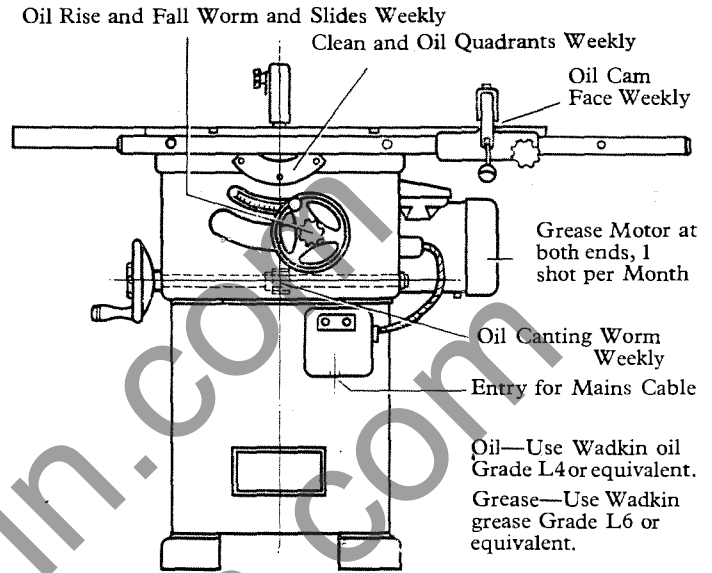
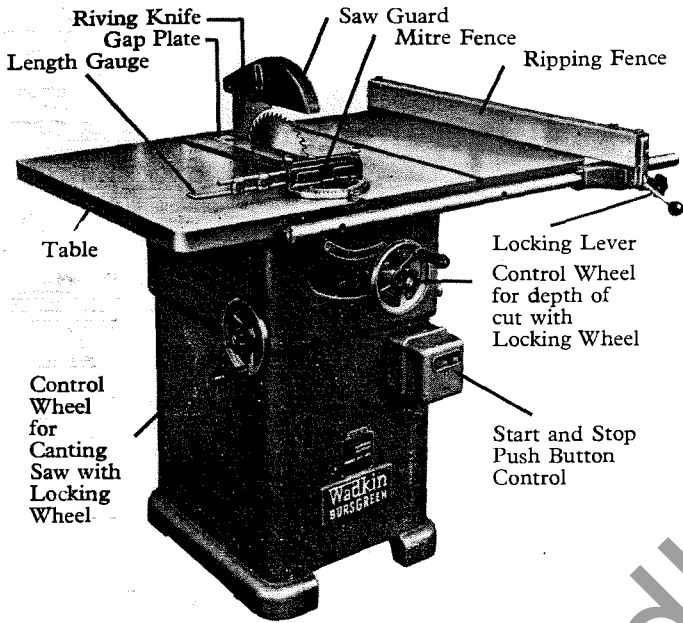


OPERATING INSTRUCTIONS AND PARTS LIST 10" AGS SAWBENCH

R 37

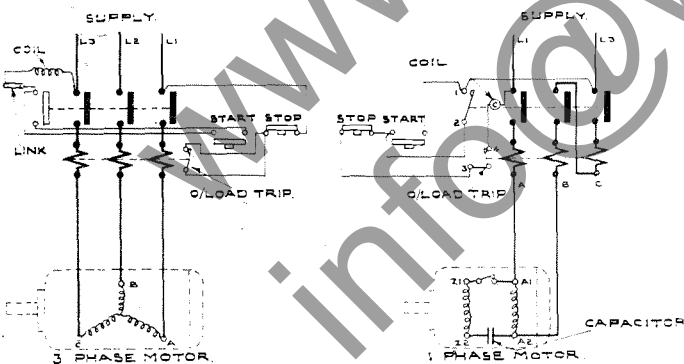


LUBRICATION DIAGRAM FOR 10" AGS

RECEIVING. Unpack and check for transit damage. Clean all coated and greased surfaces.

MOUNTING. Mount machine on firm level foundation. Locate in dry, well ventilated building.

WIRING. On three phase, bring supply cables to the terminals L1, L2, L3, in switch gear. Ensure that the direction of rotation is correct before cutting. To reverse rotation interchange L1 and L3. On single phase, bring supply cables to terminals L1 and L3. To reverse incorrect rotation interchange the two wires from the starting winding connected to terminals Z1 and Z2.



