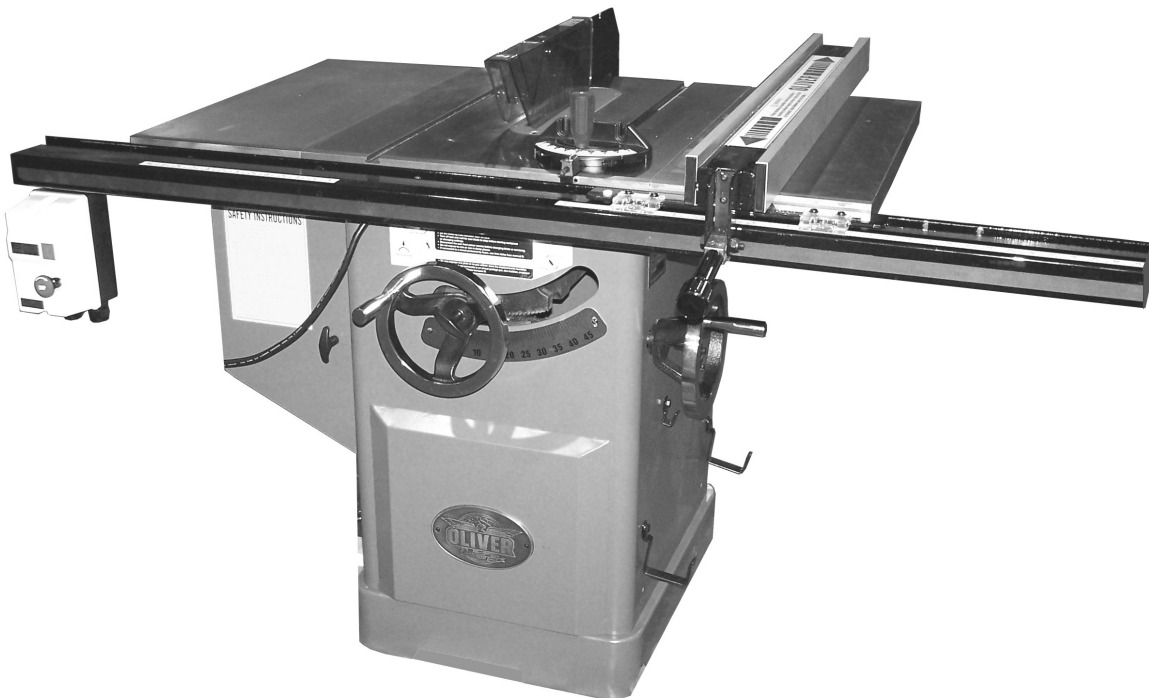




4015 10" Professional Tablesaw

Owner's Manual



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M-4015 10/2005

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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 designed** for cutting wood products only. Do not use to cut any kind of metal or substance other than wood.
18. **Never start the saw** while a workpiece 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).

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Specifications

Model Number.....	4015
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).....	2-1/8"
Maximum Cut to the Right of Blade.....	36"
Maximum Cut to the Left of Blade.....	18"
Dust Port Diameter (In).....	4
Table Dimensions w/Extensions (LxW).....	27" x 45-1/4"
Table Height (In).....	35-1/2"
Blade Tilt.....	Left
Arbor Speed RPM.....	3,450
Overall Dimensions.....	27"L x 45-1/4"W x 40-1/2"H
Gross Weight.....	530

Contents of the Shipping Containers

Oliver 4015, 10" Professional Tablesaw

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

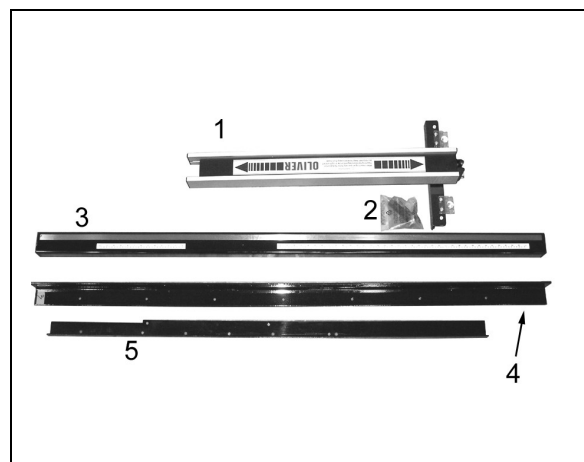
2. Blade guard support
3. Arbor wrenches
4. Wheel handle
5. Accessory holders
6. Tools
7. Hardware packet
8. Extension wing hardware
9. Mitre gauge
10. Extension wing



Contents

Fence and Rail Assembly

11. Fence
12. Lock handle
13. Front guide
14. Front guide support bracket
15. 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.

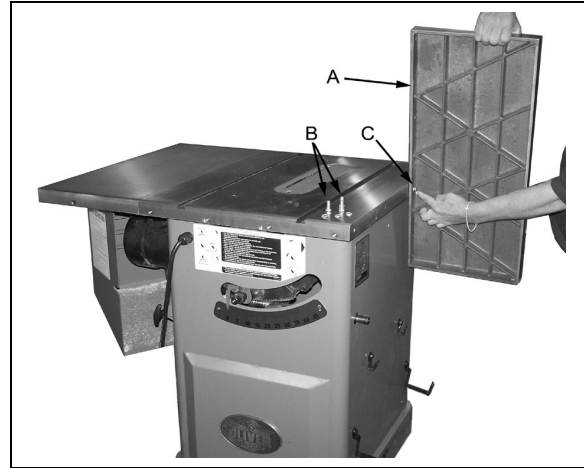


Figure 1

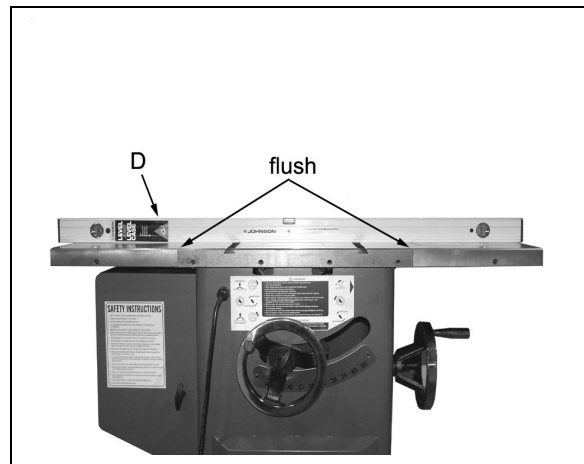


Figure 2

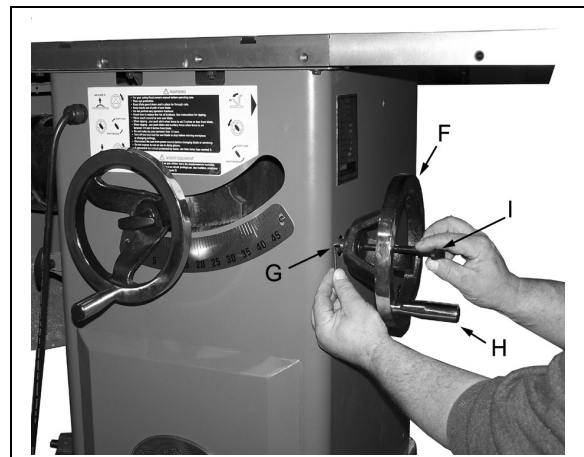


Figure 3

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.

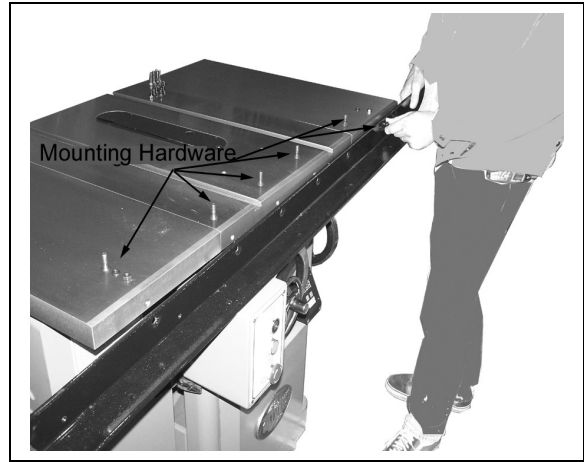


Figure 4

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.

