

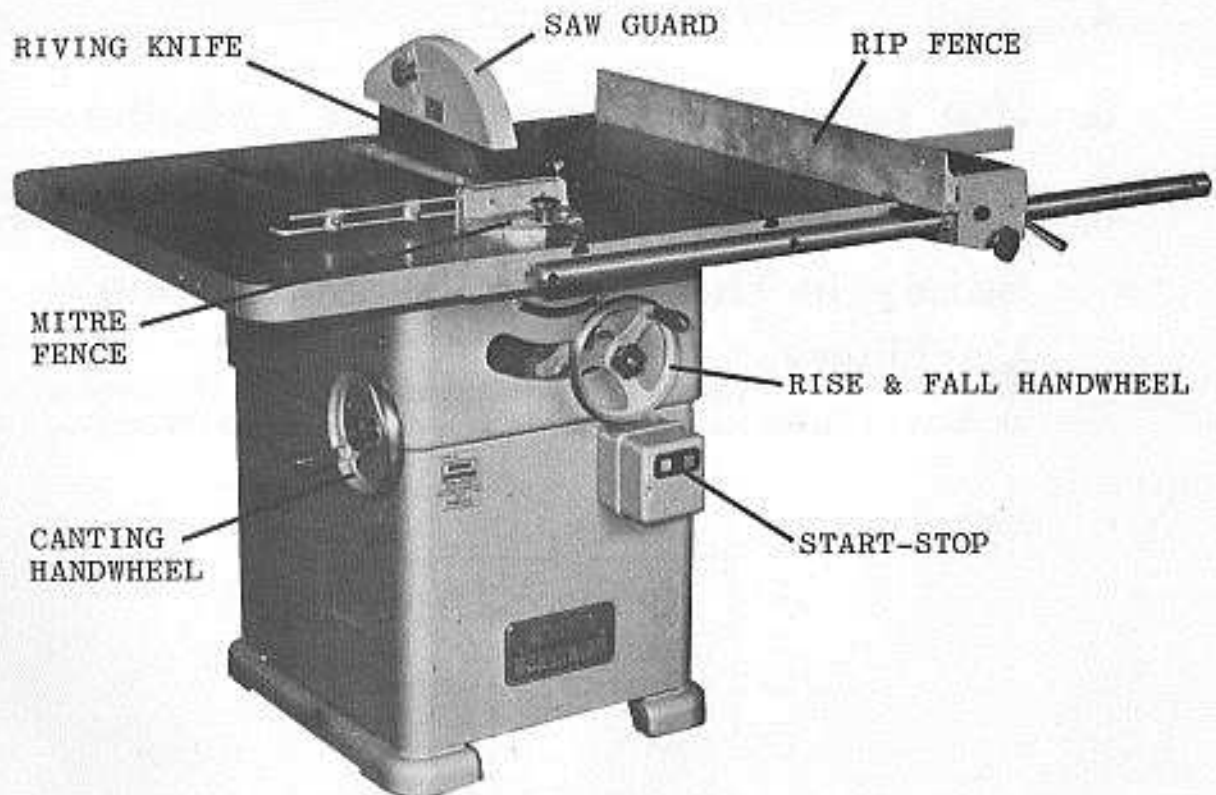
Modifications are made to these books from time to time and it is important therefore that only the book sent with the machine should be used as a working manual

PLEASE INSERT SERIAL NUMBER OF MACHINE

INSTRUCTION MANUAL FOR

12" AGS

Tilting Arbor Sawbench



For Replacement parts, Tools and Accessories,

Contact:

WADKIN PLC,

Telephone: (0116) 276 9111

Fax: (0116) 259 8138

www.wadkinbursgreen.co.uk

SAFETY

- 1. Read Instruction Book.**
- 2. Securely Lock Cutters.**
- 3. Set Guards Correctly.**
- 4. Select Correct Speed.**
- 5. Use Feeding Devices Where Possible.**
- 6. Refer To HSW Booklet No.41. (in UK) For Safety In The Use Of Woodworking Machinery.**

HEALTH & SAFETY

SAFETY OF WOODWORKING MACHINES

Woodworking machines can be dangerous if improperly used. The wide range of work of which they are capable, requires adequate safeguarding arrangements against possible hazards.

Many injuries to machinists are caused by carelessness or failure to use the guards provided or to adjust them correctly.

