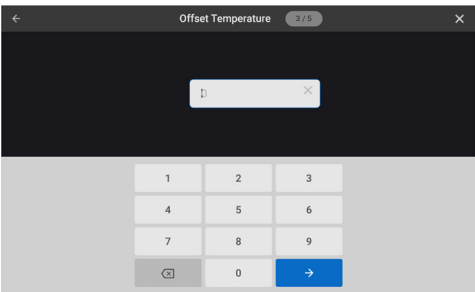


Figure 21: Input Idle Offset

NOTE: The offset temperature is recipe-specific; it allows the bottom heater to provide more or less heat for different browning results. For optimal performance, the “idle” setting being assigned per this step should match the average or most common offset values in the recipes assigned to this group.

- 6. Add recipes (or subgroups) to the group by selecting/deselecting each recipe, and click the blue “Next” button.

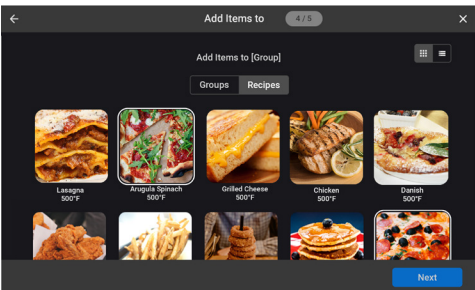


Figure 22: Add Recipes/Subgroups

NOTE: The set temperature of the first recipe determines the temperature for the group. If some recipes were developed at a different set temperature, they will not be selectable after the first recipe is selected.

- Sort the recipes you assigned to the group by touching and dragging the item icons. When finished, touch the blue “Save” button.

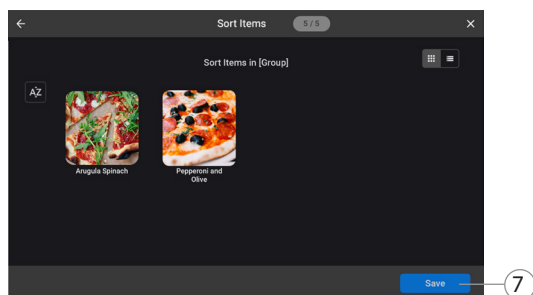


Figure 23: Sort Items in Group

### Editing a Group

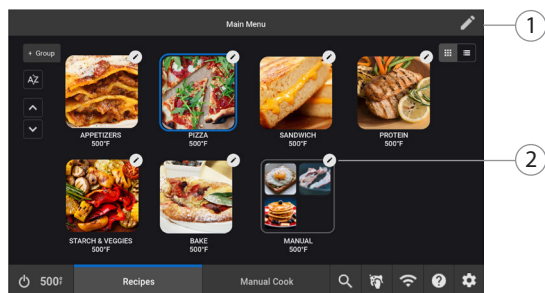


Figure 24: Select Group to Edit

NOTE: At any time, touch the “X” in the top-right corner to cancel the action of editing a group.

From the group select screen:

- Touch the Edit button in the top-right corner of the screen (Figure 24, above).  
If the edit button is not present, verify it is enabled in the Settings menu (see page 12).
- Touch the Edit Pencil button for the group you want to edit (Figure 24, above).
- Select an option (Figure 24, adjacent column).

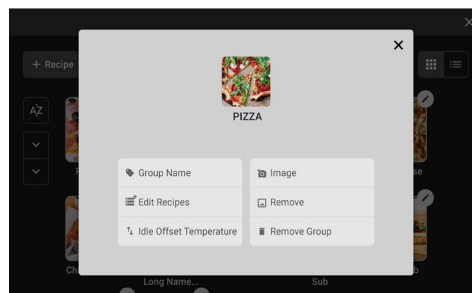


Figure 25: Edit Group Options

NOTE: See the previous section “Creating a Group” (page 14) for more information about:

- Group Name
- Idle Offset Temperature
- Image
- Move
- Remove Group

NOTE: See section “Editing a Recipe” for more information about the “Edit Recipe” option.

### Creating a Recipe

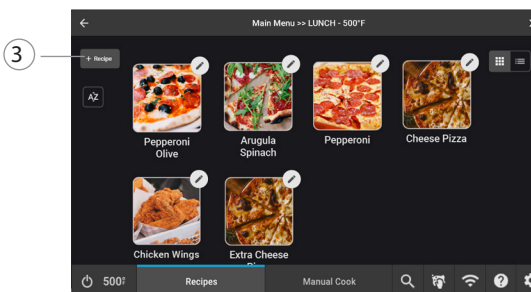


Figure 26: Add/Create Recipe

NOTE: At any time, touch the “X” in the top-right corner to cancel the action of creating a recipe.

From the group select screen:

- Select a group for which you want to add or create a recipe.  
NOTE: To create a recipe without selecting a group, select the “all recipes” button.
- Touch the Edit button in the top-right corner of the screen. If the edit button is not present, verify it is enabled in Settings (see page 12).
- Touch the “+Recipe” button (Figure 26, above).
- Select “New”.

- Input the recipe name and touch the blue arrow button to continue (Figure 27, below).

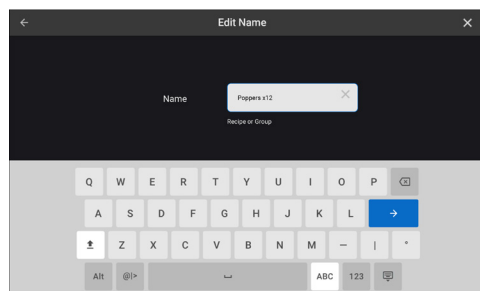


Figure 27: New Recipe Name

- Input keywords for the search option and touch the blue arrow button to continue (Figure 28).

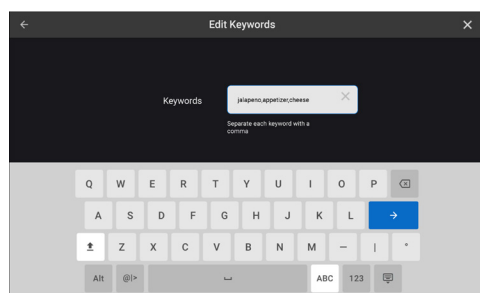


Figure 28: New Recipe Keywords

- Select an image and touch the blue “Next” button (Figure 29, below).

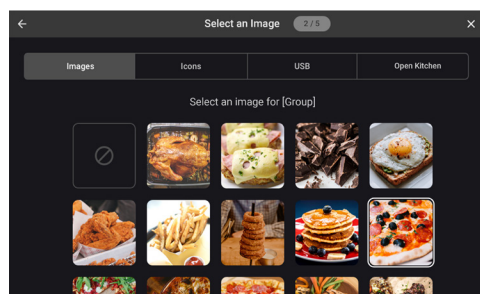


Figure 29: Select Image for New Recipe

NOTE: If you have a USB drive with image files inside a folder named “Images,” insert it from this screen and select “USB” to assign the image.

- Input the recipe temperature and touch the blue arrow button to continue.

NOTE: This option will only appear if you opted to create a recipe from the “All Recipes” screen. Otherwise, the recipe temperature will be applied from the group from which “+Recipe” was selected.

- Input the recipe offset temperature and touch the blue arrow button to continue (Figure 30).

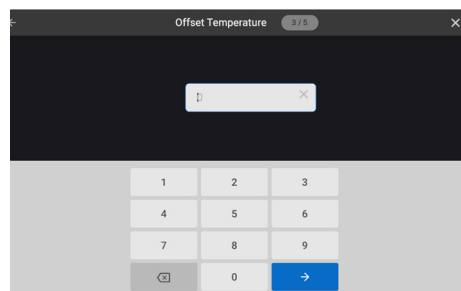


Figure 30: New Recipe Offset Temperature

NOTE: The offset temperature is recipe-specific; it allows the bottom heater to provide more or less heat for different browning results.

- Add cook settings:

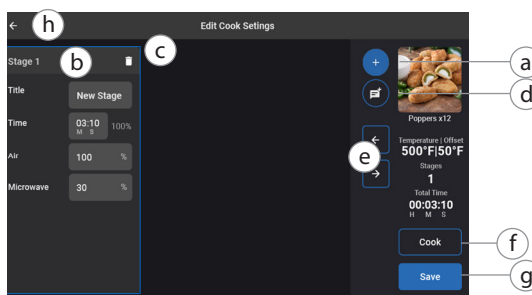


Figure 31: New Recipe Cook Settings

- Touch the “+” button to add a stage.
- Touch the stage to reorder it or to edit cook settings including:
  - Cook time per stage
  - Percent air per stage
  - Percent microwave per stage
- Touch the trash can to delete a stage.
- Touch the note bubble to add a cooking note that will appear in the cook cycle between stages. See step 6 on page 10 for more details.
- Touch the left or right arrows to rearrange stages.
- Touch “Cook” to perform a test cook.
- Touch “Save” to continue.
- Touch the back arrow to return to the previous step (see step 9, above).

11. Select which group(s) to which the recipe will be added (Figure 32, below).

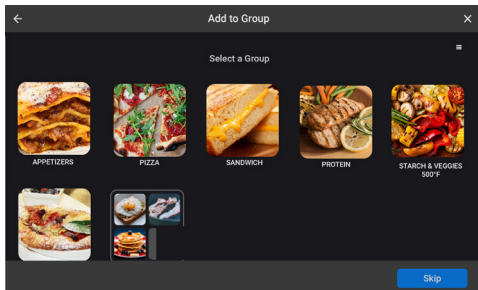


Figure 32: Select Groups to Place Recipe Into

12. Touch “Next” (or “Skip” if no groups are selected).

### Adding a Recipe to a Group

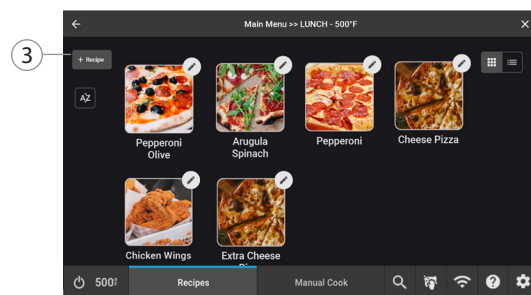


Figure 33: Add Recipe to Group

NOTE: At any time, touch the “X” in the top-right corner to cancel the action of adding a recipe.

