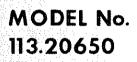
# owners manual

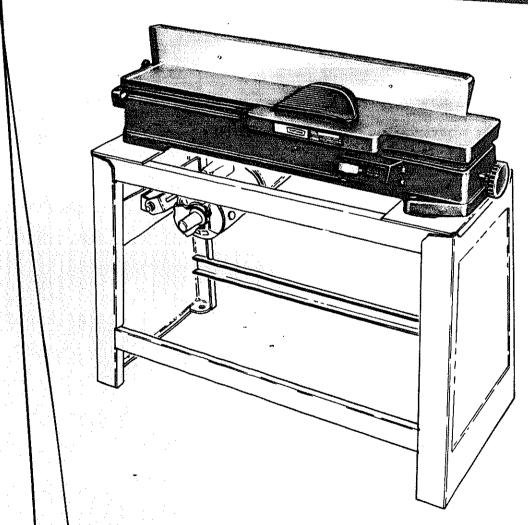
# CRAFTSMAN 6½=INCH JOINTER-PLANER



**Sears** 

**CAUTION:** Read Safety Rules and Instructions Carefully

- Assembly
- Operating
- Repair Parts



## SEARS, ROEBUCK AND CO. U.S.A. SIMPSONS-SEARS LIMITED, CANADA

Port No. 47007

*****	1. KNOW YOUR POWER TOOL Read the owner's manual carefully. Learn its applica- tion and limitations as well as the specific potential hazards peculiar to this tool.	parts. Rub footing. <b>12. USE SAF</b> Also use f
	2. GROUND ALL TOOLS If tool is equipped with three-prong plug, it should be plugged into a three-hole grounded receptacle. If adapter is used to accommodate two-prong recep- tacle, the adapter wire must be attached to a known ground. Never remove third prong.	13. SECURE Use clam It's safer operate t 14. DON'T C Keep pro
	3. KEEP GUARDS IN PLACE and in working order.	15. MAINTA Keep too
	<ol> <li>REMOVE ADJUSTING KEYS AND WRENCHES Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.</li> </ol>	formance. ing access 16. DISCON
	5. KEEP WORK AREA CLEAN Cluttered areas and benches invite accidents.	before se blades, b
	<ol> <li>AVOID DANGEROUS ENVIRONMENT Don't use power tools in damp or wet locations. Keep work area well lit.</li> </ol>	17. AVOID Make sure 18. USE REC
	<ol> <li>KEEP CHILDREN AWAY All visitors should be kept a safe distance from work area.</li> </ol>	Consult th sories. Th hazards.
	8. MAKE WORKSHOP KID-PROOF — with padlocks, master switches, or by removing starter keys.	19. NEVER S Serious in cutting to
	DON'T FORCE TOOL It will do the job better and safer at the rate for which it was designed.	20. CHECK I Before fu that is da that it wi
1	O. USE RIGHT TOOL Don't force tool or attachment to do a job it was not designed for.	function of moving other con
١	1. WEAR PROPER APPAREL No loose clothing or jewelry to get caught in moving	or other repaired

ober-soled footwear is recommended for best

#### ETY GLASSES

ace or dust mask if cutting operation is dusty. WORK

ps or a vise to hold work when practical. than using your hand, frees both hands to tool.

#### OVERREACH

per footing and balance at all times.

#### IN TOOLS WITH CARE

Is sharp and clean for best and safest per-Follow instructions for lubricating and changsories.

#### NECT TOOLS

ervicing; when changing accessories such as its, cutters, etc.

#### ACCIDENTAL STARTING

e switch is in "OFF" position before plugging in.

#### OMMENDED ACCESSORIES

he owner's manual for recommended acese use of improper accessories may cause

#### STAND ON TOOL

ijury could occur if the tool is tipped or if the ol is accidentally contacted.

#### DAMAGED PARTS

urther use of the tool, a guard or other part imaged should be carefully checked to assure Il operate properly and perform its intended check for alignment of moving parts, binding parts, breakage of parts, mounting and any ditions that may affect its operation. A guard part that is damaged should be properly or replaced.



The operation of any power tool can result in foreign objects being thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields before commencing power tool operation. We recommend Wide Vision Safety Mask for use over spectacles, or standard safety glasses . . . available at Sears retail or catalog stores.



#### THIS SAFETY SEAL OF THE POWER TOOL INSTITUTE ASSURES YOU ...

- 1. That the manufacturer's power tools, including the particular tool associated with the Seal, are produced in accordance with applicable Standards For Safety of Underwriters' Laboratories and American National Standards (ANSI).
- 2: That compliance with applicable safety standards is assured by independent inspection and testing conducted by Underwriters' Laboratories (UL).
- 3. That every motorized tool is inspected under power.
- 4. That every tool has with it adequate instructions and a list of safety rules for the protection of the user.
- 5. That the tool manufacturer is a member of the Power Tool Institute and is a sponsor of the Institute's Consumer Safety Education Program.

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## unpacking and preassembly

UNPACKING AND PREASSEMBLY ....

Mounting Jointer-Planer on Craftsman base.... 4 Installation of Cutter Guard..... 4 Fence Stops (90°, 45°).....13 BASIC JOINTER-PLANER OPERATIONS......14 How to Make Hold Downs.....14

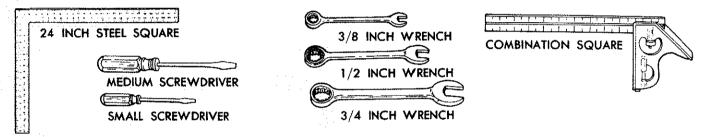
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Surface Planing
Edge Planing (Jointing)
Rabbet Planing (Rabbeting)
Bevel Planing (Beveling)18
ADJUSTMENT AND MAINTENANCE
Depth of Cut Scale
Width of Rabbet Scale
Infeed Table
Replacing Cutter Blades
Fence and Till Scale
Cutter Guard
Sharpening Blades
TROUBLE SHOOTING
REPAIR PARTS





#### UNPACKING AND PREASSEMBLY INSTRUCTIONS

Your Jointer-Planer is shipped complete in one carton (without motor or floor base).

Separate all parts from packing materials and check each item with illustration and "Table of Loose Parts." Make certain all items are accounted for, before discarding any packing material.

Remove the wood blocks attached to the jointer-planer. Save the nuts, bolts and washers, you will need them later.

Remove the protective coating that is applied to all unpainted metal surfaces at the factory. We suggest using Kerosene. Be careful when cleaning the cutter head.

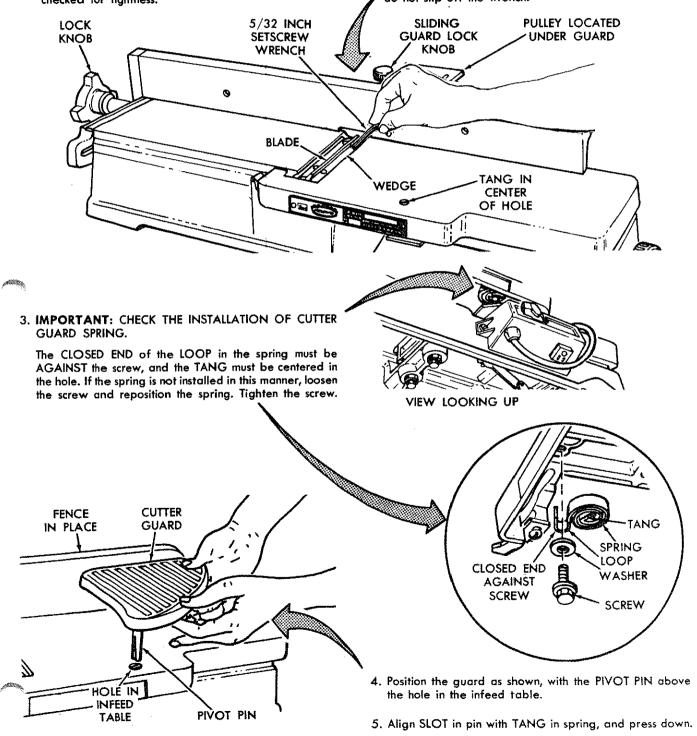
#### CAUTION: Never use gasoline, naphtha or similar highly volatile solvents.

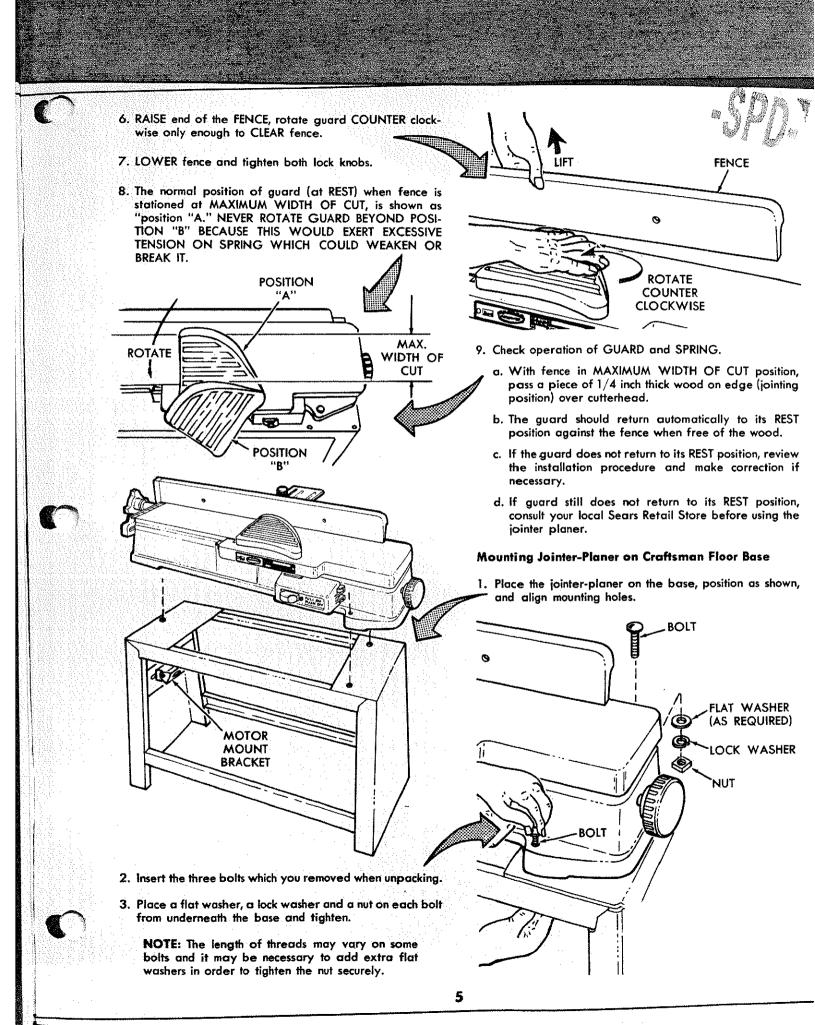
NOTE: Apply a coat of paste wax to table and fence. This will help prevent rust and make it a little easier to feed the work while planing.

