

OPERATOR MANUAL

IMPORTANT INFORMATION, KEEP FOR OPERATOR

This manual provides information for:

MODEL TS-37E **LoLo TILTING SKILLET**

- Stainless Steel
- Manual Tilt
- Electric Heated



THIS MANUAL MUST BE RETAINED FOR FUTURE REFERENCE. READ, UNDERSTAND AND FOLLOW THE INSTRUCTIONS AND WARNINGS CONTAINED IN THIS MANUAL.

FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WARNING

Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

NOTIFY CARRIER OF DAMAGE AT ONCE

It is the responsibility of the consignee to inspect the container upon receipt of same and to determine the possibility of any damage, including concealed damage. LoLo Commercial Foodservice Equipment suggests that if you are suspicious of damage to make a notation on the delivery receipt. It will be the responsibility of the consignee to file a claim with the carrier. We recommend that you do so at once.

Manufacture Service/Questions 877-246-5656

Information contained in this document is known to be current and accurate at the time of printing/creation. LoLo Commercial Foodservice Equipment recommends referencing our product line websites, www.getLoLo.com, for the most updated product information and specifications.

PART NUMBER 156833 REV A (12/09)



COMMERCIAL FOODSERVICE
EQUIPMENT



IMPORTANT - READ FIRST - IMPORTANT

- CAUTION:** BE SURE OPERATORS READ, UNDERSTAND AND FOLLOW THE OPERATING INSTRUCTIONS, CAUTIONS, AND SAFETY INSTRUCTIONS IN THIS MANUAL.
- WARNING:** THIS UNIT IS INTENDED FOR USE IN THE COMMERCIAL HEATING, COOKING AND HOLDING OF WATER AND FOOD PRODUCTS, PER THE INSTRUCTIONS CONTAINED IN THIS MANUAL. ANY OTHER USE COULD RESULT IN SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT AND WILL VOID WARRANTY.
- WARNING:** ELECTRICALLY GROUND THE PAN AT THE TERMINAL PROVIDED. FAILURE TO GROUND UNIT COULD RESULT IN ELECTROCUTION AND DEATH.
- WARNING:** THE TILTING SKILLET MUST BE INSTALLED BY PERSONNEL WHO ARE QUALIFIED TO WORK WITH ELECTRICITY. IMPROPER INSTALLATION COULD RESULT IN PERSONAL INJURY OR EQUIPMENT DAMAGE.
- CAUTION:** STAND AWAY FROM HOT WATER OR FOOD PRODUCTS WHILE TILTING THE PAN DIRECT CONTACT COULD RESULT IN SEVERE BURNS.
- WARNING:** WHEN TILTING THE SKILLET FOR PRODUCT TRANSFER:
- 1) WEAR PROTECTIVE OVEN MITT AND PROTECTIVE APRON.
 - 2) USE CONTAINER DEEP ENOUGH TO CONTAIN AND MINIMIZE SPLASHING.
 - 3) PLACE CONTAINER ON STABLE, FLAT SURFACE, AS CLOSE TO PAN AS POSSIBLE.
 - 4) STAND TO SIDE OF PAN WHILE POURING – NOT DIRECTLY IN POUR PATH OF HOT CONTENTS.
 - 5) RETURN PAN BODY TO LEVEL POSITION AFTER CONTAINER IS FILLED OR TRANSFER IS COMPLETE.
 - 6) DO NOT OVER FILL CONTAINER. AVOID DIRECT SKIN CONTACT WITH HOT CONTAINER AND ITS CONTENTS.
- WARNING:** DO NOT HEAT AN EMPTY PAN FOR MORE THAN FIVE MINUTES AT A SETTING HIGHER THAN 300°F.
- WARNING:** AVOID ANY EXPOSURE TO THE STEAM ESCAPING FROM THE COVER VENT. DIRECT CONTACT COULD RESULT IN SEVERE BURNS
- WARNING:** AVOID ALL DIRECT CONTACT WITH HOT EQUIPMENT SURFACES. DIRECT SKIN CONTACT COULD RESULT IN SEVERE BURNS.
- WARNING:** AVOID ALL DIRECT CONTACT WITH HOT FOOD OR WATER IN THE SKILLET. DIRECT CONTACT COULD RESULT IN SEVERE BURNS.
- WARNING:** IF THE PAN CONTAINS ITEMS IN SAUCE OR MELTED FAT, THEY COULD SLIDE FORWARD SUDDENLY DURING TILTING AND CAUSE HOT LIQUID TO SPLASH OUT.
- WARNING:** USE OF ANY REPLACEMENT PARTS OTHER THAN THOSE SUPPLIED BY LOLO COMMERCIAL FOODSERVICE EQUIPMENT OR ITS AUTHORIZED DISTRIBUTORS VOIDS ALL WARRANTIES AND MAY CAUSE BODILY INJURY OR EQUIPMENT DAMAGE. SERVICE PERFORMED BY OTHER THAN FACTORY AUTHORIZED PERSONNEL WILL VOID ALL WARRANTIES.
- WARNING:** TURN OFF ELECTRIC POWER BEFORE WORKING ON INTERNAL COMPONENTS.
- WARNING:** BEFORE ANY CLEANING OPERATION, TURN THE THERMOSTAT TO “OFF” TO CUT OFF POWER TO THE HEATING ELEMENTS. BEFORE CLEANING ANY PART OTHER THAN THE INSIDE OF THE PAN, DISCONNECT THE ELECTRICAL SUPPLY AT THE CIRCUIT BREAKER OR FUSE BOX.
- WARNING:** BE CAREFUL TO AVOID CONTACT WITH CLEANING PRODUCTS IN ACCORDANCE WITH SUPPLIER AND MANUFACTURER RECOMMENDATIONS. MANY CLEANERS ARE HARMFUL TO THE SKIN, EYES, MUCOUS MEMBRANES AND CLOTHING. READ THE WARNINGS AND FOLLOW DIRECTIONS ON THE CLEANER LABEL.

IMPORTANT - READ FIRST - IMPORTANT

- CAUTION:** NEVER LEAVE A CHLORINE SANITIZER IN CONTACT WITH STAINLESS STEEL FOR LONGER THAN 30 MINUTES. LONGER CONTACT CAN CAUSE CORROSION.
- WARNING:** DO NOT USE ANY FUSE WITH A HIGHER AMP RATING THAN THE RATING SPECIFIED FOR THAT CIRCUIT.
- WARNING:** KEEP WATER AND SOLUTIONS OUT OF CONTROLS AND ELECTRICAL EQUIPMENT. NEVER USE A HIGH PRESSURE HOSE TO CLEAN THE SKILLET.
- WARNING:** BEFORE REPLACING ANY PARTS, DISCONNECT THE UNIT FROM THE ELECTRIC POWER SUPPLY.
- IMPORTANT:** SERVICE PERFORMED BY OTHER THAN FACTORY AUTHORIZED PERSONNEL WILL VOID WARRANTIES.

Table of Contents

Important Operator Warnings	page 2-3
References.....	page 4
Equipment Description.....	page 5
Inspection and Unpacking	page 6
Installation	page 7-8
Initial Start-Up.....	page 9
Operation	page 9-10
Sequence of Operation	page 11
Cleaning.....	page 12-13
Maintenance.....	page 13
Troubleshooting.....	page 14
Electrical Wiring Diagram	page 22
Service Log	page 23

References

INTERTEK [ETL]

1950 Evergreen Blvd, Suite 100
Duluth, Georgia 30096

UNDERWRITERS LABORATORIES, INC.

