POITRAS JOINTER 305mm (12")
MODEL 4800

Made of high quality castings this jointer is accurately machined to give trouble-free operation. It is build to meet the requirements of industrial shops, sash and door plants and vocational schools.

So take a few moment and read the following lines to get the maximum efficiency from your new machine.

INSTALLATION

Your jointer is shipped in a wooden crate and wrapped in waterproof plastic. Remove the crate and bolts that hold it to the crate and take away the polythene sheet.

The surface of the tables, fence and mechanisms have been covered with grease to prevent rusting. This grease should be cleaned off with a mild solvent, never use a paint solvent.

It is most important that the machine be carefully levelled both lengthwise and crosswise. Also check that equal pressure is applied on each corner in order to eliminate vibration.

POWER REQUIRED

For average work and steady production a 3 H.P. motor will be sufficient to drive this machine. So the recommended motor is 3 H.P. 1725rpm. if used with supplied pulleys and belts.

*** N.B. ALL PARTS NUMBERS MENTIONNED REFER TO DRAWING ***

*** Always contact your "Poitras" dealer for information on any of our machines. Always quote your machine serial number when ordering parts.***

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SPEED

For standard motor of 1725rpm. the 3 VA 9" standard pulley should be used to give to the cutter-head a speed of 4400rpm. which we recommend as satisfactory. No benefit will be noticeable by running the cutter-head to higher speed, except that the life of the bearings would be shortened considerably and repairs will not be covered by warranty. Be sure that the motor runs in the right direction, that is, the cutter-head must revolve to-wards the front table, if not, reverse the rotation according to the instructions accompanying the motor. Howerver that should be done by your electrician.

TABLE ADJUSTMENT

This jointer leaves the factory completely adjusted and ready to operate, however a check up is recommended first to familiarize yourself with the machine and second to be sure that everything is in order.

Total length of tables is 1829mm (72"). The working surfaces are precision ground and insure a perfect and fast truing of the wood pieces.

The front table has been designed to allow rabbeting or tenonning.

The rear table is machined to give a rabbeting capacity of 19.05mm (3/4").

The rear table should be adjusted fairly tight as it rarely moves. If too loose or too tight, loosen the locknuts and adjust the screws on the back side of the machine and then lock in place.

You will not have to adjust the back table very often as it is fixed almost all the time. The front table however is used frequently and should be adjusted sometimes . As it will move very often, care should be taken that the front table is not loose on it slides as it will make it difficult to plane true work and also permit dust to get in the slides and throw your table out of alignment.

An execessive weight should never be placed at the end of the tables because it could produce the ends to bend down, this would not be covered by warranty. Always use support table for extra long and heavy materials for the same reason.

KNIVES-ADJUSTMENT

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KNIVES-ADJUSTMENT

Accurate work is possible only when the knives in the cutter-head are parallel to the rear table and project equally from the cutter-head.

To check the adjustment procced as follows: Raise the rear table until it is flush with the base at the slide. Place two straight edges on the rear table extending over the cutter-head then rotate the cutter-head by hand, the knives should just touch the straight edges.

If a knife is too high or too low at either end loosen the screws that hold it. With the special key supplied with the machine, the knife can be pried up or tap down until it just touch the straight edges, then the screws are tightened securely. This is repeated until all knives are equal.

To obtain maximum performance, the knives must be kept sharp. If the knives are left to become too dull, the finish will sukker accordingly and a jointer with dull knives is dangerous to operate.

SETTING KNIVES

When the knives are removed, care must be used in resetting them. Make sure the machine is off during this operation. Install new knives, tighten lightly the screws and proceed the same manner as the first adjustment of your knives. Do not hurry this operation upon its accuracy depend the quality of the work the machine will do.

FENCE

The fence can be moved across the full width of the table and is held in place by tightening the far locking handle (61). It tilts to any angle desired between 90° and 45°.

To tilt the fence, it is necessary to unlock the rear handle, use a protractor to determine the degree of angle then lock in place.

The fence bracket has been made to act as a rear knife-guard by covering the part of the cutter-head that is not used behind the fence.

Fence is adjustable across table by rack and pinion to insure a perfect and controlled movement.