From the group select screen:

1. Select a group for which you want to add or create a recipe.  
NOTE: To create a recipe without selecting a group, select the “all recipes” button.
2. Touch the Edit button in the top-right corner of the screen.  
If the edit button is not present, verify it is enabled in the Settings menu (see page 12).
3. Touch the “+Recipe” button (Figure 33, above).
4. Select “Existing”.

5. Select a recipe (or recipes) to add to the group (Figure 34, below).

NOTE: Only recipes with set temperatures that match the group set temperature will be selectable.

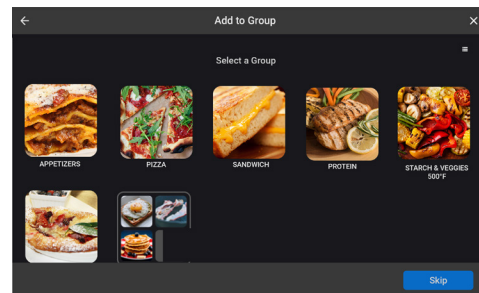


Figure 34: Select Groups to Place Recipe Into

6. Touch “Next”.
7. Sort recipes in the group by holding/dragging items in place. You can also sort in alphabetical order using the “A/Z” button.

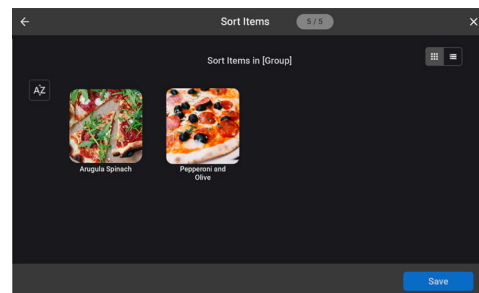


Figure 35: Sort Recipes in Group

8. Touch “Save”.

## Editing a Recipe

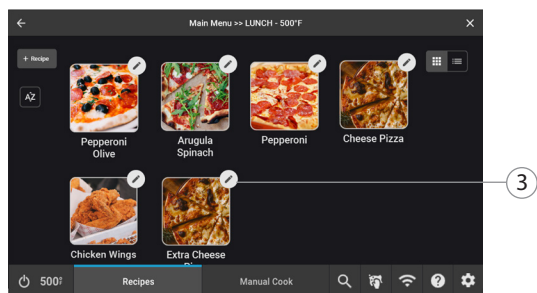


Figure 36: Select Recipe to Edit

NOTE: At any time, touch the “X” in the top-right corner to cancel the action of editing a recipe.

From the group select screen:

1. Select a group that contains the recipe you want to edit.

NOTE: To edit a recipe without selecting a group, select the “all recipes” button.

2. Touch the Edit button in the top-right corner of the screen. If the edit button is not present, verify it is enabled in Settings (see page 12).
3. Touch the Edit Pencil button for the group you want to edit (Figure 36, above).

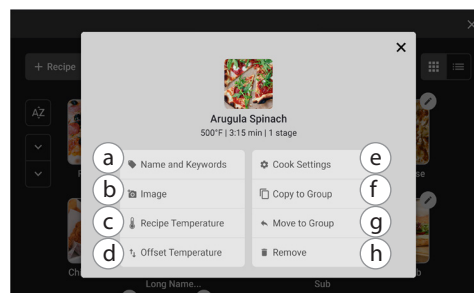


Figure 37: Edit Recipe Options

4. Select an option (Figure 37, above).
  - a. Edit the recipe name and/or keywords for the search option.
  - b. Change the recipe image/icon.
  - c. Edit the recipe temperature.
 

NOTE: Editing the temperature will cause the recipe to become disassociated from groups it is currently in.
  - d. Edit the recipe offset temperature.
  - e. Edit the cook settings (see step 10, page 16 for more information).
  - f. Copy the recipe to a new group or groups.
  - g. Move the recipe to a new group or groups.
  - h. Remove/delete the recipe.

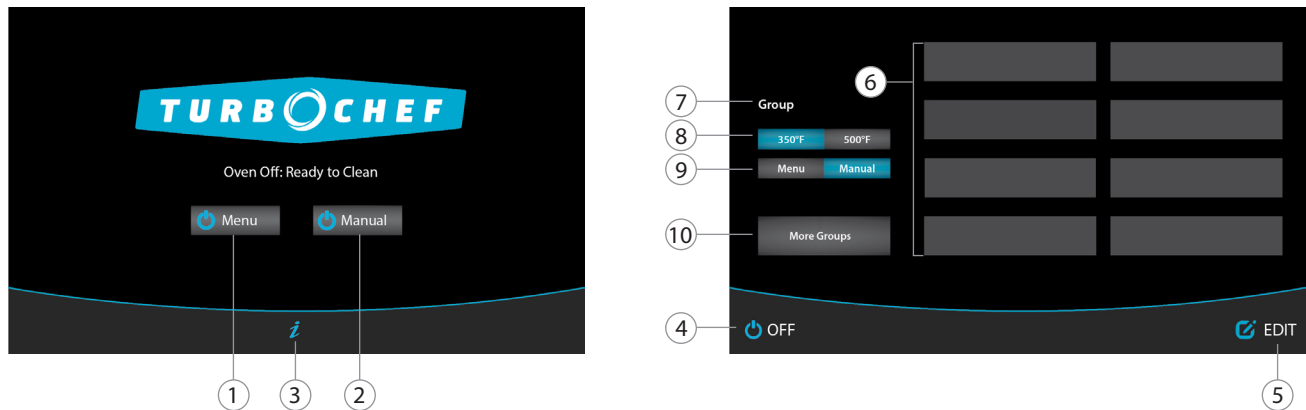


Figure 38: Legacy Oven Controls

NOTE: Display options vary depending on which features are enabled.

## Oven Controls: Legacy Controller

### 1. Menu Icon/Temperature Icon

Touch to turn the oven on and cook in menu cook mode (page 20).

NOTE: If Manual Mode is disabled, a temperature icon will be shown instead of the menu icon.

### 2. Manual Icon

Touch to turn the oven on and cook in manual cook mode (page 23). The Manual icon is only present if enabled (page 25).

### 3. "i" Icon

Touch to access Info Mode (page 25). The "i" icon is only displayed when the oven is off, warming up, cooling down, or in edit mode.

### 4. Off Icon

Touch to turn the oven off (cool down).

### 5. Edit Icon

The Edit icon will only be displayed when Edit Mode is enabled. Touching this icon will allow you to edit menu items.

### 6. Groups/Items (1-8 and 9-16)

The oven contains 16 food groups divided into 2 groups of 8. Each food group contains 16 items divided into 2 groups of 8.

### 7. Group Name

When viewing items, the group name indicates which group is being displayed.

### 8. Set Temperature Toggle

The set temperature toggle will only be displayed when operating with two different set temperatures. Touch the toggle to view groups from the other set temperature.

### 9. Menu/Manual Toggle

The Menu/Manual toggle will only be displayed when manual cooking is enabled and will allow you to switch between menu mode (page 20) and manual mode (page 23).

### 10. More/Previous Groups or Items

This icon will only be displayed when using one set temperature. To view additional groups or items, touch "More Groups" or "More Items." Or, if on screen two, touch "Previous Groups" or "Previous Items."



## Menu Cook Mode: Legacy Controller

The oven is preprogrammed with recipe settings at the time of manufacture and is ready to operate out of the box. New menu settings can be loaded via USB (page 28) or programmed manually (page 30).

If settings are not present, the oven will cook only in manual mode (page 23).

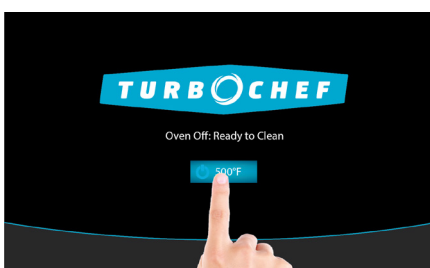
This oven uses impingement and microwave to cook food faster than traditional cooking methods. Air enters the cavity from the top and bottom using a single fan. Because of this design and to ensure uniformity of cooking, the oven must be operated only while the bottom jetplate is in place. While the bottom jetplate is removable for cleaning, it is not removable for cooking. Without the bottom jetplate in place, the oven will not deliver the proper cooking performance to either the top or bottom of the food item. Additionally, oven damage may result.

The sequence of the steps below may vary, and some may not apply.

### Step 1: Touch “Menu” or the Oven Set Temperature Icon to Turn the Oven On



Figure 39: Power On



### Step 2: Select Cook Temperature



Figure 40: Temperature Selection

NOTE: If the temperatures are the same, or if Manual Mode is disabled, this screen will be bypassed.

### Step 3: Warming Up

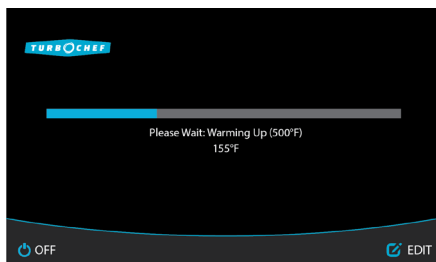


Figure 41: Warming Up

NOTE: When the oven is done warming up, it will “soak” for an additional eight minutes. “Soaking” ensures the cavity surfaces absorb enough heat so that cooking will not be affected.

Step 4: Place Food in the Oven

 **WARNING:** Inside of oven and oven door are hot!

Step 5: Select a Group

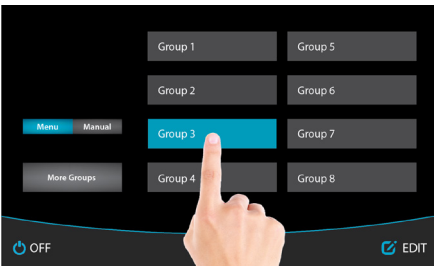


Figure 42: Group Selection

NOTE: Touch “More Groups” to view additional groups.

