



MODEL

R2E-12BK-208

Conveyor Toasters

Electronic Controls

Conveyor Toasters Installation Instructions



These symbols are intended to alert the user to the presence of important operating and maintenance instructions in the manual accompanying the appliance.



Go to:
www.star-mfg.com/scripts/manuals.aspx
to obtain this units installation & operations manual, warranty & other documents.

NOTICE

Using any part other than genuine Holman factory supplied parts relieves the manufacturer of all liability.

Holman reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.

Due to periodic changes in designs, methods, procedures, policies and regulations, the specifications contained in this sheet are subject to change without notice. While Holman Manufacturing exercises good faith efforts to provide information that is accurate, we are not responsible for errors or omissions in information provided or conclusions reached as a result of using the specifications. By using the information provided, the user assumes all risks in connection with such use.



CAUTION GENERAL SAFETY INFORMATION

This equipment is designed and sold for commercial use only by personnel trained and experienced in its operation and is not sold for consumer use in and around the home nor for use directly by the general public in food service locations.

Before using your new equipment, read and understand all the instructions & labels associated with the unit prior to putting it into operation. Make sure all people associated with its use understand the units operation & safety before they use the unit.

All shipping containers should be checked for freight damage both visible and concealed. This unit has been tested and carefully packaged to insure delivery of your unit in perfect condition. If equipment is received in damaged condition, either apparent or concealed, a claim must be made with the delivering carrier.

Concealed damage or loss - if damage or loss is not apparent until after equipment is unpacked, a request for inspection of concealed damage must be made with carrier within 15 days. Be certain to retain all contents plus external and internal packaging materials for inspection. The carrier will make an inspection and will supply necessary claim forms.

GENERAL INSTALLATION INFORMATION

The unit was shipped fully assembled and ready to plug into a standard outlet specified for its voltage and amp draw. If improper electrical supply is determined, contact a qualified electrician prior to using the unit. Removal and replacement of the power cord and plug will void the warranty. For assistance, contact your local authorized service agent for service or required maintenance.

Level unit using the adjustable feet under the unit (approximately 1/2" adjustment).

Before using the unit for the first time, wipe down the exterior with a damp cloth.

Allow enough space around the toaster for adequate ventilation. Do not operate the unit without the crumb tray properly positioned. Overheating and poor toasting may occur. Read all labels on the unit and follow their instructions.

MAINTENANCE AND REPAIRS

Contact the factory, a service representative or a local service company for service or required maintenance. Go to www.star-mfg.com/scripts/manuals.aspx to find a service agent near you. Replacement cord sets must be purchased from Star Manufacturing International, Inc. or our authorized agents.

Should you need any assistance regarding the operation or maintenance of any Holman equipment; write, phone, fax or e-mail our service department. In all correspondence mention the model number and the serial number of your unit, along with the voltage.

Business Hours: 8 am to 4:30 p.m. Central Standard Time

Telephone: (877) 242-0270

Fax: (314) 781-2714

E-mail: Parts@star-mfg.com
Service@star-mfg.com
Warranty@star-mfg.com

Website: www.star-mfg.com

Mailing Address: Star International Holdings Inc., Company
10 Sunnen Drive
St. Louis, MO 63143
U.S.A.

ELECTRICAL CONNECTION

Before making any electrical connection to this unit, check that the power supply is adequate for the voltage, amperage and requirements stated on the rating plate. A wiring diagram is included in the Installation & Operations manual, which can be downloaded at www.star-mfg.com/scripts/manuals.aspx.

Disconnect the unit from the power source before installing or removing any parts.

Be absolutely sure that the ground connection for the receptacle is properly wired. Do not connect equipment to power without proper ground connections. Improper grounding may result in personal injury or fatality.

 **DO NOT CUT OR REMOVE THIS PLUG OR GROUNDING PRONG FROM THE PLUG.**

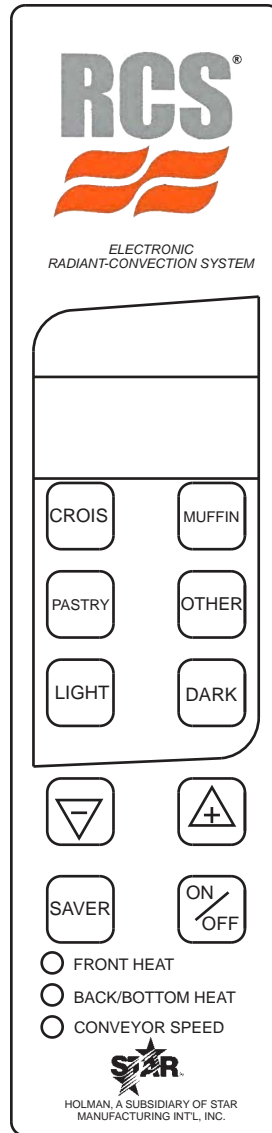
 **CONNECT/PLUG UNIT INTO DEDICATED A.C. LINE ONLY SPECIFIED ON THE DATA PLATE OF THE UNIT.**

 **CERTAIN SURFACES ARE EXTREMELY HOT DURING OPERATION AND CARE SHOULD BE TAKEN WHILE USING THIS UNIT.**

 **DO NOT IMMERSE OR LET THE UNIT STAND IN WATER.**

 **DO NOT HOSE DOWN THE UNIT OR THE TABLE/COUNTER IF THE UNIT IS ON THE TABLE/COUNTER.**

 **KEEP AWAY FROM RUNNING WATER.**



The Holman RCSe conveyor toaster comes with pre-programmed factory default settings for **CROISSANT, MUFFIN & PASTRY**.

Factory default settings are as follow:

R2E-12BK-208V DEFAULT SETTINGS			
Menu Buttons	Top Heat	Bottom Heat	Conveyor Speed
CROIS	8	8	45
MUFFIN			25
PASTRY			60
OTHER			80
LIGHT			+10%
DARK			-10%

**After 45 seconds unit will return to its programmed setting.*

POWER SAVER SWITCH

There are three Power Saver modes:

ON: Unit is in pre-programmed power saving setting.

OFF: Power Saver mode is turned off.

AUTO ON: Power Saver turns on when there has been no activity for a programmed length of time.

The operator may adjust the level of power reduction for the saver mode. *(Note: conveyor may move slowly when in saver mode.)*

Two buttons (+) and (-) are used when increasing or decreasing the value of each programmable setting.

A red LED light located at the lower portion of the control panel label will indicate if the value for top heat, bottom heat or conveyor speed is being adjusted.

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CERTAIN SURFACES ARE EXTREMELY HOT DURING OPERATION AND CARE SHOULD BE TAKEN WHILE USING THIS UNIT.

START UP

When the toaster has been plugged into a suitable outlet and power supply, the word **OFF** will be displayed on the L.E.D. read out.

- A. Press the *ON/OFF* button once to turn on the toaster. The toaster will now enter into pre-heat and "PREHT" will be displayed (the elements will begin to glow but the conveyor and fan motor will not turn on).
- B. After one minute, the fan motor will turn on and the conveyor will begin turning at the previously saved setting (for initial start up, the drive motor will operate at the factory default setting).
- C. After four minutes, the display will show the last used program selection i.e. (for initial startup, CROIS, MUFFIN, PASTRY, OTHER, will be the last program selected).

DAILY OPERATION

Check the power cord to insure that it is plugged into a proper outlet.

Press the *ON/OFF* button once to turn the toaster on. Press the button a second time to turn the toaster off.