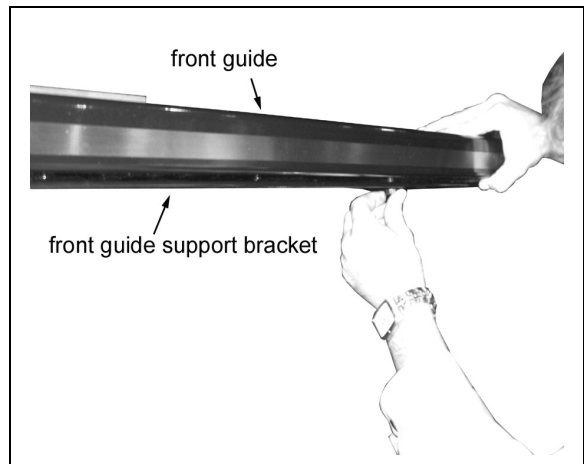


Figure 5

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.

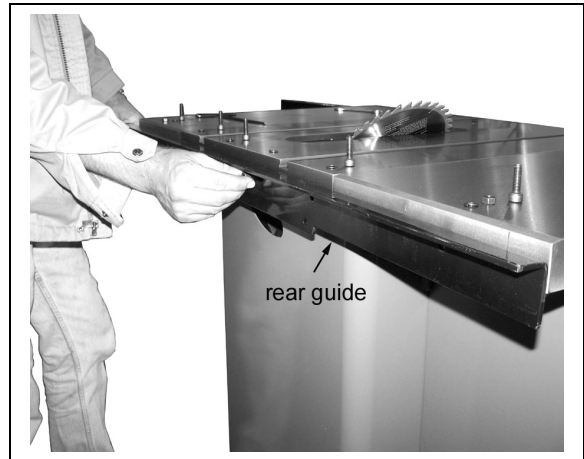


Figure 6

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 mitre gauge 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 mitre gauge 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 mitre gauge. If it is still mis-aligned, repeat the procedure.

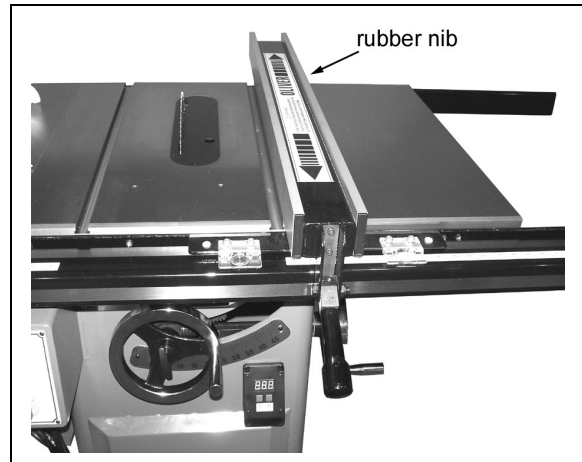


Figure 7

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.

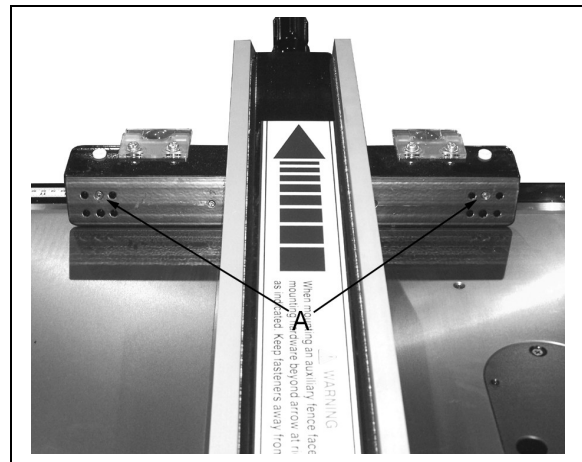


Figure 8

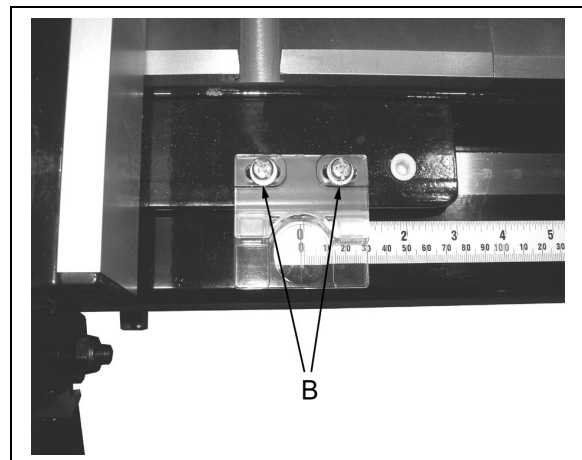


Figure 9

Adjusting 45° and 90° Stops

The stops have been adjusted at the factory and should not need any adjustment. If you need to adjust the stops:

90° Stop

1. **Disconnect saw from power source.**
2. Raise the saw blade to its maximum height by turning the blade raising handwheel clockwise as far as it will go.
3. Loosen the 90 degree stop screw (A, Figure 11)
4. Place a square on the table as shown in Figure 11 and turn the blade tilt handwheel until the blade comes into 90 degrees with the square. Make sure the square is between the blade teeth.
5. Tighten the 90° stop (A, Figure 11).
6. At this point it is time to calibrate the angle display to zero degrees. Push and hold the 0° set button as shown in Figure 12 until the display stops blinking. The 0° is now set.
7. If necessary, loosen the screw (B, Figure 13) and adjust the pointer to zero on the back-up angle scale.

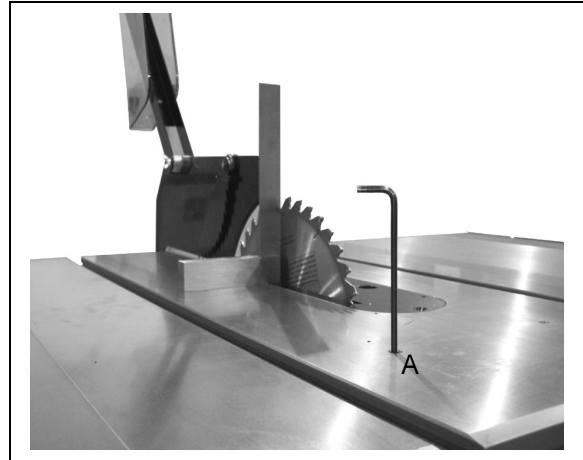


Figure 11



Figure 12

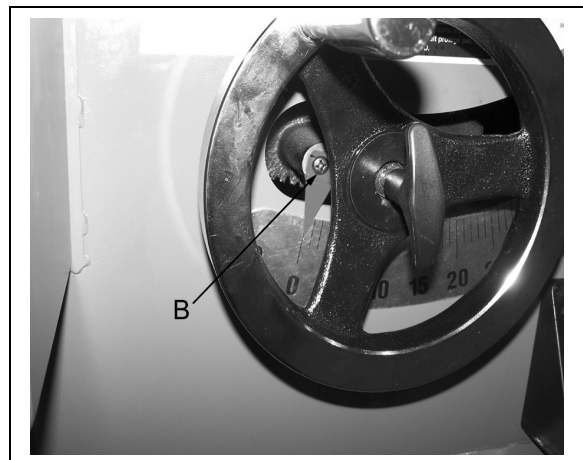


Figure 13

45° Stop

1. Loosen the 45° stop (C, Figure 14) and then tilt the blade until it mates up with the gauge as shown in Figure 14. Make sure the gauge is between the saw teeth.
2. Tighten the 45° stop.
3. 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.

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.

