

CONVEYOR TOASTERS
Models TC208M & TC240M



Place this chapter in the Toaster
 Section of your *Equipment Manual*

MANUFACTURED
 EXCLUSIVELY FOR
McDONALD'S®

By

Toastmaster®

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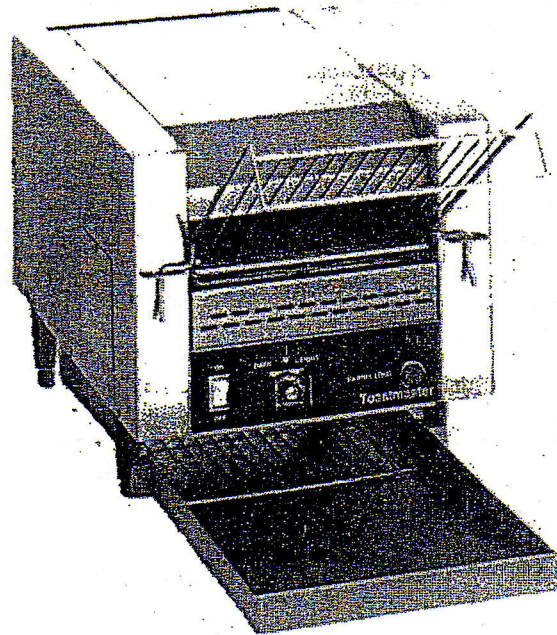


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McDONALD'S TOASTER LIMITED WARRANTY

All equipment manufactured by Toastmaster Commercial which is sold under the "Toastmaster" trademark and used for commercial purposes is warranted against defects in materials and workmanship. The warranty runs for one year (see exception*) from the date of original installation or 18 months from the original date of purchase, and is for the benefit of the original purchaser only. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR PURPOSE ARE EXCLUDED. Seller shall in no event be liable for direct, indirect or consequential damages in connection with Toastmaster Commercial products.

Seller's obligation under this warranty is limited to the repair of defects without charge, by a factory authorized service agency or one of its sub-service agencies. Such repair service will be provided on customer's premises except in the case of portable products.

Models that are considered portable (devices with cord and plugs except conveyor toasters) must be taken or shipped to the closest authorized service agency, transportation charges prepaid.

This warranty is not effective if damage occurs because of accident, carelessness, improper installation, lack of proper set-up supervision when required; or, because equipment is installed on a different voltage, steam or gas service then designated on the equipment nameplate; or, if the equipment is installed or operated in any manner contrary to the installation and operation instructions. In these cases, repairs will be made at a reasonable cost. Work performed by unauthorized personnel or service agencies voids this warranty.

Authorized service agencies are located in principal cities throughout the United States. This warranty is valid in the 50 United States and is void elsewhere. Please consult your classified telephone directory, your food service equipment distributor, or write the Factory Service Department, **Toastmaster®**, 1400 Toastmaster Drive, Elgin, Illinois 60120, for information and other details concerning service of this warranty.

*NOTE: Exceptions - Model SS2, Sink Sanitizer warranty runs 90 days.

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INTRODUCTION

The Models TC208M & TC240M toaster is a commercial conveyor toaster designed to uniformly toast English muffins in large quantities, using either batch or continuous feed methods. A partial load switch permits individual muffin toasting without changing batch settings.

The toaster is capable of producing up to 360 muffins per hour.

WARNING: The toaster should be grounded according to local electrical codes to prevent the possibility of electrical shock. It requires a grounded receptacle with separate electrical lines, protected by fuses or circuit breakers of the proper rating.

NOTE: Retain this manual for future reference. This manual provides detailed information for installation and operation of your Toaster. It also contains some information to assist the operator in diagnosing problems in the event of a malfunction. This manual is an important tool for the operator and should be kept readily available.

NOTE: Using any parts other than genuine Toastmaster factory supplied parts relieves the manufacturer of all liability.

NOTE: Toastmaster (Manufacturer) 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.

PRECAUTION: Hazard Communication Standard (HCS) --The procedure(s) in this chapter include the use of chemical products. These chemical products will be highlighted with bold face letters followed by the abbreviation (HCS). See the Hazard Communication Standard (HCS) Manual for the appropriate Material Safety Data Sheet(s) (MSDS).

NOTE: This piece of equipment is made in America and has American sizes of hardware. All hardware metric conversions are approximate and can vary in size.

WARNING: Inspection, testing and repair of electrical equipment should be performed only by qualified service personnel. The toaster should be unplugged when servicing, except when electrical tests are required.

SAFETY

WARNING: In case of fire de-energize toaster at disconnect switch. This will cut off power to the heating elements and allow the toaster to cool thus reducing the temperature and making it easier to stop the fire.

CAUTION: Use a fire extinguisher filled only with CO₂ or Halon which is suitable for electric powered equipment.

WARNING: Do not pick up the toaster by sticking fingers into toaster entrance and exit openings. Electrical shock and/or burns to the body can result.

CAUTION: For your safety do not store or use gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.

WARNING: Use extreme care during electrical circuit tests. Live circuits will be exposed.

TOASTER SPECIFICATION CHART		
	Model TC208M	Model TC240M
Overall Dimensions:		
Width	16-1/2" (419mm)	16-1/2" (419mm)
	X	X
Depth (Includes 2-1/4" Back Guard)	24" (610mm)	24" (610mm)
	X	X
Height (Includes 4" Legs)	16-1/4" (413mm)	16-1/4" (413mm)
Toasting Chamber Dimensions:		
Width	11-1/2" (292mm)	11-1/2" (292mm)
	X	X
Length	15" (381mm)	15" (381mm)
	X	X
Height of Opening	1-5/8" (41mm)	1-5/8" (41mm)
Approximate Net Weight	51 lbs (23 kg)	51 lbs (23 kg)
Approximate Shipping Weight	56 lbs (25 kg)	56 lbs (25 kg)
Construction	Formed & Welded Sheet Steel	
Finish	Stainless Steel	
Cord	6 ft. (1.86m)	6 ft. (1.86m)
Plug	NEMA 6-30P (208V)	NEMA 6-30P (240V)
Electrical	208V, 1 Ph, 50-60 Hz, 2 Pole, 3 Wire	240V, 1 Ph, 50-60 Hz, 2 Pole, 3 Wire
Total Wattage	3200 Watts	3600 Watts
Total Amperage	15.4 Amp	15.0 Amp
Main Panel Circuit Breaker	20 Amp	20 Amp
Pre-heat Time	20 Minutes	20 Minutes
Production Capacity	360 Muffins/Hour	360 Muffins/Hour

INSTALLATION

WARNING:

A. Inspect for Shipping Damage

All shipping containers should be examined for damage before and during unloading. This equipment was carefully inspected and packaged at the factory. The freight carrier has assumed responsibility for its safe transit and delivery. If equipment is received in damaged condition, either apparent or concealed, a claim must be made with the delivering carrier.

1. Apparent Damage or Loss - If damage or loss is apparent it must be noted on the freight bill or express receipt at the time of delivery, and it must be signed by the carrier's agent (driver). If this is not done, the carrier may refuse the claim. The carrier will supply the necessary claim forms.

2. 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. The carrier will make an inspection and will supply necessary claim forms. Be certain to retain all contents plus external and internal packaging materials for inspection.

B. Unpacking Toaster

1. Remove staples from carton.
2. Lift out foam packing and poly bag from around toaster.
3. Carefully lift toaster out of carton.
4. Remove all loose parts and the information packet from the carton. Be sure all loose parts are removed from the bottom of the carton.
5. Remove the toaster from the carton and remove any parts or packing materials from inside the toaster chamber. Check for any damage to the unit or the loose parts.
6. Install the 4" legs shown in Figure 1 and place conveyor toaster in desired location.
7. Install the return crumb tray by positioning the brackets on the side of the tray against the front legs of the toaster as shown in Figure 1.
8. Install the entry rack, slide-out crumb tray and exit rack as shown in Figure 1.

Before making any electrical connections be sure the main electrical supply source is turned "OFF"

C. Electrical Connection

The Model TC208M & TC240M toasters are factory equipped with cord and plug.

D. Checking the Installation

1. Turn main electrical supply source "ON".
2. Push Power ON/OFF Switch "ON". See Figure 1.
3. Check that conveyor is moving forward into toaster.
4. Visually check that all heating elements are heating and glowing red. See Figure 1.
5. Push PARTIAL LOAD Button. Check that conveyor speeds up for 20 +/-5 seconds and then returns to original speed.
6. Push Power ON/OFF Switch "OFF".
7. Visually check that all heating elements are no longer on.
8. Check that conveyor has stopped.

