

04/2013

Mod: DQ-40

Production code: TQ400

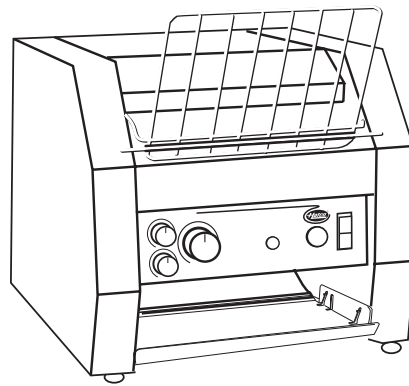
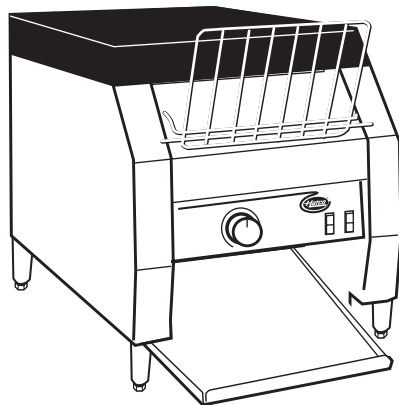


Diamond
catering equipment

Electric Conveyor Toasters

Installation & Operating Manual

I&W #07.05.124.00



This manual contains important safety information concerning the maintenance, use and operation of this product. Failure to follow the instructions contained in this manual may result in serious injury. If you're unable to understand the contents of this manual, please bring it to the attention of your supervisor. Do not operate this equipment unless you have read and understood the contents of this manual.

Este manual contiene importante información sobre seguridad concerniente al mantenimiento, uso y operación de este producto. Cualquier falla en el seguimiento de las instrucciones contenidas en este manual puede resultar en un serio daño. Si usted no puede entender el contenido de este manual por favor pregunte a su supervisor. No opere este equipo al menos que haya leído y comprendido el contenido de este manual.

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IMPORTANT OWNER INFORMATION

Record the model number, serial number (identification decal located on the lower right hand side, front corner of the unit), voltage and purchase date of your Toast-Qwik® in the spaces below.

Model No. _____

Serial No. _____

Voltage _____

Date of Purchase _____

INTRODUCTION

The Hatco Toast-Qwik Electric Conveyor Toaster is specially designed to accelerate the toasting operation. Products for toasting pass through a heating chamber for rapid and thorough toasting. Moisture and sugar content, and thickness of bread product effect the ability to achieve the perfect toasted product. Conveyor speed and temperature determines the toasting color.

Hatco toasters are built with quality to meet the demands of foodservice operations and provide years of trouble-free performance. The metal-sheathed tubular heating elements are guaranteed against breakage and burnout for two years.

This manual provides the installation, safety and operating instructions for the Toast-Qwik Electric Conveyor Toasters. We recommend all installation, operating and safety instructions appearing in this

manual be read prior to installation or operation of your Hatco Electric Conveyor Toaster. Safety instructions that appear in this manual after a warning symbol  and the words **WARNING** or **CAUTION** printed in bold face are very important.  **WARNING** means there is the possibility of serious injury or death to yourself or others.  **CAUTION** means there is the possibility of minor or moderate injury. **CAUTION** without the symbol signifies the possibility of equipment or property damage only.

Hatco Toast-Qwik Electric Conveyor Toaster is a product of extensive research and field testing. The materials used were selected for maximum durability, attractive appearance and optimum performance. Every unit is thoroughly inspected and tested prior to shipment.

IMPORTANT SAFETY INFORMATION

IMPORTANT! Read the following important safety instructions to avoid personal injury or death, and to avoid damage to the equipment or property.

WARNINGS

-  Plug toaster into a properly grounded electrical outlet of the correct voltage, size, and plug configuration. If the plug and receptacle do not match, contact a qualified electrician to determine the proper voltage and size, and install the proper electrical outlet.
-  To avoid any injury, turn the power switch OFF, unplug the unit from the power source and allow to cool before performing any maintenance.
-  For safe and proper operation, the unit must be located at a reasonable distance from combustible walls and materials. If safe distances are not maintained, discoloration or combustion could occur. Do not locate toaster under shelving or closer than 12" (305 mm) from the ceiling.
-  To assure safe and proper operation while operating in the Front Discharge mode, allow a minimum clearance of 1" (25 mm) along the sides and rear. Allow a minimum clearance of 12" (305 mm) along the front.
-  To assure safe and proper operation while operating in the Rear Discharge mode, allow a minimum clearance of 1" (25 mm) along the sides. Allow a minimum clearance of 12" (305 mm) along the front and rear.
-  To prevent any injury or damage do not pull unit by power cord.
-  To prevent any injury, discontinue use if power cord is frayed or worn.
-  If the Warning light on the control panel is lit, appliance is malfunctioning. Turn OFF the power to the unit and allow to cool. Once cool, disconnect appliance from power supply and have unit serviced by a qualified technician.
-  If service is required on this unit, contact your Authorized Hatco Service Agent, or contact the Hatco Service Department at 800-558-0607 or 414-671-6350; fax 800-690-2966 or International fax 414-671-3976.
-  This product has no "user" serviceable parts. To avoid damage to the unit or injury to personnel, use only Authorized Hatco Service Agents and Genuine Hatco Parts when service is required.
-  Genuine Hatco Replacement Parts are specified to operate safely in the environments in which they are used. Some aftermarket or generic replacement parts do not have the characteristics that will allow them to operate safely in Hatco equipment. It is essential to use Hatco Replacement Parts when repairing Hatco equipment. Failure to use Hatco Replacement Parts may subject operators of the equipment to hazardous electrical voltage, resulting in electrical shock or burn.

CAUTIONS

-  To avoid any injury or damage locate the unit at the proper counter height, in an area that is convenient for use. The location should be level to prevent the unit or its contents from accidentally falling, and strong enough to support the weight of the unit and food.
-  Do not place anything on top of the toaster; doing so could damage toaster or subject personnel to possible injury.
-  The toasting of coated or buttered products such as garlic bread, cheese sandwiches and sweet rolls is NOT recommended. Residue will reduce toaster performance and could possibly ignite inside the toaster.
-  When setting up the unit for operation, make sure power to the unit is off and the toaster is at room temperature. Failure to do so could result in personal injury.
-  Some exterior surfaces on the unit will get hot. Use caution when touching these areas to avoid injury.
-  To avoid damage to the unit or injury to personnel always operate toaster with crumb tray installed.
-  To avoid any injury, do not remove the crumb tray for cleaning until toaster is cool.

IMPORTANT SAFETY INFORMATION

CAUTIONS (CONTINUED)

-  Unit is not weatherproof. For safe and proper operation the unit must be located indoors where the ambient air temperature is a minimum of 70°F (21°C) and a maximum of 85°F (29°C).

CAUTIONS

Do not locate the toaster in an area subject to excessive temperatures or grease from grills, fryers, etc. Excessive temperatures could cause damage to the unit. Do not place toaster in an area that restricts air flow around the front or rear of the unit. Do not place toaster in direct discharge path of air conditioning vent or makeup air vent.

Use only non-abrasive cleaners. Abrasive cleaners could scratch the finish of your Toast-Qwik toaster marring its appearance and making it susceptible to soil accumulation.

MODEL DESCRIPTIONS

ALL MODELS

All Toast-Qwik® Electric Conveyor Toasters are fast, reliable and versatile, toasting 300 to 1800 slices of bread product per hour depending on the specific model. The front or rear discharge lets the operator place Toast-Qwik toaster where it is most convenient. Every Toast-Qwik toaster includes a toast collector pan, toast feed ramp, removable crumb tray and factory attached 6' (1829 mm) cord and plug.

