4016 10” Professional Tablesaw

Owner’s Manual

Oliver Machinery
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M-4016 04/2018

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Warranty

Oliver makes every effort possible to assure that its equipment meets the highest possible standards of quality and durability. All products sold by Oliver are warranted to the original customer to be free from defects for a period of 2 (two) years on all parts, excluding electronics and motors, which are warranted for 1 year. Oliver's obligation under this warranty shall be exclusively limited to repairing or replacing (at Oliver's option) products which are determined by Oliver to be defective upon delivery F.O.B. (return freight paid by customer) to Oliver, and on inspection by Oliver. This warranty does not apply to defects due, directly or indirectly, to misuse, abuse, negligence, accidents, unauthorized repairs, alterations, lack of maintenance, acts of nature, or items that would normally be consumed or require replacement due to normal wear. In no event shall Oliver be liable for death, personal or property injury, or damages arising from the use of its products.

Warning

Read this manual thoroughly before operating the machine. Oliver Machinery disclaims any liability for machines that have been altered or abused. Oliver Machinery reserves the right to effect at any time, without prior notice, those alterations to parts, fittings, and accessory equipment which they may deem necessary for any reason whatsoever.

For More Information

Oliver Machinery is always adding new Industrial Woodworking products to the line. For complete, up-to-date product information, check with your local Oliver Machinery distributor, or visit www.olivermachinery.net

WARNING

Read this manual completely and observe all warning labels on the machine. Oliver Machinery has made every attempt to provide a safe, reliable, easy-to-use piece of machinery. Safety, however, is ultimately the responsibility of the individual machine operator. As with any piece of machinery, the operator must exercise caution, patience, and common sense to safely run the machine. Before operating this product, become familiar with the safety rules in the following sections.

- **Always keep guards in place and in proper operating condition.**
- **Use blade guard for every applicable operation including all through cuts. If guard is removed for special non-through cuts such as dado and rabbet cuts, replace before further use of the saw.**
- **Keep hands out of line with the saw blade.**
- **Use a push stick.**
- **Do not perform any operation freehand.**
- **Never reach around or over the saw blade.**

1. **If you are not properly trained** in the use of a tablesaw do not use until the proper training has been obtained.

2. **Read, understand and follow** the safety instructions found in this manual. Know the limitations and hazards associated with this machine.

3. **Electrical grounding:** Make certain that the machine frame is electrically grounded and that a ground lead is included in the incoming electrical service. In cases where a cord and plug are used, make certain that the grounding plug connects to a suitable ground. Follow the grounding procedure indicated in the National Electrical Code.

4. **Eye safety:** Wear an approved safety shield, goggles, or glasses to protect eyes. Common eyeglasses are only impact-resistant, they are not safety glasses.

5. **Personal protection:** Before operating the machine, remove tie, rings, watch and other jewelry and roll up sleeves above the elbows. Remove all loose outer clothing and confine long hair. Protective type footwear should be used. Where the noise exceeds the level of exposure allowed in Section 1910.95 of the OSHA Regulations, use hearing protective devices. Do not wear gloves.

6. **Guards:** Keep the machine guards in place for every operation for which they can be used. If any guards are removed for maintenance, DO NOT OPERATE the machine until the guards are reinstalled.

7. **Work area:** Keep the floor around the machine clean and free of scrap material, saw dust, oil and other liquids to minimize the danger of tripping or slipping. Be sure the table is free of all scrap, foreign material and tools before starting to use the machine. Make certain the work area is well lighted and that a proper exhaust system is used to minimize dust. Use anti-skid floor strips on the floor area where the operator normally stands and mark off machine work area. Provide adequate work space around the machine.

8. **Material condition:** Do not attempt to saw boards with loose knots or with nails or other foreign material. Do not attempt to saw twisted, warped, bowed stock.

9. **Operator position:** Maintain a balanced stance and keep your body under control at all times.

10. **Before starting:** Before turning on machine, remove all extra equipment such as keys, wrenches, scraps, and cleaning rags away from the machine.

11. **Careless acts:** Give the work you are doing your undivided attention. Looking around, carrying on a conversation, and “horseplay” are careless acts that can result in serious injury.

12. **Disconnect all power sources:** Before performing any service, maintenance, adjustments or when changing blades. A machine under repair should be RED TAGGED to show it should not be used until the maintenance is complete.

13. **Job completion:** If the operator leaves the machine area for any reason, the tablesaw should be turned "off" and the blade should come to a complete stop before their departure. The key should be placed in the “off” position, removed and given to a supervisor to prevent any unauthorized use of the tablesaw.

14. **Replacement parts:** Use only genuine Oliver Machinery factory authorized replacement parts and accessories; otherwise the warranty and guarantee is null and void.

15. **Misuse:** Do not use this Oliver tablesaw for other than its intended use. If used for other purposes, Oliver disclaims any real or implied warranty and holds itself harmless for any injury or damage which may result from that use.

16. **Drugs, alcohol and medication:** Do not operate this machine while under the influence of drugs, alcohol, or any medication.

17. **This machine is deigned** for cutting wood products only. Do not use to cut any kind of metal or substance other then wood.

18. **Never start the saw** while a work piece is in contact with the blade.

19. **Raise or lower the blade** only when the machine has been turned “off” and the blade has come to a complete stop.

20. **Miter Gauge and Rip Fence:** Never use the miter gauge and rip fence at the same time.

21. **Damaged Saw Blade:** Never use a damaged saw blade or one that has been dropped. Check the saw blade for cracks or missing teeth. Do not use a cracked or dull blade or one with missing teeth. Make sure the blade is securely locked on the arbor.

22. **Make sure** the blade is running in the proper direction. Refer to the arrow on the blade. The teeth should be pointing down when viewing from the front of the saw.

23. **Alignment:** Check the alignment of the splitter to the blade. Also, check the alignment of the fence to the miter slot.

24. **Health hazards:** Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
    - Lead from lead-based paint.
    - Crystalline silica from bricks and cement and other masonry products.
    - Arsenic and chromium from chemically-treated lumber.

    Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area, and work with approved safety equipment, such as those dust masks that are specifically designed to filter out microscopic particles.

Familiarize yourself with the following safety notices used in this manual:

CAUTION: (This means that if precautions are not heeded, it may result in minor or moderate injury and/or possible machine damage)
WARNING: (This means that if precautions are not heeded, it could result in serious injury or possibly even death).

Table of Contents **Page Number**

Specifications

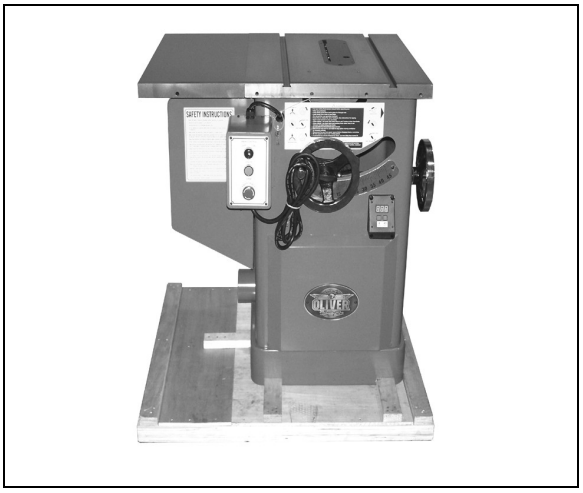
Model Number	4016
Blade Diameter (In)	10
Arbor Diameter (In)	5/8"
Maximum Depth of Cut at 90 Degrees (In)	3"
Maximum Depth of Cut at 45 Degrees (In)	2-1/4"
Maximum Cut to the Right of Blade	36”
Maximum Cut to the Left of Blade	12”
Dust Port Diameter (In)	4
Table Dimensions w/Extensions (LxW)	27” x 45-1/4"
Table Height (In)	36”
Blade Tilt	Left
Arbor Speed RPM	3,450
Gross Weight (with 36” rails and fence)	639

Oliver 4016, 10”Tablesaw

Contents of the Shipping Containers

Saw

Once the top is removed the saw will be as shown with the left extension wing already attached. Inspect for freight damage and call the freight carrier if any.