MAINTENANCE. The machine requires the minimum of attention apart from periodic cleaning and lubricating as shown in diagram.

TO FIT SAW. Swing saw guard upwards. Remove gap plate and raise saw arbor to highest position. Remove left hand threaded arbor nut and saw collar. Place ranged down saw on arbor and push up to back collar. (New saws should first be ranged down, see overleaf). Refix collar and nut, making sure that threads and faces of collars are clean and that the saw teeth point towards the front of the machine. Finally re-adjust guard.

DADO HEADS AND MOULDING CUTTER BLOCKS. Dado sets for grooves up to $\frac{3}{8}$ " wide, can be used in place of the saw, also circular cutterblocks $4\frac{1}{2}$ " diam. \times $\frac{3}{4}$ " wide. They are attached to the arbor in the same way as a saw except that a knurled locking nut is used instead of the saw collar and nut. The knurled locking nut should be ordered with the cutterblock or dado head. An aluminium table insert suitable for use with these tools can also be supplied.

MOTOR AND DRIVE. The saw is driven by three vee belts from the motor. Belt tension is adjusted by slackening the 4 bolts securing the motor platform and lowering the motor in the slots provided.

SAW ARBOR. The $\frac{3}{8}$ " diameter saw arbor is mounted on bearings requiring no lubrication.

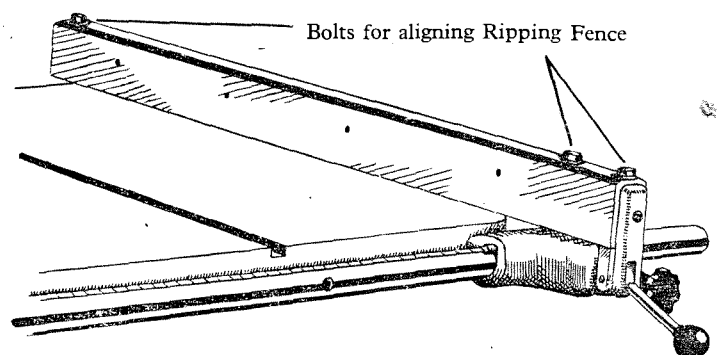
SAW ARBOR ADJUSTMENT. If the saw blade fails to align with the riving knife, the saw position may be adjusted by slackening the $\frac{1}{2}$ " whit. bolt on the side of the spindle housing, and tapping the spindle in the required direction.

SAW ARBOR REMOVAL. Remove saw and table. Release tension on belts, by slackening the four bolts securing motor platform to spindle housing, and remove belts. Working from pulley end of the spindle, unscrew the $\frac{1}{2}$ " B.S.F. nut (Right hand thread) and remove pulley B-1026/30 (Keyed to shaft). Remove adjuster bolt securing remaining spindle assembly in housing, and tap out assembly from pulley end. Care should be taken not to damage the threads on spindle end. To remove the bearings, first remove the key and then the spindle locking collar A-1026/28 by unscrewing the two Allen grub screws fastening it to the spindle. The bearings and spindle distance piece A-1026/27 can then be driven from the spindle.

BEARINGS USED :— For saw arbor SKF G-88503 (2 off)
For rise and fall HOFF EW $\frac{3}{4}$ " (1 off)

TABLE ALIGNMENT. If saw blade fails to align with mitre gauge slots, loosen 4 bolts holding the table to the main frame and move the table until the saw is parallel with the mitre gauge slot.

RIPPING FENCE ALIGNMENT. To check fence alignment, move the fence near to the edge of the mitre fence slot that is furthest away from the saw and lock. In this locked position the distance from the fence to the side of the mitre slot should be approximately $\frac{1}{32}$ " more at the rear of the table than at the front of the table, i.e. $\frac{1}{32}$ " lead off. If not correct, loosen the three screws on the top of the fence and re-align as above, re-tighten the screws.