NOTE: When the toaster is turned off, the fan and conveyor motors will continue to run for five minutes. The words **COOL** and **DOWN** will be alternately displayed during that time. After five minutes, the word **OFF** will be displayed until the *ON/OFF* button is pressed again.

Once the toaster has been pre-heated, the menu buttons can be pressed to change to **CROIS, MUFFIN, PASTRY, OTHER.**

OPERATING HINTS AND SAFETY

Disconnect power to the unit with the *ON/OFF* button at the end of each day of operation.

Do not leave the unit in operation without an attendant.

Do not leave the unit at high temperature when not in use or during idle periods. This will cause food particles and grease film to carbonize.

PROGRAMMING

A. CONVEYOR SPEED (temporary setting)

The conveyor speed is programmable with a range from 0 to 99 with 0 being the slowest and 99 being the fastest. Each menu item can have independent conveyor speed settings.

B. PROGRAMMING VALUES FOR MENU ITEMS

To make a program change to the top & bottom elements, or conveyor speed, you must first be in the menu item you want changed. Example: to change the programmed conveyor speed for croissants, the display must read **CROIS**. To change the programmed conveyor speed for MUFFIN, the display must read **MUFFIN** and so on for each menu item.

- 1) Select the menu item you want to change i.e. **CROIS, MUFFIN, PASTRY, OTHER.**
- 2) Press and hold both (+) AND (-) buttons for 3 seconds until the display goes blank, release the buttons and the display will show three characters for the menu item elected and the last two characters for the current value setting, i.e. **CROIS, MUFFIN, PASTRY, OTHER.** The red L.E.D. light for upper front element at the bottom of the label will flash.
- 3) Press the (+) or (-) buttons to increase or decrease the setting for the upper front element.
- 4) Press the button for the menu button again and the red L.E.D. for the upper rear and lower element will flash.
- 5) Press the (+) or (-) buttons to increase or decrease the setting for the upper rear and lower element.
- 6) Press the button for the menu button again and the red L.E.D. for the conveyor speed will flash.
- 7) Press the (+) or (-) buttons to increase or decrease the setting for the conveyor speed.
- 8) To skip one feature setting without making any changes, press the menu item button one time and the red L.E.D. light for the next item will now flash.
- 9) To change the POWER SAVER values press the SAVER button or to save your new setting(s), and exit the program mode press the menu button.
- 10) The last two characters in the display will show **MN** for minutes.
- 11) The first three characters will be numerical to represent the time setting.
- 12) When set to "OFF" the Saver button will be disabled during operation. The PowerSaver can be set to "OFF" or using the (+) or (-) set the time from 15 to 480 minutes.
- 13) Press the SAVER button to change the power reduction using the (+) or (-) buttons to increase or decrease the setting.
- 14) Press the POWER SAVER button to save changes and to exit.

CLEANING

Preventive maintenance for your Holman toaster consists of the following recommended cleaning procedures. To keep your toaster in its top operating condition, these steps should be performed on a daily or weekly basis as required.

Supplies

KAY® QSR Oven Cleaner

KAY® QSR Heavy Duty Multi-Purpose Sink Detergent
(dispensed use solution)

KAY® Sink Sanitizer (use solution prepared at the sink)

No Scratch Pad

Red Cloth

Daily Procedure:

1. Turn toaster off, conveyor will continue to run until cooled down (approx. 5-10 minutes)
2. Immediately spray the oven cleaner onto the No Scratch Pad and scrub the conveyor chain while it is still warm and moving.

NOTE: DO NOT SPRAY directly onto the conveyor belt or into the cooking chamber. Overspray onto the heating elements can damage or shorten the life of the elements.

3. Wash the No Scratch pad at the 3 compartment sink and then soak with Multi-Purpose Sink Detergent. Ring the pad out so that it is only damp and continue to scrub the conveyor belt while it's still moving.
4. Rinse the No Scratch pad at the 3 compartment sink to remove all detergent and then soak with clean warm water. Ring the pad out so that it is only damp and continue to scrub the conveyor belt while it still moving.
5. Wipe the conveyor belt with a clean red cloth dampened with sanitizer solution while it is still moving. Allow to air dry.
6. Rinse the No Scratch pad at the 3 compartment sink and then soak with clean warm water. Ring the pad out so that it is only damp and wipe exterior areas of the toaster.
7. Remove interior crumb tray and bottom catch tray and take to the three compartment sink. Spray the pieces with oven cleaner and allow to sit on the drain board for a minimum of five minutes.
8. Wash, Rinse and Sanitize removable pieces and allow to air dry before sliding the trays back into the unit.
9. Unit is now ready to turn ON for warm up and use.



DO NOT IMMERSE THE UNIT IN WATER OR LET THE UNIT STAND IN WATER.



DO NOT USE A NON-STICK SPRAY ON THE CONVEYOR BELT, IT WILL CAUSE A STICKY BUILD-UP AND INCREASE STICKING.



DO NOT HOSE DOWN THE UNIT OR THE TABLE/COUNTER IF THE UNIT IS ON THE TABLE/COUNTER.



KEEP AWAY FROM RUNNING WATER.

STAR INTERNATIONAL HOLDINGS INC. COMPANY
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St. Louis, MO 63143

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FAX: (314) 781-2714

Service Kit Instructions

CONVEYOR BELT REMOVAL PROCEDURES

For units without Master Links



1) Turn off unit and allow to cool.



2) WARNING - DISCONNECT UNIT FROM POWER SUPPLY OR TURN OFF AT WALL BREAKER BEFORE PROCEEDING TO NEXT STEP.

3) Remove unload tray by unscrewing the two thumb screws on either side of the exit tray. Lift the tray up and away from the oven. Remove the Load Up and Unload Trays. (Fig. 1)

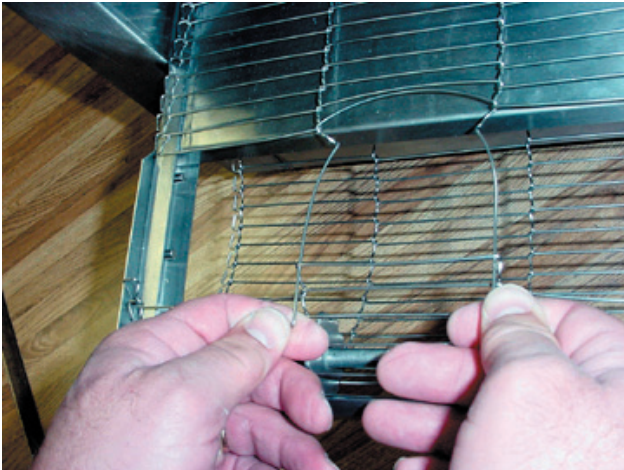
4) Remove Crumb Trays, Burn Guards & load-up trays.

5) Standing at the end on the unit, pick-up the conveyor belt and un-hook one end.

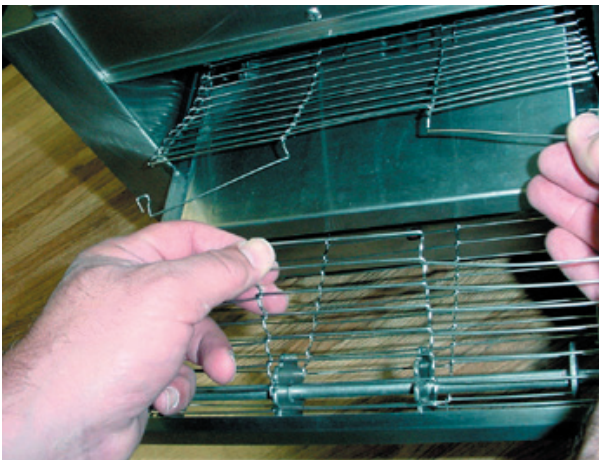




- 6) Trace that link down to the other end and unhook from the opposite side.



