INSTRUCTION MANUAL

6509 SLICER

WE **THANK YOU** FOR YOUR PURCHASE OF OUR MODEL 6509 SLICER.

All of us . . .
at Univex!

univex

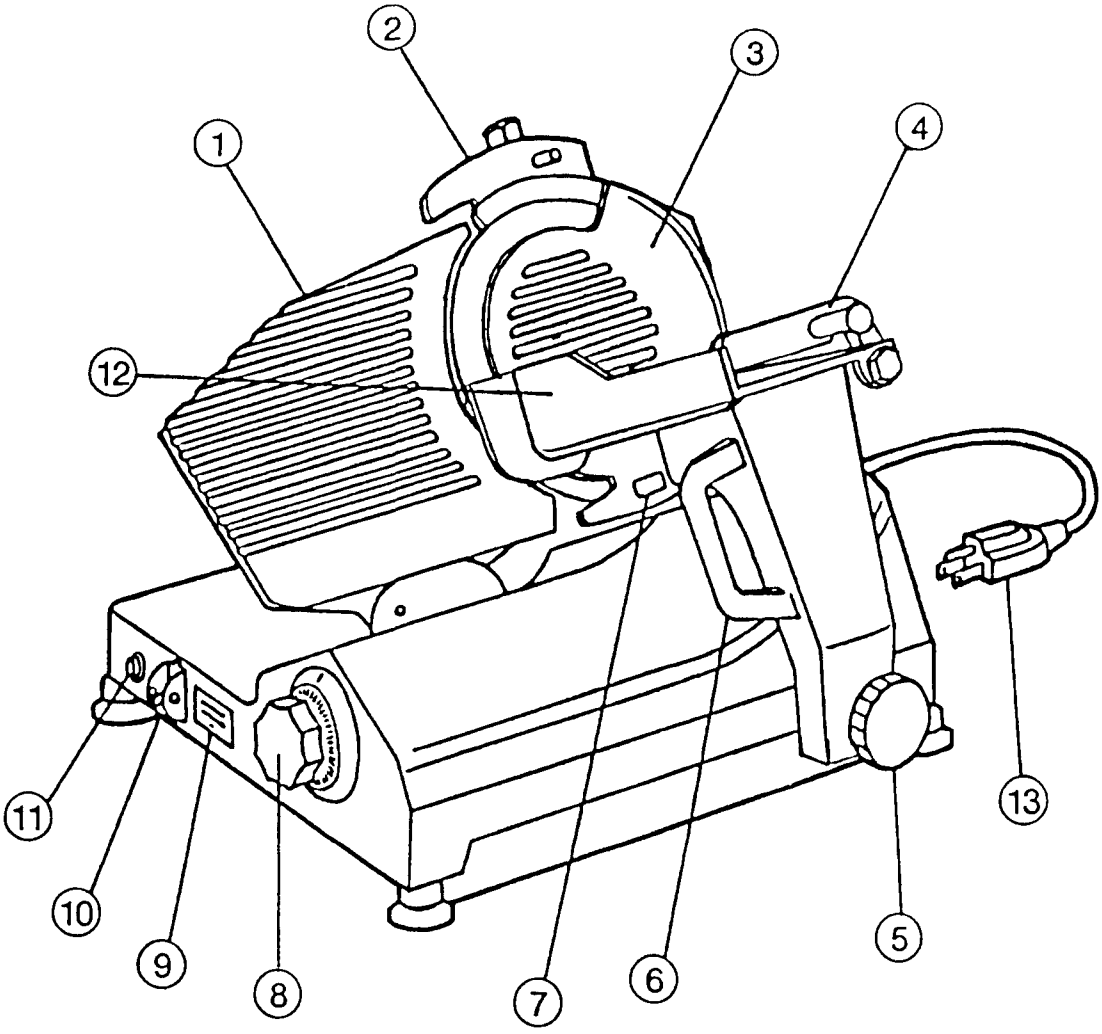
TABLE OF CONTENTS

LIST OF ILLUSTRATIONS AND FIGURE DRAWINGS

OVERALL VIEW OF SLICER

MODEL 6509

FIGURE 1



1 FENCE
2 KNIFE SHARPENER
3 KNIFE GUARD
4 LAST SLICE DEVICE
5 CARRIAGE ARM KNOB
6 CARRIAGE ARM
7 BLADE SCRAPER
8 GRADUATED KNOB
9 SERIAL NAME PLATE
10 ON-OFF SWITCH
11 INDICATOR LIGHT
12 CARRIAGE
13 ELECTRIC CORD

INSTRUCTION MANUAL

INTRODUCTION

This manual contains instructions for the Installation, Operation, Care. Maintenance and Repair of the Slicing Machine. Disassembly, Repair, Replacement and Reassembly Instructions are included. A trouble shooting guide is provided. A complete Replacement Parts List with identifying figures is also included to facilitate identification and ordering of replacement parts.

INSTALLATION INSTRUCTIONS

Warning: The Univex Slicing Machine is shipped from the factory in a foam filled corrugated cardboard container. Remove all staples from the top of the container flaps. Open flaps and make sure all staples have been completely removed so as not to scratch you or the slicer. Then remove upper foamed insert. Carefully remove the slicer from the container with the assistance of a second person. For SAFETY do not lift from either the knife sharpener or from anywhere near the knife or its housing. Lift slicer by handling the base.

INSPECTION

All Univex slicers are inspected and tested at the factory; however, they should be reinspected carefully by the person making the installation for loose, damaged or broken parts. Detached parts and fixtures should be checked against packing list to determine all are present. Any damages should be reported to the Carrier immediately, and any shortage of parts or fixtures to Univex Corporation.

Warning: After slicer has been inspected, wash slicer completely with warm water and mild soap For SAFETY, follow the cleaning instructions on Page 7

INSTALLATION

The most efficient installation of your Univex slicer will depend upon the layout of your kitchen. Locate your slicer where it will save steps for the operator and be sure to provide sufficient clearance around it for ease of maintenance and cleaning, as well as for efficient and safe use.

Slicer should be operated on a sturdy bench or table with the height determined to suit the operator. It is most important that the forearm of the operator be at the proper level for ease and safety of operation, as well as for maximum production. This height is considered optimum when the carriage handle (Fig. 1 [6]) of the slicer is at approximately the height of the operator's elbow when standing.

IMPORTANT

Warning/Caution: Electrical wiring instructions are found in the wiring diagram (Fig. 6 & 6A). Before making electrical connections, CHECK the specifications on the nameplate to make sure that they agree with those on your electrical service. A grounding type three terminal plug is provided for safety. If you do not have a mating receptacle, have a qualified electrician provide one with grounding provisions in accordance with local safety codes.

OPERATING INSTRUCTIONS

The Univex slicer is designed to meet the cook's demand for an efficient, sturdy slicer. The Univex slicer will give unfailing performance over a period of years, when operated and maintained according to instructions contained herein. A high torque motor drives the knife through a highly efficient polyvee (multi-ribbed) belt and mating pulleys. The upper pulley. which the knife attaches to, is a massive flywheel which further assists the motor in handling the toughest slicing tasks.

IMPORTANT SAFETY WARNINGS

Warning: The slicer knife is extremely sharp! Never touch the knife, always keep hands and fingers clear of the knife. Never run slicer without the guard or other parts in place and securely fastened. Take extra care to avoid accidents by keeping the knife guard and sharpening assembly cover ON at all times. When the machine is not in use. the slice adjustment knob should be turned fully back to the closed position (beyond "0") so that the knife edge is not exposed.

Observe the cleaning instructions on Page 7 for best results and for safety. Also remember to always turn the slicer OFF and disconnect the electrical supply cord.

When slicing, always work the carriage using only the carriage arm handle (Fig. 1 [6]) Do not hold or push the carriage from any other place.

START/STOP SWITCH

The slicer is started by pushing the ON/OFF toggle switch (Fig. 1 [10]) upward to the ON position. A pilot light (Fig. 1 [11]) is provided to indicate when the slicer is turned on.

SLICE ADJUSTMENT

Warning: Dial type knob adjustment (Fig. 1 [8]) allows for slice thicknesses ranging from paper thin up to 5/8". Dial graduations allow you to precisely set up specific slice thicknesses for various needs. When not in use, always return knob back to its fully closed position (beyond "0") so that the knife edge is not exposed.

POSITIVE HOLD CARRIAGE

Caution: A last slice gravity feed grip (Fig. 1 [4]) is provided which can be locked out of the way when not required. Do not use this last slice device to work the carriage back and forth. Use only the carriage arm handle (Fig. 1 [6]).

Always make sure the carriage is positively secured to the slicer by checking to see that the carriage arm knob (Fig. 1 [5]) is fully tightened. Failure to do this could result in the carriage striking and damaging the knife edge.

