

MANUFACTURING
NUMBERS:

9500410
9500412

roundup
FOOD EQUIPMENT DIVISION

CORN CAROUSEL

Model CC-19

Series 9500400



P/N 1010730 10/99



Owner's Manual

TABLE OF CONTENTS

Owner Information	1	Operation	6
<i>General</i>	1	<i>Operating Instructions</i>	6
<i>Warranty Information</i>	1	<i>Hi-Limit Reset</i>	6
<i>Service/Technical Assistance</i>	2	Maintenance	6
Important Safety Information	2	<i>Cleaning</i>	6
Specifications	4	<i>Replacing Components</i>	6
<i>Electrical Ratings</i>	4	Troubleshooting	8
<i>Electrical Cord & Plug Configurations</i>	4	Wiring Diagram	9
<i>Capacities</i>	4	Replacement Parts	10-11
<i>Shipping Weight</i>	4	Warranty	<i>Back Cover</i>
<i>Dimensions</i>	4		
Installation	5		
<i>Unpacking</i>	5		
<i>Equipment Setup</i>	5		

OWNER INFORMATION

General

The Roundup Corn Carousel displays and slowly rotates hot cooked corn on the cob while maintaining temperature and basting the corn in melted butter or margarine. This unit creates impulse sales by attractively displaying the corn on the cob in an eye appealing manner, all buttered and ready to serve.

This manual provides the safety, installation and operating procedures for the Corn Carousel. We recommend that all information contained in this manual be read prior to installing and operating the unit.

Your Corn Carousel is manufactured from the finest materials available and is assembled to Roundup's strict quality standards. This unit has been tested at the factory to ensure dependable trouble-free operation.

Warranty Information

Please read the full text of the Limited Warranty in this manual.

If the unit arrives damaged, contact the carrier immediately and file a damage claim with them. Save all packing materials when filing a claim. Freight damage claims are the responsibility of the purchaser and **are not** covered under warranty.

The warranty **does not** extend to:

- Damages caused in shipment or damage as result of improper use.
- Installation of electrical service.
- Normal maintenance as outlined in this manual.
- Malfunction resulting from improper maintenance.
- Damage caused by abuse or careless handling.
- Damage from moisture into electrical components
- Damage from tampering with, removal of, or changing any preset control or safety device.

**IMPORTANT! Keep these instructions for future reference.
If the unit changes ownership, be sure this manual accompanies the equipment.**

OWNER INFORMATION (continued)

Service/Technical Assistance

If you experience any problems with the installation or operation of your unit, contact your local Roundup Authorized Service Agency.

Fill in the information below and have it handy when calling your authorized service agency for assistance. The serial number is on the specification plate located on the unit.

Purchased From: _____

Date of Purchase: _____

Model No.: _____

Serial No.: _____

Mfg. No.: _____

Refer to the service agency directory included with your unit.

Authorized Service Agency

Name: _____

Phone No.: _____

Address: _____



Use only genuine Roundup replacement parts in this unit. Use of replacement parts other than those supplied by the manufacturer will void the warranty. Your Authorized Service Agency has been factory trained and has a complete supply of parts for this unit.



You may also contact the factory at **1-877-392-7854** if you have trouble locating your local authorized service agency.



A.J. Antunes & Co. 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.



IMPORTANT SAFETY INFORMATION

Throughout this manual, you will find the following safety words and symbols that signify important safety issues with regards to operating or maintaining the equipment.

 WARNING 
GENERAL WARNING. Indicates information important to the proper operation of the equipment. Failure to observe may result in damage to the equipment and/or severe bodily injury or death.

 WARNING 
ELECTRICAL WARNING. Indicates information relating to possible shock hazard. Failure to observe may result in damage to the equipment and/or severe bodily injury or death.

 CAUTION 
GENERAL CAUTION. Indicates information important to the proper operation of the equipment. Failure to observe may result in damage to the equipment.

 WARNING 
HOT SURFACE WARNING. Indicates information important to the handling of equipment and parts. Failure to observe caution could result in personal injury.