- 7) Using both hands, bring both ends together and push the link forward to disengage it from the belt.



- 8) Re-hook the loose ends back onto the previous link, to prevent the link from being damaged or bent.
- 9) Now that the link have been un-hooked, the Conveyor can now be carefully removed from the oven. Standing at the end of the oven. Starting with the end on bottom, roll the conveyor belt until it has been totally removed from the oven. Take careful notice being sure not to damage the heater tubes.

NOTE: DO NOT ATTEMPT TO CLEAN THE HEATER TUBES.



10) For heavy soiled Conveyor Belt, soak over night in hot soapy water.

11) Take this opportunity to clean and remove any loose materials the inside of the unit. Using a mild cleaner and damp cloth, carefully wipe the inside surfaces being sure **NOT** to clean the heater tubes. **Damage can occur to the HEATER tubes from improper cleaning.**

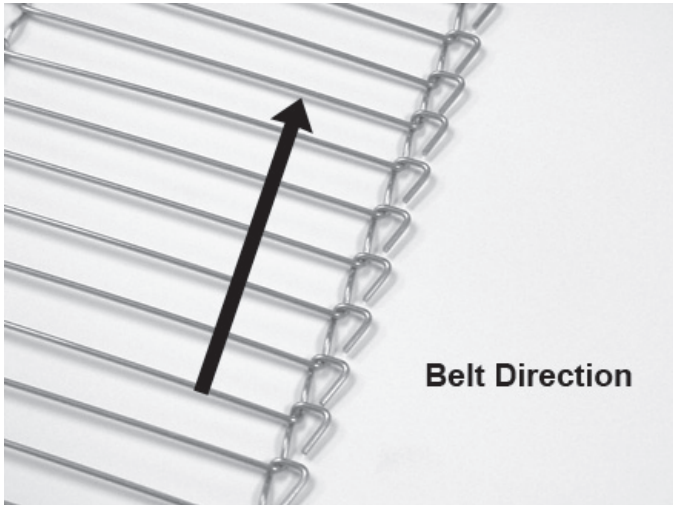


DO NOT SPRAY CLEANING SOLUTIONS INTO OVEN CAVITY.

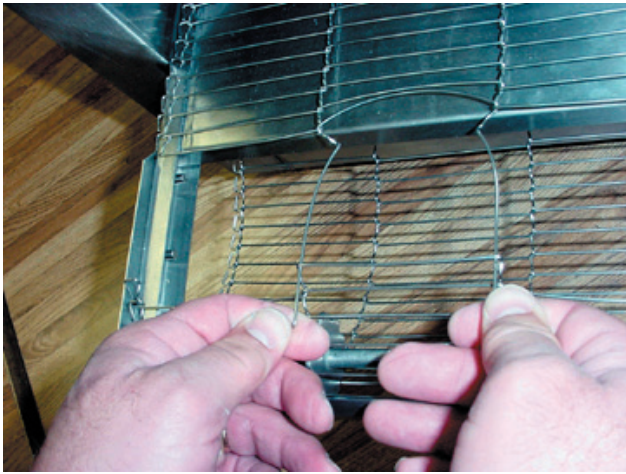
12) Reinstall Conveyor Belt by first laying the belt along bottom of oven cavity making sure the hooks on the sides of the belt will be facing the inside and the ends of the hooks will be pointing away from the direction of belt so not to catch on any internal components once put back into operation.

NOTE: THE DIRECTION OF THE BELT.

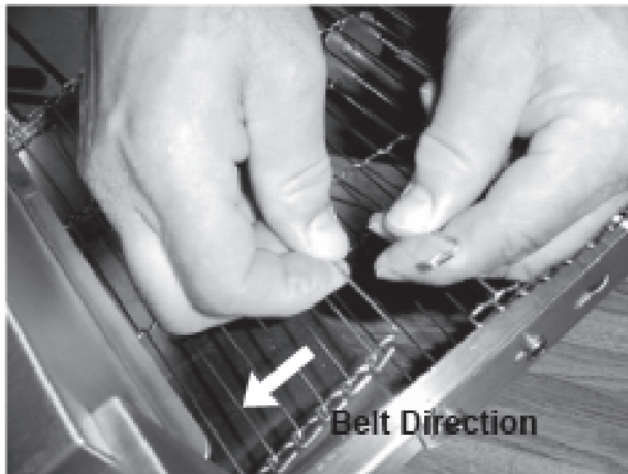
13) Next, pull one end of Conveyor Belt over the top of the sprockets, (being sure to line the links up properly with the sprockets) bringing the two ends together.



14) Un-hook both sides of the last link on the Conveyor.



- 15) Bring the two ends together and thread them through the middle section of the opposite end of the belt, using both hands.



- 16) Re-hook the two ends of the Conveyor, once again completing the Conveyor Belt system.
- 17) Examine the oven to assure proper installation, once satisfied, reinstall burn guard, crumb tray and load-up trays.
- 18) Reconnect oven to power supply and check for proper operation.

IF ASSISTANCE IS REQUIRED, CALL THE STAR SERVICE TEAM AT 1-800-807-9054

ATTENTION! READ BEFORE USING THE TOASTER

This toaster was shipped in its current state to meet your program deadline.
But there are changes to be made before starting to use it.

- A.** The crumb tray shipped with this unit is the wrong one. Using it will cause the croissants to get stuck and burn. **Remove the crumb tray and discard it.** A new crumb tray will be shipped to you in a few days.
- B.** The time and temperature for the food products is also wrong. You must reprogram the toaster using the instructions below



1. Plug in the toaster
2. Press the ON/OFF button

The display will read PREHT (pre-heat)

The toaster will start getting hot but the conveyor will not turn.

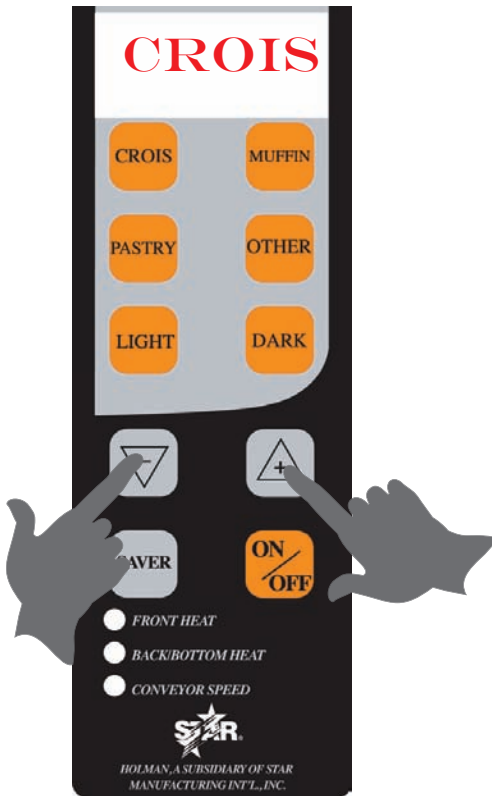
After approximately 1 minute the conveyor will start to move but the toaster will continue to pre-heat.

