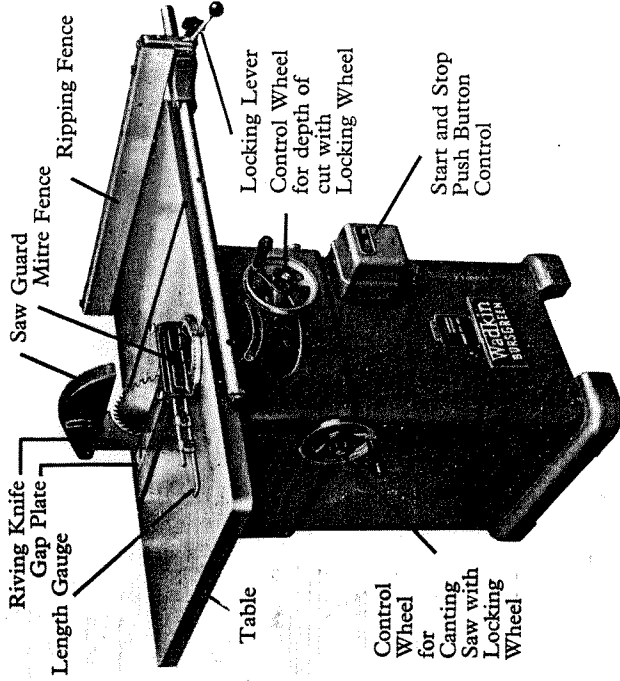
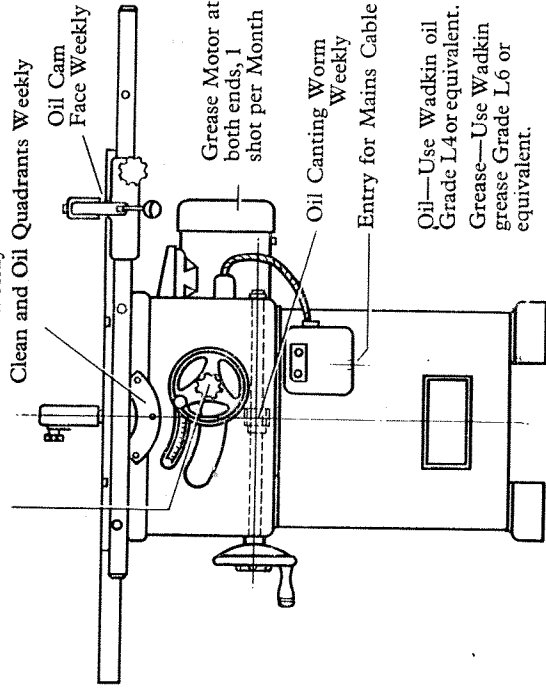


OPERATING INSTRUCTIONS AND PARTS LIST 10" AGS SAWBENCH



Oil Rise and Fall Worm and Slides Weekly



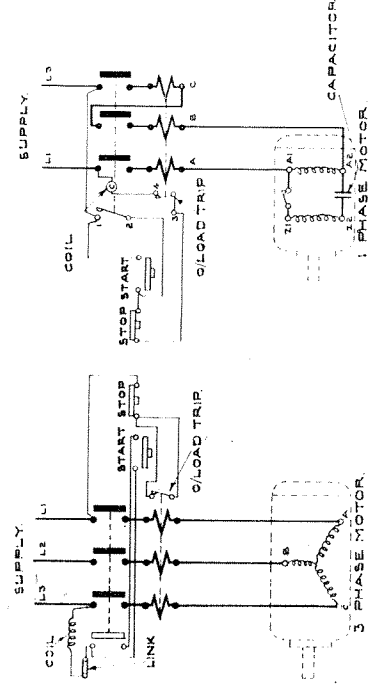
Oil—Use Wadkin oil Grade L4 or equivalent.
Grease—Use Wadkin grease Grade L6 or equivalent.

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 $4\frac{1}{8}$ " 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 $\frac{3}{8}$ " whit. bolt on the side of the spindle housing, and tapping the spindle in the required direction.