Key No	. Table of Loose Parts	Qty.
1	Jointer-Planer	
2	V-Belt, 1/2 x 37"	. 1
3	5/32 Setscrew Wrench (attached to V-Belt).	. 1
4	1/8 Setscrew Wrench (attached to V-Belt)	. 1
5	Motor Pulley, 21/2 In., Dia	. 1
6	Cutter Guard	
7	Owner's Manual	. 1
8	Jointer-Planer Handbook	. 1
9	Jointer-Planer Belt Guard	. 1
10	Attaching Hardware (2 Nuts, 2 Bolts)	
11	Motor Pulley Belt Guard	. 1
12	Belt Guard Clips	
13	Belt Guard Support Bracket	
14	Belt Guard Support	
15	Attaching Hardware for Support Bracket (2 self tapping screws)	
16	Switch Key	. 2

#### installing the Cutter Guard

- Loosen FENCE LOCK KNOB and SLIDING GUARD LOCK KNOB, tilt fence upward and slide it toward the pulley as far as it will go.
  - **IMPORTANT:** The six screws that lock the cutter blades were tightened at the factory. Due to handling and shipping, these screws should be rechecked for tightness.
- Use the 5/32 inch setscrew wrench and retighten each screw in the wedge, if necessary. Hold the pulley while tightening the screws and be careful that your fingers / do not slip off the wrench.

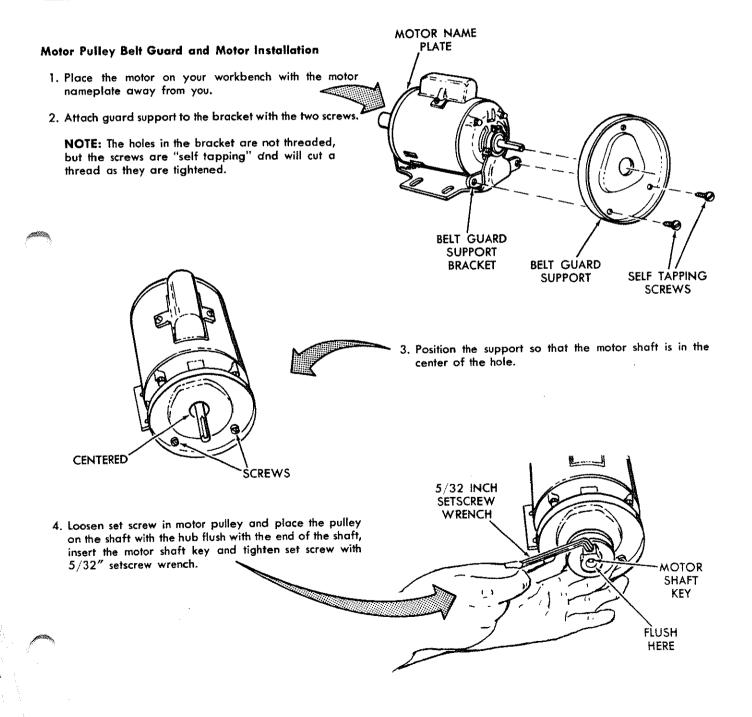


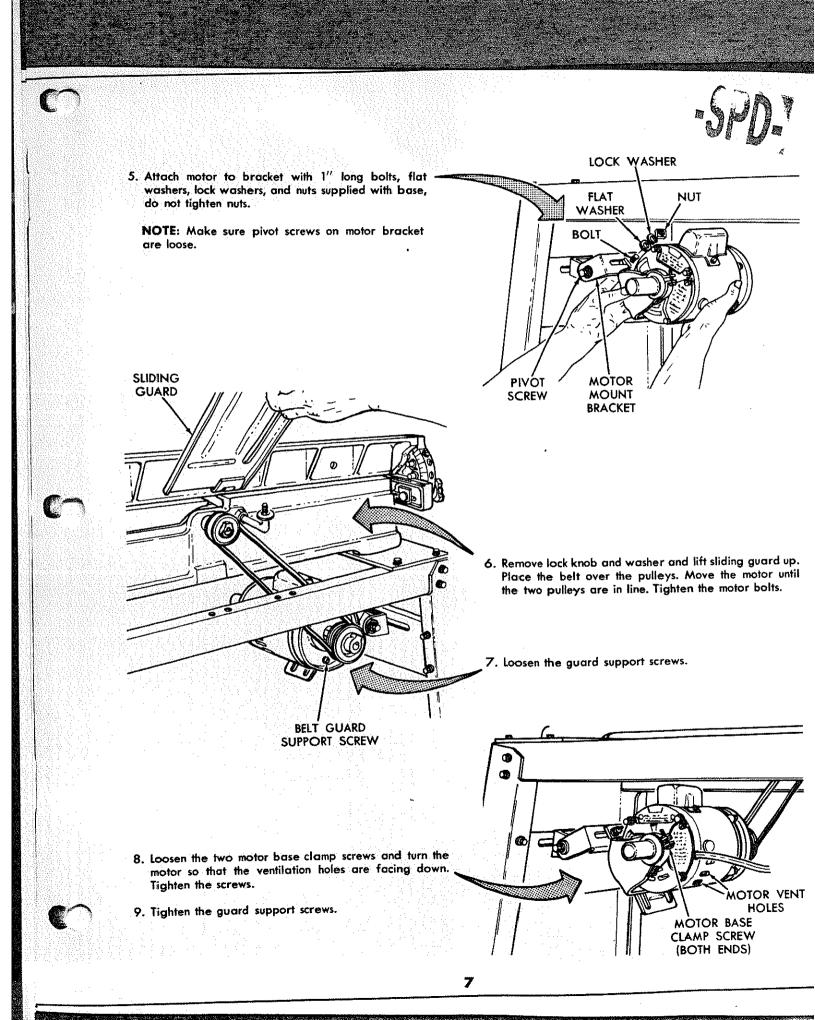


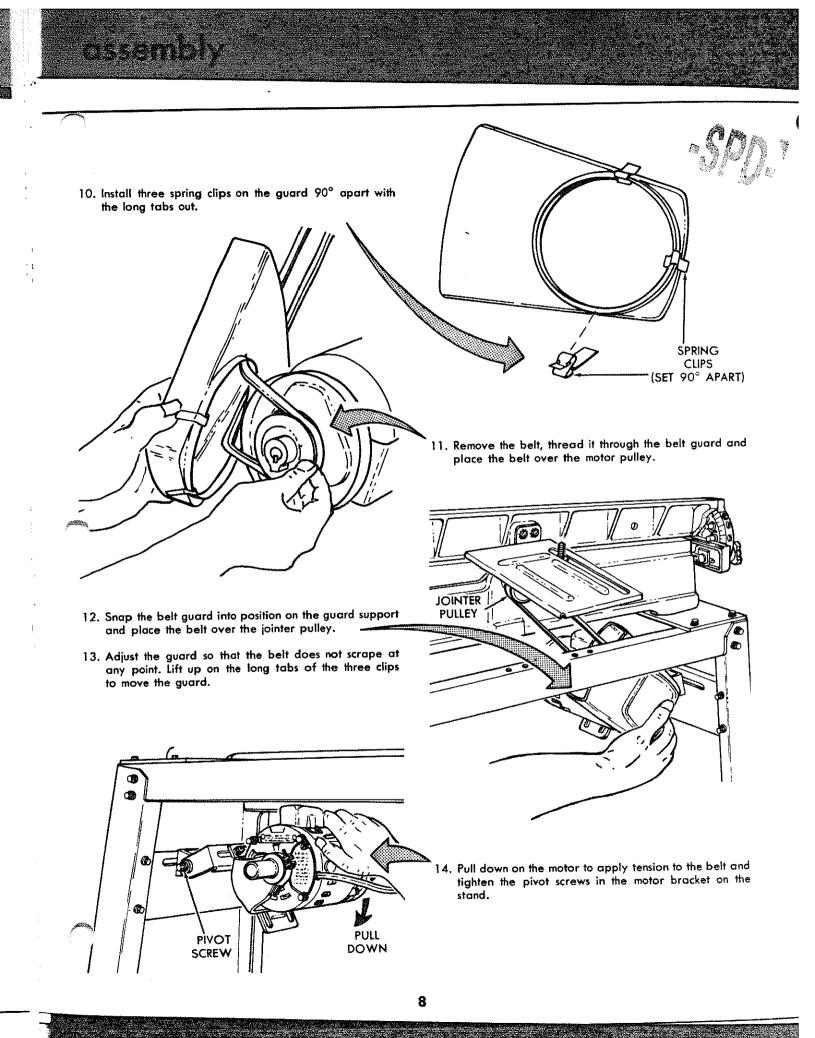
#### **Motor Specifications and Mounting**