After approximately 3 minutes the display will change. It may read CROIS (croissant), MUFFIN (muffin), PSTRY (pastry), or OTHER whichever button was last pushed by the factory



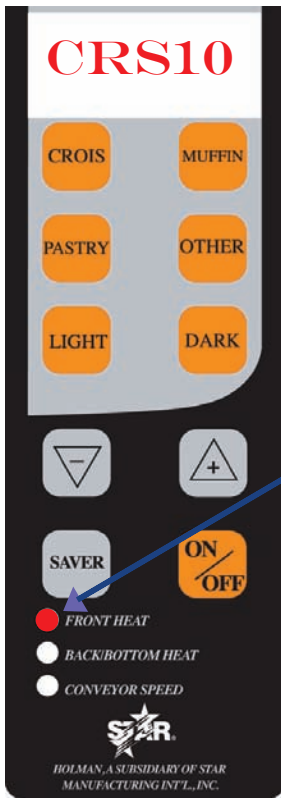


3. Press the CROIS (croissant) button. The display will read CROIS.

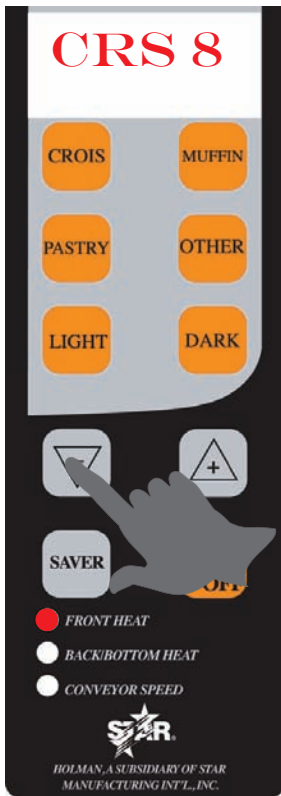


4. Press the UP and DOWN arrow buttons at the same time and hold for 3 seconds



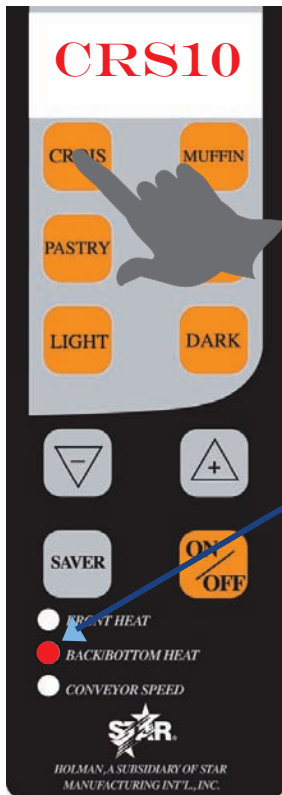


5. The display will read CRS10.
The FRONT HEAT indicator will light.



6. Press the DOWN arrow button twice to change the temperature to 8





7. Press the CROIS button. The display will read CRS10
The BACK/BOTTOM HEAT indicator will light

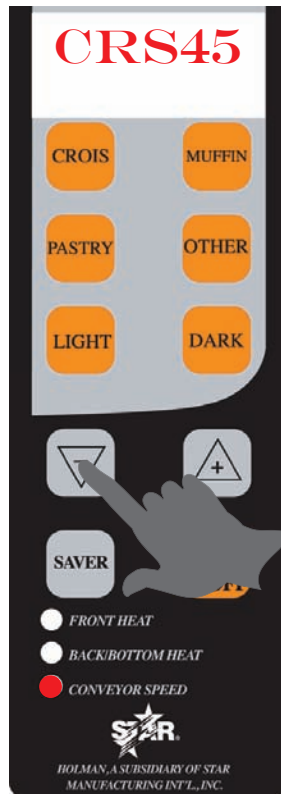


8. Press the DOWN arrow button twice to change the temperature to 8





9. Press the CROIS button. The display will read CROIS70
The CONVEYOR SPEED indicator will light



10. Press the DOWN arrow button until the display reads CRS45.





11. Press the CROIS button.

The display will read CROIS and the toaster is ready for use.

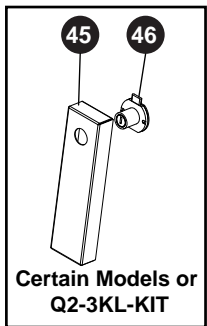
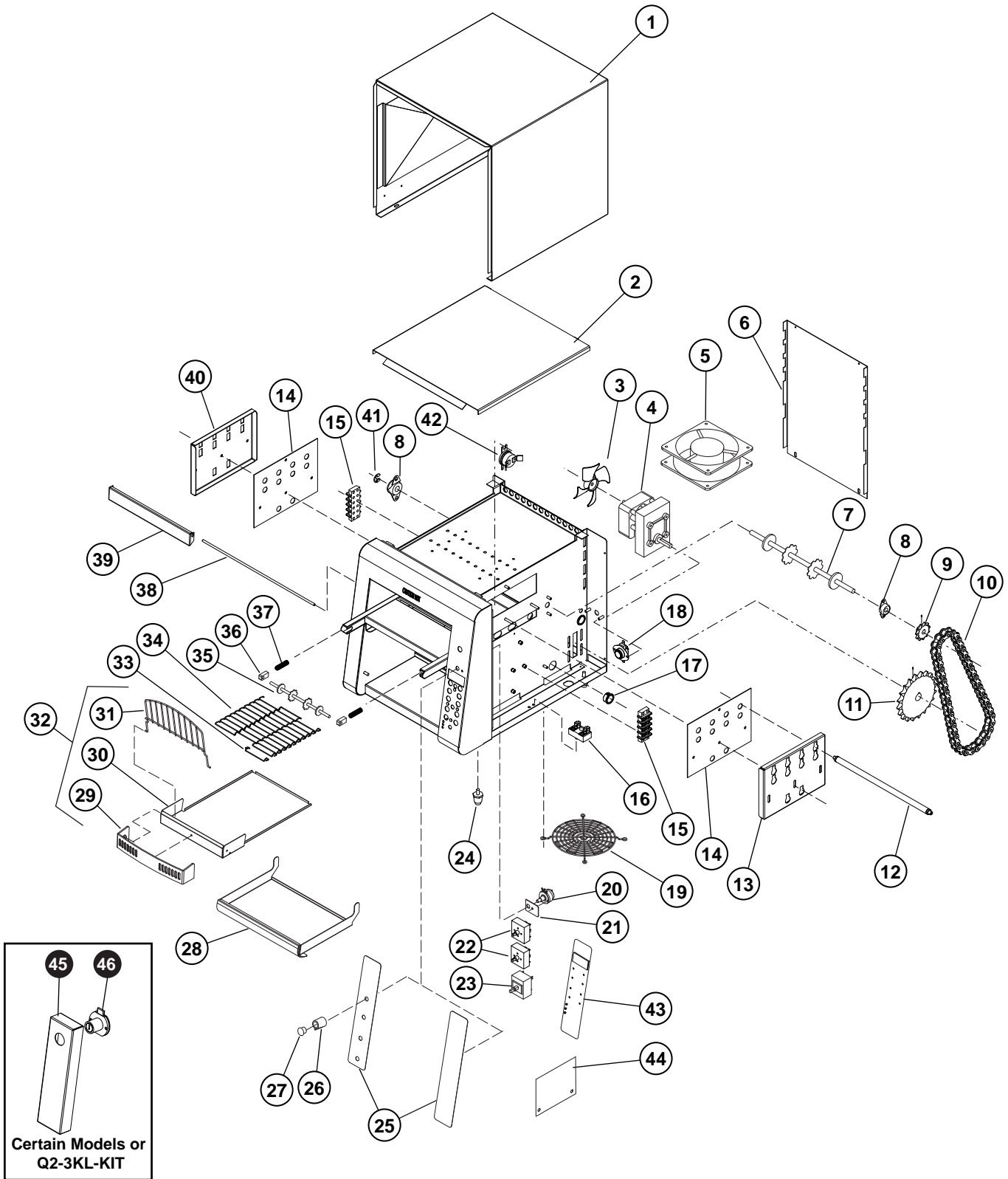
12. Start with step 3 again but substitute the CROIS button with the MUFFIN button. Change the settings to:

FRONT HEAT	8
BACK/BOTTOM HEAT	8
CONVEYOR SPEED	25

13. Start with step 3 again but substitute the CROIS button with the PASTRY button. Change the settings to:

FRONT HEAT	8
BACK/BOTTOM HEAT	8
CONVEYOR SPEED	45





SOME ITEMS ARE INCLUDED FOR ILLUSTRATIVE PURPOSES ONLY AND IN CERTAIN INSTANCES MAY NOT BE AVAILABLE

This drawing contains information confidential to Star Manufacturing International, Inc. No reproduction or disclosure of its contents is permitted.