KNIFE GUARD

Warning: The knife guard (Fig. 1 [3D covers the knife completely except the forward edge where slicing will be performed. This forward edge is covered by the edge of the fence, but only when the slice adjustment is completely closed. The knife guard can be removed for cleaning by unscrewing the knife guard knob (Fig. 3 [64]). For safety, keep the knife guard on at all times except when cleaning. Never operate the slicer with the knife guard removed.

SHARPENING INSTRUCTIONS

This slicer is equipped with a knife having a concave or hollowed rear surface for superior slicing quality. Of course, any knife, however superior, must be sharpened regularly and properly in order to produce not only the highest quality slices, but also to allow it to maintain its productivity. The knife sharpener (Fig. 1 [2]) on this machine is a top mounted built-in design for simplicity and ease of use. It even has an automatic aligning feature.

Warning: The following sharpening procedure will provide high quality sharpening results and should also be followed for safety considerations:

1. **Warning:** Keep away from the knife edge.
2. Completely close the slice adjustment (beyond "0") so that the knife-edge is not exposed.
3. The knife's cutting area should be clean and free from food, especially grease. Grease will ruin the ability of a grinding stone to sharpen an edge. The stone simply will not cut. If cleaning is necessary, follow the procedure outlined on Page 7. Remember to unplug the electrical supply cord.
4. Loosen sharpener lock pin (Fig. 3 [4|) which bears against sharpener post. then lift sharpener assembly (Fig. 1 [2]) and rotate it 1/2 turn (or 180). Then seat it down over the knife.
5. Tighten sharpener lock pin (Fig. 3 [4]). As the lock pin is tightened, it bears on the sharpener post and automatically aligns the grinding and deburring stones to the precise orientations which are preset at our factory.
6. Turn slicer ON. Depress the sharpener button on the back side of blade and hold in. which will start the grinding wheel rotating. Run until the beveled cutting surface cleans up. This can take from 30 seconds to several minutes depending on how dull the blade was allowed to become. Release sharpener button.
7. Turn slicer OFF and check for the formation of a very slight burr on the side of knife opposite the bevel which indicates complete grinding of the bevel. This slight burr can be detected either visually or by picking with a small piece of stiff paper.
8. Turn slicer ON. Lightly press deburring (honing) button on the front side of blade and hold for 1 to 2 seconds while you turn OFF the slicer. Blade should now be completely sharpened and honed.

   Caution: It is very important for best slicing results not to deburr the knife too long or the keen edge will be destroyed due to the formation of an undesirable second bevel

9. Turn slicer OFF. Loosen lock pin, then lift and return sharpener to its storage position. Tighten lock pin.

10. Clean slicer and knife according to the cleaning procedure on Page 7 in order to thoroughly remove grinding debris.

OPERATORS CARE OF SLICER

CLEANING

1. **Warning:** Never touch the knife. Always keep your hands, fingers and arms clear of knife.

2, **Warning:** Turn off slicer and DISCONNECT ELECTRICAL CORD (Fig. 1 |13|) before cleaning. Leave knife guard in place.

3. Turn slice adjustment knob (Fig. 1 [8]) to the fully closed position (beyond "0") so that the knife edge is not exposed.

4. **Caution:** Remove carriage assembly (Fig. 1 [121) which may be washed in a sink. Use care in washing the sharply pointed prongs on the last slice feed grip. Wash this area thoroughly. A small bristle brush is recommended. Use only warn water and mild soap. Rinse carriage assembly with warm water and dry thoroughly using a clean soft cloth.

   Never use detergents nor wash the slicer or any of its parts in a dishwashing machine or the clear protective finish will be damage.

5. **Warning:** Wash body of slicer using warm water and mild soap using a soft cloth. Rinse using a clean, soft cloth. Under no circumstances should the slicer be hose rinsed. It is recommended that the cloth be folded over a thin wooden stick when cleaning between the fence plate and the knife.

6. Remove knife guard (Fig. 1 [3]) by loosening knife guard knob (Fig. 3 [64]) and pushing the long stud upward to lift knife guard above surface of knife. Then carefully lift and remove guard.

7. **Warning:** CAREFULLY wash the front and rear of the knife with a cloth using warm water and mild soap. It is recommended that the cloth be folded over a thin wooden stick as a further caution to avoid accidental contact with the knife Rinse with warm water applied with a cloth. Dry thoroughly with a clean soft cloth

8. **Caution:** Following cleaning, a commercial non-toxic sanitizer may be wiped on the clean surfaces with a soft clean cloth or sprayed as recommended on the container labeling. It is important that the sanitizer be compatible with anodized aluminum or the clear protective finish on the slicer will be damaged. Surfaces should be wetted completely, but not to the point of running or puddling.

9. **Warning:** Replace the knife guard. Never leave the slicer without its knife guard installed!

LUBRICATION

Lubrication instructions are given in Figures 2 and 2A on pages 10 and 11. Operator's attention is called to lubricating the slide bar (Fig. 4 [52]) as needed for smooth carriage motion, at least monthly with three drops of mineral oil.

The shaft of the last slice device (Fig. 4 [19]) should be lubricated as necessary with petrogel to maintain light film. Distribute over surfaces by moving the grip and fence back and forth. Wipe excess film from shafts with a clean cloth.

MECHANICS MAINTENANCE

Every year a mechanic or service technician should perform the following inspection and carry out the respective maintenance as required:

Warning: FOR SAFETY, TURN OFF SLICER AND DISCONNECT ELECTRICAL CORD.

1. **BELT DRIVE** - This drive features a multi-ribbed high performance belt for long trouble-free service. Inspect belt for proper tension. If glazed or excessively worn. replace. A tensioning device automatically allows for normal belt wear-in and stretching. However, if additional tension is required, it may be obtained by turning adjustment nuts (Fig. 3 [52]) clockwise on take-up rod (Fig. 3 [58]) which will further compress the tensioning spring. As a guideline, the compressed length of the spring should be approximately 7/8".

2. **MOTOR** - Motor is pre-lubricated and requires no periodic maintenance or relubrication in normal kitchen usage. Provision for relubrication in extreme duty applications is provided by means of oiling orifices at both shaft end and opposite ends of motor. A light weight electric motor oil or #10 non-detergent oil may be used.

3. **SLICE ADJUSTMENT** - Check, by turning the slice adjustment knob (Fig. 5 [2]), to make sure that the fence is closing completely (below "0" on knob) and that knife edge is not exposed. If fence is not closing all the way such that the edge of the knife is exposed, check first for damage or obvious obstructions. If there is no obvious damage to parts or obstructions, turn knob to highest number it will go, hold knob in place and loosen set screw (Fig. 5 [10]); now hold cam (Fig. 5 [9]) in place and turn the knob to "12-1/4"; retighten set screw (Fig. 5 [10]). Check fence again to make sure that the fence is closed completely (below "0" on knob) and that the knife is not exposed. The closed or zero set position on the knob should be in the white colored zone of the knob's dial.

4. **CARRIAGE** - Check for free smooth operation of last slice device and for smooth travel of carriage arm (Fig. 4 [23]). Check for excess backlash between slide bearing (Fig. 4 [50]) and carriage slide (Fig. 4 [55]). The correct lash (clearance) required for smooth carriage operation is obtained when a very slight lash or movement can be detected. Too much lash can result in the carriage striking and damaging the knife edge. Too little lash results in binding and a loss of smoothness in carriage travel. Lash is adjusted by loosening locknut (Fig. 4 [47]) and turning brass rubbing screw (Fig. 4 [48]) clockwise to reduce lash and counterclockwise to increase lash. Tighten locknut while holding rubbing screw stationary with a screwdriver so it does not move. Grease only the side of the carriage slide (Fig. 4 [55]) on which this brass rubbing screw slides.