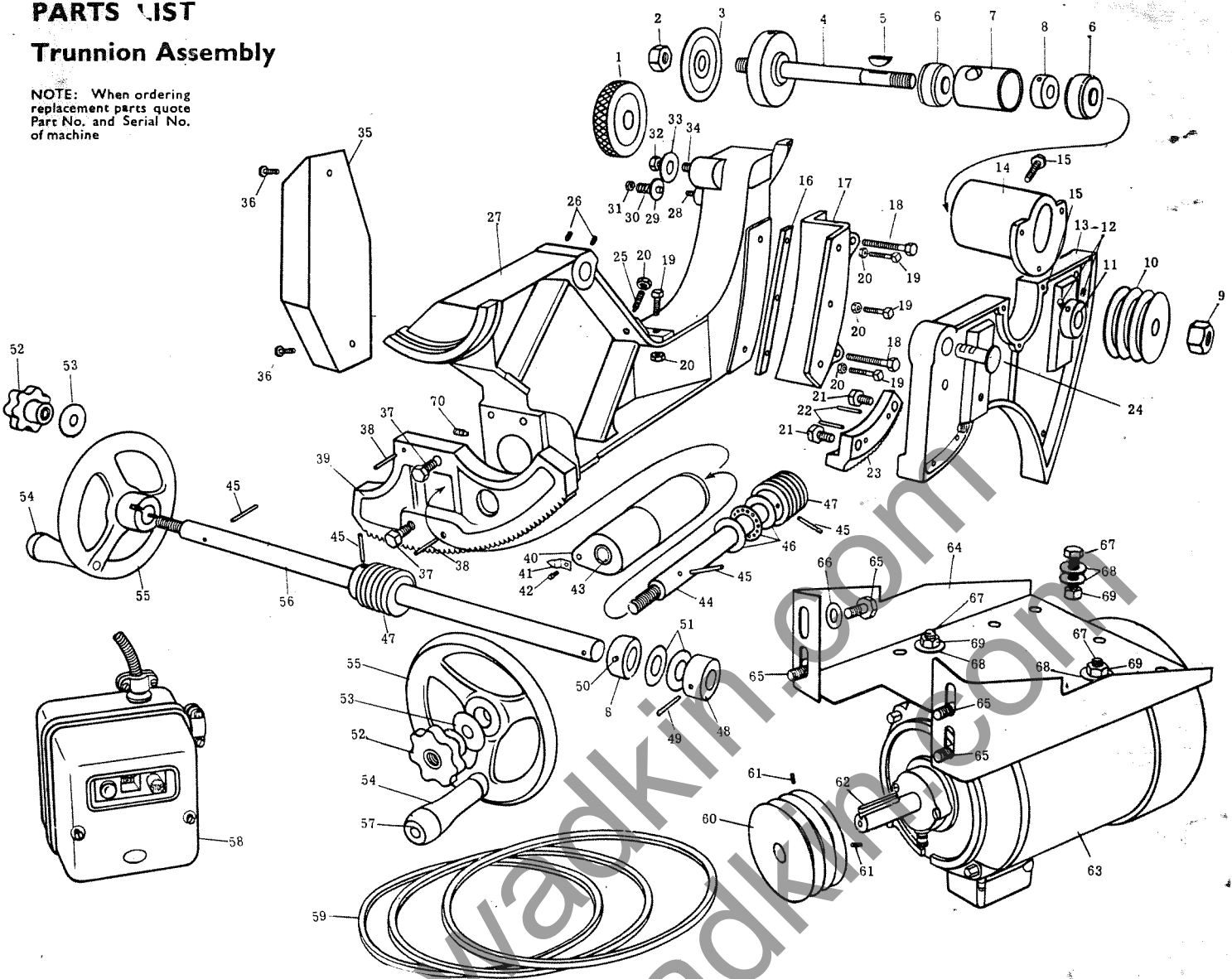


RIPPING FENCE

PARTS LIST

Trunnion Assembly

NOTE: When ordering replacement parts quote Part No. and Serial No. of machine



Ref. Part No.	No. Off.	Description
1	1026/77	1 Special nut for dado set
2	1026/34	1 Spindle lock nut
3	1026/26	1 Front saw flange
4	1026/25	1 Saw spindle
5		1 $\frac{1}{8}$ " Woodruff Key No. 90
6	G.88503 (S.K.F.)	2 Sealed for life bearings
7	1026/27	1 Spindle distance piece
8	1026/29	2 Spindle trapping collar $\frac{3}{8}$ " whit.
9		1 $\frac{3}{8}$ " B.S.F. right hand nut
10	1026/30	1 Saw spindle pulley
11	1026/28	1 Spindle locking collar
12		2 $\frac{1}{4}$ " whit. x $\frac{1}{2}$ " allen grub screw
13	1026/102	1 Slide bracket
14	1026/101	1 Spindle housing
15		4 $\frac{3}{8}$ " whit. x 1" bolt
16	1026/24	1 Motor bracket retaining strip
17	1026/9	1 Motor bracket trapping piece
18		2 $\frac{1}{8}$ " whit. x 2 $\frac{1}{4}$ " bolt
19		4 $\frac{1}{4}$ " whit. x 1" bolt Sq. Hd.
20		5 $\frac{1}{4}$ " whit. lock nut
21		2 $\frac{3}{8}$ " whit x 1" bolt
22		2 $\frac{1}{4}$ " dia. x 1" spring dowel
23	1026/14	1 Racked quadrant for rise and fall
24	1026/23	1 Slide bracket pivot pin
25		1 $\frac{1}{4}$ " whit. x $\frac{1}{4}$ " allen grub screw