Model
Q2/Q2E/RCS2/Q3/Q3E Conveyor Toaster

PARTS LIST

December 29, 2011, Rev. D

Models: Q2-500-120V, Q2E-500-120V, Q2-500-CUL20, Q2-600H-CE, Q2-600H-UK, Q2-600HF-208, Q2-600H-208/220/240V, Q2-600HS-208, Q2E-600H-208/240V, Q2-800-208/220/240V, Q2-800-240UK, Q2-800-230CE, Q2E-800-208/240V, Q2-1200B-208/240V, R2-12BSZ-208/240V, R2--1200-208/240V, R2-600HJ-208/240V, R2-800-208V **CONVEYOR TOASTERS**

Fig No	Part No.	Qty	Description	Application
1	HC-120258	1	ENCLOSURE ASSY - QCS-2	ALL
2	HB-120270	1	TOP BAFFLE ASSY QCS-2 LOW	Q2-800-208/220/240V, Q2-1200B-208/240V, R2-12BSZ-208/240V, R2-1200B-208/240V, R2-600HJ-208/240V, Q2-500-120V, Q2-500-CUL20, Q2E-500-120V, Q2E-500CUL20, Q2-800-240UK
	HB-120280		BAFFLE ASSEMBLY, HIGH	Q2-600H-208/220/240V , Q2E-600H-208/240V, Q2E-800-208/240V, Q2-600H-CE
3	2R-Z8879	1	2-5/8" DIA. FAN BLACK CW	OLDER MODEL MOTORS
4	HA-120243	1	MTR, ASSY QCS, 220/230/240	Q2-600H-CE, Q2-600H-UK, Q2-800-240UK, Q2-800-230CE
	HA-120240		MOTOR ASSY 120V	Q2-500-120V, Q2-500-CUL20, Q2E-500-120V, Q2E-500CUL20, R2E-500-120V
	HB-120262		MOTOR ASSY 208-240V	Q2-600H-208/220/240V, Q2-800-208/220/240V, Q2-1200B-208/240V, R2-12BSZ-208/240V, R2-1200B-208/240V, R2-600HJ-208/240V, Q2E-600H-208V, Q2-800-240UK, R2E-800-208V
5	2U-200559	1	FAN 120V	Q2E-500-120V, Q2E-500CUL20
	2U-200560		FAN 240V	Q2-600H-208/220/240V, Q2-800-208/220/240V, R2-600HJ-208/240V, Q2E-600H-208V, Q2E-800-208/240V, Q2-500-120V, Q2-500-CUL20, Q2E-500-120V, Q2-600H-CE, Q2-600H-UK, R2E-800-208V
	2U-200561		MOTOR, FAN240V 23BTM	Q2-1200B-208/240V, R2-12BSZ-208/240V, R2-1200B-208/240V, R2E-12BK-208/240
6	HC-Z10412	1	BACK PANEL QCS-2	ALL
7	2A-202900	1	SHAFT, T710 DRIVE	ALL
8	HA-112263	2	BEARING ASSY, PTFE/BRONZE	Q2-600H-208/220/240V, Q2-800-208/220/240V, R2-600HJ-208/240V, Q2E-600H-208V, Q2E-800-208/240V, Q2-500-120V, Q2-500-CUL20, Q2E-500-120V, Q2E-500CUL20, Q2-600H-CE, Q2-600H-UK, R2E-800-208V, Q2-1200B-208/240V, R2-12BSZ-208/240V, R2-1200B-208/240V, R2E-12BK-208/240
9	2P-Z8779	1	SPROCKET, 25P-11T .313 ID	ALL
10	2P-150013	1	DRIVE CHAIN #25	Q2-600H-208/220/240V, Q2-800-208/220/240V, R2-600HJ-208/240V, Q2E-600H-208V, Q2E-800-208/240V, Q2-500-120V, Q2-500-CUL20, Q2E-500-120V, Q2E-500CUL20, R2E-800-208V
	2P-150015		CHAIN DRIVE #25	Q2-1200B-208/240V, R2-12BSZ-208/240V, R2-1200B-208/240V, R2E-12BK-208/240
11	2P-200645	1	SPROCKET, 25B17 X 5/16"	Q2-600H-208/220/240V, Q2-800-208/220/240V, R2-600HJ-208/240V, Q2E-600H-208V, Q2E-800-208/240V, Q2-500-120V, Q2-500-CUL20, Q2E-500-120V, Q2E-500CUL20, Q2-600H-CE, Q2-600H-UK, R2E-800-208V
	2P-200648		SPROCKET, 25B32 X 5/16	Q2-1200B-208/240V, R2-12BSZ-208/240V, R2-1200B-208/240V, R2E-12BK-208/240

2M-Z10651, Holman Conveyor Toaster

**IMPORTANT: WHEN ORDERING, SPECIFY VOLTAGE OR TYPE GAS DESIRED
INCLUDE MODEL AND SERIAL NUMBER**

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Some items are included for illustrative purposes only and in certain instances may not be available.



PARTS LIST

December 29, 2011, Rev. D

Models: Q2-500-120V, Q2E-500-120V, Q2-500-CUL20, Q2-600H-CE, Q2-600H-UK, Q2-600HF-208, Q2-600H-208/220/240V, Q2-600HS-208, Q2E-600H-208/240V, Q2-800-208/220/240V, Q2-800-240UK, Q2-800-230CE, Q2E-800-208/240V, Q2-1200B-208/240V, R2-12BSZ-208/240V, R2--1200-208/240V, R2-600HJ-208/240V, R2-800-208V **CONVEYOR TOASTERS**