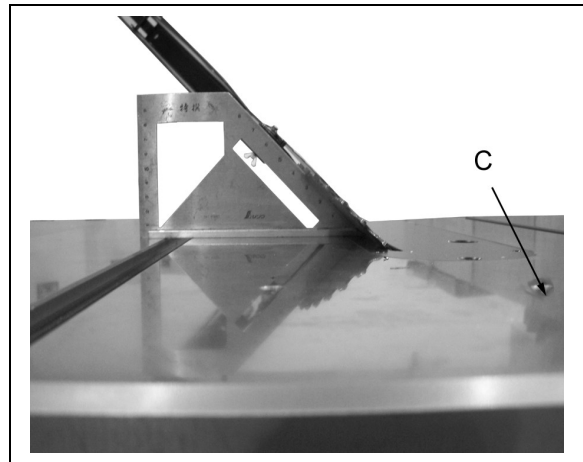


Figure 14



Figure 15

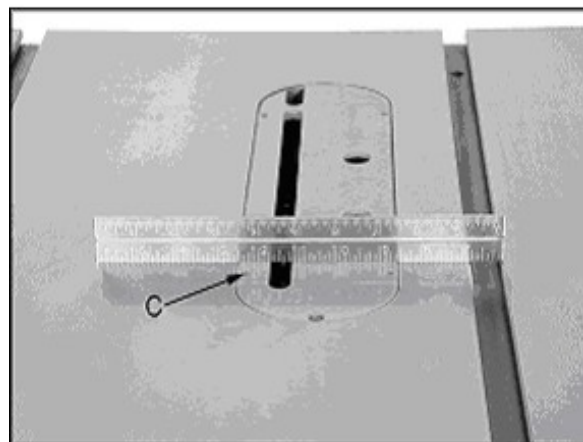


Figure 16

Splitter and Blade Guard Assembly

1. Disconnect saw from power source.
2. Remove table insert by loosening the screw at the front of insert. Pull up and towards you to release the rear clip.
3. Insert the blade guard shaft (D, Figure 17) into rear trunion through opening at rear of saw.
4. Lock the shaft into place by turning the bolt (A, Figure 18) until it secures the shaft, then tighten the bolt with the jam nut (B).
5. Place bracket assembly (E, Figure 17) on to the shaft and thread a hex head bolt and a lock washer (F, Figure 17) into the bracket.
6. Thread the guard support assembly (G, Figure 17) into the bracket.
7. Insert front fork of blade guard assembly (A, Figure 19) through opening in the table. The tab is held in place between the flat washer and bracket, see Figure 19. Finger tighten hex nut (B, Figure 19) only at this time.
8. Insert the rear fork of the blade guard assembly (C, Figure 19) into the guard support assembly between the flat washer and shoulder, see Figure 19. Finger tighten hex nut (D, Figure 19) only at this time.

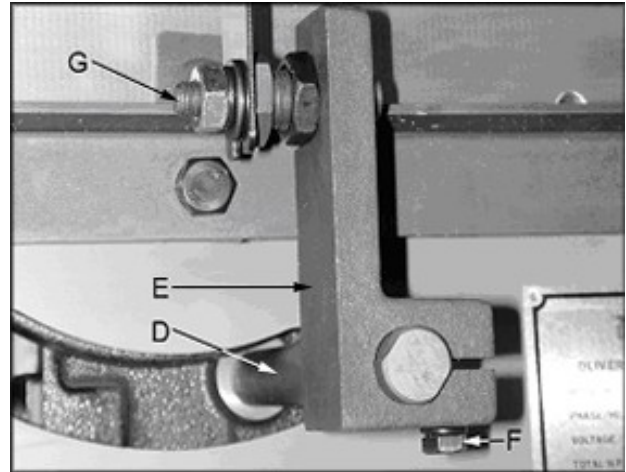


Figure 17

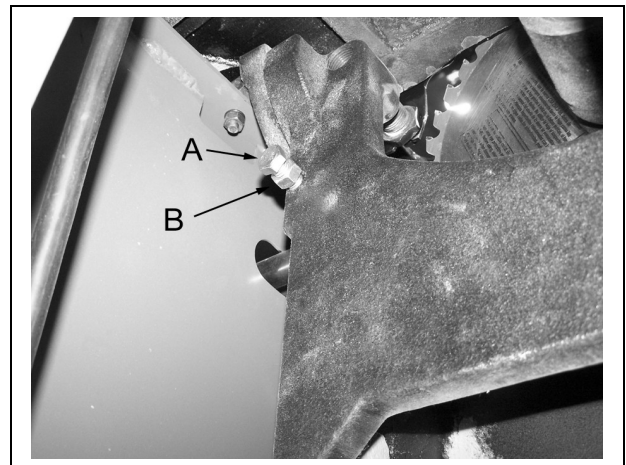


Figure 18

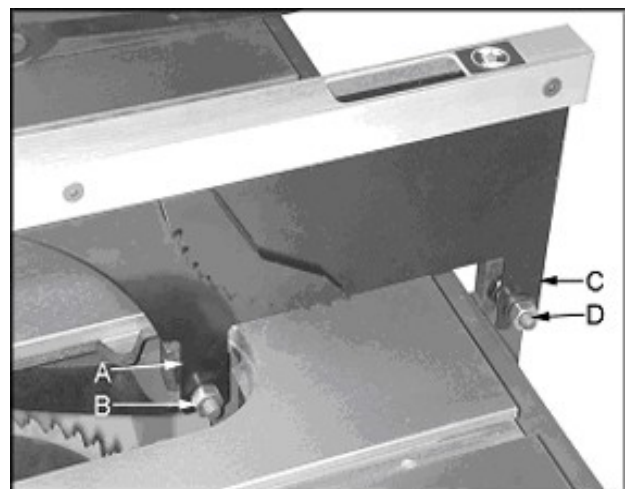


Figure 19

Splitter and Blade Guard Assembly (cont.)

9. Place a straight edge against the splitter and blade to make sure they align, as shown in Figure 20. If adjustment is necessary use the provided wrench to loosen the jam nut (E, Figure 21) on the rear fork. Thread the guard support in, or out by turning the hex head (F, Figure 21) to bring the splitter in line with the blade. Repeat the same procedure for front fork.
10. Tighten the jam nut (E, Figure 21) and tighten the hex nut (D, Figure 21) with the provided wrenches. Repeat the same procedure for the front fork. Recheck the splitter alignment and adjust if necessary.

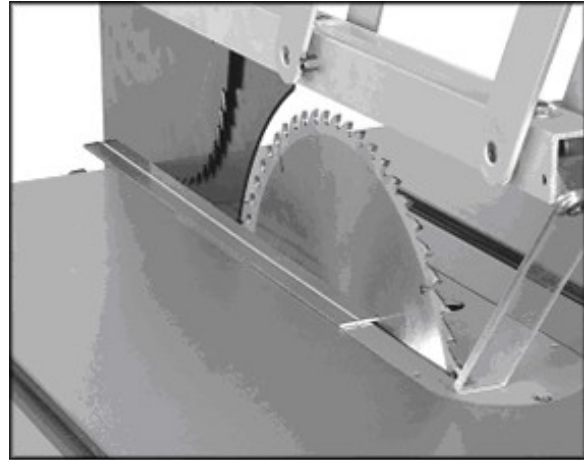


Figure 20

Accessory Holders

See Figure 22 for the correct placement of the accessory holders.

