

No. 15 Chain Saw Mortiser

ALL MACHINES PERFORMANCE-TESTED BEFORE SHIPMENT

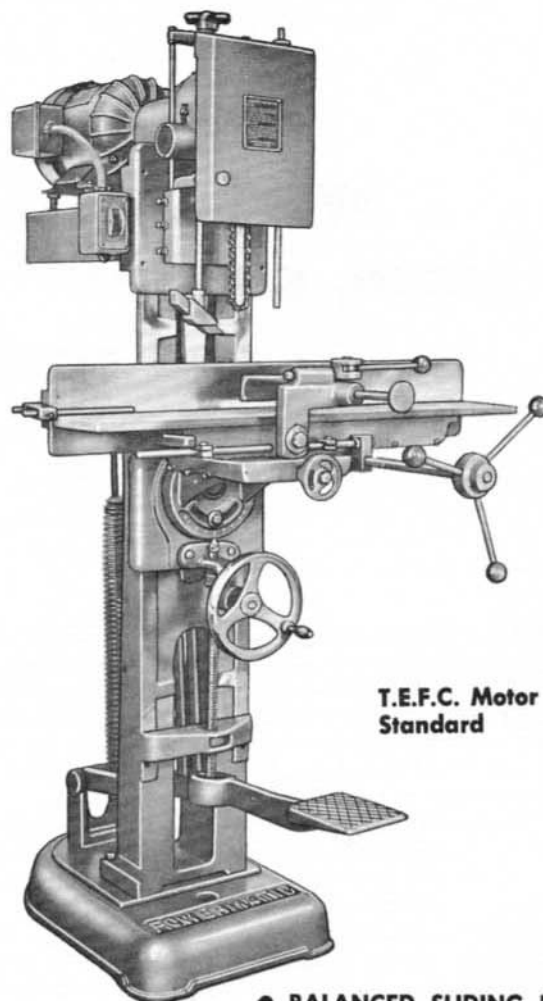
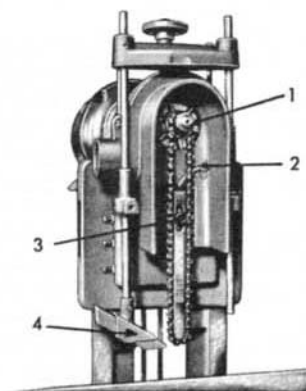
big capacity . . . to speed production

Here is the ruggedness, versatility and outstanding performance required for every type of mortising operation . . . big or small. The massive balanced sliding head of the Powermatic #15 Chain Saw Mortiser assures smooth-as-velvet action which means superb production accuracy with minimum effort for any operator . . . veteran or novice.

Universal table offers increased flexibility . . . so easy to adjust for any type of cut you desire. Advanced safety features and low operating cost mean extra dollar value and extra production in every shop or plant.

Simplified Mortiser Head Mechanism

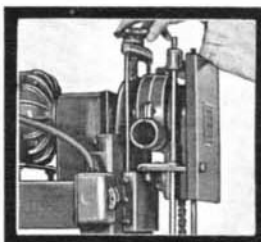
1. Built-in chip blower.
2. Oiler for positive chain lubrication.
3. Block-mounted mortise bar for easy adjustment.
4. Adjustable chipbreaker.



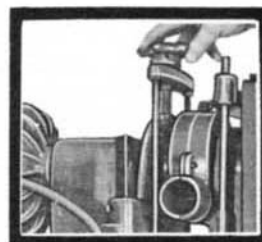
T.E.F.C. Motor Standard

- BALANCED SLIDING HEAD
- UNIVERSAL TABLE
- VERSATILE . . . RUGGED

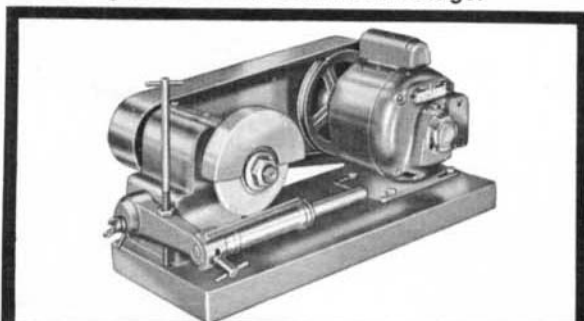
Sliding Head is spring counter-balanced on heavy, rigid machined column with convenient foot pedal control for safe, easy operation.



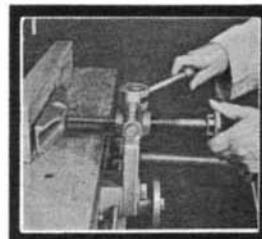
Chain Tension Adjustment is quick and easy. Helps make chain bar and sprocket last much longer. The most important adjustment in mortiser operation.



Chain Grinder (Optional) For #15 Mortisers. Specially built for precision chain grinding with absolute uniformity. Grinds correct cutting angle absolutely essential to top quality work and to prevent jumping, binding and excessive chain breakage.



Quick-Acting Eccentric Clamp permits fast stock change with complete accuracy in high production operations.



Rigid Chipbreaker assures smooth, clean, splinter-free cuts on #15 chain saw mortisers.



FEATURES

FRAME: Perfectly fitted from heavy, reinforced iron castings for extreme rigid support and perfect alignment. Mounted on heavy cast iron base to eliminate annoying vibration.

TABLE: Universal style, 6" x 36" with 4" back fence. Compound rack and pinion unit which tilts 45° right or left with a 14" vertical adjustment range operated by convenient, front-mounted hand-wheel. Table may be laterally adjusted up to 4" with hand-wheel.

Stock is held snugly in position with a quick-acting, adjustable eccentric clamp. Front-mounted turret handle operates rack and pinion for full 12" straight-line mortising without unclamping work.

STROKE: Maximum range is 4", the deepest cutting depth. Stroke is easily controlled by foot lever through linkage which provides full leverage adjustment. Speeds production and reduces operator fatigue.

HEAD: Precision built of cast iron with adjustable gibs.

Runs on extra long, precision machined ways.

SPINDLE: 1 3/16" in diameter, mounted in sealed ball bearings. Spindle is driven with shaft coupled directly to motor. A built-in, spindle-mounted fan keeps work clean and free from dust and chips.

CHAIN: Equipped with 3/8" x 1 1/2" chain, bar and sprocket mortise set as standard equipment. May be fitted with mortise sets from 1/4" x 3/4" to 3/8" x 3" (available at extra cost).

LUBRICATION: Automatic oiler assembly assures constant oil application to chain while machine is in operation. Chain, bar and sprocket last months longer.

MOTOR: 1-HP, 3-phase motor is completely sufficient for all light mortising operations, up to 3/4". For heavier mortising, up to 3/8", a 2-HP motor is required. 1 1/2-HP and 2-HP motors are available either 1 or 3-phase.

Motor is controlled with a manually operated switch front-mounted at eye level.

STANDARD EQUIPMENT

MORTISER WITH MOTOR: 3/8" x 1 1/2" mortise set, eccentric stock clamp, work holddowns, clipbreaker, universal table, work stops, wrench set, chipblower, automatic oiler, motor, switch and wiring.

STANDARD MACHINES

320-01—Powermatic #15 Chain Saw Mortiser complete with 3/8" x 1 1/2" mortise set, wrench set and 1-HP, 3-phase motor and switch #3-25.

320-02—Same as 320-01 except with 1 1/2-HP, 1-phase motor, switch #1-21, cord and plug.

320-03—Same as 320-01 except with 1 1/2-HP, 3-phase

motor, switch #3-25.

320-04—Same as 320-01 except with 2-HP, 3-phase motor, switch #3-25.

320-05—Same as 320-01 except with 2-HP, 1-phase motor, switch #1-21 cord and plug.

OPTIONAL ACCESSORIES

320-10—1-phase O/L switch #1-23. Wt. 3/4 lb.

320-11—3-phase O/L switch #3-27. Wt. 1 lb.

320-12—Magnetic 3-phase switch #3-30 & 1-3-32. Wt. 6 lbs.

320-13—Magnetic 1-phase switch #1-29 & 1-3-32. Wt. 6 lbs.