Saw

Contents

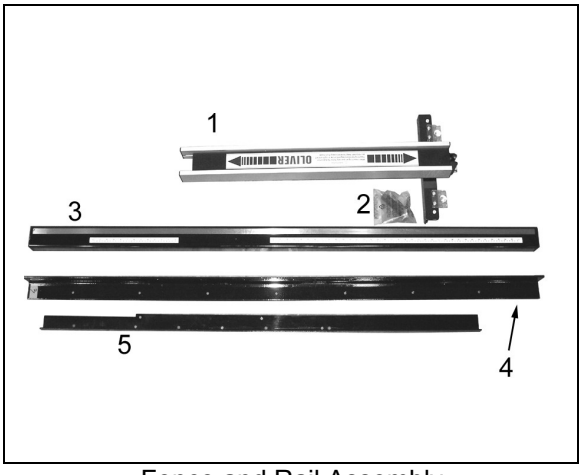
Blade guard

3. Arbor wrenches
4. Wheel handle
5. Accessory holders
6. Tools
7. Hardware packet, 5/8 & 1” arbor
8. Extension wing hardware
9. Miter gage
10. Extension wing

Contents

Fence and Rail Assembly

Fence
Lock handle
Front guide
Front guide support bracket
Rear guide



Fence and Rail Assembly

Machine Preparation and Setup

WARNING!

The equipment used to lift this machine must have a rated capacity at, or above the weight of the tablesaw. Failure to comply may cause serious injury!

The tablesaw must be positioned on a smooth, level surface. The area must be well lit and have plenty of room to maneuver with large pieces of wood.

Level the saw front to back and side to side using a level placed on the table. Use shims under the corners, if necessary, but make sure the saw is stable before being placed into service.

Clean all rust protected surfaces with a commercial solvent. Do not use acetone, gasoline, lacquer thinner or any type of flammable solvent, or a cleaner that may damage paint. Cover cleaned surfaces with WD-40 or a 20W machine oil.

Pay particular attention to cleaning in the miter slot and the faces of table and extension wing.

Extension Wing Assembly

1. Attach extension wing (A, Figure 1) to table with four hex head bolts, and four lock washers (B, Figure 1). Snug but do not tighten. **Note:** Start with one of the center holes (C, Figure 1) to hold the wing in place.

2. Slide extension wing toward the front edge of the saw table until two edges are flush.

3. Using a straight edge (D, Figure. 2), align extension wing to saw table and tighten hex cap bolts. Repeat for opposite wing.

Handwheel Assembly

1. Place handwheel (F, Figure 3) onto the saw shaft. Use an allen key to lock the wheel onto the shaft with the set screw (G, Figure 3). Insert and screw the locking handle (H, Figure 3) and the wheel handle (I, Figure 3) into their respective holes. Repeat for other.

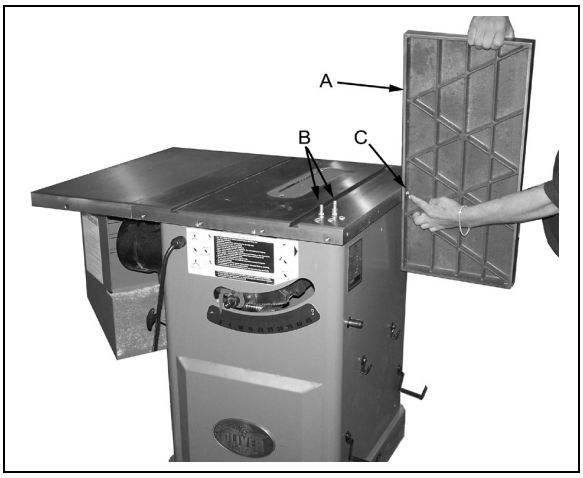


Figure 1

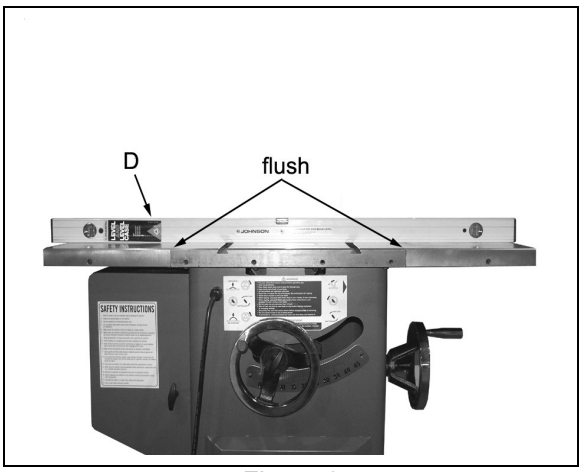


Figure 2

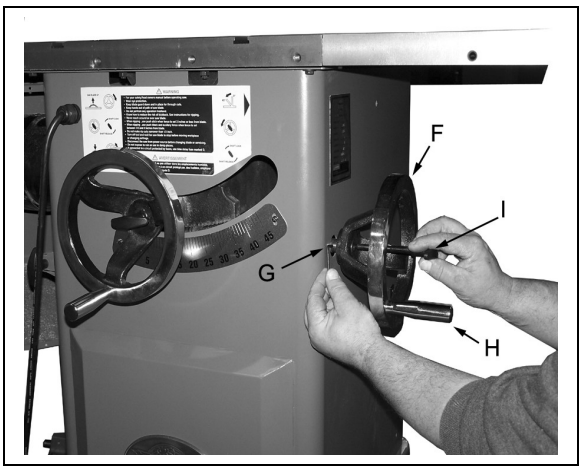


Figure 3

Rail Assembly

1. Rest the front guide support bracket on the switch box as shown in Figure 4 and secure into place using the chamfered bolts, nuts and washers provided in hardware packet 7. Note that the two outside holes require a nut and washer as well as a bolt while the four inside holes require the bolts only.

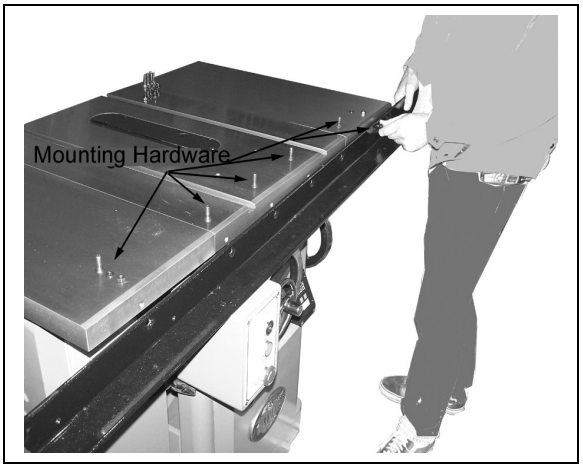


Figure 4

2. Set the front guide on the support bracket as shown in Figure 5 and secure into place with the short bolts provided in hardware packet 7.

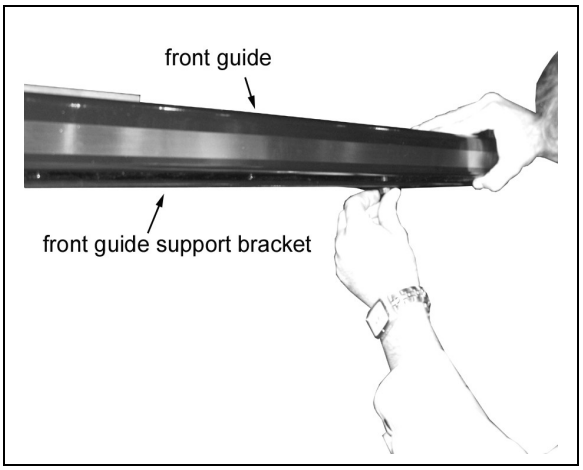


Figure 5

3. Install the rear guide as shown in Figure 6 using the supplied hardware. Note that the two outside holes require a nut and washer as well as a bolt while the four inside holes require the bolts and washers only.

Figure 6

Fence Assembly and Adjustment

1. Place the fence on the guides as shown in Figure 7. Look for the rubber nib on the underside of the fence as shown and make sure it lines up with the back support rail.

2. Align the fence with the miter guage slot as shown in Figure 7 and check to see if the fence is parallel to the slot.

3. If the fence is not parallel to the miter guage slot, lift the fence off the guides and place it on the table as shown in Figure 8. Turn the appropriate screw, A to compensate for the difference. Place the fence back on the guides and check again for alignment to the miter guage. If it is still mis-aligned, repeat the procedure.

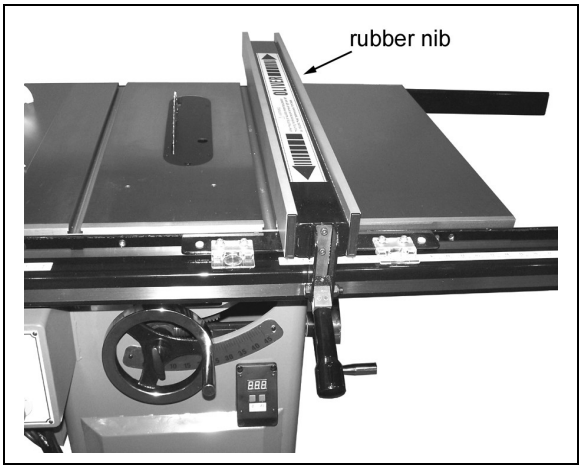


Figure 7

Adjusting the Scale Reader

1. Raise the blade to its maximum height.

2. Place the fence on the guides on the right side of blade and then slide the fence toward the blade. Continue until the fence just touches the saw teeth. Do not push too hard or the blade will deflect.

