



manufactured fun

P A R A G O N

# OWNER'S MANUAL

## FOR ELECTRIC SNACK FRYERS



### Model Numbers

9180  
Digital 240V 5500W

9185  
Non-Digital 240V 4400W

**[www.ManufacturedFun.com](http://www.ManufacturedFun.com)**

Paragon International, Inc • 731 W. 18<sup>th</sup> Street • P.O. Box 560 • Nevada, IA 50201 USA  
Phone (515) 382-8000 • Toll-free (800) 433-0333 • Fax (515) 382-8001 • Email: [info@manufacturedfun.com](mailto:info@manufacturedfun.com)

### **Important Owner Information**

Record the model number, serial number and voltage in the spaces below (the data plate is located on the operator's side of the fryer in the bottom right). Please have this information available when calling Paragon for service assistance.

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

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

Voltage \_\_\_\_\_

Business Hours: 8:00 AM to 5:00 PM Central Standard Time (CST)

Telephone: 515-382-8000; 800-433-0333

Email: [info@manufacturedfun.com](mailto:info@manufacturedfun.com)

Fax: 515-382-8001

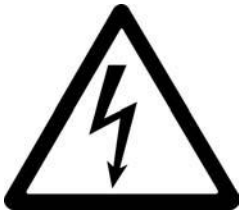
Additional information can be found by visiting our web site at [www.manufacturedfun.com](http://www.manufacturedfun.com)

#### **Register your unit**

Completing online warranty registration will prevent delay in obtaining warranty coverage. Go to [www.manufacturedfun.com](http://www.manufacturedfun.com) and select "Support Center" and "Register Your Product"

## SAFETY PRECAUTIONS

*Paragon values your continued safety above all else. Please follow these guidelines when using your equipment to prevent injury and maximize product performance:*



Fryer must be properly grounded to prevent electrical shock. Do NOT immerse this equipment in water. Doing so may damage equipment and prevent it from working properly. Always unplug equipment before cleaning or serving to prevent electrical shock.

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Always wear safety glasses when servicing equipment.

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No direct contact to equipment by the general public should be allowed when used in food service locations. Only trained personnel should operate this equipment. Carefully read through this manual before beginning operation of the equipment.

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Never make alterations to this equipment. Any alterations made by anyone other than certified Paragon personnel will void warranty and may also create unsafe working conditions.

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This fryer is NOT to be operated by anyone under the age of 18.

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## INTRODUCTION

### PARAGON IS PROUD TO BE YOUR PARTNER FOR MANUFACTURED FUN.

Our goal is to provide you with the best solutions to attract customers, expand your business, and improve your profits. That's why this product has been specially-crafted to meet precise specifications for performance, efficiency, and output.

#### Your Paragon Fryer features:

- Stainless steel construction
- Adjustable thermostat
- Digital temperature display on models 9180 and manual model 9185
- High limit shutdown
- Designed and assembled in the USA with select foreign parts

#### Specifications:

Model No.	Volts	Watts	Amps	Power Plug Type	Oil Capacity
9180	240	5500	30	NEMA Style 6-30P	55lbs
9185	240	5500	30	NEMA Style 6-30P	55lbs

Should you have any questions about your equipment, or would like to know more about our other innovative concession equipment and supplies, please contact us at 1-800-433-0333 or visit us on the web at: **Manufacturedfun.com**

*Thank you for your purchase and enjoy!*

## **INSTRUCTIONS PRIOR TO USE**

### **Inspection of Shipment**

Unpack your new fryer and thoroughly check for any damage that might have occurred during transportation. If any damage is identified, please process claims with the transportation company. The manufacturer's warranty does not cover damage that occurs in transit, or damage caused by abuse, or consequential damage made while operating the fryer as it is beyond our control. Please reference warranty in back of manual.

### **Owner's Manual**

Please read and understand the owner's manual and all other safety and operating instructions before using this equipment. To obtain additional copies of the owner's manual visit [manufacturedfun.com](http://manufacturedfun.com), email or call Paragon customer service at [cs@manufacturedfun.com](mailto:cs@manufacturedfun.com) or USA 1-(800)-433-0333 or write to Paragon International, Inc, 731 W 18<sup>th</sup> Street, Nevada, Iowa 50201.