5. **LUBRICATION & FUNCTION CHECK** - General lubrication should be performed in accordance with the lubrication instructions in Fig. 2 and 2A. During this lubrication

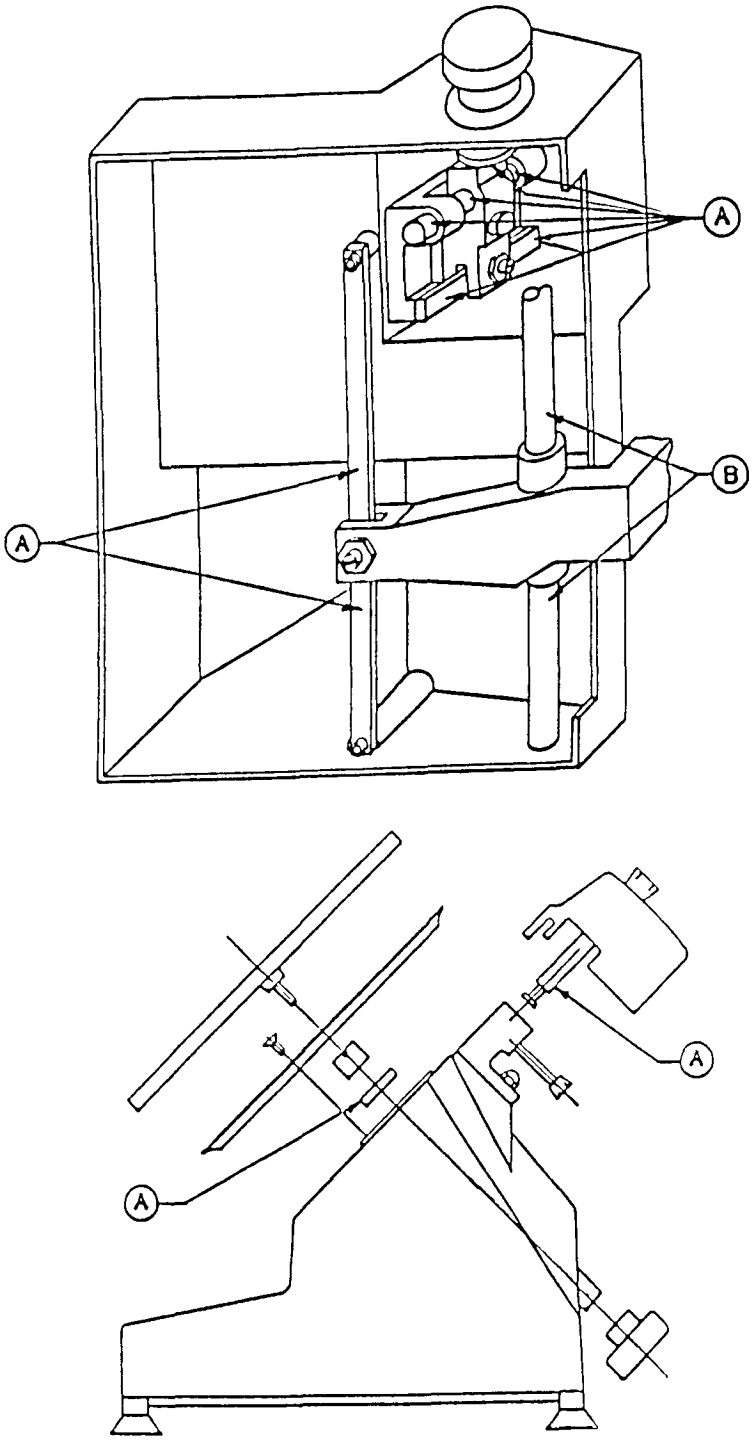
sequence, be sure to check for free operation and movement of related parts as well as for excessive wear and looseness of various parts. Be sure to check all handles and knobs for tightness.

6. **KNIFE** - Check knife edge to see that it has been properly sharpened. If there is any evidence of incorrect sharpening procedure, such as excessive honing, alert owner and operator.

LUBRICATION INSTRUCTIONS

MODEL 6509

FIGURE 2



A - Petrogel, often as required to maintain light film.

B - Oil monthly, three drops mineral oil.

TROUBLESHOOTING GUIDE 6509

TROUBLE	POSSIBLE CAUSE	REMEDY
1. Slicer will not operate.	1.1 Electrical service down. 1.2 Burned switch contacts. 1.3 Motor capacitor defective. 1.4 Burned out motor.	1.1 Check electrical service. Replace fuse or reset circuit breaker as necessary. 1.2 Replace switch. 1.3 Replace 1.4 Remove, test, repair or replace.
2. Motor straining but will not turn (humming sound).	2.1 Belt tension too tight.	2.1 Readjust belt tension. NOTE: Often after a long period of no use, such as in storage, the bell flows and takes a set in the pulley ribs. A slight urging of the knife with a wooden stick will get the slicer turning with no further problems. Do not use hands to turn the knife.
3 Slippage of knife during slicing.	3.1 Loose belt. 3.2 Grease or oil on belt.	3.1 Tighten belt tension. 3.2 Clean pulleys with safety approved cleaning solvent on soft clean rag. Replace belt.
4. Motor stalls during slicing.	4.1 Knife cutting edge dull or improperly sharpened 4.2 Product such as cheese old and dried out. 4.3 Low voltage service 4.4 Belt tension excessive.	4.1 Sharpen using the procedure specified. Use care not to use honing stone longer than the 1 to 2 seconds. 4.2 Reduce thickness of slice 4.3 Have electrician check service voltage. 4.4 Readjust belt tension.
5. Excessive noise.	5.1 Knife contacting the knife guard. 5.2 Badly worn or frayed drive belt. 5.3 Motor pulley and belt misaligned. 5.4 Loose set screw in motor pulley. 5.5 Dirty knife rubbing against plastic scraper.	5.1 Tighten knob which secures guard. 5.2 Replace belt. 53. Realign motor pulley 5.4 Tighten set screw 5.5 Clean knife and plastic scraper.
6. Smearing or tearing when slicing soft cheese.	6.1 Soft cheese is at room temperature. 6.2 Knife dirty with hard dried-on product.	6.1 Chill soft cheese for best slicing results 6.2 Clean knife thoroughly

REPAIR INSTRUCTIONS

Including disassembly, replacement and reassembly.

Warning: Always turn off slicer and disconnect electrical cord before doing any maintenance or repair of the slicer. Keep guards on at all times. Keep slice adjustment fully closed so knife edge is not exposed. Keep sharpener assembly also in place so top of knife edge is not exposed.

DRIVE BELT REPLACEMENT

Warning/Caution:

1. Disconnect electrical power cord.
2. Loosen sharpener lock pin (Fig. 3 [4]). Lift and remove sharpening unit. Set aside.
3. Remove knife guard knob (Fig. 3 [64]) and carefully remove knife guard (Fig. 3 [40]) (See knife replacement, page 14)
4. Using caution to avoid the sharp knife edge, remove the three screws (Fig. 3 [43]) that secure the knife. Carefully remove knife and set aside with its flat side down, flush on a bench so the edge is not exposed.
5. Remove four rubber suction feet (Fig. 5 [13]) that secure bottom cover (Fig. 5 |12]) to slicer.
6. Remove nuts (Fig. 3 [52]) from tensioning take-up rod (Fig. 3 [58]) so motor can be pivoted to give belt slack. Be careful not to lose tensioning spring (Fig. 3 [50]).
7. Unwrap belt from motor pulley.
8. Remove belt guard (Fig. 3 [46]) by removing 7 screws (Fig. 3 [45]).
9. Unwrap and remove drive belt from the knife pulley (Fig. 3 [37]).
10. Install replacement belt on knife pulley and on motor pulley. DO NOT reinstall knife at this time.
11. Reinstall spring and nuts on tensioning take-up rod (Fig. 3 [58]) and tighten. It is important to make sure that the belt is aligned on both pulleys.
12. Belt tension is correct when the spring is compressed to an overall length of 7/8".
13. Connect electrical power cord and operate slicer to check that belt and pulley are running true.
14. Turn off slicer and disconnect electrical power cord.
15. Reinstall bottom cover and secure with the four suction feet.
16. Reinstall belt guard
17. Using caution, reinstall knife and secure with three screws.
18. Reinstall knife guard and secure with knife guard knob.
19. Reinstall sharpener and secure with lock pin.

KNIFE REPLACEMENT

1. Disconnect electrical power cord.
2. Loosen sharpener lock pin (Fig. 3 [4]), then lift and remove sharpening unit. Set aside.
3. Remove knife guard knob (Fig. 3 [64]) and carefully remove knife guard (Fig. 3 [40]).
4. Using caution to avoid the sharp knife edge, remove the three screws (Fig. 3 [43]) that secure knife (fig. 3 [44]).
5. Carefully remove knife and set aside with its flat side down flush on a bench so the edge is not exposed.
6. Reinstall new knife in the reverse procedures outlined above.
7. Even though a new knife is very sharp, the sharpening procedure specified on page 6 should be performed to true the new knife's bevel to the slicer.

Warning: Worn knife should be disposed of in a safe responsible way. showing concern for others who may handle it. It is recommended that the edge of the knife be wrapped several times with heavy tape and that a caution (CAUTION, SHARP EDGE) be written on both sides of the knife.