3. Looking at the right side scale reader, the red pointer should match up with the zero mark. If not, loosen the two screws, B, Figure 9 and slide the viewer to align the mark with zero. Tighten the screws.

4. Move the fence to the left side of the blade and repeat the procedure for the left side viewer.

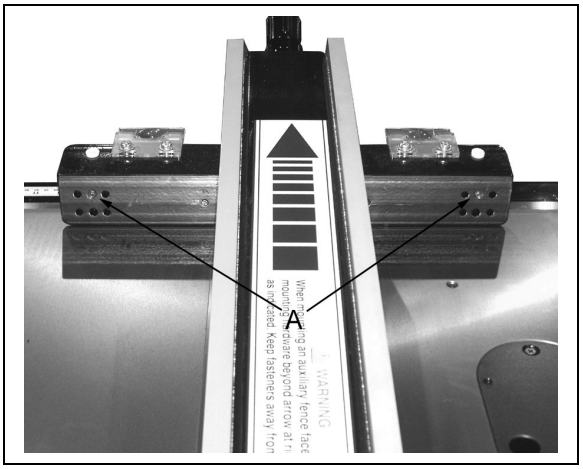


Figure 8

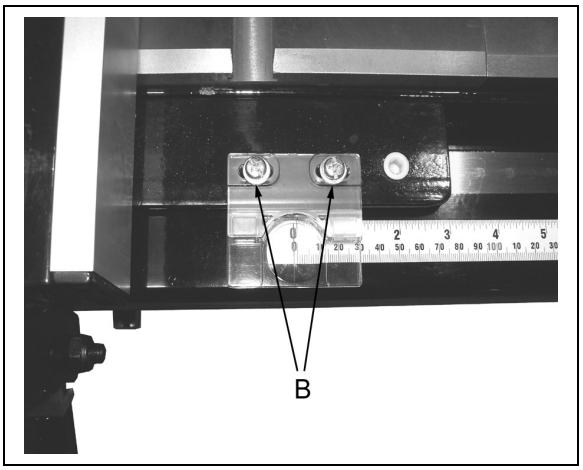


Figure 9

Calibrating the Digital Angle Readout

1. Place a square on the table as shown in Figure 11 then turn the saw tilt wheel until the blade comes to 90 degree.

2. Push and hold the 0° set button as shown in Figure 14 until the display stops blinking. The 0° is now set.

3. Tilt the blade to 45 degrees as shown in Figure 12. Push and hold the 45° set button as shown in Figure 15 until the display stops blinking. At this point the angle display is calibrated.

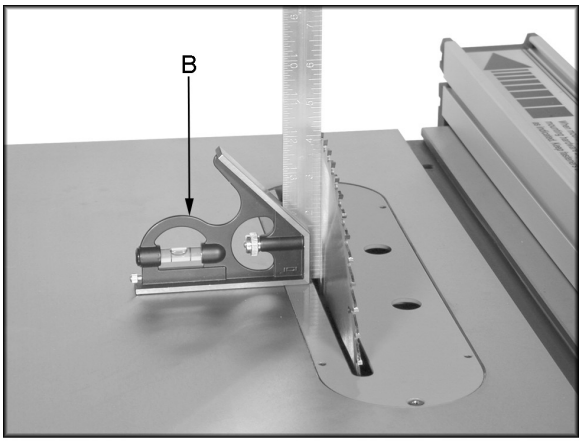


Figure 11

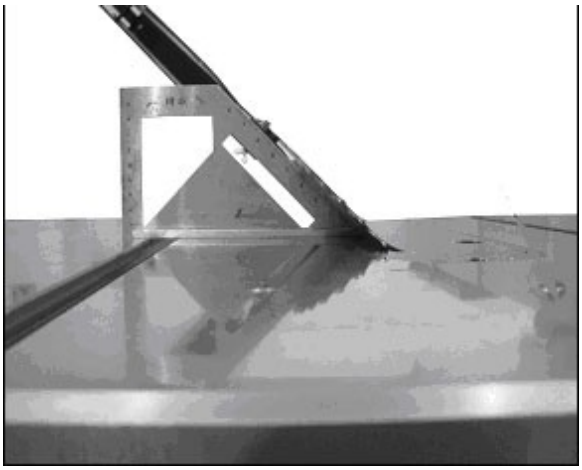


Figure 12

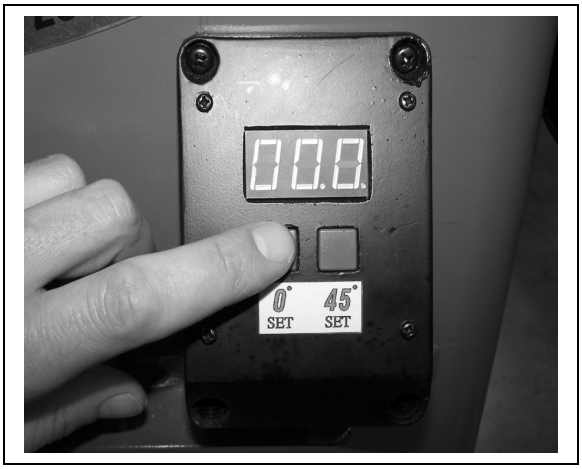


Figure 14

Figure 15

Leveling Table Insert

Adjust the table insert flush with the table by turning the four leveling screws (C, Figure 16). Place a straight edge across the table and insert. Raise the insert until it just touches the straight edge. Check both the front and rear section of the insert.

Splitter and Blade Guard Assembly

The table saw comes equipped with both a riving knife and blade guard (see Figure 17). It is always recommended to use the blade guard whenever possible. However, when doing narrow cuts when the guard would interfere with the fence or any other cuts in which the blade guard would pose a problem, replace the guard with the riving knife. Installation is the same for both. For ease of installation, the blade guard can be disassembled by loosening the lock knob and separating the splitter from the guard as shown in Figure 18. It may be necessary to loosen the two screws as indicated in the picture.

1. **Disconnect saw from power source.**

2. Remove table insert by loosening the screw at the front of insert.

3. Loosen the lock nut then insert the fork of the riving knife between the nut head and backing plate as shown in Figure 19. Lock into place.