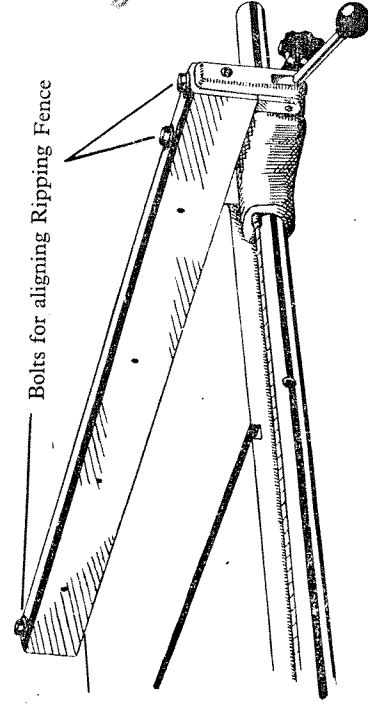
SAW ARBOR REMOVAL. Remove saw and table. Release tension on belts, by slackening the four bolts securing motor platform to spindle housing, and remove belts. Working from pulley end of the spindle, unscrew the $\frac{3}{8}$ " B.S.F. nut (Right hand thread) and remove pulley B-1026/30 (Keyed to shaft). Remove adjuster bolt securing remaining spindle assembly in housing, and tap out assembly from spindle 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 o.f) For rise and fall HOFFE 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 $\frac{3}{32}$ " more at the rear of the table than at the front of the table, i.e. $\frac{3}{32}$ " lead off. If not correct, loosen the three screws on the top of the fence and re-align as above, re-tighten the screws.

