Owner's Manual

2.5 HP (Maximum Developed) 10" Inch Blade 5000 R.P.M.

TABLE SAW Model No. 137.218740

CAUTION:

Before using this Table Saw, read this manual and follow all its Safety Rules and Operating Instructions.

- Safety Instructions
- Installation
- Operation
- Maintenance
- Parts List
 - Español

Customer Help Line
1-800-843-1682

Sears, Roebuck and Co., Hoffman Estates, IL 60179 USA Part No. 137218740002

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WARRANTY

FULL ONE YEAR WARRANTY

If this product fails due to a defect in material or workmanship within one year from the date of purchase, Sears will repair it free of charge.

Contact a Sears Service Center for repair.

If this product is used for commercial or rental purposes, this warranty applies only for 90 days from the date of purchase.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Sears, Roebuck and Co., Dept. 817 WA, Hoffman Estates, IL 60179

PRODUCT SPECIFICATIONS

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Maximum developed HP	
Volts	
Amperes	13
Hertz	60
RPM (no load)	5000
Overload protection	YES
SAW	
Table	17 1/8" x 26"
Blade	10"
Maximum depth of cut at 90°	3 inches
Maximum depth of cut at 45°	2-1/2 inches
Maximum width of dado	1/2 inch
Weight	40 lbs.

A WARNING

To avoid electrical hazards, fire hazards, or damage to the tool, use proper circuit protection.

Your table saw is wired at the factory for 120V operation. Connect to a 120V, 15 AMP branch circuit and use a 15 AMP time delay fuse or circuit breaker. To avoid shock or fire, replace power cord immediately if it is worn, cut or damaged in any way.

GENERAL SAFETY INSTRUCTIONS

BEFORE USING THE TABLE SAW

Safety is a combination of common sense, staying alert and knowing how to use your table saw.

AWARNING

PAGE

To avoid mistakes that could cause serious injury, do not plug the table in until you have read and understood the following:

- 1. **READ** and become familiar with this entire instruction manual. LEARN the tool's applications, limitations, and possible hazards.
- 2. KEEP GUARDS IN PLACE and in working order.
- 3. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning "ON".
- 4. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
- 5. **DON'T USE IN A DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
- 6. **KEEP CHILDREN AWAY.** All visitors should be kept at a safe distance from the work area.
- 7. **MAKE WORKSHOP KID PROOF** with padlocks, master switches, or by removing starter keys.
- 8. **DON'T FORCE THE TOOL.** It will do the job better and safer at the rate for which it was designed.
- 9. USE THE RIGHT TOOL. Don't force tool or the attachment to do a job for which it was not designed.
- 10. USE PROPER EXTENSION CORD. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized is damaged should be properly repaired or replaced. cord will cause a drop in line voltage resulting in loss 20. NEVER LEAVE TOOL RUNNING UNATTENDED. of power and overheating. The table on page 5 shows TURN THE POWER "OFF". Don't leave the tool until the correct size to use depending on cord length and it comes to a complete stop. nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the 21. DON'T OVERREACH. Keep proper footing and heavier the cord. balance at all times.
- 11. WEAR PROPER APPAREL. DO NOT wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.

SAVE THESE INSTRUCTIONS

12.



ALWAYS WEAR EYE PROTECTION. Any table saw can throw foreign objects into the eyes which could cause permanent eye damage. ALWAYS wear Safety Goggles (not glasses) that

comply with ANSI safety standard Z87.1. Everyday eyeglasses have only impact-resistant lenses. They ARE NOT safety glasses. Safety Goggles are available at Sears. **NOTE:** Glasses or goggles not in compliance with ANSI Z87.1 could seriously hurt you when they break.

- 13. WEAR A FACE MASK OR DUST MASK. Sawing operation produces dust.
- 14. **SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.
- 15. **DISCONNECT TOOLS** before servicing, and when changing accessories, such as blades, bits, cutters, and the like.
- 16. **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure the switch is in "OFF" position before plugging in.
- 17. USE RECOMMENDED ACCESSORIES. Consult the owner's manual for the recommended accessories. The use of improper accessories may cause risk of injury to persons.
- 18. **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
- 19. CHECK FOR DAMAGED PARTS. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
- 22. MAINTAIN TOOLS WITH CARE. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- 23. **DO NOT** use power tools in the presence of flammable liquids or gases.

- 24. DO NOT operate the tool if you are under the influence 12. PROVIDE ADEQUATE SUPPORT to the rear and of any drugs, alcohol or medication that could affect your ability to use the tool properly.
- 25. Dust generated from certain materials can be hazardous to your health. Always operate the table saw in a well-ventilated area and provide for proper dust removal. Use dust collection systems whenever possible.

SPECIFIC SAFETY INSTRUCTIONS FOR THE TABLE SAW

- 1. ALWAYS USE SAW BLADE GUARD spreader and anti-kickback pawls for every operation for which they can be used, including through-sawing. Through-sawing operations are those in which the blade cuts completely through the workpiece when ripping or cross cutting.
- 2. ALWAYS HOLD THE WORK FIRMLY against the miter gauge or rip fence.
- 3. USE A PUSH STICK when required. Always use a push stick for ripping narrow stock. Refer to ripping applications in the instruction manual where the push stick is covered in detail. See the push stick pattern included in this Owner's Manual.
- 4. NEVER PERFORM ANY OPERATION "FREE HAND", which means using your hands only to support or guide the work piece. Always use either the fence or the miter gauge to position and guide the work.
- 5. **NEVER STAND** or have any part of your body in line with the path of the saw blade. Keep your hands out of the line of the saw blade.
- 6. NEVER REACH behind or over the cutting tool for any reason.
- 7. **REMOVE** the rip fence when cross-cutting.
- DO NOT USE molding head set with this saw. 8.
- FEED WORK INTO THE BLADE against the 9. direction of rotation only.
- 10. NEVER use the fence as a cut-off gauge when cross-cutting.
- 11. NEVER ATTEMPT TO FREE A STALLED SAW **BLADE** without first turning the saw OFF. Turn off power switch immediately to prevent motor damage.

SAVE THESE INSTRUCTIONS

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- sides of the saw table for wide or long workpieces.
- 13. AVOID KICKBACKS (work thrown back towards you) by keeping the blade sharp, keeping the rip fence parallel to the saw blade, and by keeping the spreader, anti-kickback pawls, and guard in place and operating. Do not release work before it is pushed all the way past the saw blade. Do not rip work that is twisted, warped, or does not have a straight edge to guide along the fence.
- 14. AVOID AWKWARD OPERATIONS and hand positions where a sudden slip could cause your hand to move into the cutting tool.
- 15. NEVER USE SOLVENTS to clean plastic parts. Solvents could possibly dissolve or otherwise damage the material. Only a soft damp cloth should be used to clean plastic parts.
- 16. **MOUNT** your table saw before performing any cutting operations. Refer to installation instructions.
- 17. NEVER CUT METALS or materials which may make hazardous dust.
- 18. ALWAYS USE IN A WELL VENTILATED AREA. Remove saw dust frequently. Clean out sawdust from the interior of the saw to prevent a potential fire hazard.
- 19. NEVER LEAVE THE TOOL running unattended. Don't leave the tool until it comes to a complete stop.
- 20. For proper operation follow the instructions of this owner's manual titled "SAW MOUNTED TO WORK SURFACES." Failure to provide sawdust fall-through and removal hole will allow sawdust to build up in the motor area, which may result in a fire hazard or cause motor damage.

GROUNDING INSTRUCTIONS

IN THE EVENT OF A MALFUNCTION OR BREAKDOWN. grounding provides a path of least resistance for electric current and reduces the risk of electric shock. This tool is equipped with an electric cord that has an equipment grounding conductor and a grounding plug. The plug MUST be plugged into a matching receptacle that is properly installed and grounded in accordance with ALL local codes and ordinances.