333 Pfingsten Road
Northbrook, Illinois 60062

NFPA/70

The National Electrical Code

NATIONAL SANITATION FOUNDATION

789 N. Dixboro Rd.
Ann Arbor, Michigan 48113-0140

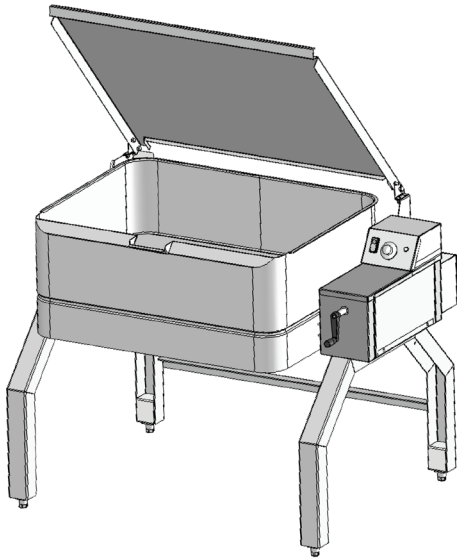
NATIONAL FIRE PROTECTION ASSOCIATION

60 Batterymarch Park
Quincy, Massachusetts 02269

NSF/ANSI

Standard 4

Equipment Description



The LoLo TS-37E is a stainless steel, electrically heated skillet which is equipped with integrated heating elements, a hand operated tilting mechanism, electrical controls and a hinged cover. The skillet serves as a griddle, fry pan, oven, kettle, bain-marie, or food warmer and server. It can also be adapted for use as a non-pressure steamer.

The pan body is constructed of heavy-duty stainless steel, welded into a solid piece. It has a polished interior and exterior finish. A pouring lip is welded to the top of the front wall. The cooking surface is a stainless steel clad plate fitted with clamped-on electrical heating elements. The elements are positioned to ensure uniform heat transfer over the entire surface.

Model TS-37E is mounted on an open- leg frame which is fabricated from stainless steel.

An easily operated worm and gear mechanism tilts the pan body and provides precise control for pouring or dumping its contents.

This tilting mechanism is located in a stainless steel console to right of the pan body. To facilitate cleaning, the pan body can be tilted past the vertical position.

Heating elements and other electrical components are enclosed for safety. The thermostat, heating indicator light and tilting handle are contained in a compact control console which is mounted to the right of the pan body.

A thermostat provides automatic control of cooking temperature. Turning the thermostat dial starts and stops heating and sets the pan temperature. Only one electrical connection is required to install the unit.

A vented, heavy gauge, one-piece, stainless steel cover is standard on the skillet. A fully enclosed hinge provides easy operation to open the cover. The cover opens to the back. It is hinged to the frame, so it moves independently from the pan body.

The following sizes and accessories are available:

Model	Pan Dimensions (Inside)		
	Left to Right	Front to Back	Depth
TS-37E	35.75	35.75	10"

Inspection & Unpacking

CAUTION

SHIPPING STRAPS ARE UNDER TENSION AND CAN SNAP BACK WHEN CUT.

UNIT WEIGHS 420 TO 560 LB (190 TO 255 KG). FOR SAFE HANDLING, INSTALLER SHOULD OBTAIN HELP AS NEEDED, OR EMPLOY APPROPRIATE MATERIALS HANDLING EQUIPMENT (SUCH AS A FORKLIFT, DOLLY, OR PALLET JACK) TO REMOVE THE UNIT FROM THE SKID AND MOVE IT TO THE PLACE OF INSTALLATION.

The unit will arrive completely assembled, wrapped in protective plastic on a heavy skid. Immediately upon receipt, inspect for damage. Report any apparent shipping damage or an incorrect shipment to the delivery agent.

When installation is to begin, write down the model number, serial number, and installation date of your unit, and keep this information for future reference. Space for these entries is provided at the top of the Service Log in this manual. Cut the straps holding the unit on the skid, and lift the unit straight up off the skid.

Installation

WARNING
INSTALLATION OF THE SKILLET
MUST BE DONE BY A CERTIFIED
ELECTRICIAN OR AUTHORIZED
REPRESENTATIVE QUALIFIED TO WORK
WITH ELECTRICITY. IMPROPER
INSTALLATION CAN RESULT IN INJURY
TO PERSONNEL AN/OR DAMAGE
TO EQUIPMENT.

CAUTION
BEFORE ANY ELECTRICAL CONVERSION,
VERIFY THAT THE BRANCH CIRCUIT
WIRING IS ADEQUATE TO HANDLE ANY
INCREASE IN AMPERAGE REQUIREMENTS.
REFER TO THE ELECTRICAL
SPECIFICATIONS LISTED BELOW.

WARNING
ELECTRICALLY GROUND THE UNIT AT
THE TERMINAL PROVIDED. FAILURE TO
GROUND UNIT COULD RESULT
IN ELECTROCUTION AND DEATH.

	Minimum Clearance	Recommended Clearance
Left Side	0"	2"=service 6"=when faucet is installed
Right Side	0"	12-16"=service
Rear	3"	12"= service

Internal wiring for the skillet is supplied complete. When you receive the unit, it is ready for connection. A wiring diagram is located inside the control box on the right side of the pan, as well as in this manual (page 22).

Your pan was performance-tested at the factory to confirm that all controls and heating elements were functioning correctly.

Installation is as follows:

1. Set the unit in place and level it by turning the adjustable feet. Crank the pan body to a completely horizontal position. Check levelness by placing a spirit level on the bottom of the pan. The unit must be level to avoid uneven cooking across the pan.
2. Make a waterproof connection with the incoming power line at the electrical service entrance at the bottom of the connection box at rear of control console. A BX connection is NOT recommended. **ELECTRICALLY GROUND THE UNIT** at the proper terminal.
3. Provide the proper electrical supply as specified on the electrical information plate. Comply with local codes and the National Electrical Code ANSI/NFPA 7- latest edition.
4. Use only copper wire, rated at least 75°C and of proper gage. See chart on page 8.
5. Standard equipment is shipped ready for 208V/240V, 3-phase operation. Refer to the wiring diagram located on the inside cover of the control box and the instructions below for conversion to single-phase operation.

A "conversion" label is included with the unit. It can be found in a plastic bag attached to the trunnion assembly inside the control box.
6. For conversion from 3-phase to 1-phase:
 - i. Verify that the branch circuit wiring is adequate for any increased amperage requirements. (See table on next page)
 - ii. Refer to wiring diagram for field conversion.
 - iii. Complete "conversion label" (supplied in bag) and adhere it to the control box

Installation

Electrical Requirements

Note: Use only copper wire rated for 75°C or higher

Model	Power KW 208V/ 240V	208V, 1-Phase		240V, 1-Phase		208V, 3-Phase		240V, 3-Phase	
		Amps	Supply Wire	Amps	Supply Wire	Amps	Supply Wire	Amps	Supply Wire
TS-37E	11.5/15.3	55	#4 AWG	64	#4 AWG	32	#8 AWG	37	#8 AWG

Initial Start-Up

WARNING
WATER IS EXTREMELY HOT AND CAN CAUSE SEVERE BURNS. AVOID CONTACT WITH HOT WATER WHEN EMPTYING UNIT.