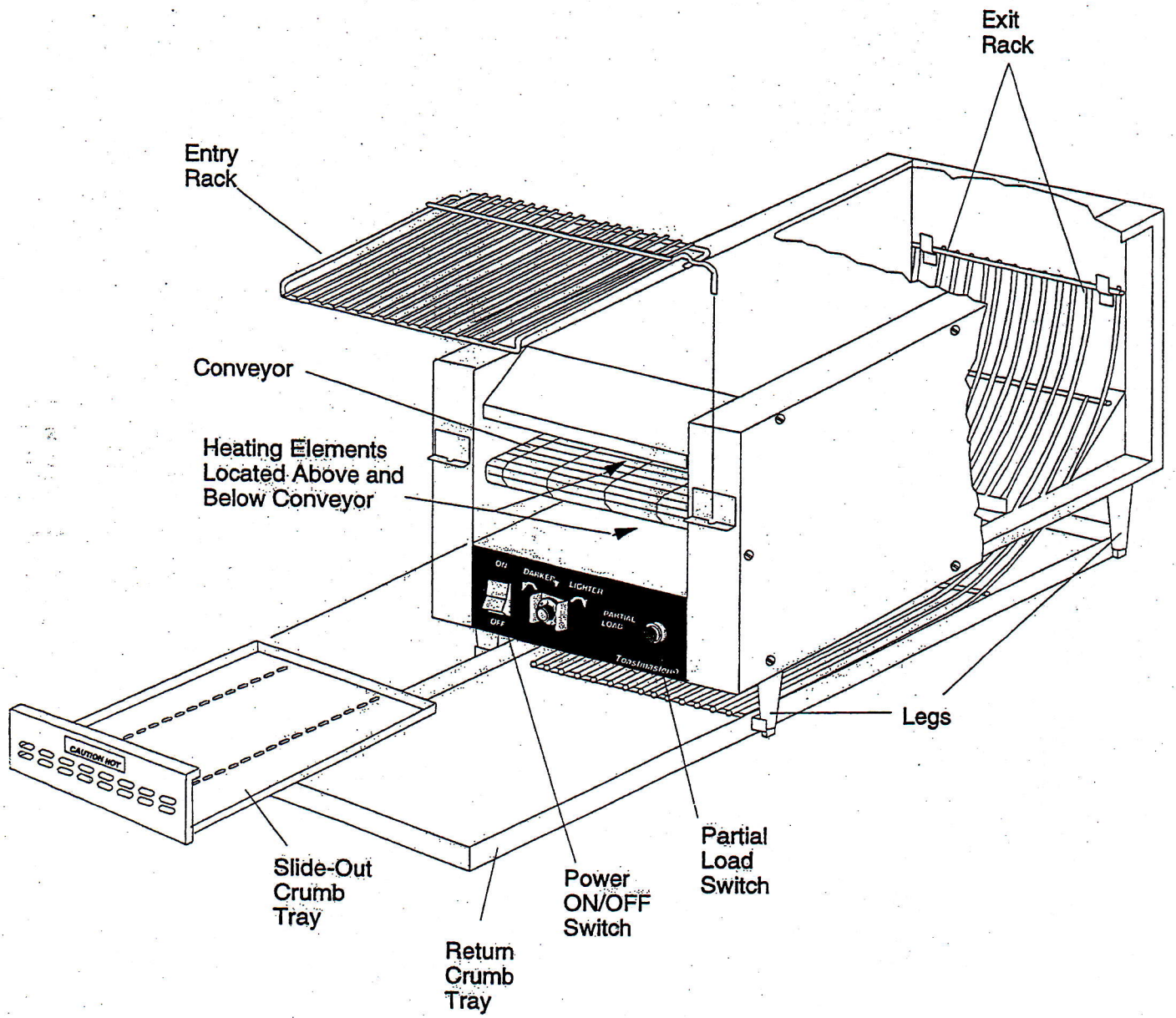


Figure 1

PARTS IDENTIFICATION AND FUNCTION

ITEM	PART NO.	DESCRIPTION	QTY	FUNCTION
1	7610842	TOP PANEL WELDMENT	1	Encloses top of toaster
2	7008168	SIDE PANEL	2	Encloses side components
3	30051	PANEL, TOP HEATER SUPPORT	1	Attaches to sidewall to support top heater
4	7008170	BOTTOM PANEL	1	Encloses electrical components
5	27470-0004	FAN GRILL	1	Protection from fan blades
6	7007044	BELTING	1	Belt which conveys items through toaster
7	3101215	BELT LINKS	3	Links which make up the conveyor belt
8	30067	FRONT ROLLER WELDMENT	1	Front shaft of conveyor
9	7610849	BEARINGS, FRONT ASSEMBLY	2	Bearing and spring assembly
10	7008178	BEARINGS, FRONT	2	Accepts either end of front conveyor shaft
11	3103262	SPRINGS	2	Apply pressure to conveyor
12	30063	REAR ROLLER WELDMENT	1	Rear shaft of conveyor
13	7006963	BEARING, REAR LEFT	1	Accepts left end of rear conveyor shaft
14	7006964	BEARING, REAR RIGHT	1	Accepts right end of rear conveyor shaft
15	7007045	SPROCKETS	2	Engage with both ends of chain to drive conveyor
16	7007605	CHAIN	1	Drives conveyor
17	3101212	MASTER LINK	1	Chain link used to disassemble chain
18	30247	RACK, ELEMENT GUARD	1	Protects elements
19	30050	TOP HEATING ELEMENT ASSEMBLY 208V	1	Toasts top of item
19	30100	TOP HEATING ELEMENT ASSEMBLY 240V	1	Toasts top of item
20	31582	TOP HEATING ELEMENT 208V	3	Toasting element
20	31583	TOP HEATING ELEMENT 240V	3	Toasting element
21	30340	BUS BAR	3	Connects elements electrically
22	3102634	STRIP, MICA REAR	3	Insulation between heating elements and metal parts
23	2001327	NUT KEPS 6-32	9	Attaches elements
24	7008183	ELEMENT SUPPORT BRACKET	3	Supports and attaches heating elements
25	2000023	SCREW, 6-32 X 1/4, SLT HEX	4	Attaches elements
26	7008175	PANEL, TOP HEATER SUPPORT	1	Attaches to sidewall to support top heater
27	30209	BOTTOM HEATER SUPPORT, RIGHT	1	Attaches to right sidewall to support bottom heater
28	30054	BOTTOM HEATER SUPPORT, LEFT	1	Attaches to left sidewall to support bottom heater
29	31585	BOTTOM HEATING ELEMENT 208V	1	Element toasts bottom of item
29	31587	BOTTOM HEATING ELEMENT 240V	1	Element toasts bottom of item
30	3B20A8801	SCREW WASH HEX HD 8-32 X 3/8"	26	Used to attach parts
31	30519	THERMAL SNAP DISC	1	Turns toaster off when overheated
32	30697	TRANSFORMER	1	Converts from 208 or 240V to 120V for control circuit
33	3002757	MOTOR 52223	1	Drives the conveyor
34	3002808	SPEED CONTROLLER	1	Controls speed of conveyor
35	30076	SPEED CONTROLLER KNOB	1	Turns speed controller to a set speed
36	30069	SPEED CONTROLLER GUARD	1	Knob guard
37	3003828	ON/OFF SWITCH	1	Completes circuit to components
38	27392-0002	FAN	1	Cools air in bottom compartment
39	27159-0003	CORD SET, COOLING FAN	1	Connects fan with terminal block
40	21226-0007	SCREW FAN MOUNTING	4	Used to mount fan
41	3001226	FUSE	1	Shuts off current to motor if current draw is too high
42	30640	PLUG/CORD PIN & SLEEVE-Used in U.S.A.	1	Toaster cord & pin plug
42	31974	PLUG/CORD TWIST LOCK-Used in U.S.A.	1	Toaster cord & twist lock plug
42	30641	PLUG/CORD PIN & SLEEVE-Non/U.S.A & Germany	1	Toaster cord & pin plug
42	31973	PLUG/CORD TWIST LOCK-Non/U.S.A & Germany	1	Toaster cord & twist lock plug
42	30640	PLUG/CORD PIN & SLEEVE-Used in Germany	1	Toaster cord & pin plug
43	2001371	NUT, KEPS 10-32	4	Attaches top heater support panel
44	30075	PUSHBUTTON SWITCH w/LIGHT-GREEN	1	Momentary switch pushed for partial loads
45	30074	TIME DELAY RELAY	1	Activated by momentary switch to speed up conveyor
46	30073	SOCKET, OCTAL RELAY	1	Mount for time delay relay
47	30118	RELAY ACCESS DOOR	1	Access for adjusting relay
48	27011-0017	TERMINAL BLOCK	1	Connects incoming power
49	7008180	ENTRY RACK	1	Loads items onto conveyor
50	7609868	EXIT RACK	1	Delivers items to return crumb tray beneath toaster
51	30077	RETURN CRUMB TRAY	1	Receives items from conveyor and catches crumbs
52	7610845	SLIDE IN CRUMB TRAY	1	Catches crumbs from items inside toaster
53	1523B8301	LEGS, 4" BLACK PLASTIC	4	Adjustable legs used to support the toaster
54	3100558	CAP LEG NON SKID	4	Non skid cap on leg
55	30861	LABEL	1	Caution label
56	321049	LABEL, CAUTION HOT	1	Caution label
57	31616	PANEL REAR	1	Maintains space between toaster and wall
58	30122	INSIDE PANEL	1	Dissipates heat between toaster and rear panel
59	B301A8855	SCREW	16	Attaches side panel
Not shown	7005957	NAMEPLATE	1	Toastmaster logo
Not shown	3101254	INSULATION CLIPS	4	Used to hold insulation in place
Not shown	30864	WIRE HARNESS	1	Provides connection between electrical components
Not shown	30696	CONVEYOR TOASTER MANUAL	1	Toaster operation and maintenance