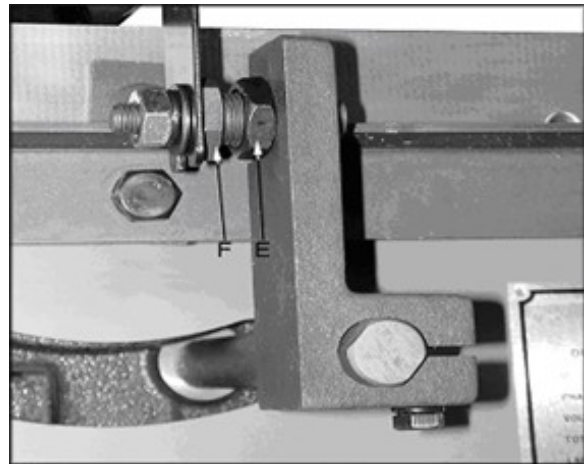


Figure 21

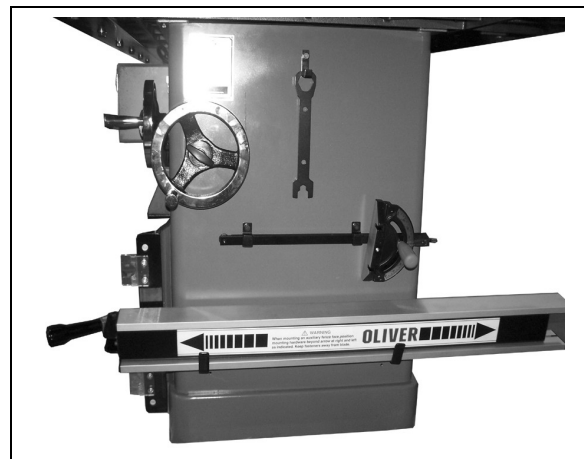


Figure 22

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.

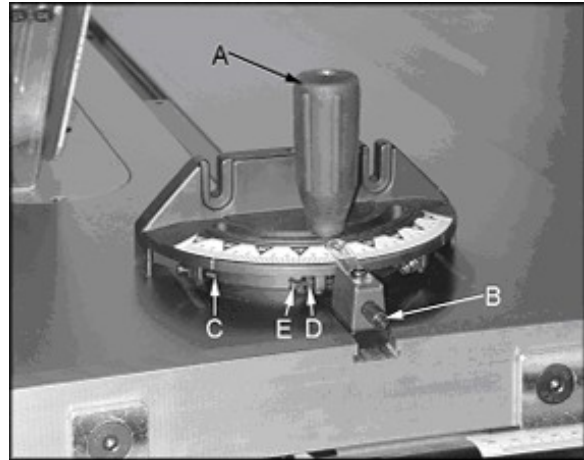


Figure 23

Controls (see Figures 24 & 25)

- A. Emergency Stop Button:** Stops all functions of machine, but the saw still has power. To reset rotate switch clockwise until the button pops out.
- 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. Main Control:** Turn key to the “OFF” position and remove from the lock. The key should be given to a supervisor when the saw is not in use by an authorized user.
- D. Handwheel Lock:** There is a handwheel lock on both handwheels. Loosen lock to turn handwheel and tighten when blade is in desired location.
- E. Raising and Lowering Handwheel:** Loosen handwheel lock. Turn handle clockwise to raise the blade. The blade should be 1/8”-1/4” above the top of workpiece, or 3-5 blade teeth above the top of workpiece.
- F. Tilting Handwheel:** Loosen handwheel lock. Turn handle counter-clockwise to tilt blade to the left.

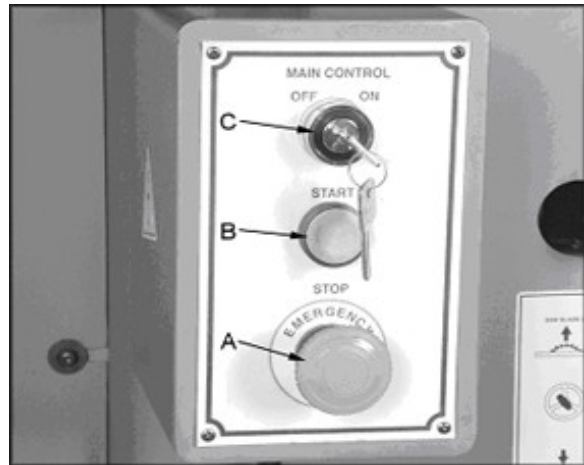


Figure 24

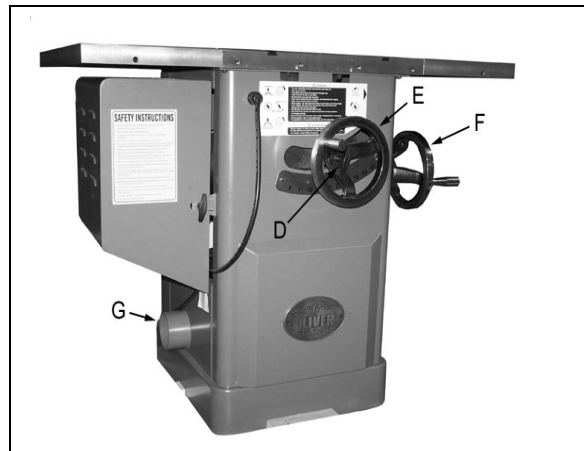


Figure 25

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.

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.

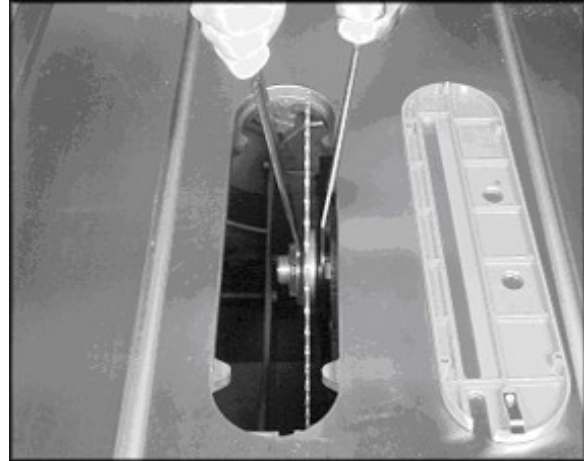


Figure 25

Replacing and Tensioning V-Belt

1. Disconnect saw from power source.
2. Lower the blade to its lowest position and open the motor cover door.
3. Loosen the hex nut (B, Figure 26).
4. Take tension off of the belt (A, Figure 26) by lifting up on the motor.
5. Remove the belt from the arbor and motor pulleys.
6. Replace and tension the belt. The weight of the motor should apply sufficient tension to belts. Tighten the hex nut (B, Figure 26).
7. Check the belt tension after the saw has been used for a few hours. Adjust as necessary.

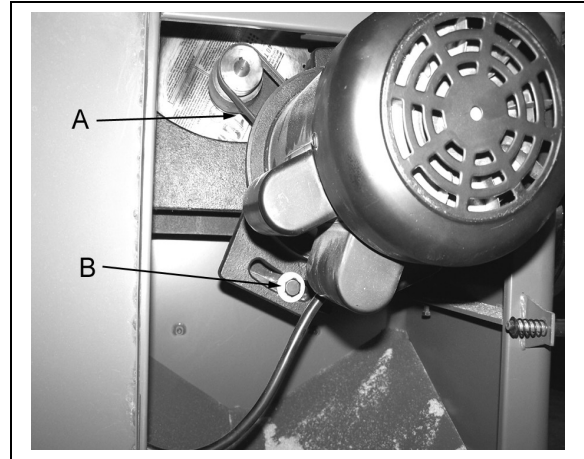


Figure 26

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 trunions and worm gears. Apply white lithium grease or powdered graphite to lubricate worm gears, and trunions.

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

Replace worn v-belts as needed.

