



## ***HOT FOOD SERVERS***

## FREE STANDING MODELS

3A81D

## 3B82D, 3B84D

## 3C84D, 3D8XD

## BUILT-IN MODELS

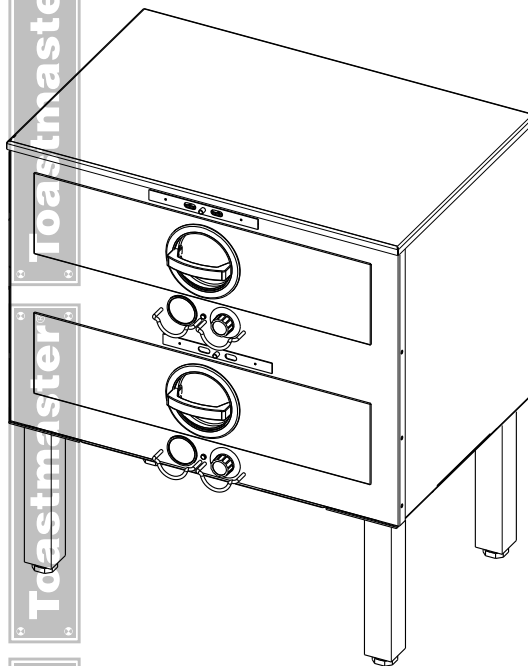
## 3A20A, 3A80A

3B20A, 3B80A, 3B84A

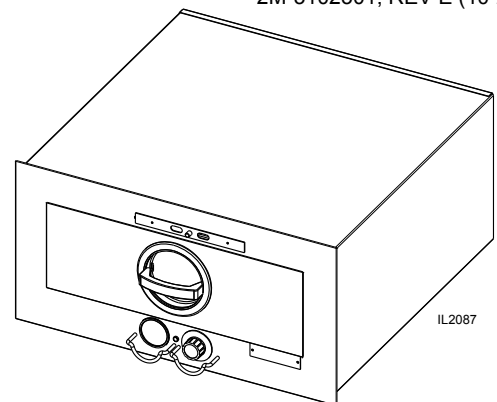
## 3C80A, 3C84A

# Installation and Operation Instructions

2M-3102301, REV E (10-22)



3B84D



3A20A



## SAFETY SYMBOLS



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



### RETAIN THIS MANUAL FOR FUTURE REFERENCE NOTICE

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

Toastmaster 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 Toastmaster 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.

## MAINTENANCE AND REPAIRS

Contact your local authorized service agent for service or required maintenance.

Please record the model number, serial number, voltage and purchase date in the area below and have it ready when you call to ensure a faster service.

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

Voltage \_\_\_\_\_

Purchase Date \_\_\_\_\_

### Authorized Service Agent Listing

Reference the listing provided with the unit

or

for an updated listing go to:

**Website:** [www.toastmastercorp.com](http://www.toastmastercorp.com)  
**E-mail** [customerservice@star-mfg.com](mailto:customerservice@star-mfg.com)  
**Telephone:** (800) 264-7827

### The Service Help Desk

**Business Hours:** 8:00 am to 4:30 p.m. Central Standard Time

**Telephone:** (800) 264-7827

**Fax:**

**E-mail** [customerservice@star-mfg.com](mailto:customerservice@star-mfg.com)

**Website:** [www.toastmastercorp.com](http://www.toastmastercorp.com)

**Mailing Address:** **STAR MANUFACTURING INTERNATIONAL INC.**  
265 Hobson Street  
Smithville, TN 37166  
U.S.A

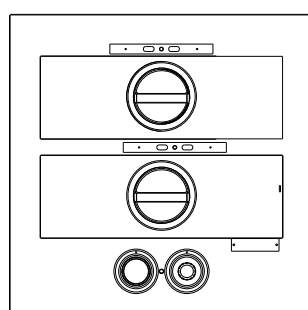
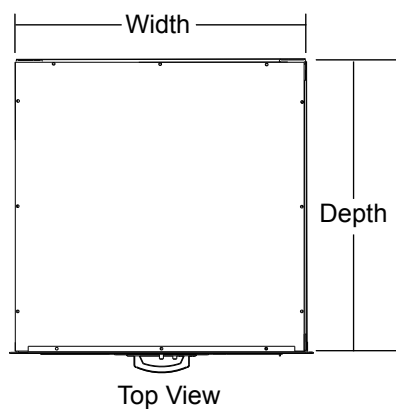
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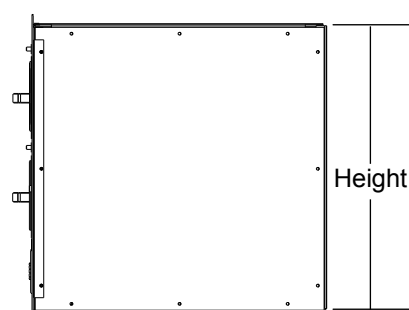
## ELECTRICAL SPECIFICATIONS

| ELECTRICAL SPECIFICATIONS |           |         |              |       |       |            |
|---------------------------|-----------|---------|--------------|-------|-------|------------|
| Model No                  |           | Voltage | Watts        | Phase | Hz    | Power Cord |
| 7C-3A20AT09-120           | 3A20A     | 120     | .45 KW       | 1     | 50/60 |            |
| 7C-3A80AT09-120           | 3A80A     | 120     | .45 KW       | 1     | 50/60 |            |
| 7C-3A80AT72-240           | 3A80A     | 240     | .4/.54 KW    | 1     | 50/60 |            |
| 7C-3A80AWC-120V           | 3A80A     | 120     | .45 KW       | 1     | 50/60 | 5-15P      |
| 7C-3A81D-120KFC           | 3A81D-KFC | 120     | .45 KW       | 1     | 50/60 |            |
| 7C-3A81DT09-120           | 3A81D     | 120     | .45 KW       | 1     | 50/60 |            |
| 7C-3A81DT72-240           | 3A81D     | 208/240 | .45/.54 KW   | 1     | 50/60 |            |
| 7C-3B20AT09-120           | 3B20A     | 120     | 1.0 KW       | 1     | 50/60 |            |
| 7C-3B20AT72-240           | 3B20A     | 208/240 | .9/1.2 KW    | 1     | 50/60 |            |
| 7C-3B80AT09-120           | 3B80A     | 120     | 1.0 KW       | 1     | 50/60 |            |
| 7C-3B80AT72-240           | 3B80A     | 208/240 | .9/1.2 KW    | 1     | 50/60 |            |
| 7C-3B80AWC-120V           | 3B80A     | 120     | 1.0 KW       | 1     | 50/60 | 5-15P      |
| 7C-3B82DT09-CFA           | 3D82D     | 120V    | 1.0KW        | 1     | 50/60 | 5-15P      |
| 7C-3B84AT09-120           | 3B84A     | 120     | .9 KW        | 1     | 50/60 |            |
| 7C-3B84AT72-240 / -SA     | 3B84A     | 208/240 | .85/.98 KW   | 1     | 50/60 |            |
| 7C-3B84DT09-120           | 3B84D     | 120     | .9 KW        | 1     | 50/60 |            |
| 7C-3B84DT09-KFC           | 3B84D-KFC | 120     | .9 KW        | 1     | 50/60 |            |
| 7C-3B84DT72-240           | 3B84D     | 208/240 | .85/.98 KW   | 1     | 50/60 |            |
| 7C-3C80AT09-120           | 3C80A     | 120     | 1.35 KW      | 1     | 50/60 |            |
| 7C-3C80AT72-240           | 3C80A     | 208/240 | 1.22/1.6 KW  | 1     | 50/60 |            |
| 7C-3C84AT09-120           | 3C84A     | 120V    |              |       |       |            |
| 7C-3C84AT72-240           | 3C84D     | 208/240 | 1.28/1.47 KW | 1     | 50/60 |            |
| 7C-3C84DT09-120           | 3C84D     | 120     | 1.35 KW      | 1     | 50/60 |            |
| 7C-3C84DT72-240           | 3B84D     | 208/240 | .85/.98 KW   | 1     | 50/60 |            |
| 7C-3D8XDT09-120           | 3D8XD     | 120     | 1.35 KW      | 1     | 50/60 |            |
| 7C-3D8XDT72-240           | 3D8XD     | 208/240 | 1.22/1.6 KW  | 1     | 50/60 |            |

# SPECIFICATIONS



Front View



Side View

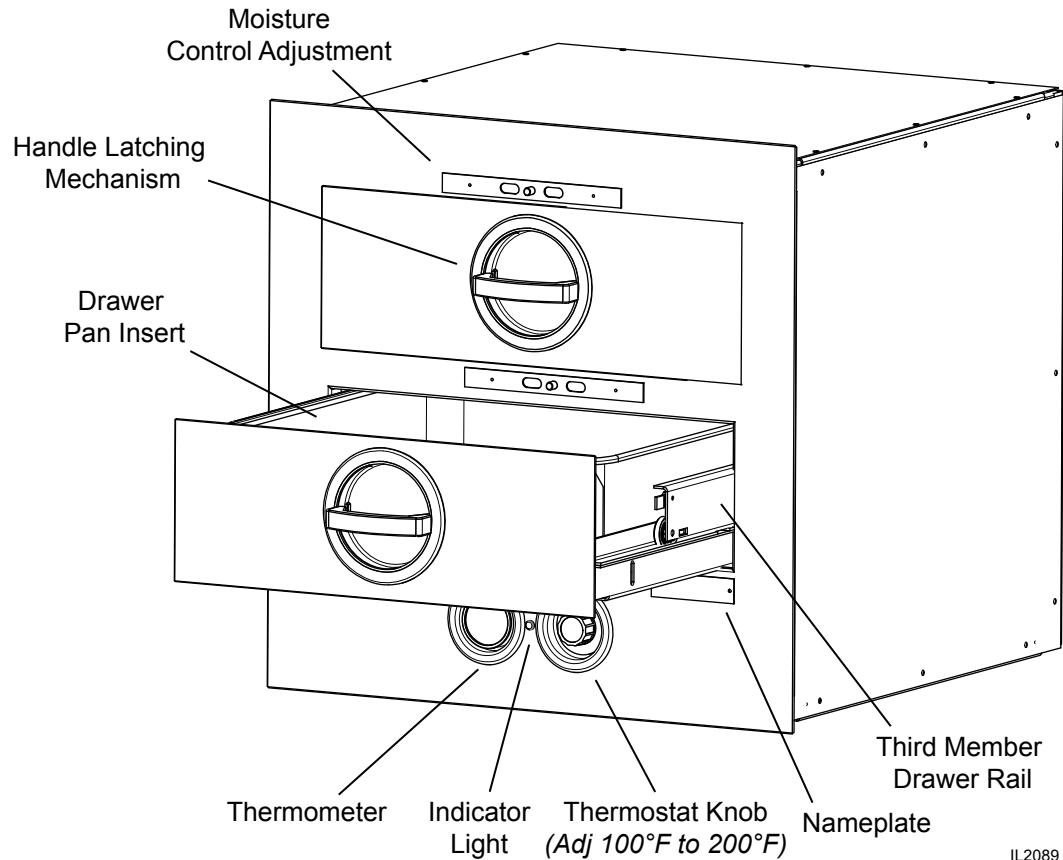
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## MODEL CHART