### **Unpacking**

This fryer is fully assembled and has been tested at the factory.

1. Remove all packaging and tape prior to operation.
2. Place the fryer in a protected location on a level service and on a sufficiently stable base or table.  
Note: The base or table must be strong enough to support the fryer when full of oil.
3. Remove accessories from the unit.
4. For non-digital fryers, set the thermometer bracket on the rim of the tank in a convenient location, where the dial thermometer can be inserted and monitored without reaching over the tank.
5. After setup, the unit should be cleaned prior to use (see Care and Cleaning section of this manual).

### **Electrical Requirements**

The following power supply must be provided:

Models: 9180 and 9185 require the following power supply: 30 Amp 6-30 Receptacle, 60 Hz

### **DANGER**

The Fryer must be properly grounded to prevent electrical shock to personnel. Failure to do so could result in serious injury, or death. DO NOT immerse any part of this equipment in water. DO NOT use excessive water when cleaning. Keep cord and plug off the ground and away from moisture. Always unplug the equipment before cleaning or servicing. Make sure all fryer switches are in the OFF position before plugging the equipment into the receptacle.

A certified electrician must furnish sufficient power for proper fryer operation and install any required receptacle. Paragon recommends that each fryer be on a dedicated and protected circuit. Failure to wire properly will void the warranty and may result in damage to the fryer. It is Paragon's recommendation that this fryer be plugged directly into a wall outlet. The use of extension cords is not recommended due to safety concerns, and may cause sacrificed and/or reduced performance. If an extension cord is used, ensure the cord is placed such that it will not be a tripping hazard which could result in an injury from a fall, hot oil or impact of the heavy equipment.

## **Before You Operate the Fryer**

1. Make sure all fryer switches are OFF before plugging equipment into receptacle.
2. Make sure wall outlet can accept the grounded plugs (where applicable) on the power supply cord.
3. The wall outlet must have the proper polarity. If in doubt, have a competent electrician inspect the outlet and correct if necessary.
4. DO NOT use a grounded to un-grounded receptacle adapter.
5. Install unit in a level position.

## **IMPORTANT FIRE SAFETY NOTICE**

The building code in most cities in North America requires that any fryer with more than seven (7) pounds of oil capacity be operated under a vent hood with "Automatic Fire Extinguisher System". If you operate this fryer outdoors in a trailer or portable concession stand, you may not fall under the building code requirements.

If this fryer or any fryer outdoors, is operated in a concession trailer, booth, or portable concession stand, building code requirements may apply. Consult your local fire protection agency for your area's requirements. Check local fire protection requirements regularly to ensure compliance with local codes and proper operation. It is recommended to install an automatic fire extinguisher over the fryer and exhaust duct. (Use only fire extinguishers approved for grease, oil, and electrical fire.)

All Paragon fryers have an on/off power switch and a temperature control knob. Paragon utilizes the highest quality controls available in its products. However, in time, all controls wear out. It is therefore recommended an independent thermometer (capable of 500°F or higher) be immersed in the oil to monitor the oil temperature and make sure the unit is operating properly.

## **DANGER**

Hot oil is dangerous – severe burns can result when hot oil contacts the skin.

## **Advanced Safety Measures**

### **KEEP FRYER AREA CLEAN AND MAINTAINED**

- Keep your floors clean and free of grease to prevent slips, accidents, and contact with a hot fryer.
- Keep filters and areas above the fryer clean. Oil-soaked lint or dust can ignite easily and flames spread quickly in an oily environment.

### **EDUCATE PERSONNEL**

- Ensure all personnel understand the hazards of hot oil. Instruct them on proper actions to take if they suspect any part of the fryer is malfunctioning.

If your fryer malfunctions, have it serviced by Qualified Service Personnel.

**IMPORTANT:** If the fryer starts to smoke or boil abnormally, cut off power supply and determine the reason why the fryer is overheating before attempting to use it

- Ensure all personnel understand procedures to follow if the High Limit Control is tripped. (See High Limit Control description in the Controls and Their Functions section of this manual.)

- Educate all personnel on proper procedures to follow if a grease fire should occur. DO NOT USE WATER ON A GREASE FIRE! Never direct the extinguisher in a manner that would blow grease out of the tank. Ensure a fire extinguisher is readily available to extinguish a grease, oil, and electric fire. Make sure all personnel are properly trained in the use of the fire extinguisher.