DO NOT MODIFY THE PLUG PROVIDED. If it will not fit the receptacle, have the proper receptacle installed by a qualified electrician.

IMPROPER CONNECTION of the equipment grounding conductor can result in risk of electric shock. The conductor with the green insulation (with or without vellow stripes) is the equipment grounding conductor. If repair or replacement of the electric cord or plug is necessary, DO NOT connect the equipment grounding conductor to a live terminal.

CHECK with a qualified electrician or service personnel if you do not completely understand the grounding instructions, or if you are not sure the tool is properly grounded.

USE ONLY 3-WIRE EXTENSION CORDS THAT HAVE 3-PRONG GROUNDING PLUGS AND 3-POLE RECEPTACLES THAT ACCEPT THE TOOL'S PLUG. **REPAIR OR REPLACE DAMAGED OR WORN CORD** IMMEDIATELY.

GUIDELINES FOR EXTENSION CORDS

USE PROPER EXTENSION CORD. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The table below shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

Be sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified person before using it. Protect your extension cords from sharp objects, excessive heat and damp or wet areas.

Use a separate electrical circuit for your tools. This circuit must not be less than #12 wire and should be protected with a 15 Amp time lag fuse. Before connecting the motor to the power line, make sure the switch is in the "OFF" position and the electric current is rated the same as the current stamped on the motor nameplate. Running at a lower voltage will damage the motor.

SAVE THESE INSTRUCTIONS

This tool is intended for use on a circuit that has a receptacle like the one illustrated in FIGURE A. FIGURE A shows a 3-prong electrical plug and receptacle that has a grounding conductor. If a properly grounded receptacle is not available, an adapter (FIGURE B) can be used to temporarily connect this plug to a 2-contact ungrounded receptacle. The temporary adapter should be used only until a properly grounded receptacle can be installed by a qualified technician. The adapter (FIGURE B) has a rigid lug extending from it that MUST be connected to a permanent earth ground, such as a properly grounded receptacle box. The Canadian Electrical Code prohibits the use of adapters.

CAUTION: In all cases, make certain the receptacle in question is properly grounded. If you are not sure have a certified electrician check the receptacle.

A WARNING

This table saw is for indoor use only. Do not expose to rain or use in damp locations.

Fig. A

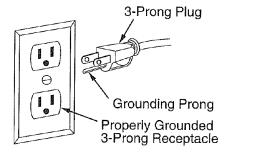
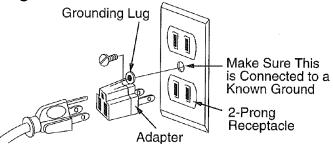


Fig. B



A WARNING

This tool must be grounded while in use to protect the operator from electrical shock.

M	IINIMUM GAU((wł		EXTENS 120 volt		DS (AWG)
Ampere Rating Total length of cord in feet				feet	
more than	not more than	25'	50'	100'	150'
0	6	18	16	16	14
6	10	18	16	14	12
10	12	16	16	14	12
12	16	14	12	Not Re	ecommended

ACCESSORIES AND ATTACHMENTS

AVAILABLE ACCESSORIES

Visit your Sears Hardware Department or see the Sears Power and Handtool Catalog for the following accessories:

	ITEM ITEM NUMBER
9 9	Saw blades See catalog or store Table Saw and Bench Power Tool
0	Know How Manual
9 9	Saw Push Shoe 32190 Taper Jig 3233 Fence Guide System 3237

6 inch Dado Set 32175 0

AWARNING

Do not use adjustable (wobble) type dadoes or carbide tipped dado blades on this saw. Maximum dado width is 1/2". Do not use a dado with a diameter larger than 6". Also do not use molding head set with this saw.

Sears may recommend other accessories not listed in this manual.

See your nearest Sears store or Power and Hand Tool Catalog for other accessories.

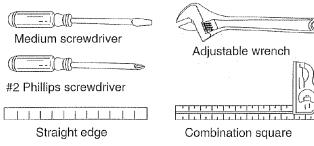
Do not use any accessory unless you have completely read the instruction or owner's manual for that accessory.

A WARNING

Use only accessories recommended for this saw. Using other accessories may be dangerous.

CARTON CONTENTS

UNPACKING AND CHECKING CONTENTS TOOLS NEEDED



Separate all parts from packing material. Check each one with the illustration and the list of loose parts to make certain all items are accounted for, before discarding any packing material.

2 WARNING

If any parts are missing or damaged, do not attempt to assemble the table saw, plug in the power cord, or turn the switch on until the missing or damaged part is obtained and is installed correctly.

TABLE OF LOOSE PARTS

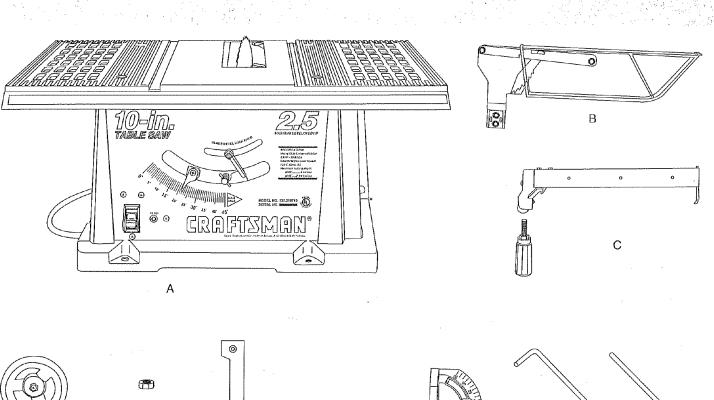
ITEM	DESCRIPTION	QUANTITY
A.	Table saw assembly	1
В.	Blade guard and splitter	1
C.	Rip fence and handle	1 .
D.	Hand wheel	1
E.	Flat washer, nut	1 .
F.	Dado insert	1
G.	Mitre gauge and knob	1.
	Loose parts:	
Н.	Support rod	1
I.	Stop rod	1
J.	Wing nut	1
K.	Holder plate	1
L.	Clamp plates	2
М.	Bolt	1
N.	Square nut	1
О.	Cap head bolt	. 1
Ρ.	Bolt,flat washer, tooth washer washer	, 1
Q.	Screws	2
R.	Nuts	2
S.	Storage bracket	. 1
T.	Hex key	1
U.	Blade wrenches	2

NOTE:

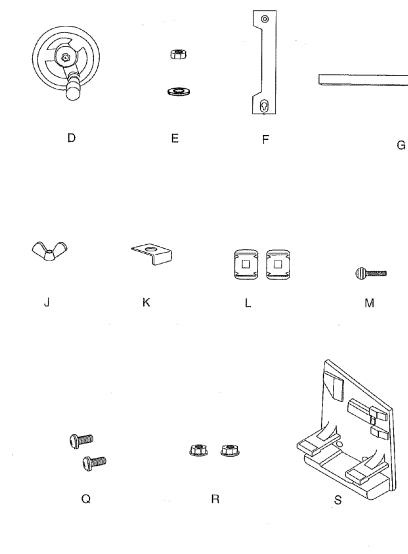
To make assembly easier, keep contents of box together. Apply a coat of automobile wax to the table. Wipe all parts thoroughly with a clean dry cloth. This will reduce friction when pushing the workpiece.