TQ-10 MODEL

The TQ-10 model allows for toasting of bread products up to 1-1/2" (38 mm) thick and 9-5/8" (244 mm) wide. Capacity is up to 300 slices per hour for bread or bun products. The TQ-10 comes equipped with 4" (102 mm) adjustable legs.

TQ-15 MODEL

The TQ-15 model allows for toasting of moist or dense bread products up to 1-1/2" (38 mm) thick and 9-5/8" (244 mm) wide. Capacity is up to 240 slices per hour for bread or bun products. The TQ-15 comes equipped with 4" (102 mm) adjustable legs.

POWER SAVE MODE WITH INDICATOR LIGHT

All TQ-400, TQ-800, TQ-1200 and TQ-1800 series toasters have a Power Save mode. During the Power Save mode the indicator light on the control panel will flash. While the light is flashing the toaster is operating at 50% power. Full power can be restored within 5 minutes by pushing any button or adjusting any control knob.

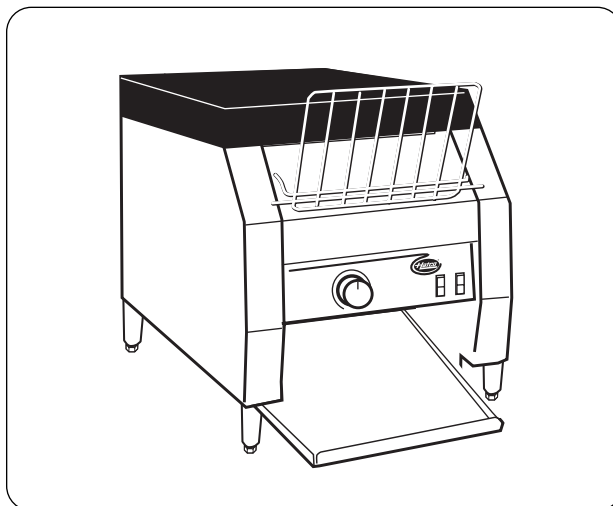


Figure 1. TQ-10 Model Shown

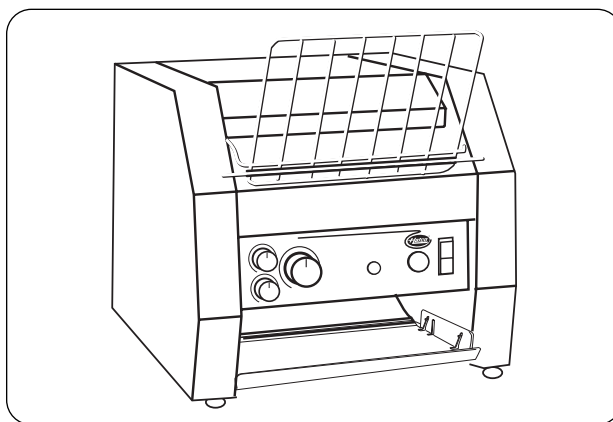


Figure 2. TQ-800 Model Shown

MODEL DESCRIPTIONS

COLORGUARD SYSTEM

All TQ-400, TQ-800, TQ-1200 and TQ-1800 series toasters use a patented *ColorGuard Sensing System* that monitors and automatically adjusts conveyor speed during high usage periods to assure toast color uniformity.

TQ-400 MODEL

The TQ-400 model allows for toasting of bread products up to 1-3/4" (44 mm) thick and 9-5/8" (244 mm) wide. Capacity is up to 360 slices per hour for bread or bun products.

TQ-405 MODEL

The TQ-405 model allows for toasting of moist or dense bread products up to 1-3/4" (44 mm) thick and 9-5/8" (244 mm) wide. Capacity is up to 240 slices per hour for bread or bun products.

TQ-400H MODEL

The TQ-400H model has a 3" (76 mm) wide opening allowing for toasting of bread products up to 2-3/4" (70 mm) thick and 9-5/8" (244 mm) wide. Capacity is up to 360 slices per hour for bread or bun products.

TQ-400BA MODEL

The TQ-400BA model allows for quick single-sided toasting of sliced bagels or bun products up to 1-3/4" (44 mm) thick and 9-5/8" (244 mm) wide. Most products can be toasted in as little as 45 seconds. Capacity is up to 360 bagel halves per hour. Toasts cut side facing up.

TQ-800 MODEL

The TQ-800 model allows for toasting of bread products up to 1-3/4" (44 mm) thick and 9-5/8" (244 mm) wide. Capacity is up to 800 slices per hour for bread or bun products.

TQ-805 MODEL

The TQ-805 model allows for toasting of moist or dense bread products up to 1-3/4" (44 mm) thick and 9-5/8" (244 mm) wide. Capacity is up to 550 slices per hour for bread or bun products.

TQ-800H MODEL

The TQ-800H model has a 3" (76 mm) wide opening allowing for toasting of bread products up to 2-3/4" (70 mm) thick and 9-5/8" (244 mm) wide. Capacity is up to 800 slices per hour for bread or bun products.

TQ-800BA MODEL

The TQ-800BA model allows for quick single-sided toasting of sliced bagels or bun products up to 1-3/4" (44 mm) thick and 9-5/8" (244 mm) wide. Most

products can be toasted in as little as 30 seconds. Capacity is up to 800 bagel or bun halves per hour. Toasts cut side facing up.

TQ-800HBA MODEL

The TQ-800HBA model is designed to provide the flexibility and performance to toast one side of sliced bagels or bun products in as little as 30 seconds. Capacity is more than 800 bagel or bun halves per hour. Toasts cut side facing up. Maximum product size allowed is 2-3/4" (70 mm) thick and 9-5/8" (244 mm) wide.

TQ-1200 MODEL

The TQ-1200 is a high speed toaster which has an accelerated conveyor system allowing faster toasting during periods of high demand. Two slices of bread products can be toasted in as little as 15 seconds. This model is capable of toasting bread products up to 1-3/4" (44 mm) thick and 9-5/8" (244 mm) wide.

TQ-1800 MODEL

The TQ-1800 model allows for toasting of bread products up to 1-3/4" (44 mm) thick and 13-5/8" (346 mm) wide. Capacity is up to 1800 slices per hour for bread or bun products when 3 products are placed side by side.

TQ-1800H MODEL

The TQ-1800H model has a 3" (76 mm) wide opening allowing for toasting of bread products up to 2-3/4" (70 mm) thick and 13-5/8" (346 mm) wide. Capacity is up to 1800 slices per hour for bread or bun products when 3 products are placed side by side to be toasted.

TQ-1800BA MODEL

The TQ-1800BA model allows for quick single-sided toasting of sliced bagels or bun products up to 1-3/4" (44 mm) thick and 13-5/8" (346 mm) wide. Most products can be toasted in as little as 15 seconds. Capacity is up to 1800 bagel or bun halves per hour. Toasts cut side facing up.

TQ-1800HBA MODEL

The TQ-1800HBA model is designed to provide the flexibility and performance to toast one side of sliced bagels or bun products in as little as 15 seconds. Capacity is more than 1800 bagel or bun halves per hour. Toasts cut side facing up. Maximum product size allowed is 2-3/4" (70 mm) thick and 13-5/8" (346 mm) wide when 3 products are placed side by side.

SPECIFICATIONS

ELECTRICAL RATING CHART – TQ-10 MODELS

Model	Voltage	Hertz	Watts	Amps	Plug Configuration	Shipping Weight
TQ-10	120	60	1800	15.0	NEMA 5-15P*	34 lbs. (15 kg)
	208	60	1830	8.8	NEMA 6-15P	34 lbs. (15 kg)
	240	60	1830	7.6	NEMA 6-15P	34 lbs. (15 kg)
	200	50/60	2070	10.4	AS 3112	34 lbs. (15 kg)
	220-230 (CE)	50/60	1866-2048	8.5-8.9	See Note	34 lbs. (15 kg)
	230-240 (CE)	50/60	2048-2221	8.9-9.3	See Note	34 lbs. (15 kg)

* NEMA 5-20P for Canada

Shaded area reflects **export models only**.