## **CONTROLS AND FUNCTION**

### **MAIN POWER SWITCH**

The “Red/Yellow” knob is the ON/OFF power switch which is mounted on the head in the top left corner of the control panel.

To turn unit ON, you must first unlock the knob, click the yellow slide, on the top of the red knob from left to right. Once unlocked, rotate the knob CLOCKWISE into the operating position. On the digital display models (Models: 9180), the digital display will light up and serve as your visual cue that the fryer is ON. When operating the non-digital displays (Models 9185), a green LED, to the right of the red and yellow knob, will illuminate when the fryer switch is ON.

### **DIGITAL MODELS (Model: 9180)**

The digital display, displays the temperature of the cooking oil. The control will display the temperature as long as the main power to the head is on. The digital display serves as a temperature display and as a reset button should the fryer encounter an issue such as a tripped fuse or become overheated. The fryer has a high limit control inside the control head that will power-off the heating element if the fryer overheats, malfunctions or encounters a power surge. Once the fryer cools down, the fryer can be reset by pushing the reset button (RST Button) on the side of the digital display.

### **NON-DIGITAL MODELS (Model: 9185)**

The non-digital display models utilize a manual thermometer (included with your fryer) to measure the temperature of the oil. The fryer has a high limit control inside the control head that will power-off the heating element if the fryer overheats, malfunctions or encounters a power surge. Once the fryer cools down, the fryer can be reset by pushing the small red reset button on the right side of the green LED.

### **TEMPERATURE CONTROL KNOB**

To adjust and set temperature on all Paragon fryer models, use the black heat control knob on the right side of the fryer. Simply turn the knob CLOCKWISE to the desired temperature setting for your food item.

### **DRAIN VALVE/DRAIN PLUG**

The Drain Valve and Drain Plug open to allow efficient draining of the cooking oil from the tank. Always allow hot cooking oil to cool below 140°F before attempting drain the unit. Note: The Drain Valve has a Safety Collar on the handle. Slide the collar up to allow the drain valve handle to be rotated.

## SET-UP/INSTALLATION

Place the fryer on a suitable bench or table. Allow sufficient side space when using the reversible top cover as a side tray. Position the fryer to avoid the drain valve from extending past the bench tops edge.

- Check your local regulation codes. (Some localities may require an exhaust hood and/or an approved fire extinguisher.
- Mount the control panel assembly on to the tank. WARNING: Do not lift the fryer by the control panel.
- Secure the control panel to the studs located on the back side with two nuts provided.
- Plug the power cord into power outlet.
- Do a start-up test to verify the unit is working:
- Turn on the control panel's power switch

### Digital Models Only

- On initial startup or if power causes the unit to go out, please hold down the Reset (RST Button) until unit stops flashing. It is very important to hold down the button until this process is complete.
- You should hear a noise when the relay turns on
- The digital temperature read out should indicate a temperature
- Turn the temperature knob up to 200F
- Warning: Turn temperature knob back to "Off" after a couple of seconds
- Turn the power switch off
- The heating element should be hot
- Test is completed, the fryer is now ready for use
- WARNING: Do not operate without any cooking oil.

Note: If digital display unit buttons accidentally get pushed causing the unit to display unknown readings, simply turn the Power Switch off then back on.

## Tank Preparation

Before operating for the first time, the inside of the fryer tank should be rinsed and thoroughly dried before adding oil. See the Cleaning and Care section of this manual for cleaning instructions. Prior to each use, check the drain valve to make sure it is securely closed and the drain plug is fully tightened into place. Remove tank cover before turning the power on. DO NOT operate this unit with the tank cover in place.

## Filling the Tank with Oil

Tank Capacity: All Snack Fryer Models (9180 and 9185) all hold approximately 55 lbs. of cooking oil. Initially fill the tank to the minimum oil fill line (fill lines are located on the interior side and rear walls of the tank). DO NOT operate this unit with the cooking oil below the minimum oil level.