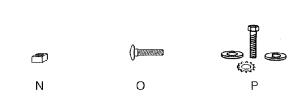
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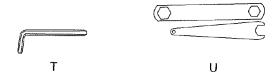




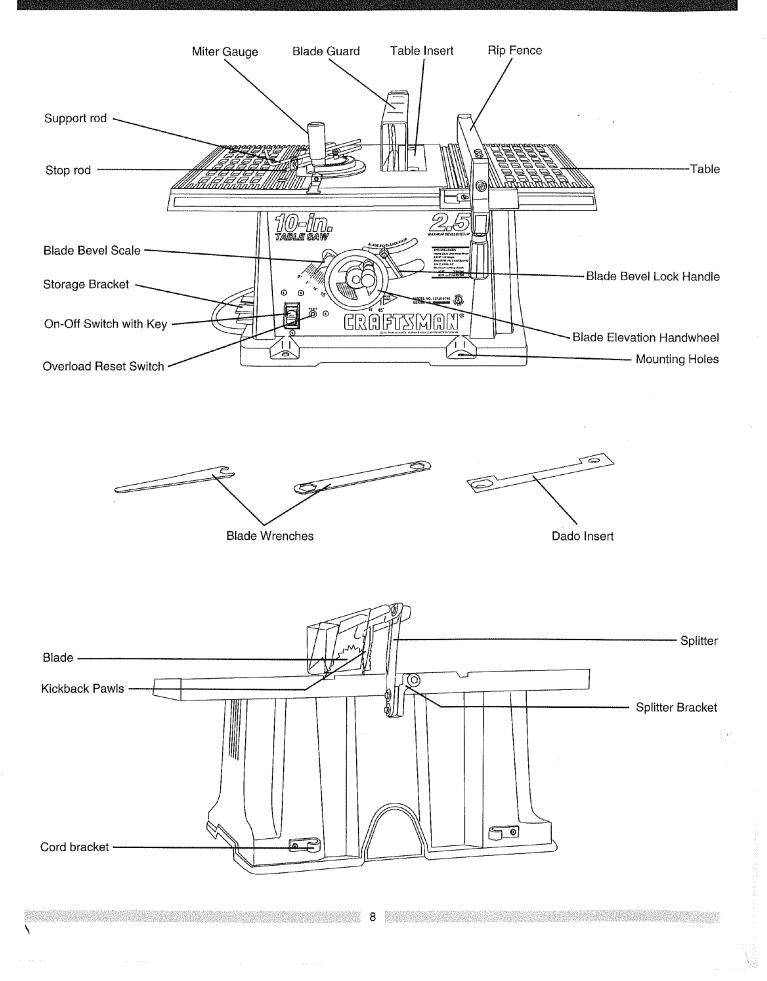


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KNOW YOUR TABLE SAW



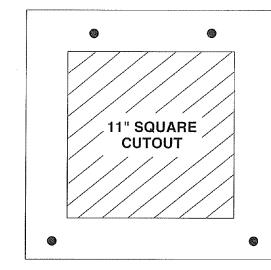
ASSEMBLY AND ADJUSTMENTS

ASSEMBLY INSTRUCTIONS

MOUNTING SAW TO WORK SURFACES (FIG. C)

- 1. A sawdust fall-through hole must be provided in the work surface where the saw is to be mounted.
- 2. Position the saw on the work surface and mark the location of the four table saw mounting holes.
- 3. Drill holes into the work surface.
- 4. Mark an 11" square (2) centered between the four mounting holes (1).
- Cut out and remove the square piece. 5.
- This opening will allow sawdust to fall through the 6. saw base.
- 7. Fasten the saw to the work surface with appropriately sized bolts, nuts and washers.





A WARNING

Failure to provide the sawdust fall-through hole will cause sawdust to build up in the motor area, which may result in fire or cause motor damage.

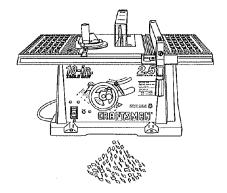
KEEPING THE AREA CLEAN (FIG. D)

- 1. Saw dust and wood chips that fall from under the saw will accumulate on the floor.
- 2. Make it a practice to pick up and discard this dust when you have completed cutting.

A WARNING

Always keep your work area clean, uncluttered and well lit. Do not work on floor surfaces that are slippery from sawdust or wax.

Fig. D



BLADE RAISING HAND WHEEL (FIG. E,F)

- 1. Attach the hand wheel (1) to the elevation screw (2). Make sure the slots (3) in the hub of the handwheel engage with the pins (4).
- 2. Tighten the screw nut (5) at the end of the shaft (Fig. F).

Fig. E

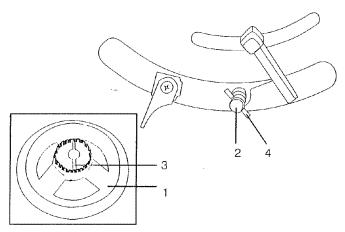
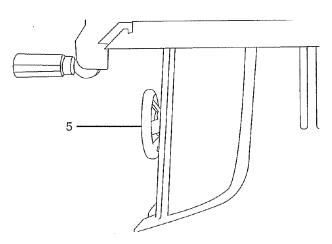
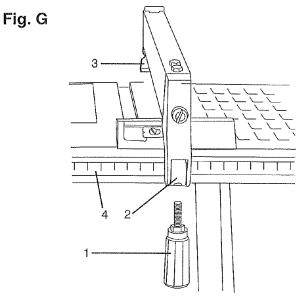


Fig. F



RIP FENCE (FIG. G)

- 1. Thread the fence handle (1) into the cam hole (2) until tight.
- 2. Lift upward on the rip fence handle (1) so that the holding clamp (3) is fully extended.
- 3. Place the rip fence on the saw table and engage the holding clamp (3) to the table rear. Lower the front end onto the front rail (4).
- 4. Push down on the fence handle (1) to lock.



CHANGING THE BLADE (FIG. H, I, J)

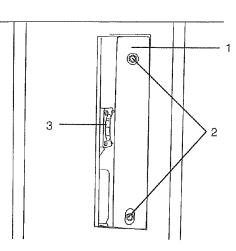
A WARNING

To avoid injury from an accidental start, make sure the switch is in the "OFF" position and the plug is not connected to the power source outlet.

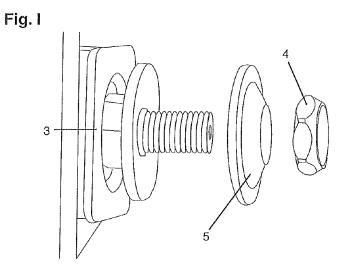
1. Remove the table insert (1) by unscrewing the two screws (2). Be careful not to lose the rubber washer that is on the back screw beneath the table insert.

NOTE: The back screw is longer than the front screw.

Fig. H

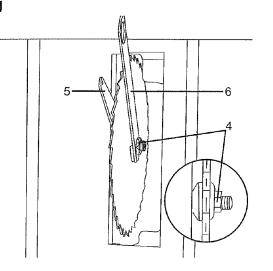


- 2. Raise the blade arbor (3) (FIG. I) to the maximum height by turning the blade raising hand wheel counterclockwise.
- 3. Remove the arbor nut (4) and flange (5).
- 4. Install the saw blade onto the arbor with the blade teeth pointing toward the front of the saw.
- 5. Install the flange (5) against the blade and thread the arbor nut (4) as far as possible by hand. Ensure that the blade is flush against the inner blade flange.



- 6. To tighten the arbor nut (4) (FIG. J) use the open-end wrench (5) and align the wrench jaws on the flats of the saw arbor to keep the arbor from turning.
- 7. Place the box-end wrench (6) on the arbor nut (4), and turn clockwise (to the rear of the saw table.)
- 8. Replace the blade insert in the table recess, insert screws through the front and rear holes and tighten.





AWARNING

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To avoid injury from a thrown workpiece, blade parts, or blade contact, never operate saw without the proper insert in place. Use the saw blade insert when sawing. Use the dado head insert when using a dado.

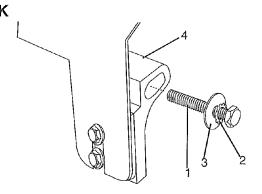
BLADE GUARD ASSEMBLY (FIG. K, L, M, N)

AWARNING

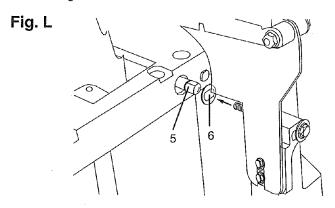
To avoid injury from an accidental start, make sure the switch is in the "OFF" position and the plug is not connected to the power source outlet.