Step 6: Select an Item



Figure 43: Recipe Selection

NOTE: Touch “More Items” to view additional items.

Step 7: Cooking

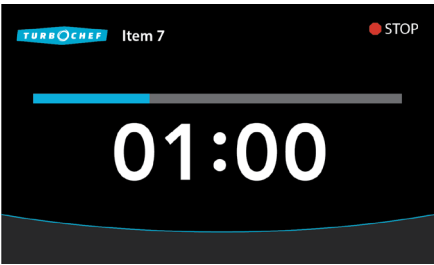



Figure 44: Cooking

Note: To immediately terminate a cook cycle, touch “STOP.”

 **CAUTION:** Make sure to touch “STOP” before the door is opened during a cook cycle. Opening the oven door while the cook timer is counting down could shorten the lifespan of critical oven components.

Note: If the oven door is opened during a cook cycle, the cycle will pause until the door is closed. Touch “YES” to resume.

Step 8: Check/Remove Food from Oven

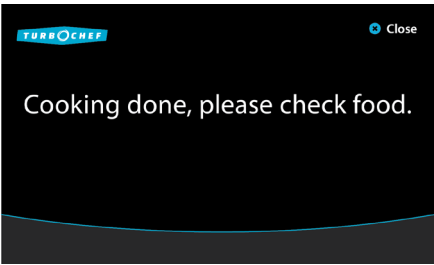


Figure 45: Remove Food

 **WARNING:** Dish/inside of oven and door are hot!



### Step 9: Cook More / Brown More / Cook & Brown More

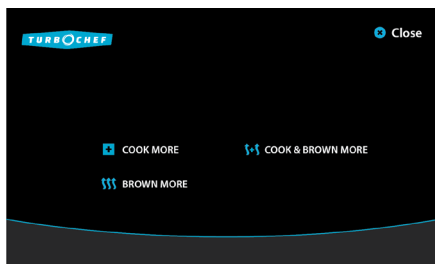


Figure 46: "Cook More"

NOTE: This option must be enabled in order to cook an item beyond its original cook time.

To cook an item longer than its original cook time, touch one of the icons on the screen:

- Touch "Cook More" if the inside of the food item requires cooking.
- Touch "Brown More" if the outside of the food item requires browning or crisping.
- Touch "Cook & Brown More" if both the inside and outside of the food item require cooking.

Selecting one of these options will cook the item for 20% of the last cook time selected. The minimum cook time is the fewer of 15 seconds or the entire original cook cycle. The maximum cook time is one minute. The oven will cook at the settings listed below:

- Cook More: 10% air, 100% microwave
- Brown More: 100% air, 0% microwave
- Cook & Brown More: 100% air, 100% microwave

### Step 10: Cooling Down

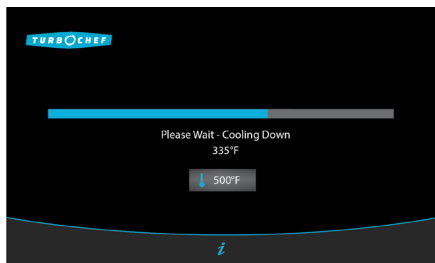


Figure 47: Cooling Down/Off

When finished cooking for the day, touch "OFF" to turn the oven off and begin cooling down.

## Manual Cook Mode: Legacy Controller

Manual Cook Mode allows cooking “on the fly,” whereas Menu Cook Mode (page 20) allows cooking from preset cook settings. To access Manual Mode, touch the Manual icon when the oven is off or cooling down (page 22) or touch the Menu/Manual toggle on the on the Menu Mode screen.

NOTE: If the “Manual” icon is not present, see page 25 to make it appear.

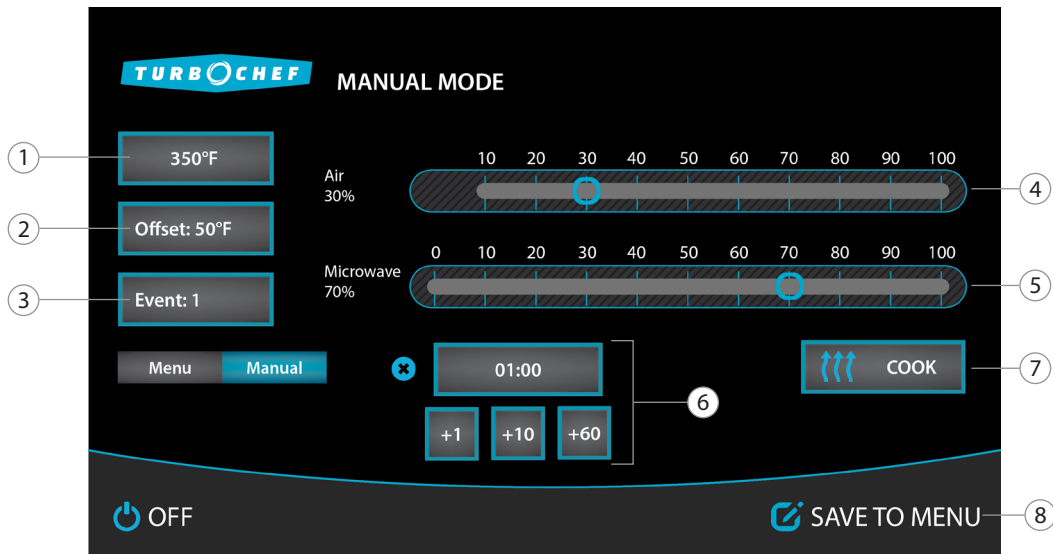


Figure 48: Legacy Manual Mode

### 1. Set Temperature

Touch to change the set temperature. The temperature range is 300–600°F (149–316°C).

### 2. Bottom Temperature Offset

Bottom temperature offset allows the bottom IR element to provide additional heat for increased browning. The allowable range of additional bottom heat is 0-75 in either °F or °C.

### 3. Events

Manual Mode can store six unique cook settings, called events. Touch “Events” to view settings for events 1 through 6.

### 4. % Air

% Air determines the amount of airflow. The more air, the more the product will brown or crisp. % Air can be set from 10-100% in 10% increments.

### 5. % Microwave

% Microwave determines the amount of microwave, and can be set from 0-100% in 10% increments. For example, 50% means the microwave system will remain on for five continuous seconds for every ten seconds during the cook cycle.

### 6. Time

Time can be set from 0-99 minutes. There are four time icons. The first allows the operator to enter the time manually. The others allow the operator to add time in 1, 10, or 60 second increments. There is also an “X” icon that resets the cook time to 00:00.

### 7. Cook

Touch to cook.

NOTE: The oven may require additional warming time before cooking can be

performed.

## 8. Save to Menu

If you want to save a manual mode setting into the oven menu (page 23), touch “Save to Menu.” All six events (item 3 on page 23) will be added together as one menu recipe item, and the cook times for each event will be summed and divided into percentages of one cook cycle.

- a. Edit settings, if necessary, by touching the setting you wish to edit. From this screen, the following settings are editable:
  - % Time
  - % Air
  - % Microwave
  - Time
  - Recipe Name

NOTE: For additional instructions for editing settings, see page 30.

- b. Touch “SAVE.”

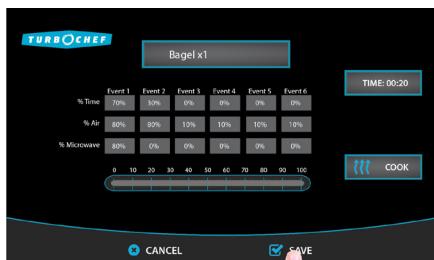


Figure 49: Manual Mode “Save”

- c. Select a location for the new menu item by first selecting a group.

NOTE: To cancel, touch “CANCEL.”

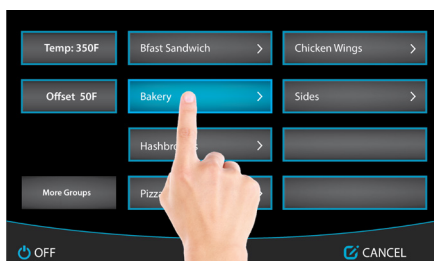


Figure 50: Manual Mode “Select Group”

- d. Select an item to overwrite.

NOTE: To cancel, touch “CANCEL.”



Figure 51: Manual Mode “Recipe Overwrite”

## Info Mode: Legacy Controller

To access Info Mode, touch the “i” icon when the oven is off, cooling down, or in manual mode. From the Info Mode screen, access:

- Information
- Counters
- Options
- Settings
- Service
- Manufacturing (Mfg)

## Info Mode: Information Screen

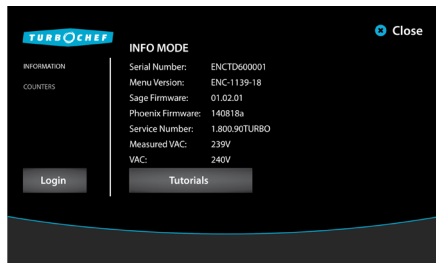


Figure 52: Info Mode

From the Information screen, view:

- Serial Number
- Menu Version
- Sage Firmware
- Phoenix Firmware
- Service Number
- VAC (Voltage) - View Incoming
- Tutorials: View information on installing, operating, and maintaining the oven.

## Info Mode: Counters Screen

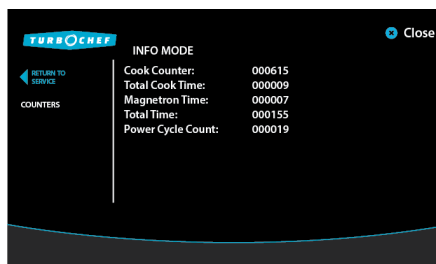


Figure 53: Info Mode: Counters

From the Counters screen, view:

- Cook counter
- Total cook time
- Magnetron time
- Total time (oven on)
- Power cycles: The number of times the oven has cycled power.
- Fault log: View time stamps of each fault occurrence and the fault code.