| Model | Built-In / Free Standing | Drawers | Individual Drawer Control | Preheat Times (minutes) |              | Dimensions      |         |              | Weight    |         |
|-------|--------------------------|---------|---------------------------|-------------------------|--------------|-----------------|---------|--------------|-----------|---------|
|       |                          |         |                           | 150°F (65°C)            | 175°F (79°C) | “W”             | “D”     | “H” w/o legs | Installed | Shipped |
| 3A81D | Free Standing            | 1       | YES                       | 18.8                    | 26.2         | 29 1/16         | 20 3/8  | 11           | 84 lbs    | 94 lbs  |
| 3A20D |                          | 1       | YES                       | 18.8                    | 26.2         | 24 1/16         | 22 9/16 | 12 1/4       | 84 lbs    | 94 lbs  |
| 3A21D |                          | 1       | YES                       | 18.8                    | 26.2         | 24 1/16         | 22 9/16 | 12 1/4       | 84 lbs    | 94 lbs  |
| 3B22D |                          | 2       | NO                        | 17.2                    | 24.8         | 23 1/16         | 24 1/4  | 22 1/8       | 129 lbs   | 144 lbs |
| 3B82D |                          | 2       | NO                        | 18.8                    | 26.2         | 29 1/16         | 20 5/16 | 21 1/8       | 120 lbs   | 139 lbs |
| 3B84D |                          | 2       | YES                       | 18.8                    | 26.2         | 29 1/8          | 20 7/16 | 21 5/8       | 120 lbs   | 139 lbs |
| 3C8XD |                          | 3       | NO                        | 20.6                    | 28.2         | 29 1/16         | 20 5/16 | 28 3/4       | 201 lbs   | 229 lbs |
| 3C84D |                          | 3       | YES                       | 18.8                    | 26.2         | 29 1/8          | 20 7/16 | 32 5/16      | 201 lbs   | 229 lbs |
| 3D8XD |                          | 4       | NO                        | 22.3                    | 29.7         | 29 1/16         | 20 5/8  | 36 5/16      | 237 lbs   | 252 lbs |
|       |                          |         |                           |                         |              | Body Dimensions |         |              |           |         |
| 3A20A | Built-In                 | 1       | YES                       | 18.8                    | 25.8         | 23 1/16         | 23      | 11 1/4       | 70 lbs    | 82 lbs  |
| 3A80A |                          | 1       | YES                       | 18.8                    | 26.2         | 29 1/16         | 19 1/8  | 11           | 72 lbs    | 84 lbs  |
| 3B20A |                          | 2       | NO                        | 17.2                    | 21.8         | 23 1/16         | 23      | 22 1/2       | 120 lbs   | 138 lbs |
| 3B80A |                          | 2       | NO                        | 18.8                    | 26.2         | 29 1/16         | 19 1/4  | 21 1/2       | 125 lbs   | 144 lbs |
| 3B84A |                          | 2       | YES                       | 18.8                    | 26.2         | 29 1/16         | 19 1/4  | 21 3/4       | 125 lbs   | 144 lbs |
| 3C80A |                          | 3       | NO                        | 20.6                    | 28.2         | 29 1/16         | 19 1/4  | 29 5/16      | 171 lbs   | 186 lbs |
| 3C84A |                          | 3       | YES                       | 18.8                    | 26.2         | 29 1/16         | 19 1/4  | 32 1/2       | 206 lbs   | 228 lbs |

## FEATURES & DESCRIPTIONS

### COMPONENT LOCATION & FUNCTION



Toastmaster Hot Food Servers are heated drawer-type cabinets designed to HOLD food cooked in advance at serving temperature and proper moisture content.

**Thermostat:** The thermostat is graduated from 0 to 10 which makes it adjustable from 100°F to 200°F (**38°C to 93°C**) holding temperature. Some models are equipped with separate thermostat for each drawer. Refer to Specifications on the previous page.

**Thermometer:** The thermometer is used to visually check if the holding temperature is at the desired setting. Chicken, beef, ribs, fish, potatoes, vegetables and sauces can be held at temperatures with confidence because you can see that the actual holding temperature is safe. The thermometer will tell at a glance if the holding temperature is high enough to retard dangerous bacteria growth and low enough to prevent overcooking and drying out food.

**Note:** On models with one drawer and on models with individual temperature controls for each drawer the thermostat knob and thermometer are protected with either a wire guard, or they are recessed into the front panel.

**Moisture Control:** The moisture control consists of a slide which is used to control the amount of moisture allowed to escape from the foods being held.

**Indicator Light:** The light will illuminate when the unit is calling for heat and will shut off when it has reached the set temperature.

## DESCRIPTION continued

| Accessories                        |                                                                                   |
|------------------------------------|-----------------------------------------------------------------------------------|
| 3 & 4 Drawer Free Standing Models: |                                                                                   |
| 7C-3L6                             | Square legs 6" high, stainless steel, set of 4, leveling adj. up to 3/4"          |
| 7C-3L9                             | Square legs 9" high, stainless steel, set of 4, leveling adj. up to 3/4"          |
| 7C-3L12                            | Square legs 12" high, stainless steel, set of 4, leveling adj. up to 3/4"         |
| 7C-3L15                            | Square legs 15" high, stainless steel, set of 4, leveling adj. up to 3/4"         |
|                                    |                                                                                   |
| 7C-3M3                             | Casters, 3", set of four (swivel without brakes) adds 4-1/4" to unit height       |
| 7C-3M4                             | Casters, 3", set of four (two swivel/lock, two fixed), adds 4-1/4" to unit height |
|                                    |                                                                                   |
| 2 Drawer Free Standing Models:     |                                                                                   |
| 7C-3M338STSB                       | Casters, 3" set of four swivel (two with brakes), 360lbs. Load capacity           |

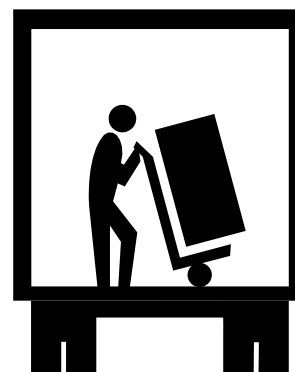
## INSTALLATION

### INSTALLATION

#### 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 damage condition, either apparent or concealed, a claim must be made with the delivery 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 Hot Food Server

1. Open carton and remove it from around hot food server, then remove the empty carton from the area.
2. Remove all tape from unit and set food server on its side on three 2x4's (as shown in Figure 2-1) so the packing skid attached to the bottom of the unit is off the ground.

**WARNING: DO NOT** set the unit on its back, damage could occur to the power cord or conduit. Place unit on its side.

3. Remove 4 bolts attaching skid to bottom of unit.

## INSTALLATION continued

### C. Installation of Free-Standing Models

#### 1. Counter top Models 3B22D, 3A81D, 3A20D, 3A21D , 3B82D AND 3B84D.

- Countertop models are shipped with a set of four 4"(102mm) adjustable legs or an optional set of 4 casters (see *Accessories Chart on previous page*) can be ordered. Screw the legs or casters into the threaded holes in the corners of the unit bottom.
- Hot food servers with legs can be set on the floor or on the counter. Units with casters can only be set on the floor. **Do not set the hot food server with casters on a counter top.**
- Level unit with legs by turning the hexagonal adjustment feet located at the bottom of the legs.

#### 2. Floor Models 3B82DT, 3C8XD, 3C84D AND 3D8XD are usually installed as floor models due to their size. One of the available leg or caster accessory kits must be used in the installation.

- Leg Installation** using accessory kit (see chart for available leg or caster accessories, sold separately)

Locate and open the accessory leg kit and the hardware package included with it.

With the hot food server on it side and the 2x4's still positioned under the unit, align the square corner of a leg flange with a corner of the unit. Attach the leg flange using 5 of the bolts furnished. Refer to figure 2-2.

Repeat for remaining three legs.

Carefully set unit upright, using a level, level the server by turning the adjustable feet.

- Caster Installation** using accessory kit (see chart for available leg or caster accessories, sold separately)

The casters kits are installed the same as the leg kits above, except 2 of the casters are fixed and should be installed at one end or at the rear. The other 2 swivel casters with brakes are installed opposite the fixed casters.

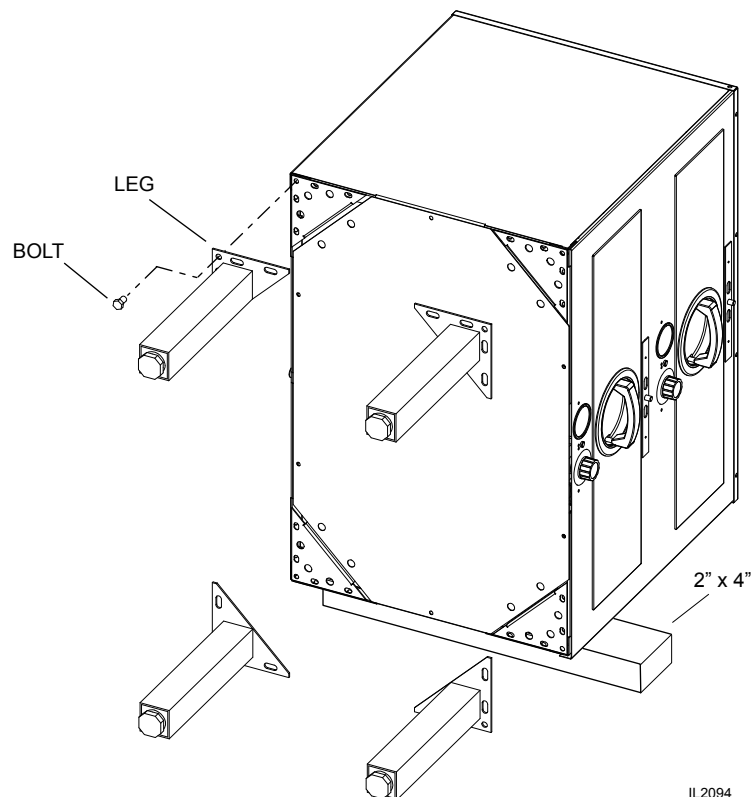


Fig. 2-1, Leg / Caster Installation

## INSTALLATION continued

### 3. Electrical Connections:

**FREE STANDING UNITS:** All free standing hot food servers are quipped with a factory installed 36" (914mm) cord and plug.

- 120V models: Plug conforms to NEMA Standard 5-15P
- 208/240V models: Plug conforms to NEMA Standard 6-15P

**BUILT-IN UNITS:** Most units are provided with a 48" flexible metal conduit for electrical connections (see electrical specifications for specifics).

### D. Installation of Built-In Units:

All of these units are true built-in models and are designed to be installed into the front face of a counter fixture. Front of units extends beyond the body to form a self-trimming flange that covers the cut out in the fixture.

1. **Cabinet Cut Out and Support.** Cut out the face of the counter fixture according to the drawing that is provided with your hot food server. Figure 2-5 can also be used for the cut out drawing of your model number. As shown in the drawing allow 1/2" (13mm) minimum cabinet face material above top of cut out opening. This allows unobstructed seating of hot food server flange.

Be sure counter fixture has adequate depth from front face to inside of back to accept the hot food server. Minimum depths are shown for each model in Figure 2-5.

- a. The hot food server body must be supported from the bottom. This can be accomplished by installing metal support angles of wooden support blocks as shown in Figure 2-5. The supports are not supplied and must be furnished using a suitable strength metal or wood. The top surface of these supports must be 1/16" (3mm) below the bottom edge of the face cut out. A metal or wood crossbrace approximately 2-1/2" (64mm) wide should be securely mounted between the supports as shown. The center line of the crossbrace must be 4" (102mm) from the face of the cut out and its top surface must be flush with the side supports.
- b. An alternate support method is to install a solid flat platform in lieu of the side supports and crossbrace. The top surface of the platform must be 1/16" (3mm) below the bottom edge of the cut out.

2. Install Leveling Feet (shown below). Open the top drawer and remove the small cloth bag containing four hex head cap screws & two mounting screws. Thread these four screws hand tight up into the four holes in the bottom of the unit. Refer to 2-6.