4. Re-install the table insert.

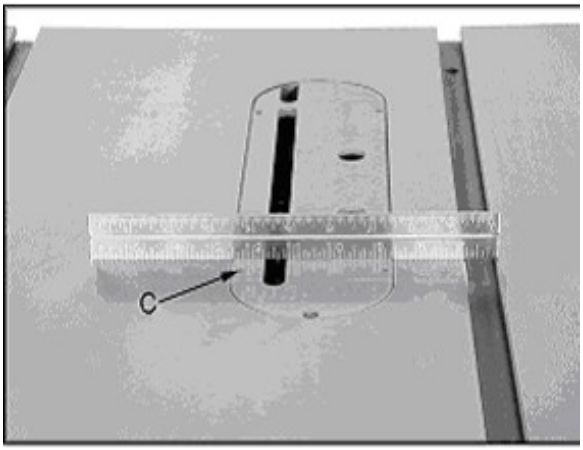


Figure 16

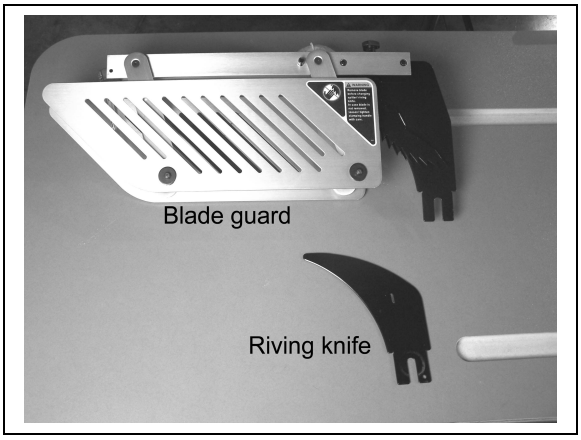


Figure 17

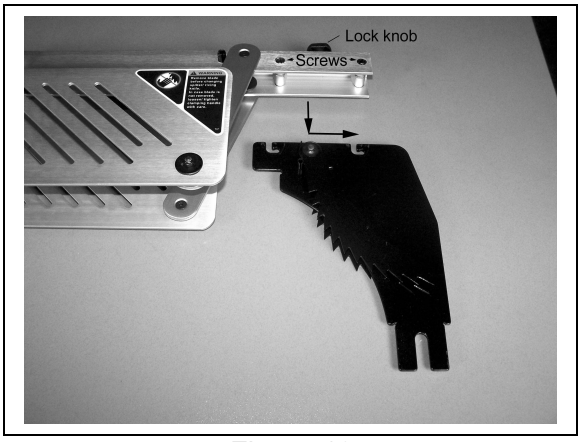


Figure 18

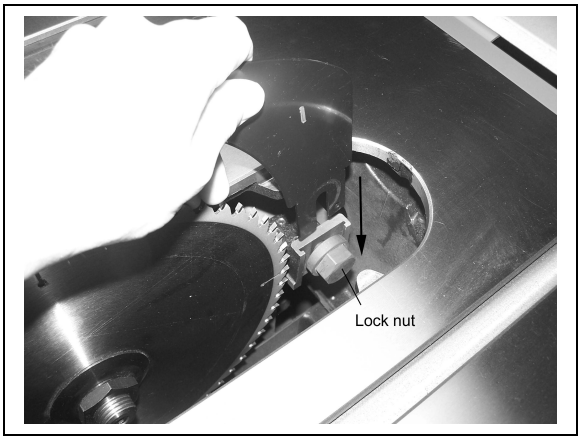


Figure 19

Miter Gauge

1. Slide the miter gauge bar into the miter gauge slot in table. Loosen the handle (A, Figure 23) and pull out indexing rod (B, Figure 23) to pivot the miter gauge body.

2. Push the indexing rod in to engage the preset stops (C, Figure 23).

3. Adjust stops by loosening the hex nut (D, Figure 23) and adjusting screw (E, Figure 23).

Note: Always make test cuts. The scale is for reference. There are two holes in the miter gauge fence used to attach a wooden fence.

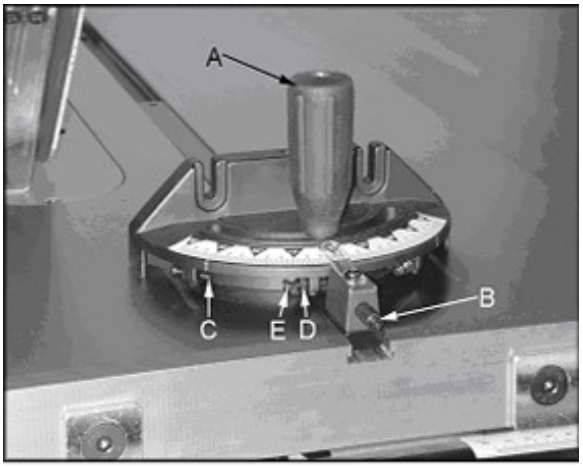


Figure 23

Controls (see Figures 24 & 25)

A. **Emergency Stop Button:** Stops all functions of machine.

B. **Start:** Starts saw blade rotation. Will not work if the "Emergency Stop" switch is engaged, or the key is in the "OFF" position.

C. **Handwheel Lock:** There is a handwheel lock on both handwheels. Loosen lock to turn handwheel and tighten when blade is in desired location.

D. **Raising and Lowering Hand wheel:** Loosen hand wheel lock. Turn handle clockwise to raise the blade. The blade should be 1/8"-1/4" above the top of work piece, or 3-5 blade teeth above the top of work piece.

E. **Tilting Hand wheel:** Loosen hand wheel lock. Turn handle counter-clockwise to tilt blade to the left.

Figure 24

Dust Collection

There is a 4" dust port (G, Figure 25) located on the side of saw cabinet. Make sure dust collection system has sufficient capacity and suction for your tablesaw. Always turn on dust collection system before starting the tablesaw.

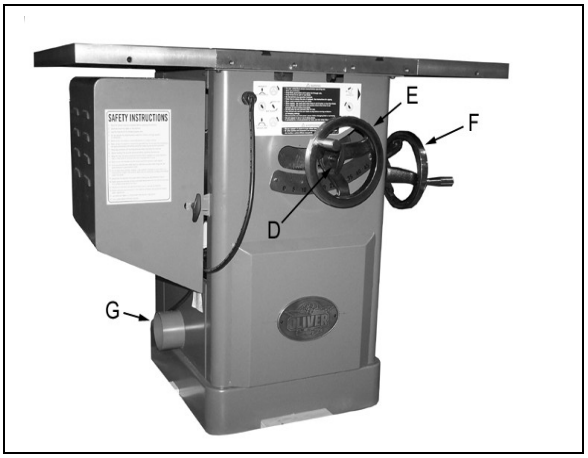


Figure 25

Electrical Connections

WARNING!

Electrical connections and wiring must be done by a qualified electrician. The machine must be properly grounded. Failure to comply may cause serious injury!

This saw is available in both 1-Phase and 3-Phase versions.

Electrical Connections for a 3-Phase Unit

This saw is 3-Phase, 220V/440V **pre-wired 220V**. If you need to switch the tablesaw from 220V to 440V have a qualified electrician make the changes. Oliver Machinery recommends using a dedicated circuit.

Make sure the voltage of your power supply matches the specifications on the motor plate of the machine.

With 3-Phase power verify the blade is turning in the proper direction. Turn the saw on and make sure the direction of the blade spins toward the user when standing in front of the saw. If it does not, disconnect the power source and reverse any two power leads.

Electrical Connections for a 1-Phase Unit

This saw is 1-Phase, 220V only. Oliver Machinery recommends using a dedicated circuit.

Make sure the voltage of your power supply matches the specifications on the motor plate of the machine.

Replacing the Blade

The blade guard has been removed for photos, but it is possible to change the blade without removing the blade guard.

1. **Disconnect saw from power source.**

2. Remove the table insert and raise the blade completely.

3. Use the two provided arbor wrenches to loosen the arbor nut, as shown in Figure 25. Place one wrench on the arbor nut and one on the flats located on the arbor. Remove the nut, flange and blade.

4. Replace the blade followed by the flange and arbor nut. Tighten the arbor nut while holding the arbor in place.

Note: Make sure the blade and arbor are clean before installing a new blade. The blade teeth should point down when viewing from the front of saw.

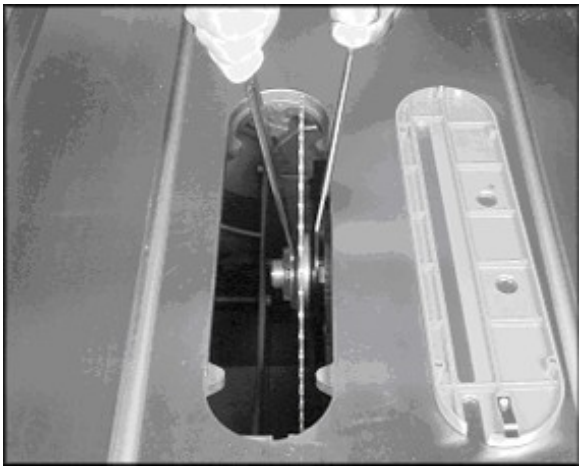


Figure 25

Maintenance

WARNING!

Disconnect the machine from power source before proceeding with any maintenance, or troubleshooting! Failure to comply may cause serious injury!

Periodically clean the inside of the machine for dust control. Use an air hose to blow out dust from motor fan and motor cover.

Use a wire brush to clean trunnions and worm gears. Apply white lithium grease or powdered graphite to lubricate worm gears, and trunnions.

Keep pulleys and belts free from dirt, dust, oil and grease.

Replace worn v-belts as needed.

Remove rust from the tabletop with WD-40 and a Scotch-Brite™ Hand Pad. Keep a light coat of WD-40 on the table top when not in use

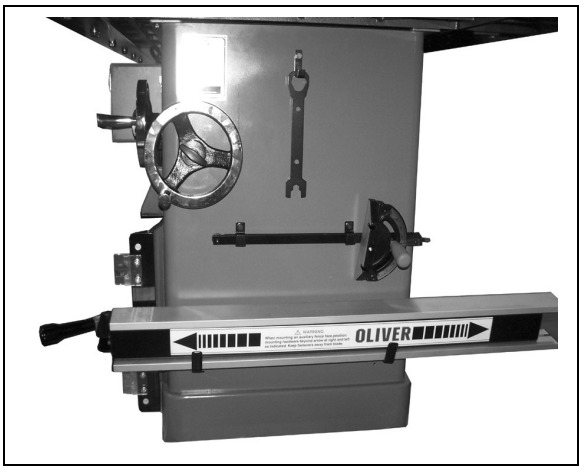


Figure 27

Accessory Holders

See Figure 27 for the correct placement of the accessory holders.