IMPORTANT: Cooking oil expands upon heating. To safely bring the oil level up to the maximum fill level, carefully add additional increments of oil as it heats until it reaches the maximum fill line. DO NOT over fill the tank, as overfilling could result in a dangerous situation. Hot oil is dangerous - be sure you have

thoroughly read the Safety Precautions of this manual. DO NOT allow water to contact oil. Only cook product intended for this appliance. Do not attempt to cook products with high water content or with surface moisture present. Do not operate in the rain or near any source of water. Failure to keep water away from oil may result in explosion and severe burns. Make sure appliance is completely dry after cleaning, including inside any drain valves.

#### Important Operating Information and Quality Control Tips

- Don't overheat. Don't fry if the oil temperature exceeds 400°F.
- Don't fry food in broken-down frying shortening. Broken down oil is thinned, darkened.
- Don't overload the frying tank.
- Don't fill the basket more than half full.
- Don't shake breaded items over fryer.
- Don't salt items over fryer.
- Don't introduce water to fryer.
- Don't thaw frozen foods before frying.

#### Operating the Fryer

1. Fill tank to minimum oil level with cooking oil, then turn Main Power Switch ON. The Digital Heat Control will display the oil temperature.
2. When the power is on: the display will illuminate on the digital models, and the non-digital model's green LED will light up. As the cooking oil heats and expands, carefully add additional increments of oil until it reaches the maximum fill line. DO NOT overfill the tank, as overfilling could result in a dangerous situation.
3. Once the desired temperature is achieved, the fryer is ready for use. (To adjust set temperature, use the manual temperature control knob.)
4. To help maintain oil quality, periodically skim off excess batter (food) particles.

#### **WARNING:**

Some products may require oil temperatures up to 375°F.  
Only trained personal should operate fryers.

#### Cleaning

1. A fine mesh skimmer may be used to remove crust that forms during cooking periods or during the routine clean-up.
2. WARNING: Do not drain until the oil is cooled down
3. To drain the cooking oil, use the drain valve. An extension on the valve may be used to direct the oil flow. To remove the last remaining oil, block the back edge up slightly and a baster may be used.
1. During routine cleaning, a fine grade steel wool may be used to remove the baked-on oil residue in the tank

#### Shutdown Procedure and Draining the Tank

1. Once frying is complete, switch the ON/OFF switch to OFF (the digital display will extinguish on the digital models and the green LED will extinguish on the non-digital models).

2. Remove any food, the thermometer, and allow the unit to cool completely. Turn the temperature control to OFF.
3. If storing the oil for reuse, cover the oil tank with a clean, dry tank cover. Be sure the oil has cooled before applying tank cover.
4. If moving the unit from its current location, the oil must be drained. DO NOT move this unit when filled with oil! Allow hot cooking oil to cool below 140°F before attempting drain the unit.
5. To drain the unit, have an appropriate container in place to receive the oil.
6. With the drain valve CLOSED, remove the drain plug.
7. Slide the safety collar up on the drain valve handle, then OPEN the drain valve to empty the cooking oil from the fryer tank.
8. For unit cleaning instructions, see Care and Cleaning section.

## Care and Cleaning

Good sanitation practice demands that all food preparation equipment be cleaned regularly (only use non-toxic, food grade cleaners). A clean looking, well-kept fryer is one of the best ways of advertising your product.