Right: Leveling Feet for Built-in Units.  
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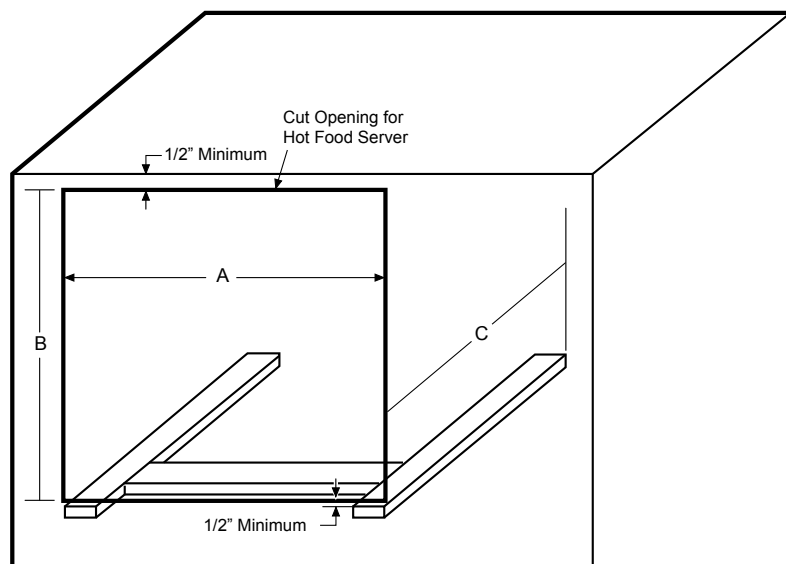
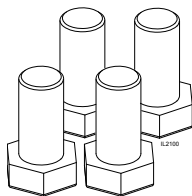


Figure 2-5, Cabinet Mounting

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| BUILT-IN MODELS OPENING DIMENSIONS |           |        |            |        |           |        |
|------------------------------------|-----------|--------|------------|--------|-----------|--------|
| Model                              | "A" Width |        | "B" Height |        | "C" Depth |        |
| 3A20A                              | 23 3/8"   | 594 mm | 11 1/2"    | 292 mm | 24 1/2"   | 622 mm |
| 3B20A                              |           |        | 22 3/4"    | 578 mm |           |        |
| 3A80A                              | 29 3/8"   | 746 mm | 11 1/4"    | 286 mm | 20 5/8"   | 524 mm |
| 3B80A                              |           |        | 21 3/4"    | 552 mm | 20 3/4"   | 527 mm |
| 3C80A                              |           |        | 29 1/2"    | 749 mm |           |        |
| 3B84A                              |           |        | 22"        | 559 mm |           |        |
| 3C84A                              |           |        | 32 3/4"    | 832 mm |           |        |

## INSTALLATION continued

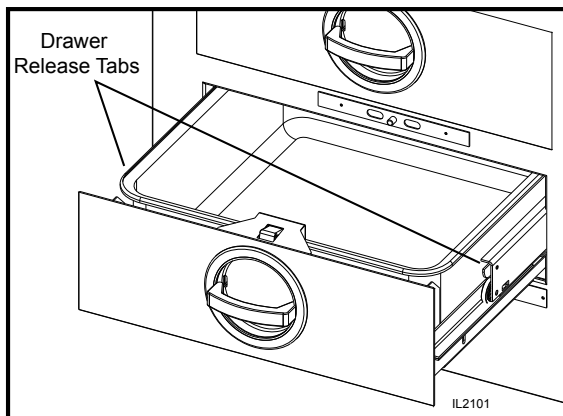
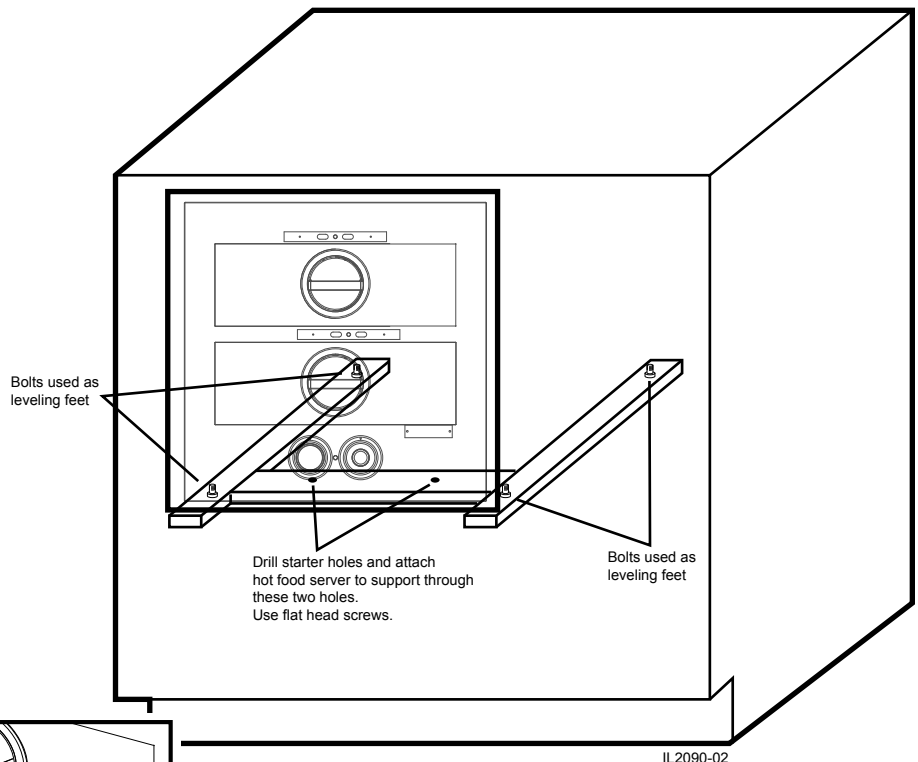
3. **Electrical Connection.** All electrical connections required for this unit must be performed by a certified electrician. Built-in models are equipped with a 3/4" (19mm) diameter x 4ft. (122cm) long flexible conduit containing power lead pigtails and a ground wire. It is necessary that this conduit and the wiring leads connect at a junction box in accordance with local codes. Be sure to check the data plate on the front of the unit to be sure the power supply is correct. 115V units operate on voltage ranging from 110V to 125V. 220V units operate on voltage ranging from 208V to 240V.
4. **Mount Unit in Cabinet.**
  - a. Remove the drawer(s) from the unit, pull the drawer(s) out to the stop. Grasp the entire drawer assembly at the sides as if to lift it and locate your thumbs on the tabs of the drawer slide (*figure 2-7*). Press down on these tabs with your thumbs and simultaneously pull out on the drawer. Set drawer assembly aside.
  - b. Lift the unit from both sides and start its backside into the cut out. Push back until the trim flange meets the face of the fixture.
  - c. Place a level on the floor of the unit and check from side to side and front to back. If adjustments are necessary, slide the entire unit out of the fixture and adjust the leveling feet as required.
  - d. Secure the unit into position after leveling. There are two holes in the unit bottom for this purpose (See Figure 2-6). Place a drill bit down through these two holes and bore two pilot holes into the crossbrace beneath. Tighten a pair of flat head sheet metal screws down through these holes and into the crossbrace. The unit is now installed.
  - e. Replace the drawers. **NOTE:** The drawers of multiple drawer units are individually identified (ex: "TOP", "2" AND "3"). They should be reinstalled in their respective positions.

### E. Initial Start-up

1. Turn on the branch line circuit breaker
2. Set the thermostat control dial at "10" the indicator light will come on indicating that unit is calling for heat.
3. After a few minutes have elapsed, open a drawer and check that the unit is heating.

**NOTE:** If your unit is equipped with a separate thermostat for each drawer, complete Steps 2 & 3 for each drawer individually.

4. If unit fails to heat, recheck to be sure circuit breakers are on and electrical connections are properly made. If it still fails to heat, call a Toastmaster Authorized Service Agent.



Above: Figure 2-6, Cabinet Mounting

Left: Figure 2-7, Drawer Release Tabs

# OPERATION

## A. Location of Controls

The following information provides a basic description of the hot food server components, their location and function they perform.

## B. Function of Controls

Hot food server models are either equipped with one set of controls for the complete unit or a separate set of controls for each drawer. Units with one set of controls have a thermostat control, indicator light and thermometer located below the drawer(s). Units with separate drawer controls have them under each drawer.

1. **Thermostat Control Knob** - The thermostat control knob is used to set the temperature to your requirements. The control knob is graduated from "0" to "10" with "OFF" position. The maximum temperature setting is 10 (200°F [93°C]), the minimum temperature setting is 0 (100°F [38°C]).
2. **Indicator Light** - An indicator light cycles on and off as the thermostat calls for heat.
3. **Thermometer** - The thermometer indicates the actual holding temperature within the unit.
4. **Moisture Control** - Hot food servers operate on a principle of holding food at proper and safe temperatures and with proper moisture content. Because hot food servers produce dry heat, moisture loss from the food must be controlled. The moisture control allows the operator to control the rate at which the natural moisture of the food escapes.

Slide the moisture control for the desired opening:

**Crisp:** Slide is fully opened to allow rapid escape of moisture so crisp foods placed in the hot food server will not get soggy.

**Partially Open:** Adjust slide for the desired amount of moisture retention.

**Moist:** Slide is fully closed to retain all of the moisture in the food.

## C. Operation

1. Turn the main power disconnect switch (*circuit breaker*) ON.
2. Turn the thermostat control knob to the desired setting. Allow the unit to preheat for the time shown in the following chart. The indicator light will cycle ON and OFF as it heats.
3. Read the thermometer after the preheat time has elapsed. If the indicated temperature is above or below the desired (set) temperature adjust the thermostat up or down until the desired holding temperature is reached.
4. Place cooked food into hot food server drawer(s) **WHILE HOT**. Do not allow to cool.
5. Close drawer and set moisture control slide to the desired position appropriate for the food being held. Refer "FUNCTION CONTROLS" for moisture control settings.
6. Open drawers as required to remove and/or replenish food.

**IMPORTANT:** When holding bread and rolls it is important to rotate product. Rolls already in the drawer should be moved to the front and rolls being added should be placed at the rear.

Rolls that have been heated once and then cooled have lost most of their moisture while setting in the open air, they can not be reheated with satisfactory results.

## OPERATION continued

### D. Shutdown

1. Turn the thermostat control knob to "OFF".

### E. Pre-heating

| Model       | Preheat Time in Minutes |              |
|-------------|-------------------------|--------------|
|             | 150°F (66°C)            | 175°F (79°C) |
| 3A21D       | 18.5                    | 25.8         |
| 3A20A       |                         |              |
| 3A20D       |                         |              |
| 3B20A       | 17.2                    | 21.8         |
| 3B22D       |                         | 24.8         |
| 3A80A/3A81D | 18.8                    | 26.2         |
| 3B80A/3B82D |                         |              |
| 3B84A/3B84D |                         |              |
| 3C84A/3C84D |                         |              |
| 3C80A/3C8XD | 20.6                    | 28.2         |
| 3D8XD       | 22.3                    | 29.7         |

| CAPACITY PER PAN                                |                               |                         |                |                          |                        |
|-------------------------------------------------|-------------------------------|-------------------------|----------------|--------------------------|------------------------|
| Model No                                        | Baked Potatoes<br>(120 count) | Vegetables<br>(#10 Can) | Ribs<br>(lbs.) | Hamburger Buns<br>(doz.) | Dinner Rolls<br>(doz.) |
| 3A20A, 3B20A, 3B22D, 3A20D, 3A21D               | 35                            | 7                       | 25             | 5                        | 6                      |
| 3A80A, 3B80A, 3C80A, 3A81D, 3B82D, 3C8XD, 3D8XD | 40                            | 8                       | 30             | 6-1/2                    | 7                      |
| 3B84A, 3C84A, 3B84D, 3C84D                      |                               |                         |                |                          |                        |

## OPERATION continued

### G. Recommended Temperature & Humidity Settings

| Recommended Temperature and Humidity Settings                                                                                                                                                                                                                                                                                                                                                                                    |                                  |              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | Temperature                      | Humidity     |
| <b>Soft Rolls:</b> Clover Leaf, Cinnamon Rolls, Corn Bread, Doughnuts, Gingerbread, Hamburger & Frankfurter Buns, Muffins, Parker House, Soft Oval and Sweet Rolls.                                                                                                                                                                                                                                                              | 150°F to 175°F<br>(66°C to 79°C) | Moist        |
| <b>Hard Rolls:</b> French, Kaiser, Swiss & Poppy Seed Rolls and Salt Sticks                                                                                                                                                                                                                                                                                                                                                      | 150°F to 175°F<br>(66°C to 79°C) | 3/4 to Crisp |
| <b>Vegetables:</b> Asparagus, Beans, Beets, Boiled or Mashed Potatoes, Braised Celery, Broccoli, Brussel Sprouts, Carrots, Corn Dutch Potato Salad, Peas, Spinach & Tomatoes                                                                                                                                                                                                                                                     | 175°F to 185°F<br>(79°C to 85°C) | Moist        |
| <b>Meat, Fish &amp; Eggs:</b> Bacon, Baked Fish, Barbecued Spareribs, Beef or Pork Roasts, Chicken Croquettes, Chicken-Whole or Sliced, Frankfurters, Ground Steak Patties, Ham, Hash, Lamb and Pork Chops, Liver, Lobster and Shrimp, Meat Loaf, Roast Duck, Sausage, Scrambled Eggs, Swiss Steak and Veal Cutlets<br><br>Casserole Dishes, Chicken Pot Pie, Cod Fish Cakes, Fried Chicken, Fried Fish, Hamburgers and Scallops | 165°F to 185°F<br>(74°C to 85°C) | Moist        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  | 150°F to 175°F<br>(66°C to 79°C) | Moist        |
| <b>Pies &amp; Desserts:</b> Apple Brown Betty, Plum Pudding and Steamed Raisin Puddings                                                                                                                                                                                                                                                                                                                                          | 160°F to 185°F<br>(71°C to 85°C) | Moist        |
| <b>Miscellaneous Foods:</b> Cream of Wheat, Farina, Macaroni & Cheese, Oatmeal, Spaghetti and Spanish Rice                                                                                                                                                                                                                                                                                                                       | 165°F to 175°F<br>(74°F to 79°C) | Moist        |

**IMPORTANT:** There are three main causes for rolls and foods to loose their moisture. The temperature is too high; the moisture control is not properly adjusted or the length of time the rolls are in the drawer is too long. Investigate these causes if foods or rolls tend to loose moisture.