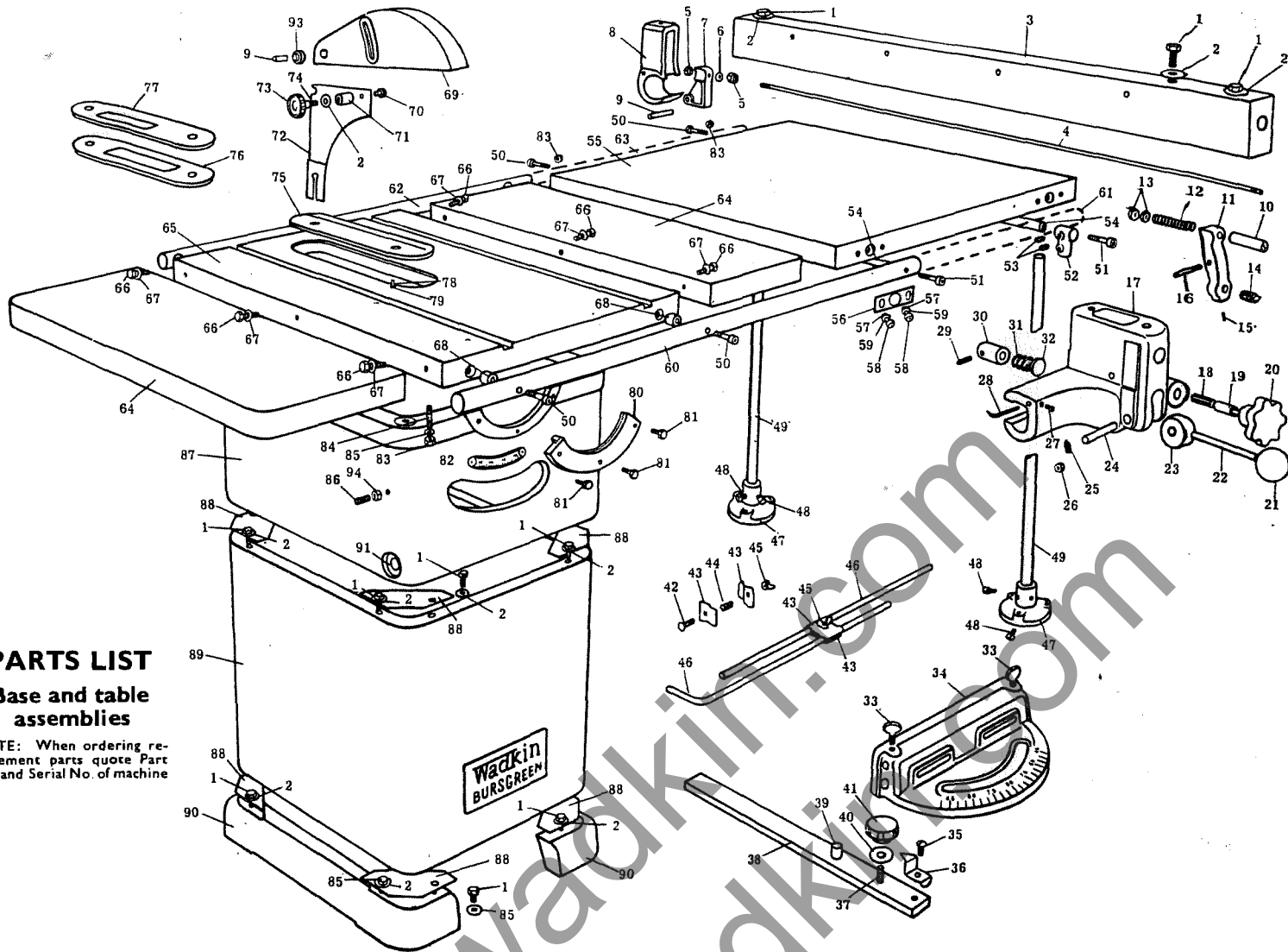
Ref. Part No.	No. Off.	Description
26		2 $\frac{1}{4}$ " gas x $\frac{1}{2}$ " allen grub screw
27	1026/2	1 Trunnion bracket
28		1 $\frac{1}{4}$ " whit. x $\frac{1}{4}$ " long stud
29	1026/62	1 Riving knife pivot
30	1026/63	1 Riving knife pivot spring
31		1 $\frac{1}{4}$ " whit. Aerotight nut
32		1 $\frac{3}{8}$ " whit. Cadmium nut
33	1026/61	1 Riving knife locking washer
34		1 $\frac{3}{8}$ " whit. x $\frac{1}{2}$ " long stud
35	1026/13	1 Chip deflector
36		2 $\frac{1}{4}$ " whit. x $\frac{1}{2}$ " bolt
37		2 $\frac{3}{8}$ " whit. x $\frac{1}{2}$ " bolt
38		2 $\frac{1}{4}$ " dia. x $\frac{1}{4}$ " spring dowel
39	1026/15	1 Racked quadrant for canting
40	1026/6	1 Rise and fall screw bearing
41	1026/72	1 Pointer
42		1 $\frac{1}{4}$ " whit x $\frac{3}{8}$ " Rd. Hd. screw
43		2 $\frac{3}{8}$ " bore x $\frac{3}{8}$ " O.D. $\frac{3}{8}$ " long Oilite bush
44	1026/20	1 Rise and fall shaft
45		4 $\frac{1}{8}$ " dia. x $\frac{1}{4}$ " spring dowel
46	E.W. $\frac{1}{2}$ (Hoff.)	1 Thrust race
47	1026/32	2 Worm
48	1026/29	1 Spindle trapping collar without $\frac{3}{8}$ " whit. hole
49		1 $\frac{1}{8}$ " dia. x $\frac{1}{4}$ " spring dowel
50		1 $\frac{3}{8}$ " whit. x $\frac{3}{8}$ " allen grub screw