- 1. Set the blade to maximum height and the tilt to zero degrees on the bevel scale. Lock the blade lock knob.
- 2. Place the external tooth lockwasher (2) followed by a flat washer (3) onto the long bolt (1).
- 3. Insert this bolt through the splitter bracket (4).



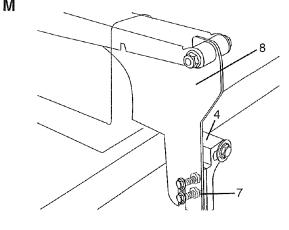


4. Place washer (6) on the pivot rod (5). Then insert the blade guard splitter bracket onto the pivot rod and tighten.



5. Check that the nuts (7) that hold the blade guard assembly (8) to the splitter bracket (4) are tight. Tighten if necessary.

Fig. M

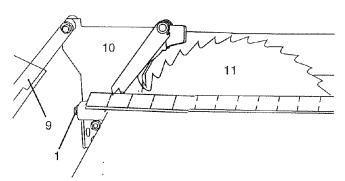


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- 6. Position the blade guard arm (9) (FIG. N) to the rear.
- 7. Using a straight edge, check to see that the blade guard splitter (10) is aligned with the saw blade (11).
- 8. If straightening adjustment is necessary, loosen bolt (1) and shift the splitter assembly (10) to the left or to the right, or rotate as needed.
- 9. When you are certain the splitter (10) is properly aligned with the saw blade, tighten the bolt (1).

NOTE: The splitter (10) must always be correctly aligned so that the cut workpiece will pass on either side of the splitter without binding or twisting to the side.

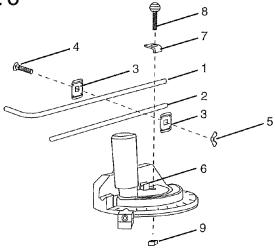
Fig. N



MITER GAUGE STOP ROD ASSEMBLY (FIG. O)

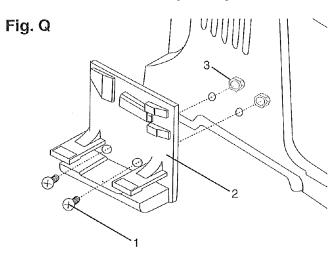
- 1. Assemble the stop rod (1) and support rod (2) with the two clamp plates (3).
- 2. Insert a cap head square neck bolt (4) through the clamp plates, and fasten with the wing nut (5).
- 3. Place the stop rod assembly in the miter gauge recess (6).
- 4. Placing the holder plate (7) over the support rod, secure it with a bolt (8) and square nut (9).
- 5. To adjust for different size workpieces, loosen the wing nut (5) or the bolt (8), and lengthen or shorten them.

Fig. O



STORAGE BRACKET ASSEMBLY (FIG. Q)

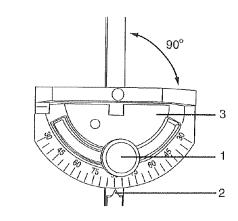
For convenient storage of accessories, install the bracket on the side of the table saw housing. Insert a pan head screw (1) through the storage bracket (2) and attach to the housing, as shown. Place a nut (3) on each screw from the inside of the housing, and tighten.



ADJUSTMENT INSTRUCTIONS

MITER GAUGE ADJUSTMENT (FIG. R)

- 1. Make sure that the miter gauge will slide freely through both table grooves.
- 2. Loosen the lock knob (1). Set pointer (2) at the 90° mark on the scale.
- 3. Using a piece of scrap wood, make a 90° cut. Then check the cut piece to see if it was cut at 90°. If not 90°, continue to adjust the miter gauge body (3) until the wood piece is cut at 90°.
- 4. When a 90° degree cut has been made, loosen the pointer screw (4) and set on the 90° scale mark. Tighten screw.



RIP FENCE ADJUSTMENT (FIG. S)

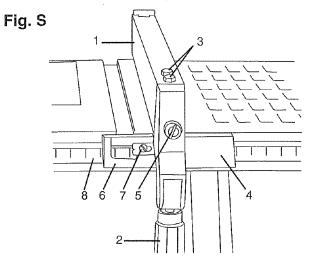
AWARNING

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Fig. R

To avoid injury from an accidental start, make sure the switch is in the "OFF" position and the plug is not connected to the power source outlet.

- 1. The fence (1) is moved by lifting up on the handle (2) and sliding the fence to the desired location. Pushing down on the handle (2) locks the fence in position.
- 2. Position the fence on the right side of the table, and along one edge of the miter gauge grooves.
- 3. Lock the fence handle (2). The fence should be parallel with the miter gauge groove.
- 4. If adjustment is needed to make the fence parallel to the aroove, do the following:
- 5. Loosen the two screws (3) and lift up on the handle (2).
- 6. Hold the fence bracket (4) firmly against the front of the saw table. Move the far end of the fence until it is parallel with the miter gauge groove.
- 7. Tighten both screws (3) and push the handle (2) to lock.
- 8. If fence is loose when the handle is in the locked (downward) position, do the following.
- 9. Move the handle (2) upward and turn the adjusting screw (5) clockwise until the rear clamp is snug. Do not turn the adjusting screw (5) more than 1/4 turn at a time.
- 10. Over-tightening the adjusting screw (5) will cause the fence to come out of alignment.



RIP FENCE INDICATOR ADJUSTMENT (FIG. S)

- 1. The rip fence indicator (6) points to the measurement scale (8). The scale shows the distance from the side of the fence to the nearest side of the blade.
- 2. Measure the actual distance with a rule. If there is a difference between the measurement and the indicator, adjust the indicator (6).
- 3. Loosen the screw (7) and slide indicator (6) to the correct measurement scale. Tighten screw and remeasure with the rule.

AWARNING

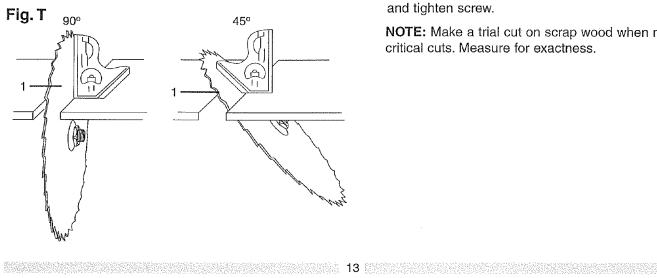
To avoid injury from an accidental start, make sure the switch is in the "OFF" position and the plug is not connected to the power source outlet.

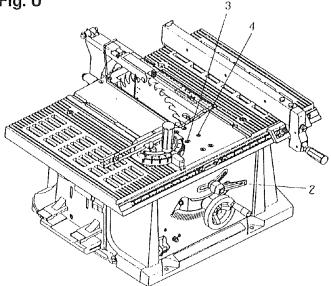
ADJUSTING THE 90° AND 45° POSITIVE STOPS (FIG. T. U)

Your saw has positive stops that will quickly position the saw blade at 90° or 45° to the table. Make adjustments only if necessary.

90° Stop

- 1. Disconnect the saw from the power source.
- 2. Turn the blade elevation handwheel and raise the blade to the maximum elevation.
- 3. Loosen the blade bevel lock handle (2) and move the blade to the maximum vertical position. Tighten the lock handle (2)
- 4. Place a combination square on the table and against the blade (1) to determine if the blade is 90° to the table. (FIG. T)
- 5. If the blade is not 90° to the table, loosen the screw (3),
- Loosen the bevel lock handle (2) and move the blade 6 until it is 90° to the table.
- Tighten the bevel lock handle (2). 7.
- Tighten the screw (3) until resistance is felt. 8 Do not overtighten.
- Check the bevel angle scale. If the pointer does 9 not read 90°, loosen the screw holding the pointer and move the pointer so it reads correctly. Retighten the pointer screw.