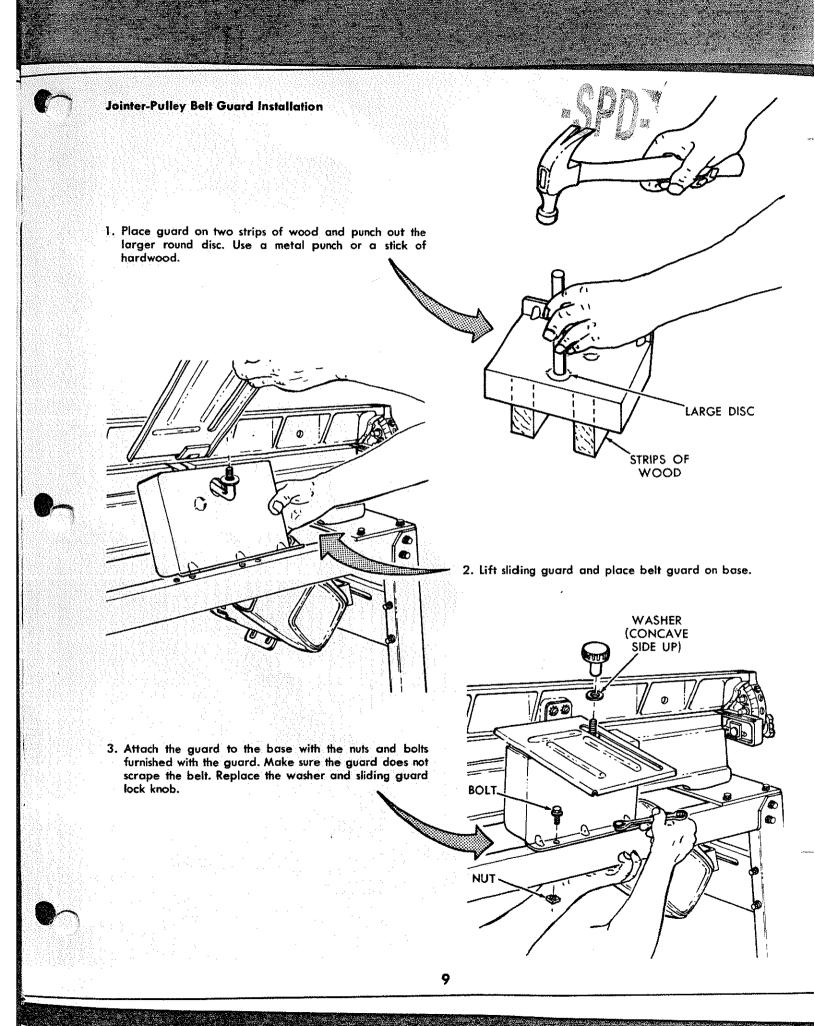
Your jointer-planer requires a 3450 RPM motor which operates on 110-120 volts.

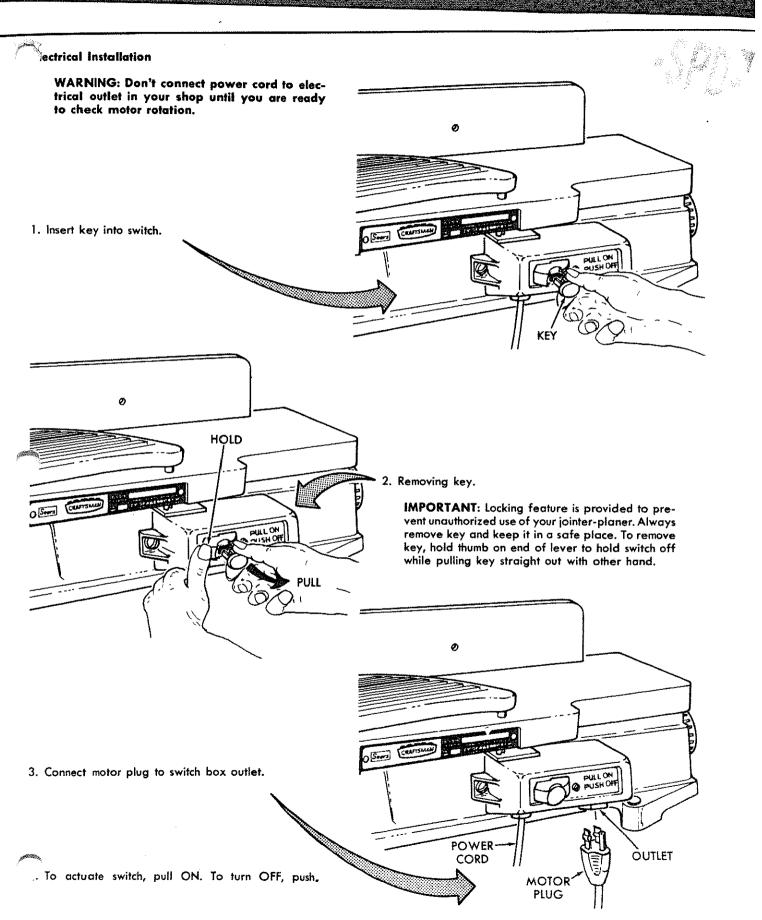
HP	RPM	VOLTS	CATALOG No
1/2	3450	110-120	9-1216C
1/2 -	3450	110-120	9-1218C
3/4	3450	110-120	9-1219C
3/4	3450	110-120	9-1226C











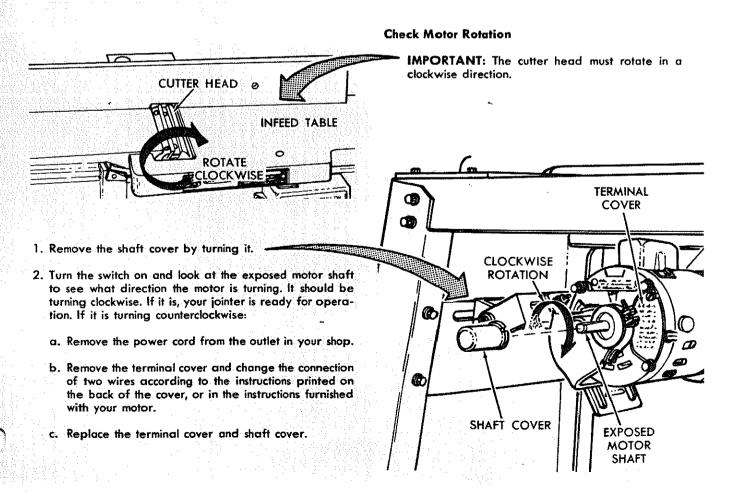
**Connecting Jointer-Planer to Power Source.** Plug power cord into a 110-120V grounded type outlet protected by a 15-amp, time delay or Circuit-Saver fuse or circuit breaker.

WARNING: Do not permit fingers to touch the terminals of plugs when installing or removing the plug to or from the outlet.

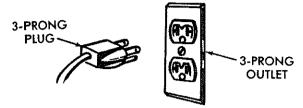
WARNING: IF NOT PROPERLY GROUNDED this power tool can incur the potential hazard of electrical shock, particularly when used in damp locations, in proximity to plumbing, or out of doors. If an electrical shock occurs there is the potential of a secondary hazard such as your hands contacting the cutter head.

To comply with regulations of Underwriters' Laboratories in the United States and the Canadian Standards Association in Canada, this power tool is equipped with an approved 3-conductor cord and grounding type plug which has a grounding prong. The ground conductor has a green jacket and is attached to the tool housing at one end and to the ground prong in the attachment plug at the other end.

This plug requires a mating 3-conductor grounded type outlet as shown.

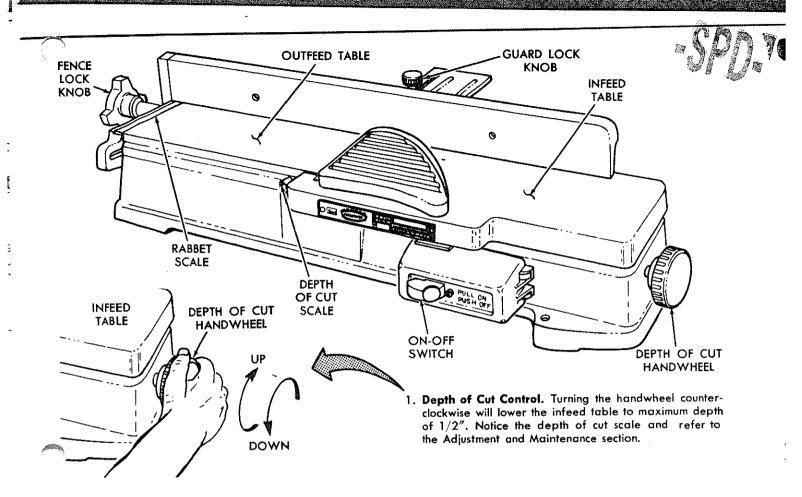


If the outlet you are planning to use for this power tool is of the two pronged type DO NOT REMOVE OR ALTER THE GROUNDING PRONG IN ANY MANNER, but have a qualified electrician replace the two prong outlet with a grounded three prong outlet.



The use of any extension cord will cause some loss of power. To keep this to a minimum and to prevent overheating and motor burn-out, use the table below to determine the minimum wire size (A.W.G.) extension cord. All cords should be 3-wire, grounded.

Extension Cord Length	Wire Size A.W.G.	
50 ft. or less	12	
100 ft. or less	10	
100-150 ft.	8	
150-200 ft.	6	
200-400 ft.	4	

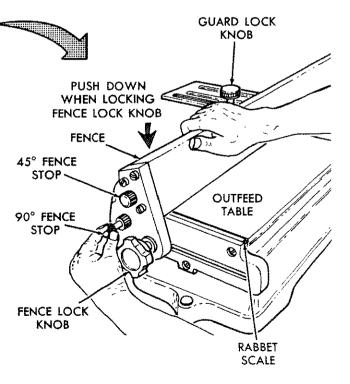


- 2. Fence Locks and Stops. To move the fence across the table, loosen the fence lock knob and the guard lock knob. Move the fence to the desired position and tighten both knobs.
  - a. Always tighten the fence lock knob first to align the fence, then tighten the guard lock knob.
  - b. Before tightening the fence lock knob, hold the fence down on the outfeed table so that it does not rock.
  - c. **90° Fence Stop** positions the fence square to the tables. To tilt the fence, loosen the two knobs and pull the stop out. Tilt to the desired angle and tighten both knobs.

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- d. To set the fence at 90° to the tables, loosen the two knobs, tilt the fence so that the stop springs back into place. Tilt the fence back so that the stop rests on the table and tighten both knobs.
- e. 45° Fence Stop positions the fence at  $45^\circ$  to the tables.
- f. To tilt the fence to  $45^{\circ}$  loosen the two knobs, pull the 90° stop out, tilt the fence so that the  $45^{\circ}$  stop rests on the table.
- g. Hold the fence down on the outfeed table and tighten the two knobs.