KNIFE SEAL

Warning/Caution:

1. Disconnect electrical power cord.
2. Loosen sharpener lock pin (Fig. 3 [4]), then lift and remove sharpening unit-
3. Remove knife guard knob (Fig. 3 [64]) and carefully remove knife guard (Fig. 3 [40]).
4. Caution: Remove knife per knife replacement instructions (page 14), unscrew and remove knife insert stud (Fig. 3 [39]). Retain shims that may have been used in assembly.
5. Using a small screwdriver, carefully pry and remove the knife seal (Fig. 3 [38]) from the knife pulley (Fig. 3 [37]).
6. Apply light film of mineral oil on outer diameter and lip of rubber seal.
7. Clean recess in pulley.
8. Drive seal into recess in pulley using care to avoid damage to seal. Seal should be seated uniformly.
9. Check knife insert stud (Fig. 3 [39]) for small sharp burrs that may have been raised during its removal. Remove burrs if present with a fine toothed file. If burrs are not removed they will destroy the seal very quickly.
10. Reinstall knife insert stud and shims that may have been present. Apply three drops of mineral oil to the seal/stud interface.

11. Reinstall knife, knife guard and sharpener in the reverse procedure outlined above.

SHARPENING STONES

1 Disconnect electrical cord.

2. Unscrew sharpener lock pin (Fig. 3 [4])-

3. Lift up sharpening assembly (Fig. 1 [2]) and remove from slicer.

4. Using an open end wrench, unscrew cover knob (Fig. 3 [23]). It is recommended that a piece of tape or paper be temporarily wrapped around knob prior to unscrewing it so as to protect its finish.

5. Gently remove sharpener cover (Fig. 3 [22]) off of mounting block (Fig. 3 [27]). Perform this step slowly taking care to remove cover evenly from the two locating pins on which it fits snugly.

6. Unscrew nut (Fig. 3 (1 1|) and remove along with washer and sharpening stone (Fig. 3 [9]).

7. Install new sharpening stone. Flat face should be toward the outside.

8. Honing (deburring) stone (Fig. 3 [18]) is removed by first unscrewing lock screw (Fig. 3 |13j) from thimble (Fig. 3 [12]).

9. Gently remove thimble taking care to not lose the small ball bearing and spring (Fig. 3 [14 & 15]) which are inside.

10 Unscrew nut (Fig. 3 [16]) and remove along with washer and honing stone (Fig. 3 118]).

11. Install new honing stone with the flat face toward the inside.

12. Reattach cover and reinstall in the reverse procedures (5 through 1).

REPLACEMENT OF PARTS LISTS

Replacement parts for the Slicing Machine are shown in the following figures. When ordering replacement parts, always include the model and serial numbers of the machine in addition to the specific part number.

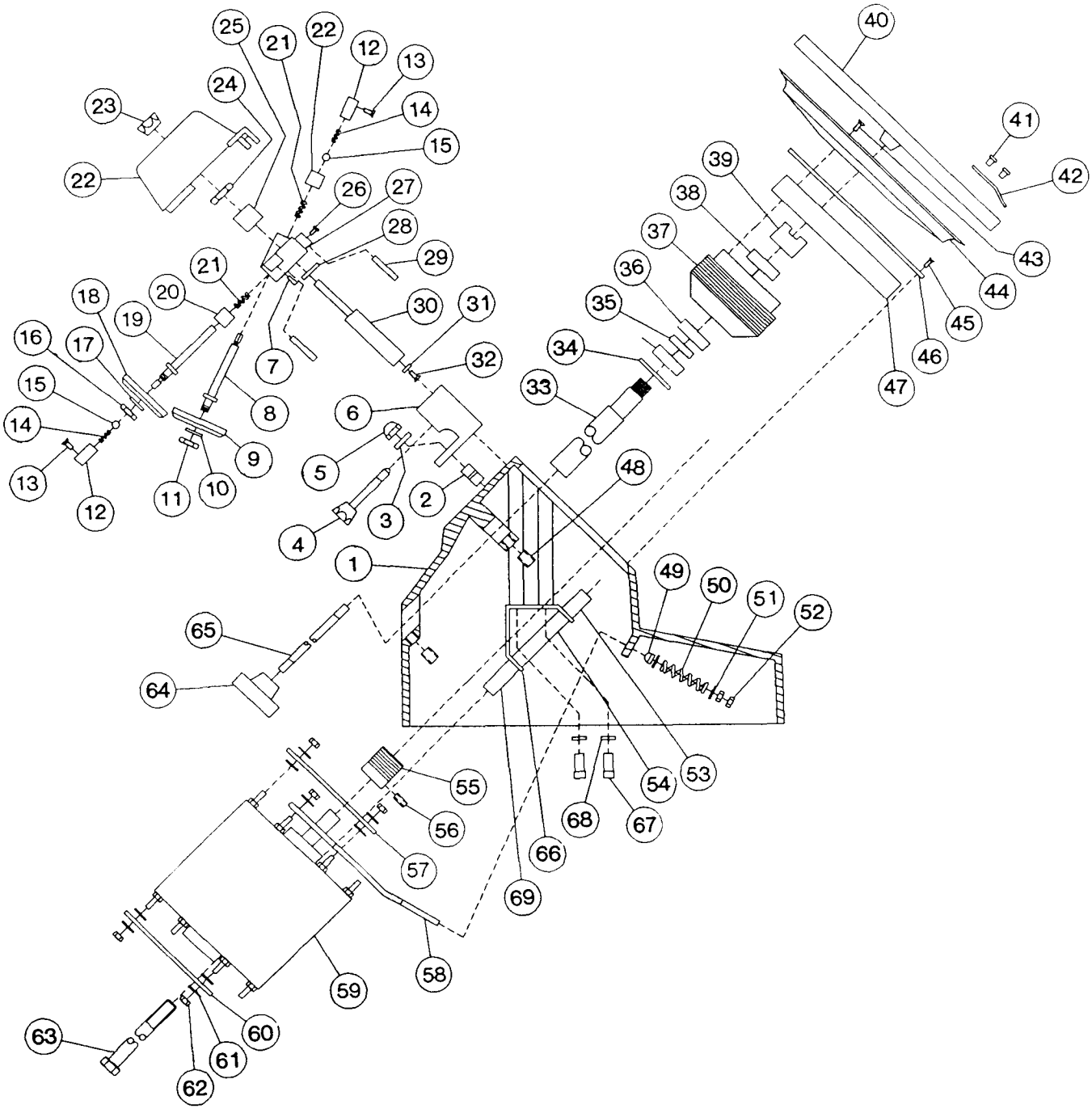
SHARPENER, KNIFE, PULLEY AND MOTOR ASSEMBLIES
FIGURE 3

ILLUS. NO.	PART NO.	DESCRIPTION	QTY.
1	6509001	HOUSING, SLICER	1
2	6509119	STUD, SHARPEN BRACKET	1
3	6509121	WASHER	1
4	7510150	PIN, SHARPENER LOCK	1
5	6509081	NUT, ACORN, M8-1.25	1
6	6509118	BRACKET, SHARPENER	1
	6509154	**SHARPENER ASSEMBLY** INCLUDES NO. 7 THRU 32	
7	8512728	PIN, SHARPENER ASSEMBLY	2
8	6509141	STUD, .LOWER STONE	1
9	6509142	STONE, LOWER	1
10	6509144	WASHER, M6 FLAT	1
11	6509143	NUT, M6-1.0 HEX	1
12	6509 35	BUTTON. STONE DEPRESS	2
13	6509 36	SCREW, M3-0.5 X 5 OVAL HD SLOTTED	2
14	6509 34	SPRING. DEPRESS BUTTON	2
15	6509 33	BALL BEARING	2
16	6509 31	NUT. M8-1.25 HEX	1
17	6509 32	WASHER, M8 FLAT	1
18	6509130	STONE, UPPER	1
19	6509129	STUD, UPPER STONE	1
20	6509128	BUSHING. STONE	2
21	6509127	SPRING. STONE	2
22	6509151	COVER, SHARPENER	1
23	6509153	KNOB, SHARPENER	1
24	6509150	NUT, COVER SPACER	1
25	6509149	SPACER, COVER	1
26	6509137	SCREW, UPPER STONE STUD	1
27	6509126	MOUNT SHARPENER	1
28	6509125	WASHER, SET PIN	1
29	6509147	STUD. MOUNTING	2
30	6509124	PIN, SET	1
31	6509123	SPACER, SET PIN	1
32	6509122	SCREW, M4-0.7 X 10 FLAT HD SLOTTED	1
		PULLEY ASSEMBLY INCLUDES NO. 33 THRU 39	
33	6509006	SHAFT, PULLEY	1
34	6509007	SNAP RING, PULLEY	1
35	6509008	SPACER, PULLEY	1
36	1012167	BEARING. PULLEY	2
37	6509157	PULLEY	1
38	6509012	BUSHING, PULLEY	1
39	650901 1	INSERT, PULLEY	1
		KNIFE GUARD ASSEMBLY INCLUDES NO. 40 & 41	
40	6509015	GUARD, KNIFE	1
41	8512241	PIN, SCRAPER	2
42	8512240	SCRAPER, KNIFE	1
43	6509014	SCREW. M5-0.8 X 10 FLAT HD SLOTTED	3
44	6509013	BLADE	1