### H. Daily Cleaning

**CAUTION: BEFORE CLEANING BE SURE TO TURN OFF THE HOT FOOD SERVER'S MAIN DISCONNECT SWITCH.**

1. Drawer Pans
  - a. Open the drawer(s) and lift the pan(s) out.
  - b. Empty contents of pan and wash pan in hot soapy water.
  - c. Rinse with hot water and let air dry.
  - or
  - d. If desired pan can be pre-rinsed and then run through dishwasher and air dried.
2. Exterior Surface (Stainless Steel)
  - a. Wash with a damp cloth or sponge wrung out of detergent and hot water solution.
  - b. Rinse with a damp cloth or sponge wrung out of hot clean water.
  - c. Dry and polish with a soft cloth
  - or
  - d. Clean the exterior using a good stainless steel cleaner/polish. Spray on and wipe off.
  - e. For best results always polish in the direction of the finish grain of the metal.

## OPERATION continued



**CAUTION: DO NOT USE SCOURING POWDERS OR ABRASIVE PADS TO CLEAN THE EXTERIOR AS THEY WILL SCRATCH AND MAR THE FINISH.**

### 3. Interior Surfaces (Aluminized Steel)

- Use a stiff non-metallic bristle brush to loosen food soil and crumbs. Let them fall to the floor of the unit.
- Wipe or vacuum accumulated loose soil from the unit paying particular attention to areas around heating elements.
- Wash interior with a damp cloth or sponge wrung out of detergent and hot water solution.
- Rinse with a damp cloth or sponge wrung out of hot clear water.
- Dry with a clean cloth plus allow time to air dry.



**CAUTION: BE CAREFUL NOT TO ALLOW WATER TO RUN INTO ELECTRICAL COMPARTMENTS AS DAMAGED COULD RESULT.**

### I. Clean and Lubricate as Necessary

#### 1. Drawer Carriages & Third Rail Members

- Remove drawer by pulling drawer open until it stops, grasping the carriage on both sides and pressing down on the tabs at the front of the third rail members and then removing drawer.
- Wash food residue from the carriage with hot detergent and water solution, rinse with clean hot water and wipe dry.

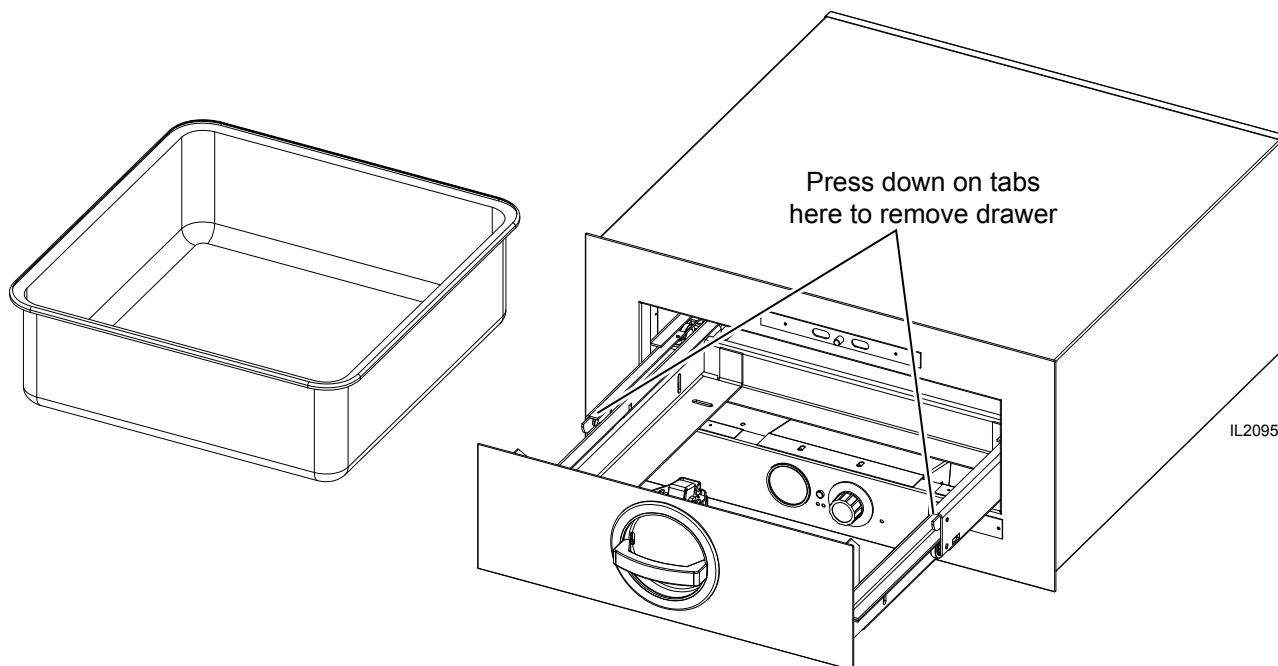


Fig. 3-3, Drawer Removal



**CAUTION: DO NOT SUBMERGE DRAWER FRONTS. THEY ARE INSULATED AND THE INSULATION BE DAMAGED BY THE LIQUIDS.**

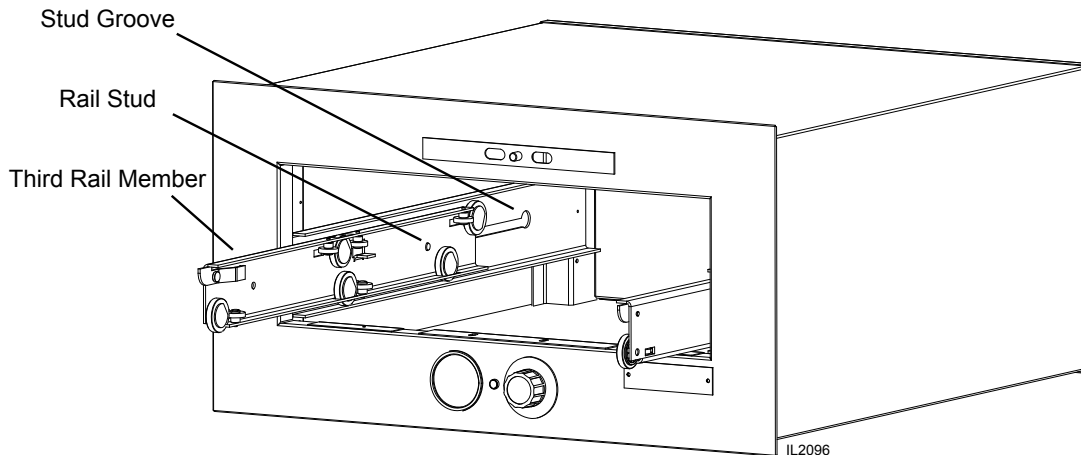


Fig. 3-5, Third Rail Removal

- c. The third rail members ride in channels welded to the interior sides of the unit. Remove them by pushing back as far as possible, grasping the member and tilting it inward from the top. (Fig 3-5).
- d. Use a stiff bristle brush to loosen food soil and crumbs.
- e. Wash with a damp cloth or sponge wrung out of detergent and hot water solution.
- f. Rinse with a damp cloth or sponge wrung out of hot clean water.
- g. Dry with a clean cloth plus allow time to air dry.



**CAUTION: DO NOT SUBMERGE. KEEP EXCESS LIQUID OUT OF BEARING RACES.**

- h. Periodically lubricate the third rail members and examine the rollers. They should all turn freely.
- i. Lubricate the large rollers with high temperature food grade machine grease. Using your fingers, force grease into the bearings through the small crack formed at the flat spot on the mounting stud.
- j. The small rollers should also be lubricated periodically with high temperature grease. Using your fingers, force a small amount of grease into the crack where bearing meets shaft.
- k. Reinstall the third rail members.
- l. Reinstall the drawers. The placement of each drawer is identified near the front of the right side (i.e. "TOP" "BOTTOM" "2" "3"). Be sure to re-install the drawers in their proper position.
- m. Place the flats of the drawer carriage sides on the bottom rollers of the third rail members and push the drawer all the way closed. Then open the drawer to check that the stops are engaged.



**WARNING: NEGLECTED THIRD RAIL MEMBERS MAY EVENTUALLY FAIL TO FUNCTION PROPERLY. ROLLERS MAY CEASE TO TURN. THIS COULD RESULT IN EXCESSIVE WEAR TO ROLLERS, MOUNTING CHANNELS AND DRAWER FRAMES.**

LIMITED EQUIPMENT WARRANTY

Star Manufacturing [as well as its subsidiaries] warrants to the original purchaser of new Star products to be free from defects in material or workmanship, under normal and proper use and maintenance service as specified by Star and upon proper installation and start-up in accordance with the instructions supplied with each Star unit. Star’s obligation under this warranty is limited to a period of one [1] year from the date of original installation, or eighteen [18] months from original invoice date, whichever occurs first. Defects that occur as a result of normal use, within the time period and limitations defined in this warranty, will at Star’s discretion have the parts replaced or repaired by Star or a Star-authorized service agency.

THIS WARRANTY IS SUBJECT TO ALL LISTED CONDITIONS

Repairs performed under this warranty are to be performed by a Star authorized service agency. Star will not be responsible for charges incurred or service performed by non-authorized repair agencies. In all cases, the nearest Star-authorized service agency must be used. Star will be responsible for normal labor charges incurred in the repair or replacement of a warrantied product within 50 miles (80.5 km) of an authorized service agency. Time and expense charges for anything beyond that distance will be the responsibility of the owner. All labor will need to be performed during regular service hours. Any overtime premium will be charged to the owner. For all shipments outside the U.S.A. and Canada, please see the International Warranty for specific details. It is the responsibility of the owner to inspect and report any shipping damage claims, hidden or otherwise, promptly following delivery. No mileage or travel charges will be honored on any equipment that is deemed portable. In general, equipment with a cord and plug weighing less than 50 lb. (22.7 kg) is considered portable and should be taken or shipped to the closest authorized service agency, transportation prepaid.

CONTACT

Should you require any assistance regarding the operation or maintenance of any Star Manufacturing; phone, email or fax our service department. In all correspondence provide the model number and serial number of the unit needing service; include the voltage or gas type.  
Normal Business Hours: 8:00 a.m. to 4:30 p.m. Central  
Telephone: 800-264-7827 Tech Service Option 2  
Email: [TechService@partstown.com](mailto:TechService@partstown.com)  
[www.Star-Mfg.com](http://www.Star-Mfg.com)

WARRANTY EXCLUSIONS

THE FOLLOWING WILL NOT BE COVERED UNDER WARRANTY.