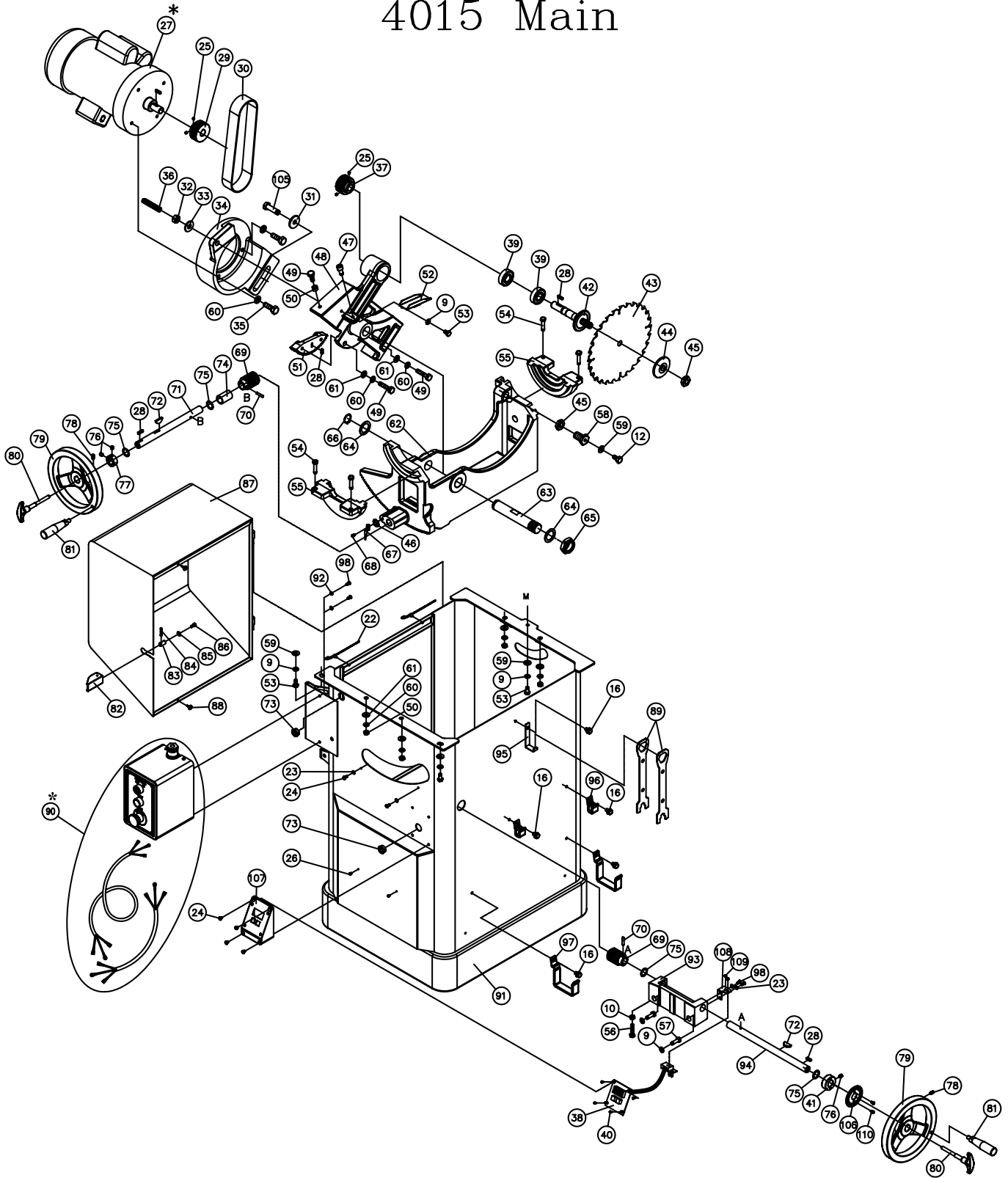
Remove rust from the tabletop with WD-40 and a Scotch-Brite™ Hand Pad. Keep a light coat of WD-40 on the table top when not in use

Troubleshooting

Description of Symptoms	Possible Cause	Corrective Action
Machine will not start	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. Cable too light or too long 2. Low current 3. Motor not wired for correct voltage 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. Stops not adjusted correctly 2. Angle pointer not set accurately 3. Miter gauge out of adjustment 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. Dull blade 2. Blade mounted backwards 3. Gum or pitch on blade 4. Incorrect blade for cut 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. Fence not aligned with blade 2. Warped wood 3. Excessive feed rate 4. Splitter not aligned with blade 	<ol style="list-style-type: none"> 1. Check and adjust fence 2. Select another piece of wood 3. Reduce feed rate 4. Align splitter with blade

Saw vibrates excessively	<ol style="list-style-type: none"> 1. Stand on uneven floor 2. Damaged saw blade 3. Bad V-belts 4. Bent pulley 5. Improper motor mounting 6. Loose hardware 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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

4015 Main

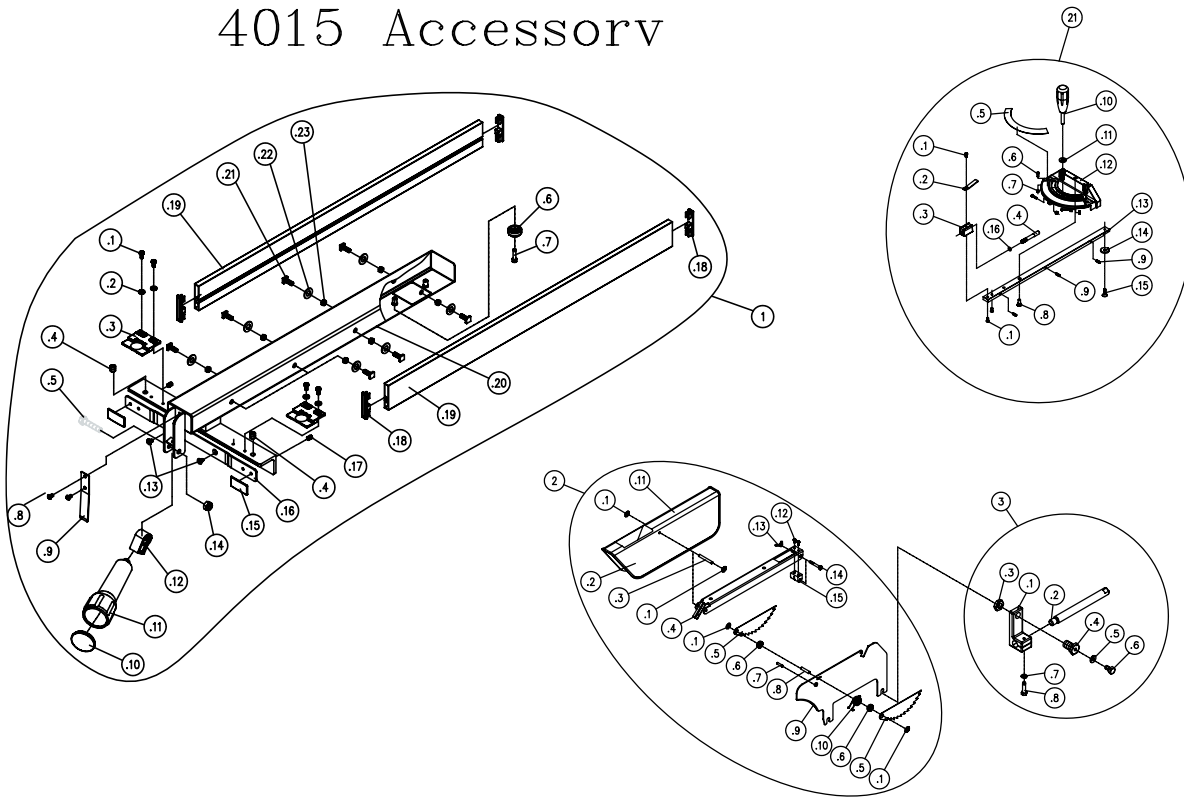


Main				
22	230297-615	Fixing Rope		2
23	006001-009	Flat Washer	5.2*10*1.0t	4
24	000303-101	Round Head Screw	M5*0.8P*6	6
25	000203-101	Set Screw	M6*1.0P*6	4
26	000302-101	Round Head Screw	M4*0.7P*6	2
*27	TH17-01	Motor Ass'y		