Ref. Part No.	No. Off.	Description
51	1026/65	2 Canting shaft fibre washer
52	Pat. No. 14	2 2" dia. plastic handwheel $\frac{1}{4}$ " whit. T.R.T.
53	1026/22	2 Handwheel washer
54	Pat. No. 4	2 3" plastic handle
55	1026/8	2 Dished handwheel
56	1026/21	1 Canting shaft
57	S-101	2 Spindle for 3" plastic handle
58	44ADS	1 M.E.M. starter
59	2230	3 Vee ropes $\frac{3}{4}$ " wide 'M' Section. Inside lengths, 21 $\frac{1}{2}$ " 3 Ph. 50 c/s. 22 $\frac{1}{2}$ " single phase; 20 $\frac{1}{2}$ " 3 Ph. 60 c/s.
60	1026/31	1 Motor pulley
61		2 $\frac{1}{4}$ " whit. x $\frac{3}{8}$ " allen grub screw
62		1 $\frac{1}{8}$ " wide x $\frac{1}{4}$ " feather key
63		1 Brook cub motor, T.E.F.C. 3,000 r.p.m., 2 h.p., 50 cycle
64	1026/21	1 Motor pulley
65		4 $\frac{3}{8}$ " whit. x $\frac{3}{8}$ " bolt
66		4 $\frac{3}{8}$ " Cadmium washer
67		4 $\frac{1}{8}$ " whit. x $\frac{1}{4}$ " bolt
68		8 $\frac{1}{8}$ " Cadmium washer
69		4 $\frac{1}{8}$ " whit. Cadmium nut
70	1026/33	1 $\frac{1}{4}$ " gas pip screw

Telephone : Leicester 68151 (7 lines)
 Telegrams : } Woodworker, Leicester, Telex.
 Cables : }
 Telex : 34646 (Wadkin, Leicester).
 London Office :
 Brookfield House, 62-64, Brook Street, W.1.
 Telephones : MAYfair 7043 & 4.