Star’s sole obligation under this warranty is limited to either repair or replacement parts, subject to the additional limitations detailed below. This warranty neither assumes nor authorizes any person to assume obligations other than those expressly covered by this warranty.

- Any product which has not been used, maintained, or installed in accordance with the directions published in the appropriate installation sheet and/or owner’s manual, including incorrect gas or electrical connection. Star is not liable for any unit which has been mishandled, abused, misapplied, subjected to harsh chemicals, modified by unauthorized personnel, damaged by flood, fire, or other acts of nature [or God], or which have an altered or missing serial number.
- Installation, labor, and job checkouts, calibration of heat controls, air and gas burner/bypass/pilot adjustments, gas or electrical system checks, voltage and phase conversions, cleaning of equipment, or seasoning of griddle surface.
- Replacement of fuses or resetting of circuit breakers, safety controls, or reset buttons.
- Replacement of broken or damaged glass components, quartz heating elements, and light bulbs.
- Labor charges for all removable and consumable parts in gas charbroilers and hotplates, including but not limited to burners, grates, and radiants.
- Any labor charges incurred by delays, waiting time, or operating restrictions that hinder a service technician’s ability to perform service.
- Replacement of parts that fail or are damaged due to normal wear or labor for replacement of parts that can be replaced during a daily cleaning routine, such as but not limited to silicone belts, PTFE non-stick sheets, control labels, knobs, bulbs, fuses, quartz heating elements, baskets, racks, and grease drawers.
- Any economic loss of business or profits.
- Non-OEM parts. Use of non-OEM parts without Star’s approval will void the warranty.
- Units exceeding one [1] year from original installation date, or more than eighteen [18] months from original purchase date, whichever comes first.

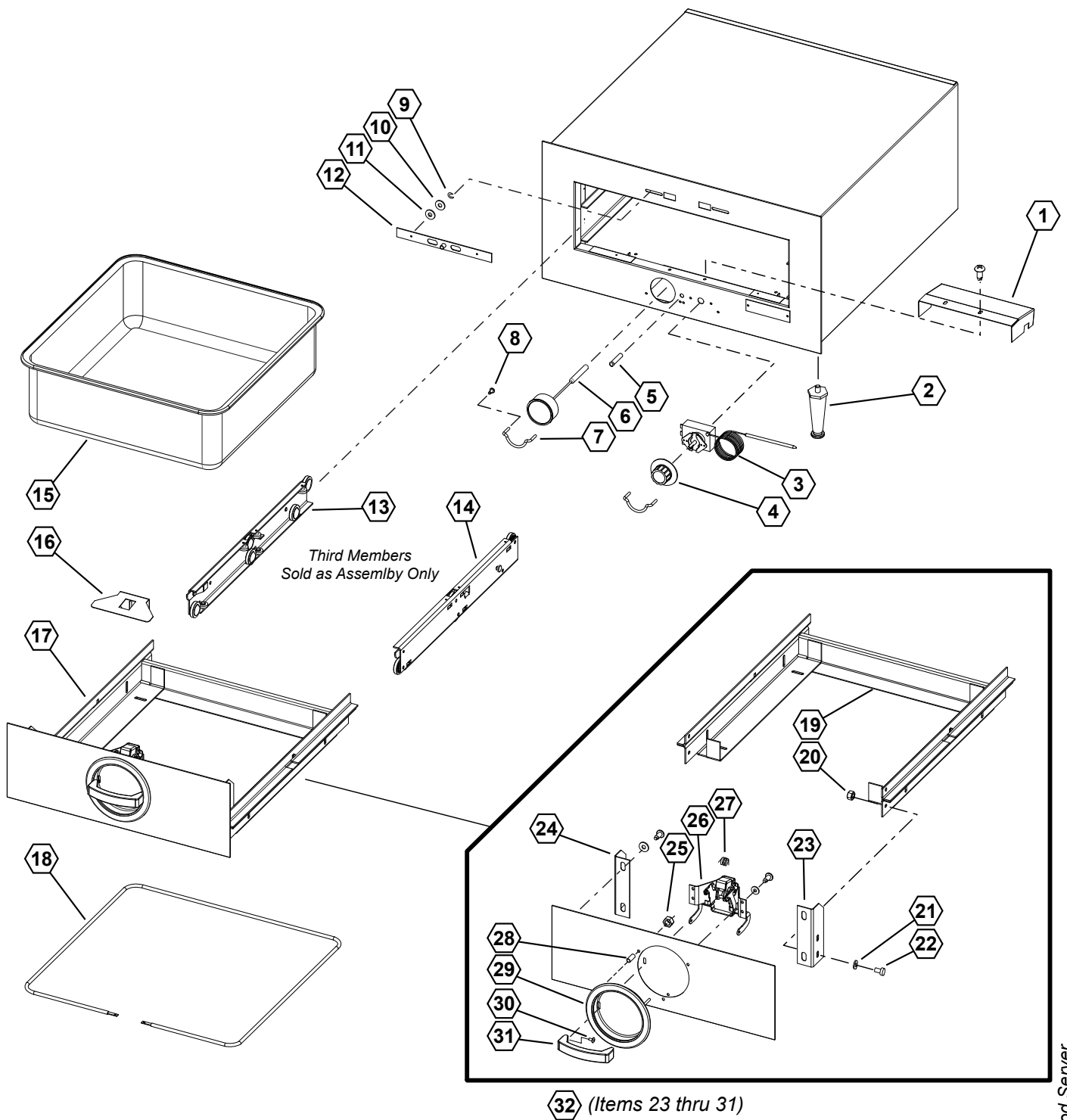
ADDITIONAL WARRANTIES

- Specific/chain-specific equipment may have additional and/or extended warranties.

| PRODUCTS                                                            | PARTS   | LABOR   |
|---------------------------------------------------------------------|---------|---------|
| Star Ultra Max ® fryers, griddles, charbroilers and hotplates       | 2 years | 2 years |
| Star Max ® fryers, griddles, charbroilers and hotplates             | 2 years | 2 years |
| Staltek™ roller grill coatings                                      | 5 years |         |
| Cast iron grates, burners and burner shields                        | 1 year  |         |
| Original Star, Toastmaster or Holman parts sold to repair equipment | 90 days |         |

The foregoing warranty is in lieu of any, and all other warranties expressed or implied and constitutes the entire warranty.





**Hot Food Server**  
 Single Drawer Models  
 Model: 3A20A, 3A80A, 3A81D



IL2097, Rev. - 10/11/2010

2M-3102301; Hot Food Server

# PARTS LIST

(08/2018) Rev. D

2M-3102301; Hot Food Server

| ONE DRAWER HOT FOOD SERVER MODELS: 3A20A, 3A80A, 3A81D |              |                              |     |                                                                                    |
|--------------------------------------------------------|--------------|------------------------------|-----|------------------------------------------------------------------------------------|
| Fig No                                                 | Part No.     | Description                  | Qty | Application                                                                        |
| 1                                                      | C9-7005899   | COVER,T'STAT                 | 1   |                                                                                    |
| 2                                                      | 2R-1523B8301 | LEG, 4INBLACK PLASTIC        | 4   | 3A81D-120KFC, 3A81DT09-120, 3A81DT72-240                                           |
| 3                                                      | 2T-3B70A8929 | THERMOSTAT,100-200F          | 1   |                                                                                    |
| 4                                                      | 2R-2100087   | KNOB,TSTAT OFF & 0-10        | 1   |                                                                                    |
| 5                                                      | C9-TC0069    | LIGHT,SIGNAL ASSY RED-115    | 1   | 3A20AT09-120, 3A80AT09-120, 3A80AWC-120V, 3A81D-120KFC, 3A81DT09-120               |
|                                                        | C9-3B82D0181 | ASSY,LIGHT SIGNAL RED 250    |     | 3A80AT72-240, 3A81DT72-240                                                         |
| 6                                                      | 2T-3004112   | THERMOMETER                  | 1   |                                                                                    |
| 7                                                      | C9-3A80A3007 | GUARD,KNOB CONTROL           | 2   |                                                                                    |
| 8                                                      | 2C-K1DS195   | KNOB GUARD SCREW             | 4   |                                                                                    |
| 9                                                      | 2C-B102851   | RING,RETAINING               | 4   |                                                                                    |
| 9                                                      | 2C-B102851   | RING,RETAINING               | 6   | 3A81D-120KFC                                                                       |
| 10                                                     | 2C-2001748   | WASHER, SPRING #10           | 4   |                                                                                    |
| 11                                                     | 2C-3B82D8827 | WASHER,FLAT 7/16             | 4   |                                                                                    |
| 12                                                     | 2R-7610283   | ASSY,VENT SLIDE HFS          | 1   |                                                                                    |
| 13                                                     | C9-3B22D0045 | ASSY,CHANNEL THIRD MEMBER LF | 1   | 3A20AT09-120                                                                       |
|                                                        | C9-3B82D0069 | ASSY,CHANNEL THIRD MEMBER LF |     | 3A80AT09-120, 3A80AT72-240, 3A80AWC-120V, 3A81DT09-120, 3A81DT72-240               |
| 14                                                     | C9-3B22D0041 | ASSY,CHANNEL THIRD MEMBER RT | 1   | 3A20AT09-120                                                                       |
|                                                        | C9-3B82D0067 | ASSY,CHANNEL THIRD MEMBER RT |     | 3A80AT09-120, 3A80AT72-240, 3A80AWC-120V, 3A81DT09-120, 3A81DT72-240               |
| 15                                                     | 2D-3B22D8411 | PAN 17-5/8 X 17-5/8 X 5-1    | 1   | 3A20AT09-120                                                                       |
|                                                        | 2D-3B82D8411 | PAN 23-3/4 X 14-38 X 5-1     |     | 3A80AT09-120, 3A80AT72-240, 3A80AWC-120V, 3A81D-120KFC, 3A81DT09-120, 3A81DT72-240 |
| 16                                                     | C9-7007086   | COVER,CATCH HFS DRAWER       | 1   |                                                                                    |
| 17                                                     | C9-3B22D0143 | DRAWER CARRIAGE ASSY w/FRONT | 1   | 3A20AT09-120                                                                       |
|                                                        | C9-3B82D0179 | ASSY, DRAWER & CARRIAGE      |     | 3A80AT09-120, 3A80AT72-240, 3A80AWC-120V, 3A81D-120KFC                             |
| 18                                                     | 2N-3A20A8701 | ELEMENT,HEATING 115V 450W    | 1   | 3A20AT09-120                                                                       |
|                                                        | 2N-3A81D8701 | ELEMENT,HEATING 115V 450W    |     | 3A80AT09-120, 3A80AWC-120V, 3A81DT09-120                                           |
|                                                        | 2N-3A81D8703 | ELEMENT, HEATING 220V 450W   |     | 3A80AT72-240, 3A81DT72-240                                                         |
| 19                                                     | 2W-3B22D0079 | WLDMT, CARIAGE               | 1   | 3A20AT09-120                                                                       |
|                                                        | 2W-3B82D0151 | WLDMT, CARIAGE               |     | 3A80AT09-120, 3A80AT72-240, 3A80AWC-120V, 3A81D-120KFC, 3A81DT09-120, 3A81DT72-240 |
| 20                                                     | 2C-32259     | WELD NUT 1/4-20 SS           | 4   |                                                                                    |
| 21                                                     | 2C-A27469    | WASHER,FLAT 1/4IN 7/8OD 1    | 4   |                                                                                    |
| 22                                                     | 2C-A6153     | SCR,MS HH 1/4-20X1/2 18-8    | 4   |                                                                                    |
| 23                                                     | C9-3B82D4065 | DRAWER,FRT BRKT-LT           | 1   |                                                                                    |
| 24                                                     | C9-3B82D4063 | BRACKET,DRAWER FRONT RT      | 1   |                                                                                    |
| 25                                                     | 2C-2001347   | NUT,KEPS 8-32 ZP             | 3   |                                                                                    |
| 26                                                     | C9-3B82D0175 | ASSY,CATCH BRACKET & TRUS    | 1   |                                                                                    |
| 27                                                     | 2P-3B82D8401 | SPRING,DRAWER CATCH          | 1   |                                                                                    |
| 28                                                     | 2A-3B82D8311 | SPACER,DRAWER FRONT,3/16X    | 3   |                                                                                    |
| 29                                                     | C9-7608910   | ASSY,DRAWER CUP HANDLE       | 1   |                                                                                    |
| 31                                                     | 2R-3101758   | HANDLE,DRAWER                | 1   |                                                                                    |
| 30                                                     | 2C-35492     | SCR,MS SLT FH 8-32X1/2 NP    | 2   |                                                                                    |