SHARPENER, KNIFE, PULLEY AND MOTOR ASSEMBLIES
FIGURE 3 (CONT)

ILLUS. NO.	PART NO.	DESCRIPTION	QTY.
45	6509020	SCREW, M3-0.5 X 8 FLAT HD PHIL	7
46	6509019	GUARD, BELT	1
47	6509155	BELT	1
48	6509005	SET SCREW, M8-1.25 X 10 CUP POINT	2
49	6509103	COLLAR, MOTOR ADJ.	1
50	6509104	SPRING, MOTOR ADJ.	1
51	1200076	WASHER, NO.10 FLAT	2
52	1200060	NUT, 10-32 HEX	2
53	7120039	SPACER, MOTOR	1
54	6509802	SPACER. MOTOR	1
		MOTOR ASSEMBLY INCLUDES NO. 55 THRU 62	
55	6509156	PULLEY, MOTOR	1
56	6509098	SET SCREW, M6-1.0 X 8 CUP POINT	1
57	6090003	BRACKET, MOTOR MOUNTING, RIGHT	1
58	6509099	BRACKET, MOTOR ADJ.	1
59	6090000	MOTOR, 115V, 50/60HZ, 1PH, 1/3HP	1
	6090002	MOTOR, 220-240V, 50/60HZ, 1PH, 1/3HP	1
60	7120005	BRACKET, MOTOR MOUNTING, LEFT	1
61	1200076	WASHER, #8 FLAT	9
62	1200058	NUT, 8-32 HEX	5
63	6090005	BOLT, 7/16-14 X 5-1/2 HEX HD	1
64	6509017	KNOB, KNIFE GUARD	1
65	6509016	SHAFT, KNIFE GUARD	1
66	6509804	BRACKET, MOTOR MOUNTING	1
67	7510251	SCREW, M6-1 X 16 HEX SOCKET HD	2
68	6509144	WASHER, FLAT M6	2
69	6509801	SPACER. MOTOR	1

SHARPENER, KNIFE, PULLEY AND MOTOR ASSEMBLIES
FIGURE 3



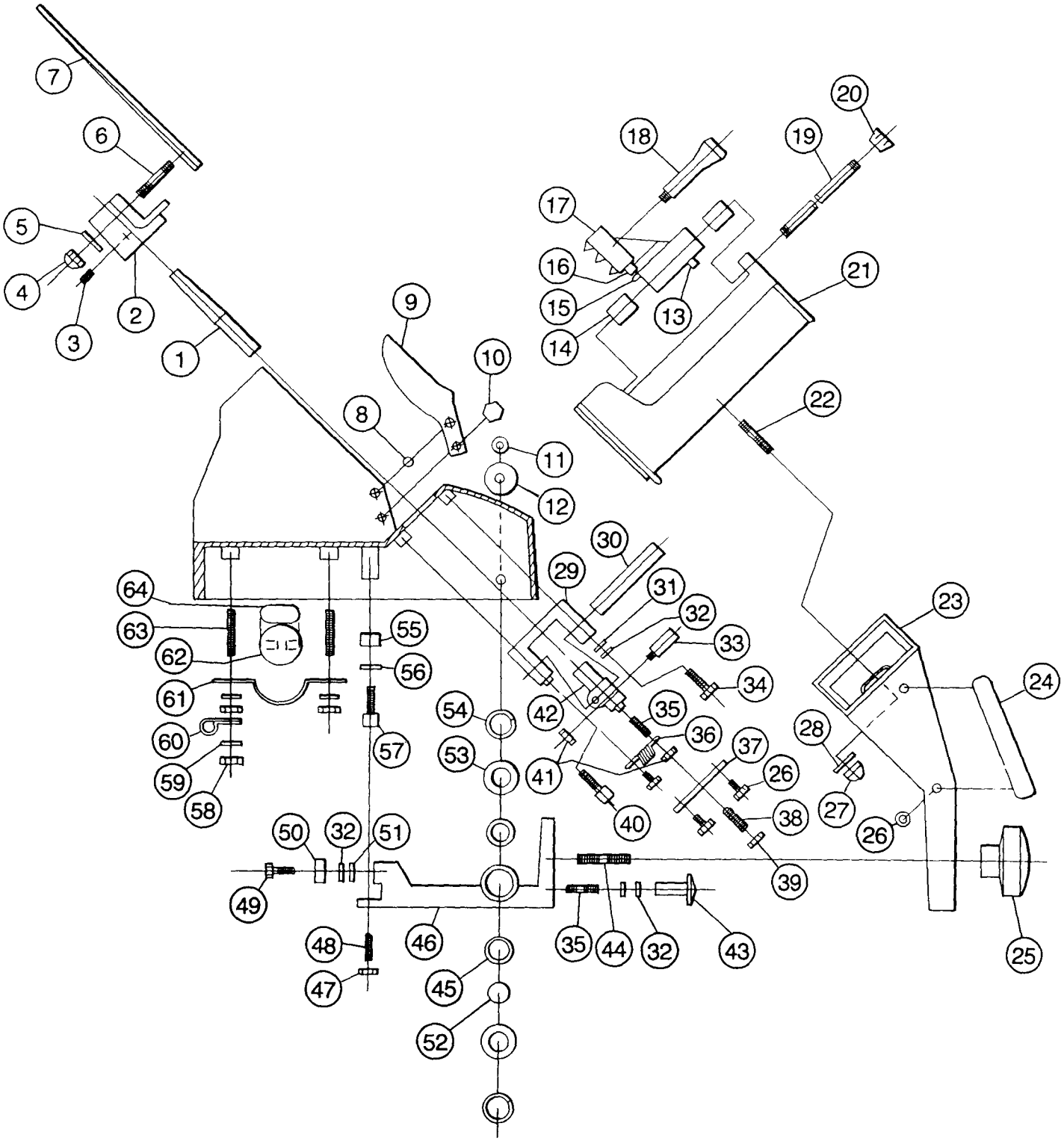
FENCE, FENCE ADJUST, CARRIAGE, CARRIAGE ARM CARRIAGE ARM SUPPORT AND FEED GRIP ASSEMBLY
FIGURE 4

ILLUS. NO.	PART NO.	DESCRIPTION	QTY.
		FENCE MOUNTING BRACKET AND SHAFT ASSEMBLY	
		INCLUDES NO. 1 THRU 3	
1	6509076	SHAFT, FENCE ARM	1
2	6509077	BRACKET, FENCE MOUNTING	1
3	6509083	SET SCREW, M6-1.0 X 12 CUP POINT	2
4	6509081	NUT, ACORN M8-1.25	2
5	6509082	WASHER	2
6	6510080	STUD	2
7	6509079	FENCE	1
8	6512206	PIN	1
9	6509022	DEFLECTOR	1
10	6509024	SCREW. DEFLECTOR	1
11	8512229	SCREW, M5-0.8 X 12 FLAT HD SLOTTED	2
12	6509037	WASHER	2
		CARRIAGE AND FEED GRIP ASSEMBLY	
		INCLUDES NO. 13 THRU 22	
13	6509158	NYLON TIP	1
14	6509053	BUSHING. FEED GRIP	2
15	6509159	PIN	1
16	6509160	NYLON TIP	1
17	6509052	FEED GRIP	1
18	6509054	HANDLE, FEED GRIP	1
19	6509049	SHAFT, FEED GRIP	1
20	6509153	KNOB, FEED GRIP	1
21	6509048	CARRIAGE	1
22	6509057	BOLT, CARRIAGE LOCK	1
		CARRIAGE ARM ASSEMBLY	
		INCLUDES NO. 23 THRU 25 AND 2 OF 26	
23	6509043	ARM, CARRIAGE	1
24	6509045	HANDLE, CARRIAGE ARM	1
25	6509044	KNOB, CARRIAGE ARM	1
26	6509046	SCREW, M6-1.0 X 16 HEX WASHER HD	5
27	6509058	NUT, ACORN, M10-1.5	1
28	6509059	WASHER, CARRIAGE ARM	1
		FENCE ADJUSTMENT ASSEMBLY	
		INCLUDES NO. 29 THRU 42, ONLY 1 OF 32, ONLY 1 OF 35, AND 3 OF 26	
29	6509060	FRAME, FENCE ADJ.	1
30	6509069	SHAFT, FENCE ADJ.	1
31	6512802	WASHER, M8 EXTERNAL TOOTH	1
32	6509132	WASHER, M8 FLAT	4
33	6509071	PIN, FENCE ARM SHAFT	1
34	8512527	SCREW, M8-1.25 X 25 HEX HD	1
35	8512326	SET SCREW, M8-1.25 X 22 CUP POINT	2
36	6509061	SPRING, FENCE ADJ.	1