## Info Mode: Options Screen

From the Info Mode Information or Counters screen, touch “Login” to access the Options screen. When prompted, input the password 9 4 2 8 and then touch “ENTER.”

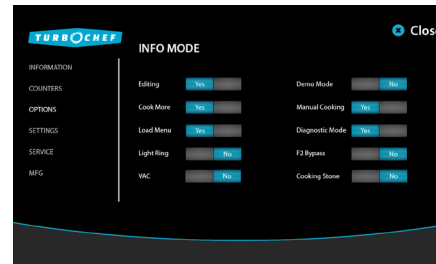


Figure 54: Info Mode: Options

From the options screen, enable/disable:

- Editing
- Cook More
- Load Menu
- Light Ring
- VAC
- Demo Mode
- Manual Cooking
- Diagnostic Mode
- F2 Bypass
- Cooking Stone

### Editing YES/NO:

Edit Mode enables or disables the portal that allows the operator to change menu settings, rename food groups and items, and change the cooking temperature. The Edit icon will be displayed at the bottom of the screen when this option is set to YES. See page 30 for more details on editing menu settings.

### Cook More YES/NO:

Cook More controls whether or not the three “cook more” options appear when a cook cycle is done. This option must be enabled in order to cook an item beyond its original cook time. See page 22 for details.

### Load Menu YES/NO:

Load Menu enables or disables USB detection, which allows the operator to upload and/or download new menu settings from USB. Setting Load Menu to NO will prevent the operator from loading a menu. See page 28 for more details.

**Light Ring YES/NO:**

The light ring provides visual cues in regards to oven operation and how much cook time is remaining.

**VAC YES/NO:**

When VAC is set to YES the incoming voltage will be displayed on the Info screen. This is set by the factory and should not be changed.

**Demo Mode YES/NO:**

Demo Mode is a feature used to demonstrate the cooking features of the oven without turning on the heaters or microwave system. Demo Mode must be set to NO during regular operation.

**Manual Cooking YES/NO:**

When Manual Cooking is set to YES, the operator can cook items “on the fly.” See page 23 for more details.

**Diagnostic Mode YES/NO:**

Diagnostic Mode allows the operator to view and test oven components. This mode should only be used by qualified service technicians, unless otherwise instructed by TurboChef.

**F2 Bypass YES/NO:**

The F2 alarm indicates the oven temperature is too low. YES means the oven will not terminate a cook cycle when an F2 alarm is encountered. The oven will still log the fault condition. NO means the oven will function as it normally would; i.e., when an F2 alarm is discovered during a cook cycle, the oven will terminate the cook cycle.

**Cooking Stone YES/NO:**

The “Stone” option should be set to:

- “YES” if a baking stone is being used
- “NO” if only a wire rack is being used

“YES” increases the temperature of the bottom half of the oven for optimal cooking results when a stone is being used. Changing this setting is not recommended, except for cook setting developers as it can adversely impact cook results.

**Info Mode: Settings Screen**

From the Information or Counters screen, touch “Login” to access the Settings screen. When prompted, input the password 9 4 2 8 and then touch “ENTER.”

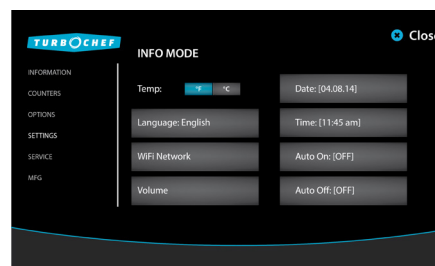


Figure 55: Info Mode: Settings

From the settings screen, set:

- Temperature
- Language
- WiFi Network
- Volume
- Date
- Time
- Auto On
- Auto Off

**Temperature:**

The temperature measurement setting is configured at the factory. Touch °F (Fahrenheit) or °C (Celsius) to change the temperature measurement settings.

**Language:**

The default language is English. To change to another language, touch “Language: English” and then touch the preferred language and touch “ENTER.” The available languages are:

- French
- German
- Polish
- Portuguese
- Russian
- Spanish

The available languages may also be:

- Chinese
- Korean
- Japanese

### WiFi Network/Network Settings:

If the oven is connected via WiFi or Ethernet, information about the connection status will be visible here. WiFi credentials (if applicable) can also be input/changed.

### Sound Volume:

Touch “Volume” and use the plus or minus icons or slider to increase or decrease the oven sound.

### Set Date:

An accurate date is important for using “auto-on” and “auto-off” (see adjacent and page 24 for details). It also helps ensure the accuracy of diagnostics and fault condition reporting.

NOTE: The oven may not retain the date if left unplugged for a prolonged period of time (more than several hours).

To set the date, touch “Date.” Enter the date following format - MM/DD/YY. Touch “ENTER” to save the changes.

### Set Time

An accurate time is important for using “auto-on” and “auto-off” (see below and page 24 for details). It also helps ensure the accuracy of diagnostics and fault condition reporting.

NOTE: The oven may not retain the date if left unplugged for a prolonged period of time (more than several hours).

NOTE: The clock will not automatically update for Daylight Savings Time.

To set the time, touch “Time.” Enter the time in 24-hour format (8:30 p.m. = 20:30). Touch “ENTER” to save the changes.

NOTE: The user interface will automatically convert the time to 12-hour format.

### Auto On - YES/NO:

“Auto On” is a feature that turns the oven on automatically at a specific time of day.

1. To set auto-on, ensure the time of day is accurate (adjacent and above).
2. Toggle the yes/no icon to the YES position to enable Auto On.
3. Select which temperature to which the oven will automatically heat up.
4. Enter the time in 24-hour format. Touch “SAVE” to save all changes.

NOTE: The time will automatically convert to 12-hour format when saved.

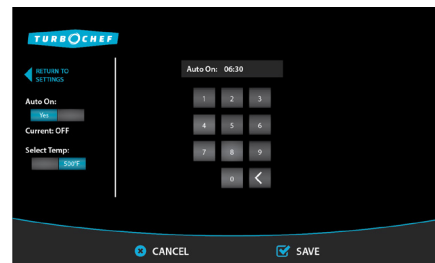


Figure 56: Auto On

### Auto Off - YES/NO:

“Auto Off” is a feature that turns the oven off automatically at a specific time of day.

1. To set auto-off time, ensure the time of day is accurate (see adjacent).
2. Toggle the yes/no icon to the YES position to enable Auto Off.
3. Enter the time in 24-hour format. Touch “SAVE” to save all changes.

NOTE: The time will automatically convert to 12-hour format when saved.

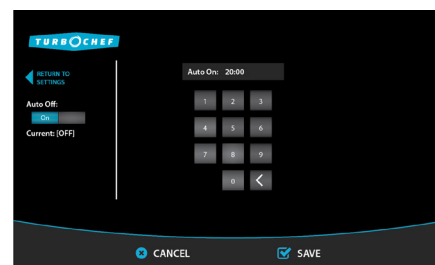


Figure 57: Auto Off

## Load Menu from USB

NOTE: To update a menu, you may need to verify that access to the Load Menu screen is turned on. See page 25 for details.

USB setup: When loading from USB, the menu can be in XTM (ChefComm) or BIN (binary) format. The files must be loaded on the root of the USB. The oven will also detect menus if they are stored in a folder named TC\_Menus.

To load a menu to the oven,

1. When the oven is off or cooling down, insert the USB (see below). The oven will automatically detect the device. Touch “OK” to proceed.

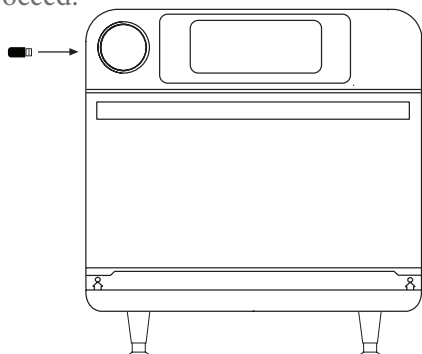


Figure 58: Insert USB

2. Load the menu:
  - a. Touch “Load Menu to Oven.”



Figure 59: Load Menu to Oven

- b. Touch “OK” to confirm the selection and begin the installation.

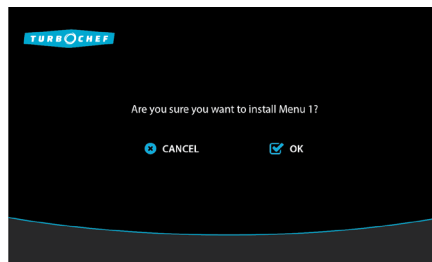


Figure 60: Load Menu Confirmation

NOTE: When loading a menu from a USB, a copy of the current menu will be saved to the USB.

- c. Touch the menu to load.

NOTE: If multiple menus are on the USB, the oven will display the menu names. Otherwise this step will be bypassed.

3. Once installation is complete, the oven will display “Installation Complete.”

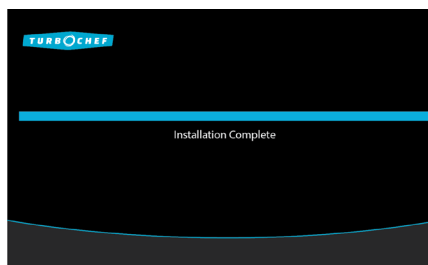


Figure 61: Load Menu Installation Complete

## Save Menu to USB

NOTE: To save a copy of the oven menu, you may need to verify that access to the Load Menu screen is turned on. See page 25 for details.

1. When the oven is off or cooling down, insert the USB (see below). The oven will automatically detect the device. Touch “OK” to proceed.