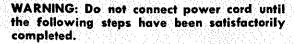


h. Notice the rabbet scale and refer to the Adjustment and Maintenance section.

## instructions to operator



#### SAFETY INSTRUCTIONS TO OPERATOR



- A. Read carefully and understand the following instructions and the "General Safety Rules for Power Tools" on Page 2.
- B. Examination and operating familiarity with ON-OFF switch, switch key, depth of cut control fence, fence locks and cutter guard.
- C. You have constructed the hold-down/push blocks per instructions on Page 14.

CAUTION: Always disconnect the power cord when making adjustments and always stop the jointer before repositioning the fence or the infeed table.

- The Jointer-Planer should be bolted down if there is any tendency to tip over or move during normal operations.
- The Jointer-Planer work area should have adequate overhead, non-glare light and adequate surrounding work space.
- The Jointer-Planer should be positioned so neither the operator nor a casual observer is forced to stand in line with the wood while it is being planed.
- 4. A potential source of Jointer-Planer accidents is the failure to use recommended hold down devices while planing wood. (See section in this manual, "Basic Jointer-Planer Operations.")
- 5. Jointer-Planer accidents can be caused by:
  - (a) making an excessively deep cut at one time. A deep cut requires more effort to feed the wood while planing and can cause the wood to kickback toward you. (kickback)
  - (b) planing pieces of wood smaller than recommended. (See section in this manual, "Basic Jointer-Planer Operations.") Smaller pieces of wood can tip over on the tables, or into the cutter head and can be kicked back toward you.
  - (c) dull or nicked blades. Blades that are dull or nicked require more effort while planing and will tend to pound the wood rather than cut it, which can cause the wood to kickback.
  - (d) a nicked blade will cut a ridge in your wood and cause the wood to ride up on the outfeed table. Keep blades sharp.
- 6. Gloves should not be worn while operating the Jointer-Planer. Loose flowing garments, jewelry (rings, wrist watches, etc.) and neckties should never be worn. Long sleeves should be rolled to above the elbows.
- Goggles or an eye shield should always be used. Ear protectors (ear plugs or muffs) should be used during extended periods of operation.

- 8. Hold the work firmly against tables and fence. Use recommended hold downs.
- Never climb on the Jointer-Planer. Never leave the Jointer-Planer work area with the power on, before the cutter head has come to a complete stop, or without removing and storing the switch key.
- 10. Avoid awkward hand positions, where a sudden slip could cause a hand to move into the cutter head. Always feed the wood completely through the cutter head and past the cutter guard so that the guard returns to the rest position against the fence. When using only one hold down to feed the wood, do not place your other hand on the Jointer-Planer.
- 11. Make sure the cutter head rotates toward the infeed table. Also make sure the cutter blades are installed properly. Keep the infeed table set at 1/32" for safest operation. Keep cutter guard in place except when rabbeting. Regularly check the tension of the cutter guard spring to assure satisfactory operation. (See section in this manual, "Adjustments and Maintenance.")
- 12. When surface planing, edge, bevel or rabbet planing pieces of wood over four (4) feet long, make sure the wood is supported at table height after it leaves the outfeed table. Warped wood should be surface planed on the concave side for best results.
- To avoid a rough planed surface, determine if possible, which way the grain emerges from the wood and feed the wood accordingly.



- 14. Do not plane edges of plywood, composition materials, or wood that has glue on it or is painted or varnished. Planing these materials will dull the blades quickly.
- 15. To be sure you will make a depth of cut as planned, always lower the infeed table slightly beyond the depth wanted, then raise the table to the desired depth.

WARNING: The 2" Jointer-Planer pulley and the 2-1/2" motor pulley furnished, will run the cutter head at approximately 4300 RPM when used with a 3450 RPM motor. Never substitute these pulleys to increase this speed because it could be dangerous.

16. Safety is a combination of operator common sense and alertness at all times when the Jointer-Planer is being used.

WARNING: Do not allow familiarity (gained from frequent use of your Jointer-Planer) to become commonplace. Always remember that a careless fraction of a second is sufficient to inflict severe injury.

#### **Basic Jointer-Planer Operation**

basic iointer-planer operation

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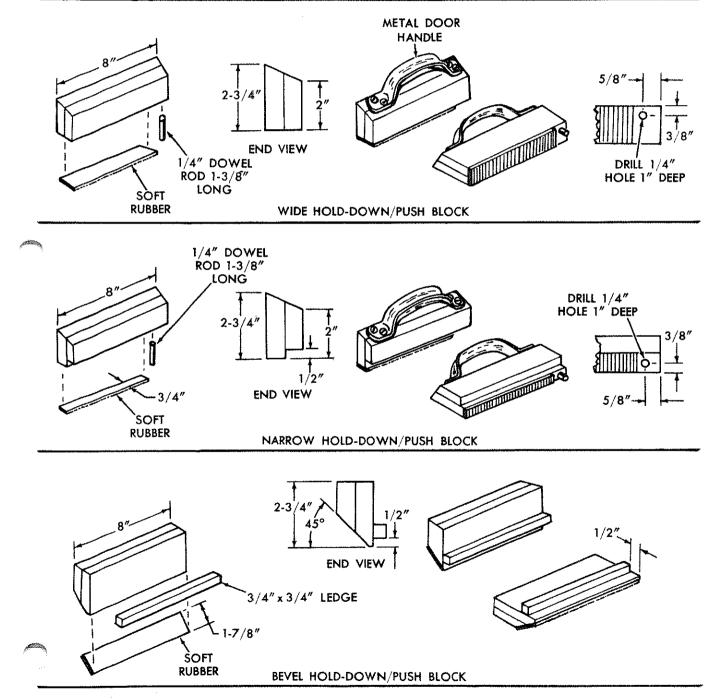
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There is almost no limit to the number of different sizes of wood that you can plane on your Craftsman Jointer-Planer. To get the best results and to reduce the hazard potential, make up and use a set of **"Hold-Down/Push Blocks."** 

Use two pieces 3/4'' plywood, and fasten them together with glue and screws. Fasten a piece of rubber to the bottom with contact cement, we suggest cutting strips from a rubber bath mat.



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#### **Basic Jointer-Planer Operation.**

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We suggest you **practice** these operations a few times before making any cuts. Raise the infeed table to "0" and do not turn on the motor.

**IMPORTANT:** To get a smooth even cut the full length of the wood, you must exert the same downward pressure on the wood while continually feeding it over the cutter head at a moderate rate of feed.

CAUTION: Do not feed the wood too fast because it could be hazardous.

#### Surface Planing

- 1. Never make cuts deeper than 1/32 of an inch.
- 2. Never surface plane a piece of wood:
  - a. Less than 12" long.
  - b. Less than 3/4'' wide or more than 6'' wide.
  - c. Less than 5/8" thick.

#### 3. Short Pieces

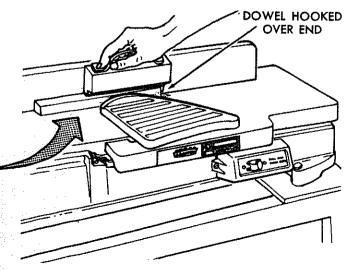
a. Use two wide hold-down/push blocks on wood 4'' to 6''' wide with dowel hooked over end of wood.

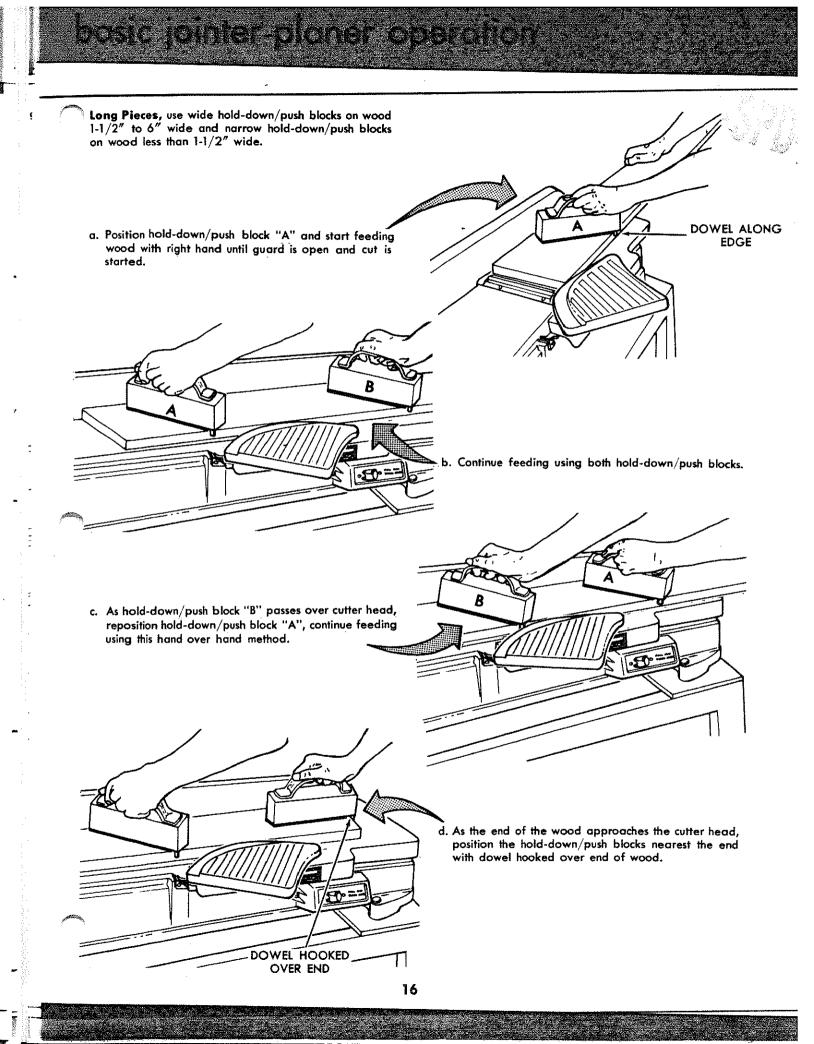
DOWEL MOOKED OVER END

c. Use one narrow hold-down/push block on wood less than 1-1/2" wide.

 b. Use one wide hold-down/push block on wood 1-1/2" to 4" wide.