Bolts for aligning Ripping Fence

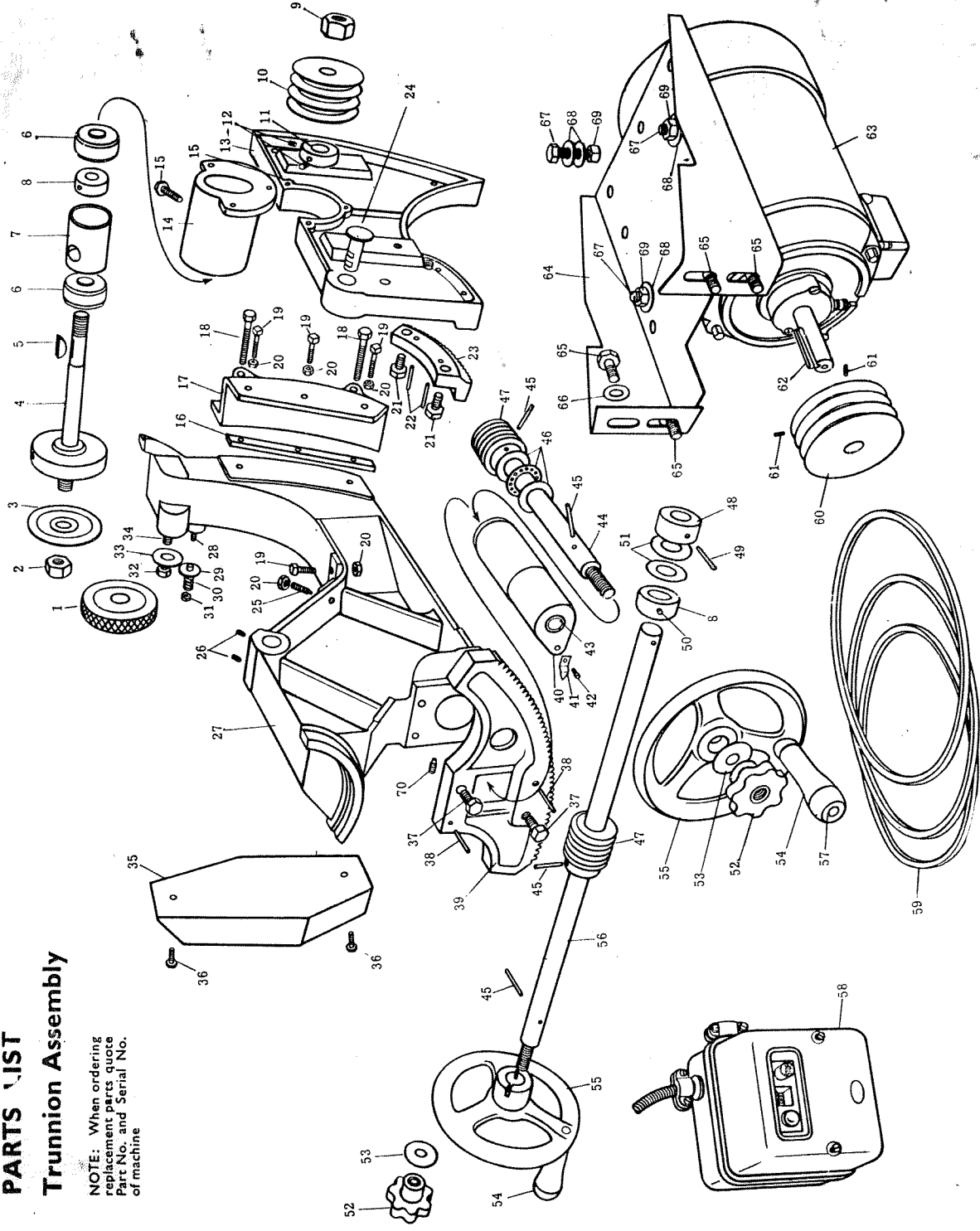


RIPPING FENCE

PARTS LIST

Trunion Assembly

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



| Ref. Part No. | No. Off. | Description | Ref. Part No. | No. Off. | Description |
|---------------|------------------|--|---------------|----------|--|
| 1 | 1026/77 | 1 Special nut for dado set | 51 | 1026/65 | 2 Canting shaft fibre washer |
| 2 | 1026/34 | 1 Spindle lock nut | 52 | 2 | 2 2" dia. plastic handwheel 1/2" whit. T.R.I. |
| 3 | 1026/26 | 1 Front saw flange | 53 | 1026/22 | 2 Handwheel washer |
| 4 | 1026/25 | 1 Saw spindle | 54 | 2 | 3" plastic handle |
| 5 | | 1 1/8" Woodruff Key No. 90 | 55 | 1026/8 | 2 Dished handwheel |
| 6 | G-88503 (S.K.F.) | 2 Sealed for life bearings | 56 | 1026/21 | 1 Canting shaft |
| 7 | 1026/27 | 1 Spindle distance piece | 57 | S-101 | 2 Spindle for 3" plastic handle |
| 8 | 1026/29 | 2 Spindle trapping collar 3/8" whit. | 58 | 44ADS | 1 M.E.M. starter |
| 9 | | 1 3/8" B.S.F. right hand nut | 59 | 2230 | 3 Vee ropes 3/8" wide 'M' Section made in U.S.A. 50 c/s, 20 1/2" single phase; 20 1/2" 3 Ph. 60 c/s. |
| 10 | 1026/30 | 1 Saw spindle pulley | 60 | 1026/31 | 1 Motor pulley |
| 11 | 1026/28 | 2 1" whit. x 1 1/2" allen grub screw | 61 | 2 | 1 1/2" whit. x 3/8" allen grub screw |
| 12 | | 1 Slide bracket | 62 | 1 | 1 1/2" wide x 1 1/2" feather key |
| 13 | 1026/102 | 1 Spindle housing | 63 | 1 | 1 Brook cub motor, T.E.F.C. 3,000 r.p.m., 2 h.p., 50 cycle |
| 14 | 1026/101 | 4 3/8" whit. x 1" bolt | 64 | 1026/21 | 1 Motor platform |
| 15 | 1026/24 | 1 Motor bracket retaining strip | 65 | 4 | 3/8" whit. x 3/8" bolt |
| 16 | 1026/9 | 2 Motor bracket trapping piece | 66 | 4 | 3/8" Cadmium washer |