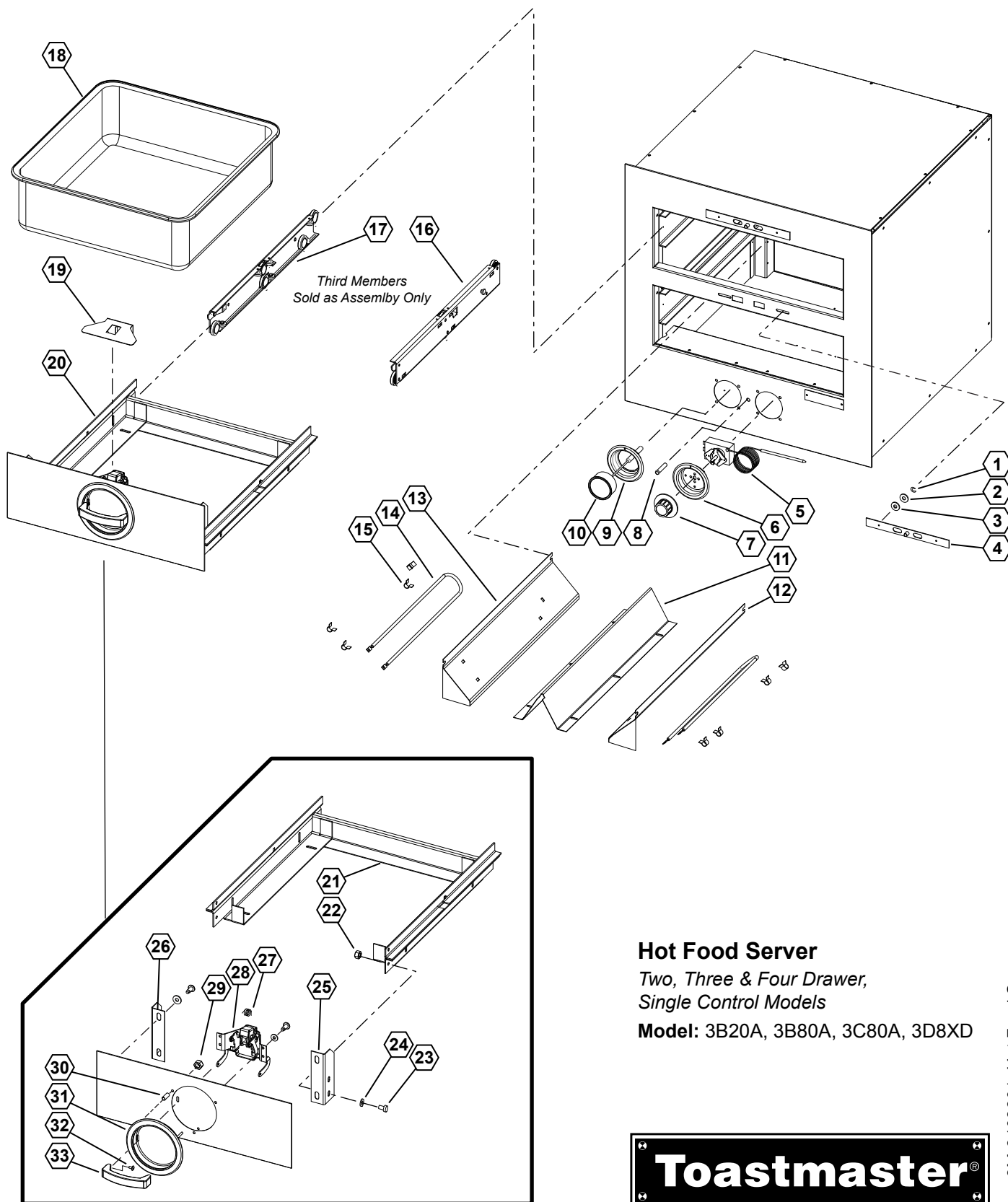
# PARTS LIST

(08/2018) Rev. D

| ONE DRAWER HOT FOOD SERVER MODELS: 3A20A, 3A80A, 3A81D |              |                              |     |                                                                      |
|--------------------------------------------------------|--------------|------------------------------|-----|----------------------------------------------------------------------|
| Fig No                                                 | Part No.     | Description                  | Qty | Application                                                          |
| 32                                                     | C9-3B72D0147 | ASSY,FRONT & CATCH DRAWER    | 1   | 3A20AT09-120                                                         |
|                                                        | C9-3B82D0177 | ASSY, DRAWER FRONT & CATCH   |     | 3A80AT09-120, 3A80AT72-240, 3A80AWC-120V, 3A81DT09-120, 3A81DT72-240 |
| NI                                                     | 2K-3002648   | BUSHING, HEYCO STRAIGHT      | 1   | 3A81D-120KFC                                                         |
| NI                                                     | 2K-B212E8717 | BUSHING, STRAIN RELIEF       | 1   | 3A81DT09-120                                                         |
| NI                                                     | C9-3A80A3009 | COVER,BOTTOM                 | 1   | 3A20AT09-120, 3A80AT09-120, 3A80AT72-240, 3A80AWC-120V               |
| NI                                                     | C9-7605845   | ASSY, CORDSET (5-15P) 125V15 | 1   | 3A81D-120KFC, 3A81DT09-120                                           |
| NI                                                     | C9-7610652   | ASSY, CORDSET(6-15P) 250V15  | 1   | 3A81DT72-240                                                         |
| NI                                                     | C9-TC0049    | CORD ASSY 120V 5-15P 8FT     | 1   | 3A80AWC-120V                                                         |
| WIRING DIAGRAMS                                        |              |                              |     |                                                                      |
| NI                                                     | C9-3A20A8905 | DIAGRAM,WIRING 115V          | 1   | 3A20AT09-120, 3A80AT09-120, 3A80AWC-120V                             |
| NI                                                     | C9-3A20A8907 | DIAGRAM, WIRING 230V         | 1   | 3A80AT72-240                                                         |
| NI                                                     | C9-3A81D8901 | DIAGRAM, WIRING 115V         | 1   | 3A81D-120KFC                                                         |
| NI                                                     | C9-3A81D8905 | DIAGRAM, WIRING 220V         | 1   | 3A81DT72-240                                                         |
| INSTALL INSTRUCTIONS                                   |              |                              |     |                                                                      |
| NI                                                     | C9-3200085   | INST,INSTALL 3A20 HFS        | AR  | 3A20AT09-120, 3A80AT09-120                                           |

2M-3102301; Hot Food Server





## Hot Food Server

Two, Three & Four Drawer,  
Single Control Models

Model: 3B20A, 3B80A, 3C80A, 3D8XD

**Toastmaster®**

IL2098, Rev. A 5/6/2011

2M-3102301; Hot Food Server

# PARTS LIST

(08/2018) Rev. D

| SINGLE CONTROLS, HOT FOOD SERVER MODELS: 3B20AT, 3B80AT, 3B82DT, 3C80AT, 3D8XDT |              |                           |          |                                                                                    |
|---------------------------------------------------------------------------------|--------------|---------------------------|----------|------------------------------------------------------------------------------------|
| Fig No.                                                                         | Part Number  | Description               | Quantity | Application                                                                        |
| 1                                                                               | 2C-B102851   | RING,RETAINING            | 8        | 3B20AT09-120, 3B20AT72-240                                                         |
|                                                                                 |              |                           | 12       | 3B80AWC-120V, 3C80AT                                                               |
|                                                                                 |              |                           | 16       | 3B80AT,3B82DT, 3D8XDT09-120                                                        |
|                                                                                 |              |                           | 24       | 3D8XDT72-240                                                                       |
| 2                                                                               | 2C-3B82D8827 | WASHER,FLAT 7/16          | 4        | 3B20AT, 3B80AT                                                                     |
|                                                                                 |              |                           | 6        | 3C80AT                                                                             |
|                                                                                 |              |                           | 8        | 3D8XDT                                                                             |
| 3                                                                               | 2C-2001748   | WASHER, SPRING #10        | 4        | 3B20AT, 3B80AT, 3B82DT                                                             |
|                                                                                 |              |                           | 6        | 3C80AT                                                                             |
|                                                                                 |              |                           | 8        | 3D8XDT                                                                             |
| 4                                                                               | 2R-7610283   | ASSY,VENT SLIDE HFS       | 2        | 3B20AT, 3B80AT, 3B82DT                                                             |
|                                                                                 |              |                           | 3        | 3C80AT                                                                             |
|                                                                                 |              |                           | 4        | 3D8XDT                                                                             |
| 5                                                                               | 2T-3B70A8929 | THERMOSTAT,100-200F       | 1        | ALL                                                                                |
| 6                                                                               | C9-1523B0001 | WLDMT,CONTROL CUP         | 1        | ALL                                                                                |
| 7                                                                               | 2R-2100087   | KNOB,TSTAT OFF & 0-10     | 1        | ALL                                                                                |
| 8                                                                               | C9-3B82D0181 | ASSY, LIGHT SIGNAL 230V   | 1        | 3B20AT72-240, 3B80AT72-240, 3C80AT72-240, 3D8XDT72-240                             |
|                                                                                 | C9-TC0069    | LIGHT,SIGNAL ASSY RED-115 |          | 3B20AT09-120, 3B80AT09-120, 3B80AWC-120V, 3B82DT09-CFA, 3C80AT09-120, 3D8XDT09-120 |
| 9                                                                               | C9-7609086   | WLDMT,CUP THERMOMETER MTG | 1        | ALL                                                                                |
| 10                                                                              | 2T-3004112   | THERMOMETER               | 1        | ALL                                                                                |
| 11                                                                              | C9-7007051   | GUARD,WIRE (FRT-BACK)     | 1        | 3B20AT09-120, 3B20AT72-240                                                         |
|                                                                                 | C9-7007053   |                           |          | 3B80AT, 3B80AWC, 3C80AT, 3D8XDT                                                    |
| 12                                                                              | C9-3B22D0029 | ASSY,SHEATH ELEMENT RIGHT | 1        | 3B20AT                                                                             |
|                                                                                 | C9-3B82D0047 |                           |          | 3B80AT, 3B80AWC, 3B82DT, 3C80AT, 3D8XDT                                            |
| 13                                                                              | C9-3B22D0031 | ASSY,SHEATH ELEMENT LEFT  | 1        | 3B20AT                                                                             |
|                                                                                 | C9-3B82D0049 |                           |          | 3B80AT, 3B80AWC, 3B82DT, 3C80AT, 3D8XDT                                            |
| 14                                                                              | 2N-3B82D8701 | ELEMENT,HEATING 110V 500W | 2        | 3B20AT, 3B80AT, 3B80AWC-120V, 3B82DT09-CFA                                         |
|                                                                                 | 2N-3D8XD8701 |                           |          | 3C80AT, 3D8XDT                                                                     |
| 15                                                                              | 2C-30397     | CLIP ELEM M P             | 8        | ALL                                                                                |
| 16                                                                              | C9-3B22D0041 | ASSY,CHANNEL THIRD MEMBER | 2        | 3B20AT                                                                             |
|                                                                                 | C9-3B82D0067 | ASSY,CHANNEL THIRD MEMBER |          | 3B80AT, 3B80AWC, 3B82DT                                                            |
|                                                                                 |              |                           | 3        | 3C80AT                                                                             |
|                                                                                 |              |                           | 4        | 3D8XDT                                                                             |
| 17                                                                              | C9-3B22D0045 | ASSY,CHANNEL THIRD MEMBER | 2        | 3B20AT                                                                             |
|                                                                                 | C9-3B82D0069 | ASSY,CHANNEL THIRD MEMBER |          | 3B80AT, 3B80AWC, 3B82DT                                                            |
|                                                                                 |              |                           | 3        | 3C80AT                                                                             |
|                                                                                 |              |                           | 4        | 3D8XDT                                                                             |
| 18                                                                              | 2D-3B22D8411 | PAN 17-5/8 X 17-5/8 X 5-1 | 2        | 3B20AT                                                                             |
|                                                                                 | 2D-3B82D8411 | PAN 23-3/4 X 14-3/8 X 5-1 |          | 3B80AT, 3B80AWC, 3B82DT                                                            |
|                                                                                 |              |                           | 3        | 3C80AT                                                                             |
|                                                                                 |              |                           | 4        | 3D8XDT                                                                             |