Fig No	Part No.	Qty	Description	Application	
12	2N-209100	4	ELEMENT, METAL 120V 430W	R2E-500-120V	
	2N-209112	2	ELEMENT, SERPENTINE, RCS	R2-12BSZ-240V, R2-1200B-240V, R2E-12BK-240	
	2N-209114		SERPENTINE ELEMENT RCS	R2-12BSZ-208V, R2-1200B-208V, R2E-12BK-208	
	2N-209194	4	ELEMENT METAL, 200W/120V	R2-12BSZ-240V, R2-1200B-240V, R2E-12BK-240	
	2N-209198		ELEMENT METAL, 200W/104V	R2-12BSZ-208V, R2-1200B-208V, R2E-12BK-208	
	2N-209199		METAL ELEMENT, 500W, 104V	R2-600HJ-208V	
	2N-209216	4	ELEMENT, METAL, 500W, 120V	R2-600HJ-240V	
	2N-209197		ELEMENT METAL, 700W/104V	R2-600H-208V, R2-800-208V, R2E-800-208V	
	HO-197842	6	HEATERTUBE, QUARTZ	Q2-600H-240V, Q2-800-240V, Q2E-600H-240V, Q2E-600H-240V, Q2-600H-UK, Q2-800-240UK	
	HD-198042		HEATERTUBE, QUARTZ	Q2-500-120V, Q2-500KL-120, Q2E-500-120V, Q2E-500CUL20	
	HG-198062		HEATERTUBE, QCS-2-1200B	Q2-1200B-208V	
	HG-198064		HEATERTUBE, QCS-2-1200B	Q2-1200B-240V	
	13	HO-197841	4	HEATERTUBE, QUARTZ	Q2-600H-208V, Q2-800-208V, Q2E-600H-208V, Q2E-600H-208V, Q2E-800-208V, Q2-500-120V, Q2-500-CUL20
		HO-197844		HEATERTUBE, QUARTZ	Q2-600H-220V, Q2-800-220V, Q2E-600H-220V, Q2-600H-CE
HC-Z10390		1	ELEMENT RETAINER, RIGHT QCS	Q2-600H-208/220/240V, Q2-800-208/220/240V, Q2E-600H-208V, Q2E-800-208/240V, R2-600H, R2-800	
HC-Z10440	ELEMENT RETAINER, RIGHT		Q2-1200B-208/240V		
HC-Z10443	HEATER TUBE RETAINER		R2-12BSZ-208/240V, R2-1200B-208/240V, R2E-12BK-208		
HC-Z11288	RETAINER, RCS ELEMENT		R2-600H, R2-600HJ R2-800, R2E-500, R2E-800		
14	HB-Z10857	2	ELEMENT GUIDE PLATE	Q2-500-120V, Q2-500-CUL20, Q2E-500-120V, Q2E-500CUL20	
	HC-Z10388		ELEMENT GUIDE PLATE	Q2-600H-208/220/240V, Q2-800-208/220/240V, Q2E-600H-208V, Q2E-800-208/240V, Q2-600H-CE, Q2-600H-UK, R2-800, R2E-800	
	HC-Z10439		ELEMENT GUIDE PLATE 1200	Q2-1200B-208/240V	
	HC-Z10442		ELEMENT GUIDE PLATE SERP	R2-12BSZ-208/240V, R2-1200B-208/240V, R2E-12BK-208	
15	2E-Z10406	3	TERMINAL BLOCK 4 POS.	R2E-800-208V	
		2		Q2E-300H-120, Q2E-500-120V, Q2E-500CUL20, Q2-600H-208/220/240V, Q2-800-208/220/240V, Q2-1200B-208/240V, R2-12BSZ-208/240V, R2-1200B-208/240V, Q2-500-120V, Q2-500-CUL20, Q2E-500-120V, Q2E-500CUL20, Q2-600H-CE, Q2-600H-UK, R2E-500-120V, R2E-12BK-208	
		1		Q2E-600H-208/240V, Q2E-800-208/240V	
16	2E-Z9736	1	TERMINAL BLOCK - POWER	Q2-600H-208/220/240V, Q2-800-208/220/240V, Q2-1200B-208/240V, R2-12BSZ-208/240V, R2-1200B-208/240V, R2-600HJ-208/240V, Q2E-600H-208V, Q2E-800-208/240, Q2-500-120V, Q2-600H-CE, Q2-600H-UK	
17	2K-200464	2	BUSHING WIRE RING 7/8"	Q2-600H-208/220/240V, Q2-800-208/220/240V, Q2E-600H-208V, Q2E-800-208/240V, Q2-500-120V, Q2-500-CUL20, Q2E-500-120V, Q2E-500CUL20, Q2-600H-CE, Q2-600H-UK	
		1		Q2-1200B-208/240V, R2-12BSZ-208/240V, R2-1200B-208/240V, R2-600HJ-208/240V	
18	2E-200566	1	SWITCH, RESET	ALL	
19	2R-200562	1	FAN GUARD	ALL	

2M-Z10651, Holman Conveyor Toaster

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PARTS LIST

December 29, 2011, Rev. D

Models: Q2-500-120V, Q2E-500-120V, Q2-500-CUL20, Q2-600H-CE, Q2-600H-UK, Q2-600HF-208, Q2-600H-208/220/240V, Q2-600HS-208, Q2E-600H-208/240V, Q2-800-208/220/240V, Q2-800-240UK, Q2-800-230CE, Q2E-800-208/240V, Q2-1200B-208/240V, R2-12BSZ-208/240V, R2--1200-208/240V, R2-600HJ-208/240V, R2-800-208V **CONVEYOR TOASTERS**

Fig No	Part No.	Qty	Description	Application
20	HA-120239	1	SPEED CONTROL ASSEMBLY	Q2-500-120V, Q2-500-CUL20
	HB-120259		SPEED CONTROL ASSY 250	Q2-1200B-208/240V, R2-12BSZ-208/240V, R2-1200B-208/240V
	HB-120261		SPEED CONTROL ASSY 500	Q2-600H-208/220/240V, Q2-800-208/220/240V, Q2-600H-CE, Q2-600H-UK, R2-600HJ-208/240V, R2-800-208V
21	2P-402728	1	POT, ANTI SPIN PLATE	ALL NON-ELECTRONIC
22	2J-200538	2	SWITCH, EGO 240V INFINITE	Q2-600H-208/220/240V, Q2-800-208/220/240V, Q2-1200B-208/240V, R2-12BSZ-208/240V, R2-1200B-208/240V, R2-600HJ-208/240V, Q2-500-120V,
	2J-200539		SWITCH, EGO 120V INFINITE	Q2-500-120V, Q2-500KL-120, Q2-500-CUL20
23	2E-200551	1	SWITCH ROTARY	Q2-600H-208/220/240V, Q2-800-208/220/240V, Q2-1200B-208/240V, R2-12BSZ-208/240V, R2-1200B-208/240V, R2-600HJ-208/240V, Q2-500-120V, Q2-500-CUL20
24	2R-200709	4	LEG 1" CHOME PLASTIC	Q2-600H-208/220/240V, Q2-800-208/220/240V, Q2-1200B-208/240V, R2-12BSZ-208/240V, R2-1200B-208/240V, R2-600HJ-208/240V, Q2E-600H-208V
25	2M-200864	1	LABEL, QCS-2 & 3 CONTROLS	Q2-600H-208/220/240V, Q2-800-208/220/240V, Q2-500-120V, Q2-500-CUL20, Q2-600H-CE, Q2-600H-UK
	2M-200894		LABEL, QCS-2&3 BAGEL CONT	Q2-1200B-208/240V
	2M-201810		LABEL, RCS-2&3 BAGEL CONT	R2-12BSZ-208/240V, R2-1200B-208/240V, R2-600HJ-208/240V, R2-800-208V
	2M-201813		LABEL, QCSE	Q2E-600H-208V, Q2E-500-120V, Q2E-500CUL20
	2M-Z13358		LABEL - CONTROL Q2E-600HW	Q2E-600HW
	2M-Z13864		LABEL - CONTROL PANEL R2E	R2E-500-120V, R2E-800-208V
	2M-Z14858		LABEL - CONTROL R2E-12BK	R2E-12BK-208/240
26	2R-200768	1	KNOB, CNTRL Q SERIES, SPEED	Q2-600H-208/220/240V, Q2-800-208/220/240V, Q2-500-120V, Q2-500-CUL20, Q2-600H-CE, Q2-600H-UK
	2R-200769	3	KNOB, POWERSAVER Q SERIES	Q2-600H-208/220/240V, Q2-800-208/220/240V, R2-600HJ-208V, Q2-500-120V, Q2-600H-CE, Q2-600H-UK
		1	KNOB, POWERSAVER Q SERIES	Q2-1200B-208/240V, R2-12BSZ-208/240V, R2-1200B-208/240V, R2-600HJ-208/240V
27	2R-200708	4	KNOB, CONTROL CAP	Q2-600H-208/220/240V, Q2-800-208/220/240V, R2-600HJ-208/240V, Q2-500-120V, Q2-500-CUL20, Q2-600H-CE, Q2-600H-UK
		2	KNOB, CONTROL CAP	R2-12BSZ-208/240V, R2-1200B-208/240V
28	HA-100560	1	TRAY, PULL OUT QCS, 10"	ALL
	HF-100562		SECURITY TRAY, PULL OUT	ALL SECURITY UNITS
29	2R-200787	1	QCS 1&2 CRUMB TRAY GUARD	ALL
30	HC-402457	1	CRUMB TRAY, QCS-2	ALL
	HF-100656		SECURITY CRUMB TRAY, QCS	Q2-600HS-208
	HB-120309		CRMB TRAY ASSY, Q2E-600HW	Q2E-600HW-208, 240
	HB-120311		CRUMB TRAY ASSY	R2E-12BK-208
31	2B-200763	1	LOADUP, 10 EURO, WIRE	ALL EXCEPT R2E-12BK
32	HF-101115	1	TRAY, CRUMB TRAY ASSY	CERTAIN MODELS
33	2B-Z10675	2	MASTERLINK 10" CONV	ALL
34	SP-160027	1	BELT, CONVEYOR 10"	ALL