| 17 | | 2 1/8" whit. x 2 1/2" bolt | 67 | 8 | 1/8" whit. x 1 1/2" bolt |
| 18 | 19 | 4 1" whit. x 1" bolt Sq. Hd. | 68 | 4 | 3/8" Cadmium washer |
| 19 | 20 | 5 1" whit. lock nut | 69 | 4 | 1/2" whit. Cadmium nut |
| 20 | 21 | 2 3/8" whit. x 1" bolt | 70 | 1026/33 | 1 1/2" gas pip screw |
| 21 | 22 | 2 1/2" dia. x 1" spring dowel | | | |
| 22 | | 1 Racked quadrant for rise and fall | | | |
| 23 | 1026/14 | 1 Racked quadrant for rise and fall | | | |
| 24 | 1026/23 | 1 Slide bracket pivot pin | | | |
| 25 | | 1 1" whit. x 1 1/2" allen grub screw | | | |
| 26 | 1026/2 | 2 1" gas x 1/2" allen grub screw | | | |
| 27 | 1026/2 | 1 Trunion bracket | | | |
| 28 | | 1 1" whit. x 1 1/2" long stud | | | |
| 29 | 1026/62 | 1 Riving knife pivot | | | |
| 30 | 1026/63 | 1 Riving knife pivot spring | | | |
| 31 | | 1 1/2" whit. Aerotight nut | | | |
| 32 | 1026/61 | 1 Riving knife locking washer | | | |
| 33 | | 1 3/8" whit. x 1 1/2" long stud | | | |
| 34 | | 1 Chip deflector | | | |
| 35 | 1026/13 | 2 1" whit. x 3/8" bolt | | | |
| 36 | | 2 3/8" whit. x 1 1/2" bolt | | | |
| 37 | | 2 1/2" dia. x 1 1/2" spring dowel | | | |
| 38 | 1026/15 | 1 Racked quadrant for canting | | | |
| 39 | 1026/6 | 1 Rise and fall screw bearing | | | |
| 40 | 1026/6 | 1 Pointer | | | |
| 41 | 1026/72 | 1 1/2" whit. x 3/8" Rd. Hd. screw | | | |
| 42 | | 2 1/2" bore x 3/8" O.D. 3/8" long | | | |
| 43 | | 1 Oilite bush | | | |
| 44 | 1026/20 | 1 Rise and fall shaft | | | |
| 45 | | 4 1/2" dia. x 1 1/2" spring dowel | | | |
| 46 | E.W. 3 (Hoff.) | 1 Thrust race | | | |
| 47 | 1026/32 | 2 Worm | | | |
| 48 | 1026/29 | 1 Spindle trapping collar without hole | | | |
| 49 | | 1 1/2" dia. x 1 1/2" spring dowel | | | |
| 50 | | 1 3/8" whit. x 3/8" allen grub screw | | | |