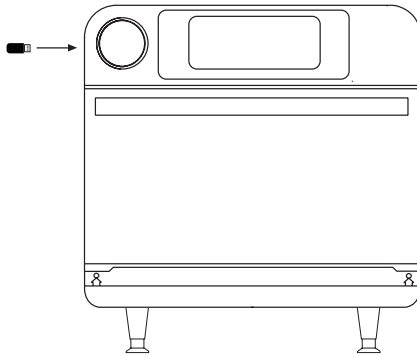


Figure 62: Insert USB

2. Touch “Save Menu to USB.”



Figure 63: Save Menu to USB

3. Touch “OK” to begin saving the menu to the USB. Touch “CANCEL” to go back to the previous screen.

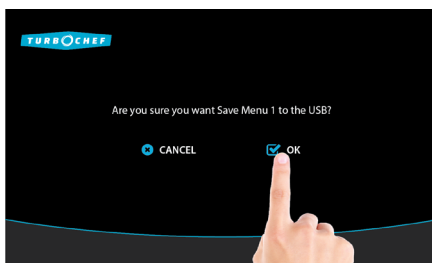


Figure 64: Save Menu Confirmation

4. Once installation is complete, the oven will display “Save Complete.”



## Edit Mode: Legacy Controller

To enable Edit Mode,

1. Touch the “i” icon when the oven is off or cooling down.
2. From the Info Mode screen, touch “Login” to access the Options screen. When prompted, enter the passcode 9 4 2 8 and then touch “Enter.”
3. Set “Editing” to “YES” to enable Edit Mode.

The “Edit” icon will appear at the bottom of the screen in menu mode. When “Edit” is touched from the group select screen, the operator can:

- Edit the set temperature
- Edit the bottom temperature offset
- Access the edit items screen
- Name a group
- Delete a group
- Move a group

When “Edit” is touched from the item select screen, the operator can:

- Edit item cook settings (page 33)
- Name an item (page 36)
- Change the group (page 36)
- Move an item (page 37)
- Delete an item (page 37)

### Edit Set Temperature

The menu set temperature should never be changed to compensate for over-cooking or under-cooking. If recipe settings are not cooking as desired, consult your menu developer, authorized distributor, or TurboChef Customer Support.

To change a set temperature,

1. Place the oven in Edit Mode.

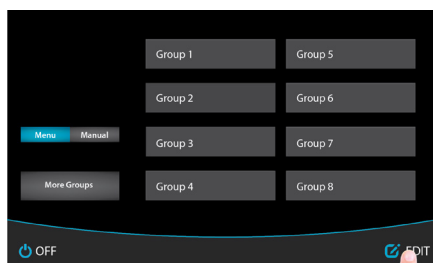


Figure 65: Select Edit Mode

2. Touch the current set temperature.

NOTE: The set temperature will apply only to the groups adjacent to it. Be sure to check the temperature for groups 1-8, but also for groups 9-16.



Figure 66: Edit Temperature

3. Using the number keys, enter the new set temperature. The temperature range is 300–600°F (149–316°C).

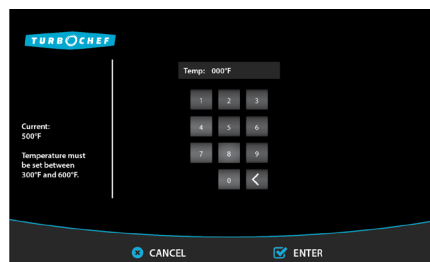


Figure 67: Input Temperature

4. Touch “ENTER” to confirm the change.

### Edit Bottom Temperature Offset

The bottom temperature offset allows the bottom IR element to provide additional heat for increased browning.

To change the temperature offset,

1. Place the oven in Edit Mode.

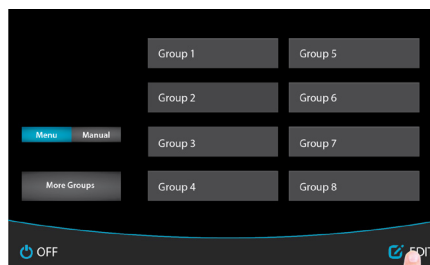


Figure 68: Select Edit Mode

2. Touch the current offset temperature. If using two set temperatures, use the toggle at the bottom-left of the screen to switch between the two set temperatures.

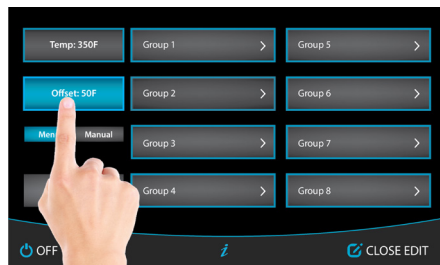


Figure 69: Edit Offset

3. Using the number keypad, enter the new offset temperature. The temperature range is 0-75 in °F or °C.
- NOTE: The temperature offset range is greater in °C.

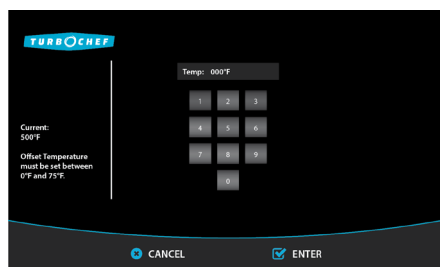


Figure 70: Input Offset Value

4. Touch “ENTER” to save the change.
- Access Edit Items Screen

Item settings can be edited from the Edit Settings screen. See page 34 for more details.

Name a Group

To name or edit a group name,

1. Place the oven in Edit Mode.

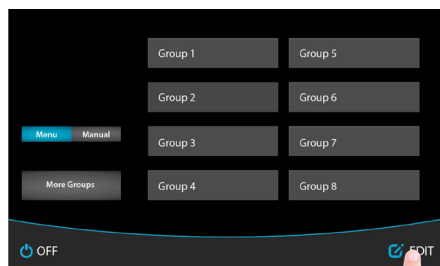


Figure 71: Select Edit Mode

2. Select a Group.

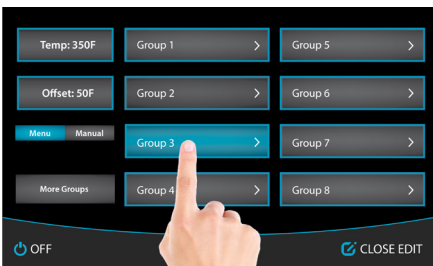


Figure 72: Select Group

3. Select one of the options:
- a. To edit a group name, touch “Name Group.”

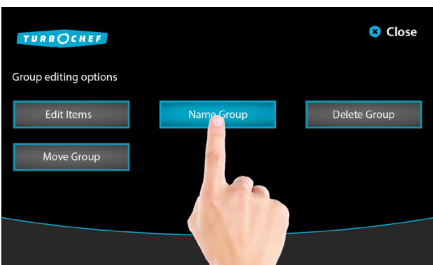


Figure 73: Name Group

- b. Using the keypad, enter the new group name. Touch “ENTER” to save changes.

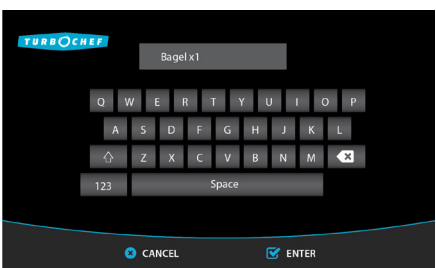





Figure 74: Input Group Name

NOTE: Touch the “123” icon to access numbers and symbols.

NOTE: Touch the  icon to change case between:

- Uppercase 
- Lowercase 
- Caps lock 

## Delete a Group

To delete a group,

1. Place the oven in Edit Mode.

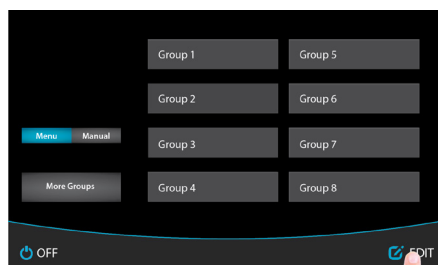


Figure 75: Select Edit Mode

2. Touch the group to delete.

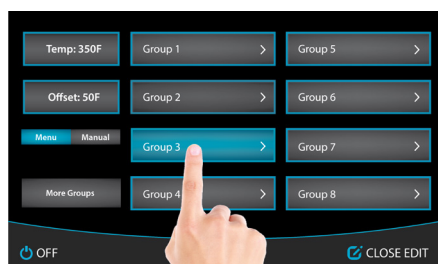


Figure 76: Select Group

3. To delete a group, touch “Delete Group.”

NOTE: Deleting a group will delete all items in the group.

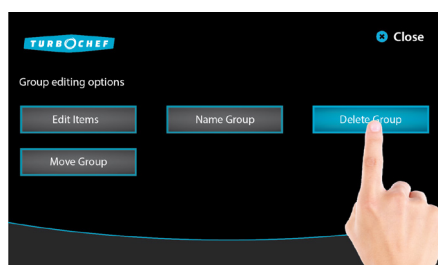


Figure 77: Select “Delete Group”

## Move a Group

To move a group to another location,

1. Place the oven in Edit Mode.

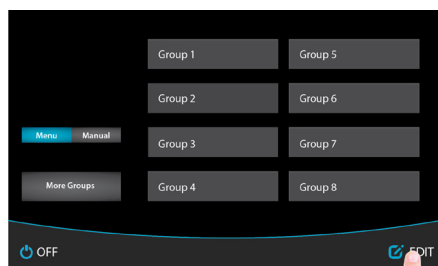


Figure 78: Select Edit Mode

2. Touch the Group to move.

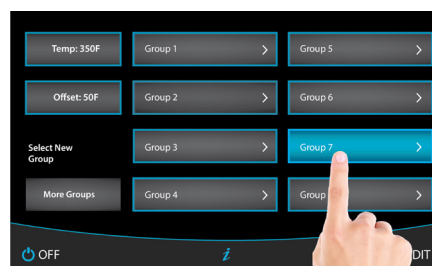


Figure 79: Select Group

3. Touch “Move Group.”

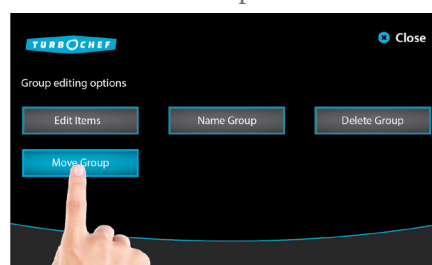


Figure 80: Select “Move Group”

4. The group that is to move will be highlighted blue.

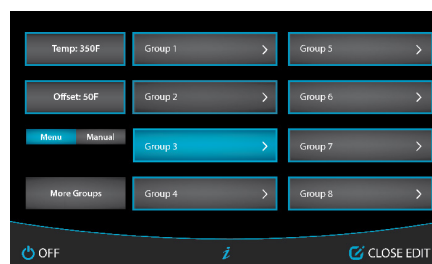


Figure 81: Select Group to Move

5. Touch the new location for the group.

NOTE: If a group is moved to a space that already contains settings, the old settings in that space will be overwritten.