In addition to the warnings and cautions in this manual, use the following guidelines for safe operation of the unit.

- Read all instructions before using equipment.
- For your safety, the equipment is furnished with a properly grounded cord connector. Do not attempt to defeat the grounded connector.
- Install or locate the equipment only for its intended use as described in this manual. Do not use corrosive chemicals in this equipment.
- Do not operate this equipment if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
- This equipment should be serviced by qualified personnel only. Contact the nearest Roundup authorized service facility for adjustment or repair.
- Do not block or cover any openings on the unit.
- Do not immerse cord or plug in water.
- Keep cord away from heated surfaces.
- Do not allow cord to hang over edge of table or counter.

The following warnings and cautions appear throughout this manual and should be carefully observed.

- **Turn the unit off, disconnect the power source and allow unit to cool down before performing any service or maintenance on the unit.**

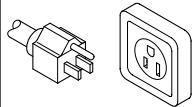
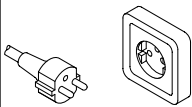
- **The procedures in this chapter may include the use of chemical products. These chemical products will be highlighted with bold face letters followed by the abbreviated HCS (Hazard Communication Standard). See Hazard Communication Standard manual for the appropriated Material Safety Data Sheets (MSDS).**
- **The unit should be grounded according to local electrical codes to prevent the possibility of electrical shock. It requires a grounded receptacle with separate electrical lines, protected by fuses or circuit breaker of the proper rating.**
- **All electrical connections must be in accordance with local electrical codes and any other applicable codes.**
- **WARNING ELECTRICAL SHOCK HAZARD. FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN SERIOUS INJURY OR DEATH.**
 - **Electrical ground is required on this appliance.**
 - **Do not modify the power supply cord plug. If it does not fit the outlet, have a proper outlet installed by a qualified electrician.**
 - **Do not use an extension cord with this appliance.**
 - **Check with a qualified electrician if you are in doubt as to whether the appliance is properly grounded.**

SPECIFICATIONS

Electrical Ratings

Voltage	Watts	Amps	Hertz
120	1000	8.3	60
220/240	1200	5.0	60

Electrical Plug Configurations

Description	Configuration
NEMA-5-15P 15 Amp, 120 VAC	
CEE 7/7 Schuko 16 Amp, 250 VAC	

⚠ CAUTION ⚠

All electrical connections must be in accordance with local electrical codes and any other applicable codes.

Capacity

Quantity ten of 6" normal size ears of corn

Shipping Weight

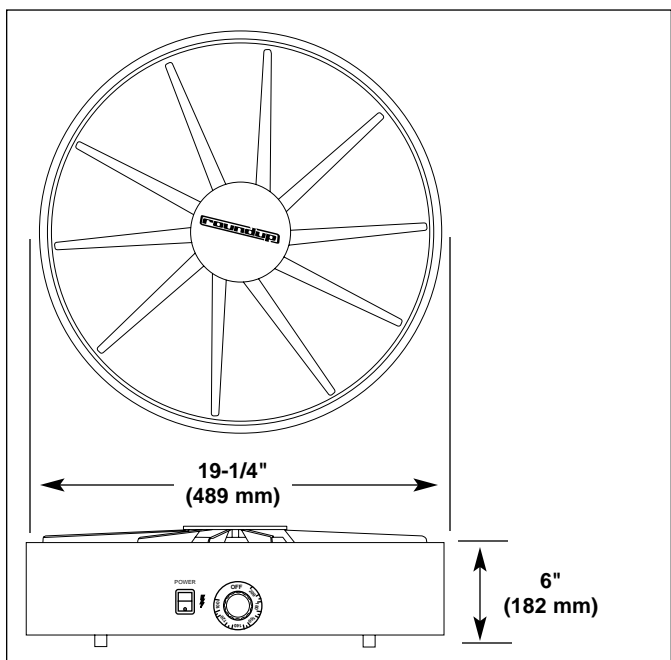
30 lbs. (13.6 kilos)

⚠ WARNING ⚠

ELECTRICAL SHOCK HAZARD. FAILURE TO FOLLOW THE INSTRUCTIONS IN THIS MANUAL COULD RESULT IN SERIOUS INJURY OR DEATH.