45° Stop

- 1. With the blade in the upright 90° position, loosen the bevel lock knob and move the blade to the 45° position as far as it will go.
- 2. Place the combination square on the table as shown in (FIG. T) to check if the blade is 45° to the table.
- 3. If the blade is not 45° to the table, adjust the screw (4) with a screw driver until the blade is 45° to the table.
- 4. Tighten the bevel lock handle (2).
- Tighten the screw (4) until resistance is felt. 5. Do not overtighten.

BLADE TILT INDICATOR

- 1. When the blade is positioned at 90°, adjust the blade tilt pointer to read 0° on the scale.
- 2. Loosen the holding screw, position pointer over 0° and tighten screw.

NOTE: Make a trial cut on scrap wood when making critical cuts. Measure for exactness.

BLADE PARALLEL TO THE MITER GAUGE GROOVE (FIG.V)

AWARNING

To prevent personal injury, always disconnect plug from the power source when making any adjustments.

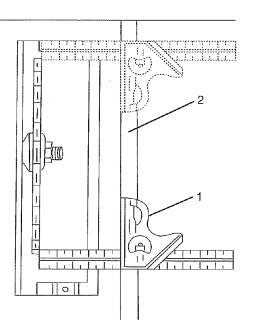
This adjustment was made at the factory, but it should be rechecked and adjusted if necessary.

AWABNING

This adjustment must be correct or kickback could result and accurate cuts cannot be made.

- 1. Remove the yellow switch key and unplug the saw.
- 2. Move the blade guard out of the way.
- Raise the blade to the highest position and set at З. the 0° angle (90° straight up).
- Select and mark, with a felt tip marker, a blade 4. tooth having a "right set".
- 5. Place the combination square base (1) into the right side miter gauge groove (2). (FIG. V)
- 6. Adjust the rule so it touches the front marked tooth and lock ruler so it holds its position in the square assembly.
- 7. Rotate the blade bringing the marked tooth to the rear and about 1/2 inch above the table.
- Carefully slide the combination square to the rear 8. until the ruler touches the marked tooth.
- 9. If the ruler touches the marked tooth at the front and rear positions, no adjustment is needed at this time.

Fig. V

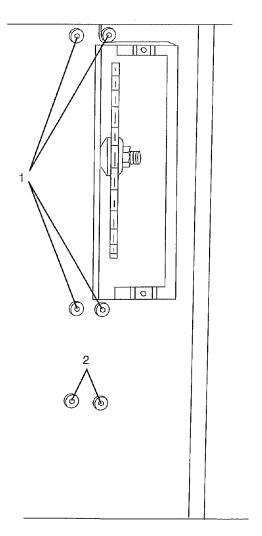


ADJUSTING THE BLADE TO BE PARALLEL TO THE MITER GAUGE GROOVE (FIG. W)

- 1. If the front and rear measurements are not the same, remove the combination square and loosen the four adjusting screws (1) on the top of the table about a half turn.
- 2. With a folded piece of cardboard covering the blade to protect your hands, move the blade carefully to the left or right as much as needed to align the blade correctly.
- 3. Tighten the four screws (1) and remeasure, as described in steps 4 to 9 in the prior section.
- 4. If sufficient adjustment cannot be made by the adjusting screws (1), then also loosen the two adjustment screws (2). Loosen these screws (2) only if necessary.
- 5. Recheck blade clearance making sure that the blade does not hit the table insert or other parts when at the 90° and 45° settings.
- 6. Tighten all screws.

Fig. W

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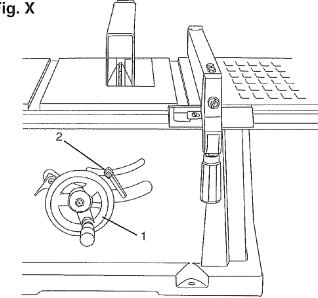


BASIC SAW OPERATIONS

RAISING THE BLADE (FIG. X)

To raise or lower the blade, turn the blade elevation handwheel (1) to the desired blade height, and then tighten lock handle (2) to maintain the desired blade angle.

Fig. X



TILTING THE BLADE

Two methods are available for tilting the saw blade.

Rapid blade tilting

Loosen blade lock handle (2), move the hand wheel (1) to the desired angle and tighten lock handle.

Fine adjustment blade tilting

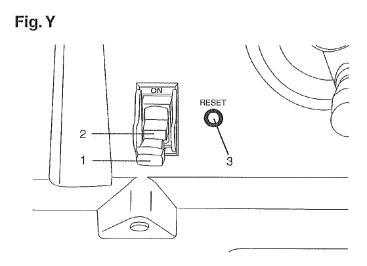
Loosen blade lock handle (2), push in hand wheel (1) and at the same time turn the hand wheel (1) to tilt the saw blade. When the saw blade is at the desired angle, tighten lock handle (2).

ON / OFF SWITCH (FIG. Y)

The ON / OFF switch has a removable key. With the key removed from the switch, unauthorized and hazardous use by children and others is minimized.

- 1. To turn the saw ON, insert key (1) into the slot in the switch (2). Move the switch upward to the ON position.
- 2. To turn the saw OFF, move the switch downward.
- 3. To lock the switch in the OFF position, grasp the end (or vellow part) of the switch toggle (1), and pull it out.
- With the switch key removed, the switch will not operate.
- If the switch key is removed while the saw is running, 5. it can be turned OFF but cannot be restarted without inserting the switch key (1).

OPERATION



OVERLOAD PROTECTION (FIG. Y)

This saw has a reset overload relay button (3) that will restart the motor after it shuts off due to overloading or low voltage. If the motor stops during operation, turn the ON /OFF switch to the OFF position. Wait about five minutes for the motor to cool. Push in on the reset button (3) and turn the switch to the ON position.

AWARNING

The ON / OFF switch should be in the OFF position, and the plug removed from the power source while the cool down takes place to prevent accidental starting when the reset button is pushed. Overheating may be caused by misaligned parts or dull blade. Inspect your saw for proper setup before using it again.

CUTTING OPERATIONS

There are two basic types of cuts: ripping and crosscutting. Ripping is cutting along the length and the grain of the workpiece. Crosscutting is cutting either across the width or across the grain of the workpiece. Neither ripping nor crosscutting may be done safely freehand. Ripping requires the use of the rip fence, and crosscutting requires the miter gauge.

CAUTION: Before using the saw each and every time, check the following:

- 1. Blade is tight on the arbor.
- 2. Bevel angle lock knob is tight.
- 3. If ripping, fence knob is tight and fence is parallel to the miter gauge grooves.
- 4. Blade guard is in place and working properly.
- 5. Safety glasses are being worn.

The failure to adhere to these common safety rules, and those printed in the front of this manual, can greatly increase the likelihood of injury.

RIPPING (FIG. Z, AA)

AWARNING

Do not allow familiarity gained from the frequent use of your table saw to cause careless mistakes. Remember that even a careless fraction of a second is enough to cause a severe injury.

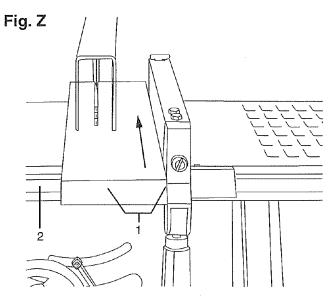
- 1. Remove the miter gauge. Secure the rip fence to the table.
- 2. Raise the blade so it is about 1/8" higher than the top of the workpiece.
- 3. Place the workpiece flat on the table and against the fence. Keep the workpiece about 1" away from the blade.

CAUTION: The workpiece must have a straight edge against the fence and must not be warped, twisted, or bowed.

- 4. Turn the saw ON and wait for the blade to come up to speed.
- Slowly feed the workpiece into the blade by pushing forward only on the workpiece section (1) that will pass between the blade and the fence. (FIG. Z)

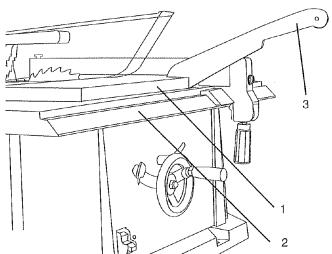
AWARNING

AVOID KICKBACK by pushing forward that section of the workpiece that will pass between the blade and the fence.