NOTE: TQ-10 220-230 Volt (CE) and 230-240 Volt (CE) available with either CEE 7/7 Schuko, BS 1363 or AS 3112 plug. See Plug Configurations for details.

ELECTRICAL RATING CHART – TQ-15 MODELS

Model	Voltage	Hertz	Watts	Amps	Plug Configuration	Shipping Weight
TQ-15	220-230 (CE)	50/60	2131-2330	9.7-10.1	See Note	34 lbs. (15 kg)
	230-240 (CE)	50/60	2048-2221	8.9-9.3	See Note	34 lbs. (15 kg)

Shaded area reflects **export models only**.

NOTE: TQ-15 220-230 Volt (CE) and 230-240 Volt (CE) available with either CEE 7/7 Schuko, BS 1363 or AS 3112 plug. See Plug Configurations for details.

ELECTRICAL RATING CHART – TQ-400 SERIES

Model	Voltage	Hertz	Watts	Amps	Plug Configuration	Shipping Weight
TQ-400	120	60	1800	15.0	NEMA 5-15P*	46 lbs. (21 kg)
	208	60	2230	10.7	NEMA 6-15P	46 lbs. (21 kg)
	240	60	2230	9.3	NEMA 6-15P	46 lbs. (21 kg)
	200	50/60	2064	10.3	AS 3112	46 lbs. (21 kg)
	220-230 (CE)	50/60	1860-2030	8.5-8.8	See Note	46 lbs. (21 kg)
	230-240 (CE)	50/60	2030-2210	8.8-9.2	See Note	46 lbs. (21 kg)
TQ-405	220-230 (CE)	50/60	2131-2330	9.7-10.1	See Note	46 lbs. (21 kg)
	230-240 (CE)	50/60	2030-2210	8.8-9.2	See Note	46 lbs. (21 kg)
TQ-400H	208	60	2230	10.7	NEMA 6-15P	46 lbs. (21 kg)
	240	60	2230	9.3	NEMA 6-15P	46 lbs. (21 kg)
	200	50/60	2064	10.3	AS 3112	46 lbs. (21 kg)
	220-230 (CE)	50/60	2131-2330	9.7-10.1	See Note	46 lbs. (21 kg)
	230-240 (CE)	50/60	2030-2210	8.8-9.2	See Note	46 lbs. (21 kg)
TQ-400BA	120	60	1780	14.8	NEMA 5-15P*	46 lbs. (21 kg)
	208	60	1880	9.0	NEMA 6-15P	46 lbs. (21 kg)
	240	60	1880	7.8	NEMA 6-15P	46 lbs. (21 kg)
	200	50/60	1848	9.2	AS 3112	46 lbs. (21 kg)
	220-230 (CE)	50/60	1765-1930	8.0-8.4	See Note	46 lbs. (21 kg)
	230-240 (CE)	50/60	1930-2100	8.4-8.8	See Note	46 lbs. (21 kg)

* NEMA 5-20P for Canada

Shaded area reflects **export models only**.

NOTE: TQ-400, TQ-405, TQ-400H, and TQ-400BA 220-230 Volt (CE) and 230-240 Volt (CE) available with either CEE 7/7 Schuko, BS 1363 or AS 3112 plug. See Plug Configurations for details.

SPECIFICATIONS

ELECTRICAL RATING CHART – TQ-800 SERIES

Model	Voltage	Hertz	Watts	Amps	Plug Configuration	Shipping Weight
TQ-800	208	60	3330	16.0	NEMA 6-20P	52 lbs. (24 kg)
	240	60	3330	13.9	NEMA 6-15P*	52 lbs. (24 kg)
	200	50/60	3080	15.4	See Note	52 lbs. (24 kg)
	220-230 (CE)	50/60	3046-3330	13.8-14.5	See Note	52 lbs. (24 kg)
	230-240 (CE)	50/60	3330-3625	14.5-15.1	See Note	52 lbs. (24 kg)
TQ-805	230-240 (CE)	50/60	3330-3625	14.5-15.1	See Note	52 lbs. (24 kg)
TQ-800H	208	60	3330	16.0	NEMA 6-20P	52 lbs. (24 kg)
	240	60	3330	13.9	NEMA 6-15P*	52 lbs. (24 kg)
	200	50/60	3080	15.4	See Note	52 lbs. (24 kg)
	220-230 (CE)	50/60	3046-3330	13.8-14.5	See Note	52 lbs. (24 kg)
	230-240 (CE)	50/60	3330-3625	14.5-15.1	See Note	52 lbs. (24 kg)
TQ-800BA	208	60	3280	15.8	NEMA 6-20P	52 lbs. (24 kg)
	240	60	3280	13.7	NEMA 6-15P*	52 lbs. (24 kg)
	200	50/60	3033	15.1	See Note	52 lbs. (24 kg)
	220-230 (CE)	50/60	2817-3080	12.8-13.4	See Note	52 lbs. (24 kg)
	230-240 (CE)	50/60	3080-3354	13.4-14.0	See Note	52 lbs. (24 kg)
TQ-800HBA	208	60	3280	15.8	NEMA 6-20P	52 lbs. (24 kg)
	240	60	3280	13.7	NEMA 6-15P*	52 lbs. (24 kg)
	200	50/60	3033	15.1	See Note	52 lbs. (24 kg)
	220-230 (CE)	50/60	2817-3080	12.8-13.4	See Note	52 lbs. (24 kg)
	230-240 (CE)	50/60	3080-3354	13.4-14.0	See Note	52 lbs. (24 kg)

* NEMA 6-20P for Canada

Shaded area reflects **export models only**.

NOTE: TQ-800, TQ-805, TQ-800H, TQ-800BA and TQ-800HBA 200 Volt (no CE), 220-230 Volt (CE) and 230-240 Volt (CE) equipped with 6' (1829 mm) cord attached, no plug.

ELECTRICAL RATING CHART – TQ-1200 MODELS

Model	Voltage	Hertz	Watts	Amps	Plug Configuration	Shipping Weight
TQ-1200	208	60	4030	19.4	NEMA 6-30P	52 lbs. (24 kg)
	240	60	4030	16.8	NEMA 6-30P	52 lbs. (24 kg)

ELECTRICAL RATING CHART – TQ-1800 MODELS

Model	Voltage	Hertz	Watts	Amps	Plug Configuration	Shipping Weight
TQ-1800	208	60	4440	21.4	NEMA 6-30P	75 lbs. (34 kg)
	240	60	4440	18.5	NEMA 6-30P	75 lbs. (34 kg)
TQ-1800H	208	60	4650	22.4	NEMA 6-30P	75 lbs. (34 kg)
	240	60	4650	19.4	NEMA 6-30P	75 lbs. (34 kg)
TQ-1800BA	208	60	4580	22.0	NEMA 6-30P	75 lbs. (34 kg)
	240	60	4580	19.1	NEMA 6-30P	75 lbs. (34 kg)
TQ-1800HBA	208	60	4580	22.0	NEMA 6-30P	75 lbs. (34 kg)
	240	60	4580	19.1	NEMA 6-30P	75 lbs. (34 kg)

SPECIFICATIONS

PLUG CONFIGURATIONS

Units are supplied from the factory with an electrical cord and plug installed. Plugs are supplied according to the applications as shown in Figure 3.