FENCE, FENCE ADJUST, CARRIAGE, CARRIAGE ARM CARRIAGE ARM SUPPORT AND FEED GRIP ASSEMBLY
FIGURE 4 (CONT)

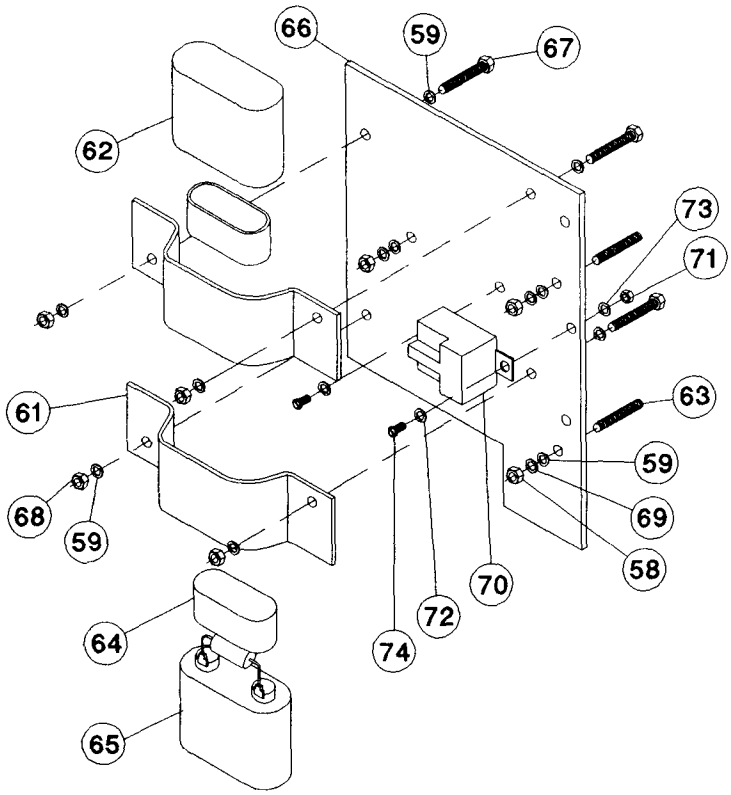
ILLUS. NO.	PART NO.	DESCRIPTION	QTY.
37	6509064	SUPPORT, FENCE ADJ	1
38	6509073	SET SCREW, M6-1 0 X 20 FLAT POINT	1
39	6509074	NUT, M6-1 0 HEX	1
40	6509067	SCREW, M6-1 0 X 18 HEX SOCKET HD	1
41	6509072	NUT, M8-1 25 HEX	1
42	6509070	SUPPORT, FENCE ARM SHAFT	1
		CARRIAGE ARM SUPPORT ASSEMBLY	
		INCLUDES NO 43 THRU 51, 2 OF 32, 1 OF 35	
43	8512325	ANCHOR. CARRIAGE ARM	1
44	6509042	BOLT, CARRIAGE ARM	1
45	6509026	BUSHING, CARRIAGE ARM SUPPORT	2
46	6509025	SUPPORT, CARRIAGE ARM	1
47	6509033	NUT, M10-1 5 HEX	1
48	6509032	ROLLER, NYLON	1
49	8512308	SCREW, M8-1 25 X 20 HEX HD	1
50	6509031	BEARING, ROLLER	1
51	8512802	WASHER LOCK	1
52	6509034	BAR, CARRIAGE SLIDE	1
53	6509036	WASHER	2
54	6509035	SPRING, SLIDE BAR	2
55	6509039	SLIDE, CARRIAGE	1
56	6509041	WASHER, M6 FLAT	2
57	6509040	SCREW, M6-1 0 X 30 HEX SOCKET HD	2
		FOR 115V, ONLY	
		SEE FIG. 4A FOR 220V-240V	
		SEE FIG. 4B FOR 100 V	
58	7120017	NUT, M5-0 8 HEX	3
59	1200076	WASHER, FLAT NO 10	3
60	4400101	TIE DOWN, CORD	1
61	4400024	BRACKET CAPACITOR 115V	1
62	7120001	CAPACITOR, 20MFD, 370V, 50/60HZ, 115V	1
63	6509113	STUD, M5-0 8 x 25MM	2
64	7120008	BOOT, CAPACITOR	1

FENCE, FENCE ADJUST, CARRIAGE, CARRIAGE ARM
CARRIAGE ARM SUPPORT AND FEED GRIP ASSEMBLY
FIGURE 4



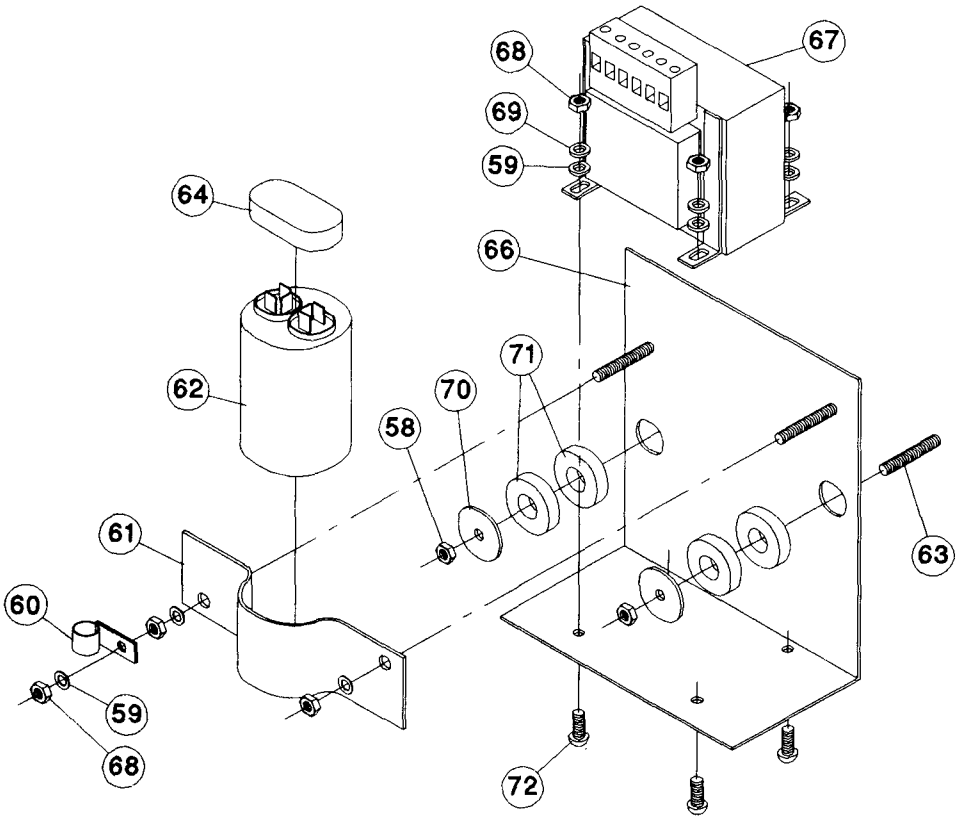
CAPACITOR PANEL
220-240V, 50/60HZ, 1PH
FIGURE 4A

ILLUS. NO.	PART NO.	DESCRIPTION	QTY.
58	7120017	NUT, HEX M5-0.8	3
59	1200076	WASHER, FLAT NO. 10	11
60	NOT USED		
61	4400224	BRACKET, CAPACITOR 220-240V	2
62	7120051	CAPACITOR, 5MFD	1
63	6509113	STUD, M5-0.8 X 25MM	3
64	7120008	BOOT, CAPACITOR	2
65	7120056	CAPACITOR WITH RESISTOR	1
66	7120052	PANEL, CAPACITOR	1
67	1200415	SCREW, HEX HD 10-32 X 1 1/4	4
68	1200060	NUT, HEX 10-32	4
69	4400065	WASHER, LOCK NO. 10	3
70	7120055	RELAY	1
71	1200429	NUT, HEX 6-32	2
72	1200093	WASHER, FLAT NO. 6	2
73	1200430	WASHER, LOCK NO. 6	2
74	4400204	SCREW, PAN HD 6-32	2