Telephone: Leicester 68151 (7 lines)

Telegrams: } Woodworker, Leicester, Telex.
Cables: } 34646 (Wadkin, Leicester).

London Office: Brookfield House, 62-64, Brook Street, W.1.
Telephone: MAYfair 7043 E.C.

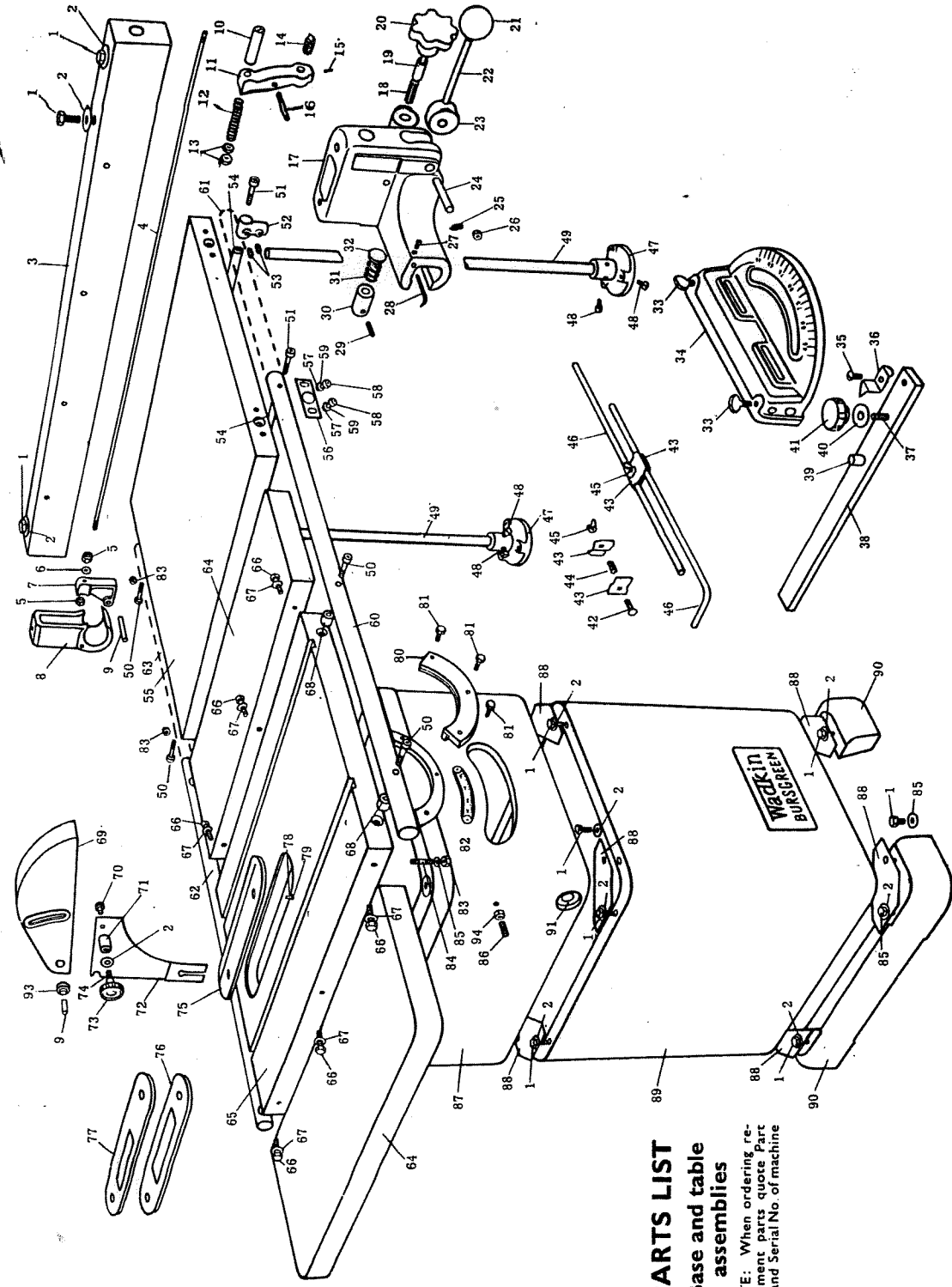
SALES & SERVICE

Wadkin Ltd.

Great Lane Works Leicester

BURSGREEN machines are manufactured by:
BURSGREEN (DURHAM) LTD., Fence Houses,
Houghton-le-Spring, Co. Durham.

BURSGREEN (COLNE) LTD., Lodge Holme,
Troyden, Nr. Colne, Lancs.