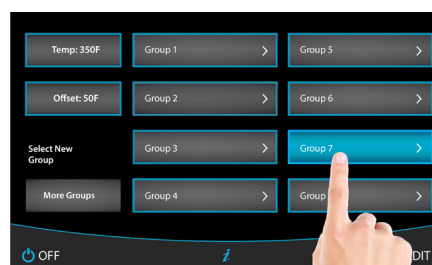


Figure 82: Select Group New Location

## Item Editing Options

To access the Edit Settings screen,

1. Touch “EDIT” to place the oven in Edit Mode.

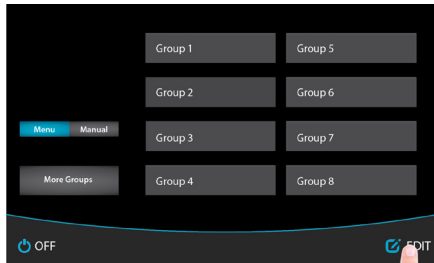


Figure 83: Select Edit Mode

2. Touch the group that contains the item to edit.

NOTE: Accessing Edit Mode from the item select screen, rather than the group select screen, will bypass this step.



Figure 84: Select Group

3. From the Group Editing Options screen, touch “Edit Items.”

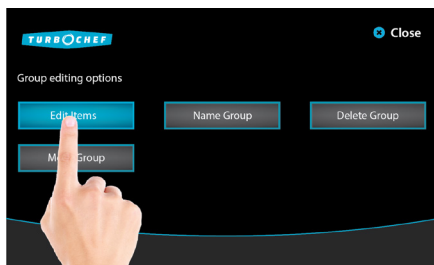


Figure 85: Select “Edit Items”

4. Touch an item to edit.



Figure 86: Select Item

5. From the Item Editing Options screen, the operator can:

- Edit Settings
- Name an Item
- Change the Group
- Move an Item
- Delete an Item

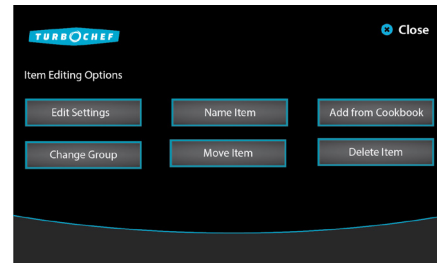


Figure 87: Edit Item Options

### Edit Settings

From the Item Editing Options screen, select “Edit Settings.” From the Edit Settings screen the operator can:

- Edit % Time
- Edit % Air
- Edit % Microwave
- Edit Cook Time
- Name an Item
- Run a Test Cook Cycle

#### Edit % Time

Touch a % Time icon to change, enter the new percentage, and touch “ENTER.” % Time can be set from 0-100% for each event. The sum of all events must be 100. Once all changes are made, touch “SAVE.”

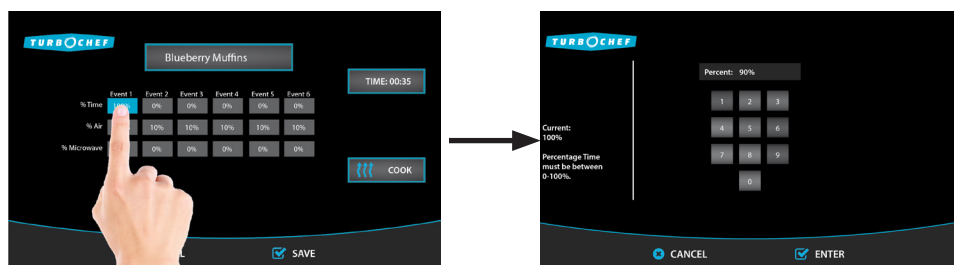


Figure 88: Edit Item Settings: % Time

#### Edit % Air

Touch the % Air be changed and adjust it using the sliding bar that appears below the grid. % Air determines the amount of airflow. The more air, the more the product will brown or crisp. % Air can be set from 10-100% in 10% increments. Once all changes are made, touch “SAVE.”

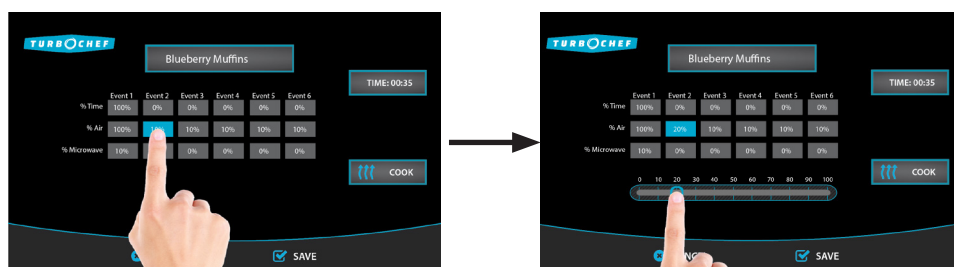


Figure 89: Edit Item Settings: % Air

#### Edit % Microwave

Touch the % Microwave to change and adjust it using the sliding bar that appears below the grid.

% Microwave can be set from 0-100% in 10% increments. For example, 50% means the microwave system will remain on for five continuous seconds for every ten seconds during the cook cycle. Once all changes are made, touch “SAVE.”

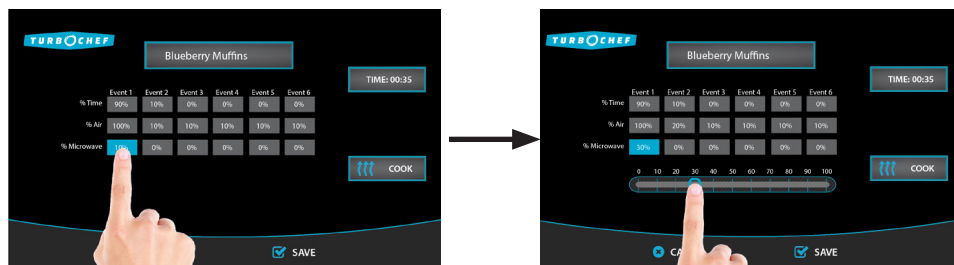


Figure 90: Edit Item Settings: % Microwave

### Edit Cook Time

Touch the current cook time. The maximum allowable cook time is 10:00. Using the number keypad, enter the cook time and touch “ENTER.” Once all changes are made, touch “SAVE.”

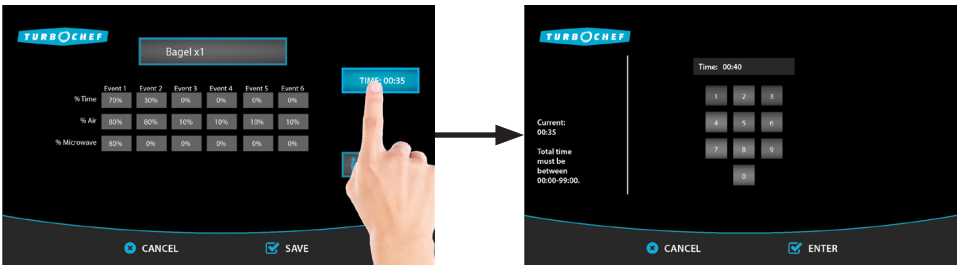


Figure 91: Edit Item Settings: Cook Time

### Name an Item

Touch the current name. Using the keypad, input the name and touch “ENTER.” Once all changes are made, touch “SAVE.”

NOTE: The field allows for a maximum of 16 characters.

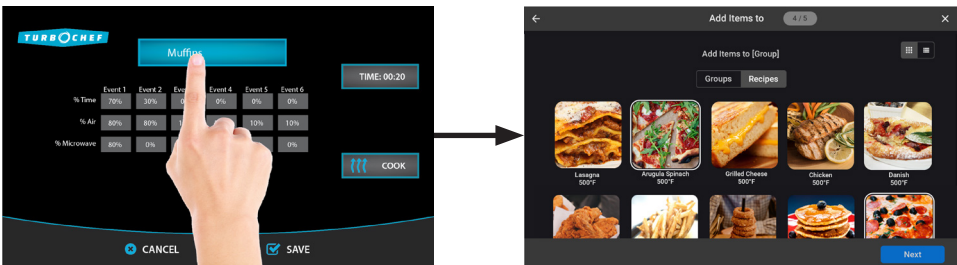





Figure 92: Edit Item Settings: Name

NOTE: Touch the “123” icon to access numbers and symbols.

NOTE: Touch the  icon to change case between:

- Uppercase 
- Lowercase 
- Caps lock 

### Run a Test Cook Cycle

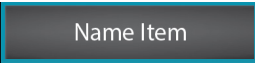
If desired, touch “Cook” to perform a test cook.

NOTE: The oven may require additional warm-up time before a test cook can be performed.



Figure 93: Edit Item Settings: Test Cook

### Name Item



From the “Editing Options” screen, touch “Name Item” to name or edit an item name. After editing the name, touch “ENTER” to save changes.

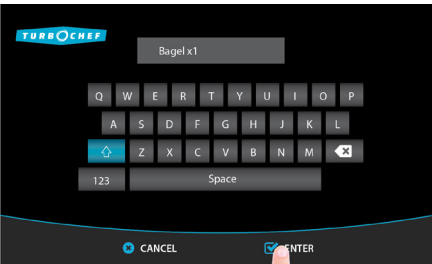





Figure 94: Edit Item Settings: Enter New Name

NOTE: Touch the “123” icon to access numbers and symbols.

NOTE: Touch the  icon to change case between:

- Uppercase 
- Lowercase 
- Caps lock 

### Change Group



From the “Editing Options” screen, select “Change Group.”