Now that the skillet has been installed, you should test it to ensure that the unit is operating correctly.

1. Remove all literature and packing materials from the interior and exterior of the unit.
2. Turn on the electrical power to the unit.
3. Put enough water into the pan to cover its bottom to a depth of 1/4" to 1/2" (6 to 13 mm). With the pan body in the horizontal position, note how the water covers the pan bottom. This is a good method to use for confirming that the unit is properly leveled.
4. Set the thermostat to 235°F. The heating indicator light should come on to show that the pan is heating.
5. To shut the unit down, turn the thermostat dial to "OFF."
6. Turn the hand crank clockwise to pour out the water and to confirm that the pan body can be tilted smoothly from horizontal to vertical.

If the unit functions as described above, it is ready for use. If it does not, contact your local LoLo Commercial Foodservice Equipment Authorized Service Agency.

Operation

IMPORTANT:
STAND AND FOLLOW THE OPERATING INSTRUCTIONS, CAUTIONS, AND SAFETY INSTRUCTIONS CONTAINED IN THIS MANUAL.

CAUTION
KEEP FLOORS IN WORK AREA CLEAN AND DRY. IF SPILLS OCCUR, CLEAN IMMEDIATELY TO AVOID THE DANGER OF SLIPS OR FALLS.

CAUTION
DO NOT OVERFILL THE SKILLET WHEN COOKING, HOLDING OR CLEANING. KEEP LIQUIDS AT LEAST 2-3" (5-8 cm) BELOW THE PAN BODY RIM TO ALLOW CLEARANCE FOR STIRRING, BOILING PRODUCT AND SAFE TRANSFER.

A. Controls

Operator controls for the skillet are:

1. Power ON Switch and Power ON indicator located on the control console.
2. The thermostat dial, located on the control console to the right of the pan body. This dial is used to turn the thermostat on or off and to set the thermostat for pan temperatures between 175° and 400°F.
3. Heating indicator light located on the control console, lights when the burners have ignited.
4. A hand crank controls the worm and gear mechanism that smoothly tilts the pan body and holds it in the desired position.

Operation

WARNING

WHEN TILTING PAN BODY FOR PRODUCT TRANSFER:

- 1) WEAR PROTECTIVE OVEN MITT AND PROTECTIVE APRON.
- 2) USE DEEP CONTAINER TO CONTAIN AND MINIMIZE PRODUCT SPLASHING.
- 3) PLACE CONTAINER ON STABLE, FLAT SURFACE, AS CLOSE TO KETTLE AS POSSIBLE.
- 4) STAND TO LEFT OR RIGHT OF PAN BODY WHILE POURING - NOT DIRECTLY IN POUR PATH OF HOT CONTENTS.
- 5) POUR SLOWLY, MAINTAIN CONTROL OF PAN BODY HANDLE AT ALL TIMES, AND RETURN PAN BODY TO UPRIGHT POSITION AFTER CONTAINER IS FILLED OR TRANSFER IS COMPLETE.
- 6) DO NOT OVERFILL CONTAINER. AVOID DIRECT SKIN CONTACT WITH CONTAINER AND ITS CONTENTS.

WARNING

DO NOT HEAT AN EMPTY PAN FOR MORE THAN FIVE MINUTES AT SETTINGS ABOVE 300°F. DAMAGE TO THE PAN COULD RESULT.

WARNING

AVOID ANY EXPOSURE TO THE STEAM ESCAPING FROM THE COVER VENT. DIRECT CONTACT COULD RESULT IN SEVERE BURNS.

WARNING

AVOID ALL DIRECT CONTACT WITH HOT EQUIPMENT SURFACES. DIRECT SKIN CONTACT COULD RESULT IN SEVERE BURNS. AVOID ALL DIRECT CONTACT WITH HOT FOOD OR WATER IN THE SKILLET. DIRECT CONTACT COULD RESULT IN SEVERE BURNS.

WARNING

IF THE PAN CONTAINS ITEMS IN SAUCE OR MELTED FAT, THEY COULD SLIDE FORWARD SUDDENLY DURING TILTING AND CAUSE THE HOT LIQUID TO SPLASH OUT.

B. Operating Procedure

1. To tilt pan body, turn the hand crank clockwise to tilt the pan body, or counterclockwise to return the pan body to horizontal. 23 complete turns of the hand crank will tilt the body 90 degrees to vertical.
2. Set the thermostat dial to the desired temperature between 100 and 400°F. The Heat Indicator Light shows that the pan is heating. When the light cycles on and off, it indicates that the pan is holding at the set temperature. During these cycles you may hear the contactors in the control box make a clicking sound. This is normal.
3. For best results when braising or frying, preheat the pan before putting in any food. For an even temperature across the pan, preheat at a setting of 300°F or less for 15 minutes, or through several on/off cycles of the thermostat.

C. Cooking

1. To simmer or slowly heat an item, set the dial at about 210°F or lower. Put the cover down to keep moisture loss at a minimum, or leave it up to help dry or reduce the product. Set the thermostat higher to cook or drive moisture off faster. The thermostat may be adjusted to any setting in its range to cook exactly as you wish.
2. Leave the cover vent open to allow excess steam to escape. For longer simmering, you may wish to close the vent to retain moisture.
3. To check cooking progress when the cover has been closed, grasp the plastic handle of vent cover and lift it slightly while moving it quickly to either side. Standing at one side of the pan to avoid the steam that will be released, grasp the nearest corner of the cover handle and raise the cover. The cover will stay in the open position until you put it down.
4. To pour or dump product, remove grease, or assist cleaning, first raise the cover, then tilt the pan up and forward by turning the hand wheel clockwise. Whenever you stop turning the wheel, the pan body will hold its position.
5. To return the pan to the horizontal position, turn the hand crank counter-clockwise.
6. To turn the pan off, turn the thermostat to the "OFF" position.

D. Routine Clean-Up

After each use, turn the thermostat to "OFF" and clean all food contact surfaces to ensure proper sanitation. At the end of the day, or at least once every 24 hours, turn off the heat and shut off electric power to the unit and clean both the interior and exterior of the pan. See page 12 for more detailed cleaning instructions.



Sequence of Operation

The following “action-reaction” outline is provided to help you understand how the skillet actually functions.

When you start up the pan by turning the thermostat from “OFF” to a desired temperature, the thermostat switch closes. This causes the contactors to close, and allows power to flow to the heating elements and the indicator light.

When the pan temperature reaches the value set on the thermostat dial, the thermostat switch opens and causes the contactors to open. This stops the flow of power to the heating elements and the indicator light.

As soon as the thermostat senses that the pan is cooling below the set temperature, the thermostat closes, the contactors close, and the heaters and indicator light come on again.

This on and off cycle continues, maintaining the pan at the set temperature. This is why the indicator light on and off cycling is seen during normal operation.

If the pan temperature exceeds 425°F for any reason, a high-limit thermostat shuts off the power until the pan cools. At that point, the thermostat automatically resets to permit normal operation to start again.

Turning the thermostat to “OFF” shuts down all control and heating circuits.

The thermostat controls heating by alternating between feeding full power and completely cutting power off. The pan heats as fast as it can until it reaches the set temperature, no matter what that temperature is. Turning the thermostat to a higher setting will cause heating to continue longer, until the pan reaches a higher temperature, but it cannot make the pan heat any faster.