- Electrical ground is required on this appliance.
- Do not modify the power supply cord plug. If it does not fit the outlet, have a proper outlet installed by a qualified electrician.
- Do not use an extension cord with this appliance.
- Check with a qualified electrician if you are in doubt as to whether the appliance is properly grounded.

Dimensions



INSTALLATION

Unpacking

1. Remove unit and all packing materials from shipping carton.
2. Open the large box. Remove all packing materials and protective coverings from the unit and parts.
3. Wash driver assy. in soap and water. Wipe all surfaces of the unit with a hot damp cloth.

NOTE: Do not use a dripping wet cloth. Wring out before use.

4. Install driver assy. onto unit. Make sure it seats properly on hub spindle.

NOTE: If any parts are missing or damaged, contact Antunes Technical Service IMMEDIATELY at 1-877-392-7854.

Equipment Setup

When placing the unit into service, pay attention to the following guidelines.

- Make sure power to the unit is off and the unit is at room temperature.
- Do not block or cover any openings on the unit.
- Do not immerse cord or plug in water.
- Keep cord away from heated surfaces.
- Do not allow cord to hang over edge of table or counter.

Connect the unit to the power supply. Refer to the specification plate for the proper voltage.

⚠ CAUTION ⚠

All electrical connections must be in accordance with local electrical codes and any other applicable codes.

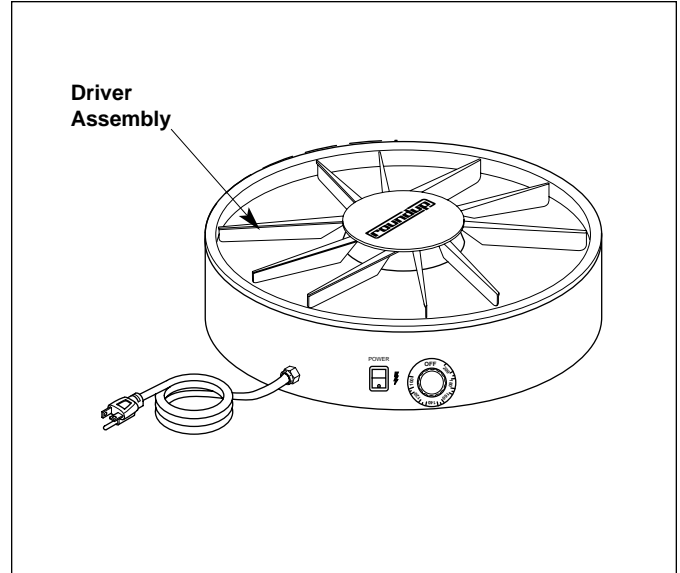


Figure 1. Corn Carousel

⚠ WARNING ⚠

ELECTRICAL SHOCK HAZARD. FAILURE TO FOLLOW THE INSTRUCTIONS IN THIS MANUAL COULD RESULT IN SERIOUS INJURY OR DEATH.

- **Electrical ground is required on this appliance.**
- **Do not modify the power supply cord plug. If it does not fit the outlet, have a proper outlet installed by a qualified electrician.**
- **Do not use an extension cord with this appliance.**
- **The unit should be grounded according to local electrical codes to prevent the possibility of electrical shock. It requires a grounded receptacle with separate electrical lines, protected by fuses or circuit breaker of the proper rating.**
- **Check with a qualified electrician if you are in doubt as to whether the appliance is properly grounded.**

OPERATION

Operating Instructions

1. Turn the rocker switch to the ON position.
2. Place the desired amount of butter or margarine onto the stainless steel base.
3. Set the temperature control to the desired setting.
4. Wait approximately 15 minutes for the butter or margarine to melt before placing the cooked corn cobs between the driving arms.

NOTE: When butter/margarine has melted, depth should not exceed 1/4".