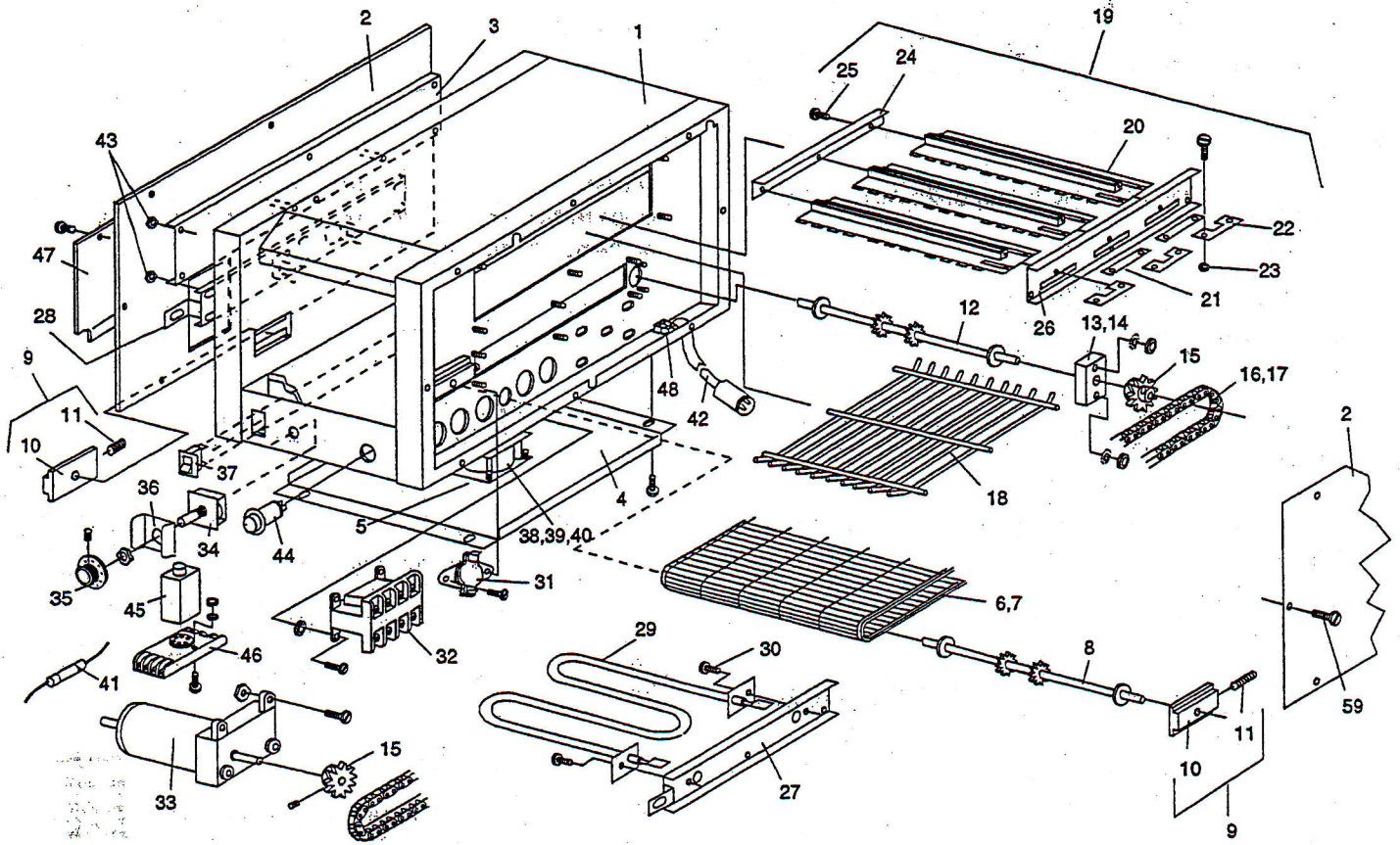


Figure 2

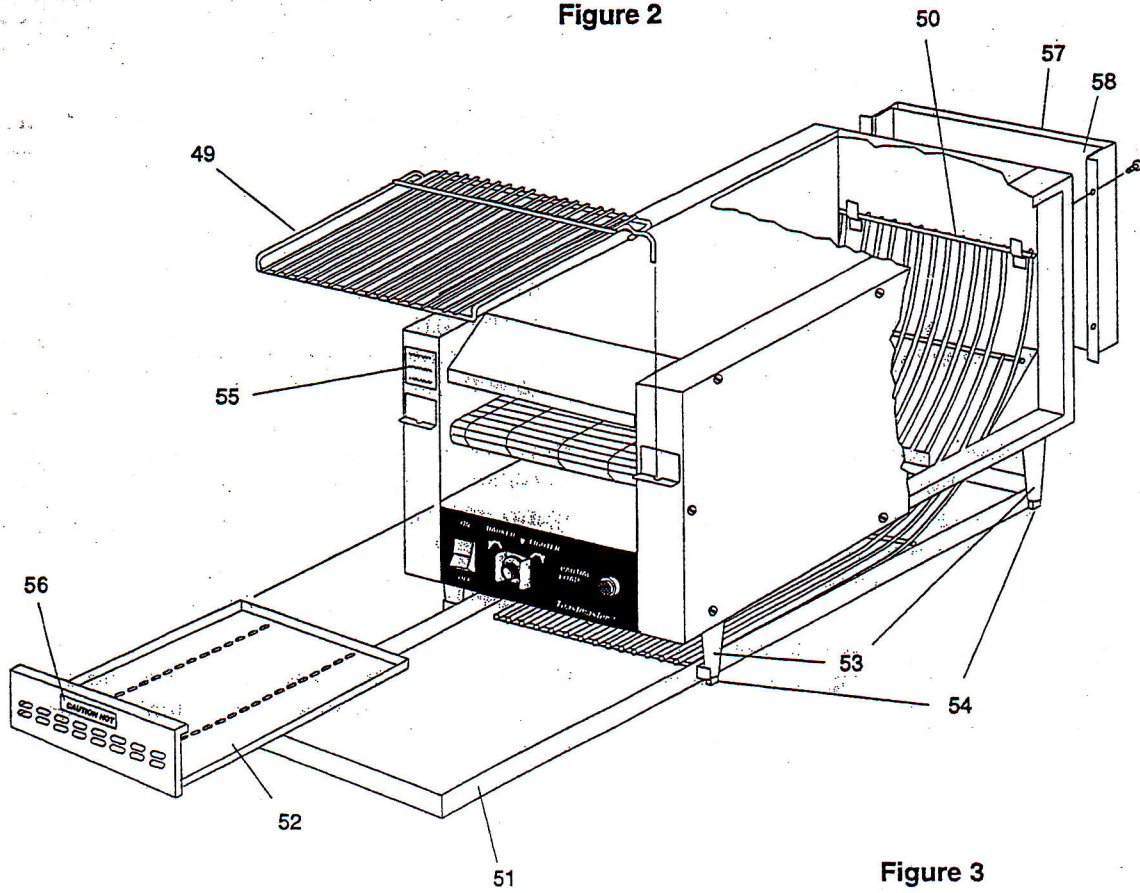


Figure 3

EQUIPMENT SET-UP AND CLOSE PROCEDURES

Set-Up:

1. Insert the power cord into a proper 20 Amp. electrical receptacle.
2. Install the return crumb tray by positioning the brackets on the side of the tray against the front legs of the toaster as shown in Figure 4.
3. Install the entry rack, slide-out crumb tray and exit rack as shown in Figure 4.
4. Turn toaster on by pushing Power ON/OFF Switch ON.
5. Allow 20 minutes for warm up.
6. Adjust DARKER/LIGHTER Knob to approximately "5" for toasting a normal batch of 7 to 12 muffin halves.
7. Loading muffins into toaster:
NOTE: Muffins are placed in toaster cut side up.
Batch Loading-
For batch loading stage muffins on bun spatula and then place muffins on entry rack with rack in lowered position. Raise entry rack to feed muffins onto conveyor.
Continuous Loading-
For partial batch loading stage muffins directly on entry rack with rack in raised position.
8. Press the PARTIAL LOAD Button for a batch of 6 muffin halves or less and the conveyor will speed up. It will reset to normal speed automatically when the partial load has been toasted.

WARNING: Always disconnect electrical power or unplug toaster before cleaning or performing any service.

9. Clearing Jams: Use **extreme caution** when removing a product jam. It is always better to wait for toaster to cool, if time permits, before removing jammed product. Unplug toaster before clearing a jam. **CAUTION:** When clearing jams use caution to not damage elements.

WARNING: DO NOT stick anything into the toasting chamber as you may damage the heating elements and cause electrical shock.

Close:

WARNING: Always disconnect electrical power or unplug toaster and allow to cool before cleaning or performing any service.

1. With the conveyor running brush any crumbs off the conveyor and onto the crumb pan below.
2. Turn off the toaster and disconnect electrical power or unplug toaster. Then allow toaster to cool.
3. Clean the toaster exterior by wiping with a clean, sanitized towel dampened with a hot solution of **McD All Purpose Concentrate (APC) (HCS)** as drawn from the sink proportioner. Rinse by wiping with a clean, damp sanitized towel. **DO NOT** use abrasive pads of scouring cleansers. They will scratch and dull the finish.
4. Crumb trays and racks:

WARNING: Hot Surfaces - DO NOT TOUCH HOT SURFACES OR REACH INTO TOASTER WHEN IT IS HOT.

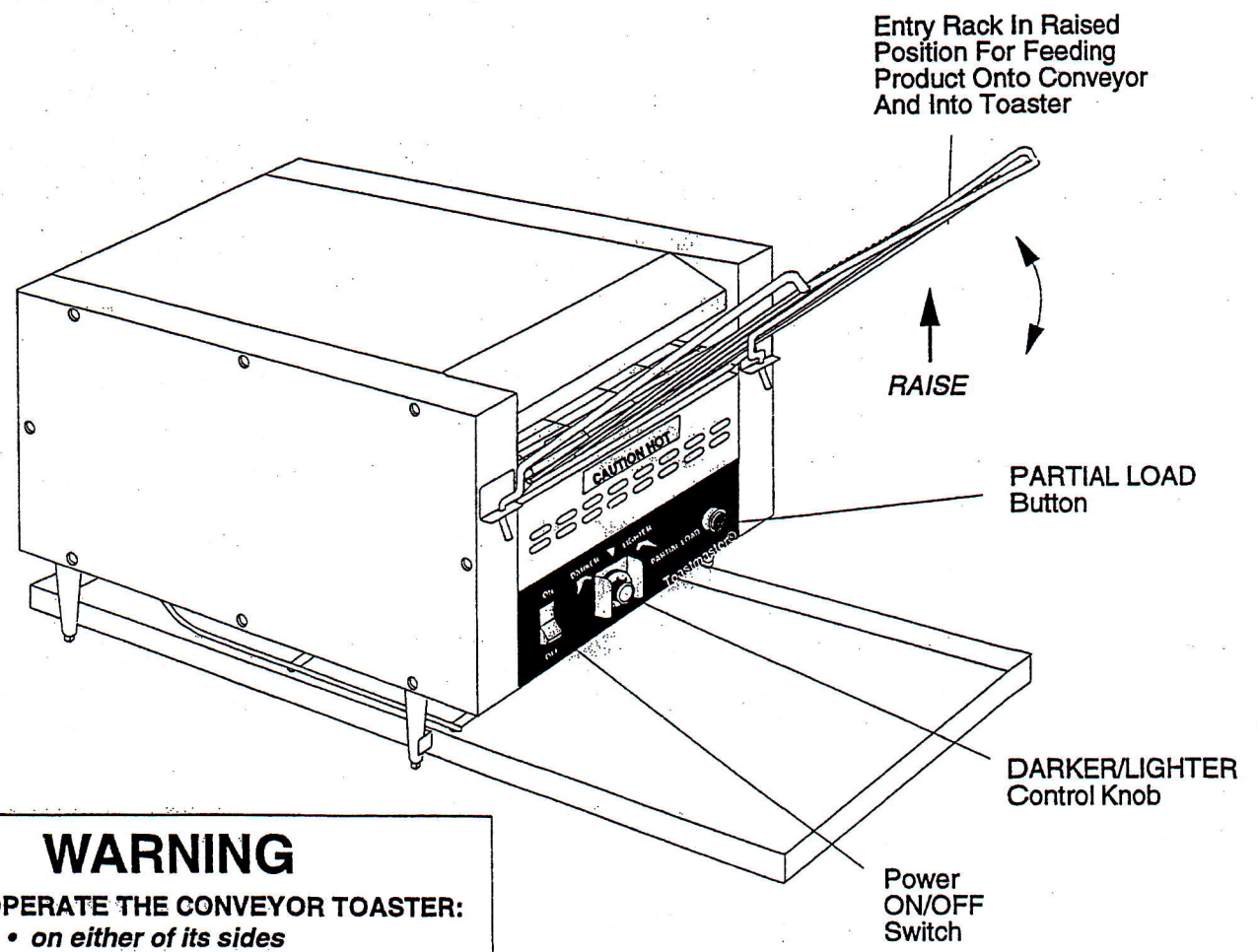
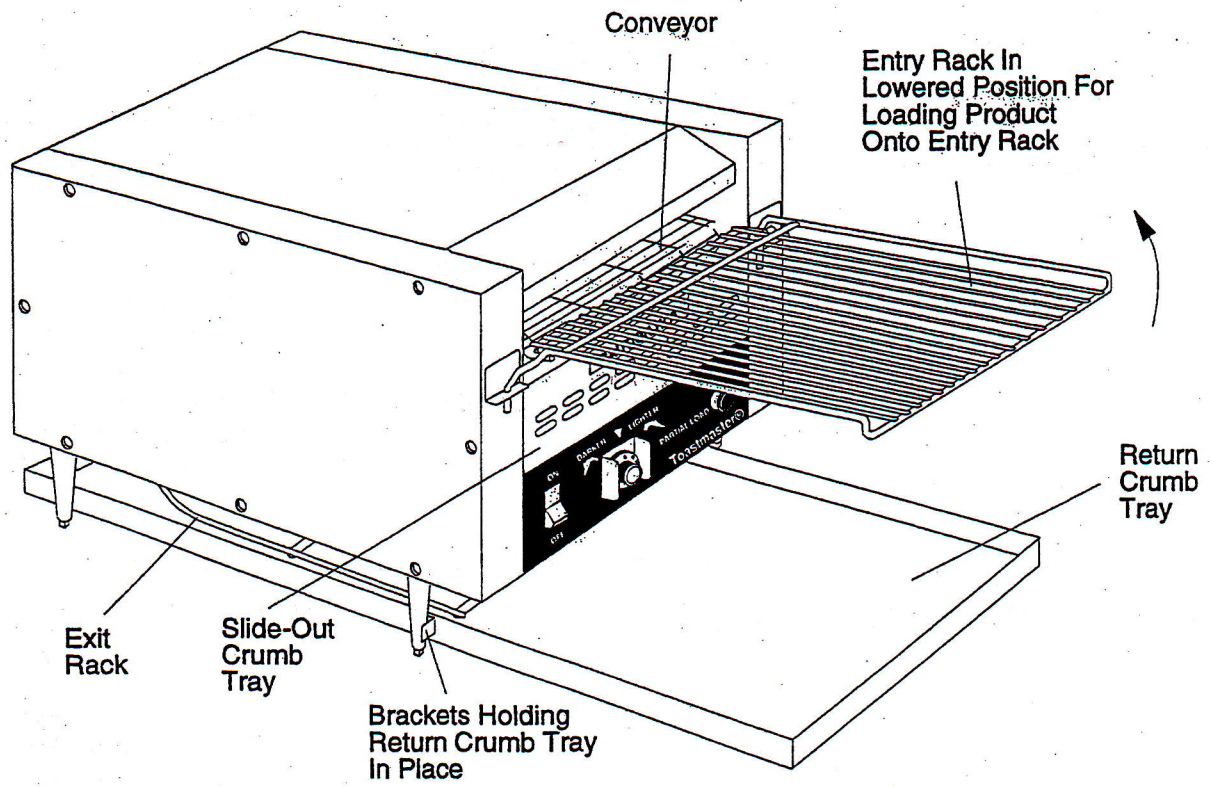
After the toaster has cooled, remove the slide-out crumb tray and the return crumb tray by sliding them out of the toaster.