PARTS LIST

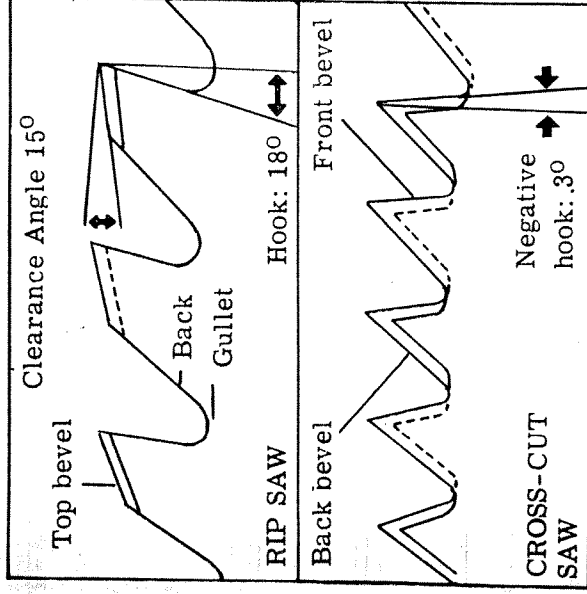
Base and table assemblies

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

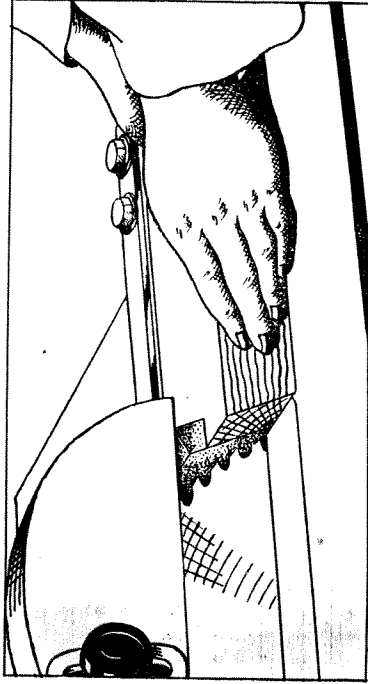
| Ref. Part No. | No. Off. | Description | Ref. Part No. | No. Off. | Description |
|---------------|-------------------|--|---------------|----------|--|
| 1 | 17 | $\frac{3}{8}$ " whit. x $\frac{3}{8}$ " bolt | 64 | 1026/5 | Extension table (cast iron) |
| 2 | 18 | $\frac{3}{8}$ " Cadmium washer | 65 | 1026/4 | 1 Main table |
| 3 | 1026/39 | Rip fence connecting rod | 66 | 66 | $\frac{3}{8}$ " whit. x $1\frac{1}{2}$ " bolt |
| 4 | 1026/45 | Rip fence back bracket | 67 | 67 | $\frac{3}{8}$ " B.S.F. washer |
| 5 | 2 | $\frac{1}{2}$ " whit. Aerotight nut | 68 | 1026/51 | Fence bar distance piece |
| 6 | 1 | $\frac{1}{2}$ " double coil spring washer | 69 | 1026/58 | Saw guard |
| 7 | 1026/37 | Rip fence back lock | 70 | 1 | $\frac{1}{2}$ " whit. x $\frac{1}{2}$ " bolt |
| 8 | 1026/36 | Rip fence back lever | 71 | 1026/60 | Riving knife distance piece |
| 9 | 1 | Rip fence connecting rod nut | 72 | 1026/18 | Riving knife |
| 10 | 1026/46 | $\frac{1}{2}$ " dia. x $1\frac{1}{2}$ " spring dowel | 73 | 1 | $1\frac{1}{2}$ " plastic handwheel $\frac{3}{8}$ " whit. blind |
| 11 | 1026/38 | Rip fence front locking lever | 74 | 1 | $\frac{3}{8}$ " whit. x $\frac{3}{8}$ " long stud |
| 12 | 1016/95 | Spring for fence locking bar | 75 | 1 | Finger plate |
| 13 | 2 | $\frac{1}{2}$ " whit. lock nut | 76 | 1026/16 | Finger plate for cutterblock and wobble saw |
| 14 | 1026/44 | Rip fence lock adj. screw | 77 | 1026/76B | Finger plate for dado set |
| 15 | 1 | $\frac{1}{2}$ " whit. x $\frac{3}{8}$ " grub allen screw | 78 | 4 | $\frac{3}{8}$ " whit. x $\frac{1}{2}$ " grub screw |
| 16 | 1026/55 | Rip fence front locking lever pivot pin | 79 | 4 | $\frac{3}{8}$ " whit. lock nut |
| 17 | 1026/35 | Rip fence front bracket | 80 | 2 | Trunnion trapping plate |
| 18 | 1026/42 | Rip fence pinion | 81 | 6 | $\frac{3}{8}$ " whit. x $\frac{3}{8}$ " bolt |
| 19 | 1 | $\frac{3}{8}$ " bore $\frac{3}{8}$ " O.D. $\frac{1}{2}$ " long Ollite bush | 82 | 1 | Angle indicator rule |
| 20 | 1 | 2" plastic handwheel $\frac{3}{8}$ " bore | 83 | 6 | $\frac{3}{8}$ " whit. nut |
| 21 | 1 | $1\frac{1}{2}$ " dia. plastic ball $\frac{3}{8}$ " whit. | 84 | 4 | $\frac{3}{8}$ " whit. x $1\frac{1}{2}$ " long stud |
| 22 | 1026/53 | Rip fence locking handle | 85 | 4 | $\frac{3}{8}$ " washer |
| 23 | 1026/43 | Rip fence cam | 86 | 2 | $\frac{3}{8}$ " whit. x $1\frac{1}{2}$ " grub screw |
| 24 | 1026/56 | Rip fence cam pivot pin | 87 | 1 | Main frame |
| 25 | 1026/50 | Rip fence locking plunger | 88 | 8 | Fillet for Base |
| 26 | 3 | $\frac{3}{8}$ " whit. lock nut | 89 | 1 | Base |
| 27 | 1 | $\frac{1}{2}$ " whit. x $\frac{1}{2}$ " grub allen screw | 90 | 1026/11 | Foot for base |
| 28 | 1026/54 | Rip fence pointer | 91 | 2 | $\frac{3}{8}$ " bore x $\frac{1}{2}$ " O.D. $\frac{1}{2}$ " long Ollite bush |
| 29 | 1 | $\frac{3}{8}$ " dia. x $\frac{1}{2}$ " spring dowel | 92 | 1 | $\frac{3}{8}$ " dia. x $1\frac{1}{2}$ " spring dowel |
| 30 | 1026/48 | Bush for rip fence front locking plunger | 93 | 1 | Saw guard pivot |
| 31 | 1026/49 | Spring for rip fence front locking plunger | 94 | 2 | $\frac{3}{8}$ " whit. lock nut |