DOWELS HOOKED OVER END

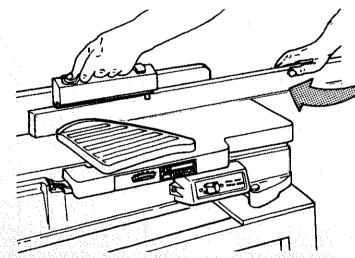






#### **Edge Planing (Jointing)**

- 1. Never make cuts deeper than 1/32 of an inch.
- 2. Never edge plane a piece of wood:
  - a. Less than 12" long.
  - b. Less than 3/4" wide.
  - c. Less than 1/4" thick.
- 3. Wood More Than 3" Wide
  - a. Hold wood against fence. Keep fingers near the top edge of wood.



- A cut out portion on the corner of a piece of wood is called a rabbet.
- 2. Never make heavy cuts. It is easier and less hazardous to take light cuts. Set the infeed table to 1/32".
- 3. Set fence to the desired width of the rabbet.
- 4. Never plane a rabbet on a piece of wood:
  - a. Less than 12" long.
  - b. The width and thickness of the wood that can be rabbeted, depends upon the width and length of the rabbet being cut.
- 5. Long Pieces, use both hold-down/push blocks.

NOTE: For long pieces, follow same procedure for "Surface Planing."

- 6. Short Pieces, use one hold-down/push block with dowel hooked over end or along edge depending upon the width of the wood.
- 7. Always re-install cutter guard after rabbeting.

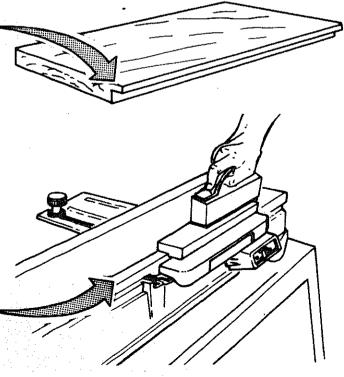
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#### 4. Wood 3" Wide and Less

- a. Use narrow hold-down/push block on wood up to 3/4" thick with dowel along edge. Start feeding with right hand while applying pressure with hold-down/push block.
  - **NOTE:** For long pieces, follow same procedure for "Surface Planing."

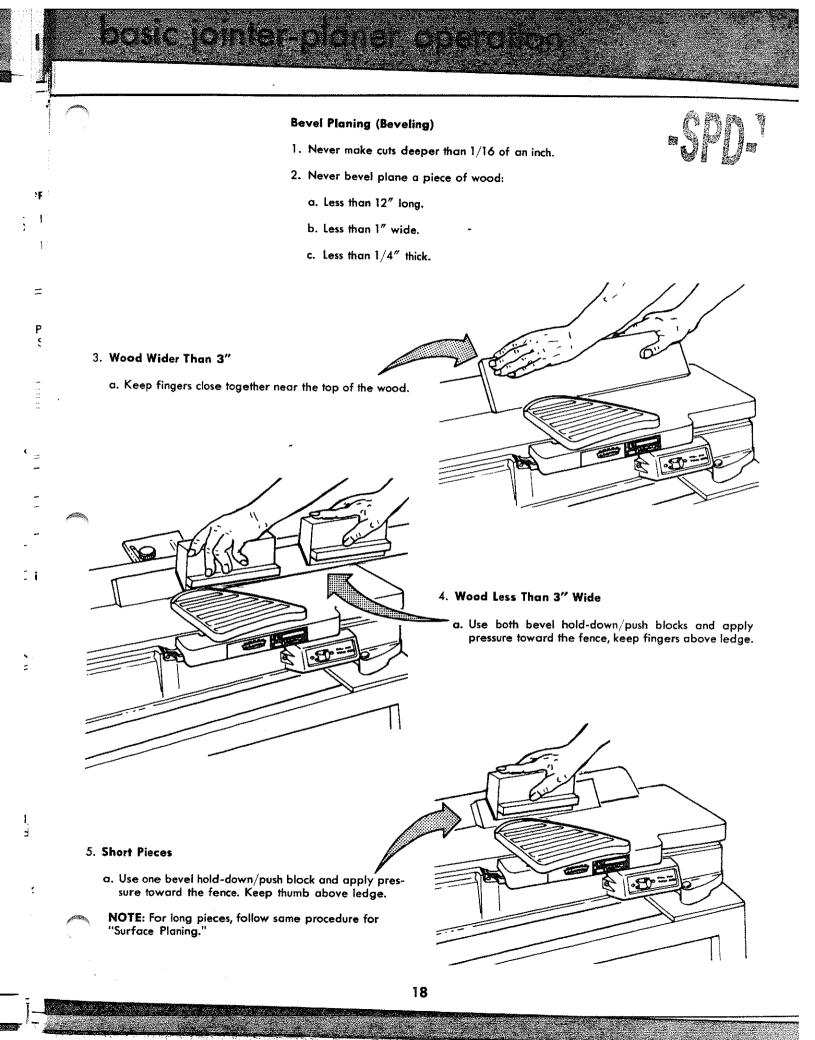
#### **Rabbet Planing (Rabbeting)**

CAUTION: The cutter guard must be removed when rabbeting. Use caution and good judgement. Take successive light cuts by lowering the infeed table 1/32" at a time.