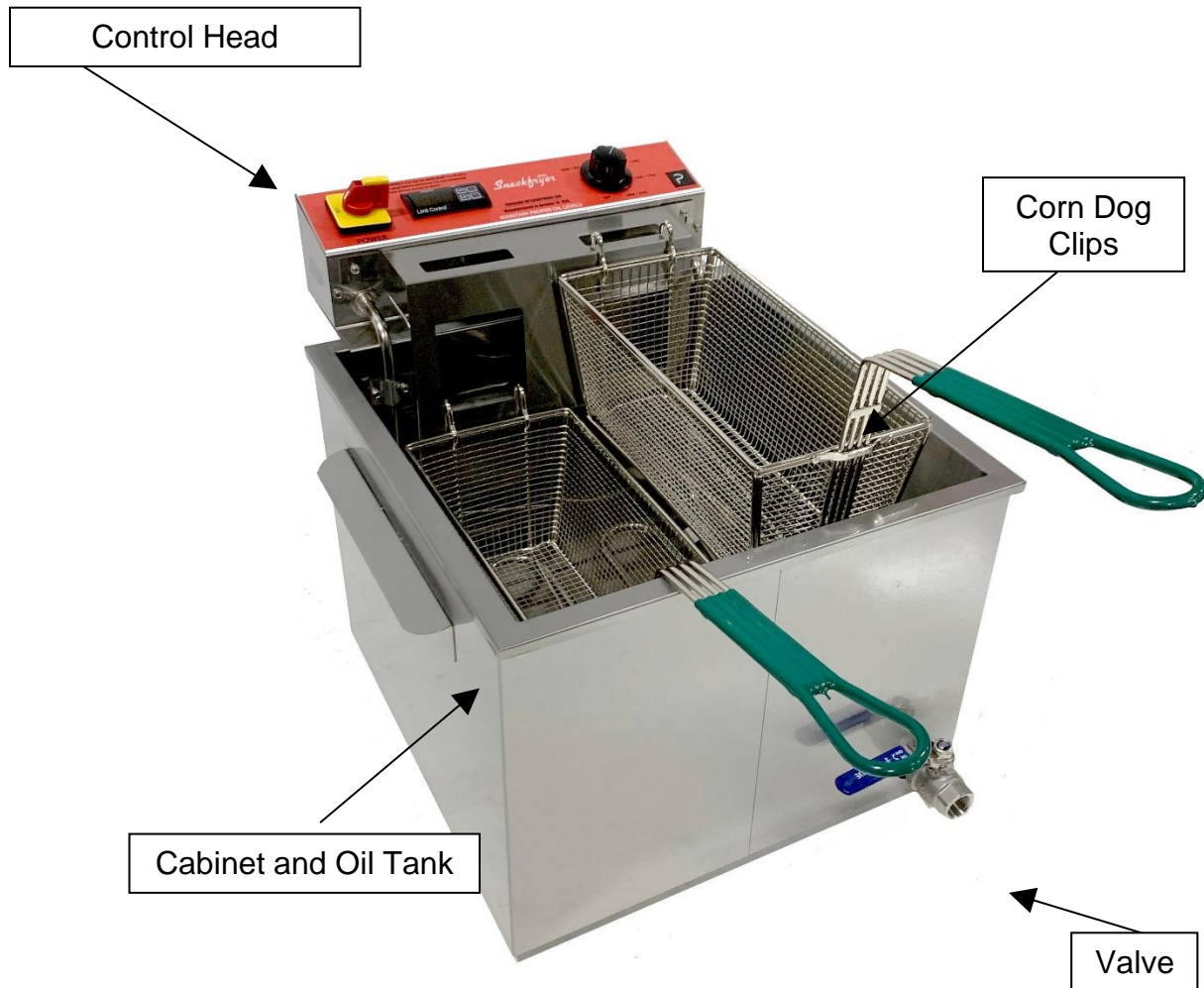
Follow the directions below to clean and sanitize the unit each day after use.

1. With the fryer OFF, unplug the unit and allow it to cool before attempting to clean it after use. DO NOT move this unit when filled with oil! Allow hot cooking oil to cool below 140°F before attempting drain the unit.
2. Make sure to clean all pans/accessories in order to sanitize them before each use.
3. Make sure the drain valve is securely closed and the drain plug is fully tightened into place, then fill the tank with water to the MINIMUM oil level. DO NOT FILL above the minimum oil level or equipment damage may occur.
4. Add appropriate amount of dish soap. Paragon also recommend the use of Carbon-Off Cleaner
5. Bring solution to a boil (DO NOT heat above 250°F), then turn the fryer OFF, unplug the unit and allow solution to cool to below 100°F.
6. Once cooled, drain and remove all solution.
7. Clean the outside of the unit with a soft cloth, dampened with soap and hot water.
8. Wipe the stainless steel parts with a clean cloth and cleaner designed for stainless steel. DO NOT use oven cleaners or abrasive materials as they will damage parts of the fryer.
9. Thoroughly dry the unit after cleaning, including inside any drain valves.