⚠ WARNING

Plug unit into a properly grounded electrical outlet of the correct voltage, size and plug configuration. If the plug and receptacle do not match, contact a qualified electrician to determine the proper voltage and size and install the proper electrical outlet.

⚠ WARNING

To prevent any injury or damage do not pull unit by power cord.

⚠ WARNING

To prevent any injury, discontinue use if power cord is frayed or worn.

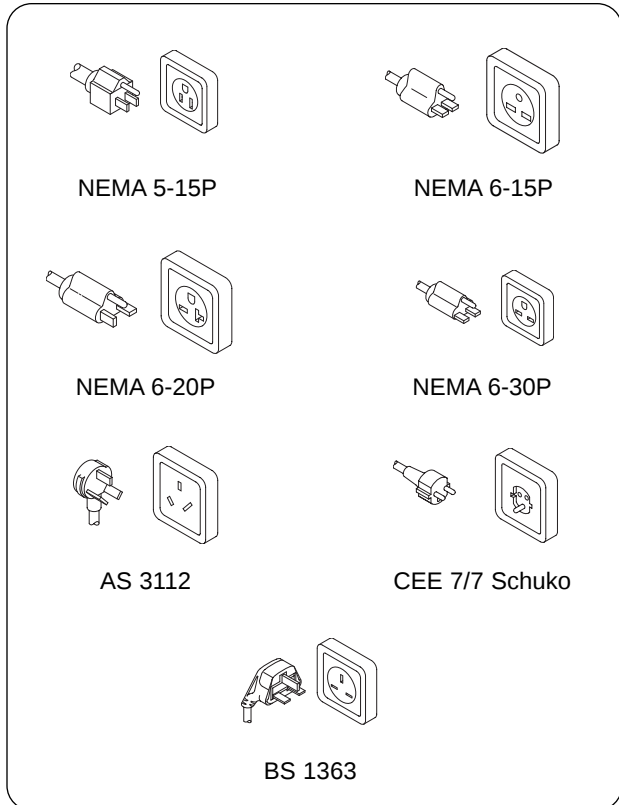
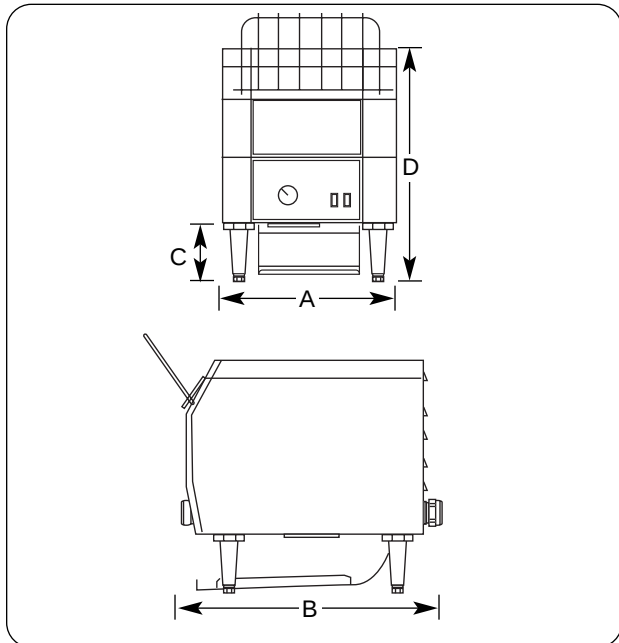


Figure 3. Plug Configurations

DIMENSIONS – TQ-10 & TQ-15 MODELS

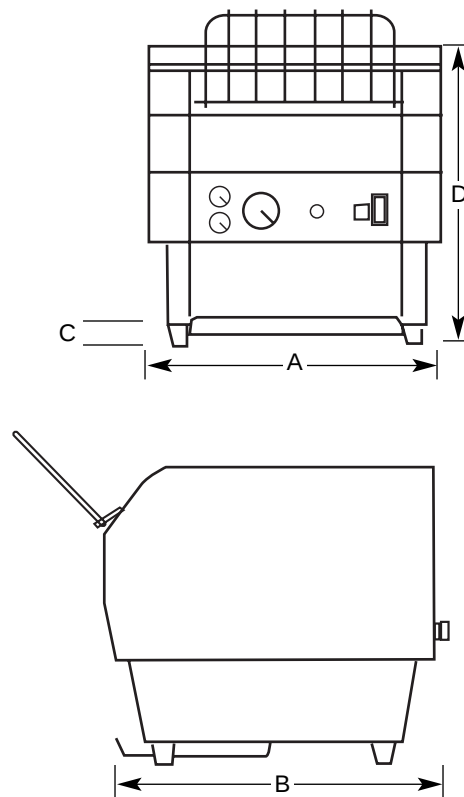
Model	Width (A)	Depth (B)	Leg Height (C)	Height (D)
TQ-10	14-1/2" (368 mm)	17-3/4" (451 mm)	4" (102 mm)	13-3/4" (349 mm)
TQ-15	14-1/2" (368 mm)	17-3/4" (451 mm)	4" (102 mm)	13-3/4" (349 mm)



SPECIFICATIONS

DIMENSIONS – TQ 400, -405, -400H, -800, -805, -1200 & -1800 SERIES

Model	Width (A)	Depth (B)	Leg Height (C)	Height (D)
TQ-400	14-1/2" (368 mm)	17-3/4" (451 mm)	1" (25 mm)	14-7/8" (378 mm)
TQ-405	14-1/2" (368 mm)	17-3/4" (451 mm)	1" (25 mm)	14-7/8" (378 mm)
TQ-400H	14-1/2" (368 mm)	17-3/4" (451 mm)	1" (25 mm)	15-7/8" (403 mm)
TQ-400BA	14-1/2" (368 mm)	17-3/4" (451 mm)	1" (25 mm)	14-7/8" (378 mm)
TQ-800	14-1/2" (368 mm)	22-3/4" (578 mm)	1" (25 mm)	16-5/8" (422 mm)
TQ-805	14-1/2" (368 mm)	22-3/4" (578 mm)	1" (25 mm)	16-5/8" (422 mm)
TQ-800H	14-1/2" (368 mm)	22-3/4" (578 mm)	1" (25 mm)	16-5/8" (422 mm)
TQ-800BA	14-1/2" (368 mm)	22-3/4" (578 mm)	1" (25 mm)	16-5/8" (422 mm)
TQ-800HBA	14-1/2" (368 mm)	22-3/4" (578 mm)	1" (25 mm)	16-5/8" (422 mm)
TQ-1200	14-1/2" (368 mm)	22-3/4" (578 mm)	1" (25 mm)	16-5/8" (422 mm)
TQ-1800	18-1/2" (470 mm)	22-3/4" (578 mm)	1" (25 mm)	16-5/8" (422 mm)
TQ-1800H	18-1/2" (470 mm)	22-3/4" (578 mm)	1" (25 mm)	16-5/8" (422 mm)
TQ-1800BA	18-1/2" (470 mm)	22-3/4" (578 mm)	1" (25 mm)	16-5/8" (422 mm)
TQ-1800HBA	18-1/2" (470 mm)	22-3/4" (578 mm)	1" (25 mm)	16-5/8" (422 mm)



INSTALLATION

ASSEMBLY

1. Remove unit from box.
2. Remove information packet. **To prevent delay in obtaining warranty coverage, fill out and mail in warranty card to Hatco.**
3. Remove tape from Discharge Chute, Crumb Tray and Toast Collector Pan. See Figure 4.
4. If toaster is not level adjust the foot of each leg until level. (TQ-10 & TQ-15 models use 9/16" (14 mm) open-end wrench to adjust leg height.)