Turning the hand crank rotates a worm, which turns a gear wheel on one of the trunnions supporting the pan body. Turning the gear produces the tilting action.

The power to the heaters is cut off when the pan is tilted past a slight inclination of 10°. It is acceptable to cook with the pan tilted forward at a small angle (about 5 - 7°) to let liquids collect to front of pan or allow them to drain out of the draw off valve.

Cleaning

WARNING

BEFORE ANY CLEANING OPERATION, TURN THERMOSTAT DIAL TO "OFF" TO CUT ANY POWER TO THE HEATING ELEMENTS. BEFORE CLEANING ANY PART OTHER THAN THE INSIDE OF THE PAN, DISCONNECT ELECTRICAL SUPPLY AT CIRCUIT BREAKER OR FUSE BOX.

CAUTION

KEEP WATER AND CLEANING SOLUTIONS OUT OF CONTROLS AND ELECTRICAL EQUIPMENT. DO NOT SPRAY OR HOSE THE CONTROL BOX OR OTHER ELECTRICAL CONNECTIONS. THEY ARE NOT WATER-PROOF.

CAUTION

MOST CLEANERS ARE HARMFUL TO THE SKIN, EYES, MUCOUS MEMBRANES, AND CLOTHING. PRECAUTIONS SHOULD BE TAKEN. WEAR RUBBER GLOVES, GOGGLES OR FACE SHIELD AND PROTECTIVE CLOTHING. READ THE WARNINGS AND CAREFULLY FOLLOW THE DIRECTIONS ON THE CLEANER LABEL.



Use a brush, sponge, cloth, plastic or rubber scraper, or plastic wool to clean.



Don't use metal implements or steel wool when cleaning.

1.

Suggested Tools

- A good stainless steel cleaner
- Brushes in good condition
- Cloth for cleaning controls
- Chlorine sanitizer
- Heavy duty cleaner (if required)

2.

Procedure

- Clean all food-contact surfaces soon after use. It is best to clean the pan before it has completely cooled. If the unit is in continuous use, completely clean and sanitize both the inside and outside at least once every 12 hours.
- To remove any large amount of food left in the pan, tilt the pan all the way up and flush it with lukewarm water. Do not damage the surface of the pan by scraping it with a metal tool. Scratches make the surface more difficult to clean, and provide ideal breeding places for bacteria.
- Following the supplier's directions, make up a warm solution of the cleaner. Carefully wash the inside and outside of the pan body with the cleaning solution.
- Use a cloth moistened with cleaning solution to clean controls, the control console, and electric conduit.
- Rinse the pan very well with lukewarm water, and drain it completely.
- As part of the daily cleaning program, clean all inside and outside surfaces that may have been soiled. Remember to check such parts as the undersides of the cover, the electrical console and other more remote spots. Clean between the pan body and the consoles using the brush provided (P/N 058705).
- Controls and the control console may be cleaned with a damp cloth or sprayed with a garden hose spray connected to city water supply. Do not use a pressure sprayer directly on the unit or electrical parts.
- To remove materials stuck to the equipment, use a brush, sponge, cloth, plastic or rubber scraper, or plastic wool with the cleaning solution. To make washing easier, let the cleaning solution sit in the unit and soak into the residue, or heat the solution briefly. Do not use any gritty cleaner or metal tool that might scratch the surface. Scratches make the surface harder to clean, and also provide places for bacteria to grow. Do not use steel wool. Small bit of steel wool left in the surface of the unit can cause rusting and pitting.
- The outside of the unit may be polished with a recognized stainless steel cleaner such as Zepper from the Zep Manufacturing Company.
- When the equipment needs to be sanitized, use a sanitizing solution equivalent to one that supplies 100 parts per million available chlorine. Get advice about the best sanitizing agent from your supplier of sanitizing products.

Cleaning

CAUTION
NEVER LEAVE A CHLORINE SANITIZER IN CONTACT WITH STAINLESS STEEL SURFACES FOR LONGER THAN 30 MINUTES. LONGER CONTACT CAN CAUSE CORROSION.

CAUTION
KEEP CAUSTIC COMPOUNDS SUCH AS FRYER BOILOUT CLEANERS AWAY FROM ALUMINUM PARTS OF THE LID HINGE SYSTEM AND THE COUNTERBALANCE ASSEMBLY. HIGHLY CAUSTIC COMPOUNDS COULD DAMAGE THIS MATERIAL.

- k. Following supplier instructions, apply the sanitizing agent after the unit has been cleaned and drained. Thoroughly drain off the sanitizer.
- l. After the unit has been cleaned, sanitized and drained, let all surfaces air dry unless the unit must be used again right away.
- m. It is recommended that the unit be sanitized just before use. Follow the directions of the sanitizer supplier.
- n. About once a week (more often if the water is very hard), use a heavy duty cleaner to remove any mineral deposits or film left by hard water or foods. Follow the supplier's directions very carefully, and rinse the unit off thoroughly, as soon as cleaning is finished.
- o. If especially difficult cleaning problems persist, contact your cleaning product supplier for help. The supplier has a trained technical staff with laboratory facilities to serve you.

Maintenance

WARNING
ELECTRIC POWER ALWAYS SHOULD BE SHUT OFF BEFORE WORK IS DONE ON INTERNAL COMPONENTS.

WARNING
DISCONNECT ELECTRICAL POWER FROM THE UNIT BEFORE ATTEMPTING TO GREASE THE TRUNNION SHAFT.

WARNING
USE OF ANY REPLACEMENT PARTS OTHER THAN THOSE SUPPLIED BY LOLO COMMERCIAL FOODSERVICE EQUIPMENT OR THEIR AUTHORIZED DISTRIBUTORS CAN CAUSE INJURY TO THE OPERATOR AND DAMAGE TO THE EQUIPMENT AND WILL VOID ALL WARRANTIES. SERVICE PERFORMED BY OTHER THAN FACTORY-AUTHORIZED PERSONNEL WILL VOID ALL WARRANTIES.

Your skillet is designed to require minimum maintenance, but certain parts may need replacement after prolonged use. After installation, no user adjustment should be necessary. If a service need arises, only authorized personnel should perform the work.

Service personnel should check the unit at least once a year. This periodic maintenance should include inspecting wires and connections and cleaning inside the control console. At least twice a year grease the two trunnion bearings and worm gear.

LoLo Commercial Foodservice Equipment recommends the use of number two grade LGI lithium grease. Add grease through the zerk fittings on the gear hosing until grease flows out of the bearings around trunion shaft. Also, add grease in the gear to cover arc that is in contact with the worm gear. Clean up excess grease.

A Service Log is provided with the warranty information at the back of this manual. Each time service is performed on your equipment, enter the date on which the work was done, what was done, and who did it. Keep the manual with the equipment for quick and easy reference.



Troubleshooting

Your LoLo skillet will operate smoothly and efficiently if properly maintained. However, the following is a list of checks to make in the event of a problem. If the actions suggested do not solve the problem, call your authorized Service Representative. For the phone number of the nearest agency, call your area representative or the LoLo Commercial Foodservice Equipment Parts and Service Department. If an item on the list is followed by “X”, the work should only be performed by a qualified service representative.