28	012003-007	Key	5*5*20	4
29	380383-902	Motor Pulley		1
30	014314-000	Belt	180J-9	1
31	006001-090	Flat Washer	12.2*22*2.0t	1
32	009017-100	Hex Nut	1/2"-13NC	1
33	006001-096	Flat Washer	13.5*32*3t	1
34	050584-008	Motor Bracket		1
35	000004-103	Hex Screw	M10*1.5P*30	4
36	360284-901	Bolt		1
37	380384-902	Blade Pulley		1
38	490318-000	Sensor Ass'y		1
39	030208-000	Ball Bearing	6204-2NSE	2
40	000301-201	Round HD Phil. Screw	M3*0.5P*6	4
41	360525-901	Fixing Ring		1
42	380370-901	Drive Arbor		1
43	390016-000	Saw Blade	40T	1
44	380283-901	Blade Washer		1
45	380220-901	Nut		2
46	006503-100	Tooth washer	6.4*11(BW-6)	1
47	002604-102	CAP Check Bolt	M10*1.5P*25	1
48	050587-008	Lifting Fixing Bracket		1
49	000004-112	Hex Screw	M10*1.5P*45	3
50	008007-100	Hex Nut	M10*1.5P(17B*8H)	5
51	050586-008	Lifting Gear		1
52	921148-000	Dust Guide Ass'y		1
	171425-901	Dust Guide Plate		1
	171426-901	Connecting Plate		1
53	000003-102	Hex Screw	M8*1.25P*16	4
54	000004-104	Hex Screw	M10*1.5P*35	4
55	050585-008	Turnnion Bracket		2
56	000003-106	Hex Screw	M8*1.25P*30	1
57	000003-105	Hex Screw	M8*1.25P*25	2
58	380386-901	Lock Bolt		1
59	006001-054	Flat Washer	8.5*20*2.0t	4
60	006307-100	Spring Washer	10.2*18.5	10
61	006001-067	Flat Washer	10*20*1.5t	6
62	050583-008	Turnnion		1
63	360281-901	Turnnion Arbor		1
64	171424-905	Bushing		2
65	380387-905	Nylock Nut	BWW6203(29.8*38.3)	1
66	010024-000	S-Ring	STW-28	1
67	171419-156	Indicator		1
68	000304-102	Round HD Phil. Screw	M6*1.0P*10	1
69	380385-901	Worm Gear		2

70	011003-104	Spring Pin	5*25	2
71	360272-901	Elevating Worm Shaft		1
72	130061-000	Key		2
73	021801-000	Retaining Ring	NB-1722	2
74	171749-901	Bushing		1
75	006006-106	Flat Washer	19.1*25.4*1.6	4
76	003202-107	Set Screw	5/16"-18NC*5/16"	3
77	360376-901	Fixed Ring		1
78	000203-105	Set Screw	M6*1.0P*14	6
79	240049-000	Hand Wheel		2
80	920662-000	Lock Bolt Ass'y		2
	360036-000	Lock Bolt		1
	250433-615	Lock Handle		1
81	230114-906	Handle		2
82	250558-615	Handle		1
83	360683-901	Shaft		1
84	011002-106	Spring Pin	4*25	1
85	006001-015	Flat Washer	5.6*13*1.0t	1
86	000102-103	CAP Screw	M5*0.8P*10	1
87	171418-000	Motor Cover		1
88	340007-615	Rail Silder		2
89	170489-904	Wrench		2
*90	TH17-02	Switch Ass'y		
91	171417-000	Stand		1
92	006502-100	Tooth washer	5.3*10(BW-5)	2
93	050582-008	Worm Shaft Bracket		1
94	360271-901	Worm Shaft		1
95	170965-904	Fixed Bracket		1
96	170542-904	Miter Gauge Resting Rack		2
97	170541-904	Fence Seat Resting Rack		2
98	000303-103	Round HD Phil. Screw	M5*0.8P*10	4
99	040203-000	Open Wrench	11*13	1
100	040204-000	Open Wrench	12*14	1
101	040206-000	Open Wrench	17*19	1
102	040002-000	Hex. Wrench	2.5mm	1
103	040005-000	Hex. Wrench	5mm	1
104	040006-000	Hex. Wrench	6mm	1
105	003009-101	Hex. Screw	1/2"-13NC*1-3/4"	1
106	171656-000	Sensor		1
107	250547-615	Sensor Box		1
108	171790-000	L-Plate		1
109	001101-105	Round Head Self-Tapping Screw	M3*1.06P*06L	2
110	000302-102	Round HD Phil. Screw	M4*0.7P*8	2

4015 Accessory



Key	Part #	Description	Specification	Quantity
4015				
Acc.				
1	921152-000	Fence Ass'y		1
.1	000304-202	Round HD Phil. Screw	M6*1.0P*10	4
.2	006002-023	Flat Washer	6.3*13*2.0t	4
.3	250470-620	Indicator		2
.4	250472-621	Plastic Set Screw	M12*1.75P	2
.5	000004-306	Hex Screw	M10*1.5P*50	1
.6	250505-615	Rear Fence Friction Pulley		1
.7	000103-108	CAP Screw	M6*1.0P*25	1
.8	002602-101	CAP Check Bolt	M6*1.0P*12	2
.9	270037-901	Fragment		1
.10	250230-615	Handle Cap		1
.11	250231-615	Handle		1
.12	130154-000	Clamping Cam		1
.13	002103-102	Pan Head Lock Screw	M6*1.0P*6	2
.14	008308-100	Nylock Nut	M10*1.5P(17B*12H)	1
.15	250471-621	Friction Plate		2
.16	171372-904	Friction Plate Fixing Support		1
.17	001903-105	Set Lock Screw	M8*1.25P*8	2
.18	250483-615	Connecting Plate Cap		4
.19	310083-909	Fence Connecting Board		2
.20	171423-308	Fence Body		1
.21	048701-101	Square Screw	M8*1.25P*20	8

.22	006001-054	Flat Washer	8.5*20*2t	8
.23	008015-100	Hex Nut	M8*1.25P(12B*6.5H)	8
2	921153-000	Spreader Guard Ass'y		1
.1	010302-000	Push Nut	SPN-6	4
.2	250180-627	Blade Guard		1
.3	360442-901	Pin		1
.4	171769-904	Connecting Plate		1
.5	170522-901	Anti-Kick Pawl		2
.6	130072-000	Fix Collar		2
.7	011002-105	Spring Pin	4*20	1
.8	360681-901	Pin		1
.9	171420-904	Spreader		1
.10	280061-000	Spring		1
.11	571157-000	Warning Plate	RYOBI	1
.12	000302-101	Round HD Phil. Screw	M4*0.7P*6	2
.13	008402-200	Wing Nut	M5*0.8P	1
.14	000001-208	Hex Screw	M5*0.8P*35L	1
.15	310101-909	Connecting Rod Fixing Support		1
3	921154-000	Fixing Support Ass'y		1
.1	050340-902	Adjust Block		1
.2	360466-901	Support Shaft		1
.3	380220-901	Blade Nut		1
.4	380386-901	Lock Bolt		1
.5	006001-054	Flat Washer	8.5*20*2.0t	1
.6	000003-104	Hex Screw	M8*1.25P*20	1
.7	006305-100	Spring Washer	8.2*15.4	1
.8	000003-107	Hex Screw	M8*1.25P*35	1
21	921247-000	Miter Gauge Ass'y		1
.1	003303-105	Round Head Screw	3/16''-24NC*3/8''	3
.2	250193-000	Indicator		1
.3	130053-901	Packing Block		1
.4	360381-901	Fixing Support		1
.5	571614-000	Miter Gauge Scale		1
.6	003305-106	Round Head Screw	5/32''-32NC*5/8''	3
.7	009001-100	Hex Nut	5/32''-32NC(8B*3.8H)	3
.8	290017-901	Shoulder Screw		1
.9	230222-901	Position Pin		3
.10	250146-000	Miter Gauge Handle		1
.11	006002-051	Flat Washer	8.5*18*3.0t	1
.12	090067-008	Miter Gauge		1
.13	380287-904	Position Plate		1
.14	380069-901	Packing		1
.15	000403-105	Flat Head Screw	M6*1.0P*6	1
.16	043311-000	O-Ring	P5	1