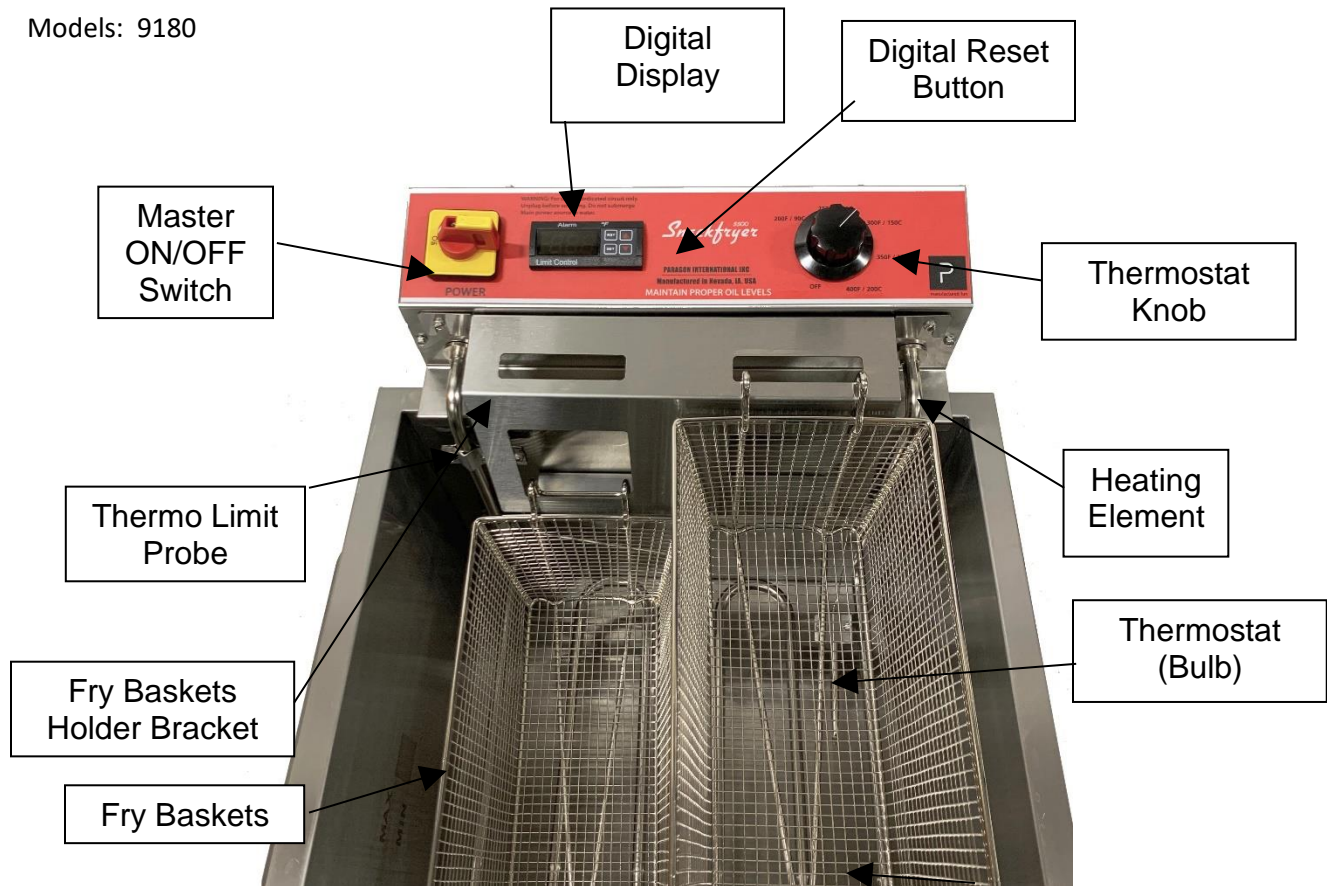
## ORDERING SPARE PARTS

1. Identify the needed part by checking it against the photos, illustrations, and/or parts list. (General images may be used in manual for reference only.)
2. Use only approved replacement parts when servicing this unit.
3. When ordering, please include part number, part name, and quantity needed.
4. Please include your model number, serial number, and date of manufacture (located on the fryer nameplate/data plate) with your order.
5. To order visit [manufacturedfun.com](http://manufacturedfun.com), email or call Paragon customer service at [cs@manufacturedfun.com](mailto:cs@manufacturedfun.com) or USA 1-(800)-433-0333 or write to Paragon International, Inc, 731 W 18<sup>th</sup> Street, Nevada, Iowa 50201.