SALES & SERVICE
Wadkin Ltd.
 Green Lane Works Leicester

BURSGREEN machines are manufactured by :
 BURSGREEN (DURHAM) LTD., Fence Houses,
 Houghton-le-Spring, Co. Durham.
 BURSGREEN (COLNE) LTD., Lodge Holme,
 Trarford, Nr. Colne, Lancs.



PARTS LIST
Base and table assemblies

OTE: When ordering replacement parts quote Part No. and Serial No. of machine

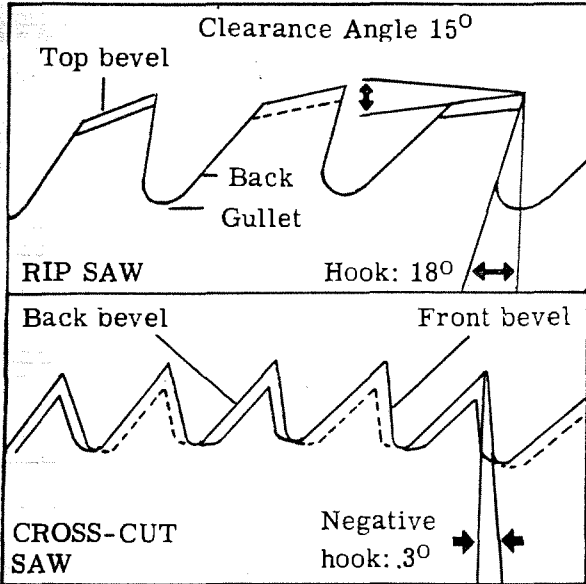
Ref. Part No.	No. Off.	Description
1	17	3/8" whit. x 1/2" bolt
2	18	3/8" Cadmium washer
3	1026/39	1 Rip fence body
4	1026/45	1 Rip fence connecting rod
5	2	1/4" whit. Aerotight nut
6	1	1/4" double coil spring washer
7	1026/37	1 Rip fence back lock
8	1026/36	1 Rip fence back bracket
9	1	1/4" dia. x 1 1/2" spring dowel
10	1026/46	1 Rip fence connecting rod nut
11	1026/38	1 Rip fence front locking lever
12	1016/95	1 Spring for fence locking bar
13	2	1/4" whit. lock nut
14	1026/44	1 Rip fence lock adj. screw
15	1	1/4" whit. x 1/2" grub allen screw
16	1026/55	1 Rip fence front locking lever pivot pin
17	1026/35	1 Rip fence front bracket
18	1026/42	1 Rip fence pinion
19	1	1/4" bore 1 1/2" O.D. 1/2" long Oilite bush
20	Patt. No. 14	1 2" plastic handwheel 1/4" bore
21	Patt. No. 28	1 1 1/2" dia. plastic ball 3/8" whit.
22	1026/53	1 Rip fence locking handle
23	1026/43	1 Rip fence cam
24	1026/56	1 Rip fence cam pivot pin
25	1026/50	1 Rip fence locking plunger pip screw
26	3	3/8" whit. lock nut
27	1	1/4" whit. x 1/2" grub allen screw
28	1026/54	1 Rip fence pointer
29	1	1/4" dia. x 1 1/2" spring dowel
30	1026/48	1 Bush for rip fence front locking plunger
31	1026/49	1 Spring for rip fence front locking plunger