LOCATION

CAUTION

Do not locate the toaster in an area subject to excessive temperatures or grease from grills, fryers, etc. Excessive temperatures could cause damage to the unit. Do not place toaster in an area that restricts air flow around the front or rear of the unit. Do not place toaster in direct discharge path of air conditioning vent or makeup air vent.

⚠ WARNING

For safe and proper operation, the unit must be located a reasonable distance from combustible walls and materials. If safe distances are not maintained, discoloration or combustion could occur. Do not locate toaster under shelving or closer than 12" (305 mm) from the ceiling.

⚠ WARNING

To assure safe and proper operation while operating in the Front Discharge mode, allow a minimum clearance of 1" (25 mm) along the sides and rear. Allow a minimum clearance of 12" (305 mm) along the front.

⚠ WARNING

To assure safe and proper operation while operating in the Rear Discharge mode, allow a minimum clearance of 1" (25 mm) along the sides. Allow a minimum clearance of 12" (305 mm) along the front and rear.

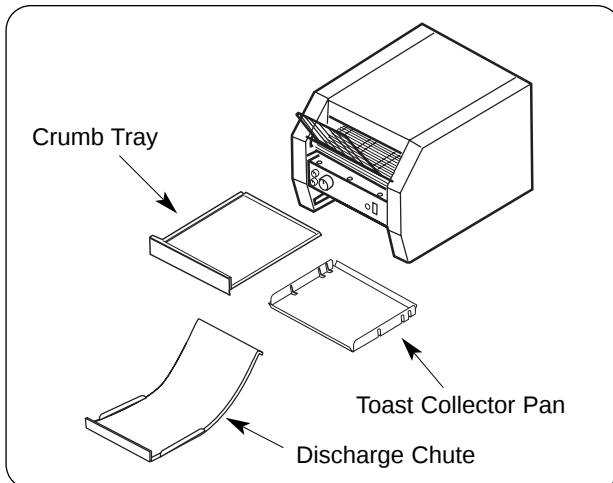


Figure 4. Front View – TQ-400 Model Shown

Leg Adjustment

Adjust leg using a 9/16" (14 mm) open-end wrench and turning bottom of leg accordingly.

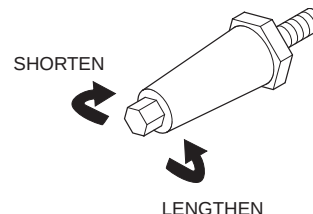


Figure 5. Adjustable Legs (TQ-10 & TQ-15 Models Only)

⚠ CAUTION

To avoid any injury or damage locate the unit at the proper counter height, in an area that is convenient for use. The location should be level to prevent the unit or its contents from accidentally falling, and strong enough to support the weight of the unit and food.

⚠ CAUTION

Do not place anything on top of the toaster; doing so could damage toaster or subject personnel to possible injury.

INSTALLATION

SET-UP

⚠ CAUTION

Unit is not weatherproof. For safe and proper operation the unit must be located indoors where the ambient air temperature is a minimum of 70°F (21°C) and a maximum of 85°F (29°C).

⚠ CAUTION

The toasting of coated or buttered products such as garlic bread, cheese sandwiches and sweet rolls is NOT recommended. Residue will reduce toaster performance and could possibly ignite inside the toaster.

⚠ CAUTION

When setting up the unit for operation, make sure power to the unit is off and the toaster is at room temperature. Failure to do so could result in personal injury.

TOAST FEED RAMP

The toast feed ramp is installed at the factory and can be used in two positions. See Figure 6.

1. When in the upright position, the toaster is set for automatic feed. Bread products enter the toaster by placing them on the feed ramp and releasing.
2. For manual feeding of product, tip the feed ramp until it rests on top of the unit. In this position bread products can be manually loaded by placing directly on the conveyor belt.

⚠ CAUTION

Some exterior surfaces on the unit will get hot. Use caution when touching these areas to avoid injury.

TOAST CRUMB TRAY

Install toast crumb tray directly below the conveyor belt and below the stop pins. Insert until the front of the crumb tray meets the stop pins. See Figure 7.

⚠ CAUTION

To avoid damage to the unit or injury to personnel always operate toaster with crumb tray installed.

⚠ CAUTION

To avoid any injury, do not remove the crumb tray for cleaning until toaster is cool.

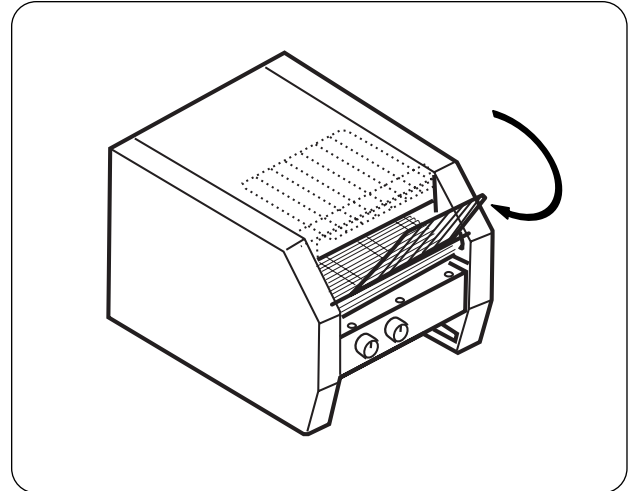


Figure 6. Toast Feed Ramp

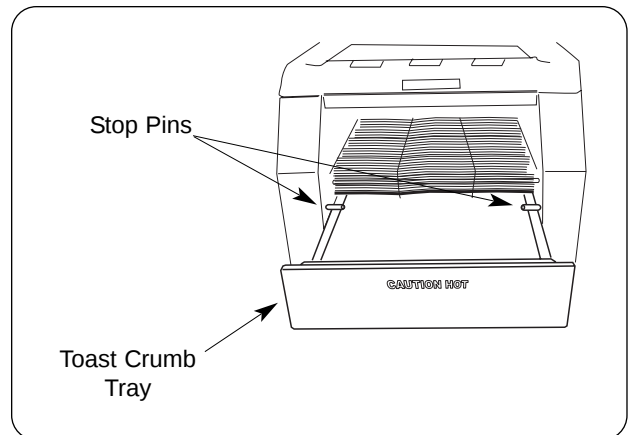


Figure 7. Toast Crumb Tray

INSTALLATION

FRONT OR REAR DISCHARGE

Toast-Qwik® units can be set up so toasted product discharges at either the front or the rear of the unit.

WARNING

To assure safe and proper operation while operating in the **Front Discharge** mode, allow a minimum clearance of 1" (25 mm) along the sides and rear. Allow a minimum clearance of 12" (305 mm) along the front.

WARNING

To assure safe and proper operation while operating in the **Rear Discharge** mode, allow a minimum clearance of 1" (25 mm) along the sides. Allow a minimum clearance of 12" (305 mm) along the front and rear.

TQ-10 & TQ-15 MODELS ONLY

The TQ-10 & TQ-15 models use a one piece discharge chute/collector pan. The installation location determines discharge area.

For **front discharge** install toaster chute from the front of the toaster with the curved end inward and the rear lip of the chute on the rear most pins. See Figure 8.

For **rear discharge** install toaster chute from the rear of the toaster with the curved end in, and the lip of the chute over the inside set of pins. See Figure 9.

TQ-400, -800, -1200 & -1800 SERIES

TQ-400, -800, -1200 and -1800 series toasters use a separate discharge chute and collector pan.

For front discharge install the chute first by placing the curved end inward until the rear lip of the chute is on the upper most set of pins and the front slots on the chute are on the inside set of pins. Position the collector pan, with the open end in first, over the remaining sets of pins. Align slanted notches over the pins and lower into place. See Figure 10.