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PARTS LIST

December 29, 2011, Rev. D

Models: Q2-500-120V, Q2E-500-120V, Q2-500-CUL20, Q2-600H-CE, Q2-600H-UK, Q2-600HF-208, Q2-600H-208/220/240V, Q2-600HS-208, Q2E-600H-208/240V, Q2-800-208/220/240V, Q2-800-240UK, Q2-800-230CE, Q2E-800-208/240V, Q2-1200B-208/240V, R2-12BSZ-208/240V, R2--1200-208/240V, R2-600HJ-208/240V, R2-800-208V **CONVEYOR TOASTERS**

Fig No	Part No.	Qty	Description	Application
35	2A-202904	1	SHAFT, 210HX IDLER	ALL
36	2P-200700	2	SPRNG LD BEARING TEFLON	ALL
37	2P-200736	2	2" INCH BEARING SPRING	ALL
38	HC-402134	1	NC10H SHUTTER ROD	Q2-600H-208/220/240V, R2-600HJ-208V/240V, Q2E-600H-208V
39	HC-402206	1	HEAT SHUTTER, SWINGING	Q2-600H-208/220/240V, R2-600HJ-208V/240V, Q2E-600H-208V
40	HC-Z10389	1	ELEMENT RETAINER, LEFT QCS	Q2-600H-208/220/240V, Q2-800-208/220/240V, Q2E-600H-208V, Q2E-800-208/240V, Q2-500-120V, Q2-500-CUL20, Q2E-500CUL20, Q2-600H-CE, R2-600H, R2-800
	HC-Z10441		ELMNT RETAINER, LEFT QCS	Q2-1200B-208/240V
41	2A-200284	1	E-CLIP 5/16"	ALL
42	2E-200574	1	SWITCH, FAN CERAMIC	Q2-1200B-208/240V, R2-12BSZ-208/240V, R2-1200B-208/240V
43	2U-200591	1	QCSE CONTROL BOARD	Q2E-600H-208/240V, Q2E-800-208/240V, Q2E-500-120V, R2-800-208V, R2E-500-120V
	2E-Z13360		CONTROL BOARD Q2E-600HW	Q2E-600HW
	2E-Z14864		CONTROL BOARD R2E-12BK	R2E-12BK-208/240
44	2U-200592	1	QCSE POWER BOARD	Q2E-600H-208/240V, Q2E-800-208/240V, Q2E-500-120V, R2E-12BK-208/240
	HD-Z13861	1	POWER BOARD 120V	R2E-500-120V
45	HF-402536	1	SECURITY LOCKING COVER	ALL SECURITY UNITS
46	2R-200752	1	KEYLOCKING SPEC KEYED	ALL SECURITY UNITS
	HA-Z11222	1	KEYLOCK - DRILLED	Q2-600HS-208
NI	2K-200463	1	BUSHING CORD HEYCO 1247	Q2-600H-208/220/240V, Q2-800-208/220/240V, R2-600HJ-208V
	2K-200465	1	BUSHING CORD HEYCO12/3 BL	Q2-1200B-208/240V, R2-12BSZ-208/240V, R2-1200B-208/240V
	2K-Y2968	1	BUSHING - HEYCO 7W-2	Q2E-600H-208/240V, Q2E-800-208/240V, Q2E-500-120V, R2-800-208V, R2E-500-120V, R2E-12BK-208
NI	2P-200267	1	WIRE BRUSH	R2-1200B-208V
NI	D9-GR0216	1	POWER CORD ASSY-UK	Q2-800-240UK
NI	2E-200375	1	CORD SET, 14/3 120V EZ10	R2E-500-120V
	2E-Z13364		CORD SET 14GA. 6-20P 80"	Q2E-600HW208, Q2E-600HW240
	HA-120241		CORD SET ASSEMBLY QCS-1	Q2-500-120V
	HA-120242		CORDSET ASSY QCS-1-CUL20	Q2-500-CUL20
	HB-120267		CORD SET R2-1200B	Q2-600H-220V, R2-1200B-208V, Q2-600H-CE
	HB-120268		CORD SET ASSY R2-12BSZ	R2-12BSZ-208/240V, R2-1200B-208/240V
	HB-120269		CORD ASSY 6-20P W/3 #10R	Q2-600H-208/240V, Q2-800-208/220V, Q2-1200B-208V, R2-600HJ-208/240V
	HB-120274		CORD ASSY 6-20 QCSE	Q2E-600H-208/240V, Q2E-800-208/240V
	HB-120279		CORD ASSEMBLY CEE7-7	Q2-800-230CE
	HD-140078		CORD SET, QCSE 2, 120V	Q2E-500CUL20
NI	HB-120312	1	CORD SET ASSY	R2E-12BK-208/240
NI	HG-402144	1	FAN SWITCH BRACKET	R2-12BSZ-208/240V, R2-1200B-208V

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STAR MANUFACTURING INTERNATIONAL INC.
#10 SUMNER DRIVE, ST. LOUIS, MO. 63143, USA

DR. MH CK. DATE 5-17-11

TOLERANCES UNLESS OTHERWISE NOTED
FRACTIONS ±1/64 DECIMALS ±.005 ANGLES ±1°

MATERIAL

LABEL STOCK: 60# WHT. PREMIUM

FINISH

SEMI GLOSS

MODEL NO.

R2E-12BK

PART NO.