- 6. Keep your thumbs off the table top. When both of your thumbs touch the front edge of the table (2), finish the cut with a push stick.
- 7. The push stick (3) should always be used when the ripped workpiece is 2" or wider (1). (FIG. AA)
- Continue pushing the workpiece with the push stick
 (3) until it passes the blade guard and clears the rear of the table.
- 9. Never pull the workpiece back when the blade is turning. Turn the switch OFF. When the blade completely stops raise the anti-kickback pawls on each side of the splitter and slide the workpiece out.





BEVEL RIPPING

This cut is the same as ripping except the blade bevel angle is set to an angle other than 0°.

A WARNING

Cut only with the workpiece and the fence on the right side of the blade.

RIPPING SMALL PIECES

A WARNING

Avoid injury from blade contact. Never make through-saw cuts narrower than 1/2" wide.

- 1. It is unsafe to rip small pieces. Instead, rip a larger piece to obtain the size of the desired piece.
- When a small width is to be ripped and your hand cannot be safely put between the blade and the rip fence, use one or more push sticks to move the workpiece.

CROSSCUTTING (FIG. BB)

A WARNING

Do not allow familiarity gained from the frequent use of your table saw to cause careless mistakes. Remember that even a careless fraction of a second is enough to cause a severe injury.

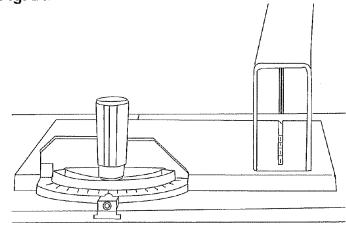
- 1. Remove the rip fence and place the miter gauge in the left side groove.
- 2. Adjust the blade height so it is 1/8" higher than the top of the workpiece.
- 3. Hold the workpiece firmly against the miter gauge with the blade path in line with the desired cut location. Move the workpiece to one inch distance from the blade.

A WARNING

Keep both hands away from the blade and the path of the blade.

- 4. Start the saw and wait for the blade to come up to full speed.
- 5. Keep the workpiece against the face of the miter gauge and flat against the face of the gauge and flat against the table. Then slowly push the workpiece through the blade (**FIG. BB**).
- 6. Do not try to pull the workpiece back with the blade turning. Turn the switch OFF, and carefully slide the workpiece out when the blade is completely stopped.

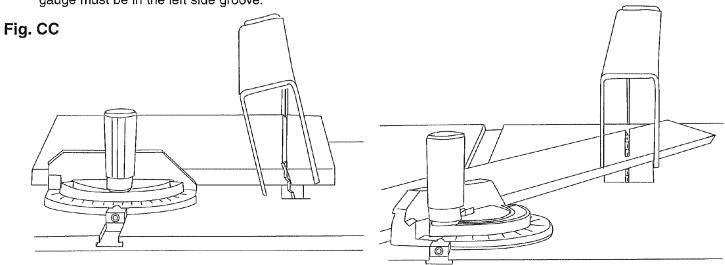
Fig. BB



BEVEL CROSSCUTTING (FIG. CC)

This cutting operation is the same as crosscutting except the blade is at bevel angle other than 0°.

- 1. Adjust the blade to the desired angle, and tighten the blade bevel lock knob.
- 2. Always work to the left side of the blade. The miter gauge must be in the left side groove.



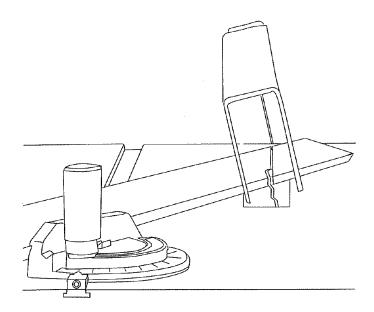
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COMPOUND MITER CROSSCUTTING (FIG. DD)

This sawing operation is combining a miter angle with a bevel angle.

- 1. Set the miter gauge to the desired angle. Use only the left side groove.
- 2. Set the blade bevel to the desired angle.
- 3. Carefully push the miter gauge to begin the cutting operation.

Fig. DD



MITERING (FIG. EE)

This sawing operation is the same as crosscutting except the miter gauge is locked at an angle other than 90°.

- 1. Hold the workpiece firmly against the miter gauge.
- 2. Feed the workpiece slowly into the blade to prevent the workpiece from moving.

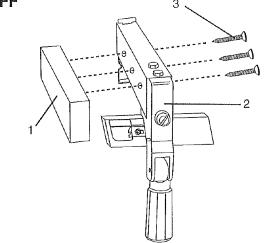
Fig. EE

USING WOOD FACING ON THE RIP FENCE (FIG. FF)

When performing some special cutting operations, add a wood facing (1) to either side of the rip fence (2):

- 1. Use a smooth straight 3/4" thick wood board (1) that is as long as the rip fence.
- 2. Attach the wood facing to the fence with wood screws (3) through the holes in the fence. A wood fence should be used when ripping material such as thin paneling to prevent the material from catching between the bottom of the fence and the table.

Fig. FF

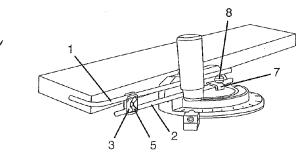


REPETITIVE CUTTING (FIG. GG)

To crosscut a quantity of workpieces the same length without having to mark each one, attach the stop rods to your miter gauge. Use the stop rods only for cutting duplicate workpieces 6" or longer.

- 1. Square one workpiece end on all of the workpieces (1) to be cut.
- 2. Attach the stop rod assembly (2) to the miter gauge. The miter gauge must be in the left-of-the-blade slot.
- 3. Measure and set the desired distance from the end of the stop rod to one blade tooth set to the left.
- 4. Place the squared workpiece end against the stop rod.
- 5. Hold the workpiece (1) firmly against the miter gauge body with your left hand and grip the lock knob (3) with your right hand.
- Carefully slide the workpiece into the blade and make 6. the cut.

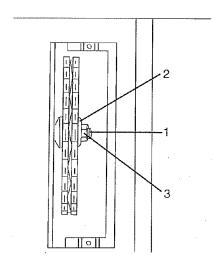
Fig. GG



DADO CUTS (FIG. HH)

- 1. The dado table insert is included with this saw. Remove saw blade, blade guard, installed dado. and dado table insert.
- 2. Instructions for operating the dado are packed with the separately purchased dado set.
- 3. The arbor (1) on this saw restricts the maximum width of the cut to 1/2".
- 4. It is not necessary to install the outside flange (2) before screwing on the arbor nut (3). Make sure that the arbor nut (3) is tight, and that at least one thread of the arbor sticks out past the nut.
- 5. Use only the 6" dado set and keep the width 1/2" or less. It will be necessary to remove the blade guard and splitter when using dado. Use caution when dado is operating.
- 6. Use only the correct number of round outside blades and inside chippers as shown in the dado set's instruction manual. Blade or chipper must not exceed 1/2".
- 7. Check saw to ensure that the dado will not strike the housing, insert, or motor when in operation,

Fig. HH



AWARNING

For your own safety, always replace the blade, blade guard assembly, and blade insert when you are finished with the dado operation.

MAINTAINING YOUR TABLE SAW

GENERAL MAINTENANCE

A WARNING

For your own safety, turn the switch OFF and remove the switch key. Remove the plug from the power source outlet before maintaining or lubricating your saw.

- 1. Clean out all sawdust that has accumulated inside the saw cabinet and the motor.
- 2. Polish the saw table with an automotive wax to keep it clean and to make it easier to slide the workpiece.
- 3. Clean cutting blades with pitch and gum remover.
- 4. A worn, cut, or damaged power cord should be replaced immediately.