MAINTENANCE

- Always keep the knives sharp.
- It is very important that the knives be all exactly levelled with the rear table.
- If after a long use tables are not well adjusted tighten the woodruff key (11).
- Motor and starter are guaranted by their own manufacturer which could

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MODEL: 4800

REV:

DESCRIPTION	# DESSIN DRAWING#	DESCRIPTION	# PIECE PART #	QUANT.
Rondelle de butée	1	Collar	4802	2
Poignée serr. ressort guide	2	Tight. knob fence spring	4804	1
Cylindre	3	Cylinder	4805	1
Barre de serrage pr couteaux	4	Knife holder	6037	3
Vis déplacement table arrière	5	Screw for rear table mvt	4807	1
Vis déplacement table avant	6	Screw for front table "	4808	1
Tige pivot. garde de sûreté	7	Pivot rod for saf. guard	4809	1
Chevilles pivotement du guide	8	Dowell for fence	4810	4
Boulon de serr. pour guide	9	Bolt for fence	4811	1
Douille pour cylindre	10	Cylinder sleeve	4812	1
Clef pour coulisse	11	Woodruff key	4813	2
Chute à copeaux	12	Rip chute	4814	1
Tige pr glissement guide(règle)	13	Sliding rod fence(rule)	4815	1
" " " " (crémaill)	14	" " " (rack)	4816	1
Pignon d'engrenage droit	15	Pinion (right)	4817	1
Tôle recouvrement du cylindre	16	Metal sheet cov. cyl.	4818	1
Arbre pr volant de la table	17	Handwheel shaft	4819	1
Bati principal	18	Main frame	4820	1
Coulisse pour table avant	19	Front table slide	4821	1
Coulisse pour table arrière	20	Rear table slide	4822	1
Table avant	21	Front table	4823	1
Support de la table	22	Table bracket	4824	1
Table arrière	23	Rear table	4825	1
Boîte à billes (droite)	24	Bearing case (right)	4826	1
Boîte à billes (gauche)	25	Bearing case (left)	4827	1
Couv. boîte à billes droite	26	Bearing case cover (r)	4828 - 1	1
Couv. boîte à billes gauche	27	Bearing case cover (l)	4829 - 1	1
Boîte à vis pr monter table	28	Screwing block	4830	2
Moyeu supp. arbre roue à main	29	Upper shaft for handwheel	4831	1
Guide	30	Fence	4832	1
Base du guide	31	Fence base	4833	1
Joint centre pivot du guide	32	Joint for fence pivot	4834	1
Pièce du bout pivot du guide	33	Brace for fence pivot	4835	2
Support glissement du guide	34	Fence sliding bracket	4837	1
Poulie du cylindre	35	Cylinder pulley	4838	1
Poulie du moteur	36	Motor pulley	4839	1
Pièce du bout pr tige (guide)	37	Cap for rods (fence)	4840	1
Base d'acier (assemblée)	38	Steel base assembly	4801	1
Porte de la base	42	Door	4845	1
Bloc pr tige support moteur	43	Block for motor brack.rod	4847	2
Garde de sûreté pr cylindre	44	Cylinder safety guard	4848	1
Roue à main pour table	45	Handwheel for table	4849	1
Volant pour table arrière	46	Handwheel for rear table	4850	1
Segment de cercle	47	Circle segment	4851	2
Rondelles pr écrou des tables	48	Washer for table nut	4852	12
Capot pr engrenage conique	49	Cover for bevel gear	4853	1
Garde pr courroie du moteur	50	Belt guard	4854	1
Pignon d'engrenage conique	51	Pinion	4855	1
Couronne d'engrenage conique	52	Gear	4856	1
Tige supérieur	53	Stud	4857	1
Tige inférieur	54	Stud	4858	1
Tige ajust. support moteur	55	Stud for motor bracket	4859	2
Tige pour support moteur	56	Rod for motor bracket	4860	2
Collet de butée supp. moteur	57	Motor bracket collar	4861	2
Collet pour vis de table	58	Washer	4862	1