SYMPTOM	WHO	WHAT TO CHECK
1. Pan will not heat, but indicator light comes on.	Authorized Service Rep Only	a. Heating elements for short circuit. X
2. Pan will not heat, and indicator light will not come on.	User	a. That power supply is on.
	Authorized Service Rep Only	b. Fuses, accessible by removing caps on the side of the control box. X
	Authorized Service Rep Only	c. For loose or broken wires. X d. Thermostat functioning, by listening for a click when the switch opens or closes. X e. Contactor functioning. X
3. Pan continues to heat after it reaches desired temperature.	User	a. Thermostat dial setting. Turn down if too high.
	Authorized Service Rep Only	b. Thermostat functioning. X c. Thermostat calibration. X d. Contactor, to determine if it is de-energized. X
4. Pan does not reach desired temperature.	User	a. Thermostat dial setting. Turn up if too low.
	Authorized Service Rep Only	b. Heating elements for ground short or open (burned out)element. X c. Thermostat functioning, by listening for a click when the switch opens or closes. X d. Thermostat calibration. X e. Contactor functioning. X
5. Rapid clicking noise (chattering).	User	a. For low voltage.
	Authorized Service Rep Only	b. Contactor for dirt or corrosion on the contacts. X
6. Uneven cooking due to “hot spots”.	User	a. That the pan body is level
7. Uneven cooking due to “cold spots”.	Authorized Service Rep Only	a. For open (burned out) heating element.
8. Pan is hard to tilt.	User	a. Gears for foreign materials, lubrication and alignment.

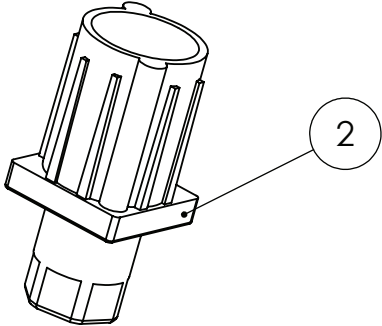
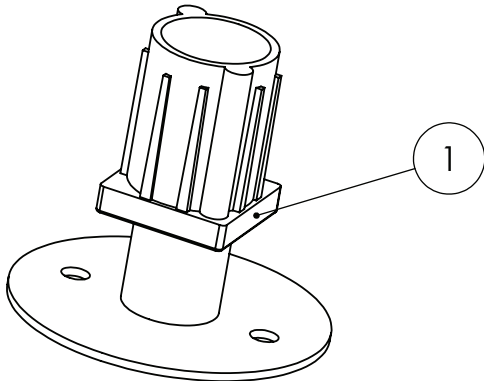
WARNING

ELECTRICAL POWER MUST BE SHUT OFF BEFORE WORK IS DONE ON INTERNAL COMPONENTS.

WARNING

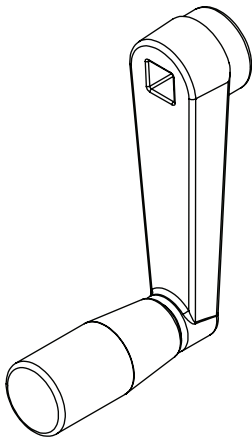
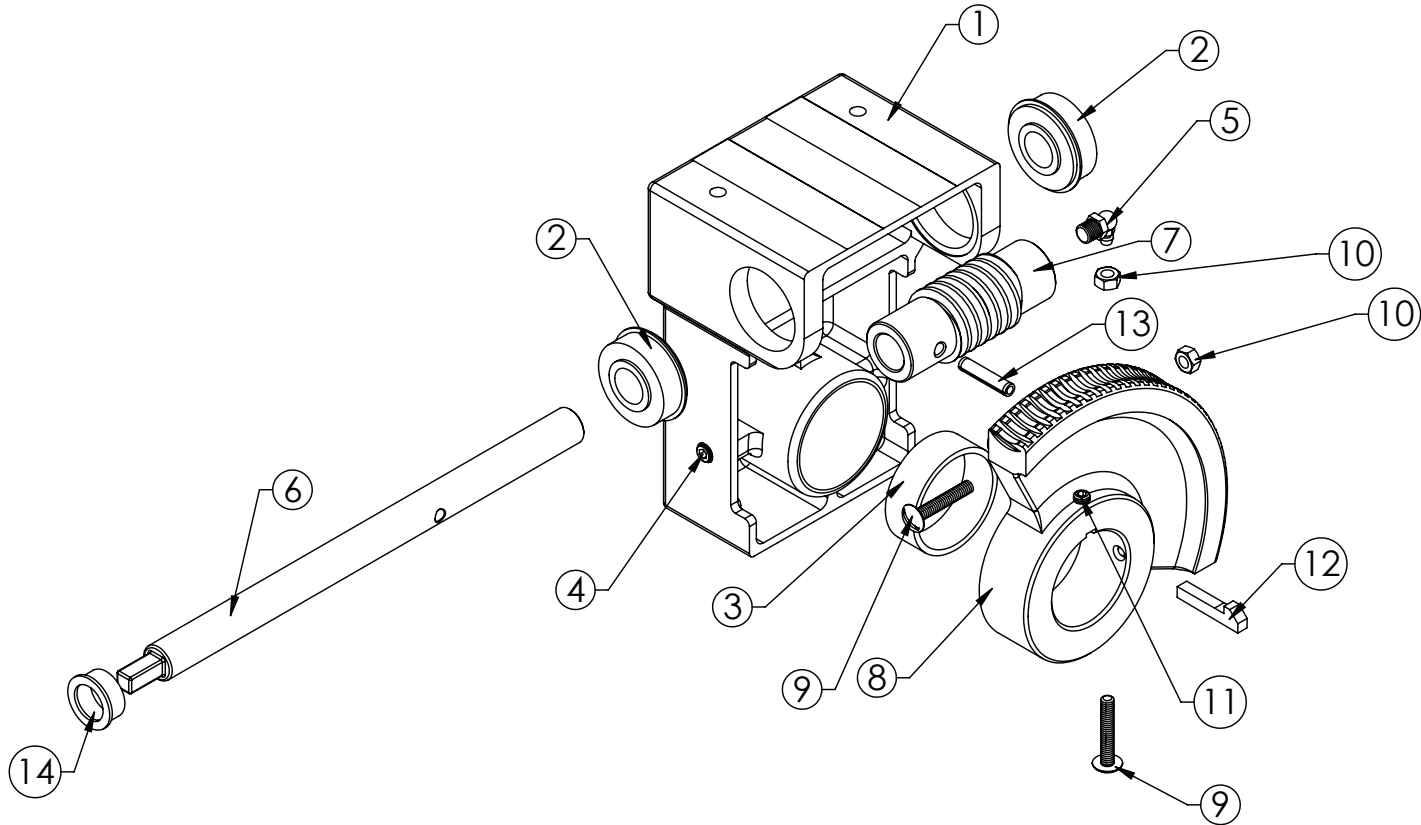
USE OF ANY REPLACEMENT PARTS OTHER THAN THOSE SUPPLIED BY LOLO COMMERCIAL FOODSERVICE EQUIPMENT OR THEIR AUTHORIZED DISTRIBUTORS CAN CAUSE INJURY TO THE OPERATOR AND DAMAGE TO THE EQUIPMENT AND WILL VOID ALL WARRANTIES. SERVICE PERFORMED BY OTHER THAN FACTORY-AUTHORIZED PERSONNEL WILL VOID ALL WARRANTIES.