AWARINING

All electrical or mechanical repairs should be attempted only by a trained repair technician. Contact the nearest Sears Service Center for service. Use only identical replacement parts. Any other parts may create a hazard.

- 5. Use liquid dish washing detergent and water to clean all plastic parts.
- **NOTE:** Certain cleaning chemicals can damage plastic parts.
- 6. Avoid use of the following cleaning chemicals or solvents: gasoline, carbon tetrachloride, chlorinated solvents, ammonia and household detergents containing ammonia.
- 7. Inspect cutting blade for missing teeth or other damage. If any damage is evident replace blade before using.

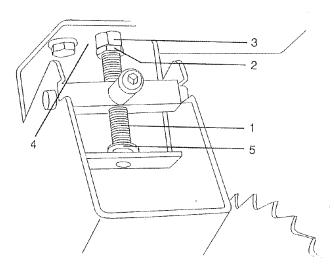
BLADE RAISING AND TILTING MECHANISM

After each five hours of operation, the blade raising mechanism and tilting mechanism should be checked for looseness, binding, or other abnormalities. With the saw disconnected from the power source, turn the saw upside down and alternately pull upward and downward on the motor unit. Observe any movement of the motor mounting mechanism. Looseness or play in the blade raising screw (1) (FIG. II) should be adjusted as follows:

- 1. Loosen nut (2).
- 2. Adjust nut (3) until it is finger-tight against the bracket (4), then back off the nut (3) 1/6 turn.
- 3. Tighten nut (2) while holding nut (3). Maximum allowable play of screw rod (1) is 4 mm.

MAINTENANCE

Fig. II



Place a small amount of dry lubricant such as graphite or silicon on screw rod (1) at thrust washer (5). Do not oil threads of screw rods (1). Screw rod (1) must be kept clean and free of saw dust, gum, pitch, and other contaminants for smooth operation.

If excessive looseness is observed in any other part of the blade raising mechanism or tilting mechanism, take the complete unit to a Sears Authorized Service Center.

LUBRICATION

All motor bearings are permanently lubricated at the factory and require no additional lubrication. On all mechanical parts of your table saw where a pivot or threaded rod are present, lubricate using graphite or silicone. These dry lubricants will not hold sawdust as would oil or grease.

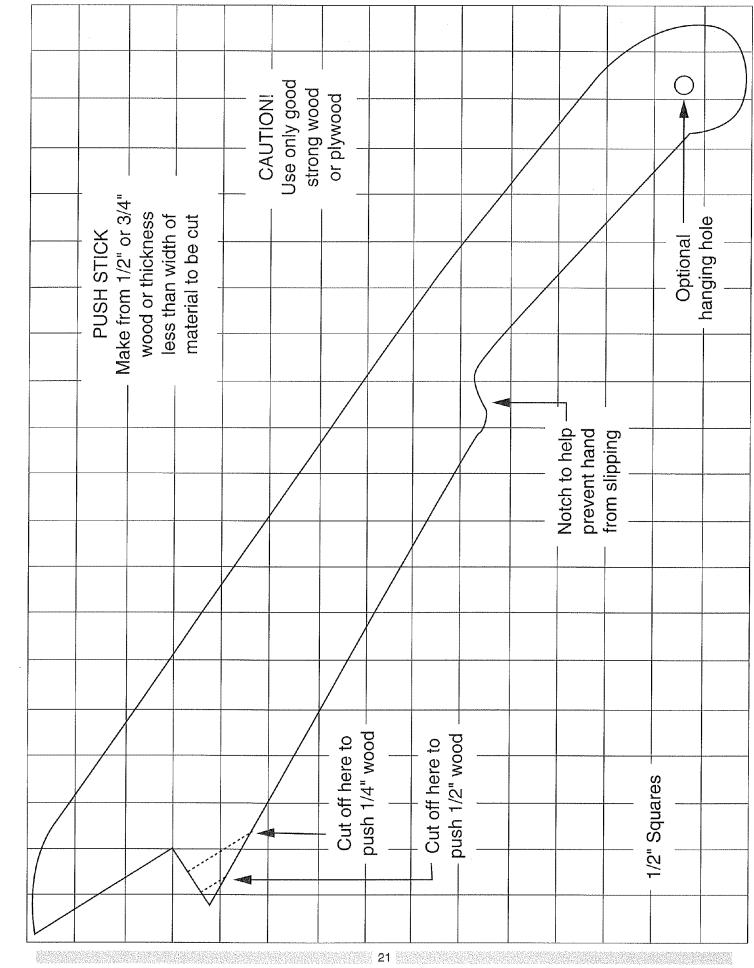
TROUBLESHOOTING GUIDE

A WARNING

To avoid injury from an accidental start, turn the switch "OFF" and always remove the plug from the power source before making any adjustments.

• Consult your local Sears Service Center if for any reason the motor will not run.

SYMPTOM	POSSIBLE CAUSES	CORRECTIVE ACTION
Saw will not start	 Saw not plugged in Fuse blown or circuit breaker tripped Cord damaged 	 Plug in saw Replace fuse or reset circuit breaker Have cord replaced by a Sears Authorized Service Center
Does not make accurate 45° and 90° rip cuts	 Positive stop not adjusted correctly Tilt angle pointer not set accurately 	 Check blade with square and adjust positive stop Check blade with square and adjust pointer to zero
Material pinches blade when ripping	 Rip fence not aligned with blade Warped wood, edge against fence is not straight 	 Check and adjust rip fence Select another piece of wood
Material binds on splitter	 Splitter not aligned correctly with blade 	1. Check and align splitter with blade
Saw makes unsatisfactory cuts	 Dull blade Blade mounted backwards Gum or pitch on blade Incorrect blade for work being done Gum or pitch on table causing erratic feed 	 Replace blade Turn blade around Remove blade and clean with turpentine and coarse steel wool Change the blade Clean table with turpentine and steel wool
Material kicked back from blade	 Rip fence out of alignment Splitter not aligned with blade Feeding stock without rip fence Splitter not in place Dull blade The operator letting go of material before it is past saw blade Miter angle lock knob is not tight 	 Align rip fence with miter gauge slot Align splitter with blade Install and use rip fence Install and use splitter (with guard) Replace blade Push material all the way past saw blade before releasing work Tighten knob
Blade does not raise or tilt freely	1. Sawdust and dirt in raising and tilting mechanisms	1. Brush or blow out loose dust and dirt
Blade does not come up to speed	 Extension cord too light or too long Low house voltage 	 Replace with adequate size cord Contact your electric company
Machine vibrates excessively	 Saw not mounted securely to workbench Bench on uneven floor Damaged saw blade 	 Tighten all mounting hardware Reposition on flat level surface. Fasten to floor if necessary. Replace blade
Does not make accurate 45° and 90° cross cuts	1. Miter gauge out of adjustment	1. Adjust miter gauge



PARTS

10" TABLE SAW PARTS LIST

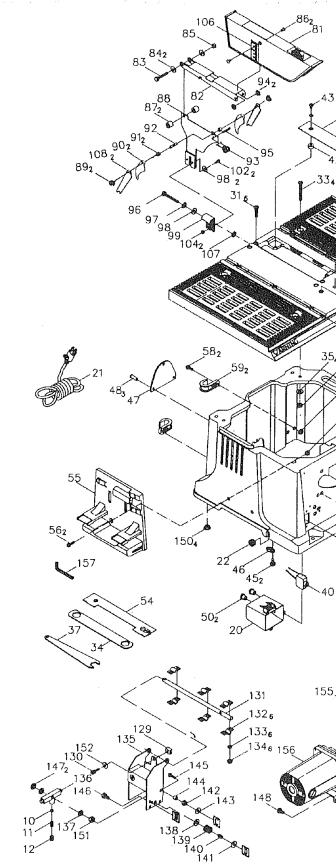
A WARNING

When servicing use only CRAFTSMAN replacement parts. Use of any other parts may create a HAZARD or cause product damage. Any attempt to repair or replace electrical parts on this Table Saw may create a HAZARD unless repair is done by a qualified service technician. Repair service is available at your nearest Sears Service Center.