CAUTION: Do not remove slide-out crumb tray while conveyor is moving.

Remove the entry rack and exit rack from toaster.

5. Wash the slide -out crumb tray, return crumb tray and racks in a hot solution of **McD All Purpose Concentrate (APC) (HCS)**. Remove any gold discoloration from the front of the slide-out crumb tray by scrubbing with a **McD No Scratch Pad**.
Rinse well and sanitize by immersing in McD Sink Sanitizer solution (HCS) (1 pak in 10 gallons of warm water). Remove parts from sanitizer solution and allow to air dry.
6. Reassemble all parts onto oven.

CAUTION: DO NOT use excessive water or submerge toaster in water. Electrical problems will occur.



WARNING

DO NOT OPERATE THE CONVEYOR TOASTER:

- on either of its sides
- on its rear surface
- without legs

Premature failure of the heater elements will occur and the toaster warranty will be void.

Figure 4

TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	CORRECTIVE ACTION
Product toasted too dark or too light.	<p>DARKER/LIGHTER control knob not set correctly.</p> <p>Partial Load button not being pressed when 6 or less items are being toasted.</p> <p>Using refrigerated or frozen muffins.</p> <p>Time Delay Relay not set correctly.</p>	<p>Set knob for correct darkness.</p> <p>Press Partial Load button when sliding loads of 6 or less items onto conveyor.</p> <p>Muffins must be at room temperature before toasting. Allow a 2 day old rotation when using fresh muffins.</p> <p>Call service agency.</p>
Toaster overheats and shuts down.	<p>Cooling fan dirty.</p> <p>Cooling fan unplugged.</p> <p>Cooling fan defective.</p> <p>Thermostat switch overheats and opens.</p>	<p>Clean the fan. Follow procedure on Planned Maintenance Card 1.</p> <p>Turn ON/OFF switch and main power switch off, remove bottom cover and check that plug on fan is plugged in. Refer to Wiring diagram.</p> <p>Call service agency.</p> <p>Call service agency.</p>
Toaster will not heat up.	<p>Toaster not plugged in.</p> <p>Main power switch turned off.</p> <p>Defective ON/OFF switch.</p> <p>Defective receptacle, power cord or plug.</p> <p>Thermostat switch is open.</p> <p>Wire(s) loose.</p>	<p>Plug in toaster.</p> <p>Turn main power switch on.</p> <p>Replace switch.</p> <p>Plug into different receptacle. Replace plug or power cord.</p> <p>Call service agency.</p> <p>Call service agency.</p>
Toaster will heat up but conveyor does not move.	<p>Foreign object blocking conveyor.</p> <p>Drive Motor fuse is blown.</p> <p>Wire(s) loose.</p>	<p>Turn ON/OFF switch and main power switch off and remove object from conveyor.</p> <p>Turn toaster off and call service agency.</p> <p>Call service agency.</p>

TROUBLESHOOTING Continued

PROBLEM	PROBABLE CAUSE	CORRECTIVE ACTION
Noticeable burning smell.	Toasted item stuck in toaster.	Turn ON/OFF switch and main power switch off and remove item from toaster.
	Too many accumulated crumbs in slide-out crumb tray.	Turn toaster off and let it cool and then remove and clean slide-out crumb tray. Refer to Page 10.
Items feed into machine but are not delivered to front of return crumb tray.	Exit rack not installed in machine.	Install exit rack. Refer to Page 5.
	Item(s) stuck on exit rack.	Turn ON/OFF switch off and remove item(s).

ORDERING/SERVICE INFORMATION

Ordering Parts

Use only genuine Toastmaster (manufacturer) replacement parts in your toaster. Use of parts other than those supplied by manufacturer voids the warranty and U.L. status.

Your authorized service agency has a parts price list and will be glad to inform you of the cost of your parts order.

Locate your desired part in the exploded parts drawing and then find the item and part number of the part in the parts list.

List the following ordering information:

NOTE: Model # and Serial # are found on the data plate, refer to Figure 5.

Model #: TC208M or TC240M

Manufacturer: Toastmaster

Serial #: _____

Item No (from parts list): _____

Part No (from parts list): _____

Description: _____

Order the required parts from your local authorized service agency.

Delivery Date of Toaster: _____

Local Service Agency:
Name _____

Number & Street _____

City, State, Zip _____

Phone Number _____

Service

If technical help is needed contact your local authorized service agency. Please have the following information ready when you call:

NOTE: Model # and Serial # are found on the data plate, refer to Figure 5.

Manufacturer: Toastmaster

Model #: TC208M or TC240M

Serial # _____

Problem with toaster and symptoms: _____

Return Policy

An RGA number (Return Goods Authorization) must be obtained from Toastmaster before returning a product. Shipping charges must be prepaid by buyer. Returned goods are subject to Toastmasters inspection and acceptance.



Data Plate Located At Rear Of Toaster

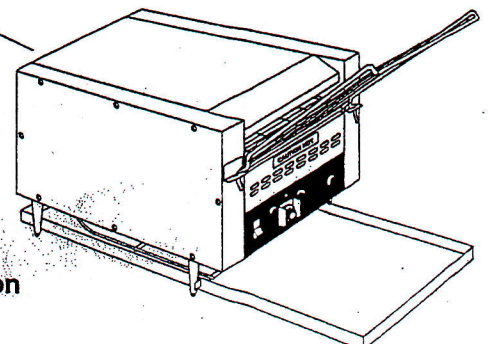


Figure 5
Data Plate Location

NON-SCHEDULED MAINTENANCE

This section provides information for replacement of various parts and components as necessary. Before replacement of any parts refer to the Troubleshooting Section for assistance in determining the cause of the problem and to verify that replacement is required. If necessary contact your local authorized service agency for assistance.

CAUTION: Before performing any maintenance:

1. Turn toaster ON/OFF switch OFF.
2. Turn main power switch off.
3. Unplug toaster from receptacle.
4. Allow toaster to cool.

Tools Necessary: Flat blade screwdriver, Phillips screwdriver, Set of Allen wrenches, Needle nose pliers, Regular pliers, Set of sockets with handle

A. Top Heating Elements Replacement

1. Remove the toaster right side cover by removing the 6 screws.
2. Remove the 6 nuts from the right side top heater support panel.
3. Slide the heater assembly part way out and then disconnect the 2 wires from the heater terminals by removing the 2 screws and nuts. Refer to Figure 6.
4. Remove the heater assembly from the toaster and then remove the bus bar(s) and the mica strip from the heater to be replaced. Refer to Figure 7.
5. Remove the 2 screws attaching the heater to the heater supports.
6. Replace the heater with the new one and reassemble parts in the reverse order they were removed. Be sure to connect wires to heater terminals before sliding heater assembly all the way into toaster. Refer to Figure 7 to be sure heater assembly and element guard are mounted on studs and inserted into holes.