Foot Assembly



ITEM NO.	PART NUMBER	DESCRIPTION
1	097615	FLANGED FOOT, ADJUSTABLE
2	042505	FOOT BULLET INSERT

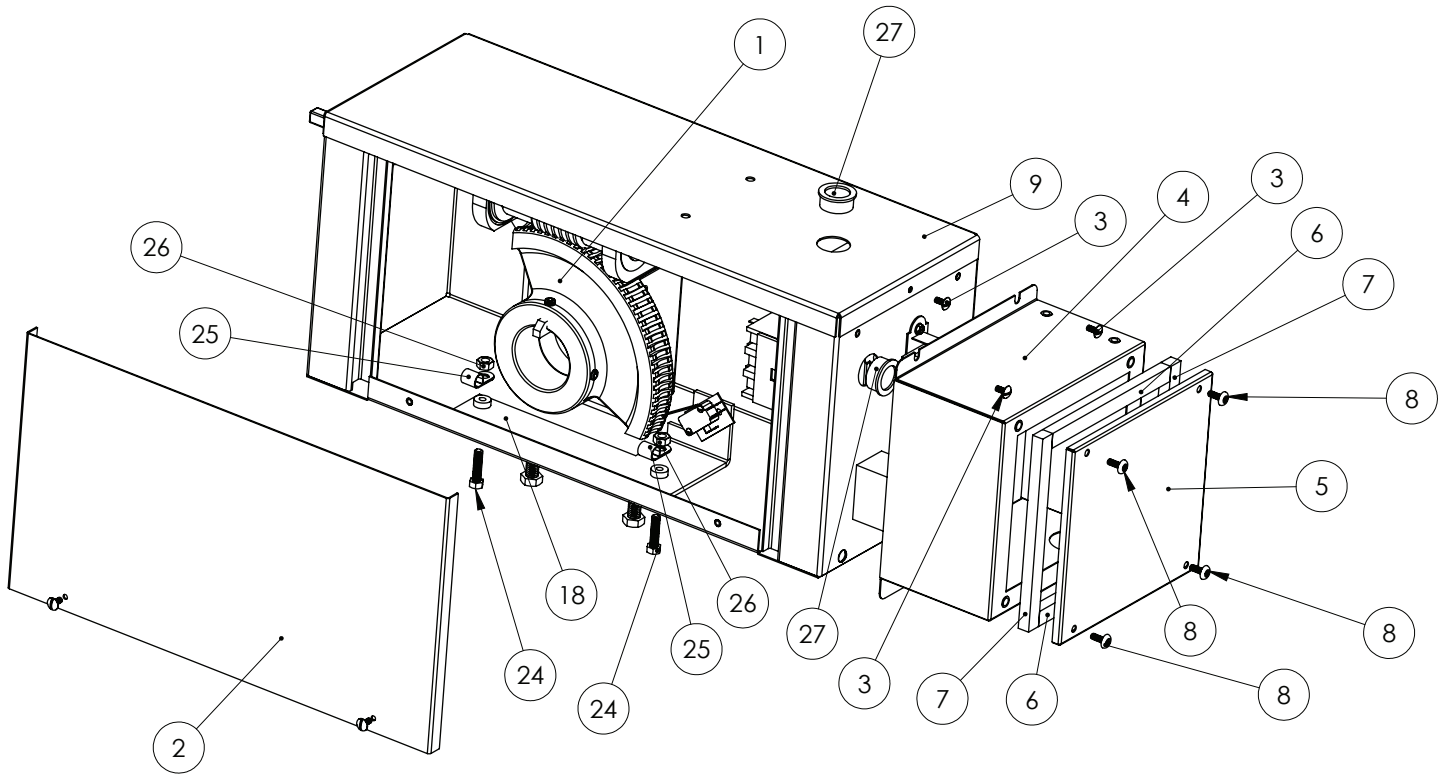
Manual Tilt Assembly



ITEM NO.	PART NUMBER	Description	QTY.
1	002624	CARRIER GEAR 2" BORE	1
2	002790	BEARING ROLLER 3/4" ID	2
3	137239	BEARING SLEEVE 2.007"ID X 2.254"OD X 3/4"LG	2
4	010286	PLUG, PIPE, 1/8" NPT	1
5	012195	FITTING GREASE 90 DEG 1/8 NPT	1
6	156120	SHAFT, HANDWHEEL VL 45 GAL KETTLE	1
7	128001	GEAR, WORM 12DP	1
8	009829	GEAR SECTOR ASSY FOR FPC	1
9	012597	SCREW TRUSS HEAD, MACHINE 1/4"-20 X 1-1/2"	2
10	012940	NUT, HEX KEPS 1/4"-20	2
11	012060	SCREW, SET SOCKET W/NYLON INSERT 5/16	2
12	012031	KEY GIB HEAD 1/4" X 1-1/4"	1
13	012614	PIN ROLL 1/4" DIA X 1-1/4" LONG	1
14	000453	BUSHING, SNAP 3/4 IN ID	1