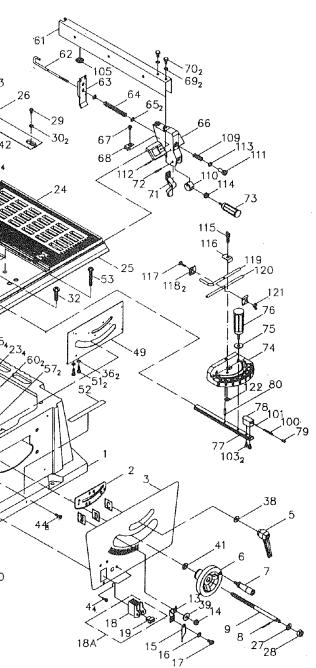
ey No.	Part No.	Description	Size	Qty.	Key No.	Part No.	Description	Size	Qty
1 2 3 4 5 6 6 7 8 9 9 10	14900126 14900203 14900379 2653MZDE11 19600101 14900602 19814801 2536MBE604 14901102 14901203	Body shell Segment gear Label Truss hd. tapping screw Tension handle assembly Wheel Handle bar Spring pin Height regulating bolt Saddle	M4x16-12		80 81 82 83 84 85 86 87 88 89	14608001 14912205 14912301 2601BZDA45 2501MZDN06 2705FZD106 2690MZD514 14912801 14912905 2570DBN606	Pin Blade guard Arm Hex hd. bolt Flat washer Lock nut Rivet Bush Splitter Self-locking ring	M6x1.0-40 6x13-1	1 1 1 2 1 2 2 1 2
11 12 13 14 15 16 17 18 18 18 19	14901302 2603BBLA66 14901501 2701FZD113 14901703 2504MZB006 2668BZDA23 2851D55G06 2898DB7G06 2898DB7G06 289605BH071	Spring Hex soc. set screw Pointer bracket Hex nut Needle pointer Internal tooth lock washer Pan hd. screw Rocker switch element Rocker switch Switch key	M10x1.5-12 M8x1.25 T=6.5		90 91 92 93 94 95 96 97 98 99	14206601 14913201 14206901 14205301 25300BE613 25360BE613 2601BZDA47 2504MZC006 2501MZCD016 14205001	Kick back pawl Bush Roll pin Spring Self-locking ring Spring pin Hex hd. bolt External tooth lock washer Flat washer Guard bracket	M6x1-50 1/4x3/4-3/64	2 2 1 1 2 1 1 3 1
0 1 2 3 4 5 6 7 8 9	14902302 2807BY06CA 2801ABRF01 2709FZDA02 14902807 14902906 14902906 2501MBDN08 2501MBDN08 2701FBD113 2621BZDA18	Switch box Power cable Strain relief Hex nut and flat washer Table Scale Insert	Ø 8x16-2.5		100 101 102 103 104 105 106 107 108 109	14523301 29835L5006 2601BZDA41 2608BLA32 2701FBD106 14914701 14914802 14914901 14208001 18623801	Compression spring Steel ball Hex hd. bolt Hex soc. truss hd. screw Hex nut Cup Bracket tilt Washer Kick back pawl Compression spring	M6x1.0-20 M5x0.8-10 M6x1.0	1 2 2 2 1 1 2 1
0 1 2 3 4 5 6 7 8 9	2504MZC005 2604BBLA42 2668BEDA43 2636BZDBA9 18625501 2501NZDN16 2504MZC004 18625601 2501NBDN16 2501MZDN08	External tooth lock washer Hex soc. countersunkhd. screw Pan hd. screw Count hd. screw Hex wrench Flat washer External tooth lock washer Wrench Flat washer Flat washer	M6x1.0-25 M6x1.0-30 0-50 1/4x3/4-3/64	2 6 1 4 1 4 2 1	110 111 112 113 114 115 116 117 118 119	18622201 18622701 2536MBE608 2501MBDN28 2801FZD113 14916101 14916201 2672BZDA27 14916401 14916501	Eccentric Cap screw Spring pin Washer Flat washer Bolt Follower plate Cap hd. sg. neck bolt Blade holder Stop rod	M8x1.25 M5x0.8-20	11111111121
0 1 2 3 4 5 6 7 8	2853D55502 2501NNHN34 2801ABRG01 2668BZDA24 2650MBCE14 83990121 14905603 2690MZD515 44905801	Circuit breaker switch Flat washer Strain relief	3/8x3/4-5/64 M5x0.8-12 M4x16-10 M1x16-16	1 1 1 1 8 2 1 1 3	120 121 122 123 124 125 126 127 128 129	14916601 2702FZB105 2704FZD106 14920002 2536MBE621 2672BBDA50 14920301 2709FZDA02 2615BBDC25 14921001	Support rod Wing nut Square nut Motor bracket Spring pin Cap hd. sq. neck bolt Spacer Hex nut and flat washer Hex hd. screw and washer Plunger housing	M5x0.8 M6x1.0-80 M6x1.0 M8x1.25-16	1 1 1 1 1 3 1
0 1 2 3 4 5 6 7 8 9	2801DBHA04 2668BZDA09 14906101 2668BEDA45 14903104 14908401 2668BBDA40 2708FBD107 2641BBDA40 16314301	Strain relief Pan hd. screw Warning label Pan hd. screw Insert Bracket tray Pan hd. screw Serrated tooth hex. flange nut Round washer hd. screw Power cord clamp	M4x0.7-12 M6x1.0-40	2 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2	130 131 132 133 134 135 136 136 137 138 139	2617BBLC11 14921306 14921403 2502NBC406 2708FBD107 14921702 14921802 2701FZD111 2501NZDN32 14922102	Hex soc. hd. cap screw Angle rod Strap Spring washer Serrated tooth hex. flange nut Bracket Bracket Hex nut Flat washer Compression spring	M5x0.8-20	1 6 6 1 1 1 1
6 7 8	2708FBD107 149100C6 14910102 14910207 18611101 2501MZDN06 14910502 2668BZDA06 14910701 2504MZC006	Serrated tooth hex. flange nut Parallel bracket Locking rod Rear clamp Compression spring Flat washer Width body Pan hd. screw Pointer External tooth lock washer	6x13-1 M4x0.7-6	2 1 1 1 2 1 1 1 2 1 1 1 2	140 141 142 143 144 145 146 146 147 148 149	14922202 2501NZDN47 2701FZD106 2501NBDN09 14922901 2672BZDA44 2615BZDD25 2501NNHN34 2620BBDC18 2620BBDC18 2701FBD105	Compression spring Flat washer Hex nut Flat washer Spacer Cap hd. sq. neck bolt Hex hd. screw and washer Flat washer Pan hd. screw and washer Hex nut	5/8x1-1/4-5/64 M6x1.0 1/4x3/4-7/64 M6x1.0-35 M8x1.25-16 3/8x3/4-5/64 M5x0.8-12 M5x0.8	111111211
0 1 2 3 4 5 6 7	2601BZDA40 18622301 2536MBE616 14002601 14911402 2501NZDN16 14911602 14911707 14911802	Hex hd. bolt Link Spring pin Clamp handle Mitre gauge Flat washer Clamp handle Sheet bar Angle pointer	M6x1.0-16 1/4x3/4-3/64	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	150 151 152 153 154 155 156 157	18402702 2701FZD110 2501NBDN03 14930002 14930103 14930203 8387029942 2138MBL704 137271060001	Rubber foot Hex nut Flat washer Set nut Arbor collar Blade Motor Wrench Instruction manual	M10x1.5 3/16x3/8	4 1 1 1 1 1

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MODEL NO. 137.271060



10" TABLE SAW PARTS LIST



MODEL NO. 137.218740