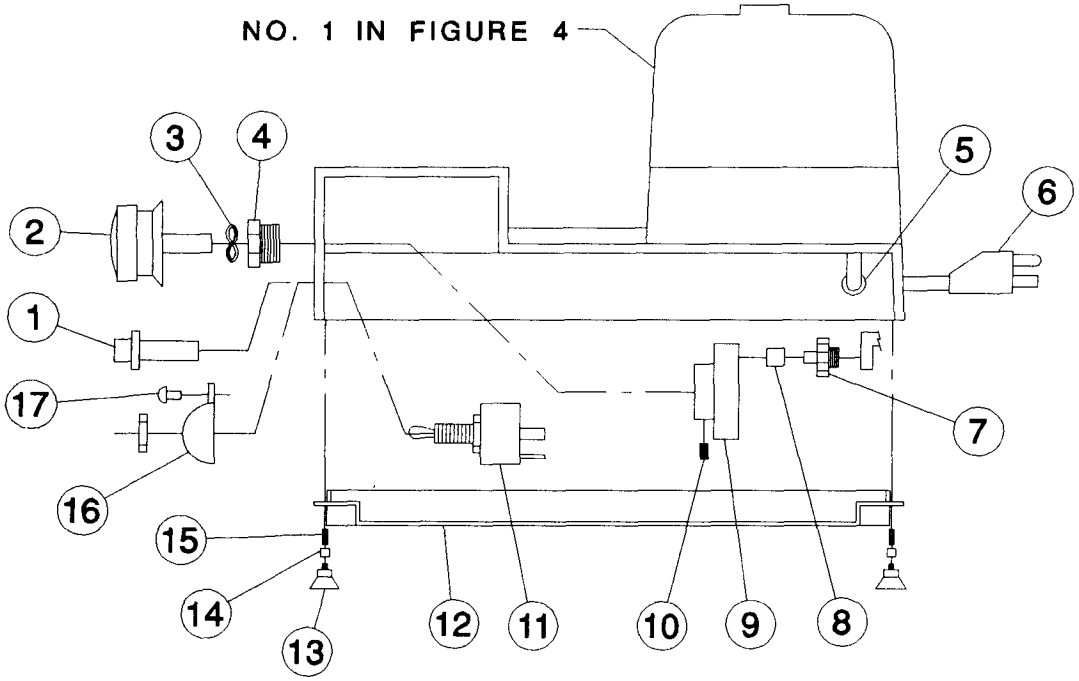
CAPACITOR PANEL
100V, 50/60HZ, 1PH
FIGURE 4B

ILLUS. NO.	PART NO.	DESCRIPTION	QTY.
58	7120017	NUT, M5-0.8	2
59	1200076	WASHER , FLAT NO. 10	7
60	4400101	CLAMP, CABLE	1
61	4400024	BRACKET, CAPACITOR	1
62	7120001	CAPACITOR, 20MFD, 370V, 50/60HZ, 115V	1
63	6509113	STUD, M5-0.8 X 25MM	2
64	7120008	BOOT, CAPACITOR	1
65		NOT USED	
66	7100118	BRACKET, TRANSFORMER/CAPACITOR	1
67	7100117	TRANSFORMER	1
68	1200060	NUT, HEX 10-32	7
69	4400065	WASHER, LOCK NO. 10	4
70	4400414	WASHER, FENDER 1/4 ID	2
71	4400191	WASHER, RUBBER	4
62	1200012	SCREW, PPHD 10-32 X 1/2	4

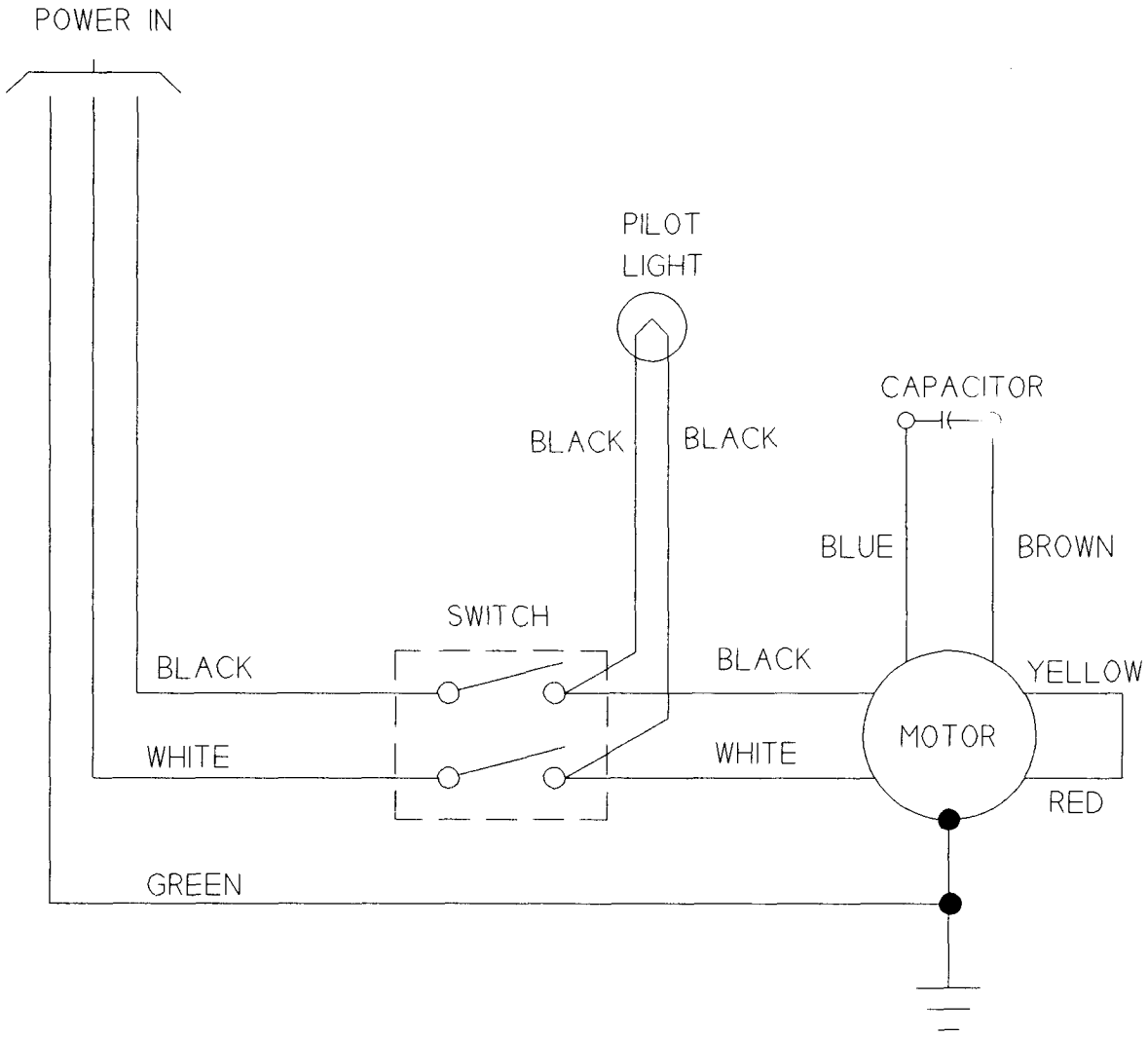


BASE & SLICE ADJUSTMENT KNOB ASSEMBLY FIGURE 5

ILLUS. NO.	PART NO.	DESCRIPTION	QTY.
1	7120014	LIGHT, 125V	1
	7120041	LIGHT, 220-240V	1
2	6509084	KNOB, SLICE ADJ	1
3	6509086	WASHER, SLICE ADJ	1
4	6509087	NUT, SLICE ADJ	1
5	1012042	STRAIN RELIEF	1
6	4400053	ELECTRIC CORD, 115V	1
		ELECTRIC CORD, 220-240V	1
7	6509090	HOLDER, CAM INSERT	1
8	6509091	INSERT, CAM	1
9	6509088	CAM, SLICE ADJ	1
10	6509089	SET SCREW, M6-1.0 X 14, CUP POINT	1
11	7120009	SWITCH, 115V, 220-240V	1
12	6090006	COVER, BOTTOM	1
	7120127	COVER, BOTTOM, (100V ONLY)	1
13	6509093	FEET, RUBBER SUCTION	4
14	7120128	SPACER, LEG, (100V ONLY)	4
15	7120129	STUD, LEG, M6-1.0 X 20MM, (100V ONLY)	4
16	7120011	GUARD, SWITCH	1
17	4400081	PIN, SWITCH GUARD	1
18	1024010	LABEL, UNIVEX (NOT SHOWN)	1
19	4400113	LABEL, STOP-UNPLUG (NOT SHOWN)	1
20	4400409	LABEL, DANGER (NOT SHOWN)	1