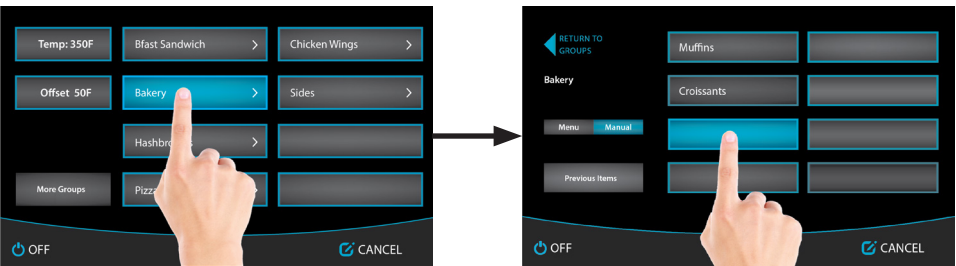


Figure 95: Move Item to New Group

Select a new group.

Touch an item space to indicate where the item will be moved.

NOTE: If an item is moved to a space that already contains settings, the old settings will be overwritten.

### Move Item

Move Item

From the “Editing Options” screen (page 23), select “Move Item.”

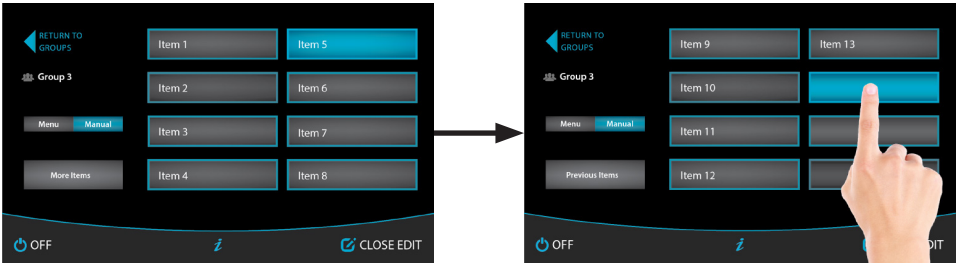


Figure 96: Reposition Item in Group

The item that is to move will be highlighted blue.

Touch an item space to indicate where the item will be moved.  
NOTE: If an item is moved to a space that already contains settings, the old settings will be overwritten.

### Delete Item

Delete Item

From the “Editing Options” screen, select “Delete Item.” Touch “OK” to delete the item.

NOTE: Once an item is deleted, it cannot be recovered.

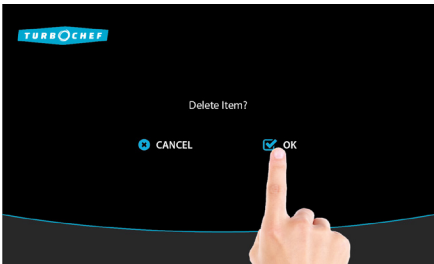


Figure 97: Delete Item



## Troubleshooting

The following is a list of fault codes and error messages, along with the possible problem(s) that the oven may experience. Please attempt the recommended action before calling Customer Support (800.90TURBO, +1 214.379.6000) or your Authorized Distributor.

If any fault or error message occurs that is not listed below, contact Customer Support (800.90TURBO, +1 214.379.6000).

NOTE: Any fault codes listed in **bold** will terminate a cook cycle upon discovery. F6 will not terminate a cook cycle; however, it will alert the user of a possible air circulation problem.

 **WARNING:** Food, oven door, and oven cavity are hot! Use extreme caution when troubleshooting the issues below.

Issue	Possible Cause(s)	Resolution
No power to oven.	Oven is not plugged in. Main circuit breaker is tripped.	Plug the oven in. Verify the wall circuit breaker is on. Reset the breaker, then power the oven back on.
Oven is not warming up properly.	Oven is in the Off state. Door is not closed. Oven has been switched off at the main circuit breaker.  High-limit thermostat tripped	Touch “Menu” and then a set temperature. Close the cook cavity door. Turn the oven off and unplug the oven – leave for two minutes. Re-plug in the oven, switch on the isolator/ main power supply, and touch “Menu” and then a set temperature. Press the button located on the oven rear wall (near the power cord) to reset the high-limit thermostat.
Display reads “Oven Door Open” and alarm sounds.	Food obstruction preventing door from closing. Oven door is open. Door switches are out of alignment.	Open the door and remove the obstruction.  Open and close the door several times. Call Customer Support.
Oven is not cooking properly.	Incorrect oven model specified.  Oven is not clean. (Large deposits of grease, carbon, or food debris dilute the microwave.)  Incorrect group and/or item name was selected for the product.  Product was not cooked from correct starting state (for example, chilled or frozen).  Product out of specification.	From the Info Mode Manufacturing screen, ensure that the oven model is set to “Bullet.” Clean the oven following the cleaning instructions on pages 5-7.  Ensure the correct food group and/or item was selected.  Ensure the product was in the correct state before being placed in the oven.  Ensure the product is exactly the same weight/size as the typical product.

Issue	Possible Cause(s)	Resolution
Steam or smoke is present.	Oven is not clean. (Large deposits of grease, carbon, or food debris dilute the microwave.) Rear vent is clogged.	Clean the oven following the cleaning instructions on pages 5-7. Perform the quarterly cleaning procedure (page 7).
Oven is cooling down, shutting down, or making selections on its own.	Debris is on the display. RTD issue	Clean the display. Call for service.
Touch response is slow or not detecting touch at all.	Bad boot up when power was cycled.	Unplug the oven for 30 seconds and plug the oven back in and see if the issue is resolved. If not, call Customer Support.
F1: Blower Running Status Bad	Oven power interrupted.	Verify the wall circuit breaker is on. Reset the breaker and then power the oven on. Turn the oven off and unplug the oven – leave for two minutes. Re-plug in the oven, switch on the isolator/main power supply, and select “Menu” and then a set temperature.
F2: Cook Temperature Low	Oven power interrupted. Air nozzles on the top/bottom of the cook cavity are clogged. Oven door is out of alignment. Defective heater. Blower motor not running. Oven not fully warmed up.	Verify the wall circuit breaker is on. Reset the breaker and then power the oven on. During daily cleaning, make sure to unclog the air nozzles on the top/bottom of the cook cavity. Open and close the door several times and verify the door is closed. Reset the high-limit thermostat located on the oven rear wall near the power cord. Call Customer Support. Repeat warmup and allow the oven to idle for five minutes.
F5: Magnetron Over Temperature	Blockage of cool air into the oven. Rear cooling fan exhaust guard(s) clogged.	Remove anything that may be obstructing the flow of cool air into the side/rear oven panels. Make sure the rear fans are free of debris.
F6: EC Temp	Blockage of cool air into the oven. Rear cooling fan exhaust guard(s) clogged.	Remove anything that may be obstructing the flow of cool air into the side/rear oven panels. Make sure the rear fans are free of debris.

# North America Limited Warranty

## TurboChef Bullet Rapid Cook Oven – North America

The TurboChef rapid cook oven Limited Warranty outlined below is activated upon shipment of your oven. Should you require additional assistance after reviewing the warranty outlined below, please call TurboChef Customer Support at 800.90TURBO.

### Limited Warranty

TurboChef Technologies, LLC (“TurboChef”) warrants to you, the purchaser, that under normal use the TurboChef rapid cook oven you have purchased (the “Equipment”) will be free from defects in material and workmanship during the Warranty Period, subject to the terms and conditions set forth herein. The “Warranty Period” is twelve (12) months from the date the Equipment is shipped from TurboChef’s U.S. factory or distribution center. This warranty is conditioned upon you promptly notifying TurboChef of any claims, as provided in the paragraph entitled “Warranty Claims” below, and providing TurboChef with all data and information requested by TurboChef or its service agents in connection with such claims as well as all necessary access to your premises and the Equipment. This warranty is made only to the initial purchaser of the Equipment from TurboChef or its authorized dealer; it is not assignable to subsequent purchasers unless TurboChef consents to such assignment in writing.

### Disclaimer of Warranties

Except as provided in the Limited Warranty above, the Equipment is provided “as-is”. TurboChef disclaims all other warranties, express, statutory or implied, including without limitation, the implied warranties of title, non-infringement, merchantability and fitness for a particular purpose. TurboChef does not warrant that the Equipment will meet your

specifications or needs. You acknowledge that you are solely responsible for the selection of the Equipment and determining the suitability of the Equipment for your needs.

### Warranty Exclusions

**Improper Installation, Operation or Maintenance:** Equipment that is not installed, operated and maintained in accordance with TurboChef’s rapid cook oven owner’s manual (as may be updated by TurboChef from time to time, the “Manual”), a copy of which is provided to you with the Equipment or otherwise will be furnished to you upon request, is excluded from this warranty. This warranty does not apply to damage or failure which results, in TurboChef’s or its service agent’s sole opinion, from failure to provide a suitable installation and operating environment (including power and HVAC) and facilities as prescribed by the Manual, misuse, abuse, accident, neglect, power failure or power surges (over or under voltage), or to damage or failure from flood, fire, lightning or other natural or man-made disasters, or other Acts of God, or to Equipment that has missing or altered serial numbers.

**Modifications and Repair:** Equipment that has been modified or altered by persons other than TurboChef or its service agents, or Equipment that has had non-approved devices or connection items attached thereto, is excluded from coverage under this warranty. Repair of the Equipment by anyone other than TurboChef or its authorized service agents will void all warranties on the Equipment.

**Accessories:** Accessories and parts (collectively “Accessories”) that are consumed in the normal course of Equipment operation or maintenance are excluded from this warranty. Failure of or damage to Equipment or components from the use of non-approved cleaning chemicals, devices or processes is also excluded from this warranty. Accessories may include, but are not limited to, ceramic cooking platters, paddles and approved cleaning chemicals and devices.

**Lower Jetplate and Porcelain-coated Oven Components:** Minor chipping in the porcelain is to be expected as a result of regular usage. Replacement or repair for cosmetic defects and/or damage to porcelain-coated oven components, including but not limited to the lower jetplate, is excluded from this warranty.