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| SINGLE CONTROLS, HOT FOOD SERVER MODELS: 3B20AT, 3B80AT, 3B82DT, 3C80AT, 3D8XDT |              |                           |          |                                                  |
|---------------------------------------------------------------------------------|--------------|---------------------------|----------|--------------------------------------------------|
| Fig No.                                                                         | Part Number  | Description               | Quantity | Application                                      |
| 19                                                                              | C9-7007086   | COVER,CATCH HFS DRAWER    | 2        | 3B20AT, 3B80AT, 3B80AWC, 3B82DT                  |
|                                                                                 |              |                           | 3        | 3C80AT                                           |
|                                                                                 |              |                           | 4        | 3D8XDT                                           |
| 20                                                                              | C9-3B22D0143 | DWR CARROAGE ASSY W/FRONT | 2        | 3B20AT                                           |
|                                                                                 | C9-3B82D0179 | ASSY, DRAWER CARRIAGE     | 2        | 3B80AT, 3B82DT                                   |
|                                                                                 |              |                           | 3        | 3C80AT                                           |
|                                                                                 |              |                           | 4        | 3D8XDT                                           |
| 21                                                                              | 2W-3B22D0079 | WLDMT, CARIAGE            | 2        | 3B20AT09-120, 3B20AT72-240                       |
|                                                                                 | 2W-3B82D0151 | WLDMT, CARIAGE            |          | 3B80AT09-120, 3B80AT72-240, 3B80AWC-120V, 3B82DT |
|                                                                                 |              |                           | 3        | 3C80AT                                           |
|                                                                                 |              |                           | 4        | 3D8XDT                                           |
| 22                                                                              | 2C-32259     | WELD NUT 1/4-20 SS        | 8        | 3B20AT, 3B80AT, 3B82DT                           |
|                                                                                 |              |                           | 12       | 3C80AT                                           |
|                                                                                 |              |                           | 16       | 3D8XDT                                           |
| 23                                                                              | 2C-A6153     | SCR,MS HH 1/4-20X1/2 18-8 | 8        | 3B20AT                                           |
|                                                                                 |              |                           | 16       | 3B80AT, 3B82DT                                   |
|                                                                                 |              |                           | 24       | 3C80AT                                           |
| 24                                                                              | 2C-A27469    | WASHER,FLAT 1/4IN 7/8OD 1 | 8        | 3B20AT, 3C80AT                                   |
|                                                                                 |              |                           | 16       | 3B80AT, 3B80AWC, 3B82DT                          |
|                                                                                 |              |                           | 32       | 3D8XDT                                           |
| 25                                                                              | C9-3B82D4063 | BRACKET,DRAWER FRONT RT   | 2        | 3B20AT, 3B80AT, 3B80AWC                          |
|                                                                                 |              |                           | 4        | 3C80AT, 3B82DT                                   |
|                                                                                 |              |                           | 6        | 3D8XDT                                           |
| 26                                                                              | C9-3B82D4065 | DRAWER,FRT BRKT-LT        | 2        | 3B20AT, 3B80AT, 3B80AWC, 3B82DT                  |
|                                                                                 |              |                           | 4        | 3C80AT                                           |
|                                                                                 |              |                           | 6        | 3D8XDT                                           |
| 27                                                                              | 2P-3B82D8401 | SPRING,DRAWER CATCH       | 2        | 3B20AT, 3B80AT, 3B82DT                           |
|                                                                                 |              |                           | 3        | 3C80AT                                           |
|                                                                                 |              |                           | 4        | 3D8XDT                                           |
| 28                                                                              | C9-3B82D0175 | ASSY,CATCH BRACKET & TRUS | 2        | 3B20AT, 3B80AT, 3B80AWC, 3B82DT                  |
|                                                                                 |              |                           | 3        | 3C80AT                                           |
| 29                                                                              | 2C-2001347   | NUT,KEPS 8-32 ZP          | 6        | 3B20AT, 3B80AT, 3B82DT                           |
|                                                                                 |              |                           | 9        | 3C80AT                                           |
|                                                                                 |              |                           | 12       | 3D8XDT                                           |
| 30                                                                              | 2A-3B82D8311 | SPACER,DRAWER FRONT,3/16X | 6        | 3B20AT, 3B80AT, 3B82DT                           |
|                                                                                 |              |                           | 9        | 3C80AT                                           |
|                                                                                 |              |                           | 12       | 3D8XDT                                           |
| 31                                                                              | C9-7608910   | ASSY,DRAWER CUP HANDLE    | 2        | 3B20AT, 3B80AT, 3B80AWC, 3B82DT                  |
|                                                                                 |              |                           | 3        | 3C80AT                                           |
|                                                                                 |              |                           | 4        | 3D8XDT                                           |
| 32                                                                              | 2C-3023A8811 | SCR,MS SLT FH 8-32X1/2 NP | 4        | 3B20AT, 3B80AT, 3B82DT                           |
|                                                                                 |              |                           | 6        | 3C80AT                                           |
|                                                                                 |              |                           | 8        | 3D8XDT                                           |
| 33                                                                              | 2R-3101758   | HANDLE,DRAWER             | 2        | 3B20AT, 3B80AT, 3B82DT                           |
|                                                                                 |              |                           | 3        | 3C80AT                                           |
|                                                                                 |              |                           | 4        | 3D8XDT                                           |

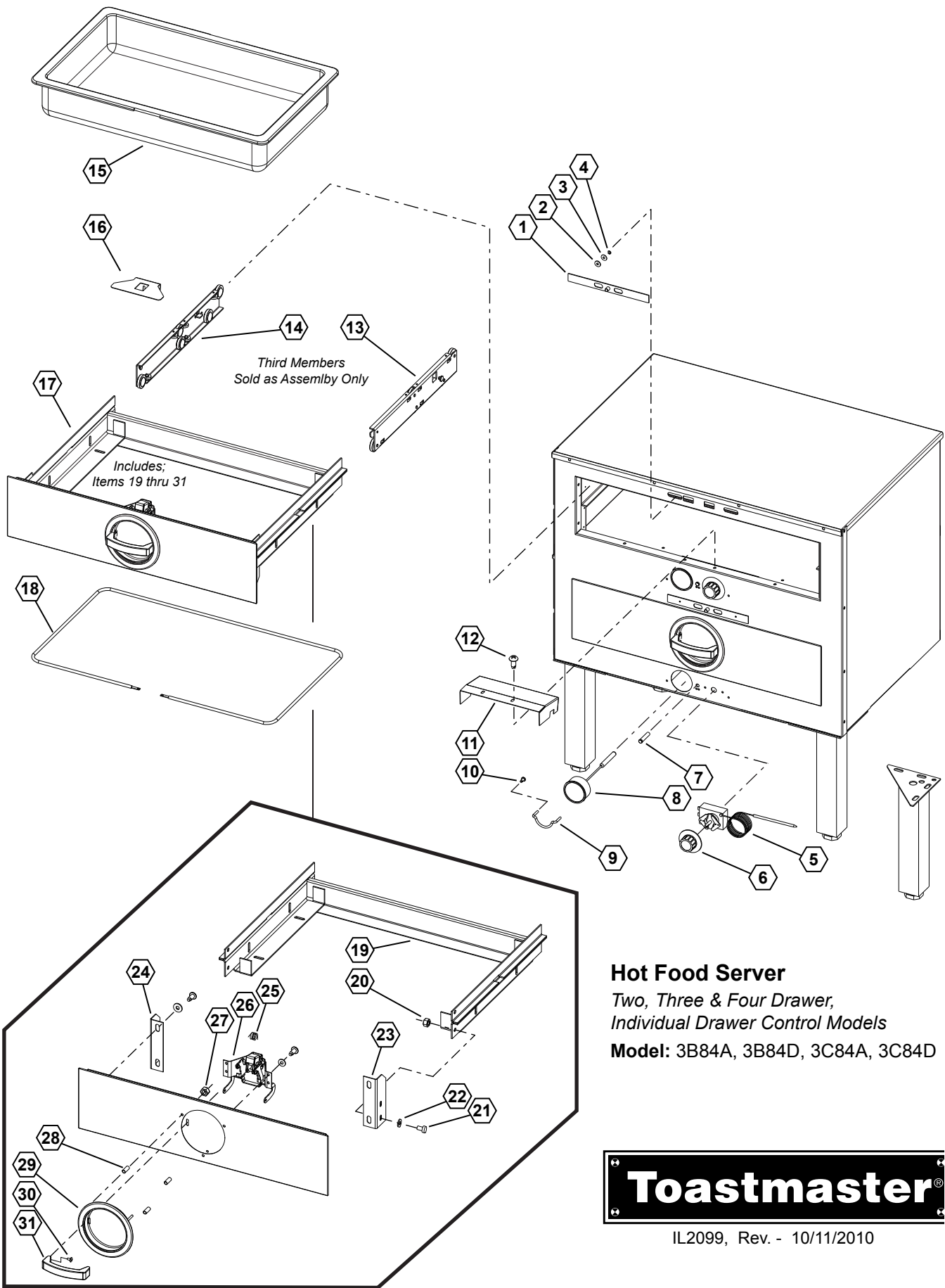
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| SINGLE CONTROLS, HOT FOOD SERVER MODELS: 3B20AT, 3B80AT, 3B82DT, 3C80AT, 3D8XDT |              |                              |          |                                                                      |
|---------------------------------------------------------------------------------|--------------|------------------------------|----------|----------------------------------------------------------------------|
| Fig No.                                                                         | Part Number  | Description                  | Quantity | Application                                                          |
| 34                                                                              | C9-3B72D0147 | ASSY,FRONT & CATCH DRAWER    | 2        | 3B20AT                                                               |
|                                                                                 | C9-3B82D0177 | ASSY,DRAWER FRONT CATCH      |          | 3B80AT, 3B82DT                                                       |
|                                                                                 |              |                              | 3        | 3C80AT                                                               |
|                                                                                 |              |                              | 4        | 3D8XDT                                                               |
| NI                                                                              | 2K-31040     | BUSHING HEYCO 7/8 OD         | 1        | 3B80AWC-120V, 3B82DT09-CFA                                           |
| NI                                                                              | 2K-B212E8717 | BUSHING, STRAIN RELIEF       | 1        | 3D8XDT                                                               |
| NI                                                                              | C9-1511E0029 | ASSY, CORDSET(5-15P)125V15   | 1        | 3D8XDT09-120                                                         |
| NI                                                                              | C9-1511E0031 | ASSY, CORDSET-250V15A 3' 6I  | 1        | 3D8XDT72-240                                                         |
| NI                                                                              | C9-TC0048    | CORD SET ASSY 16-3 HSJO      | 1        | 3B80AWC-120V, 3B82DT09-CFA                                           |
| NI                                                                              | 2P-Z20782    | 4-5/8" SWIVEL CASTER w/BRAKE | 2        | 3B82DT09-CFA                                                         |
| NI                                                                              | 2P-Z20783    | 4-5/8" SWIVEL CASTER         | 2        | 3B82DT09-CFA                                                         |
| WIRING DIAGRAMS                                                                 |              |                              |          |                                                                      |
| AR                                                                              | C9-3B20A8905 | DIAGRAM,WIRING 115V          | 1        | 3B20AT09-120, 3B80AT09-120, 3B80AWC-120V, 3C80AT09-120, 3B82DT09-CFA |
| AR                                                                              | C9-3B20A8911 | DIAGRAM, WIRING 220V         | 1        | 3B20AT72-240, 3B80AT72-240, 3C80AT72-240                             |
| AR                                                                              | C9-3B22D8911 | DIAGRAM, WIRING 220V         | 1        | 3D8XDT72-240                                                         |
| AR                                                                              | C9-3B72D8913 | DIAGRAM, WIRING 115V         | 1        | 3D8XDT09-120                                                         |
| INSTALL INSTRUCTIONS                                                            |              |                              |          |                                                                      |
| AR                                                                              | C9-3200084   | INST,INSTALL 3B20 HFS        | AR       | 3B20AT09-120, 3B20AT72-240                                           |