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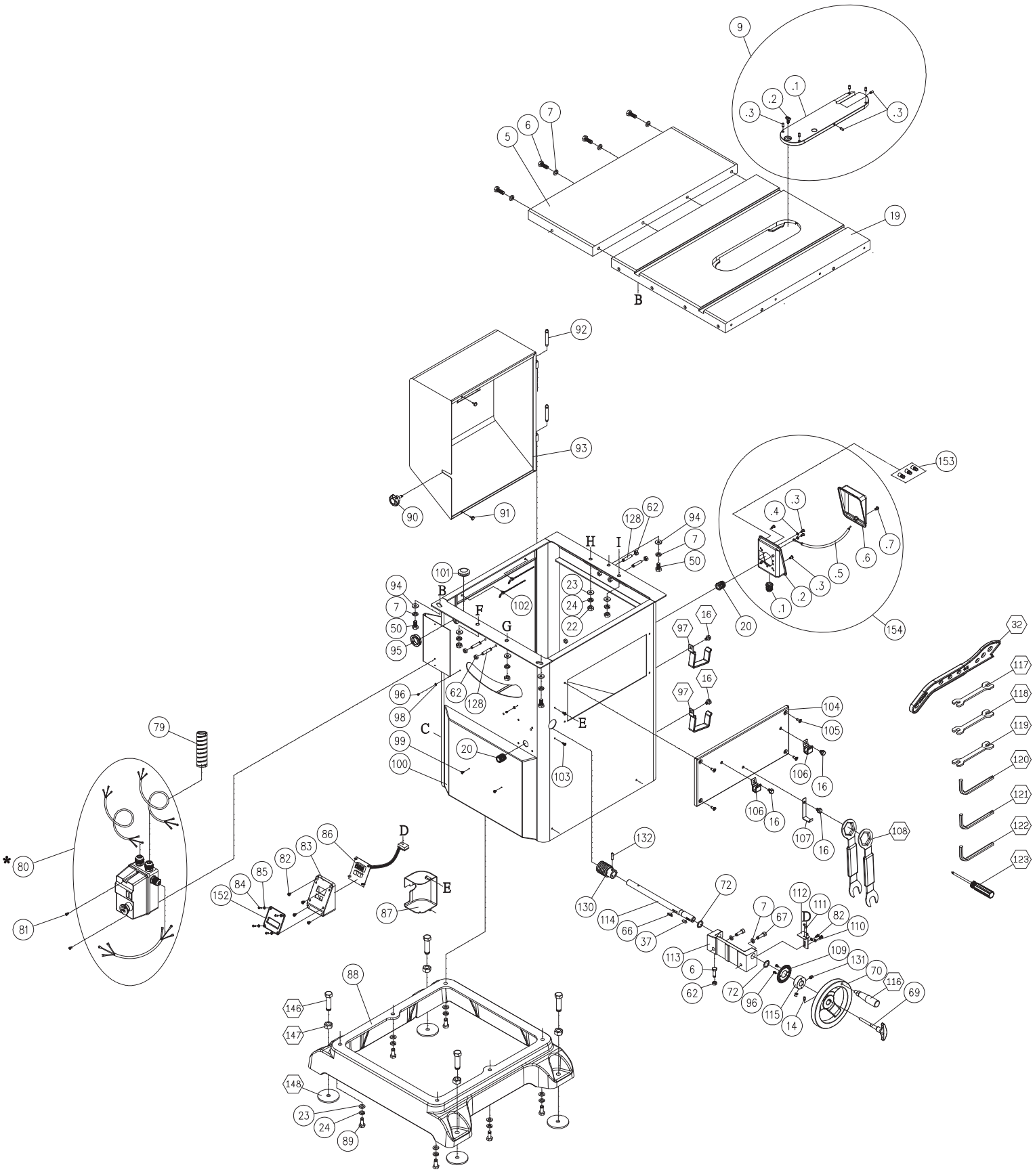
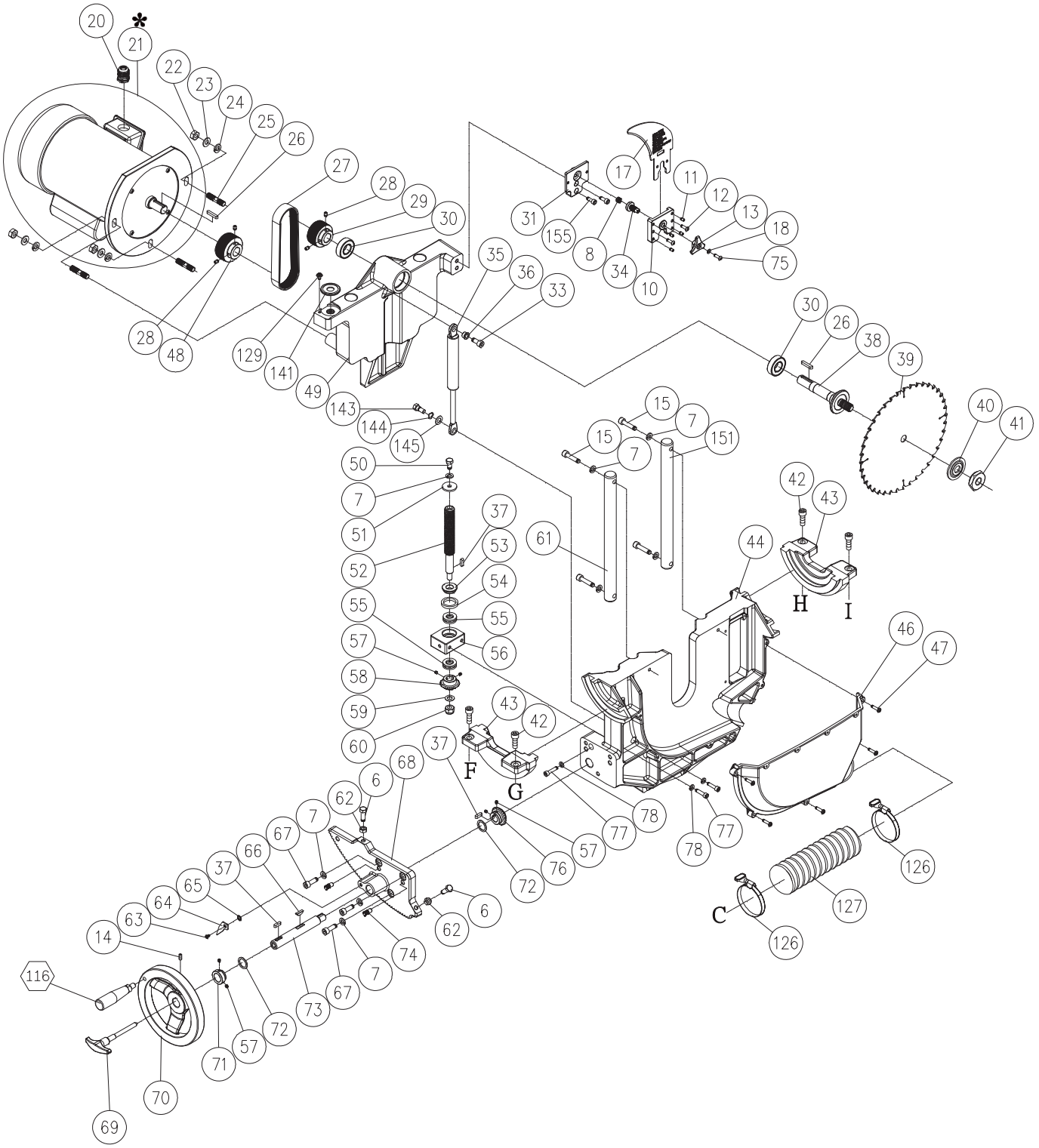
Troubleshooting

Description of Symptoms	Possible Cause	Corrective Action
Machine will not start	1. Fuse blown or circuit breaker tripped 2. Cord Damaged 3. Faulty switch 4. Not connected to power source 5. Connected to wrong voltage 6. Key in the “OFF” position 7. Emergency stop button pressed	1. Replace fuse or reset circuit breaker 2. Have cord replaced 3. Replace switch 4. Check connection 5. Check voltage 6. Insert key and turn to “ON” position 7. Rotate emergency stop button clockwise until it pops out
Blade does not come up to speed	1. Cable too light or too long 2. Low current 3. Motor not wired for correct voltage	1. Replace with adequate size cable 2. Contact local electric company 3. Refer to motor nameplate for correct voltage
Does not make accurate 45° or 90° cuts	1. Stops not adjusted correctly 2. Angle pointer not set accurately 3. Miter gauge out of adjustment	1. Check blade with combination square and adjust stops 2. Check blade with combination square and adjust pointer 3. Adjust miter gauge
Saw makes unsatisfactory cuts	1. Dull blade 2. Blade mounted backwards 3. Gum or pitch on blade 4. Incorrect blade for cut	1. Sharpen or replace blade 2. Turn blade around 3. Remove blade and clean 4. Change blade to correct type
Material binds blade when ripping	1. Fence not aligned with blade 2. Warped wood 3. Excessive feed rate 4. Splitter not aligned with blade	1. Check and adjust fence 2. Select another piece of wood 3. Reduce feed rate 4. Align splitter with blade