320-14—JIC Electricals for 1 or 3-phase operation. Wt. 20 lbs.

320-15—1/4" x 3/4" x 3" Mortise set including chain, bar and sprocket. Wt. 1 lb.

320-16—3/8" x 3/4" x 3" Mortise set including chain, bar and sprocket. Wt. 1 lb.

320-17—1/4" x 1" x 3 1/2" Mortise set including chain, bar and sprocket. Wt. 1 lb.

320-18—3/8" x 1 1/2" x 4 1/2" Mortise set including chain, bar and sprocket. Wt. 1 1/4 lbs.

320-19—1/2" x 1 1/2" x 5" Mortise set including chain, bar and sprocket. Wt. 1 1/2 lbs.

Other Mortise sets available. Write factory for information.

520-01—Mortise Chain Grinder, less motor.

520-02—Mortise Chain Grinder, with motor.

SPECIFICATIONS

Table.....6" x 36"
Table, Lateral Travel.....4"
Table, Longitudinal Travel.....12"
Table, Vertical Adjustment.....14"
Fence.....4" x 36"
Chain-to-Table Top, Maximum.....14"
Chain Center-to-Back Stop,

Maximum.....4"
Maximum Stock Width.....14"
Range of Depth Stop.....5"
Maximum Cutting Depth.....5"
Maximum Usable Mortise Set.....3/8" x 3"
Minimum Usable Mortise Set.....1/4" x 3/4"
Standard Mortise Set

Furnished.....3/8" x 1 1/2"
Motor Speed.....3600 RPM
Weight, Net.....600 lbs.
Weight, Domestic Crated.....670 lbs.
Weight, Export boxed,
(88.5 cu. ft.).....750 lbs.

OPERATING INSTRUCTIONS AND PARTS LIST

Model 15 Chain Saw Mortiser

For Serial Numbers From 2000 Up

POWERMATIC INC.
McMinnville, Tennessee

	PAGE
I. OPERATING INSTRUCTIONS	
I. Machine Description and Specifications.....	2
II. General set-up and Alignment.....	3
III. Operating Adjustments	6
II. PARTS LIST	
I. Parts Illustration	7
II. Parts Description and Price List.....	7-8

I. MACHINE DESCRIPTION AND SPECIFICATIONS

- FRAME:** Heavy, re-inforced castings, designed to make machine rigid and eliminate vibration.
- TABLE:** The table is a compound Rack and Pinion table, 6" x 36" with a 4" back fence. Tilts 45° either right or left. In addition to operating in and out as well as vertical, it also has a rack and pinion feed which enables the operator to make a series of mortises in alignment, without unclamping stock. The work is held in place with a quick acting adjustment eccentric clamp. Table has a vertical adjustment of 22", operated by handwheel on front of machine.
- FOOT LEVER AND STROKE:** The stroke of the chain is operated by the foot lever. Maximum stroke is 4", which is also the depth of the deepest mortise. The foot lever linkage is so arranged that it may be changed for shortening the stroke. Shortening the stroke gives greater leverage and so adapts the machine for heavier work without exerting an excessive strain on the operator.
- BITS:** The machine is recommended by any size chisel up to 3/4" in soft woods. Boring bit 9" over-all is used, with a twist of 6". Shank may be any size diameter up to and including 1/2".
- MOTOR:** The Mortiser can be equipped with either single 110/220 volt 60 cycle, or 3 phase 220 or 440 volt 60 cycle motors. Sizes 1 HP for light and medium work and 1 1/2 HP for heavy duty mortising recommended. Motor spindles operate in high speed ball bearings and are built for years of trouble free service. Motors are operated with an across the line switch mounted on front of machine.
- CAPACITY:**
- | | |
|--|-----|
| Vertical adjustment of table..... | 22" |
| Lateral travel of table..... | 4" |
| Longitudinal travel of table..... | 12" |
| Max. distance between chain and table top..... | 22" |
| Max. distance, center of chain to back stop..... | 4" |
| Will mortise material, wide..... | 14" |
| Adjustment of depth stop..... | 4" |
| Depth of cut..... | 4" |

II. GENERAL SET-UP AND ALIGNMENT

1. RECEIVING

Uncrate and check for shipping damage. Clean all coated and greased surfaces. Read instructions thoroughly. Locate all lubrication points; adjustments; methods of drive.

2. MOUNTING

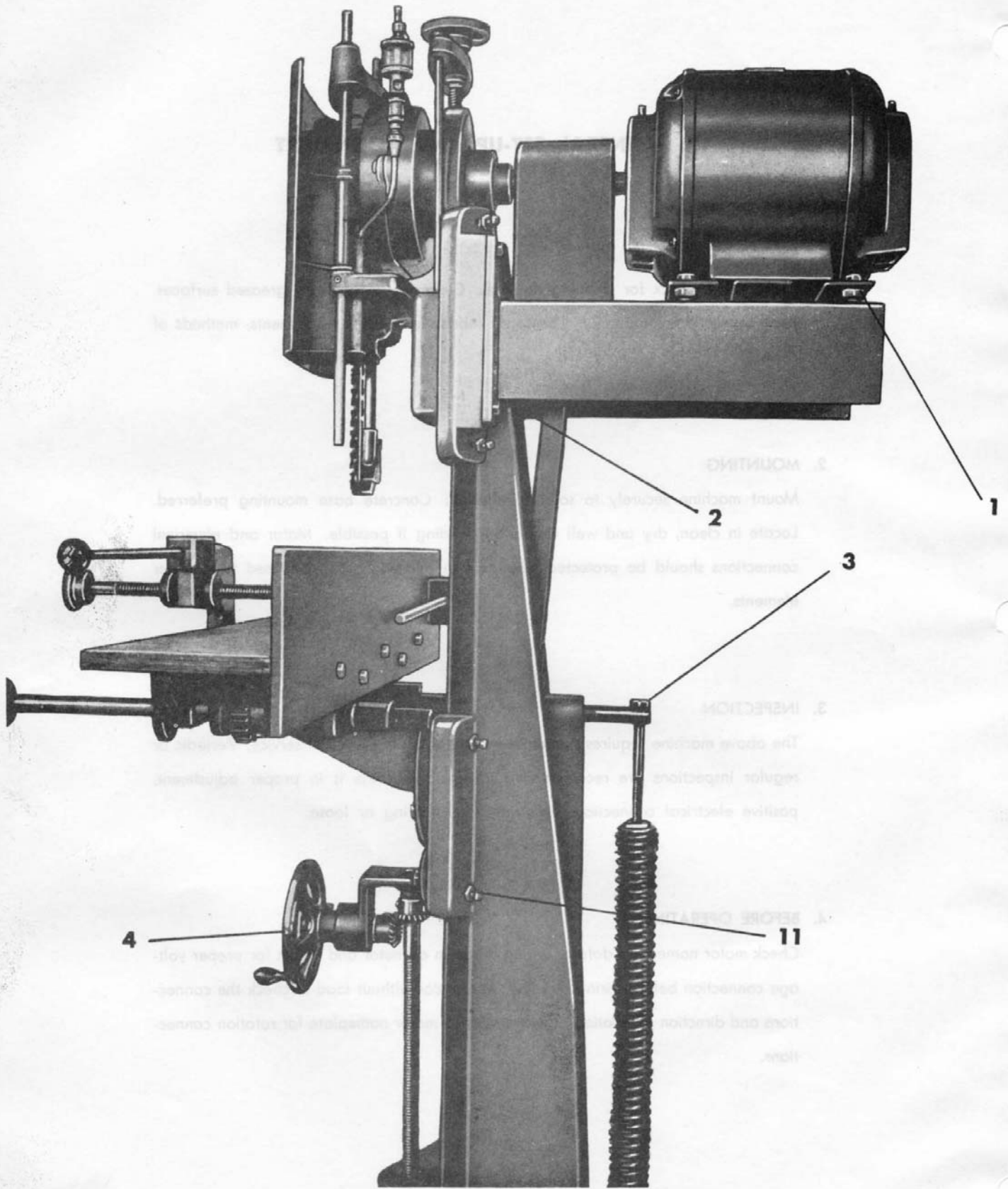
Mount machine securely to solid foundation. Concrete base mounting preferred. Locate in clean, dry and well ventilated building if possible. Motor and electrical connections should be protected when not in operation or if exposed to weather elements.