For rear discharge the TQ-400, -800, -1200 and -1800 series toasters do not use the discharge chute. If the chute is installed remove it. To set-up toaster for rear discharge position, install the collector pan, with the open end first, over the set of pins at the rear of the unit. Align the straight notches over the pins and lower into place. See Figure 11.

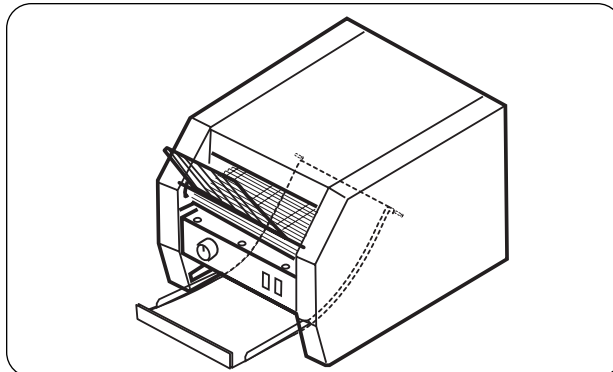


Figure 8. TQ-10 & TQ-15 Front Discharge

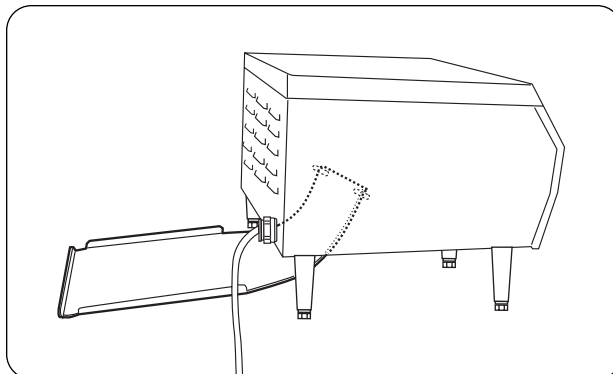


Figure 9. TQ-10 & TQ-15 Rear Discharge

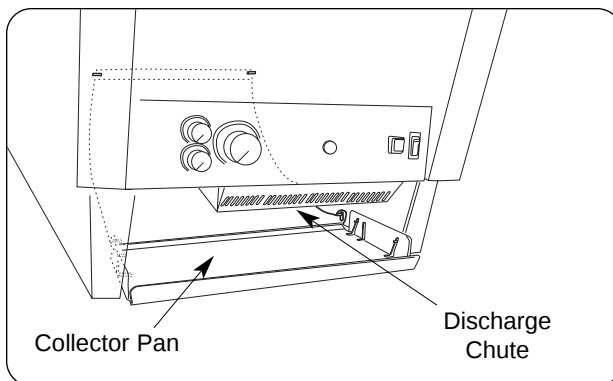


Figure 10. TQ-400, -800, -1200 & -1800 Series Front Discharge

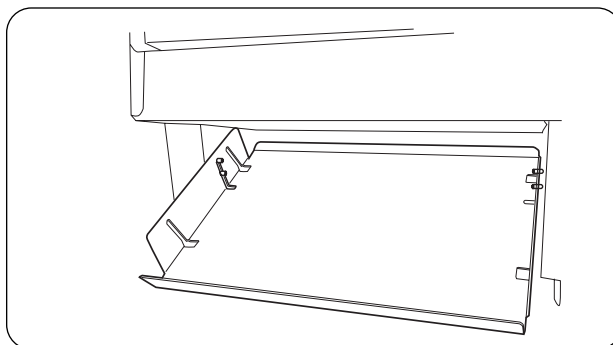


Figure 11. TQ-400, -800, -1200 & -1800 Series Rear Discharge

OPERATION

TQ-10 & TQ-15 MODELS

1. Plug toaster into a properly grounded electrical outlet of the correct voltage, size and plug configuration. See *SPECIFICATIONS* for details.
2. **To toast the top and bottom sides** of the bread, place the TOP HEAT and BOTTOM HEAT switches in the ON position.

To toast on the top side only, place the TOP HEAT switch in the ON position and the BOTTOM HEAT switch in the OFF position.

To toast on the bottom side only, place the TOP HEAT switch in the OFF position and the BOTTOM HEAT switch in the ON position. See Figure 12.

3. Turn the COLOR CONTROL to the lightest position while the unit heats up.

NOTE: Allow approximately 15 to 20 minutes for a warm-up period.

4. After warm-up period, set the COLOR CONTROL to the medium position and toast two slices of bread product then re-adjust the COLOR CONTROL to the desired setting.

NOTE: To toast moist products such as English Muffins, rye bread or whole wheat, slow the conveyor by turning the Color Control knob to a darker setting (clockwise).

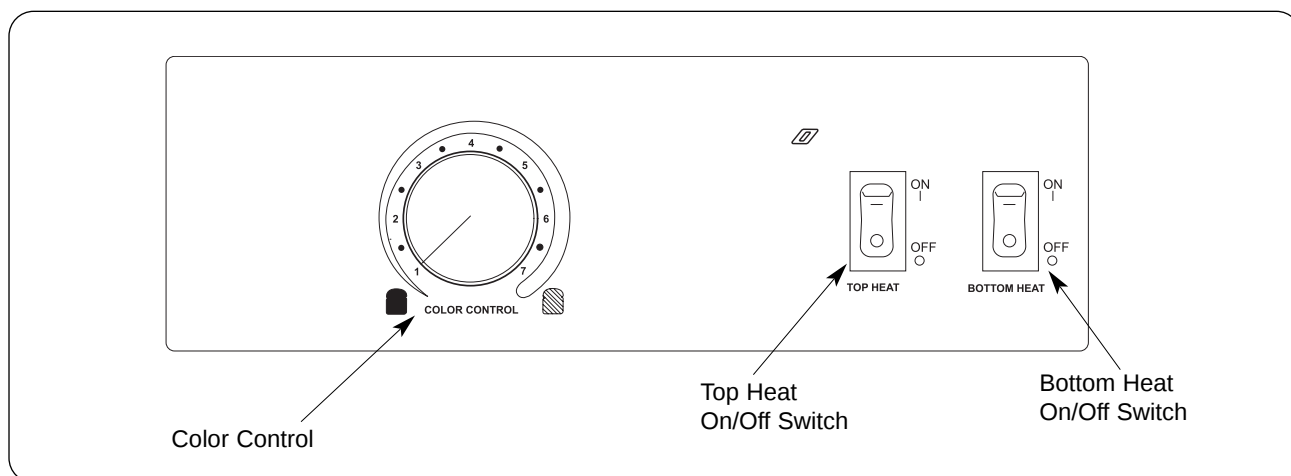


Figure 12. Control Panel – TQ-10 & TQ-15 Models

OPERATION

TQ-400, -405, -400H, -800, -805, -800H, -1200 & -1800 MODELS

1. Plug toaster into a properly grounded electrical outlet of the correct voltage, size and plug configuration. See *SPECIFICATIONS* for details.
2. Place the On/Off switch in the ON position. See Figure 13 for TQ-400, -800, and -1200 Series. See Figure 14 for TQ-1800 Series.
3. Turn the TOP HEAT Control and BOTTOM HEAT Control clockwise to the highest setting.
4. Turn the COLOR CONTROL to the lightest position while the toaster heats up.

NOTE: Allow approximately 15 to 20 minutes for a warm-up period.

5. After warm-up period, toast two slices of bread product. Adjust the COLOR CONTROL if needed.

NOTE: If toasted bread is too dark with the Color Control set on the lightest setting, adjust the bottom and top heat controls as needed. (Allow 15 to 20 minutes for toaster to re-adjust to new setting before resuming operation.)