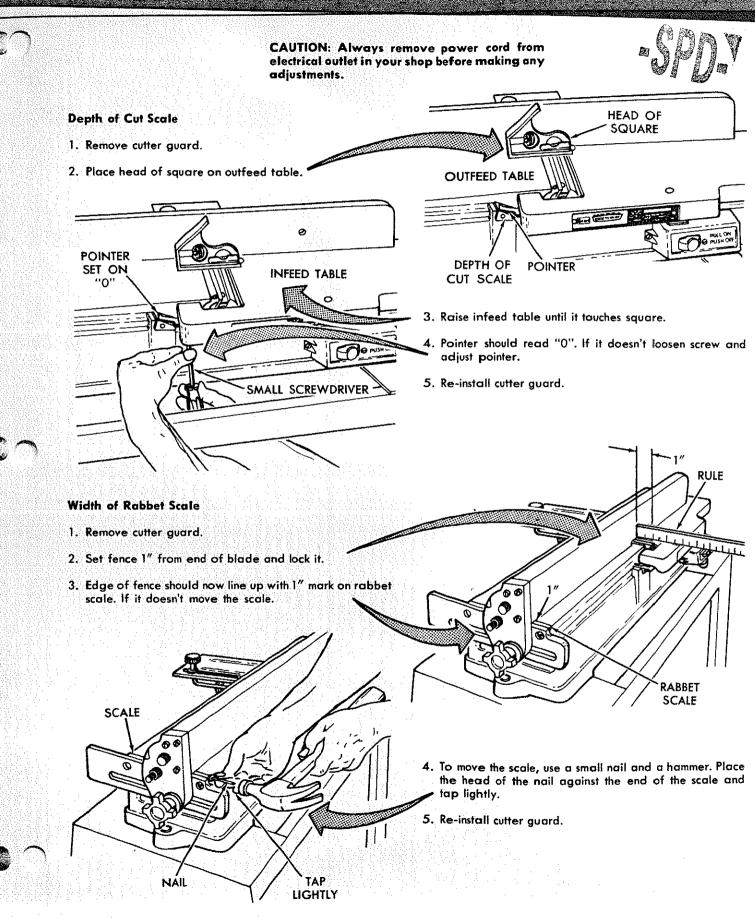


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STATISTICS IN



# adjustments and maintenance



#### **Infeed Table**

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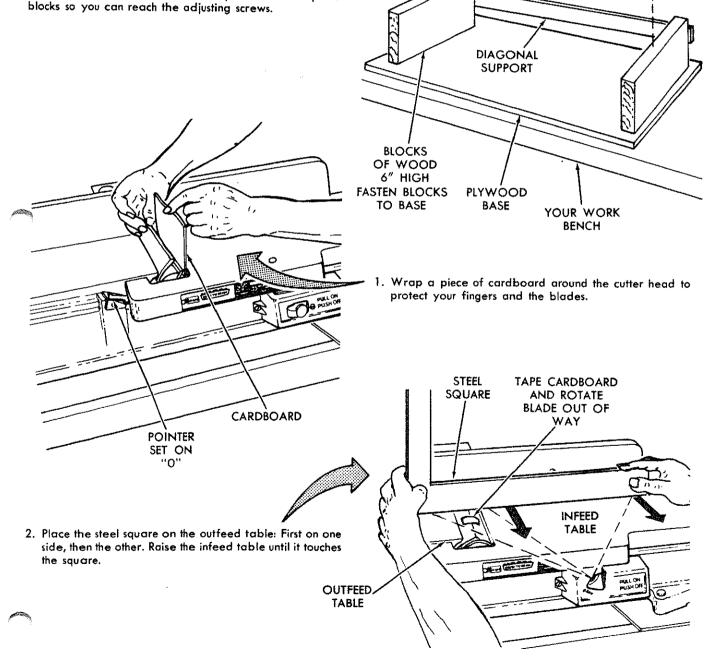
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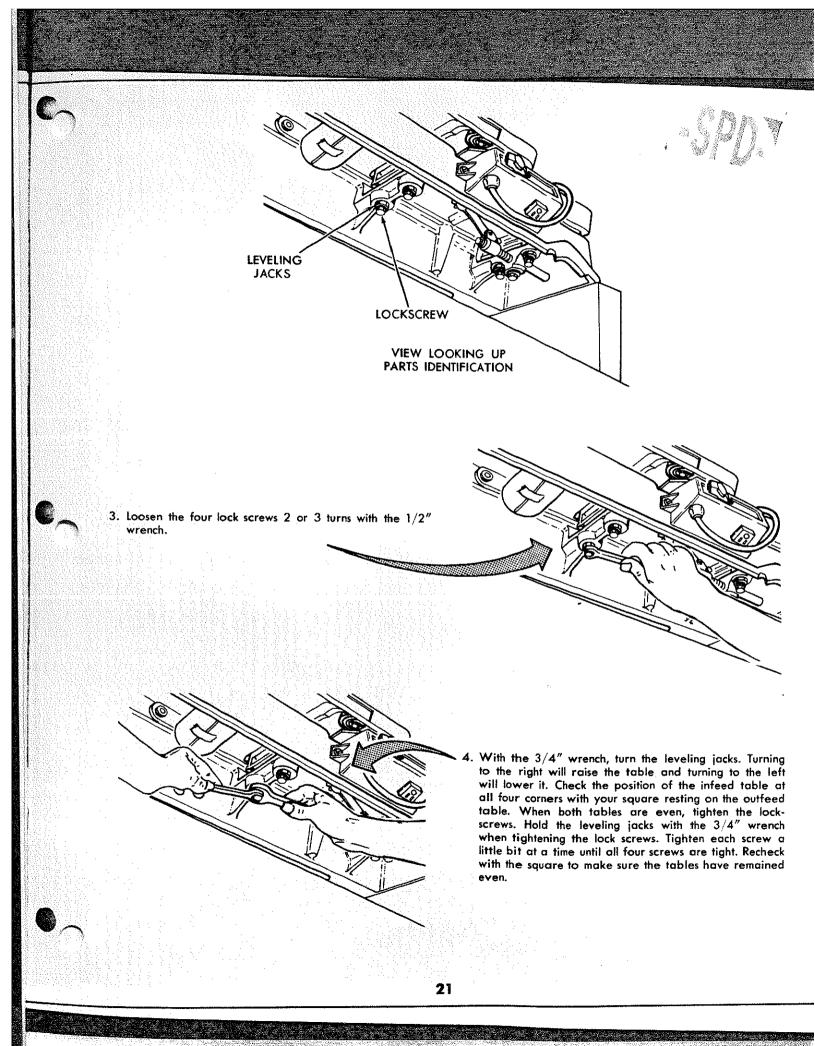
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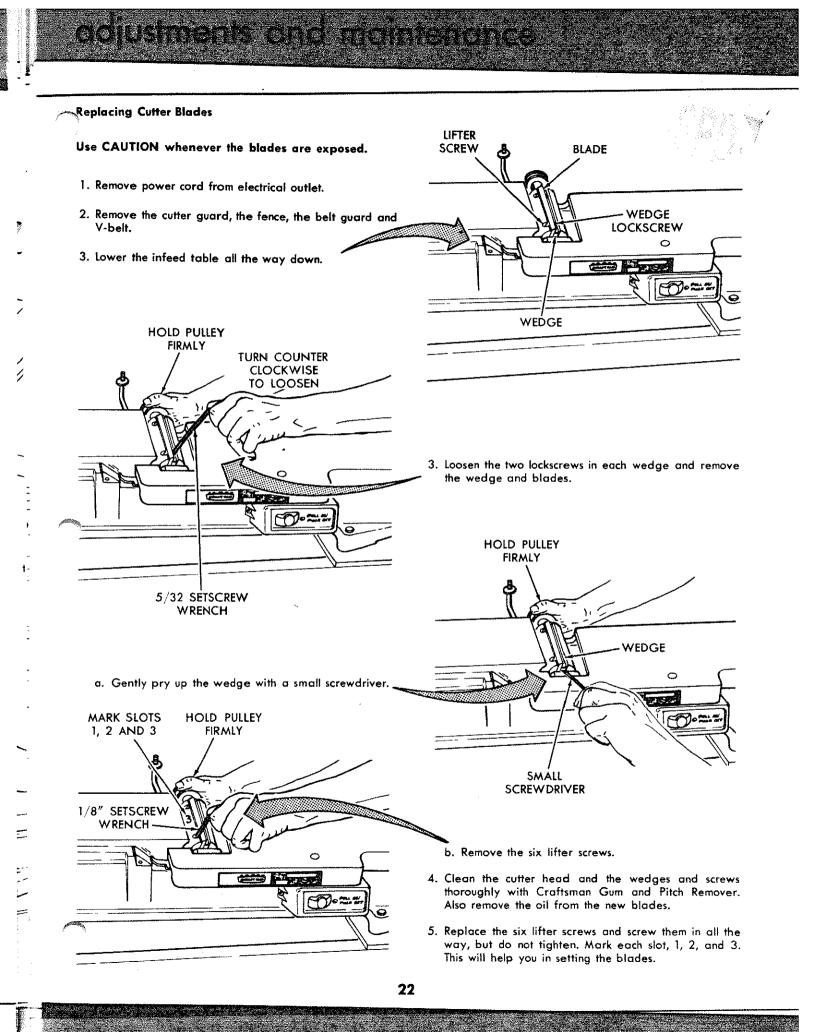
가 키ç The infeed table must be parallel to the outfeed table.

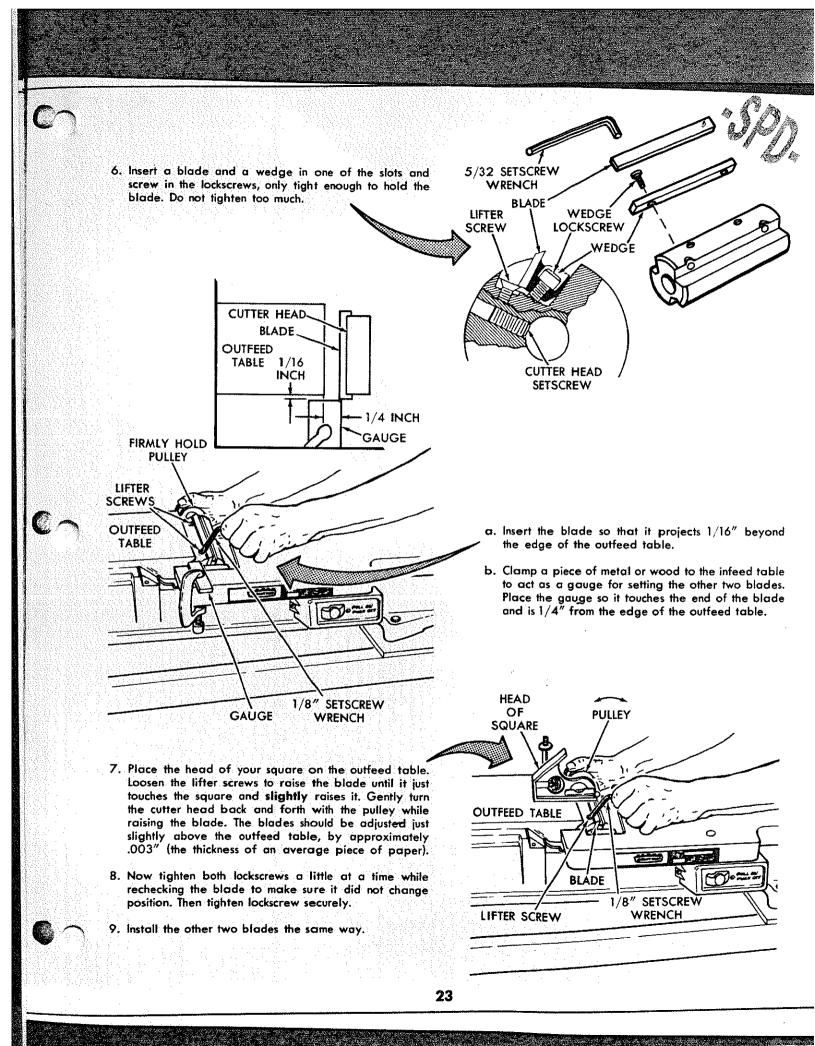
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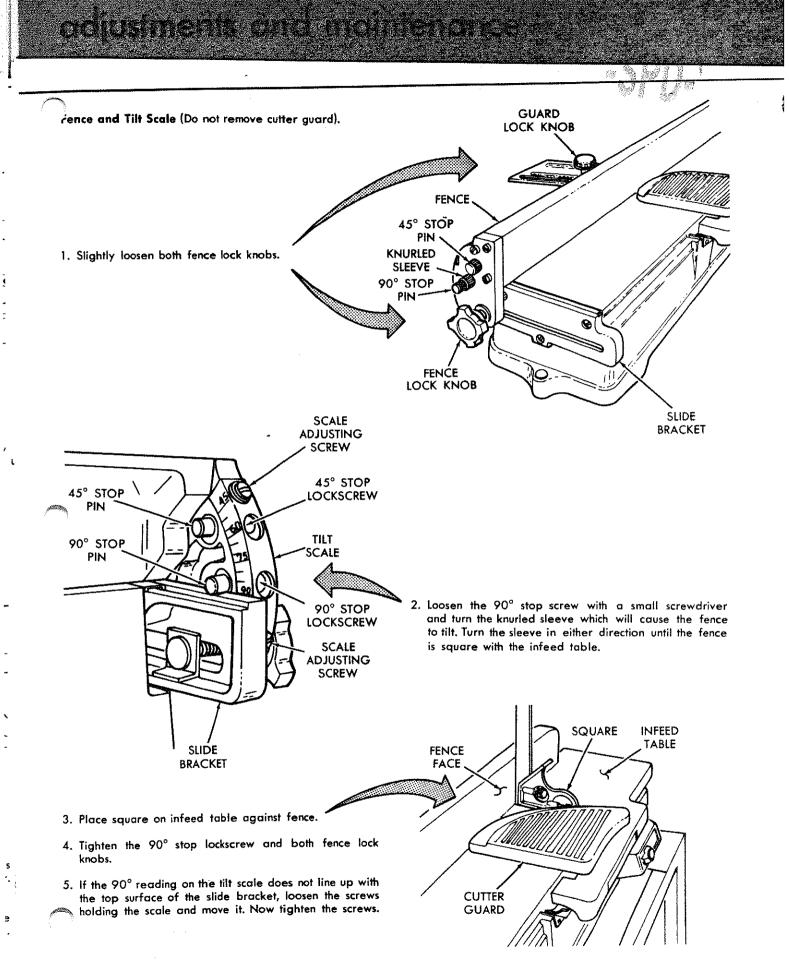
While adjusting it, the jointer must be in its normal position and not upside down or turned on its side. It is more convenient to make adjustments with the jointer-planer setting on a workbench rather than on the stand. Remove the fence, guard and V-belt. Place the jointer on a couple of blocks so you can reach the adjusting screws.