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DESCRIPTION	# DESSIN DRAWING#	DESCRIPTION	#PIECE PART #	QUANT.	
Collet butée pr arbre pignon	59	Collar	4863	1	
Poignée déplacement du guide	60	Handle for fence	4864	1	
Poignée de serrage	61	Handle	4637	1	
Poignée de serrage	62	Handle	3842-1	1	
Ecrou de blocage (gauche)	63	Jam nut	4867	1	
Faux couteau table arrière	67	Cutterhead table edge	4871	1	
Faux couteau table avant	68	Cutterhead table edge	4872	1	
Bride pour support moteur	69	Motor bracket spacer	4873	2	
Clef 3/16"x3/16"x3/4"	70	Key 3/16"x3/16"x3/4"	6128	1	
Clef 3/16"x3/16"x1 1/2"	71	Key 3/16"x3/16"x1 1/2"	4875	1	
Poignée tar. 5/16"-18	72	Handle tar. 5/16"-18	101-B	1	
Aiguille indicatrice	74	Indicator	12047	1	
Barrure de porte	75	Door lock	4660	1	

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REV:

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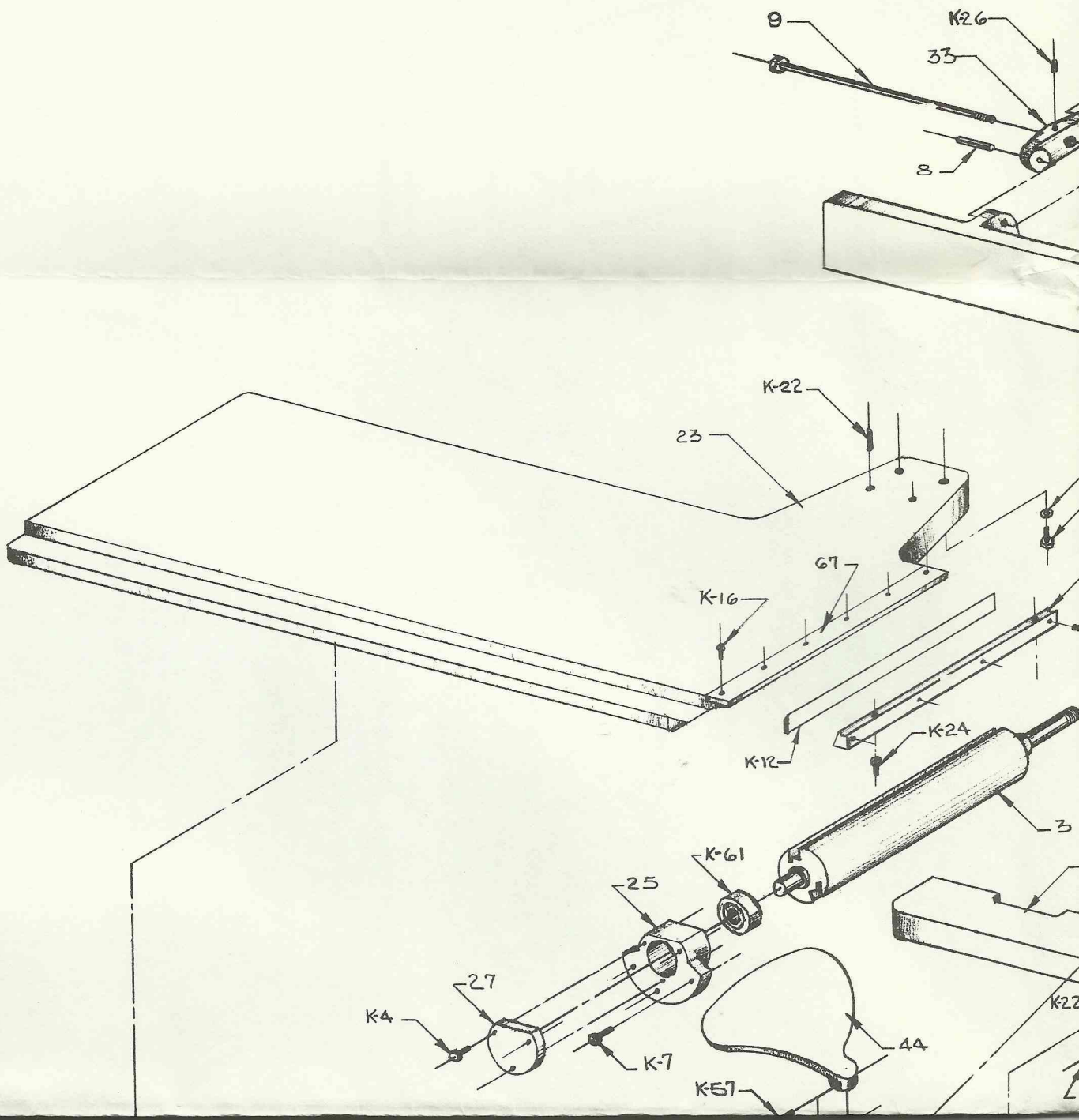
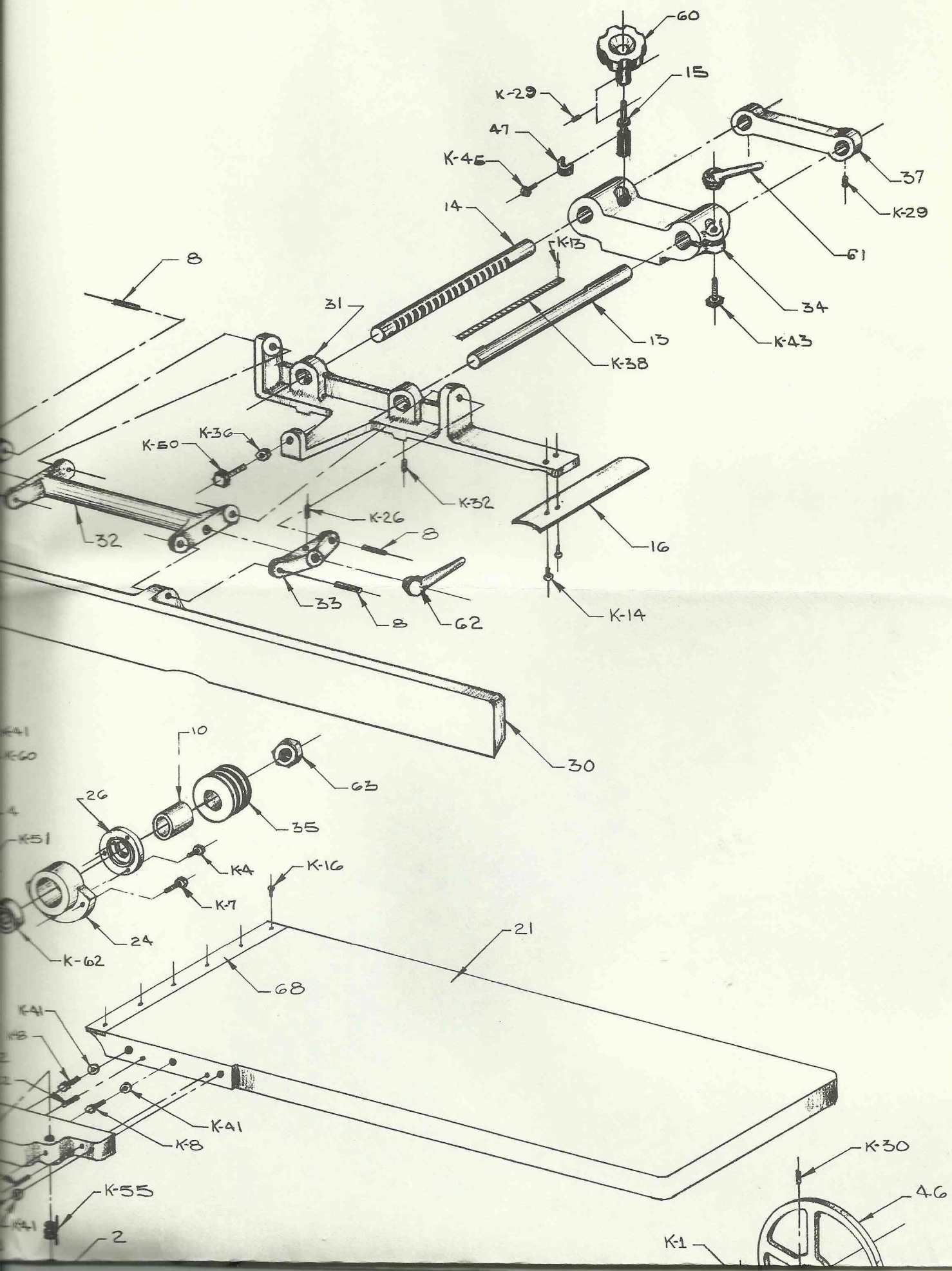
Graisseur droit	K-1	Grease fitting	6009	1
	K-2			
	K-3			
Boulon hexagonal	K-4	Hex. head cap screw	1/4"-20 x 3/4"	6
" "	K-6	" " " "	5/16"-18 x 1"	4