Saw vibrates excessively	1. Stand on uneven floor 2. Damaged saw blade 3. Bad V-belts 4. Bent pulley 5. Improper motor mounting 6. Loose hardware	1. Reposition on flat, level surface 2. Replace saw blade 3. Replace V-belts 4. Replace pulley 5. Check and adjust motor 6. Tighten hardware
Material kicked back from blade	1. Rip fence out of alignment 2. Splitter not aligned with blade 3. Feeding stock without rip fence 4. Splitter not in place 5. Dull blade 6. Letting go of material before it is past blade 7. Anti-kick back paws dull	1. Align rip fence with miter slot 2. Align splitter with blade 3. Install and use rip fence 4. Install and use splitter (with guard) 5. Replace blade 6. Push material all the way past blade before releasing work 7. Replace or sharpen anti-kick back paws
Blade does not raise or tilt freely	Sawdust and debris in raising and tilting mechanisms	Clean and regrease

PARTS DIAGRAMS

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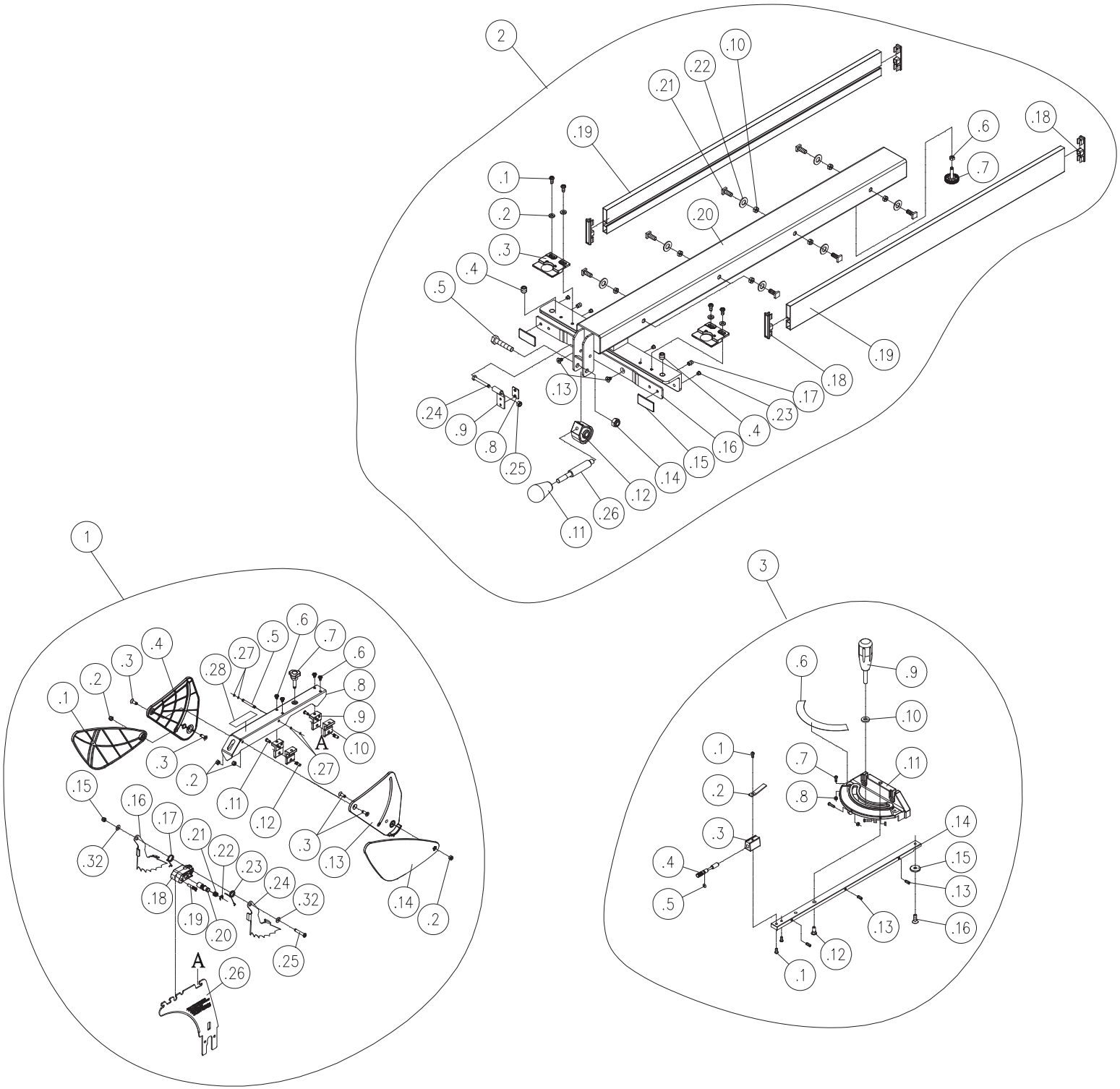
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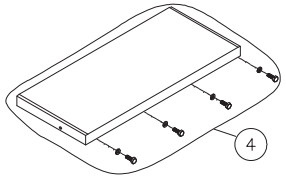
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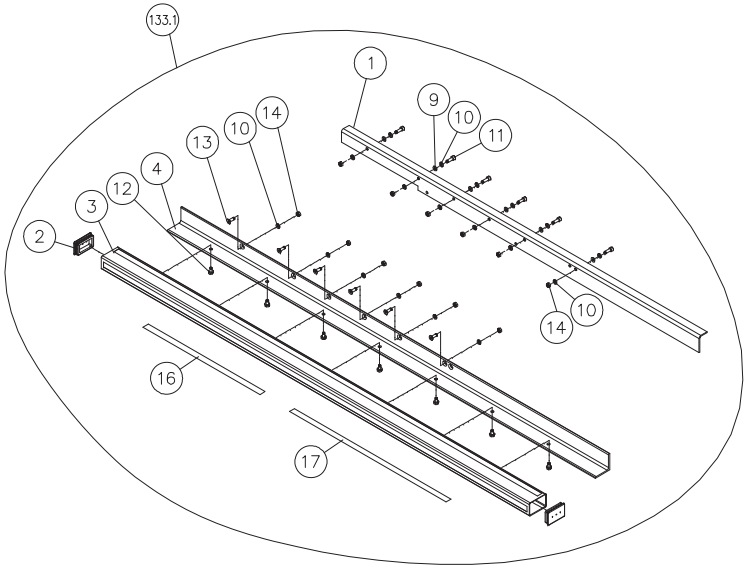
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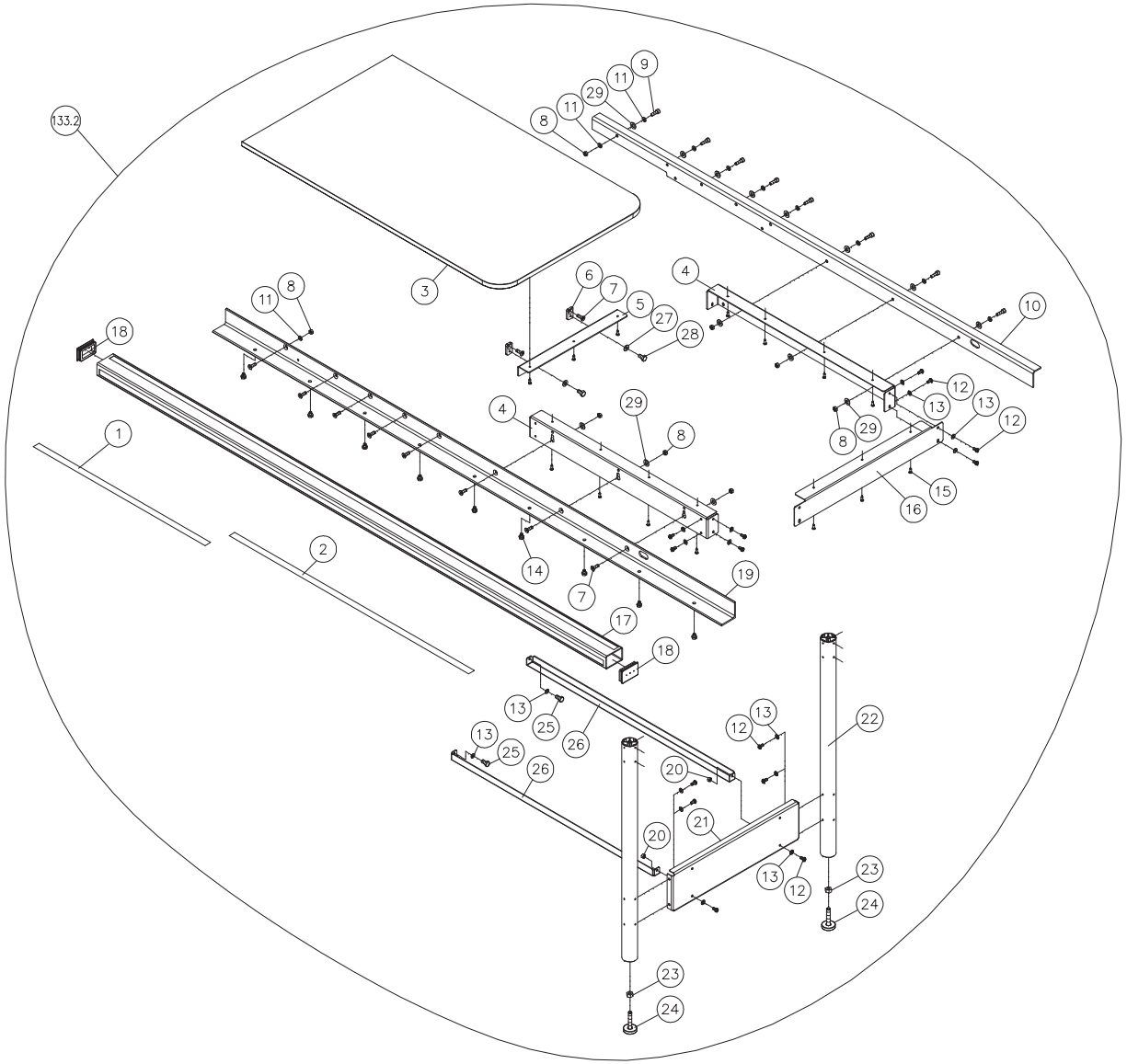
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PARTS LIST