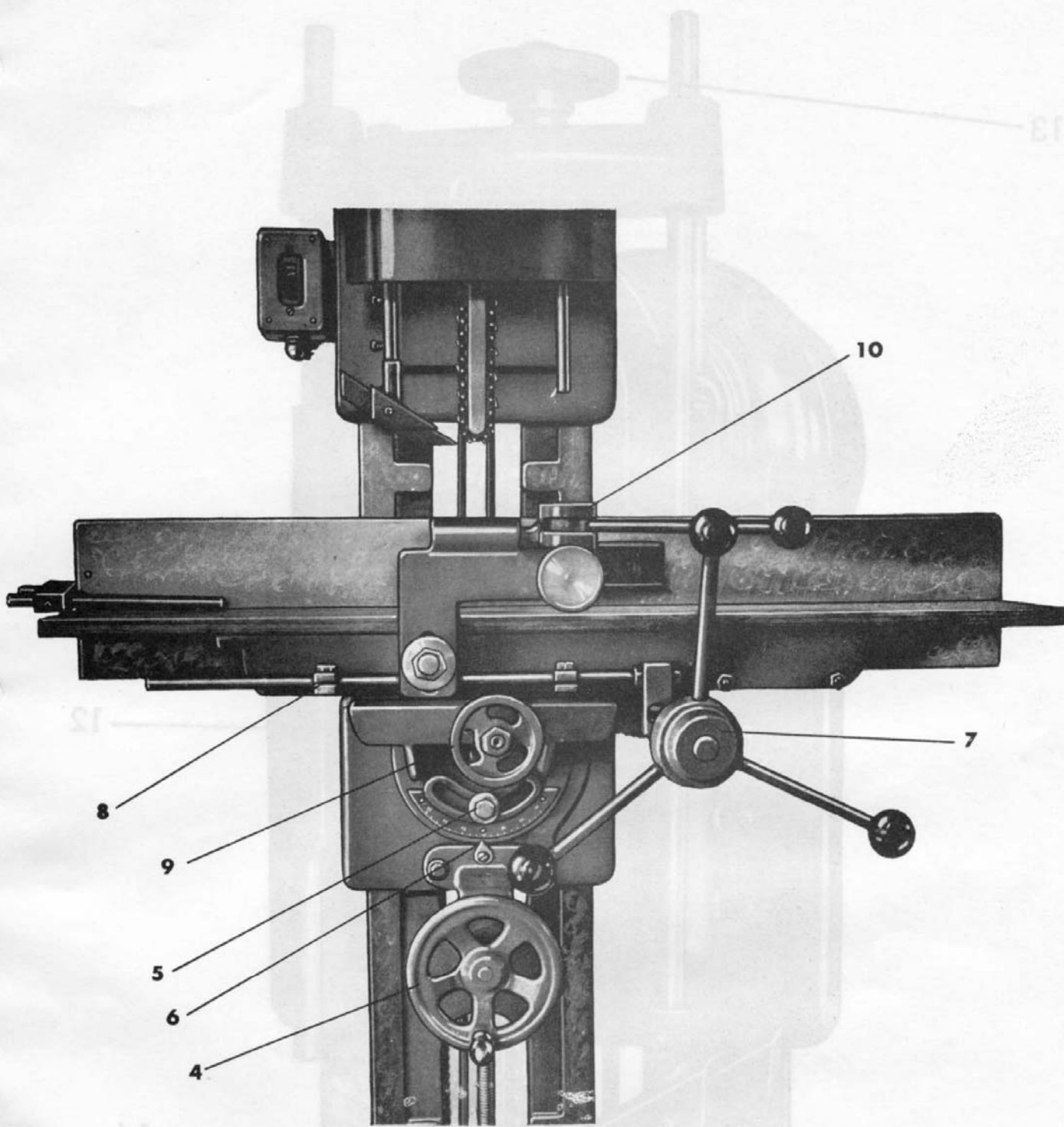
3. INSPECTION

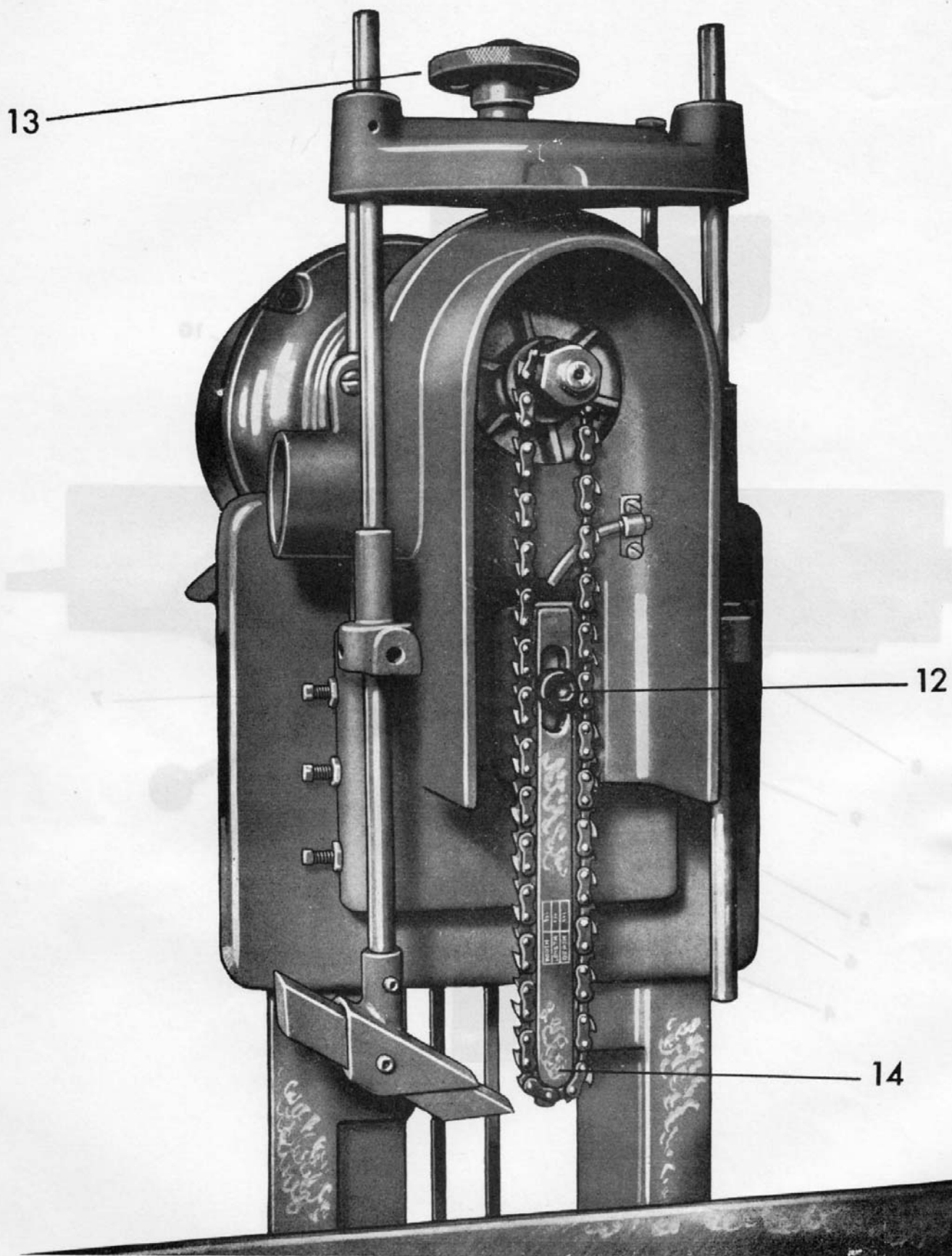
The above machine requires the minimum amount of attention in service. Periodic or regular inspections are recommended to insure machine is in proper adjustment, positive electrical connections; and bearings heating or loose.

4. BEFORE OPERATING

Check motor nameplate data or wiring diagram of motor and switch for proper voltage connection before wiring into line. Run motor without load to check the connections and direction of rotation. Always refer to motor nameplate for rotation connections.