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## Hot Food Server

Two, Three & Four Drawer,  
Individual Drawer Control Models

Model: 3B84A, 3B84D, 3C84A, 3C84D

**Toastmaster®**

IL2099, Rev. - 10/11/2010

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| SEPARATE DRAWER CONTROLS, HOT FOOD SERVER MODELS: 3B84A, 3B84D, 3C84A, 3D84D |              |                           |          |                                          |
|------------------------------------------------------------------------------|--------------|---------------------------|----------|------------------------------------------|
| Fig No.                                                                      | Part No      | Description               | Quantity | Application                              |
| 1                                                                            | 2R-7610283   | ASSY,VENT SLIDE HFS       | 2        | 3B84A, 3B84D                             |
|                                                                              |              |                           | 3        | 3C84A, 3C84D                             |
| 2                                                                            | 2C-2001863   | WASHER,FLAT .203X.63OX.05 | 4        | 3B84A, 3B84D                             |
|                                                                              |              |                           | 6        | 3C84A, 3C84D                             |
| 3                                                                            | 2C-2001748   | WASHER,SPRING #10         | 4        | 3B84A, 3B84D                             |
|                                                                              |              |                           | 6        | 3C84A, 3C84D                             |
| 4                                                                            | 2C-B102851   | RING,RETAINING            | 12       | 3B84AT09-120                             |
| 5                                                                            | 2T-3B70A8929 | THERMOSTAT,100-200F       | 2        | 3B84A, 3B84D                             |
|                                                                              |              |                           | 3        | 3C84A, 3C84D                             |
| 6                                                                            | 2R-2100087   | KNOB,TSTAT OFF & 0-10     | 2        | 3B84A, 3B84D                             |
|                                                                              |              |                           | 3        | 3C84A, 3C84D                             |
| 7                                                                            | C9-TC0069    | LIGHT,SIGNAL ASSY RED-115 | 2        | 3B84AT09-120, 3B84DT09-120, 3B84DT09-KFC |
|                                                                              |              |                           | 3        | 3C84AT09-120, 3C84DT09-120, 3C84DT09-120 |
|                                                                              | C9-E336A0116 | ASSY,LIGHT SIGNAL RED 250 | 2        | 3B84AT72-240 / -SA, 3B84DT72-240         |
|                                                                              |              |                           | 3        | 3C84DT72-240, 3C84AT72-240               |
| 8                                                                            | 2T-3004112   | THERMOMETER               | 2        | 3B84A, 3B84D                             |
|                                                                              |              |                           | 3        | 3C84A, 3C84D                             |
| 9                                                                            | 2R-2600068   | BLANK,GUARD KNOB CONTROL  | 4        | 3B84A, 3B84D                             |
|                                                                              |              |                           | 6        | 3C84A, 3C84D                             |
| 10                                                                           | 2C-K1DS195   | KNOB GUARD SCREW          | 8        | 3B84A, 3B84D                             |
|                                                                              |              |                           | 12       | 3C84A, 3C84D                             |
| 11                                                                           | C9-7005899   | COVER,T'STAT              | 2        | 3B84A, 3B84D                             |
|                                                                              |              |                           | 3        | 3C84A, 3C84D                             |
| 12                                                                           | 2C-35487     | SCREW 8-32X5/16 PH TR HD  | 4        | 3B84A, 3B84D                             |
|                                                                              |              |                           | 6        | 3C84A, 3C84D                             |
| 13                                                                           | C9-3B82D0067 | ASSY,CHANNEL THIRD MEMBER | 2        | 3B84A, 3B84D                             |
|                                                                              |              |                           | 3        | 3C84A, 3C84D                             |
| 14                                                                           | C9-3B82D0069 | ASSY,CHANNEL THIRD MEMBER | 2        | 3B84A, 3B84D                             |
|                                                                              |              |                           | 3        | 3C84A, 3C84D                             |
| 15                                                                           | 2D-3B82D8411 | PAN 23-3/4 X 14-3/8 X 5-1 | 2        | 3B84A, 3B84D                             |
|                                                                              |              |                           | 3        | 3C84A, 3C84D                             |
| 16                                                                           | C9-7007086   | COVER,CATCH HFS DRAWER    | 2        | 3B84A, 3B84D                             |
|                                                                              |              |                           | 3        | 3C84A, 3C84D                             |
| 17                                                                           | C9-3B82D0179 | ASSY,DRAWER CARRIAGE      | 2        | 3B84A, 3B84D                             |
|                                                                              |              |                           | 3        | 3C84A, 3C84D                             |
| 18                                                                           | 2N-3A81D8701 | ELEMENT,HEATING 115V 450W | 2        | 3B84AT09-120, 3B84DT09-120, 3B84DT09-KFC |
|                                                                              |              |                           | 3        | 3C84AT09-120, 3C84AT09-120, 3B84DT09-120 |
|                                                                              | 2N-3A81D8703 | ELEMENT,HEATING 220V 450W | 2        | 3B84AT72-240 / -SA, 3B84DT72-240         |
|                                                                              |              |                           | 3        | 3C84AT72-240, 3C84DT72-240               |
| 19                                                                           | 2W-3B82D0151 | WLDMT,CARRIAGE            | 2        | 3B84A, 3B84D                             |
|                                                                              |              |                           | 3        | 3C84A, 3C84D                             |
| 20                                                                           | 2C-32259     | WELD NUT 1/4-20 SS        | 8        | 3B84A, 3B84D                             |
|                                                                              |              |                           | 12       | 3C84A, 3C84D                             |
| 21                                                                           | 2C-A6153     | SCR,MS HH 1/4-20X1/2 18-8 | 16       | 3B84A, 3B84D                             |
|                                                                              |              |                           | 24       | 3C84A, 3C84D                             |
| 22                                                                           | 2C-A27469    | WASHER,FLAT 1/4IN 7/8OD 1 | 16       | 3B84A, 3B84D                             |
|                                                                              |              |                           | 24       | 3C84A, 3C84D                             |

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| Separate Drawer Controls, Hot Food Server Models: 3B84A, 3B84D, 3C84A, 3D84D |              |                            |          |                            |
|------------------------------------------------------------------------------|--------------|----------------------------|----------|----------------------------|
| Fig No.                                                                      | Part No      | Description                | Quantity | Application                |
| 23                                                                           | C9-3B82D4065 | DRAWER,FRT BRKT-LT         | 2        | 3B84AT09-120               |
| 24                                                                           | C9-3B82D4063 | BRACKET,DRAWER FRONT RT    | 2        | 3B84AT09-120               |
| 25                                                                           | 2P-3B82D8401 | SPRING,DRAWER CATCH        | 2        | 3B84A, 3B84D               |
|                                                                              |              |                            | 3        | 3C84A, 3C84D               |
| 26                                                                           | C9-3B82D0175 | ASSY,CATCH BRACKET & TRUS  | 2        | 3B84A, 3B84D               |
|                                                                              |              |                            | 3        | 3C84A, 3C84D               |
| 27                                                                           | 2C-2001347   | NUT,KEPS 8-32 ZP           | 6        | 3B84A, 3B84D               |
|                                                                              |              |                            | 9        | 3C84A, 3C84D               |
| 28                                                                           | 2A-3B82D8311 | SPACER,DRAWER FRONT,3/16X  | 6        | 3B84A, 3B84D               |
|                                                                              |              |                            | 9        | 3C84A, 3C84D               |
| 29                                                                           | C9-7608910   | ASSY,DRAWER CUP HANDLE     | 2        | 3B84A, 3B84D               |
|                                                                              |              |                            | 3        | 3C84A, 3C84D               |
| 30                                                                           | 2C-35492     | SCR,MS SLT FH 8-32X1/2 NP  | 4        | 3B84A, 3B84D               |
|                                                                              |              |                            | 6        | 3C84A, 3C84D               |
| 31                                                                           | 2R-3101758   | HANDLE,DRAWER              | 2        | 3B84A, 3B84D               |
|                                                                              |              |                            | 3        | 3C84A, 3C84D               |
| 32                                                                           | C9-3B82D0177 | ASSY,DRAWER FRONT & CATCH  | 2        | 3B84A, 3B84D               |
|                                                                              |              |                            | 3        | 3C84A, 3C84D               |
| NI                                                                           | 2A-Z0314     | FOOT, 4" DIE CAST          | 4        | 3B84DT09-120, 3B84DT72-240 |
| NI                                                                           | 2B-55036     | RACK,DIVIDER 15 SECTION    | 2        | 3B84DT09-KFC               |
| NI                                                                           | 2K-45609     | BUSHING HEYCO 3/8 ID .500  | 1        | 3B84DT09-120               |
| NI                                                                           | 2K-B212E8717 | BUSHING,STRAIN RELIEF      | 1        | 3B84AT09-120               |
| NI                                                                           | C9-45005     | KIT, KFC SWVL CASTER W/BRK | 1        | 3B84DT09-KFC               |
| NI                                                                           | C9-7605845   | ASSY,CORDSET(5-15P)125V15  | 1        | 3B84DT09-120               |
| NI                                                                           | C9-7610652   | ASSY,CORDSET(6-15P)250V15  | 1        | 3B84DT72-240, 3C84DT72-240 |
| WIRING DIAGRAMS                                                              |              |                            |          |                            |
| AR                                                                           | C9-8000358   | DIAGRAM, WIRING 120 3C84A  | 1        | 3C84AT09-120               |
| AR                                                                           | C9-8000358-1 | DIAGRAM, WIRING 208/240V   | 1        | 3C84AT72-240               |
| AR                                                                           | C9-8000358-2 | DIAGRAM, WIRING 120V 3C84D | 1        | 3C84DT09-120               |
| AR                                                                           | C9-8000358-3 | DIAGRAM, WIRING 208/240V   | 1        | 3C84DT72-240               |
| AR                                                                           | C9-8000361   | DIAGRAM, WIRING 120V       | 1        | 3B84AT09-120               |
| INSTALL INSTRUCTIONS                                                         |              |                            |          |                            |
| NI                                                                           | C9-3102206   | INST,INSTALL,3B84 & 3C84   | AR       | 3B84AT, 3C84AT             |
| ACCESSORIES                                                                  |              |                            |          |                            |
|                                                                              | 7C-3L6       | LEG SET 6" ADJ FOOT HFS    |          |                            |
|                                                                              | 7C-3L9       | LEG SET 9" ADJ FOOT HFS    |          |                            |
|                                                                              | 7C-3L12      | LEG SET 12" ADJ FOOT HFS   |          |                            |
|                                                                              | 7C-3L15      | LEG SET 15" SDJ FOOT HFS   |          |                            |
|                                                                              | 7C-3M3       | CASTER KIT 3" SWIVEL       |          |                            |
|                                                                              | 7C-3M4       | CASTER SET (2 SWVL, 2 RDG) |          |                            |
|                                                                              | 7C-3M338STSB | CASTER SET (4) 2 w/BRK     |          |                            |

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**STAR INTERNATIONAL HOLDINGS INC. COMPANY**

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