**Outstanding Invoices:** If the full invoiced amount for Equipment purchased has not been paid within forty-five (45) days from the invoice date, then TurboChef will have no obligation to honor this or any other warranty on the Equipment until payment is received in full, including any accrued interest or other charges, has been

**Warranty Service, Exclusive Remedy**

TurboChef will be solely responsible for determining whether or not the Equipment or any component thereof is defective. Defective components covered by this warranty will be repaired or replaced at TurboChef's option without charge to you and such repaired or replacement components will be covered by this warranty for the balance of the Warranty Period. Parts used in the repair of defective components and replacement components may be new, recovered or rebuilt. At its sole option, TurboChef may decide to replace defective Equipment covered by this warranty with new, recovered or rebuilt Equipment of equal or greater capability, and such Equipment will be covered by this Limited Warranty for the balance of the Warranty Period. Defective Equipment and components will become the property of TurboChef. This paragraph states TurboChef's sole and exclusive obligation and liability and your sole and exclusive remedy under this warranty. TurboChef shall not be responsible for a failure to provide warranty services due to causes beyond TurboChef's or its service agents' control.

**Warranty Claims**

Claims under this warranty must be reported to TurboChef during our normal working hours at 800.90TURBO, or such other reporting service as TurboChef may designate. Upon receipt of the claim and related information and preliminary verification that the claim is valid, TurboChef will promptly notify an authorized service agent to contact you and arrange for an on-site repair visit during the service agent's normal working hours. Any costs incurred by TurboChef or its service agent associated with a service agent being refused or unable to gain access to the Equipment on your premises, or a claim not covered by this warranty, will be charged to you.

**Disclaimer of Damages**

TurboChef disclaims all incidental, special and consequential damages, including but not limited to loss of use, lost revenue or profits, or substitute use, suffered by you or any third party, whether arising in contract, tort (including negligence), or otherwise, resulting from any breach by TurboChef or its service agents of this warranty, or resulting from the manufacture, use, or defects, of or in the Equipment, even if TurboChef was apprised of the possibility of such damages.

**Customer Indemnity**

You agree to indemnify, defend and hold TurboChef harmless from all third party claims, demands, judgments, fees and costs directly or indirectly arising out of or related to your use of the Equipment. You further agree to indemnify and hold TurboChef harmless from any incidental, consequential or special damages suffered by you, including lost revenue or profits, loss of use, or substitute use, during periods of Equipment failure or loss of use.

**Territory**

This warranty is valid in the United States of America, Canada and Puerto Rico.

**Governing Law, Entire Warranty**

This warranty shall be governed and construed in accordance with the laws of the State of Texas, USA (except with respect to its provisions regarding conflicts of laws). The warranty described herein is the complete and only warranty for Equipment and supersedes all prior oral or written agreements and understandings that may have existed between us relating to Equipment warranties. The terms of this warranty may not be altered, amended or modified except by a signed writing from TurboChef. Any purported alteration, amendment or modification by a service agent or anyone else will not be enforceable against TurboChef.

**Charges for Non-Warranty Service or Rejection of Service Visit**

In the event that repairs, replacement or service are provided by TurboChef's service agents for work not covered by this limited warranty, customer agrees to pay the service agent directly according to the service agent's normal scale of charges. In the event TurboChef is invoiced by the service agent for services not covered under this extended warranty, TurboChef will invoice customer and customer will pay such invoice based on terms of net 10 days. Customer also agrees to pay any cost incurred by TurboChef or its service agent associated with a service agent responding to a call for service, but then being refused or unable to gain access to the Oven on Customer's premises. Failure to submit payment may, at TurboChef's discretion, result in TurboChef voiding the balance of the warranty. In

# International Limited Warranty

This Limited Warranty shall apply to the sales of all TurboChef Bullet ovens (the “Equipment”) manufactured by TurboChef Technologies, LLC (“TurboChef”), and sold to purchasers outside of the United States, Canada, Puerto Rico, Central and South America by an Authorized Distributor of TurboChef International (the “Authorized Distributor”).

## Limited Warranty

You, the purchaser (“You”) have entered into a sales contract with the Authorized Distributor for the purchase of the Equipment. This Limited Warranty is made to you by the Authorized Distributor from whom you purchased the Equipment with the support of TurboChef. Subject to the limitations stated below, the Authorized Distributor warrants to You that the quantity and specification of the Equipment delivered to You shall be as set out in the Authorized Distributor’s acceptance of your order and that the Equipment will be free from any material defects in the product and workmanship for twelve (12) months from the date of installation (the “Warranty Period”), subject to the terms and conditions set forth herein.

## Disclaimer

You acknowledge that You are solely responsible for the selection of the Equipment and determining the suitability of the Equipment for Your needs. All other warranties, conditions or terms relating to fitness for purpose, quality or condition of the Equipment, whether expressed or implied by statute or common law or otherwise are excluded to the fullest extent permitted by law.

## The TurboChef Global Warranty System

This Limited Warranty commences upon delivery of the Equipment to Your premises. The Authorized Distributor will inspect and install the Equipment at Your premises in accordance with TurboChef’s instructions and will record the serial number of the Equipment, Your contact details, the date and location of installation and the results of the Authorized Distributor’s inspection. This information will be entered by the Authorized Distributor into the TurboChef global warranty system and will be used by TurboChef, the Authorized Distributor and its authorized service agents for the provision of the warranty service.

## Warranty Service

During the Warranty Period, any materially defective Equipment will be repaired or replaced free of charge at TurboChef’s option provided that:

1. You notify the Authorized Distributor from whom You purchased the Equipment and/or TurboChef as soon as reasonably possible after discovery of a defect and in accordance with the warranty claims procedure set out below;
2. You provide the Authorized Distributor from whom You purchased the Equipment and/or TurboChef with all data and information reasonably requested by TurboChef, the Authorized Distributor or its authorized service agents in connection with Your warranty claim;
3. You make the Equipment available to TurboChef, the Authorized Distributor or its authorized service agents;
4. The Equipment has been installed by an Authorized Distributor and you have provided all necessary information for the Authorized Distributor to register the Equipment in the TurboChef global warranty system;
5. The Equipment has been operated and maintained by You in accordance with TurboChef’s “Owner’s Manual”

provided with the Equipment (and as updated by TurboChef);

6. You have not used any non-approved devices, accessories, consumables or parts in conjunction with the Equipment; and
7. Repairs, modifications or alterations have not been attempted other than by TurboChef, an Authorized Distributor or its authorized service agent.

Neither TurboChef nor the Authorized Distributor assumes any liability for damage caused by Your failure to provide a suitable installation and operating environment (including power and HVAC) or facilities as prescribed by the Manual, misuse or abuse or by accident, neglect, power failure or power surges (over or under voltage) howsoever arising.

At its sole option, TurboChef may replace defective Equipment or components with new, recovered or rebuilt Equipment of equal or greater capability, and such Equipment or components will be warranted by the Authorized Distributor for the balance of the Warranty Period. Replaced defective Equipment or components will become the property of TurboChef.

**Warranty Claims:** Any warranty claim must be made directly in writing either to the Authorized Distributor from whom You purchased the Equipment or to TurboChef at the following address:

TurboChef Technologies, LLC  
 2801 Trade Center Drive  
 Carrollton, Texas 75007  
 Phone: +1 214.379.6000  
 Fax: +1 214.379.6073

The claim must include the serial number of the Equipment and be received by TurboChef on or before the last day of the Warranty Period. Upon receipt of Your claim, TurboChef will promptly notify an Authorized Distributor or an authorized service agent to contact You, to verify Your claim and, if necessary, to arrange for an on-site repair visit during normal working hours.

**Consumables and Parts Used with The Equipment:** Neither TurboChef nor the Authorized Distributor assumes any liability for consumables and parts that are used in the normal course of Equipment operation or for failure of or damage to Equipment or components from the use of non-approved cleaning chemicals, devices or processes.

**Lower Jetplate and Porcelain-coated Oven Components:** Minor chipping in the porcelain is to be expected as a result of regular usage. Replacement or repair for cosmetic defects and/or damage to porcelain-coated oven components, including but not limited to the lower jetplate, is excluded from this warranty.

**Charges for Service Not Covered by Limited Warranty:** In the event that You request and receive repairs, replacement or service not covered by this Limited Warranty, You will be invoiced and must pay the Authorized Distributor or authorized service agent directly according to its normal scale of charges and business terms.

**Product Liability:** Neither TurboChef nor the Authorized Distributor assumes any liability for any incidental, special or consequential damages, including but not limited to loss of use, lost revenue or profits, or substitute use suffered by You or any third party, whether arising in contract, tort (including negligence), or otherwise resulting from any breach by TurboChef or the Authorized Distributor of the Limited Warranty provided herein.

**Exclusive Remedy:** This Limited Warranty states the Authorized Distributors and TurboChef's sole and exclusive obligation and liability and your sole and exclusive remedy under this Limited Warranty.

**Third Party Rights:** The UK Contract (Rights of Third Parties) Act 1999 is excluded from applying to this Limited Warranty and nothing herein confers or purports to confer on any third party any benefit or any right to enforce any term of this Limited Warranty.

**Severability:** If any item or provision contained in this Limited Warranty or any part of them ("an offending provision") is declared to be or becomes unenforceable, invalid or illegal for any reason whatsoever in any jurisdiction, the other terms and provisions of this Limited Warranty shall remain in full force and effect in that jurisdiction as if it had been executed without the offending provision appearing in it and the entire Limited Warranty shall remain in full force and effect in all other jurisdictions.

**Governing Law, Entire, Agreement:** This Limited Warranty shall be governed by and construed according to English law.

For service or information:

WITHIN NORTH AMERICA CALL

Customer Support at 800.90TURBO

OUTSIDE NORTH AMERICA CALL

+1 214.379.6000 or Your Authorized Distributor



Part Number: ENC-1637 / Revision J / November 2023  
Country Code: NA/EU

Global Operations

2801 Trade Center Drive  
Carrollton, Texas 75007 USA  
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