" "	K-7	" " " "	3/8"-16 x 1 1/4"	6
" "	K-8	" " " "	3/8"-16 x 1 1/2"	2
" "	K-9	" " " "	3/8"-16 x 2"	1
" "	K-10	" " " "	7/16"-14 x 1 1/2"	12
" "	K-11	" " " "	1/2"-13 x 1 1/2"	4
Couteaux	K-12	Knives	1 1/4" x 12 x 5/32	3
Fausse vis type "U"	K-13	Drive screw type "U"	4 x 1/4"	10
Vis tête plate	K-14	Sock. flat hd mach. sc	1/2"-24 x 1/2"	2
Vis tête plate	K-16	Sock. flat hd mach. sc	5/16"-18 x 3/4"	12
Rondelle plate	K-18	Flat washer	1/2" sae.	4
Goujon rainuré	K-19	Groove pin	1/8" x 1 3/4"	1
Goujon rainuré	K-21	Groove pin	3/16" x 1 1/2"	1
Goupille à ressort	K-22	Spring pin	1/4" x 1 1/4"	4
Goujon rainuré	K-23	Groove pin	3/16" x 1 1/4"	3
Vis tête creuse	K-24	Sock.hd cap screw	1/4"-28 x 1/2"	6
Vis de réglage	K-26	Socket set screw	1/4"-20 x 3/8"	3
" " "	K-28	" " "	1/4"-20 x 1 1/4"	12
" " "	K-29	" " "	5/16"-18 x 5/16"	4
" " "	K-30	" " "	5/16"-18 x 1/2"	7
" " "	K-31	" " "	5/16"-18 x 3/4"	2
" " "	K-32	" " "	3/8"-16 x 1/2"	2
Ecrou de blocage hexagonal	K-33	Hexagonal jam nut	1/4"-20	12
Ecrou hexagonal	K-35	Hexagonal nut	1/2"-13	6
Ecrou hexagonal	K-36	Hexagonal nut	5/16"-18	2
Graduation 0-3/4"	K-37	0-3/4" graduation		1