OPERATING ADJUSTMENT

HEAD AND SPINDLE:

The spindle is mounted in sealed ball bearings, connected direct to the motor shaft by a flexible coupling. Spindle bearings require no lubrication. If the coupling becomes noisy, the motor adjustments or alignment should be corrected. The motor is mounted on adjustable jack screws (1) and can be easily aligned.

The Mortising head slides on the main column and is fitted with shims that can be adjusted with screws (2) to take care of any wear in the gibs.

STROKE ADJUSTMENT:

The maximum length of stroke is 4 inches and can be shortened to any length with stroke adjusting stop bolt located in back of column just above the foot pedal. Sliding head is held up by a heavy coil spring that can be adjusted to tension with a bolt (3) that screws in the end of the spring.

TABLE:

The table is raised and lowered with a handwheel (4) mounted on front of machine. The table can be tilted 45° to the right or left for angle mortising. To tilt table, loosen locking bolt (5) and set to correct angle with gauge (6), then tighten locking bolt. Longitudinal travel is operated with a turret handle (7) and is regulated from 0" to 12" with stop (8) on front of table. The cross adjustment, which regulates the center of the mortise to the fence, is adjusted with a handwheel (9).

STOCK CLAMP:

Stock clamp (10) is an eccentric type clamp with an adjustable screw for different thickness material. When clamp is adjusted to the correct thickness material, the stock can be clamped or removed by single action of the clamp handle.

TABLE SLIDE ADJUSTMENT:

Table slides are adjusting screws (11) and should have adequate tension to keep the table rigid without restricting movement of table up and down.

LUBRICATION:

The slides and gibs should be lubricated every 4 hours of operation with S.A.E. 20 oil or equivalent.

**CHAIN CARE AND
ADJUSTMENT:**

The chain bar is fastened to the head with cap screws. The sprocket slides on the spindle over a dowel pin and should be kept tight by a left hand nut (12). Turn spindle nut to the right to loosen and to the left to tighten. The chain tension is adjusted with a handwheel (13) on top of the head. CAUTION: THE CHAIN SHOULD NOT BE ADJUSTED WHEN THE MACHINE IS IN OPERATION.

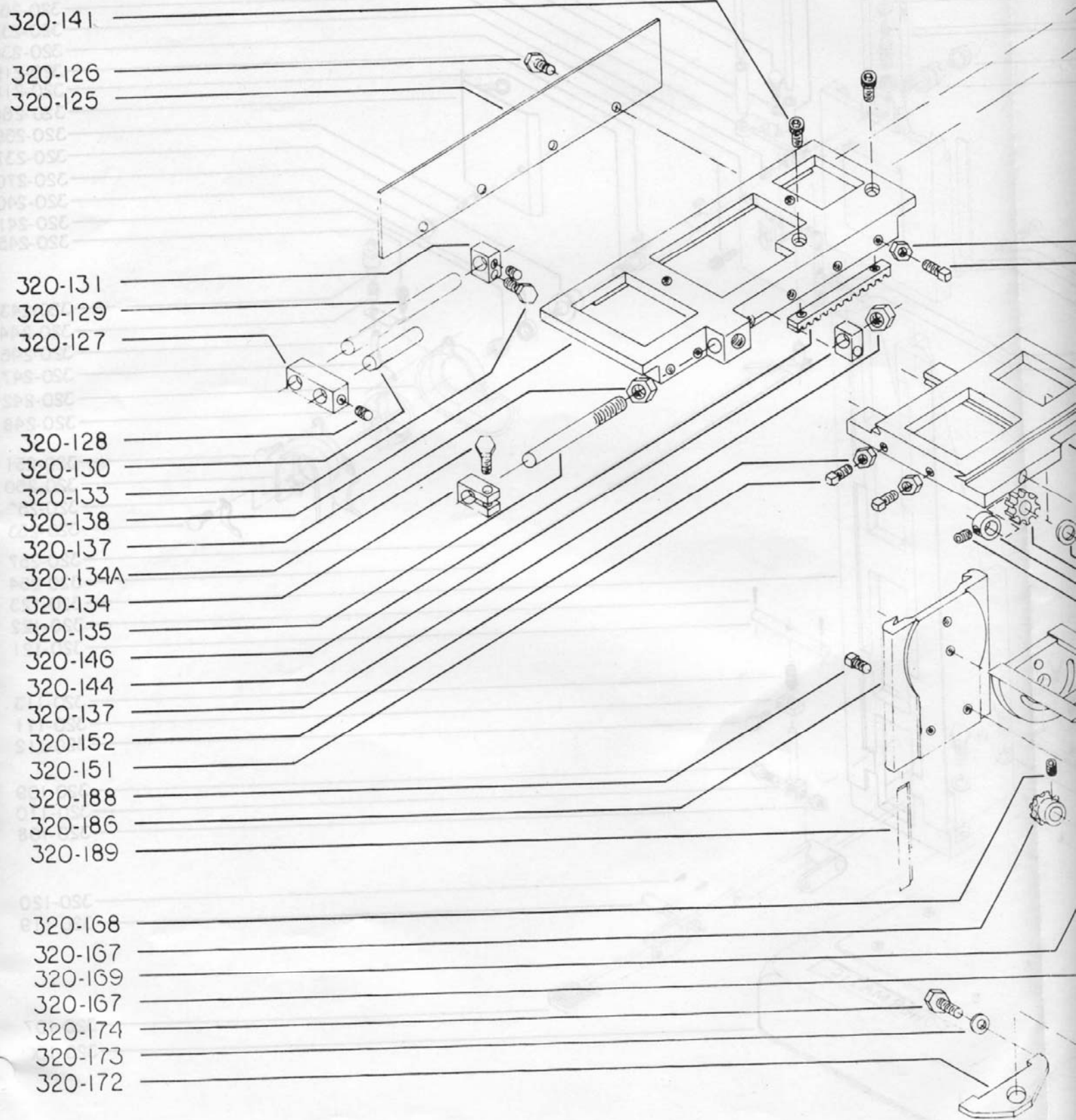
WATCH CHAIN ADJUSTMENT: Run new or repaired chain idle for a few minutes and re-adjust before starting work. Further adjustment may be necessary after cutting once or twice. Bars are slotted for easy chain adjustment—simply slide the bar on the securing bolt. Adjust chain so that it can be pulled $\frac{1}{4}$ " away from the bar. Excessive slackness causes ragged cutting and eventually bearing seizure. If too tight, the sprocket spindle and bearing will be damaged. Lubricate chain every half an hour by pulling the chain away from the bar and squirting oil between. Oil guide bar bearing by dipping the bearing end (14) of the bar into oil. When not in use, clean chain and bar and keep in an oil bath.