Ref. Part No.	No. Off.	Description
32	1026/47	1 Rip fence front locking plunger *
33	2	1/4" whit. x 1/2" thumb screw
34	1026/67	1 Mitre fence body
35	1	1/4" whit. x 3/8" Rd. Hd. screw
36	1026/72	1 Mitre fence pointer
37	1	1/4" whit. x 1 1/2" stud
38	1026/70	1 Mitre fence tongue
39	1	1/4" dia. x 1/2" fluted dowel
40	Patt. No. 32	1 1 1/2" plastic handwheel 1/4" whit.
41	2	1/4" whit. x 1/2" coach bolt
42	1026/68	4 Mitre fence stop plates
43	1026/73	2 Mitre fence stop plate spring
44	2	1/4" whit. wing nut
45	1026/69	1 set Mitre fence stop rods
46	1026/85	2 Extension table support foot
47	1026/84	2 Extension table support leg
48	2/ ext. table	4/ std. m/c. 3/8" whit. x 1 1/2" Allen screw
49	2/ ext. table	3/8" whit. x 1 1/2" Allen screw
50	1026/99	2 Extension table tee filboe
51	4	3/8" B.S.F. x 3/8" grub screw
52	1026/83	2 Extension table tie bar
53	1026/79	1 Sheet metal extension table
54	1026/80	4 Extension table adjuster plate
55	8	1/4" whit. x 1/2" bolt
56	8	1/4" whit. nut
57	16	1/4" washer
58	1	Fence front slide bar (Std.)
59	1	Fence front slide bar (special for extension table)
60	1026/40	1 Fence back slide bar (Std.)
61	1026/81	1 Fence back slide bar (Std.)
62	1026/41	1 Fence back slide bar (Std.)
63	1026/82	1 Fence back slide bar (special for extension table)

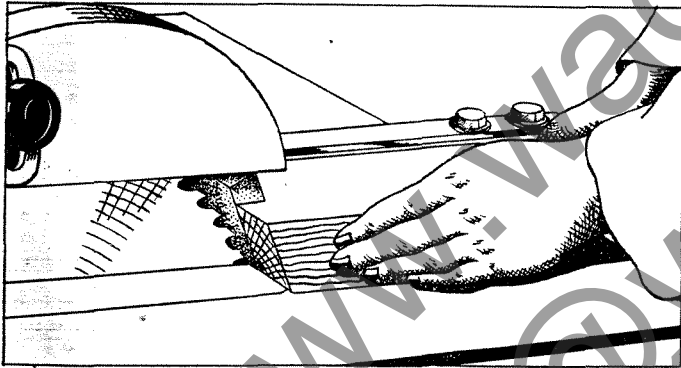
Ref. Part No.	No. Off.	Description
64	1026/5	2 Extension table (cast iron)
65	1026/4	1 Main table
66	6	3/8" whit. x 1 1/2" bolt
67	6	3/8" B.S.F. washer
68	1026/51	1 Fence bar distance piece
69	1026/58	1 Saw guard
70	1	1/4" whit. x 1/2" bolt
71	1026/60	1 Riving knife distance piece
72	1026/18	1 Riving knife
73	Patt. No. 32	1 1 1/2" plastic handwheel 3/8" whit. blind
74	1	3/8" whit. x 1/2" long stud
75	1026/16	1 Finger plate
76	1026/76A	1 Finger plate for cutterblock and wobble saw
77	1026/76B	1 Finger plate for dado set
78	4	1/4" whit. x 1/2" grub screw
79	4	1/4" whit. lock nut
80	1026/7	2 Trunnion trapping plate
81	6	1/4" whit. x 1/2" bolt
82	1026/17	1 Angle indicator rule
83	6	3/8" whit. nut
84	4	3/8" whit. x 1 1/2" long stud
85	4	3/8" washer
86	2	3/8" whit. x 1 1/2" grub screw
87	1026/1	1 Main frame
88	8	Fillet for Base
89	1026/11	1 Base
90	1026/10	2 Foot for base
91	2	1/4" bore x 1/2" O.D. 1/2" long Oilite bush
92	1	1/4" dia. x 1 1/2" spring dowel
93	1026/59	1 Saw guard pivot
94	2	3/8" whit. lock nut

SAW SHARPENING.

Do not run a saw when blunt, remove and re-sharpen. With rip saw teeth, chisel edges are needed. Sharpen by giving each tooth an equal number of strokes with a 6" or 8" second cut, mill saw file with round edges. With a cross cut saw fine points are needed with back and front bevels. Sharpen with a 6" or 8" second cut taper file.