Graduation 0-12"	K-38	0-12" graduation		1
Plaque "POITRAS"	K-39	"POITRAS" name plate		1
Plaque no. de série	K-40	Serial number plate		1
Rondelle de blocage	K-41	Lock washer	3/8"	5
Rondelle de blocage	K-42	Lock washer	1/2"	8
Boulon tête carrée	K-43	Square head bolt	3/8" x 2 1/2"	1
	K-44	Oilite bushing	3/4" x 7/8" x 7/8"	2
Vis tête ronde	K-45	Sock. round hd mach. sc	10-24 x 1/2"	2
Rivet "POP"	K-46	Pop rivet	73-AS-64	4
Vis tête ronde	K-48	Sock. round hd mach. sc	1/4"-20 x 1/2"	2
Vis de réglage tête carrée	K-50	Square head set screw	5/16"-18 x 1 1/4"	1
Vis de réglage tête carrée	K-51	Square head set screw	5/16"-18 x 1/2"	12
Tige filetée	K-53	Stud	5/16"-18 x 2"	1
Ressort de tension	K-55	Torsion spring	4803	1
Courroie	K-56	Belt	A-60	3
Goupille à ressort	K-57	Spring pin	1/4" x 1 1/2"	1
Boulon hexagonal	K-58	Hex. head cap screw	1/2"-13 x 1"	4
Ecrou de blocage hexagonal	K-59	Hexagonal jam nut	3/8"-16	6
Boulon hexagonal	K-60	Hex. head cap screw	3/8"-16 x 1"	2
Coussinet à billes	K-61	bearing	6305-2RS	1
Coussinet à billes	K-62	bearing	6307-2RS	1
Plaque "POITRAS" 8" x 2"		Name plate 8" x 2"	1070-90	1