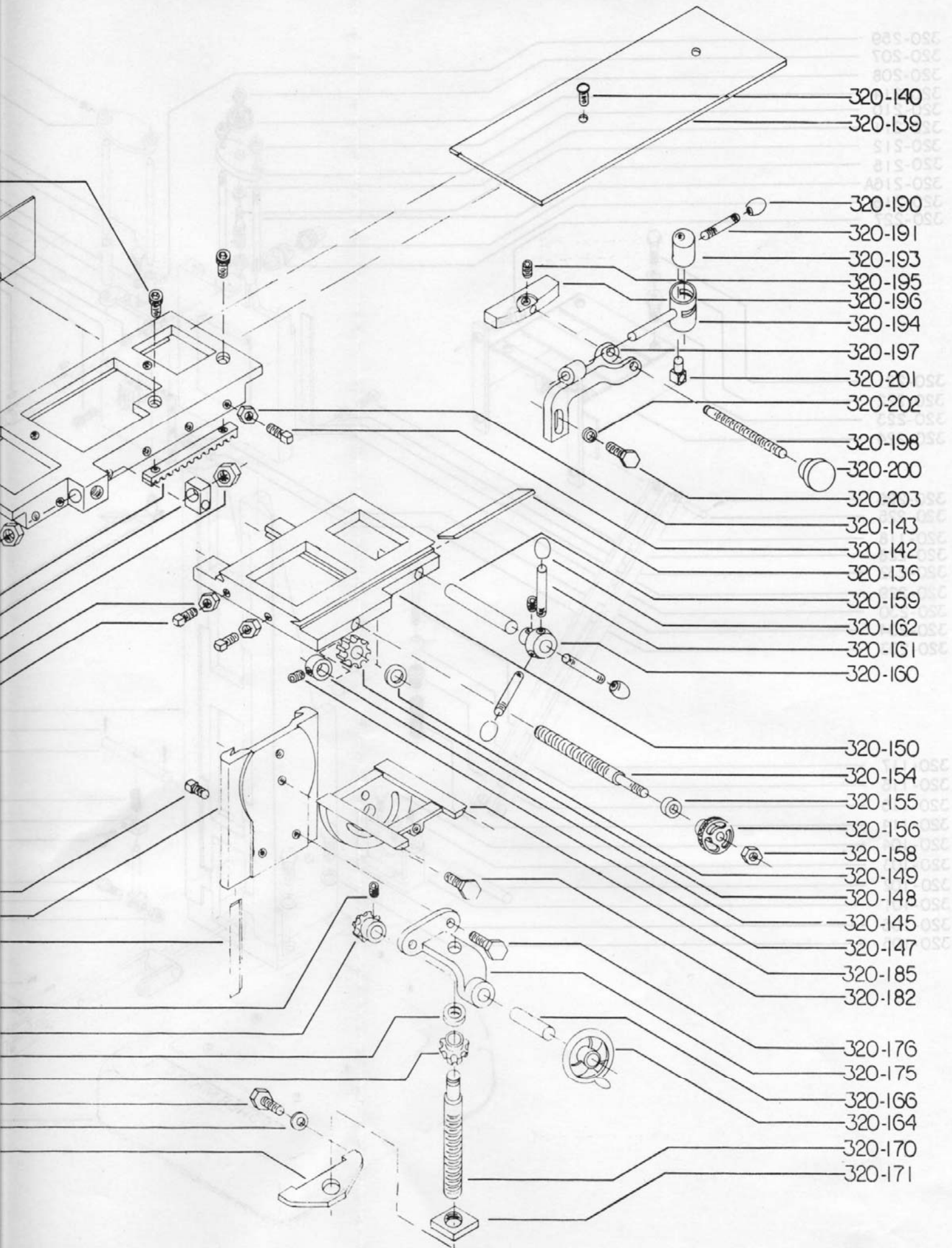
OPERATION: Do not twist or bend the chain sideways. Feed it into work easily and smoothly, avoiding traversing or lateral movement while cutting. Avoid overheating in continuous work by cooling the bearing end at intervals in light mineral oil. The gear need not be removed completely.

FOR MATERIALS OTHER THAN WOOD, CONSULT US FOR SPEED RECOMMENDATIONS.

**SHARPENING
CHAIN:**

Care should be taken to be sure that the chain is kept properly sharpened. Be sure that all cutting teeth are kept the same length or else chain will run rough causing slapping and excessive strain on the chain. If the chain is operated dull, undue pressure and extreme heat will cause bearing failure. For best performance, we recommend the use of a special Mortise Chain Grinder.