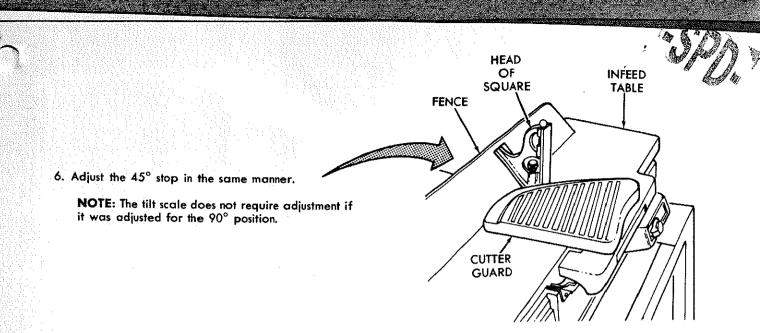






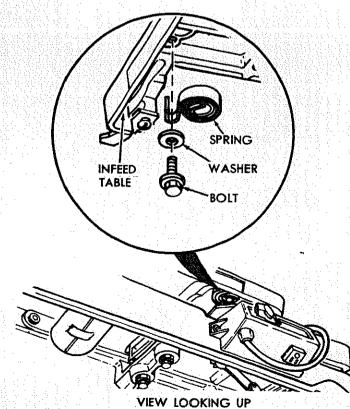


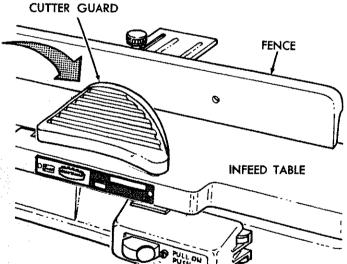




#### Cutter Guard

1. If the guard does not spring back against the fence, check to see if the spring is broken, installed upside down, or loose. If the spring is loose, make sure that the loop in the spring is against the screw and securely tightened. If the spring is broken, remove the guard and replace the spring.





- 2. Spring should appear as in sketch to the left from underside of the front table. It will not perform properly if installed upside down.
- 3. Install guard per assembly instructions under "Installing the cutter guard" on page 4.

## dolusiments and

#### **Sharpening the Blades**

- 1. If the blades are nicked, they must be replaced or reground. They can be reground several times until they become 9/16" wide. Never install reground blades less than 9/16" wide.
- 2. The blades can be honed individually with an ordinary oilstone.
- 3. Make sure your oilstone is not worn in the center. It must be flat.
- 4. Be sure to remove the burr on the flat side.

#### **General Maintenance**

Keep your jointer-planer clean. Put a carton or some kind of a container underneath your jointer-planer to catch the chips. The container should reach above the top of the motor.

Do not allow pitch to accumulate on the tables, the fence, the cutter guard, the cutter head or the knives. Clean them with Craftsman Gum and Pitch Remover.

Apply a thin coat of furniture wax on the tables and fence so that the wood slides easily while feeding.

Do not allow chips to accumulate on the underside of the jointer-planer.

Periodically apply a few drops of oil between the dovetail spacer and the dovetail slide, see figure 2, Parts List.

Keep the elevating screw clean and apply a few drops of oil periodically, see figure 2, Parts List.

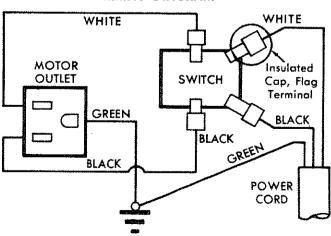
Frequently blow out any chips or dust from the motor.

#### 

11

IIEM	CAT. NO.
Floor Base	9-2229
Cutter Blades	9-2293

The above recommended accessories are current and were available at the time this manual was printed.



#### WIRING DIAGRAM

11/16" NEW BLADE



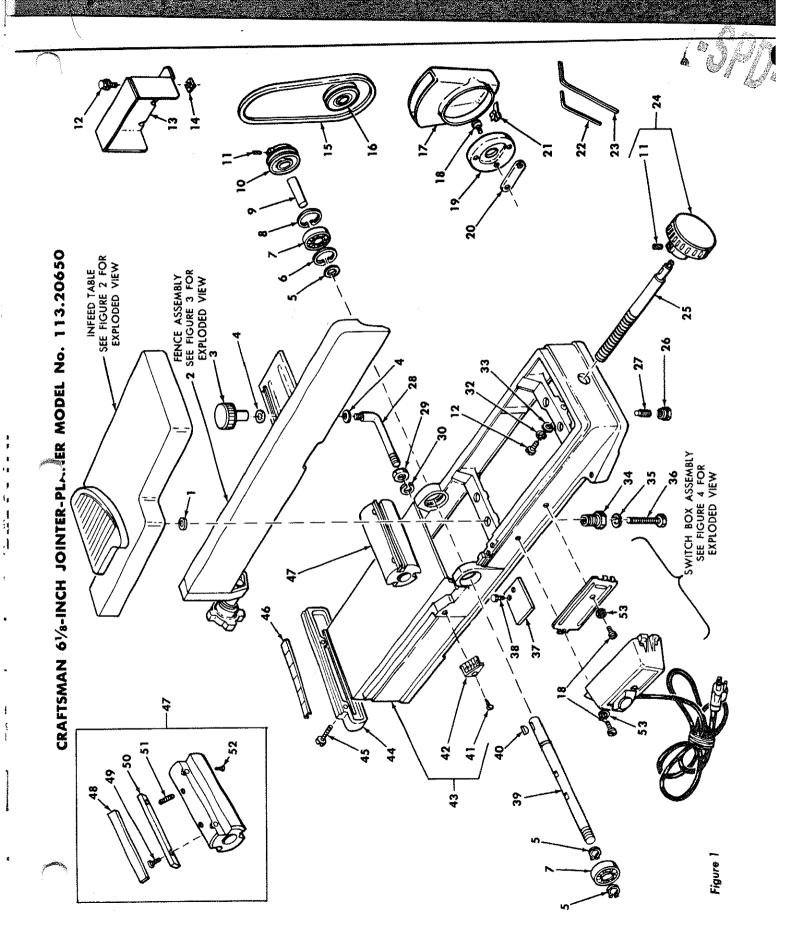
## TROUBLE SHOOTING

frouble shooting

COMPLAINT	PROBABLE CAUSE	REMEDY
Motor will not run.	<ol> <li>Defective On-Off switch.</li> <li>Defective switch cord.</li> <li>Defective switch box receptacle.</li> <li>Motor protector open, (only if your motor is equipped with an overload protector).</li> <li>Other cause .</li> </ol>	<ol> <li>Replace switch.</li> <li>Replace switch cord.</li> <li>Replace switch box receptacle.</li> <li>Reset protector, see instructions furnished with motor.</li> <li>Consult Sears service.</li> </ol>
Wood strikes outfeed table after passing over cutter head.	Blades improperly adjusted below surface of outfeed table.	Re-adjust blades, see Adjustment and Mainte- nance section.
Ripples on planed surface.	<ol> <li>One blade set higher than other.</li> <li>Feeding wood too fast.</li> </ol>	<ol> <li>Re-adjust blades, see Adjustment and Main- tenance section.</li> <li>Feed wood slower.</li> </ol>
Planed surface not straight.	Infeed table out of adjustment.	Re-adjust infeed table, see Adjustment and Maintenance section.
Excessive gouging at end of cut.	Blades set too high above outfeed table.	Reset blades, see Adjustment and Maintenance section.
90° and 45° cuts inaccurate.	<ol> <li>Fence stops not adjusted properly.</li> <li>Fence slide bracket not even with table.</li> </ol>	<ol> <li>Re-adjust fence stops, see Adjustment and Maintenance section.</li> <li>Refer to figure 1, Parts List and adjust slide bracket even with the table.</li> </ol>
Infeed table loose.	<ol> <li>Dovetail spacer requires adjustment.</li> <li>Female dovetail loose from table.</li> </ol>	<ol> <li>Tighten screw, see figure 2, Parts List.</li> <li>Tighten screws, see figure 2, Parts List.</li> </ol>
Cutter head guard does not function properly.	<ol> <li>Return spring broken.</li> <li>Guard not adjusted properly.</li> <li>Return spring not adjusted properly.</li> </ol>	<ol> <li>Replace spring immediately, see Adjustment and Maintenance section.</li> <li>Re-adjust guard, see Adjustment and Main- tenance section.</li> <li>Adjust spring, see Adjustment and Mainte- nance section.</li> </ol>



repair parts



28

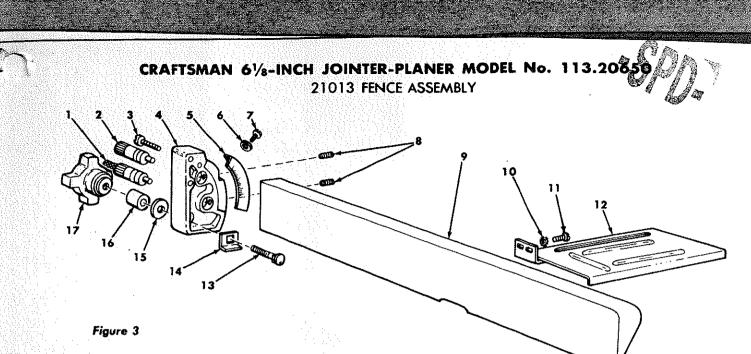
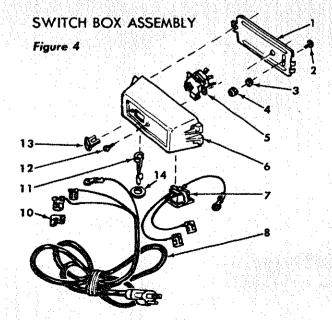