Key	Part No.	Descriptions		Q'ty
1	923055-001	Blade Guard Assembly		1
.1	250821-620	Protective Shield -Left		1
.2	008302-200	Anit-loose Nut	M5*0.8P(8B*6H)	4
.3	000402-207	Flat Head Screw	M5*0.8P*15	4
.4	250820-620	Left Cover		1
.5	360962-901	Pin		1
.6	000303-101	Pan Head Screw	M5*0.8P*6	4
.7	230336-615	Bolt		1
.8	171154-904	Rod		1
.9	130270-903	Rod Bracket -Left		2
.10	130271-903	Rod Bracket -Right		2
.11	000302-103	Pan Head Screw	M4*0.7P*10	2
.12	360960-901	Pin		2
.13	250818-620	Right Cover		1
.14	250819-620	Protective Shield -Right		1
.15	008302-100	Anit-loose Nut	M5*0.8P(8B*6H)	1
.16	171378-904	Anti-Kick Finger -Left		1
.17	280162-901	Spring		1
.18	090149-910	Block		1
.19	360864-000	Pin		1
.20	360865-901	Spreader Shaft		1
.21	280160-901	Spring		1
.22	010204-000	Retaining Ring	ETW-7	1
.23	280163-901	Spring		1
.24	171379-904	Anti-Kick Finger -Right		1
.25	000303-110	Pan Head Screw	M5*0.8P*30	1
.26	171153-904	Spreader		1
.27	043323-000	O-Ring	P3	4
.28	573543-000	Warning Label		1
.31	006001-012	Flat Washer	5.3*12*1.0t	2
2	921557-001	Rip Fence Assembly		1
.1	000304-203	Pan Head Screw	M6*1.0P*12	4
.2	006002-023	Flat Washer	6.3*13*2.0t	4
.3	250470-620	Pointer		2
.4	250472-621	Plastic Set Screw	M12*1.75P	2
.5	000004-306	Hex. screw	M10*1.5P*50	1

Key	Part No.	Descriptions		Q'ty
.6	008005-100	Hex Nut	M6*1.0P(10B*5H)	1
.7	250587-615	Frictional Wheel		1
.8	250602-621	Frictional Plate		1
.9	171993-904	Bracket		1
.10	008006-100	Hex Nut	M8*1.25P(13B*6.5H)	8
.11	230282-615	Knob		1
.12	922141-000	Compress Cam Assembly		1
.13	002103-103	Flat Head Screw	M6*1.0P*8	2
.14	008308-100	Anit-loose Nut	M10*1.5P(17B*12H)	1
.15	250471-621	Frictional Plate		2
.16	171372-904	Bracket for Frictional Plate		1
.17	001903-105	Set screw	M8*1.25P*8	2
.18	250483-615	End Cap		4
.19	310083-909	Adaptor		2
.20	171423-308	Fence Body		1
.21	048701-101	Square Bolt	M8*1.25P*20	8
.22	006001-049	Flat Washer	8.5*16*2.0t	8
.23	250672-615	Spacer		4
.24	000002-308	Hex. screw	M6*1.0P*45	1
.25	008304-100	Anit-loose Nut	M6*1.0P(10B*7H)	1
.26	380883-904	Handle Shaft		1
3	921782-001	Miter Gauge Assembly		1
.1	003303-105	Pan Head Screw	3/16"-24NC*3/8"	3
.2	250193-620	Pointer		1
.3	130053-903	Spacer		1
.4	360381-901	Angle Set Bar		1
.5	043311-000	O-Ring	P5	1
.6	571151-000	Miter Scale		1
.7	003305-106	Pan Head Screw	5/32"-32NC*5/8"	3
.8	009001-100	Hex Nut	5/32"-32NC(8B*3.8H)	3
.9	250146-000	Handle		1
.10	006002-051	Flat Washer	8.5*18*3t	1
.11	090067-008	Miter gauge body		1
.12	290017-901	Shoulder Screw		1
.13	230222-901	Positioning Bead		3
.14	380614-904	Slot Bar		1
.15	380069-901	Ring		1

Key	Part No.	Descriptions		Q'ty
.16	000403-105	Flat Head Screw	M6*1.0P*6	1
5	051050-000	Extension Wing		1
6	000003-105	Hex. screw	M8*1.25P*25(13B*5.5H)	7
7	006305-100	Spring Washer	8.2*15.4	17
8	280186-901	Spring		1
9	922771-000	Table Insert Assembly	TH27.28	1
10	130269-903	Block		1
11	001902-110	SET Lock screw	M6*1.0P*8	4
12	000804-106	Round Head Screw	M5*0.8P*16	2
13	090244-920	Handle		1
14	001902-105	Set screw	M6*1.0P*12	2
15	000104-111	Cap Screw	M8*1.25P*35	4
16	049201-102	Hex Screw w/Washer	M8*1.25P*12/(13B*6.5H)	5
17	171430-904	Riving Knife		1
18	006302-100	Spring Washer	5.1*9.3	1
19	050940-008	Table		1
20	021306-000	Strain Relief Bushing	PGA16-14B	3
*21	TH27-01	Motor Assembly		
22	008007-100	Hex Nut	M10*1.5P(17B*8H)	7
23	006307-100	Spring Washer	10.2*18.5	13
24	006001-069	Flat Washer	10*20*3.0t	13
25	360761-901	Bolt		3
26	012003-010	Key	5*5*30	2
27	014314-000	Poly V-Belt	180J-9	1
28	001902-102	Set screw	M6*1.0P*8	4
29	380384-902	Pulley		1
30	030214-002	Ball Bearing	6004	2
31	130268-903	Bracket for Riving Knife		1
32	230334-615	Push Sticks		1
33	000104-106	Cap Screw	M8*1.25P*20	1
34	380988-901	Knob		1
35	660145-000	Nitrogen Cylinder		1
36	160076-000	Bushing Sleeve		1
37	012003-006	Key	5*5*18	4
38	380858-901	Arbor		1
39	390017-000	Sawblade	10"*40T	1
40	170518-901	Sawblade clamp		1