IMPORTANT: The kernels may flatten out when corn is allowed to stay in the carousel for a long period of time. To prevent this, reduce the number of ears placed in the carousel during slow periods.. It is recommended that corn not be kept in carousel longer than 1-1/2 hours.

Hi-Limit Reset Button

A hi-limit thermostat will turn off electrical power to the heater and control circuits if the unit overheats. To reset this thermostat, allow sufficient time (10-15 min-

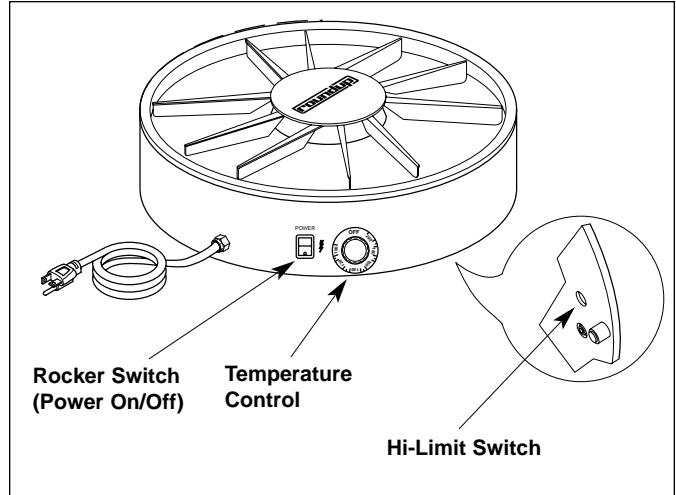


Figure 2. Controls

utes) for the unit to cool down, then depress the reset button located on the bottom of the unit (Figure 2).

If hi-limit thermostat requires continuous resetting, contact your Roundup Authorized Service Agency for service.

MAINTENANCE

⚠ WARNING ⚠

Turn the unit off, disconnect the power source and allow the unit to cool down before performing any service or maintenance on the unit.

Cleaning

1. Remove driver assy. and wash in hot detergent water. Rinse in clear water.
2. Clean stainless steel top with damp cloth, rinse, and dry with clean cloth.

⚠ CAUTION ⚠

To prevent damage to the unit, do not use abrasive cleaners on the unit.

These simple cleaning procedures should be performed after every use. To maintain the overall cleanliness of the carousel and to prevent unwanted dust from accumulating on the surface, cover the carousel when not in use.

⚠ CAUTION ⚠

Do not tilt unit on its side to drain butter or margarine. This will cause premature part failure due to seepage into the interior components.

Replacing Components

NOTE: It is recommended that all service procedures be performed by a qualified authorized service technician.

NOTE: Reference numbers in procedures correspond to replacement parts on pages 10-11.

POWER CORD REPLACEMENT

1. Turn off rocker switch (power on/off), unplug the power cord and allow the unit to cool down before proceeding.
2. Remove the adjustable legs (23), base plate (22) and insulation (21).

3. Disconnect power cord wires from terminal block.
4. Remove strain relief nut (15) from outside of unit .
5. Squeeze strain relief and pull cord out.
6. Remove nut from inside of unit and remove strain relief.
7. Reverse steps 2-6 to install new power cord and/or strain relief.
8. Re-install insulation, base plate and legs.
9. Re-install driver assy.
10. Check for proper operation before placing unit into service.

DRIVE MOTOR REPLACEMENT

1. Turn off rocker switch (power on/off), unplug the power cord and allow the unit to cool down before proceeding.
2. Remove the driver assy. (1). Unscrew the two screws (3) from top of the grill cone (4). These screws secure the motor mounting bracket to the inside of the cone.
3. Carefully turn unit over. Remove the adjustable legs (23), base plate (22) and insulation (21).
4. Disconnect the wires and carefully remove drive motor and bracket assembly.
5. Remove drive motor (10) from mounting bracket (9).
6. Assemble replacement motor to bracket and connect replacement motor wires.
7. Place the motor into the cone recess and align mounting holes. Carefully tilt the unit on end and secure motor with original screws (3).