FIGURE 3 PARTS LIST

Key No.	Part No.	Description	Key No.	Part No.	Description
1.1.1	21440	Plunger Assembly	9	21229	Body, Fence
2	21430	Pin Assembly, Stop	10	114603	*Washer, Lock, Ext. Tooth
3	132280	*Screw, Mach., 1/4-20 x 1-1/4, Fil. Hd. Slotted	11	132823	*Screw, Mach., No. 10-24 x 1/4, Rd. Hd., Slotted
4	21232	Plate, Fence End	12	67009	Guard, Cutter
5	21736 60182	Scale, Fence Tilt *Washer, Plain, 13/64 I.D. x 1/2 O.D.	13	126699	*Bolt, Carriage, 3/8-16 x 2-1/2 Round Head
		x 3/64	14	21738	Retainer, Bolt
7	436691	*Screw, Mach., No. 8-32 x 1/4, Bind Hd., Slotted	15	60121	*Washer, Plain, 25/64 I.D. x 1-1/8 O.D. x 7/64
8	102817	Screw, Set, 1/4-20 x 1/2,	16	47624	Spacer
		Full Dog Pt., Slotted	17	62275	Knob Assembly, Lock



SEE WIRING DIAGRAM, PAGE 26

#### FIGURE 4 PARTS LIST

Key No.	Part No.	Description
1	60269	Bracket, Housing
2	448033	*Screw, Ty 23, 10-32 x 3/8 Pan Hd.
2 3	115545	*Lockwasher, No.10Int. Tooth
4	115999	*Nut-Hex. 10-32 x 3/8 x 1/8
4 5	60267	Switch, Locking
6 7	60316	Box, Switch
7	62376	Outlet
8	60271	Cord With Plug
10	63467	Cap, Flag Terminal, Insulated
11	37818	Relief, Strain
12	60287	*Screw, Nylon, 6-32 x 1/4
13	60256	Key, Switch
14	60317	*Washer, 21/32 x 1 x 1/64

\*Standard Hardware Item—May Be Purchased Locally.

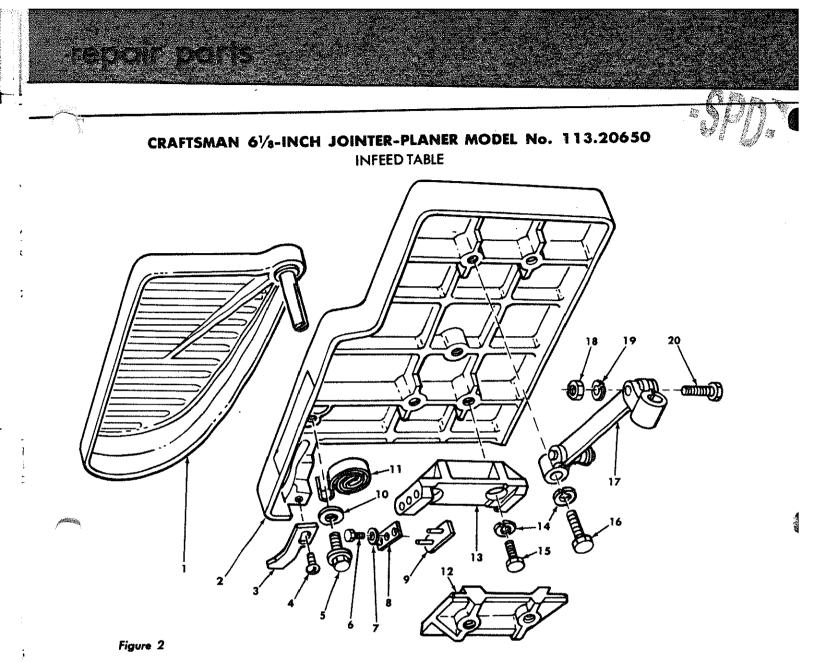


FIGURE 2 PARTS LIST

Key No.	Part No.	Description
	21520	Guard
2	67001	Table (with Name Plate)
23	21735	Pointer, Depth of Cut
4	132823	*Screw, Mach., No. 10-24 x 1/4, Rd. Hd., Slotted
5	60099	*Screw, No. 10-24 x 5/8, Spin Lock
6	443507	*Screw, Cap, 1/4-20 x 1/2, Hex. Hd.
6 7	60040	*Washer, Plain, 17/64 I.D. x 3/4 O.D. x 3/64
8	21812	Plate, Tension
9	21422	Spacer, Dovetail
10	60182	*Washer, Plain, 13/64 l.D. x 1/2 O.D. x 3/64

Key No.	Part No.	Description
11	38779	Spring, Guard (Includes Key 5 & 10)
12	21219	Dovetail, Male
13	21218	Dovetail, Female
14	131201	*Washer, Split Lock, 5/16 x .117 x .056
15	21635	Screw, Spl.
16	60038	*Screw, Cap, 5/16-18 x 1-1/4, Hex. Hd.
17	21204	Linkage Assembly
18	115120	*Nut, Hex., 1/4-20 x 7/16 x 3/16
19	115109	*Washer, Split Lock, 1/4 x .109 x 062
20	60098	*Screw, Cap, 1/4-20 x 1, Hex. Hd.

\* Standard Hardware items—May be Purchased Locally.

PARTS LIST

# CRAFTSMAN 61/8-INCH JOINTER-PLANER MODEL No. 113.20650

All parts illustrated in Figures 1 through 4 and listed under part numbers may be ordered through any Sears Retail Store or Catalog Order House. Order parts by mail from the Catalog Order House that serves the territory in which you live. In several instances, part numbers are listed for COMPLETE ASSEMBLIES. All parts are shipped prepaid within the limits of the Continental United States.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN ON THIS LIST:

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Always order by Part Number — not by Key Number

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ź		Description	ŝ	°Ž	Description	ź	°.	Description
	18437	Washer	20	60254	Bracket-Support	38	60078	*Screw, Mach., 5/16-18 x 1/2,
2	21013	Fence Assembly, Complete	21	60255	Clip-''S''	_		Hex. Hd.
		l (See Fig. 2)	22	37887	*Wrench Hex., 1/8	39	21636	Arbor
<del>ຕ</del>	21416	Knob. Šliding Guard	23	60096	*Wrench, Hex., 5/32	40	106751	Key, Woodruff, No. 9
4	21622	Washer, Sliding Guard	24	38530	Handwheel, Includes Key No. 11	4	145372	Screw, Drive, No. 4 x 1/4 In.
	37158	Ring, Retaining	25	21639	Screw, Elevating	42	21734	Scale, Depth of Cut
\$ 	18441	Ring, Retaining	26	118614	*Nut, Hex., 5/16-18 x 1/2 x	43	21540	Base, Includes Key No.s 41 & 42
<u>`</u>	3509	Bearina, Ball			17/64	44	21237	Bracket, Fence Stide
œ 	38879	Ring, Bowed Retaining	27	102832	Screw, Set, 5/16-18 × 1, Fuil	45	132275	Screw, Mach., 1/4-20 x 1,
о. —	21817	Spacer			Dog Pt., Slotted Hd.			Fil. Hd. Slotted
10	38160	tPulley with Set Screw, 2" Dia.	28	21638	Rod, Sliding Guard	46	21739	Scale
		x 1/2" V-Groove, 5/8" Bore,	29	118647	*Nut, Hex., 1/2-13	47	21450	Head Assembly, Complete Cutter
		Keyed	30	60114	*Washer, Split Lock, 1/2	48	18112	†Blade, Cutter
11	115321	115321 *Screw, Set, 5/16-8 x 5/16,				¢4	60116	*Screw, Cap. No. 10-32 x 3/4
		Soc. Hd.						Soc. Hd.
12	443507	443507 * Screw, Hex. Hd. 1/4-20 x 1/2	32	115109	*Washer, Split Lock, 1/4	20	21632	Wedge, Cutter Blade
13	-	Belt Guard, Pulley	33	60113	*Washer, Plain, 17/64 I.D. x	5	60117	*Screw, Set, 5/16-24 x 7/8,
4		115120 *Nut, Hex. 1/4-20 x 7/16 x 3/16			3/4″ O.D. x 7/64			Soc. Hd.
	~	Belt, ''V'' 1/2 × 37	34	18516	Stud, Leveling	52	60118	*Screw, Mach., No. 10-32 x 1/2,
16	30646	tPulley with Set Screw, 2 1/2 Dia.	35	131201	Lock Washer, 5/16 x .117 x .056			Flat. Soc. Hd.
		x 1/2" V-Groove, 5/8" Bore,	36	60101	Screw, Hex. Hd., 5/16-18 x	53	115545	*Lockwasher, No.10 Int. Tooth
		Keyed			1-3/4		67007	Owner's Manual
17		Guard-Belt, Motor	37	21733	Support-Guard Pin			(Not Illustrated)
18		448035  *Screw, Ty 23 Pan 10-32 x 1/2						
<u> </u>	60253	Support-Belt Guard						

\*Standard Hardware Item—May Be Purchased Locally.

fStock Item—May be secured through the Hardware Department of most Sears or Simpsons-Sears Retail Stores or Catalog Order Houses. Not Supplied in Canada.

NOTE: Shipping and handling charges for standard hardware items (identified by\*) such as nuts, screws, washers, etc., make buying these items by mail uneconomical. To avoid shipping and handling charges, you may obtain most of these locally.

# owners manual



# CRAFTSMAN 61/8-INCH JOINTER-PLANER

### MODEL No. 113.20650

Sears

# HOW TO ORDER

SEARS SERVICE IS AT YOUR SERVICE WHEREVER YOU LIVE OR MOVE IN THE U.S.A. The Model Number will be found on a plate attached to your infeed table. Always mention this Model Number when requesting service or repair parts for your CRAFTSMAN 61/8-INCH JOINTER-PLANER.

All parts listed herein may be ordered through SEARS ROEBUCK AND CO. or SIMPSONS-SEARS LIMITED. When ordering parts by mail, selling prices will be furnished on request or parts will be shipped at prevailing prices and you will be billed accordingly.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST.

- 1. The PART NUMBER
- 2. The PART DESCRIPTION
- 3. The MODEL NUMBER 113.20650
- 4. The NAME OF ITEM— CRAFTSMAN 61/8-INCH JOINTER-PLANER

Your Sears merchandise takes on added value when you discover that Sears has over 2,000 Service Units throughout the country. Each is staffed by Sears-trained, professional technicians using Sears approved parts and methods.

## SEARS, ROEBUCK AND CO. U.S.A. SIMPSONS-SEARS LIMITED, CANADA

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