Dégauchisseuse
Jointer 4800

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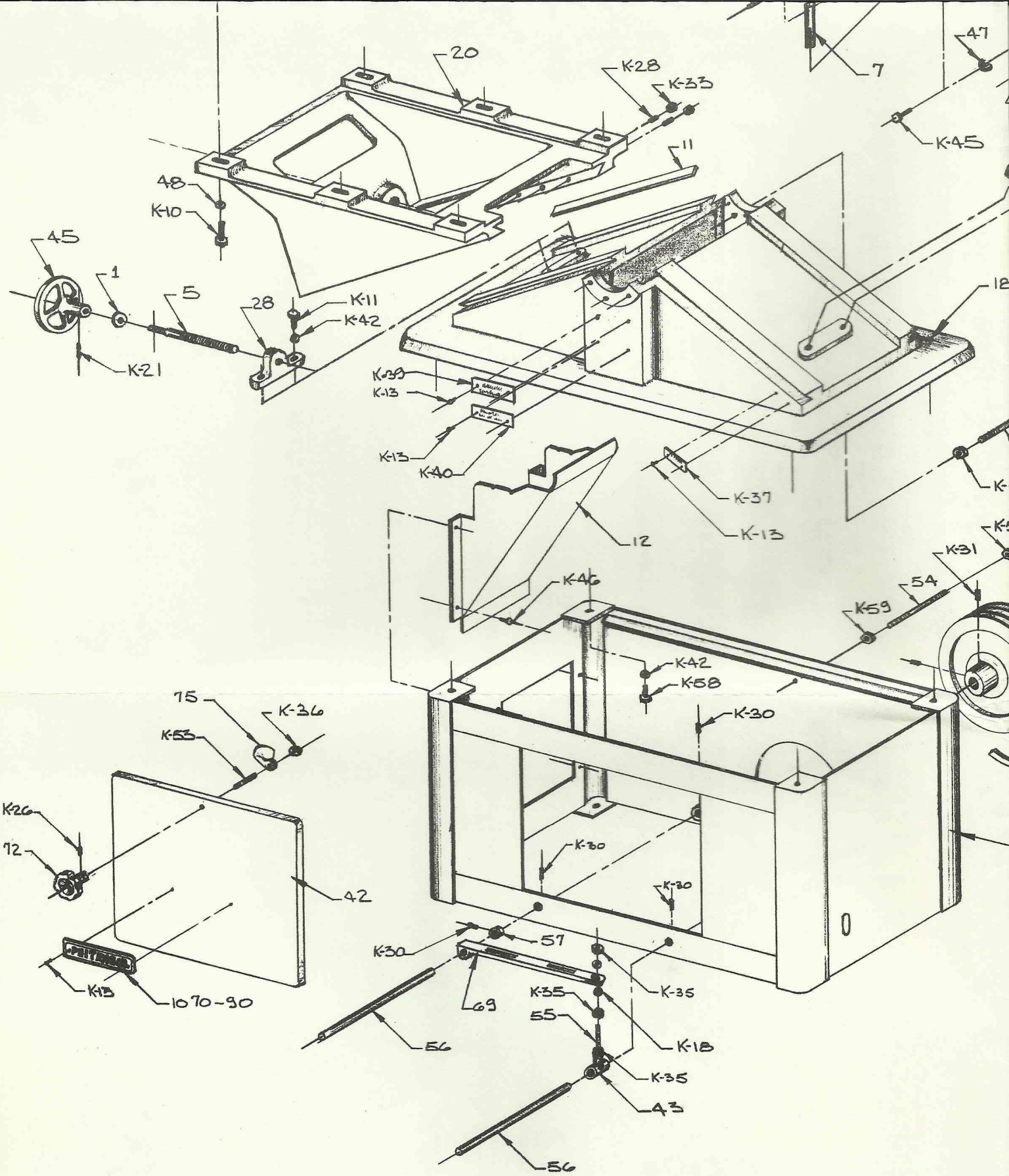