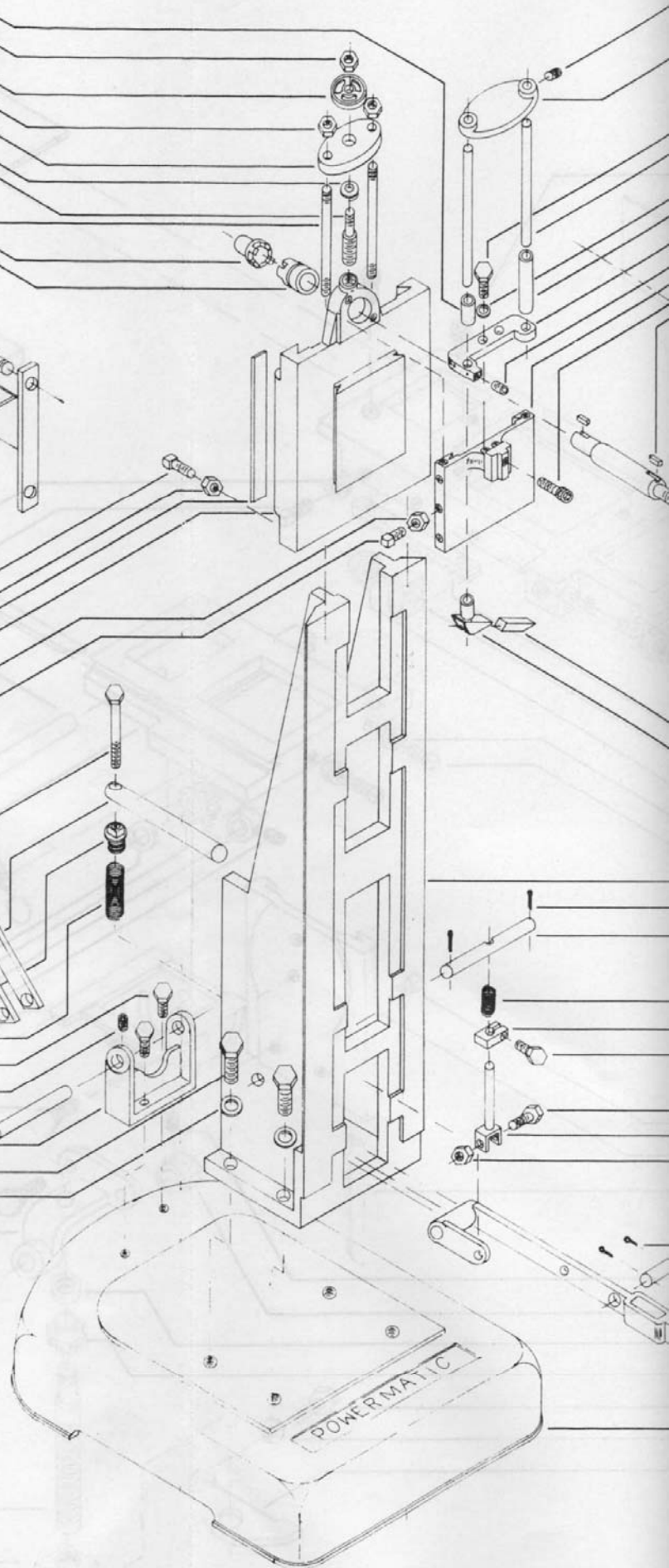


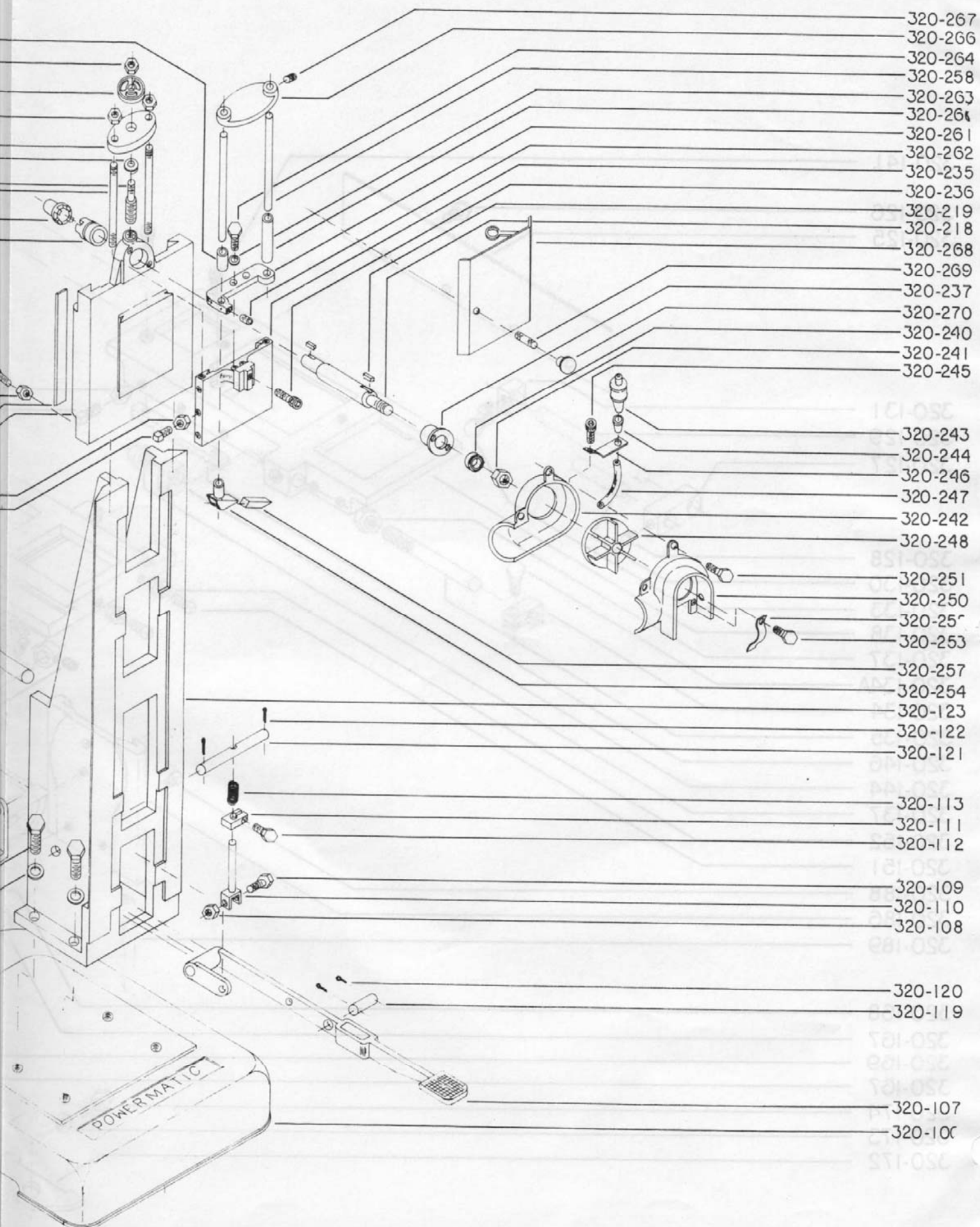
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320-232
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320-230
320-234
320-233

320-117
320-116
320-115
320-114
320-104
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320-102
320-101
320-106
320-105





POWERMATIC INC.**Model 15 Chain Saw Mortiser***State Mortiser Serial Number When Ordering Parts***PARTS LIST**

		No.
320-100	Base, Mortiser	1
320-101	Anchor, foot pedal	1
320-102	Pin, Foot pedal anchor	1
320-103	Set Screw, Foot pedal anchor pin	1
320-104	Cap Screw, foot pedal anchor, 7/16" x 1 1/4"	2
320-105	Lock Washer, Column mounting screw	4
320-106	Cap Screw, Column mounting, 1/2" x 1 1/2"	4
320-107	Foot Pedal	1
320-108	Nut, head stop clevice screw	1
320-109	Cap Screw, head stop clevice 3/8" x 1 3/4"	1
320-110	Clevice, head stop	1
320-111	Stop, head adjusting	1
320-112	Cap screw, head stop adjusting, 3/8" x 3/4"	1
320-113	Spring, head stop adjusting	1
320-114	Spring, foot pedal	1
320-115	Nut, foot pedal spring	1
320-116	Rod, foot pedal spring	1
320-117	Screw, spring tension adjusting	1
320-118	Bar, head linkage	2
320-119	Pin, head linkage bar	1
320-120	Cotter Key, Head linkage bar pin	2
320-121	Pin, head adjusting spring stop	1
320-122	Cotter Key, head adjusting spring stop pin	2
320-123	Column, main	1
320-124	Set screw, foot pedal spring rod	1
320-125	Fence, table	1
320-126	Screw, Fence mounting, 3/8" x 3/4"	5
320-127	Block, stop rod	1
320-128	Set Screw, stop rod block, 5/16" x 1/2"	2
320-129	Rod, Stock stop, 19"	1
320-130	Rod, stock stop, 8"	8
320-131	Bracelet, stock stop mounting	1
320-132	Set Screw, Stock stop bracelet, 5/16" x 3/4"	1
320-133	Cap Screw, stock stop bracelet mounting, 5/16" x 1 1/4"	2
320-134	Stop, table travel	2
320-135	Rod, table travel stop	1
320-136	Shim, table	1
320-137	Nut, table travel stop rod, 1/2"	2
320-138	Table	1
320-139	Cover, table (Wood)	1
320-140	Screw, table cover, 1/4" x 1" Flat Head	2
320-141	Screw, Rack, 1/4" x 1/2"	2
320-142	Screw, Table shim, 5/16" x 7/8"	1
320-143	Nut, table shim screw, 3/8"	1
320-144	Hanger, table travel stop rod	1
320-145	Collar, rack pinion shaft	1
320-146	Rack, table	1
320-147	Set Screw, Pinion, 7/16" Allen	1
320-148	Pinion, table travel rack	1
320-149	Washer, rack pinion shaft	1
320-150	Slide, compound table	1
320-151	Set Screw, Compound slide, 5/16" x 1 1/2"	3

	No.
320-152 Nut, compound slide set screw, 5/16"	1
320-153 Shim, compound slide	1
320-154 Screw, horizontal adjusting	1
320-155 Thrust bearing, Horizontal adjusting screw	1
320-156 Handwheel, Horizontal adjusting screw	1
320-157 Set Screw, handwheel	1
320-158 Nut, handwheel lock	1
320-159 Shaft, rack pinion operating	1
320-160 Hub, table operating turret	1
320-161 Handle, turret	3
320-162 Knob, turret handle	3
320-163 Set screw, table operating turret knob	1
320-164 Handwheel, table raising	1
320-165 Set Screw, table raising handwheel	1
320-166 Shaft, table raising pinion	1
320-167 Gear, table screw miter	1
320-168 Set Screw, table screw miter gear, 3/8" Allen	1
320-169 Thrust Bearing, table screw	1
320-170 Screw, table raising	1
320-171 Nut, table raising screw	1
320-172 Bracket, table raising screw nut mounting	1
320-173 Lock Washer, mounting bracket, 7/16"	2
320-174 Cap screw, mounting bracket, 7/16" x 1"	2
320-175 Knee, table adjusting	1
320-176 Cap screw, table adjusting knee, 3/8" x 1 1/4"	2
320-177 Lock washer, table adjusting knee cap screw, 3/8"	2
320-178 Indicator, table tilting	1
320-179 Screw, table tilting indicator mounting, 1/4" x 1/2"	3
320-180 Scale, table tilting	1
320-181 Pin, scale mounting	3
320-182 Cap screw, swivel mounting, 3/4" x 1 1/2"	1
320-183 Cap screw, swivel lock, 1/2" x 1 1/2"	1
320-184 Lock washer, swivel lock cap screw, 1/2"	1
320-185 Swivel, table	1
320-186 Slide, table height adjusting	1
320-187 Set screw, table height adjusting slide, 3/8" x 1 1/4"	2
320-188 Cap Screw, table height adjusting shim, 5/16" x 7/8"	2
320-189 Shim, table height adjusting	1
320-190 Knob, eccentric clamp handle	1
320-191 Handle, eccentric clamp	1
320-192 Screw, eccentric clamp handle	1
320-193 Cam, eccentric	1
320-194 Guide, eccentric clamp cam	1
320-195 Set Screw, stock clamp bar	1
320-196 Bar, stock clamp	1
320-197 Bracket, eccentric clamp mounting	1
320-198 Screw, eccentric clamp adjusting	1
320-199 Set screw, handwheel, 5/16" Allen	1
320-200 Handwheel, eccentric clamp adjusting screw	1
320-201 Nut, screw adjusting	1
320-202 Washer, bracket mounting screw, 5/8"	1
320-203 Cap Screw, bracket mounting, 5/8" x 2"	1
320-204 Guard, coupling	1
320-205 Cap screw, coupling guard, 5/16" x 1/2" Hex head	2
320-206 Lock Washer, cap screw, 5/16"	2
320-207 Nut, bar slide adjusting screw, 1/2"	1
320-208 Handwheel, bar slide adjusting	1
320-209 Set screw, bar slide adjusting handwheel, 5/16" Allen	1
320-210 Bracket, bar slide adjusting	1
320-211 Thrust bearing, bar slide adjusting screw, 1/2"	2