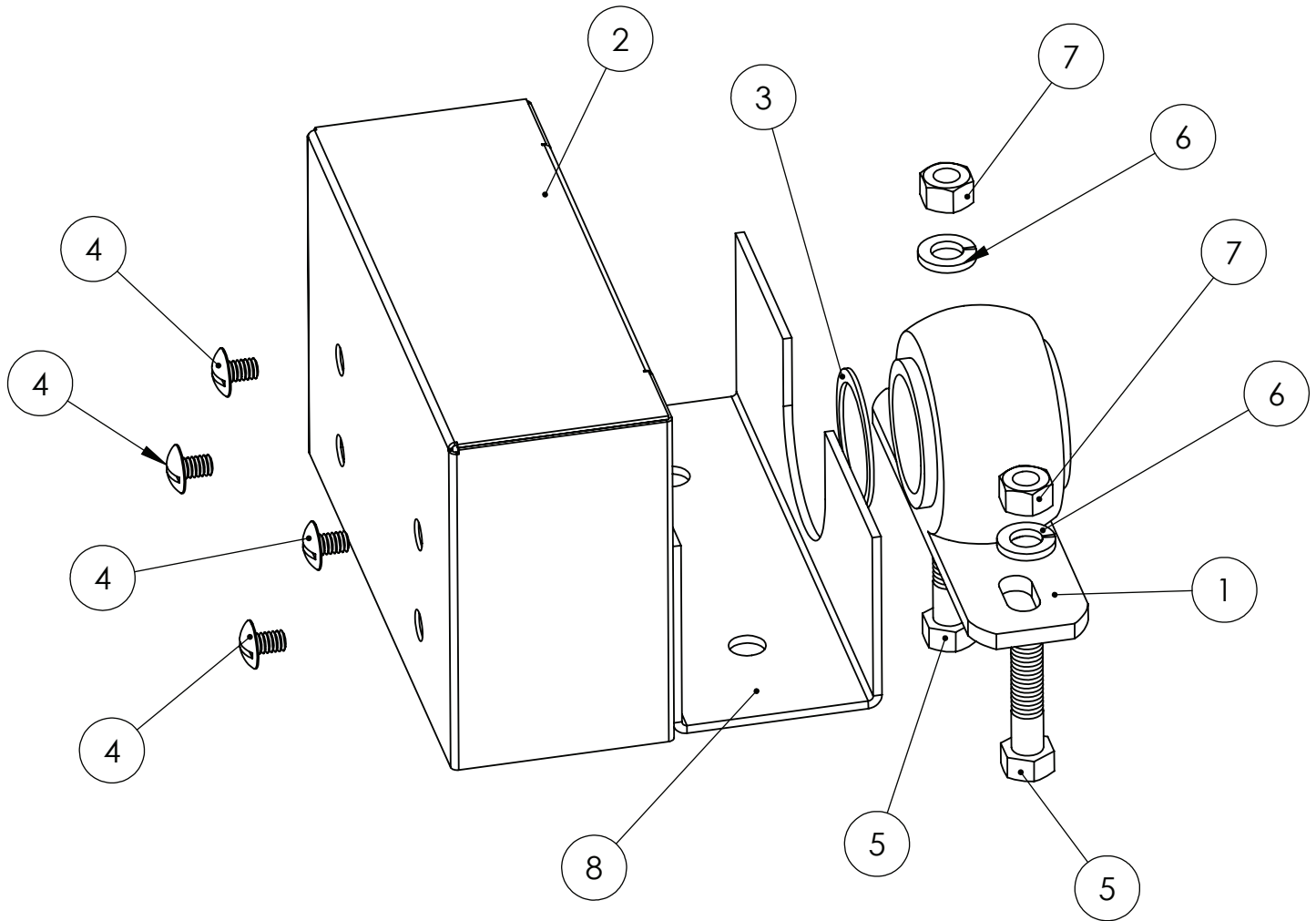
TILTING HANDLE, TS37
P/N: 156126

Right Trunnion/ Electrical Component Assembly



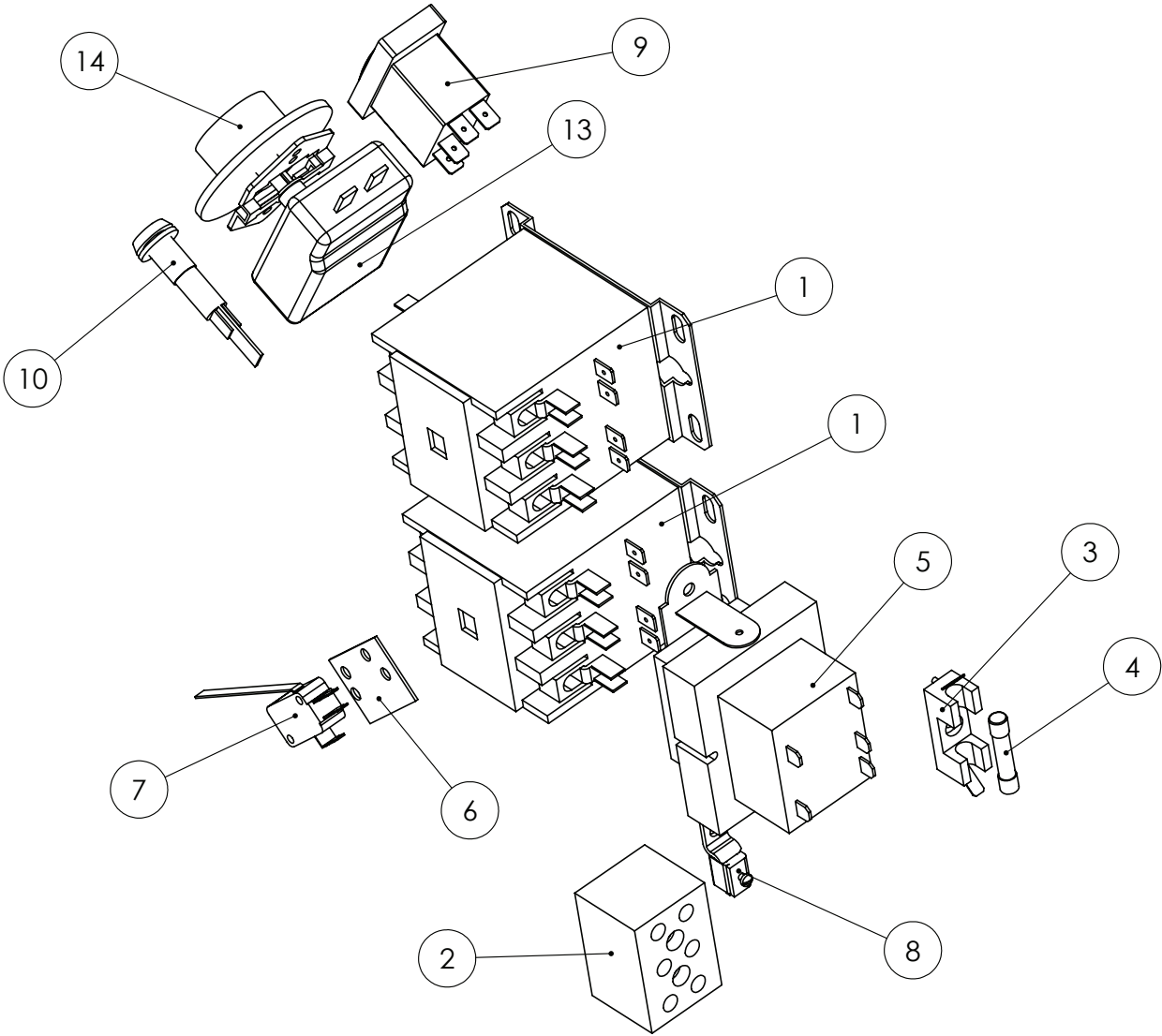
ITEM NO.	PART NUMBER	Description	QTY
1	156121	MANUAL TILT ASSEMBLY VL	1
2	156809	COVER, RIGHT TRUNNION ACCESS, TS37E	1
3	005764	SCREW TRUSS HEAD MACHINE	7
4	156831	WELD ASSEMBLY, COMPONENT COVER, TS37E	1
5	156837	PANEL, ELECTRIC COMPONENT ACCESS, TS37E	1
6	137588 - 5.93 LONG	GASKET, 1/2" W X 3/8" TH X 5.93" L	2
7	137588 - 6.43 LONG	GASKET, 1/2" WIDE X 3/8" TH X 6.43 L	2
8	012065	SCREW, 10-24 X 1/2" SL HD	4
9	156808	ASSEMBLY, RIGHT TRUNNION COVER	1
18	156839	WELDMENT, TILT AND MOTOR SWITCHBRACKET, TS37E	1
24	005610	SCREW, HEX HEAD CAP	2
25	146989	CLAMP, CABLE 3/8"	2
26	012940	NUT, HEX KEPS 1/4"-20	2
27	000453	BUSHING, SNAP 3/4 IN ID	2