NOTE: To toast moist products such as English Muffins, rye bread or whole wheat, slow the conveyor by turning the Color Control knob to a darker setting (clockwise).

NOTE: When toasting on a single-sided product such as a bun or bagel place the product with the cut side facing up. Adjust the bottom heat control to a light setting, toast two slices of bread product and adjust the Top and Bottom Heat Control as needed.

TQ-400BA, -800BA, -800HBA, -1800BA & -1800HBA MODELS

NOTE: TQ-400BA, -800BA, -800HBA, -1800BA and -1800HBA toasters are designed specifically for toasting one side of a bread product, such as a bun or bagel. These models toast with the cut side facing up.

1. Plug toaster into a properly grounded electrical outlet of the correct voltage, size and plug configuration. See *SPECIFICATIONS* for details.
2. Place the On/Off switch in the ON position. See Figure 13 for TQ-400, -800, and -1200 Series. See Figure 14 for TQ-1800 Series.
3. Turn the TOP HEAT Control clockwise to the highest setting. Turn the BOTTOM HEAT Control counter-clockwise to the lowest setting.
4. Turn the COLOR CONTROL to the lightest position while the toaster heats up.

NOTE: Allow approximately 15 to 20 minutes for a warm-up period.

5. After warm up period, toast two slices of bread product. Adjust the COLOR CONTROL if needed.

NOTE: If cut-side of bread product is too dark with the Color Control set on the lightest setting, adjust the Top Heat Control as needed. (Allow 15-20 minutes for toaster to re-adjust to new setting before resuming operation.)

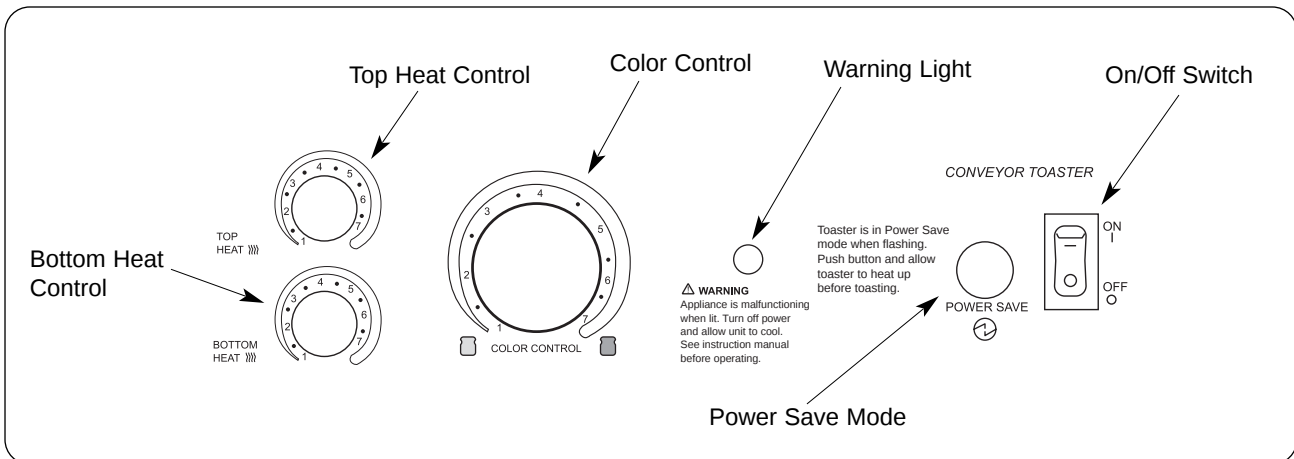


Figure 13. Control Panel – TQ-400, -800, and -1200 Series

OPERATION

POWER SAVE MODE WITH INDICATOR LIGHT

All TQ-400, -800, -1200 and -1800 series toasters have a built-in Power Save Mode with Indicator light feature. This feature allows the toaster to go into stand-by and reduces power to the heating elements by 50%. During the Power Save Mode the indicator light on the control panel will flash.

To activate press the POWER SAVE Mode button until the indicator light flashes. See Figure 13.

NOTE: To place toaster back into full operation push the Power Save button or turn any knob until the indicator light stops flashing and stays on. Allow a minimum of 2-3 minutes before toasting. Unit is back up to full power within 10 minutes.

COLORGUARD SYSTEM

All TQ-400, -800, -1200 and -1800 series toasters use a patented *ColorGuard Sensing System* that monitors and automatically adjust conveyor speed during high usage periods to assure toast color uniformity.

NOTE: The *ColorGuard Sensing System* is inoperable for approximately ten minutes after any heat adjustments are made.

WARNING

If the Warning light on the control panel is lit, appliance is malfunctioning. Turn OFF the power to the unit and allow to cool. Once cool, disconnect appliance from power supply and have unit serviced by a qualified technician.

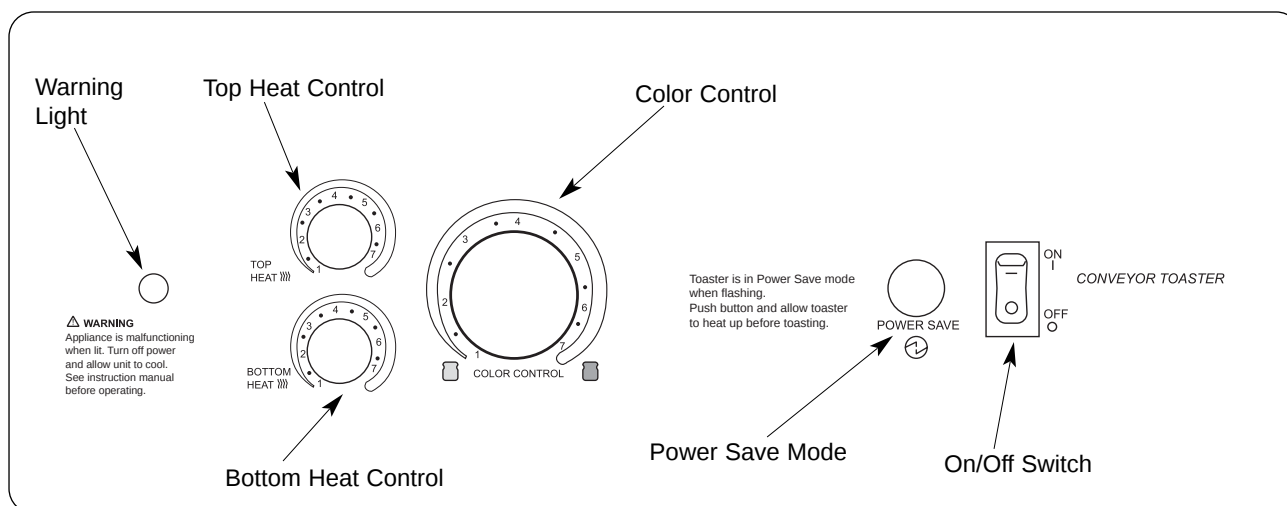


Figure 14. Control Panel – TQ-1800 Models

MAINTENANCE

GENERAL

The Hatco Toast-Qwik® Electric Conveyor Toasters are designed for maximum durability and performance, with minimum maintenance.

WARNING

To avoid any injury, turn the power switch OFF, unplug the unit from the power source and allow to cool before performing any maintenance.

WARNING

If the Warning light on the control panel is lit, appliance is malfunctioning. Turn OFF the power to the unit and allow to cool. Once cool, disconnect appliance from power supply and have unit serviced by a qualified technician.

CLEANING

Exterior

To preserve the bright finish of the unit, it is recommended that the exterior surfaces be wiped daily with a damp cloth. Stubborn stains may be removed with a good stainless steel cleaner or a non-abrasive cleaner. Hard to reach areas should be cleaned with a small brush and mild soap.