| 32 | 1026/47 | 1 Rip fence front locking plunger | 33 | 1 | Mitre fence stop plates |
| 33 | 2 | $1\frac{1}{2}$ " whit. x $\frac{1}{2}$ " thumb screw | 34 | 2 | Mitre fence stop plate spring |
| 34 | 1026/67 | Mitre fence body | 35 | 2 | $\frac{3}{8}$ " whit. wing nut |
| 35 | 1 | $\frac{1}{2}$ " whit. x $\frac{3}{8}$ " Rd. Hd. screw | 36 | 1 | 1 set Mitre fence stop rods |
| 36 | 1026/72 | Mitre fence pointer | 37 | 2 | Extension table support foot |
| 37 | 1 | $\frac{3}{8}$ " whit. x $1\frac{1}{2}$ " stud | 38 | 4 | $\frac{3}{8}$ " whit. x $\frac{3}{8}$ " bolt Sq. Hd. |
| 38 | 1 | Mitre fence tongue | 39 | 2 | Extension table support leg |
| 39 | 1 | $\frac{3}{8}$ " dia. x $\frac{3}{8}$ " fluted dowel | 40 | 4/srd. | $\frac{3}{8}$ " whit. x $1\frac{1}{2}$ " Allen screw |
| 40 | 1 | $\frac{3}{8}$ " Cadmium washer | 41 | 2 | Extension table tee filbree |
| 41 | 1 | $1\frac{1}{2}$ " plastic handwheel $\frac{3}{8}$ " whit. | 42 | 2 | $\frac{3}{8}$ " B.S.F. x $\frac{3}{8}$ " grub screw |
| 42 | 2 | $\frac{3}{8}$ " whit. x $\frac{3}{8}$ " coach bolt | 43 | 2 | Extension table tie bar |
| 43 | 4 | Mitre fence stop plates | 44 | 4 | Sheet metal extension table |
| 44 | 1026/68 | Mitre fence stop plate spring | 45 | 4 | Extension table adjuster plate |
| 45 | 1026/73 | $\frac{3}{8}$ " whit. wing nut | 46 | 8 | $\frac{1}{2}$ " whit. x $\frac{1}{2}$ " bolt |
| 46 | 1026/69 | 1 set Mitre fence stop rods | 47 | 16 | $1\frac{1}{2}$ " washer |
| 47 | 1026/85 | 2 Extension table support foot | 48 | 1 | Fence front slide bar (Std.) |
| 48 | 4 | $\frac{3}{8}$ " whit. x $\frac{3}{8}$ " bolt Sq. Hd. | 49 | 1 | Fence front slide bar (special for extension table) |
| 49 | 1026/84 | 2 Extension table support leg | 50 | 1 | Fence back slide bar (Std.) |
| 50 | 2/ext. table m/c. | $\frac{3}{8}$ " whit. x $1\frac{1}{2}$ " Allen screw | 51 | 2 | Fence back slide bar (special for extension table) |
| 51 | 2/ext. table | $\frac{3}{8}$ " whit. x $1\frac{1}{2}$ " Allen screw | 52 | 1026/99 | 2 Extension table tie bar |
| 52 | 1026/99 | 2 Extension table tee filbree | 53 | 4 | $\frac{3}{8}$ " B.S.F. x $\frac{3}{8}$ " grub screw |
| 53 | 4 | $\frac{3}{8}$ " B.S.F. x $\frac{3}{8}$ " grub screw | 54 | 1026/83 | 2 Extension table tie bar |
| 54 | 1026/83 | 2 Extension table tie bar | 55 | 1026/79 | 1 Sheet metal extension table |
| 55 | 1026/79 | 1 Sheet metal extension table | 56 | 4 | Extension table adjuster plate |
| 56 | 1026/80 | 4 Extension table adjuster plate | 57 | 8 | $\frac{1}{2}$ " whit. x $\frac{1}{2}$ " bolt |
| 57 | 8 | $\frac{1}{2}$ " whit. x $\frac{1}{2}$ " bolt | 58 | 8 | $\frac{1}{2}$ " whit. nut |
| 58 | 8 | $\frac{1}{2}$ " whit. nut | 59 | 16 | $1\frac{1}{2}$ " washer |
| 59 | 16 | $1\frac{1}{2}$ " washer | 60 | 1 | Fence front slide bar (Std.) |
| 60 | 1026/40 | Fence front slide bar (Std.) | 61 | 1026/81 | Fence front slide bar (special for extension table) |
| 61 | 1026/81 | Fence front slide bar (special for extension table) | 62 | 1 | Fence back slide bar (Std.) |
| 62 | 1026/41 | Fence back slide bar (Std.) | 63 | 1 | Fence back slide bar (special for extension table) |
| 63 | 1026/82 | Fence back slide bar (special for extension table) | | | |