Left Trunnion Assembly



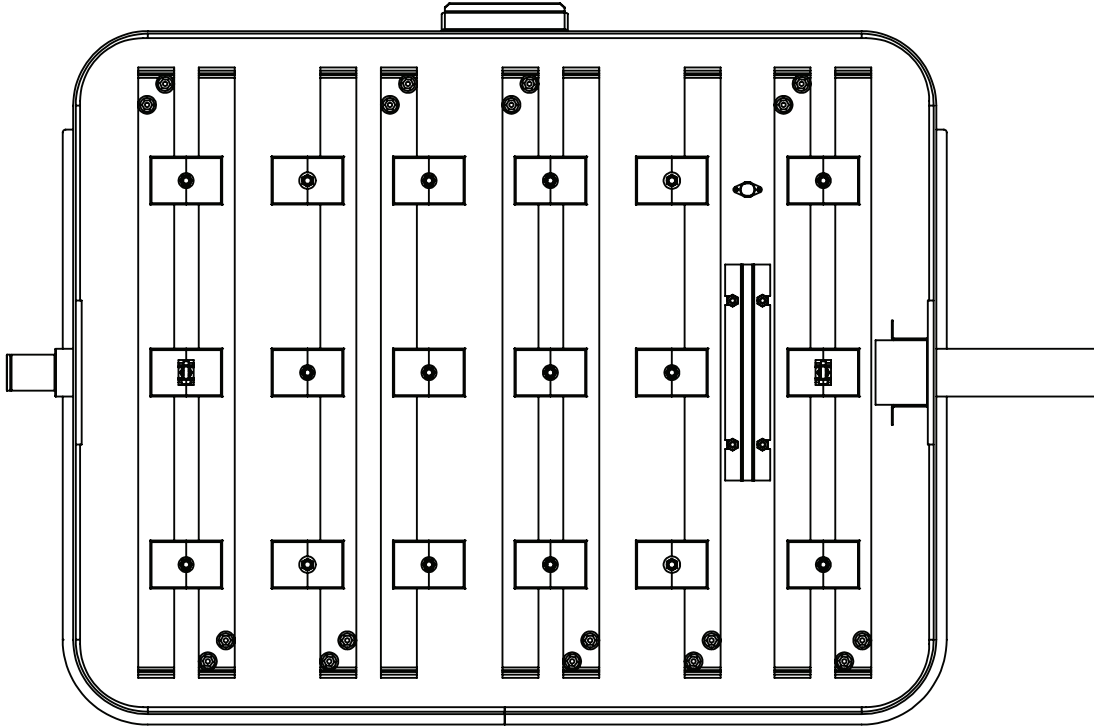
ITEM NO.	PART NUMBER	Description	QTY
1	002989	PILLOW BLOCK	1
2	144314	BOX, PILLOW BLOCK	1
3	124764	RETAINING RING 1.500	1
4	125609	SCREW, 1/4-20 X 3/8" TRUSS	4
5	005615	SCREW HEX HEAD CAP	2
6	005618	WASHER, LOCK 3/8	2
7	005619	NUT, HEX 3/8-16	2
8	144766	BRACKET, FAUCET & PILLOW BLOCK	1

Electrical Components

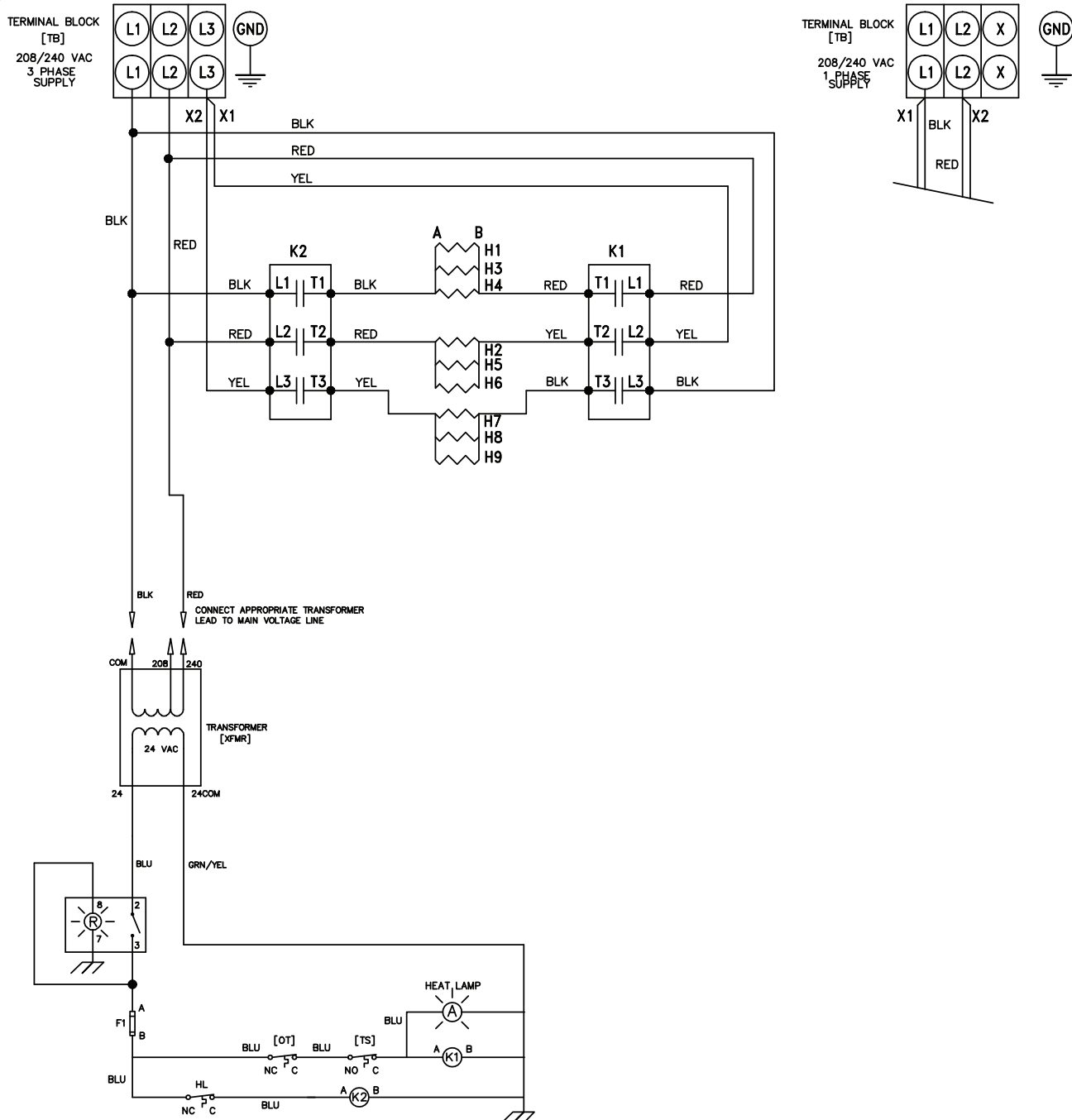


ITEM NO.	PART NUMBER	Description	QTY.
1	148102	CONTACTOR, 3 POLE 30FLA	2
2	003888	TERMINAL BLOCK 3-POLE	1
3	077854	FUSE HOLDER TYPE 3 AG	1
4	077853	FUSE 3.0 AMP TYPE 3 AG	1
5	137441	TRANSFORMER, 40VA 208/240 V	1
6	003490	BARRIER, INSULATION	1
7	143319	SWITCH, TILT, DPST	1
8	119829	LUG, GROUND, 14-6 AWG	1
9	155548	POWER SWITCH, WITH GREEN INDICATOR LIGHT	1
10	116384	LIGHT, INDICATOR AMBER	1
11	137434	GASKET, LAMP	1
12	107172	ADAPTER, THERMOSTAT	1
13	002180	THERMOSTAT, 200-400	1
14	003908	KNOB, THERMOSTAT	1

Electrical Element Pattern



Wiring Diagram



P/N 156814 REV A



COMMERCIAL FOODSERVICE
EQUIPMENT

5925 I-55 South • Byram MS 39272
877-2GO-LOLO (877-246-5656) • Fax 877-504-4073
www.getLoLo.com