	No.
320-212 Screw, bar slide adjusting	1
320-213 Shim, head slide adjusting	1
320-214 Nut, bar slide stud, $\frac{3}{8}$ "	2
320-215 Stud, bar slide	1
320-216 Coupling, spindle	2
320-217 Key, spindle coupling $\frac{3}{16}$ " x $\frac{3}{4}$ "	1
320-218 Spindle, head	1
320-219 Key, fan, $\frac{3}{16}$ " x $\frac{3}{4}$ "	1
320-220 Pin, sprocket, $\frac{3}{16}$ " x $\frac{5}{8}$ "	1
320-221 Cap screw, motor mount, $\frac{3}{8}$ " x 1"	4
320-222 Washer, motor mount cap screw	4
320-223 Cap Screw, motor adjusting, $\frac{5}{8}$ " x $1\frac{1}{2}$ "	4
320-224 Motor mount	1
320-225 Pin, head linkage	1
320-226 Cotter key, head linkage pin	1
320-227 Cap screw, motor bracket mounting, $\frac{3}{8}$ " x $\frac{3}{4}$ "	4
320-228 Cap screw, head shim mounting, $\frac{5}{16}$ " x $\frac{5}{8}$ "	2
320-229 Shim, stationary head	1
320-230 Slide, head	1
320-231 Set screw, shim adjusting $\frac{3}{8}$ " x $1\frac{1}{4}$ "	2
320-232 Jamb nut, set screw shim adjusting	2
320-233 Set screw, bar slide adjusting, $\frac{5}{16}$ " x $1\frac{3}{4}$ "	3
320-234 Nut, bar slide adjusting set screw, $\frac{5}{16}$ "	3
320-235 Slide, bar	1
320-236 Cap screw, bar mounting, $\frac{1}{2}$ " x $1\frac{1}{4}$ " socket head	1
320-237 Bearing housing, spindle	1
320-238 Screw, fan housing mounting, $\frac{1}{4}$ " x $\frac{5}{8}$ "	2
320-239 Screw, bearing housing mounting, $\frac{3}{8}$ " x 1" socket head	2
320-240 Bearing, spindle, 88A 1 $\frac{3}{16}$ "	2
320-241 Nut, sprocket mounting	1
320-242 Fan housing, rear section	1
320-243 Oil cup, chain lubricating	1
320-244 Ferrule, oil cup fitting	1
320-245 Screw, oil cup mounting bracket, $\frac{3}{16}$ " x $\frac{1}{2}$ "	2
320-246 Bracket, oil cup mounting	1
320-247 Tube, oil dispensing	1
320-248 Fan, blower	1
320-249 Set screw, blower fan mounting, $\frac{5}{16}$ "	1
320-250 Fan housing, front section	1
320-251 Screw, fan housing, $\frac{1}{4}$ " x $\frac{1}{2}$ " Phil. Head	3
320-252 Bracket, oil tube mounting	1
320-253 Screw, oil tube mounting bracket	2
320-254 Bracket, chipbreaker	1
320-255 Set screw, chipbreaker mounting, $\frac{1}{4}$ " Allen	1
320-256 Set screw, chipbreaker bracket mounting, $\frac{1}{4}$ " Allen	1
320-257 Chipbreaker	1
320-258 Rod, guide holddown	2
320-259 Sleeve, holddown guide rod	1
320-260 Sleeve, holddown guide rod	1
320-261 Bracket, holddown sleeve mounting	1
320-262 Set screw, holddown sleeve mounting bracket, $\frac{1}{4}$ " Allen	1
320-263 Washer, sleeve mounting bracket, $\frac{1}{4}$ "	2
320-264 Cap screw, sleeve mounting bracket, $\frac{5}{16}$ " x $1\frac{1}{2}$ "	2
320-265 Shim, bar slide	1
320-266 Holddown	1
320-267 Set screw, holddown, $\frac{1}{4}$ " Allen	2
320-268 Cover, Mortise Chain housing	1
320-269 Screw, Instruction plate mounting	4
320-270 Knob, Chain housing cover	1
320-271 Cotter Key, Chain housing cover knob	1

PARTS LIST ON MODEL 15 CHAIN SAW MORTISER

State Mortiser Serial Number When Ordering Parts

PART NO.	DESCRIPTION	NUMBER	PRICE
320-100	Base, Mortiser	1	75.00
320-101	Anchor, foot pedal	1	8.00
320-102	Pin, Foot pedal anchor	1	1.00
320-103	Set Screw, Foot pedal anchor pin	1	.15
320-104	Cap Screw, foot pedal anchor, 7/16" x 1 1/4"	2	.25 Each
320-105	Lock Washer, Column mounting screw	4	.10 Each
320-106	Cap Screw, Column mounting, 1/2" x 1 1/2"	4	.25 Each
320-107	Foot Pedal	1	8.00
320-108	Nut, head stop clevice screw	1	.10
320-109	Cap Screw, head stop clevice 3/8" x 1 3/4"	1	.10
320-110	Clevice, head stop	1	1.50
320-111	Stop, head adjusting	1	1.00
320-112	Cap screw, head stop adjusting, 3/8" x 3/4"	1	.10
320-113	Spring, head stop adjusting	1	.50
320-114	Spring, foot pedal	1	4.00
320-115	Nut, foot pedal spring	1	.75
320-116	Rod, foot pedal spring	1	.75
320-117	Screw, spring tension adjusting	1	2.25
320-118	Bar, head linkage	2	1.25 Each
320-119	Pin, head linkage bar	1	.25
320-120	Cotter Key, Head linkage bar pin	2	.10 Each
320-121	Pin, head adjusting spring stop	1	.50
320-122	Cotter Key, head adjusting spring stop pin	2	.10 Each
320-123	Column, main	1	100.00
320-124	Set screw, foot pedal spring rod	1	.10
320-125	Fence, table	1	6.00
320-126	Screw, Fence mounting, 3/8" x 3/4"	5	.10 Each
320-127	Block, stop rod	1	.50
320-128	Set Screw, stop rod block, 5/16" x 1/2"	2	.10 Each
320-129	Rod, Stock stop, 19"	1	.75
320-130	Rod, stock stop, 8"	1	.65
(320-131	Bracelet, stock stop mounting	1	1.50
(320-132	Set Screw, Stock stop bracelet, 5/16" x 3/4"	1	.10
(320-133	Cap Screw, stock stop bracelet mounting, 5/16" x 1 1/4"	2	.20 Each
320-134	Stop, table travel	2	1.50 Each
320-135	Rod, table travel stop	1	1.00
320-136	Shim, table	1	2.00
320-137	Nut, table travel stop rod, 1/2"	2	.15 Each
320-138	Table	1	20.00
320-139	Cover, table (Wood)	1	2.00
320-140	Screw, table cover, 1/4" x 1" Flat Head	2	.10 Each
320-141	Screw, Rack, 1/4" x 1/2"	2	.10 Each
320-142	Screw, Table shim, 5/16" x 7/8"	1	.15
320-143	Nut, table shim screw, 5/8"	1	.15
320-144	Hanger, table travel stop rod	1	1.00
320-145	Collar, rack pinion shaft	1	1.00
320-146	Rack, table	1	8.50
320-147	Set Screw, Pinion, 7/16" Allen	1	.10
320-148	Pinion, table travel rack	1	6.00