## 6. CABINET ASSEMBLY



Models: 9180



#### PARTS LIST - MODELS 9150 and 9160

Description	9180
Valve	70121
Fryer Cover	80650
Manual Thermostat (with Bulb)	78280
Heating Element	78103
Thermo Limit Probe	78005
Power Switch On/Off	12420
Digital Temperature Display	78001
Thermostat Knob	HDS_0036
Relay	78210
Power Cord	12183
Fryer Baskets	80641

Models: 9155 and 1965

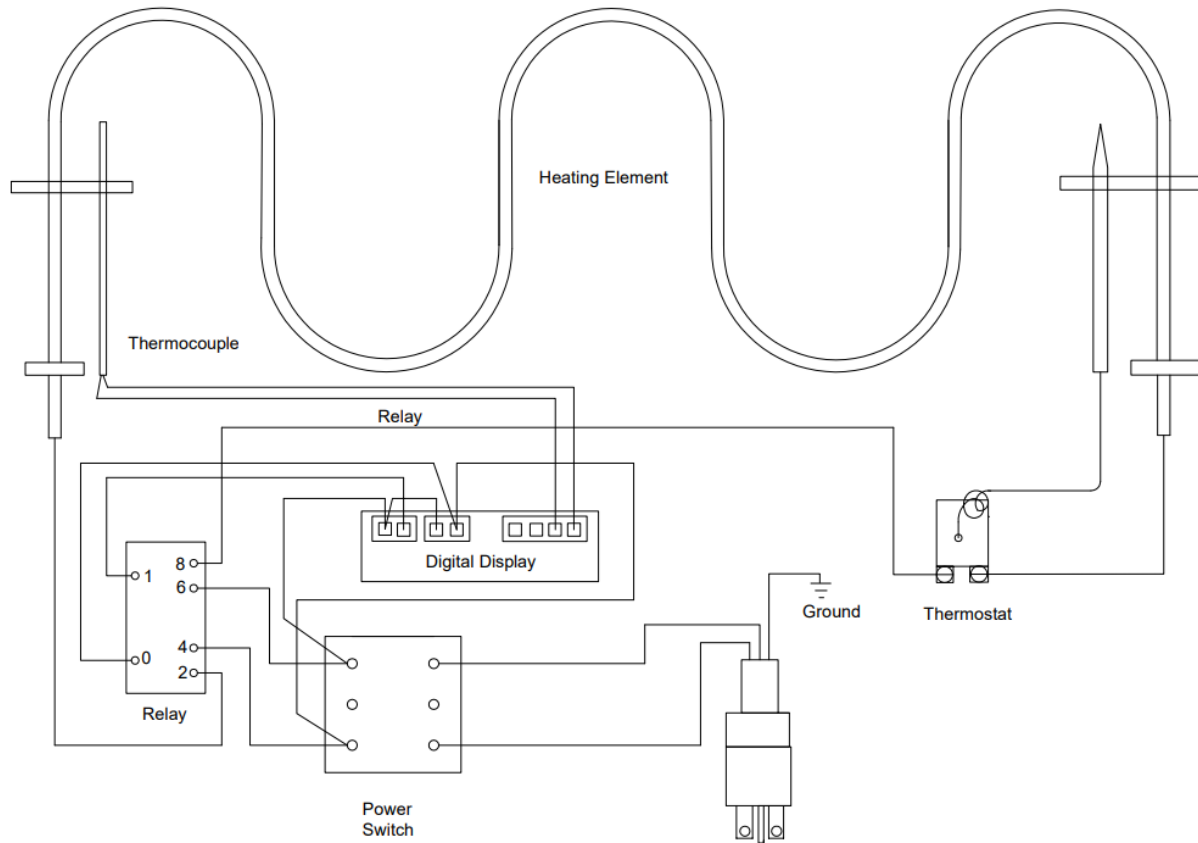


PARTS LIST – MODELS 9180 and 9185

Description	9185
Valve	70121
Fryer Cover	80650
Manual Thermostat (with Bulb)	78280
Heating Element	78103
Power Switch On/Off	12420
Thermostat Knob	HDS_0036
LED Green Lamp	98540
Power Cord	12183
Fryer Baskets (2)	80641

# WIRING DIAGRAM FOR MODEL 9180

## Wiring Diagram - High Voltage Digital Display with Potter Brumfield Relay



# Wiring Diagram for Model 9185

## WIRING DIAGRAM - MANUAL RESET