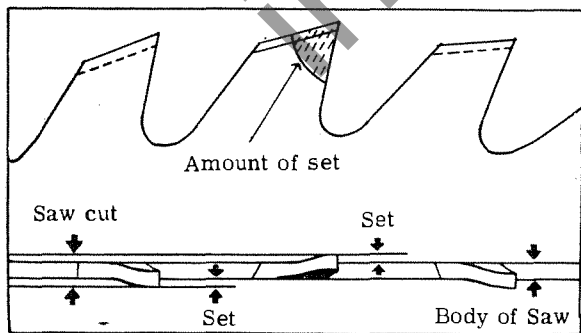


RANGING.

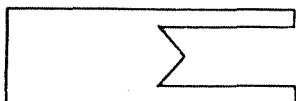


Ranging down should be done on a new saw or any saw after the 4th or 5th resharpening. Feed a square edged abrasive block (in wooden holder) lightly against the saw teeth whilst running. The saw should then be removed and the tops of the teeth filed to remove the ranging marks on the points.

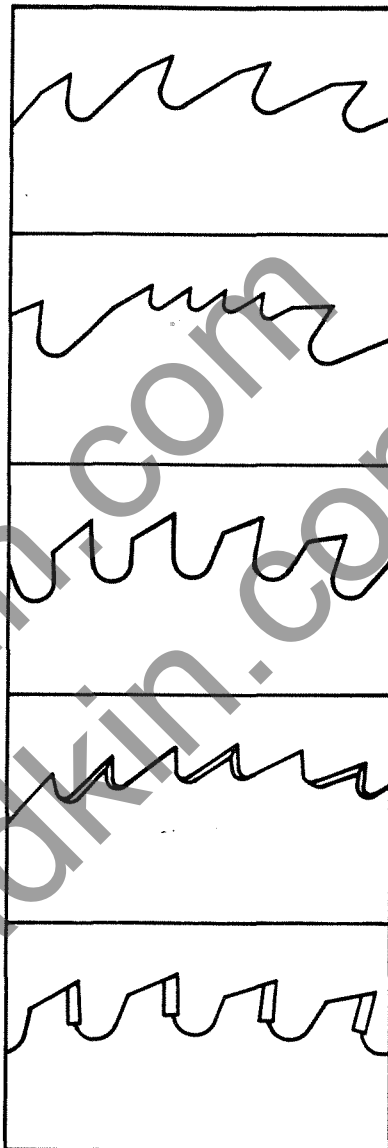
SETTING. Do not allow the set on the teeth to become worn down before resetting. To check set, cut a piece of wood a few inches as shown below when a small even triangle should be seen.



When setting, bend alternate teeth to right and left about .008" in the case of a 10" saw.



TYPES OF SAWS AVAILABLE.



QS200. A general purpose rip saw for hard or soft woods.

QS202. For cross-cutting or ripping with an exceptionally smooth finish.

QS204. As above but hollow ground.

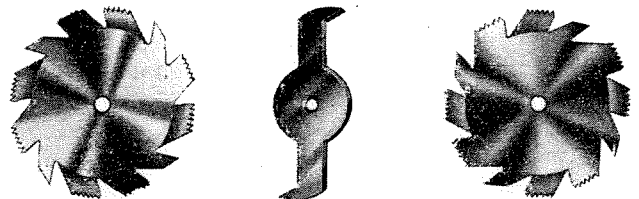
QS201. A general purpose cross-cut saw.

QS203. A general purpose hollow ground cross-cut saw.

QS173. For cutting plastic materials.

QS173T. As above with tungsten carbide tipped teeth.

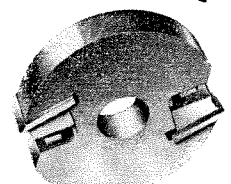
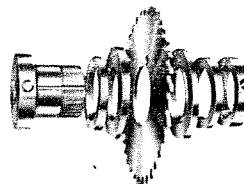
DADO HEADS. QS205.



For grooving with a smooth finish either with or across the grain. The dado cutters are available with 1/8" wide outside saws and inside cutters for grooves up to 1/8" wide

WOBBLE SAW

CUTTER BLOCK QR200



For grooves from 1/8" to 5/8" wide. Max. depth of cut 1". Use table insert 1026/76A.

Of wedge type construction the block gives moulds up to 1/4" wide.