NOTE: Make sure grommet (s) is properly seated in cone.

FAN REPLACEMENT

1. Turn off rocker switch (power on/off), unplug the power cord and allow the unit to cool down before proceeding.
2. Remove the driver assy. (1). Unscrew the two screws (3) from top of the grill cone (4). These screws secure the motor mounting bracket to the inside of the cone.
3. Carefully turn unit over. Remove the adjustable legs (23), base plate (22) and insulation (21).
4. Carefully pull fan from drive motor shaft.
5. Install replacement fan onto motor shaft with metal spring toward housing. Fan must be all the way onto shaft to allow clearance below to base plate.

▲ CAUTION ▲

Do not use excessive force or hammer to mount fan or damage to internal gear train will occur.

Make sure all wires are clear so fan blade rotates freely.

NOTE: Fan should slide on with finger pressure. If fan is too tight of a fit, drill fan hole bore to suit diameter of motor shaft.

TROUBLESHOOTING

▲ WARNING ▲

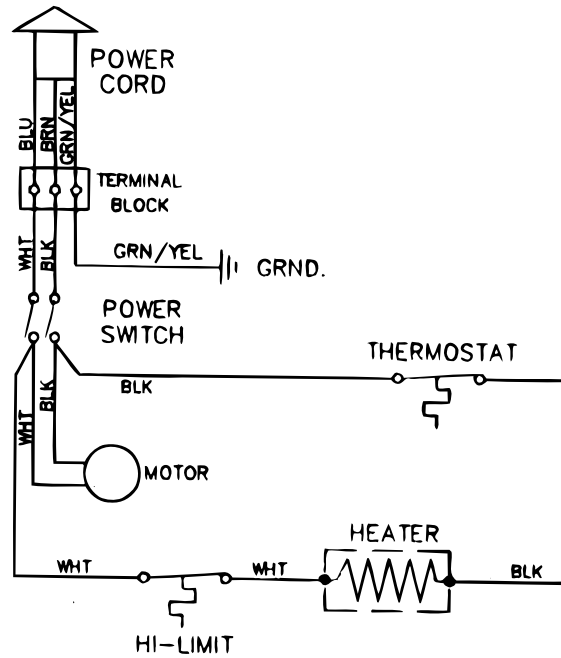
To avoid possible personal injury and/or damage to the unit, service and repair of electrical equipment should be performed by qualified service personnel. The unit should be unplugged when servicing.

Problem	Possible Cause	Corrective Action
Unit will not heat up.	Power cord not plugged in.	Plug cord into outlet.
	Circuit breaker tripped.	Reset circuit breaker.
	Hi-limit switch tripped.	Reset hi-limit switch.
	Power cord defective.	Replace power cord.
	Loose wire at switch or ground.	Tighten wires and replace if burned or charred.
	Rocker switch defective.	Replace switch.
	Heating element defective.	Replace element.
	Temperature control defective.	Replace temperature control.
	Hi-limit thermostat defective.	Replace thermostat.
Unit heats up but driver assy. will not turn.	Driver assy. not properly seated.	Push driver assy. onto hub spindle until it snaps into place.
	Faulty wiring.	Check wiring. Replace if faulty.
	Drive motor defective.	Replace motor.
Unit operates but does not heat evenly.	Loose wires at controls or heating element.	Tighten wires and replace if burned or charred.
	Heating element defective.	Replace heating element.
	Temperature control defective.	Replace temperature control.
Drive assy. does not turn smoothly.	Driver assy. not resting on level surface.	Check surface. Check driver assy. for proper seating.
	Drive motor defective.	Replace motor.
	Driver assy. catching on grill cover.	Bend arms to prevent from driver assy. from catching.
Unit runs but does not heat up adequately.	Temperature control defective.	Replace temperature control.
Unit runs but overheats.	Temperature control defective.	Replace temperature control.