WIRING DIAGRAM
MODEL 6509, 115V, 50/60HZ, 1PH
FIGURE 6

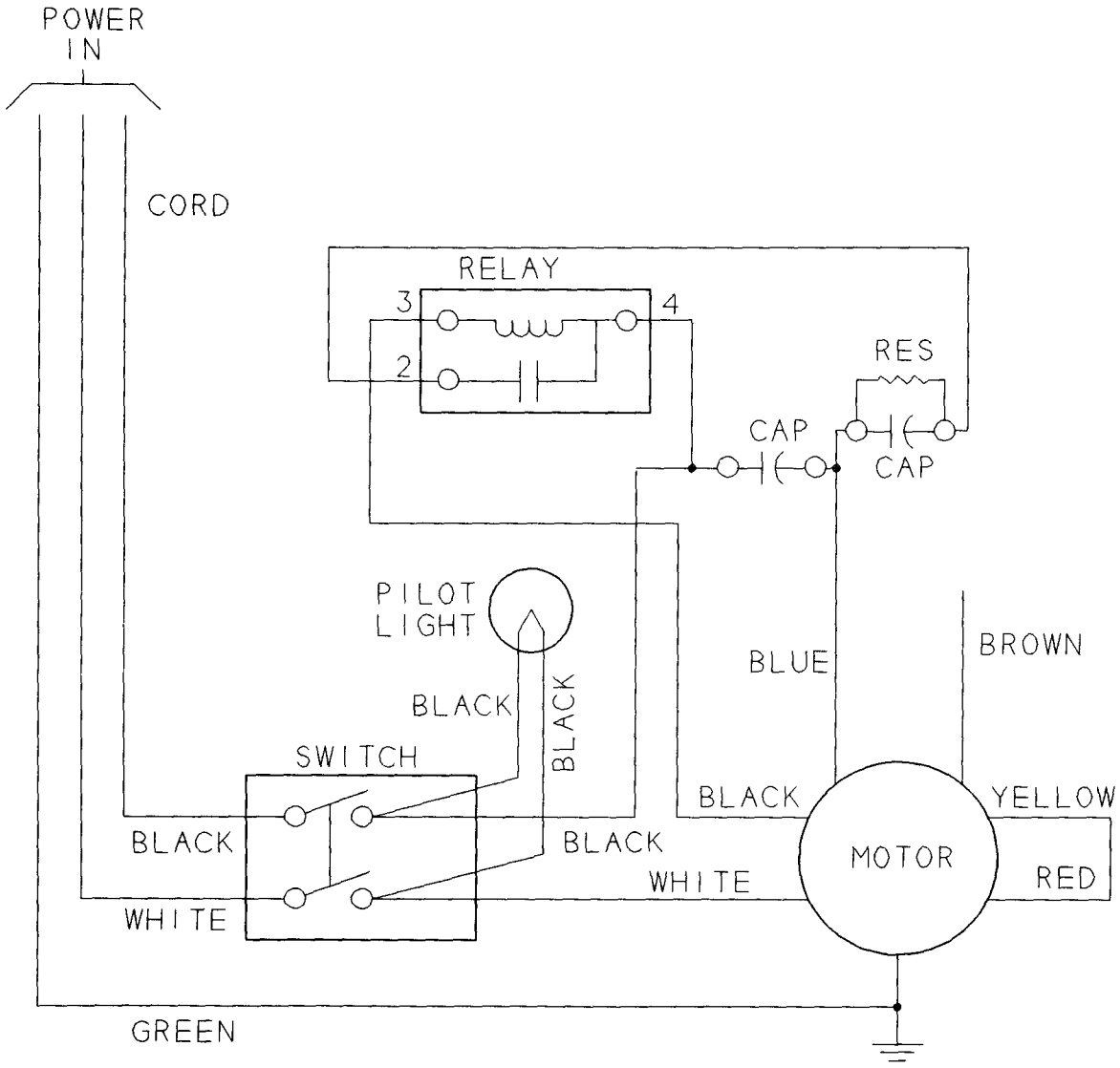


IMPORTANT

Warning: Before making electrical connections, check the specifications on the data plate to assure they agree with those of your electrical service.

Whenever cleaning or maintenance is being performed, DISCONNECT electrical cord.

WIRING DIAGRAM
MODEL 6509, 220-240V, 50/60HZ, 1PH
FIGURE 6A

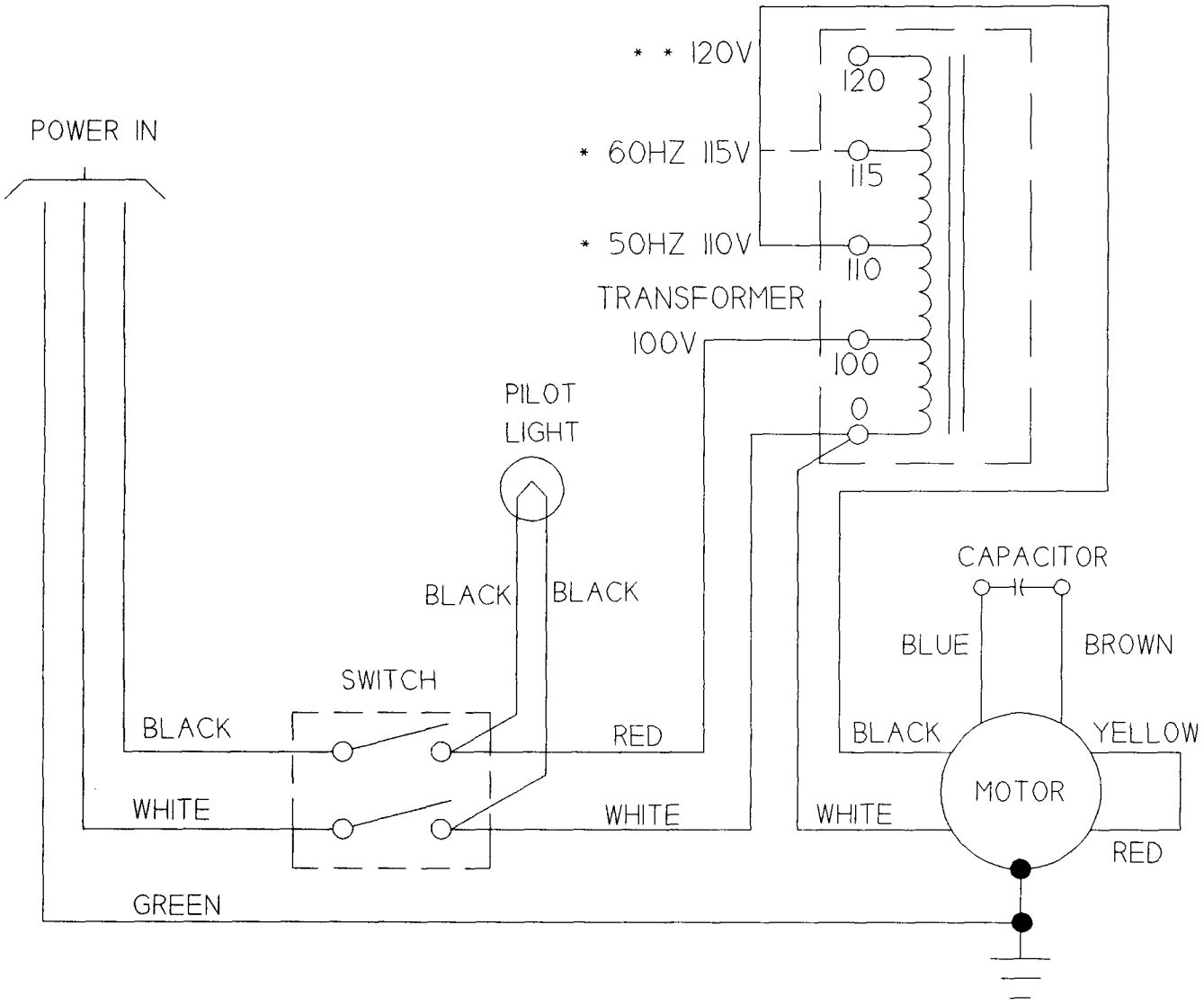


IMPORTANT

Warning: Before making electrical connections, check the specifications on the data plate to assure they agree with those of your electrical service.

Whenever cleaning or maintenance is being performed, DISCONNECT electrical cord.

WIRING DIAGRAM
MODEL 6509, 100V, 50/60HZ, 1PH
FIGURE 6B



*** CAUTION:** Installations with 50HZ electrical supplies should have black motor lead connected to 110V output terminal ONLY. Connection to higher voltage outputs could cause motor failure. The transformer has been wired at the factory for 50HZ operation at 110V output. If you have 60HZ electrical supply the black motor lead can be switched to 115V output terminal for optimal slicer performance.

*** *** The black motor lead should ONLY be connected to 120V output when the supply voltage is consistently at 90V or less (50 or 60HZ).

IMPORTANT

Warning: Before making electrical connections, check the specifications on the data plate to assure they agree with those of your electrical service.

Whenever cleaning or maintenance is being performed, DISCONNECT electrical cord.