2M-Z14866

TITLE

LABEL - W.D. R2E-12BK

REVISIONS

LTR

DATE

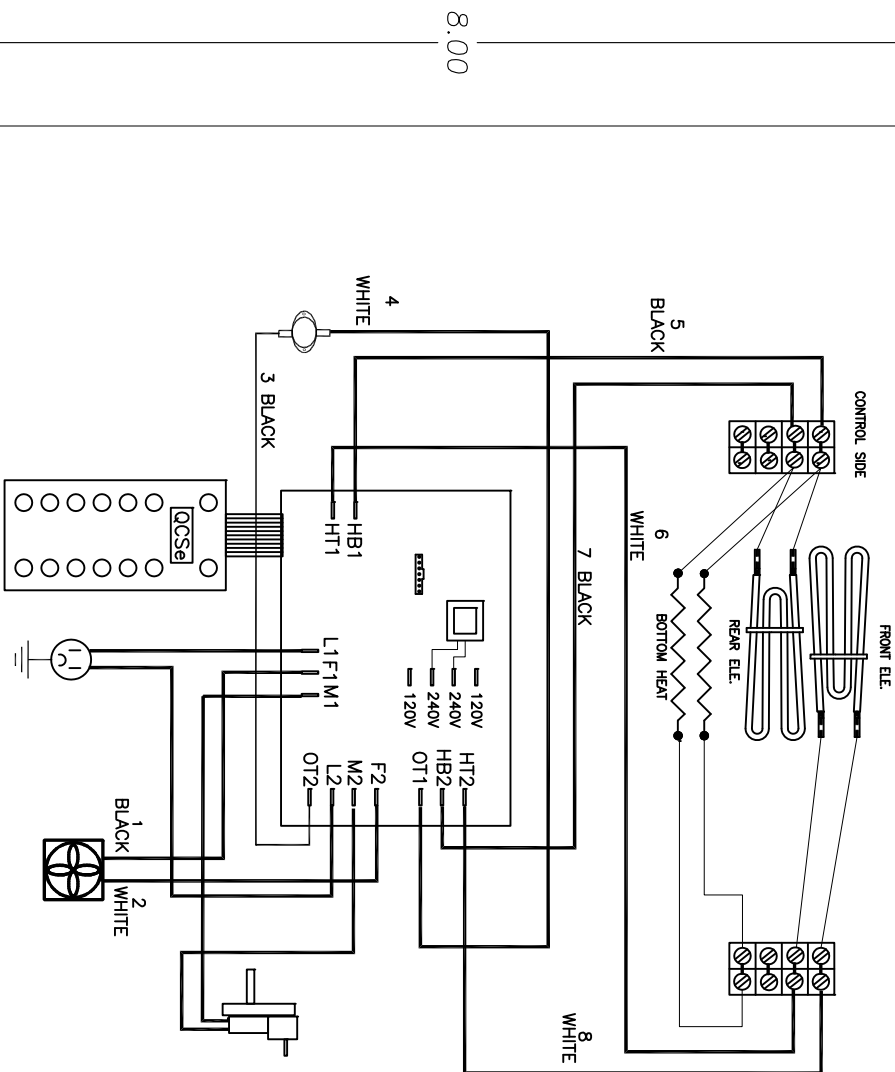
DESCRIPTION OF CHANGE

DR

THIS DRAWING CONTAINS INFORMATION CONFIDENTIAL TO STAR MFG. INT'L. INC.
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- NOTES:
1. LABEL STOCK: 60# WHITE PREMIUM SEMI GLOSS PAPER W/ HEAT SENSITIVE LAMINATE
 2. ACRYLIC PERMANENT ADHESIVE OR APPROVED EQUAL.
 3. BLACK TEXT AND LINES ON WHITE BACKGROUND.

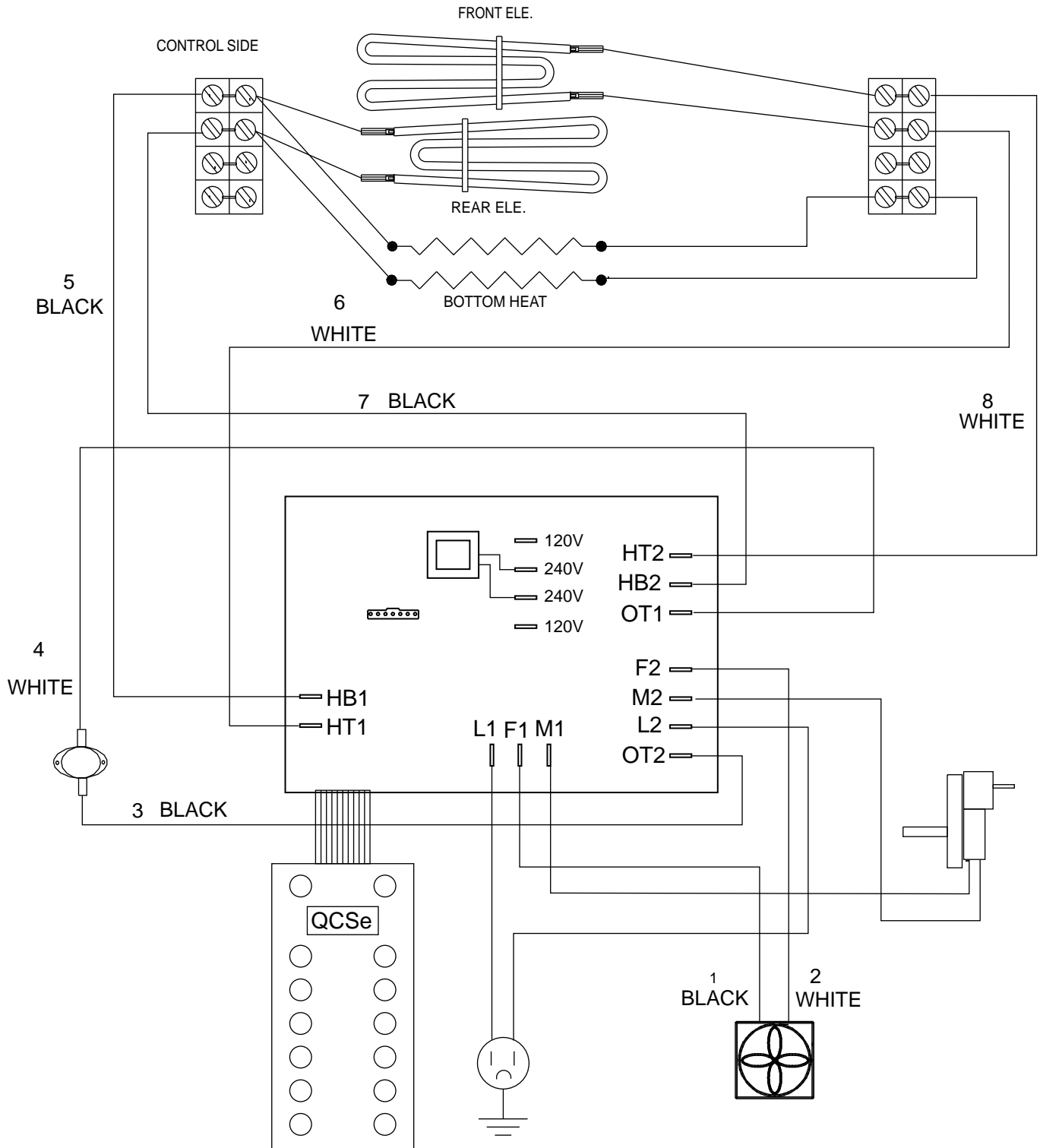
R2E-12BK WIRING DIAGRAM



8.00

5.00

W/D# 2M-Z14866
DATE CODE - 0511 REV-



SOME ITEMS ARE INCLUDED FOR ILLUSTRATIVE PURPOSES ONLY AND IN CERTAIN INSTANCES MAY NOT BE AVAILABLE

R2E-12BK WIRING DIAGRAM



SK2512

REV.- 5-18-11