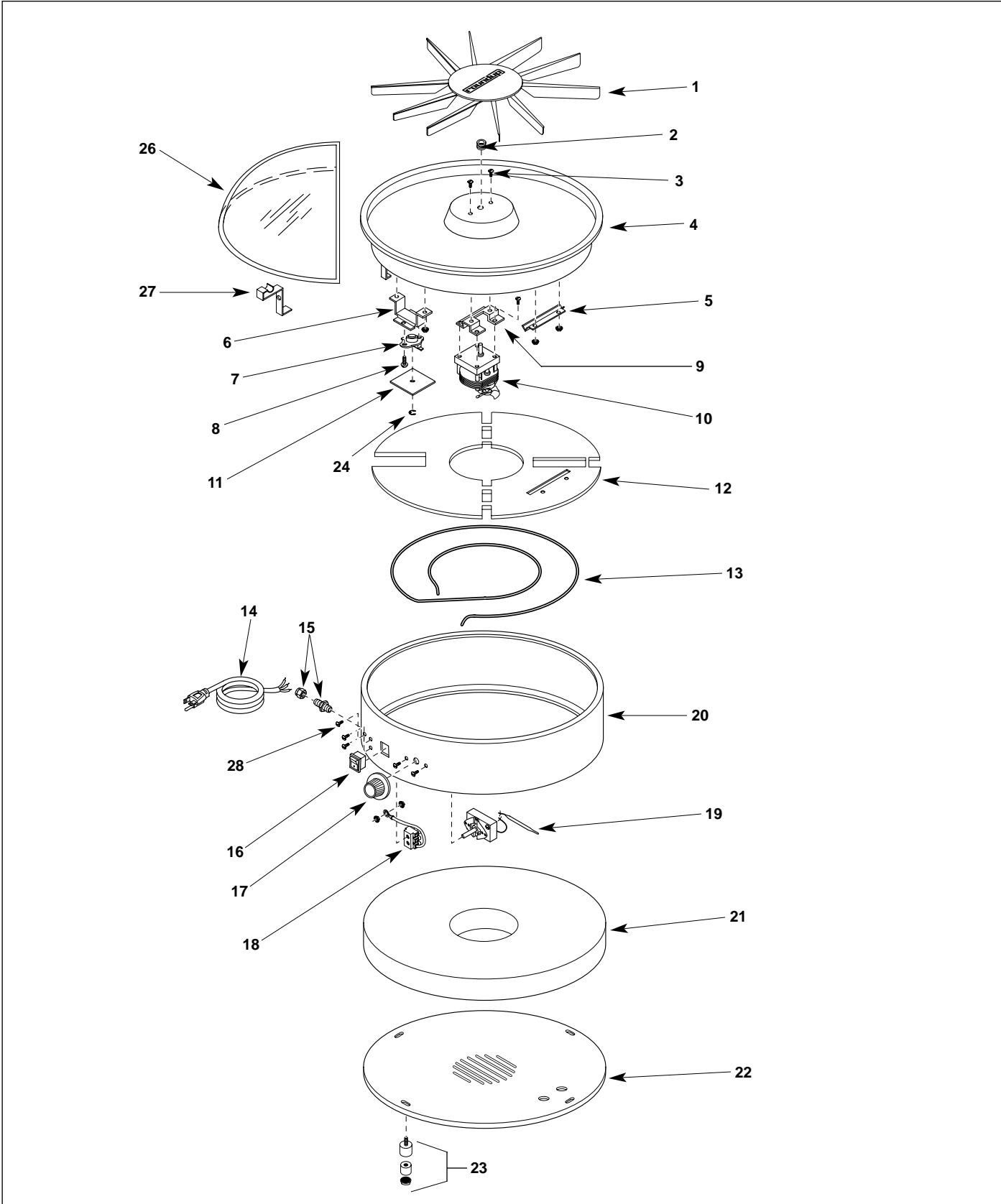
WIRING DIAGRAMS

Pictorial Wiring Diagram

NOTE: ALL WIRES TO BE 16 GA.
TFE-200°C UNLESS OTHERWISE SPECIFIED.