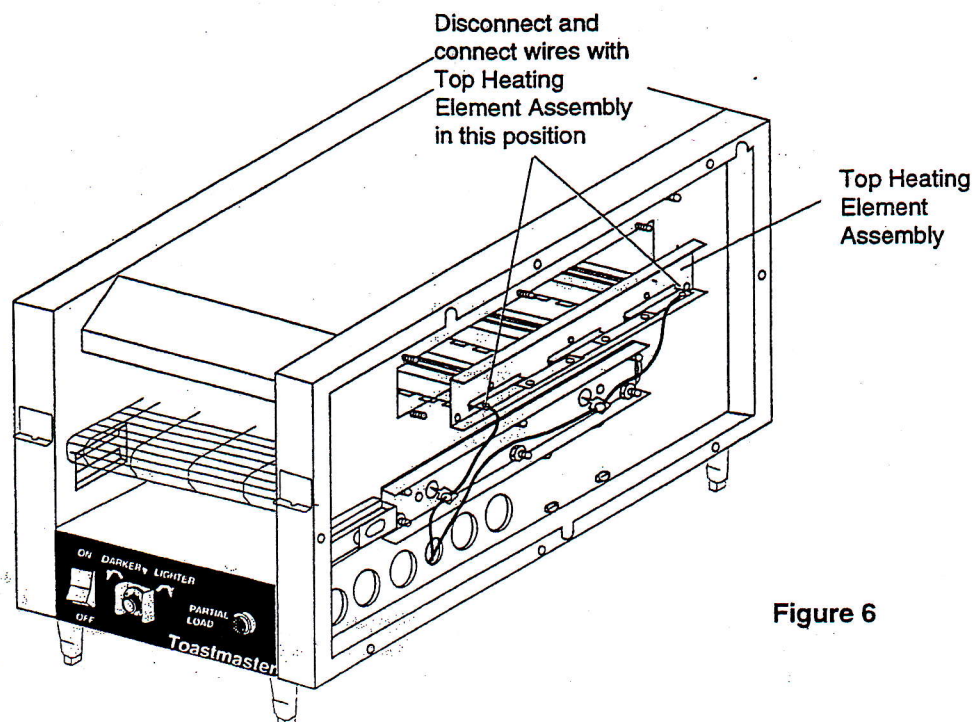


Figure 6

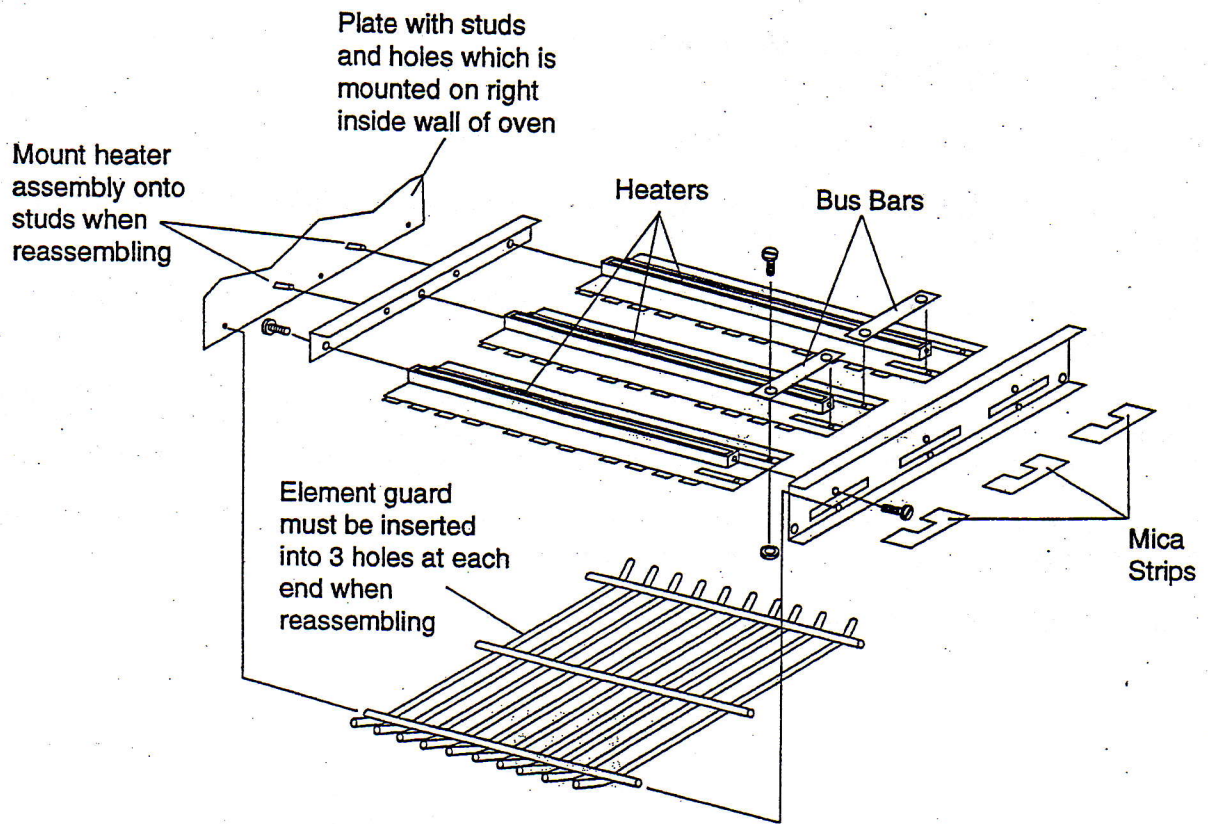


Figure 7

B. Bottom Heating Elements Replacement

1. Remove the toaster right side cover by removing the 6 screws.
2. Loosen 4 motor mounting screws and move motor/shaft to the right and then remove the drive chain from the motor sprocket.
3. Remove the 6 nuts from the right side bottom heater support panel and the 2 screws to remove the wires from the heater terminals. Refer to Figure 8.

WARNING: Be careful not to bend or damage the heater terminals.

4. Remove heater assembly from toaster. It may be necessary to use a screwdriver to pry slightly at each end of heater support bracket. Do not damage or bend the heater support panel.
5. Replace bottom heater element by removing 2 screws attaching it to heater support panel and attaching new heater element.
6. Reassemble parts in the reverse order they were removed. Be sure to insert heater element into the 2 bracket openings on the left side of toaster when sliding the heating element into the toaster. Refer to Figure 8. Also position heater support against spring at end of shaft bearing when reassembling heater assembly into toaster.
7. Reassemble drive chain onto motor sprocket and then push the motor to the left to place tension on the chain. The drive chain must be tight. Tighten the 4 motor mounting screws.
8. Connect wires to new heating element.

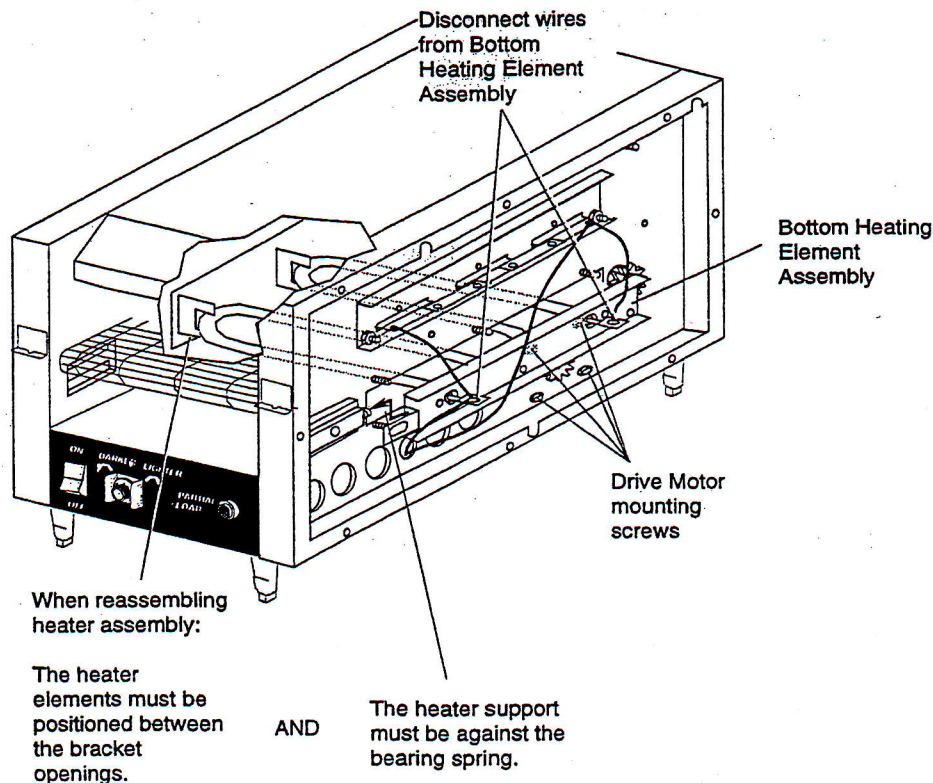


Figure 8

C. Conveyor Belt Replacement:

1. Remove the right and left side covers by removing the 6 screws on each side. On right side of toaster use a screwdriver to push the bearing as shown. With the hole in the bearing lined up with the slot in the retaining plate, push the conveyor shaft thru the slot. See Figure 9.
2. To remove all tension on the conveyor belt push the conveyor shaft as far as possible toward the right side until the left end of conveyor shaft is free of the left side bearing. See Figure 9.
3. Turn the conveyor belt so the master links are at the front of the toaster. See Figure 9.
4. Using long nose pliers remove the three master links. Replace the belt or replace the damaged links in the belt.
5. Reassemble the master links into the conveyor belt.
6. Push the left side bearing with a screwdriver as shown in Figure 9 and reinsert the shaft into the bearing. Release the shaft from the right side support slot and center the shaft between the side walls.