4015 Table

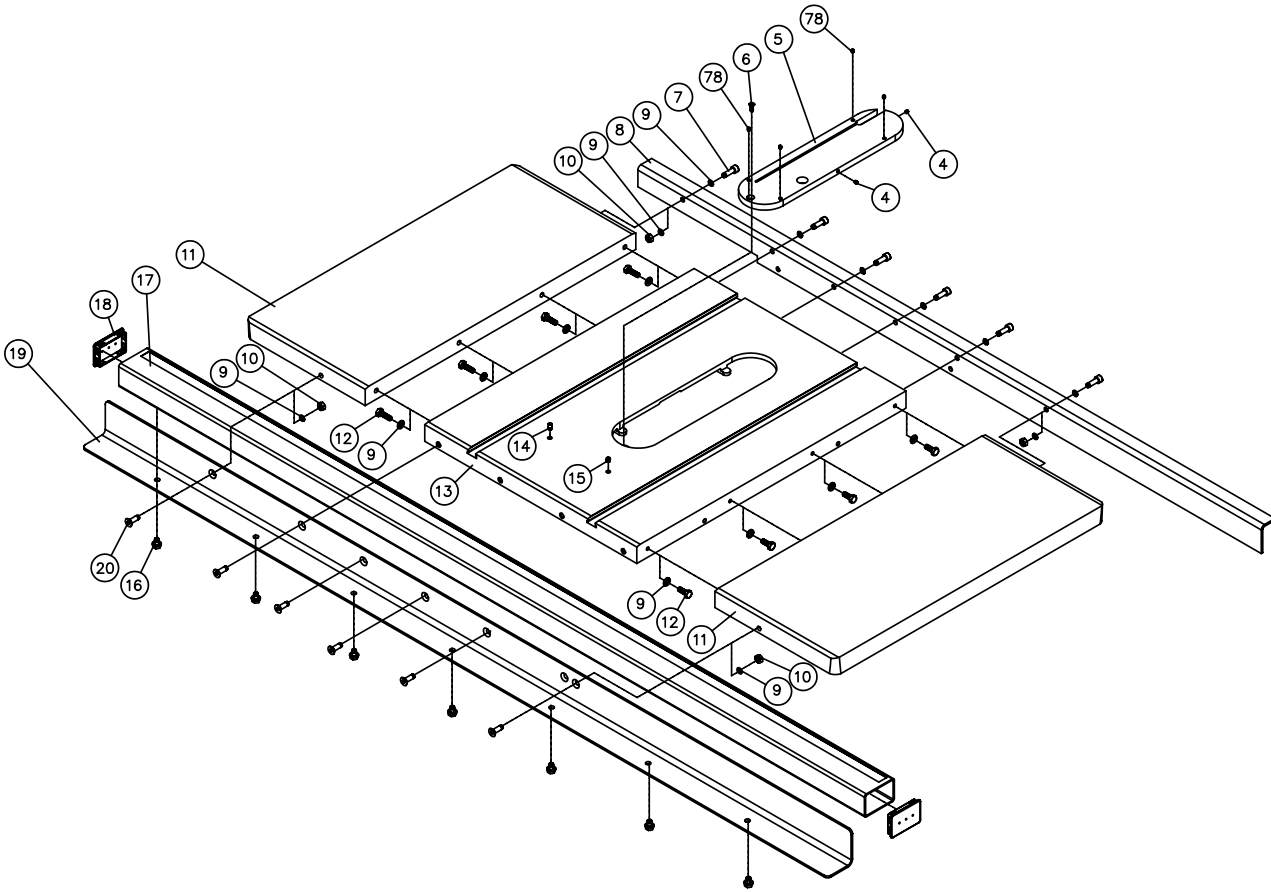
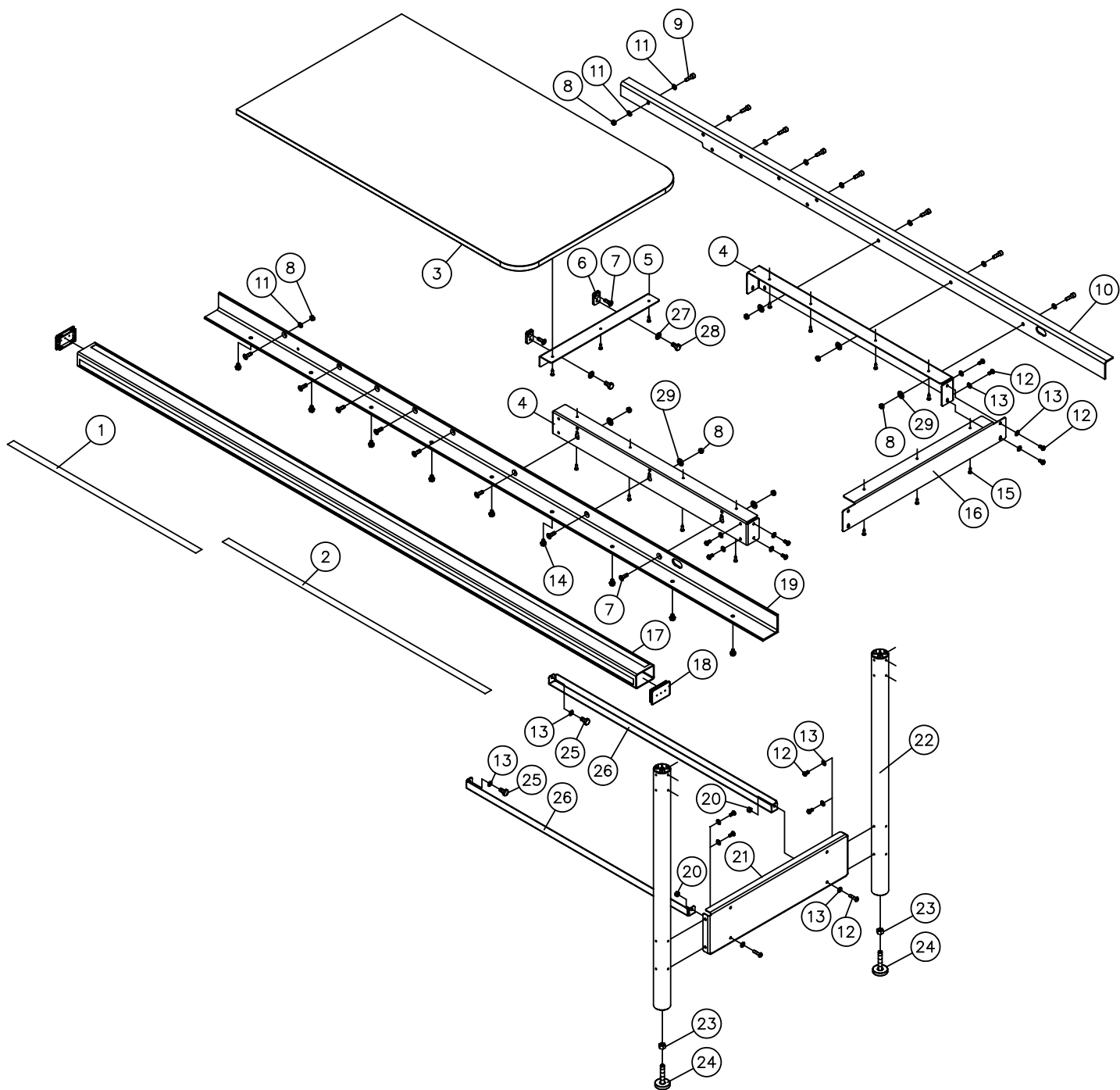
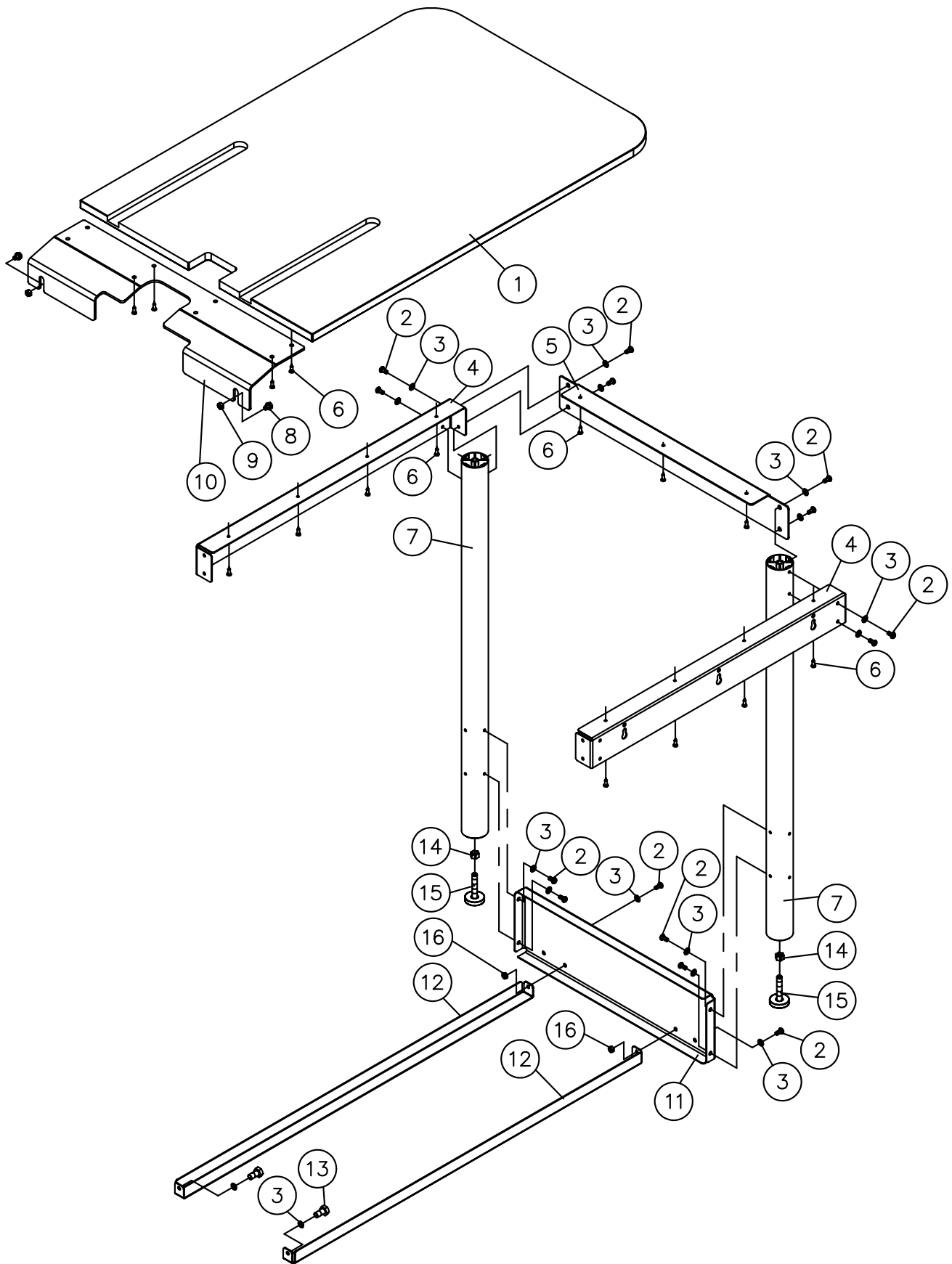