REPLACEMENT PARTS (continued)



Item	Part No.	Description	Qty.
1	0010241	Driver Assy.	1
2	040P109	Grommet	1
3	310P109*	Screw, #10-32 x 3/8"	8
4	0021203	Grill Cone Weldment	1
5	0503532	Retainer, Thermostat	1
6	0503522	Bracket, Hi-Limit	1
7	4030162	Hi-Limit Thermostat	1
8	308P103*	Screw, Truss Hd., #8-32 x 1/4"	2
9	0020657	Bracket, Motor	1
10	400K150	Motor, 120 Volt	1
	400K151	Motor, 220/240 Volt	1
11	0400316	Insulator, Thermostat, Hi-Limit	1
12	0503516	Heat Liner	1
13	4030111	Heating Element, 120V, 1000 Watt	1
	4030136	Heating Element, 220V, 1000 Watt	1
14	0700463	Power Cord, 120V, NEMA 5-15P	1
	0700375	Power Cord, 220/240V, CEE 7/7	1
15	040K251	Strain Relief w/Locknut	1

Item	Part No.	Description	Qty.
16	4010137	Rocker Switch, Power On/Off 220/240V	1
	4010151	Rocker Switch, Power On/Off 120V	1
17	2100110	Knob, Temperature Control, 100°-200°F	1
	2100225	Knob, Temperature Control, 40°-125°C	1
18	4060304	Terminal Block	1
19	4030103	Temperature Control, Thermostat	1
20	0503539	Skirt	1
21	0400107	Insulation	1
22	0503534	Base Plate	1
23	210K105	Adjustable Leg Kit (Incl. Qty. 4 Legs)	1
24	211P122*	Retaining Ring	1
25	0700585	Wire Set (not shown)	1
26	SG-20	Food Shield (optional)	1
27	050K118	Brackets, Food Shield (set of 3)	1
28	308P124*	Screw, 1-way, #8-32 x 1/2"	2
29	308P104*	Screw, Large Truss Hd., SS, #8-32 x 3/8"	2

** Only available in packages of 10.*

LIMITED WARRANTY

Equipment manufactured by Roundup Food Equipment Division of A.J. Antunes & Co. has been constructed of the finest materials available and manufactured to high quality standards. These units are warranted to be free from mechanical and electrical defects for a period of one year from date of purchase or 18 months from shipment from factory, whichever occurs first, under normal use and service, and when installed in accordance with manufacturer's recommendations. To insure continued proper operation of the units, follow the maintenance procedure outlined in the Owner's Manual.

1. This warranty does not cover cost of installation, defects caused by improper storage or handling prior to placing of the Equipment. This warranty does not include overtime charges or work done by unauthorized service agencies or personnel. This warranty does not cover normal maintenance, calibration, or regular adjustments as specified in operating and maintenance instructions of this manual, and/or labor involved in moving adjacent objects to gain access to the Equipment. This warranty does not cover consumable items such as platen release sheet and conveyor belt wraps. **This warranty does not pay travel, mileage, or any other charges for an authorized service agency to reach the equipment location.**
2. Roundup reserves the right to make changes in design or add any improvements on any product. The right is always reserved to modify equipment because of factors beyond our control and government regulations. Changes to update equipment do not constitute a warranty charge.
3. **If shipment is damaged in transit, the purchaser should make a claim directly upon the carrier. Careful inspection should be made of the shipment as soon as it arrives and visible damage should be noted upon the carrier's receipt. Damage should be reported to the carrier. This damage is not covered under this warranty.**
4. Warranty charges do not include freight or foreign, excise, municipal or other sales or use taxes. All such freight and taxes are the responsibility of the purchaser.
5. **THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EACH OF WHICH IS HEREBY EXPRESSLY DISCLAIMED. THE REMEDIES DESCRIBED ABOVE ARE EXCLUSIVE AND IN NO EVENT SHALL ROUNDUP BE LIABLE FOR SPECIAL CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR THE BREACH OR DELAY IN PERFORMANCE OF THIS WARRANTY.**



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