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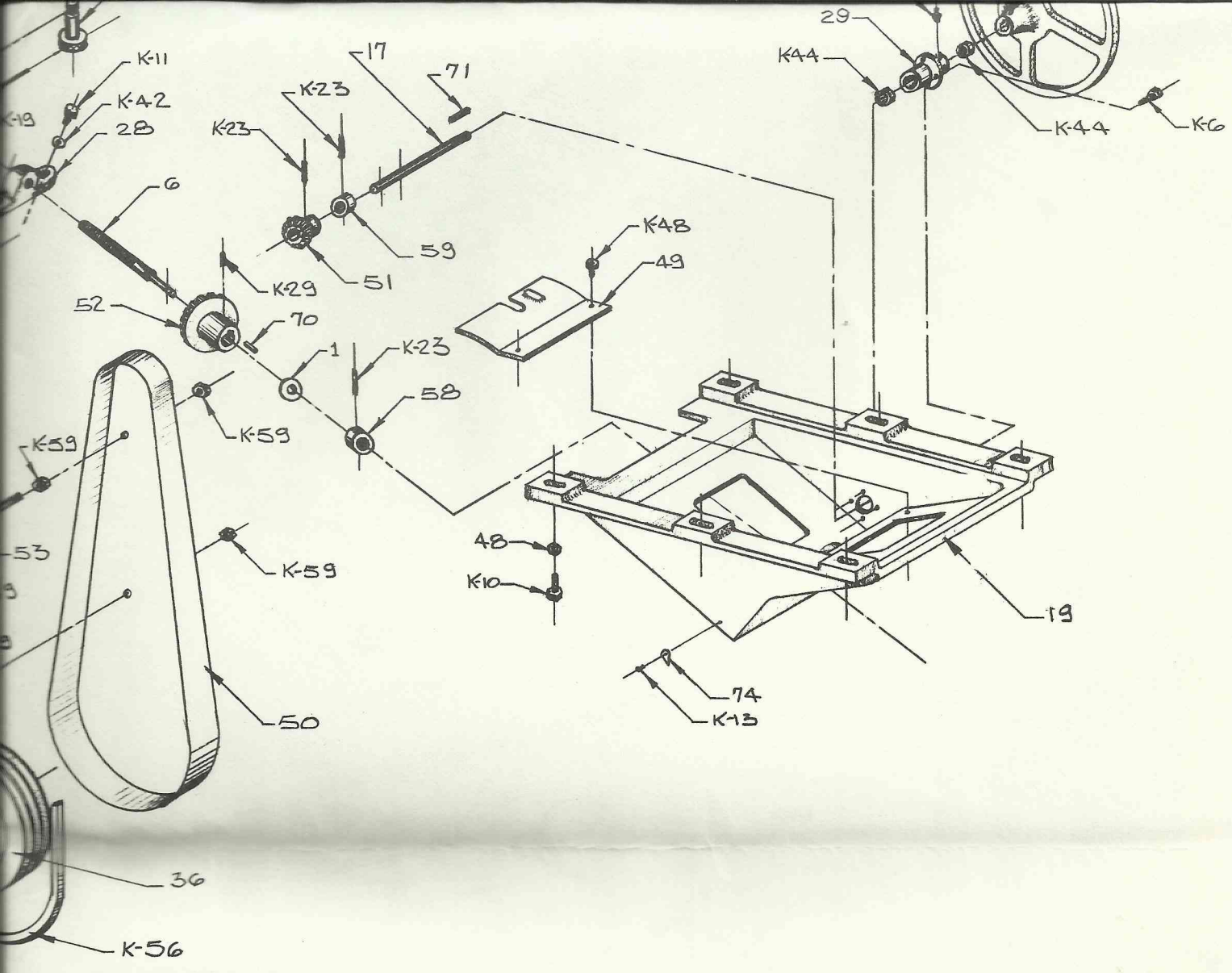
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