CAUTION

Use only non-abrasive cleaners. Abrasive cleaners could scratch the finish of your Toast-Qwik toaster marring its appearance and making it susceptible to soil accumulation.

Toast Crumb Tray & Toast Collector Pan

Remove from unit and wash with soap and water, then rinse.

Toast Feed Ramp

Press in the two wire spokes and remove ramp from unit. Wipe clean with a soft, damp cloth or soak the ramp in a mild solution of 1 cup ammonia and 1 gallon of water (227 milliliters and 3.785 liters). Re-install ramp by aligning wire spokes with holes in toaster.

Bottom Heating Reflector

The bottom heating element reflector has slots which allow bread crumbs to drop through to the crumb tray. Over an extended period of use bread crumbs may buildup on the reflector and not drop through onto the tray. To remove buildup, allow the toaster to cool and wipe the crumbs onto the crumb tray using a bristle brush.

LUBRICATION

The conveyor gear motor and conveyor system are permanently lubricated and require no lubrication.

WARNING

If service is required on this unit, contact your Authorized Hatco Service Agent, or contact the Hatco Service Department at 800-558-0607 or 414-671-6350; fax 800-690-2966 or International fax 414-671-3976.

WARNING

This product has no “user” serviceable parts. To avoid damage to the unit or injury to personnel, use only Authorized Hatco Service Agents and Genuine Hatco Parts when service is required.

WARNING

Genuine Hatco Replacement Parts are specified to operate safely in the environments in which they are used. Some aftermarket or generic replacement parts do not have the characteristics that will allow them to operate safely in Hatco equipment. It is essential to use Hatco Replacement Parts when repairing Hatco equipment. Failure to use Hatco Replacement Parts may subject operators of the equipment to hazardous electrical voltage, resulting in electrical shock or burn.

SECURITY COVER

The security cover flips up to limit access to the control panel and flips down for access to the control panel.

1. Remove the toast crumb tray.
2. Remove screws. See Figure 15.
3. Position security cover over control panel.
4. Attach security cover using screws removed in step 2.
5. Install the toast crumb tray.

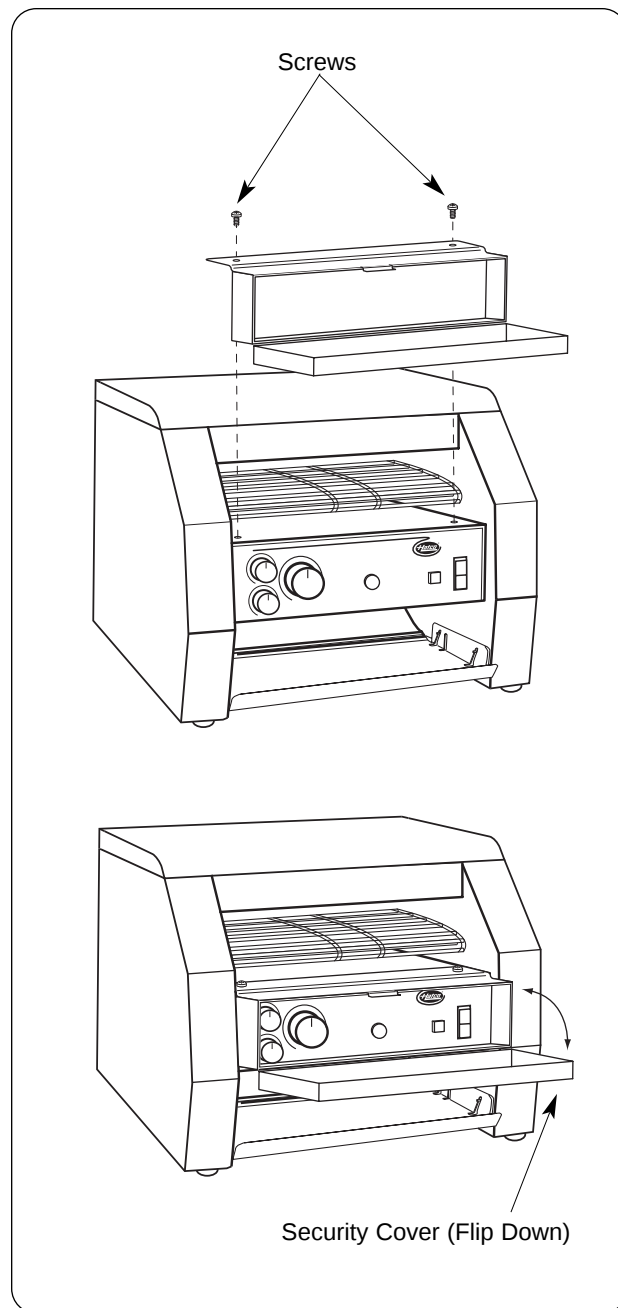


Figure 15. Security Cover

HATCO LIMITED WARRANTY

1. PRODUCT WARRANTY

Hatco warrants the products that it manufactures (the "Products") to be free from defects in materials and workmanship, under normal use and service, for a period of one (1) year from the date of purchase when installed and maintained in accordance with Hatco's written instructions or 18 months from the date of shipment from Hatco. Buyer must establish the product's purchase date by returning Hatco's Warranty Registration Card or by other means satisfactory to Hatco in its sole discretion.

Hatco warrants the following Product components to be free from defects in materials and workmanship from the date of purchase (subject to the foregoing conditions) for the period(s) of time and on the conditions listed below:

- a) **One (1) Year Parts and Labor PLUS One (1) Additional Year Parts-Only Warranty:**
Toaster Elements (metal sheathed)
Drawer Warmer Elements (metal sheathed)
Drawer Warmer Drawer Rollers and Slides
Food Warmer Elements (metal sheathed)
Display Warmer Elements (metal sheathed air heating)
Holding Cabinet Elements (metal sheathed air heating)
- b) **One (1) Year Parts and Labor PLUS Four (4) Years Parts-Only Warranty on pro-rated terms that Hatco will explain at Buyer's request:**
3CS and FR Tanks
- c) **One (1) Year Parts and Labor PLUS Nine (9) Years Parts-Only Warranty on:**
Electric Booster Heater Tanks
Gas Booster Heater Tanks

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT INFRINGEMENT. Without limiting the generality of the foregoing, SUCH WARRANTIES DO NOT COVER: Coated incandescent light bulbs, fluorescent lights, lamp warmer heat bulbs, glass components, Product failure in booster tank, fin tube heat exchanger, or other water heating equipment, caused by liming, sediment buildup, chemical attack or freezing, Product misuse, tampering or misapplication, improper installation or application of improper voltage.

2. LIMITATION OF REMEDIES AND DAMAGES

Hatco's liability and Buyer's exclusive remedy hereunder will be limited solely, at Hatco's option, to repair or replacement by a Hatco-authorized service agency (other than where Buyer is located outside of the United States, Canada, United Kingdom or Australia in which case Hatco's liability and Buyer's exclusive remedy hereunder will be limited solely to replacement of part under warranty) with respect to any claim made within the applicable warranty period referred to above. Hatco reserves the right to accept or reject any such claim in whole or in part. Hatco will not accept the return of any Product without prior written approval from Hatco, and all such approved returns shall be made at Buyer's sole expense. HATCO WILL NOT BE LIABLE, UNDER ANY CIRCUMSTANCES, FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, INCLUDING BUT NOT LIMITED TO LABOR COSTS OR LOST PROFITS RESULTING FROM THE USE OF OR INABILITY TO USE THE PRODUCTS OR FROM THE PRODUCTS BEING INCORPORATED IN OR BECOMING A COMPONENT OF ANY OTHER PRODUCT OR GOODS.

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