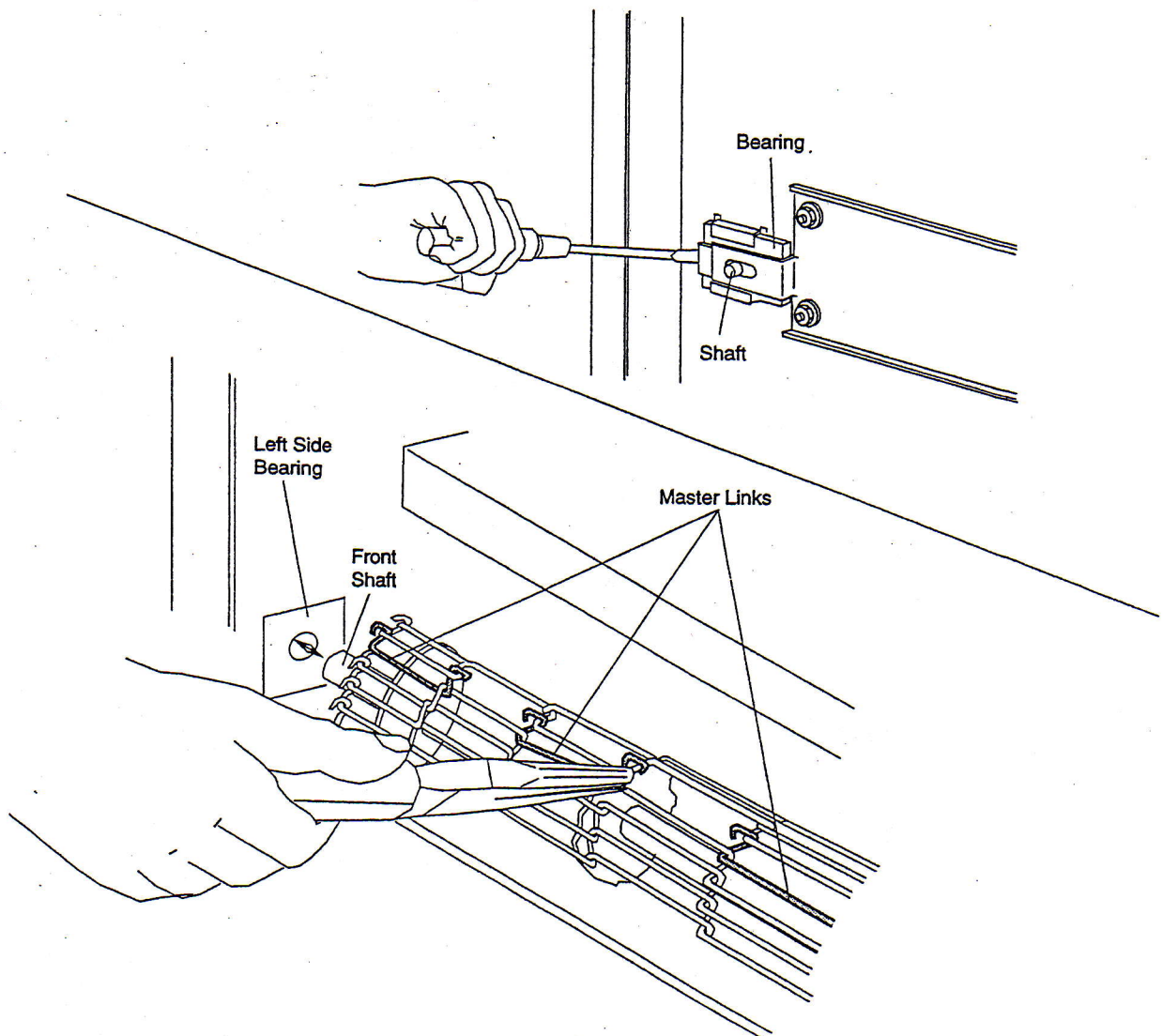


Figure 9

D. Electrical Components Replacement (Drive Motor, Transformer, Fan, On/Off Switch, Speed Controller, Pushbutton Partial Load Switch)

1. Lift the toaster onto its side as shown.
2. Remove the bottom panel by removing the 4 screws.
3. The electrical components are now accessible. Remove wires one at a time from the old component and replace them on the new component. Remove the screws and/or nuts attaching the old component to the toaster and remove it. Mount the new component onto the toaster.
4. Use the wiring diagram to help connect the wires to the new component if necessary.
5. Replace bottom panel using the 4 screws that were removed.

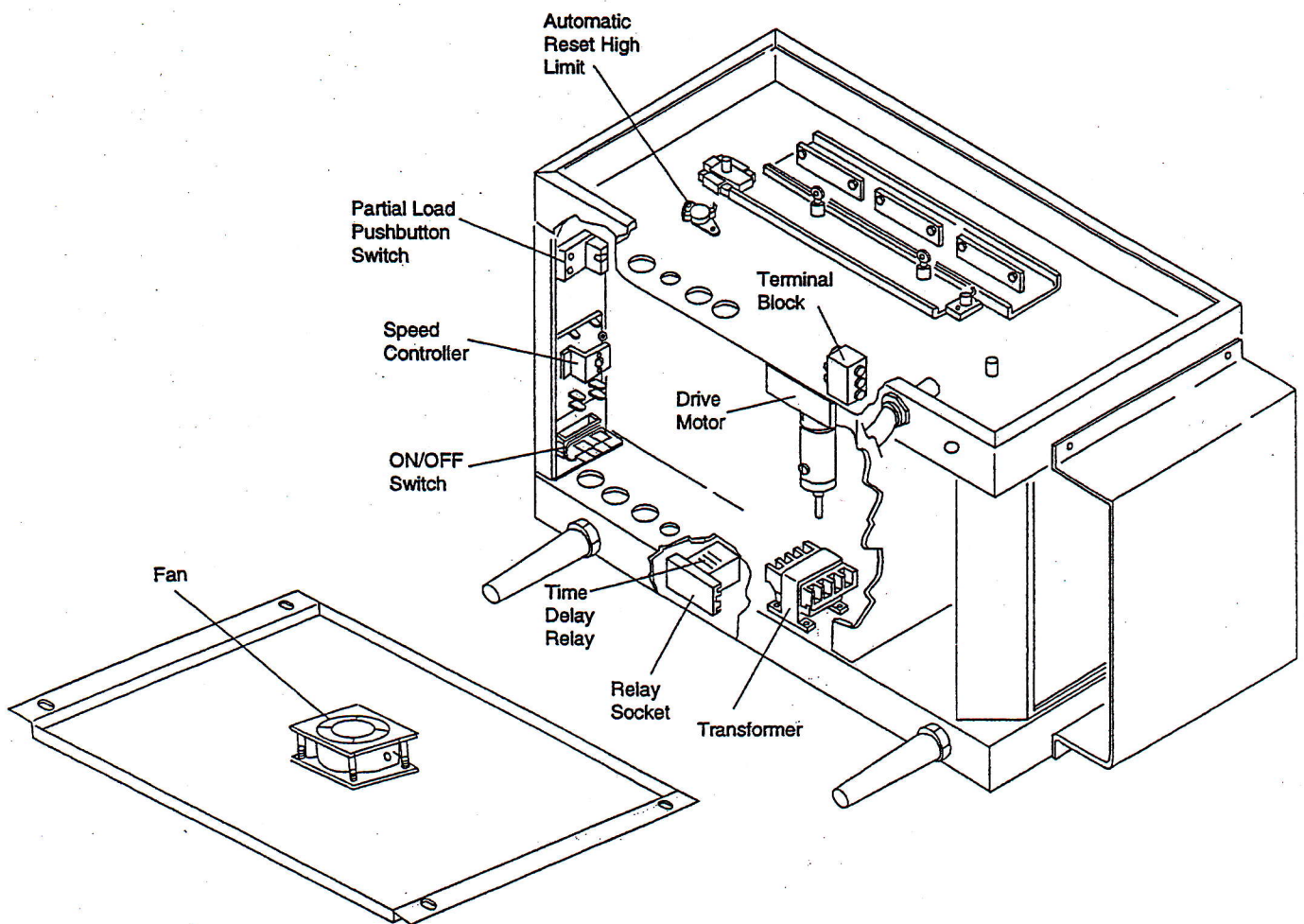


Figure 10

E. Time Delay Relay Replacement

1. Remove the door in the left side cover by removing 1 screw.
2. The time delay relay is now accessible. Remove the relay from its socket and replace with the new relay.
3. Replace the door in the left side cover.