Table				
4	000203-102	Set Screw	M6*1.0P*8	2
5	250551-000	Table Insert		1
6	000402-104	Flat Head Screw	M5*0.8P*12	1
7	000104-108	CAP Screw	M8*1.25P*25	6
8	171422-422	Rear Rail		1
9	006305-100	Spring Washer	8.2*15.4	24
10	008006-100	Hex Nut	M8*1.25P(13B*6.5H)	5
11	050330-000	Extension Table		2
12	000003-104	Hex Screw	M8*1.25P*20	9
13	050581-000	Table		1
14	001903-103	Set Screw	M8*1.25P*20	1
15	001903-106	Set Screw	M8*1.25P*14	1
16	049201-102	Hex Screw w/Washer	M8*1.25P*12/8.5*16*2t	12
17	190102-422	Front Rail		1
18	250467-615	Rail Cap		2
19	171421-422	Rail Supporting Plate		1
20	000704-102	Socket Head Screw	M8*1.25P*25	6



4015 *Extended Rails with Side Table*

Extended Rails with Side Table			
id	Descriptions		QTY
	Right Extension Table Ass'y		1
0	Bagged Hardware Kits		1
6	Connecting Plate		2
7	Socket HD Bolt	M8*1.25P*25	2
12	Phillips Head Screw	M6*1.0P*12	14
13	Flat Washer	6.6*13*1.0t	16
27	Flat Washer	8.5*23*2.0t	2
28	Hex HD Bolt	M8*1.25P*12	2
20	Hex Nut	M6*1.0P(10B*5H)	2
23	Hex Nut	3/8"-16NC(12.4B*8.33H)	2
24	Table Leg Ends Bolt		2
25	Hex HD Bolt	M6*1.0P*12	2
32	Polybag	275*185()*0.1t	1
0	Bagged Bolts for Rail		1
7	Socket HD Bolt	M8*1.25P*25	8
8	Hex Nut	M8*1.25P(13B*6.5H)	8
9	CAP Bolt	M8*1.25P*25	8
11	Spring Washer	8.2*15.4	10
14	Hex HD Bolt w/Washer	M8*1.25P*12-8.5*16*2.0t	9
29	Flat Washer	8.5*16*2.0t	6
42	Polybag	275*185()*0.1t	1
1	Cutting Thickness Scale (L)		1
2	Cutting Thickness Scale (R)		1
3	Table Top Board		1
4	Extension Table Support		2
5	Extension Table Bracket		1
10	Rear Rail		1
15	Tap Bolt		14
16	Right Extension Table Support		1
17	Front Rail		1
18	Rail Cap		2
19	Rail Supporting Plate		1
21	Right Extension Table Plate		1
22	Aluminium Table Support		2
26	Extension Table Lower Support Bracket		2
32	Polybag	2350*230()*0.05t	3
33	Right Extension Table Cardborad	1080*696*110	1
34	52" Rail Cardboard Case	2360*120*120mm	1
35	Right Extension Table Wooden Case	1125*800*230	1
36	Polybag	975*60()*0.1t	2
37	Lower Support Bracket Cardboard Case	945*58*30	1
38	Polybag	725*197()*0.1t	1
39	Right Extension Table Plate Cardboard Case	586*158*35	1
40	Polybag	900*90()*0.1t	2
41	Aluminium Table Leg Cardboard Case	860*58*58	2
43	Bagged Hardware Kits Cardboard Case	150*80*96	1
44	52" Rear Rail Division Board	45*45*116mm	1
45	52" Front Rail Division Board	85*60*2163mm	1



4015/4035 Rear Table

Rear Extension Table Ass'y			
0	Bagged Hardware Kits		1
2	Phillips Head Screw	M6*1.0P*12	14
3	Flat Washer	6.6*13*1.0t	16
6	Tap Bolt		8
8	Hex HD Bolt w/Washer	M8*1.25P*16/(13B*6.5H)	2
9	Hex Nut	M8*1.25P(13B*6.5H)	2
13	Hex HD Bolt	M6*1.0P*12	2
14	Hex Nut	3/8"-16NC(12.4B*8.33H)	2
15	Table Leg Ends Bolt		2
16	Hex Nut	M6*1.0P(10B*5H)	2
17	Polybag	200*133()*0.1t	1
1	Table Top Board		1
4	Extension Table Support		2
5	Rear Extension Table Support Bracket		1
6	Tap Bolt		11
7	Aluminium Table Support		2
10	Rear Extension Table Connecting Board		1
11	Rear Extension Table Plate		1
12	Extension Table Lower Support Bracket		2
18	Bagged Hardware Kits Cardboard Case	110*80*50	1
19	Rear Extension Table Wooden Case	970*678*200	1
20	Polybag	600*197()*0.1t	1
21	Rear Table Plate Cardboard Case	510*156*35	1
22	Rear Extension Table Cardboard Case	930*630*110	1
23	Polybag	975*60()*0.1t	2
24	Lower Support Bracket Cardboard Case	945*58*30	1
25	Polybag	900*90()*0.1t	2
26	Aluminium Table Support Cardboard Case	860*58*58	2
27	Polybag	500*240()*0.1t	1
28	Rear Connecting Board Cardboard Case	455*119*60	1