Page 2 PARTS LIST ON MODEL 15 CHAIN SAW MORTISER

State Mortiser Serial Number When Ordering Parts

PART NO.	DESCRIPTION	NUMBER	PRICE
320-149	Washer, rack pinion shaft	1	.25
320-150	Slide, compound table	1	15.00
320-151	Set Screw, Compound slide, 5/16" x 1 1/2"	3	.15 Each
320-152	Nut, compound slide set screw, 5/16"	1	.15
320-153	Shim, compound slide	1	2.00
320-154	Screw, horizontal adjusting	1	1.50
320-155	Thrust bearing, Horizontal adjusting screw	1	1.50
320-156	Handwheel, Horizontal adjusting screw	1	2.50
320-157	Set Screw, handwheel	1	.10
320-158	Nut, handwheel lock	1	.25
320-159	Shaft, rack pinion operating	1	2.00
320-160	Hub, table operating turret	1	2.00
320-161	Handle, turret	3	.50 Each
320-162	Knob, turret handle	3	.50 Each
320-163	Set screw, table operating turret knob	1	.15
320-164	Handwheel, table raising	1	3.50
320-165	Set Screw, table raising handwheel	1	.15
320-166	Shaft, table raising pinion	1	2.00
320-167	Gear, table screw miter	1	3.50
320-168	Set screw, table screw miter gear, 3/8" allen	1	.10
320-169	Thrust Bearing, table screw	1	2.00
320-170	Screw, table raising	1	4.00
320-171	Nut, table raising screw	1	2.00
320-172	Bracket, table raising screw nut mounting	1	6.00
320-173	Lock Washer, mounting bracket, 7/16"	2	.10 Each
320-174	Cap screw, mounting bracket, 7/16" x 1"	2	.15 Each
320-175	Knee, table adjusting	1	7.50
320-176	Cap screw, table adjusting knee, 3/8" x 1 1/4"	2	.15 Each
320-177	Lock washer, table adjusting knee cap screw	2	.10 Each
320-178	Indicator, table tilting	1	.25 Each
320-179	Screw, table tilting indicator mounting, 1/4" x 1/2"	3	.10 Each
320-180	Scale, table tilting	1	1.00
320-181	Pin, scale mounting	3	N/C
320-182	Cap screw, swivel mounting, 3/4" x 1 1/2"	1	.50
320-183	Cap screw, swivel lock, 1/2" x 1 1/2"	1	.50
320-184	Lock washer, swivel lock cap screw, 1/2"	1	.25
320-185	Swivel, table	1	8.00
320-186	Slide, table height adjusting	1	8.00
320-187	Set screw, table height adjusting slide, 3/8" x 1 1/4"	2	.15 Each
320-188	Cap Screw, table height adjusting shim, 5/16" x 7/8"	2	.15 Each
320-189	Shim, table height adjusting	1	1.50
320-190	Knob, eccentric clamp handle	1	.50
320-191	Handle, eccentric clamp	1	.50
320-192	Screw, eccentric clamp handle	1	.10
320-193	Cam, eccentric	1	3.50
320-194	Guide, eccentric clamp cam	1	1.50
320-195	Set Screw, stock clamp bar	1	.10
320-196	Bar, stock clamp	1	1.50
320-197	Bracket, eccentric clamp mounting	1	4.50

State Mortiser Serial Number When Ordering Parts

PART NO.	DESCRIPTION	NUMBER	PRICE
320-198	Screw, eccentric clamp adjusting	1	3.00
320-199	Set screw, handwheel, 5/16" allen	1	.15
320-200	Handwheel, eccentric clamp adjusting screw	1	1.00
320-201	Nut, screw adjusting	1	2.00
320-202	Washer, bracket mounting screw, 5/8"	1	.25
320-203	Cap Screw, bracket mounting, 5/8" x 2"	1	.25
320-204	Guard, coupling	1	2.00
320-205	Cap screw, coupling guard, 5/16" x 1/2" Hex head	2	.15 Each
320-206	Lock Washer, cap screw, 5/16"	2	.10 Each
320-207	Nut, bar slide adjusting screw, 1/2"	1	.15
320-208	Handwheel, bar slide adjusting	1	1.00
320-209	Set screw, bar slide adjusting handwheel, 5/16" allen	1	.15
320-210	Bracket, bar slide adjusting	1	1.00
320-211	Thrust bearing, bar slide adjusting screw, 1/2"	2	2.00 Each
	Eccentric Clamp Complete	1	15.00
	Guide Rail Stops (Stock)	1	1.50
	Motor Coupling	1	2.20
320-212	Screw, bar slide adjusting	1	.15
320-213	Shim, head slide adjusting	1	.50
320-214	Nut, bar slide stud, 3/8"	2	.15 Each
320-215	Stud, bar slide	1	.30
320-216	Coupling, spindle	2	8.00 Each
320-217	Key, spindle coupling 3/16" x 3/4"	1	.25
320-218	Spindle, head	1	6.50
320-219	Key, fan, 3/16" x 3/4"	1	.25
320-220	Pin, sprocket, 3/16" x 5/8"	1	.15
320-221	Cap screw, motor mount, 3/8" x 1"	4	.20 Each
320-222	Washer, motor mount cap screw	4	.10 Each
320-223	Cap Screw, motor adjusting, 5/8" x 1 1/2"	4	.35 Each
320-224	Motor mount	1	8.00
320-225	Pin, head linkage	1	.50
320-226	Cotter key, head linkage pin	1	.10
320-227	Cap screw, motor bracket mounting, 3/8" x 3/4"	4	.15 Each
320-228	Cap screw, head shim mounting, 5/16" x 5/8"	2	.20 Each
320-229	Shim, stationary head	1	.50
320-230	Slide, head	1	16.50
320-231	Set screw, shim adjusting 3/8" x 1 1/4"	2	.20 Each
320-232	Jamb nut, set screw shim adjusting	2	.10 Each
320-233	Set screw, bar slide adjusting, 5/16" x 1 3/4"	3	.20 Each
320-234	Nut, bar slide adjusting set screw, 5/16"	3	.10 Each
320-235	Slide, bar	1	8.00
320-236	Cap screw, bar mounting, 1/2" x 1 1/4" socket head	1	.75
320-237	Bearing housing, spindle	1	8.00
320-238	Screw, fan housing mounting, 1/4" x 5/8"	2	.15 Each
320-239	Screw, bearing housing mounting, 3/8" x 1" socket head	2	.20 Each
320-240	Bearing, spindle, 88A 1 3/16"	2	3.50 Each
320-241	Nut, sprocket mounting	1	1.00
320-242	Fan housing, rear section	1	5.50
320-243	Oil cup, chain lubricating	1	2.00
320-244	Ferrule, oil cup fitting	1	.75

Page 4 PARTS LIST ON MODEL 15 CHAIN SAW MORTISER

State Mortiser Serial Number When Ordering Parts

PART NO.	DESCRIPTION	NUMBER	PRICE
320-245	Screw, oil cup mounting bracket, 3/16" x 1/2"	2	.10 Each
320-246	Bracket, oil cup mounting	1	.60
320-247	Tube, Oil dispinsing	1	.40
320-248	Fan, blower	1	4.50
320-249	Set screw, blower fan mounting, 5/16"	1	.10
320-250	Fan housing, front section	1	8.50
320-251	Screw, fan housing, 1/4" x 1/2" Phil. Head	3	.10 Each
320-252	Bracket, oil tube mounting	1	.50
320-253	Screw, oil tube mounting bracket	2	.10 Each
320-254	Bracket, chipbreaker	1	2.50
320-255	Set screw, chipbreaker mounting, 1/4" allen	1	.10
320-256	Set screw, chipbreaker bracket mounting, 1/4" allen	1	.10
320-257	Chipbreaker	1	.50
320-258	Rod, guide holddown	2	.60 Each
320-259	Sleeve, holddown guide rod	1	.50
320-260	Sleeve, holddown guide rod	1	.50
320-261	Bracket, holddown sleeve mounting	1	2.25
320-262	Set screw, holddown sleeve mounting bracket, 1/4" allen	1	.10
320-263	Washer, sleeve mounting bracket, 1/4"	2	.10 Each
320-264	Cap screw, sleeve mounting bracket, 5/16" x 1 1/2"	2	.20 Each
320-265	Shim, bar slide	1	1.50
320-266	Holddown	1	7.50
320-267	Set screw, holddown, 1/4" allen	2	.10 Each
320-268	Cover, Mortise Chain housing	1	2.00
320-269	Screw, Instruction plate mounting	4	N/C
320-270	Knob, Chain housing cover	1	.50
320-271	Cotter Key, Chain housing cover knob	1	.10
	M-12-Casting	1	8.50