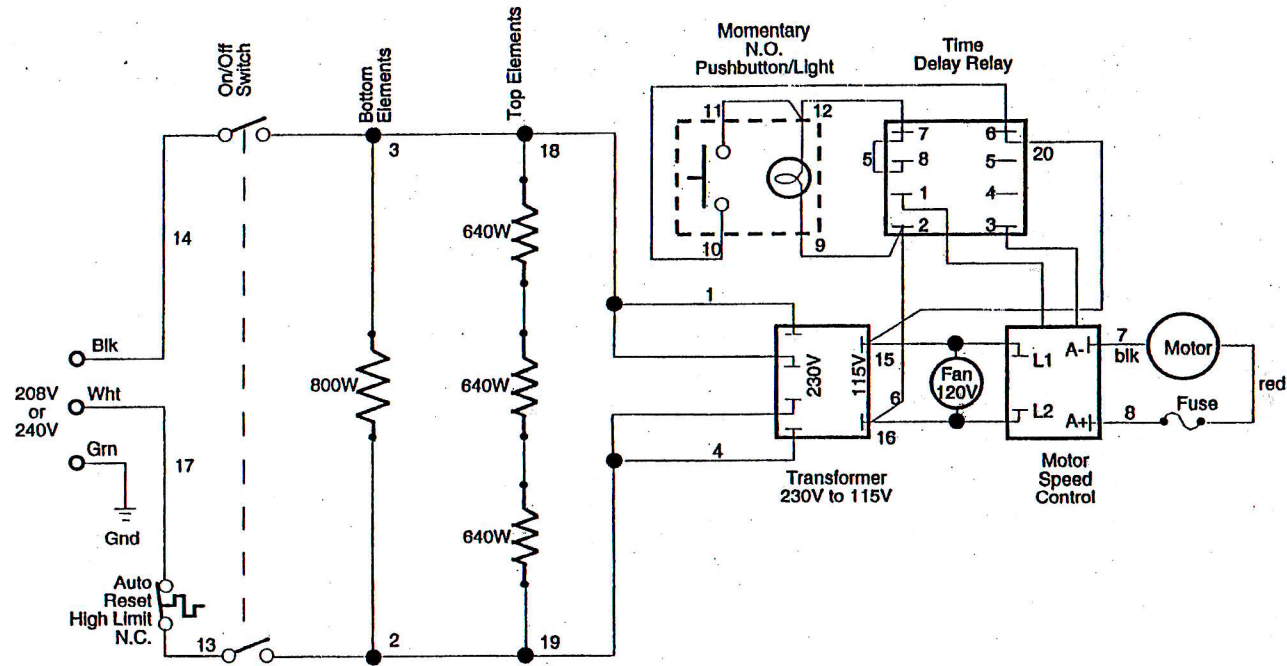
F. Relay Socket Replacement

1. Remove the toaster left side cover by removing the 6 screws.
2. Remove the Time Delay Relay from the socket.
3. Remove wires one at a time from the old relay socket and replace them on the new relay socket. Remove the screws attaching the old relay socket to the toaster and remove it. Mount the new relay socket onto the toaster.
3. Use the wiring diagram to help connect the wires to the new relay socket if necessary.
4. Replace side cover using the 6 screws that were removed.
5. Refer to MRC #19 for instructions to properly adjust time delay relay.

G. Automatic Reset High Limit Replacement

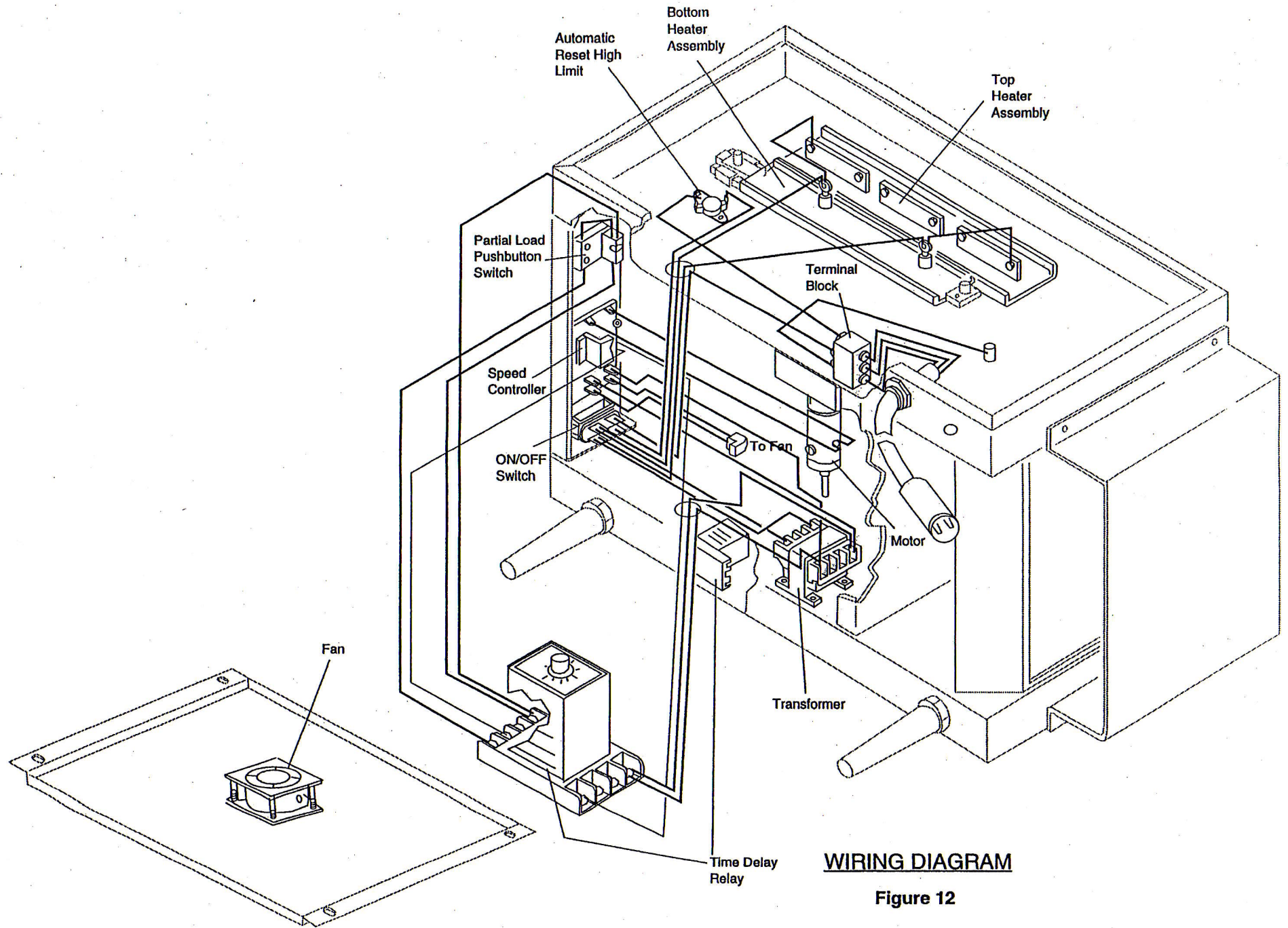
1. Remove the right side cover by removing 6 screws.
2. The Automatic Reset High Limit is now accessible. Remove wires one at a time from the old High Limit and replace them on the new one. Remove the screws attaching the old High Limit to the toaster and remove it. Mount the new High Limit onto the toaster.
3. Use the wiring diagram to help connect the wires to the new High Limit if necessary.
4. Replace side cover using the 6 screws that were removed.

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Figure 11



WIRING DIAGRAM

Figure 12