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.

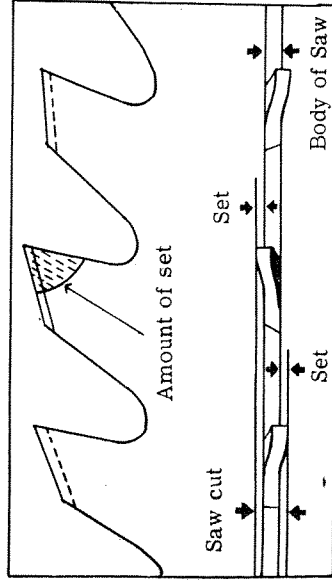


RANGING.



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.

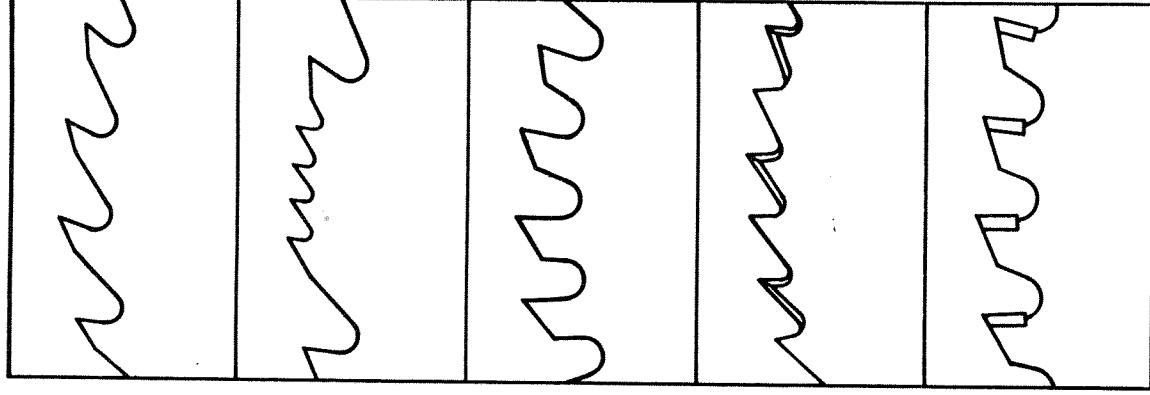
SETTING. Do not allow the set on the teeth to become worn down before resetting. To check set, cut a piece of wood a few inches as shown below when a small even triangle should be seen.



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.

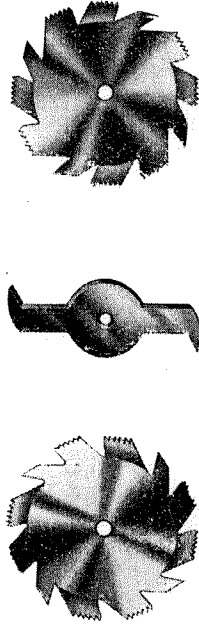
QS201. A general purpose cross-cut saw.

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

QS173. For cutting plastic materials.

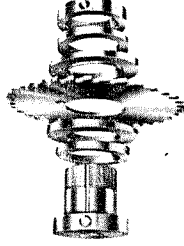
QS173T. As above with tungsten carbide tipped teeth.

DADO HEADS. QS205.

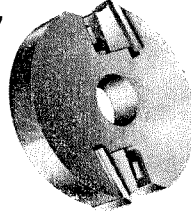


For grooving with a smooth finish either with or across the grain. The dado heads are available with $\frac{1}{8}$ " wide outside saws and inside cutters for grooves up to $\frac{3}{8}$ " wide

WOBBLE SAW



CUTTER BLOCK QR200



For grooves from $\frac{1}{8}$ " to $\frac{3}{8}$ " wide. Max. depth of cut 1". Use table insert 1026/76A.

Of wedge type construction the block gives moulds up to $\frac{3}{4}$ " wide.