Key	Part No.	Descriptions		Q'ty
41	380052-901	Blade Nut		1
42	000105-103	Cap Screw	M10*1.5P*30	4
43	050585-008	Trunnion Bracket		2
44	050937-000	Turning		1
46	250704-615	Side Cover		1
47	000303-207	Pan Head Screw	M5*0.8P*20	5
48	380383-902	Motor Pulley		1
49	050938-000	Elevation Bracket		1
50	000003-102	Hex. screw	M8*1.25P*16	4
51	006001-040	Flat Washer	8*30*3.0t	1
52	360871-901	Elevation Lead Screw		1
53	160073-000	Bushing		1
54	660144-000	Packing		1
55	031005-001	Ball Bearing	51102	2
56	130237-903	Lead Screw Bracket		1
57	001901-101	Set screw	M5*0.8P*5	6
58	380767-000	Bevel Gear		1
59	006001-078	Flat Washer	10.5*19*1.5t	1
60	008307-100	Anit-loose Nut	M10*1.25P(17B*12H)	1
61	360825-000	Column		1
62	008006-100	Hex Nut	M8*1.25P(13B*6.5H)	7
63	000304-103	Pan Head Screw	M6*1.0P*12	1
64	171697-156	Pointer		1
65	006503-100	Tooth Washer	6.4*11(BW-6)	1
66	130061-000	Key		2
67	000104-108	Cap Screw	M8*1.25P*25	5
68	050939-000	Gear Rotary Plate		1
69	920662-000	Fasten Shaft		2
70	240066-000	Handwheel		2
71	130228-903	Fix Ring		1
72	006006-106	Flat Washer	19.1*25.4*1.6	4
73	360867-901	Elevation Shaft		1
74	360355-901	Pin		2
75	002503-101	Round Head Socket Lock Screw	M5*0.8P*12	1
76	380768-000	Bevel Gear		1
77	000103-108	Cap Screw	M6*1.0P*25	3
78	006303-100	Spring Washer	6.1*12.3	3

Key	Part No.	Descriptions		Q'ty
79	730063-004	Wire Protector	ASW-16-B(16*20/300mm)	1
*80	TH27-02	Switch Assembly		
81	003303-101	Pan Head Screw	3/16"-24NC*1/2"	2
82	000303-202	Pan Head Screw	M5*0.8P*8	6
83	250547-615	Sensor Box		1
84	000301-202	Pan Head Screw	M3*0.5P*12	4
85	006002-139	Flat Washer	3*8*1.0t	4
86	950348-000	Sensor Ass'y	220~460V L:450mm	1
87	250632-615	Dust Guard		1
88	050941-000	Cast Iron Base		1
89	000004-102	Hex. screw	M10*1.5P*25	6
90	230131-000	Bolt		1
91	340007-615	Spacer		2
92	230196-905	Pin		2
93	172369-000	Cover		1
94	006001-041	Flat Washer	8.2*22*3.0t	3
95	021806-000	Strain Relief	SB-38	1
96	000302-101	Pan Head Screw	M4*0.7P*6	4
97	170541-904	Slide Shelf		2
98	006001-001	Flat Washer	4.3*10*1.0t	2
99	000401-104	Flat Head Screw	M4*0.7P*10	2
100	172332-000	Cabinet		1
101	021507-000	Wire Protector		1
102	230297-615	Fixing Pin		2
103	001102-604	Round Head Screw	M4*1.59P*12	2
104	172266-000	Right Cover		1
105	000403-104	Flat Head Screw	M6*1.0P*20	4
106	170542-904	Miter Gauge Shelf		2
107	170965-904	Fix Plate		1
108	172033-904	Spanner		2
109	172110-000	Sensor Plate		1
110	006001-009	Flat Washer	5.2*10*1.0t	2
111	001101-205	Round Head Screw	M3*1.06P*6	2
112	170262-000	L-Shape Board		1
113	050582-008	Worm Shaft Support		1
114	360807-901	Angel Worm Shaft		1
115	130031-000	Fix Ring		1

Key	Part No.	Descriptions		Q'ty
116	230114-906	Handle		2
117	040203-000	Open Wrench	11*13	1
118	040205-000	Open Wrench	14*17	1
119	040207-000	Open Wrench	22*24	1
120	040004-000	Hex. Wrench	4mm	1
121	040005-000	Hex. Wrench	5mm	1
122	040006-000	Hex. Wrench	6mm	1
123	040401-000	Screw Driver		1
126	042608-000	Clamp	Ø60-80mm(I.D.)	2
127	042601-000	Tube	2.5”(I.D.)*1000mm	1
128	001903-107	Set screw	M8*1.25P*50	4
129	001602-101	Round Head Screw w/Washer	M5*0.8P*10/5*12*0.8t	1
130	320381-901	Worm Shaft		1
131	001903-104	Set screw	M8*1.25P*10	2
132	011003-115	Spring Pin	5*45	1
141	660160-000	Brush		1
142	380205-901	Nut	TW5/8"-12	1
143	290033-901	Shoulder Screw		1
144	006703-100	Wave Washer	WW-10	1
145	006001-077	Flat Washer	10.5*19*1.0t	1
151	360866-000	Rear Column		1
152	250839-620	Transparent Shield		1
153	021203-000	Wire Terminals	SW-P6H	3
154	922895-001	Power Cord Assembly		1
.1	021306-000	Strain Relief Bushing	PGA16-14B	1
.2	490609-008	Junction Box- Base		1
.3	000303-103	Pan Head Screw	M5*0.8P*10	4
.4	006502-100	Tooth Washer	5*10*0.6t,(BW-5)	2
.5	471004-012	Connect Wire	SJT12AWG*1C*150mm	1
.6	490124-008	Junction Box- Cover		1
.7	003303-102	Pan Head Screw	3/16"-24NC*1/4"	1
155	000104-104	Cap Screw	M8*1.25P*16	2
146	000006-105	Adjust Screw	M16*2.0P*60	4
147	008011-100	Hex Nut	M16*2.0P(24B*13H)	4
148	172277-902	Foot		4

Optional Accessories				
Key	Part No.	Descriptions		Q'ty
4	922231-001	Extension Wing Assembly	for 36" Rail Assembly only	
	051050-000	Extension Table		1
	000003-105	Hex. Screw	M8*1.25P*25 (13B*5.5H)	4
	006305-100	Spring Washer	8.2*15.4	4
	006001-049	Flat Washer	8.5*16*2.0t	6
133.1	**TJ0017**	**36" Rail Assembly**		**1**
1	171422-000	Rear rail		1
2	250624-615	End Cap		2
3	190102-000	Front Rail		1
4	171421-000	Rail Bracket		1
10	006305-100	Spring Washer	8.2*15.4	10
11	000104-108	Cap Screw	M8*1.25P*25	6
12	049201-102	Hex Screw w/Washer	M8*1.25P*12/(13B*6.5H)	7
13	000704-102	Socket Hex. Screw	M8*1.25P*25	6
14	008006-100	Hex Nut	M8*1.25P(13B*6.5H)	4
16	573055-000	Length Scale (L)	18"	1
17	573036-000	Length Scale (R)	0"~36"	1
133.2	**TH0209**	**52" Rail and Right Extension Table**		**1**
1	573055-000	Length Scale (L)	18"	1
2	572537-000	Length Scale (R)	52"	1
3	440026-000	Extension Table		1
4	170968-000	Bracket		2
5	170967-000	Brace		1
6	171649-905	Connection Plate		2
7	000704-102	Socket Hex. Screw	M8*1.25P*25	10
8	008006-100	Hex Nut	M8*1.25P(13B*6.5H)	8
9	000104-108	Cap Screw	M8*1.25P*25	8
10	171647-000	Rear rail		1
11	006305-100	Spring Washer	8.2*15.4	10
12	000304-103	Pan Head Screw	M6*1.0P*12	14
13	006001-032	Flat Washer	6.6*13*1.0t	16
14	049201-102	Hex Screw w/Washer	M8*1.25P*12-8.5*16*2.0t	9
15	230086-901	Self-Tapping screw		14
16	171645-000	Bracket		1
17	190106-000	Front Rail		1
18	250624-615	End Cap		2

Key	Part No.	Descriptions		Q'ty
19	171648-000	Rail Bracket		1
20	008005-100	Hex Nut	M6*1.0P(10B*5H)	2
21	171646-000	Brace		1
22	310059-909	Leg		1
23	009006-100	Hex Nut	3/8"-16NC(14.2B*8.33H)	2
24	230081-000	Leveling foot		2
25	000002-101	Hex. screw	M6*1.0P*12	2
26	170972-000	Lower Brace		1
27	006001-056	Flat Washer	8.5*23*2.0t	2
28	000003-101	Hex. screw	M8*1.25P*12	2
29	006001-049	Flat Washer	8.5*16*2.0t	14