Wadkin plc supply machinery designed for maximum safety which they believe, as a result of thorough testing, minimizes the risks inevitable in their use. It is the users responsibility to see that the following rules are complied with to ensure safety at work:

1. The operation of the machine should conform to the requirements of the Woodworking Machines Regulations 1974. All guards should be used and adjusted correctly.
2. Safe methods of working only should be adopted as given in the Health and Safety Work Booklet No. 41, "Safety in the use of Woodworking Machines", (obtainable from Her Majesty's Stationery Office) and as advised by Wadkin plc.
3. Only personnel trained in the safe use of a machine should operate it.
4. Before making adjustments or clearing chips, etc., the machine should be stopped and all movement should have ceased.
5. All tools and cutters must be securely fixed and the speed selected must be appropriate for the tooling.

Safety is our watchword but the user must comply with the above rules in his own interest. We would be pleased to advise on the safe use of our products.



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APPROVED LUBRICANTS						
Application	Castrol	B.P.	Shell	Esso	Texaco/Caltex	Wadkin
Worm Boxes	ZN220	Energol CS320	Vitrea 320	Spartan EP220	Regal Oil 320	L2
General Lubrication	Magna 68	Energol HP68	Vitrea 68	Nuray	Ursa Oil P68	L4
Pneumatic Lubricators	Hyspin AWS32	Energol HL32	Tellus 37	Nuto H32	Rando Oil HD32	
Grease	Spheerol AP3	Energol L53	Alvania R3	Beacon 3	Regal Starfak Premium 3	L6
Brake Cables	Brake Cable grease	Energol L21M	Alvania R3	Esso Multi-purpose grease		

Specification

Maximum diameter of saw	12"	305mm
Diameter of saw arbor	1"	25.4mm
Maximum depth - vertical cut	4"	101mm
Maximum depth - 45° cut	2 3/4"	70mm
Maximum size of dado or grooving set recommended	8" x 7/8"	200mm x 22mm
Maximum size of circular cutterblock for moulding	4.7/8" x 15/16"	120mm x 23mm
Speed of saw spindle	3200rpm	
Size of table	34" x 24"	865mm x 610mm
*Size of table with extensions(each extension table is 12" x 34" - 305mm x 865mm)	34" x 48"	865mm x 1220mm
Saw to front edge of table with saw in top position	17 1/2"	440mm
Fence movement to right of saw	33"	840mm
Saw cants to right	45°	
Ripping fence	35 1/2" long x 3 1/2" high	900mm x 90mm
Table height	34"	865mm
H.P. of motor	3	3
Net weight	590lb.	270kg.
Gross weight	760lb.	340kg.
Shipping dimensions	28cu.ft.	.8cu.m.

* Included in standard price of machine.

INSTALLATION

Remove protective coating from all bright parts by applying a cloth soaked in paraffin, turpentine or other solvent.

When the machine is cased for export the extension tables, rip fence, fence bars and motor are removed and packed individually. Remove and re-assemble as shown in Fig. 1.

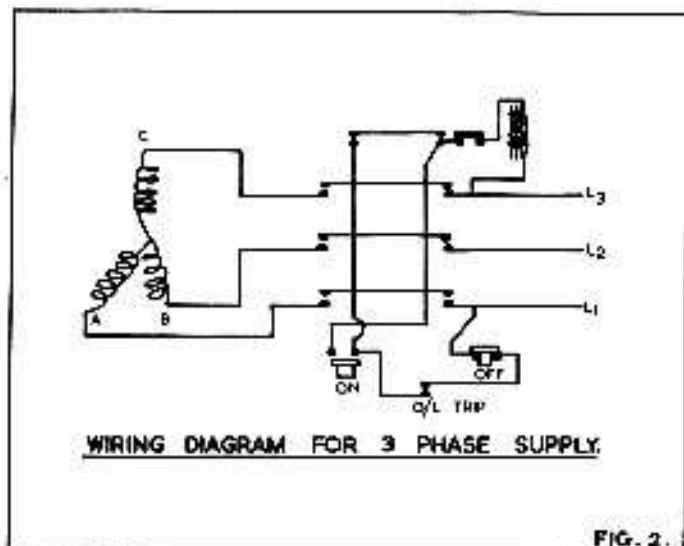


FIG. 2.

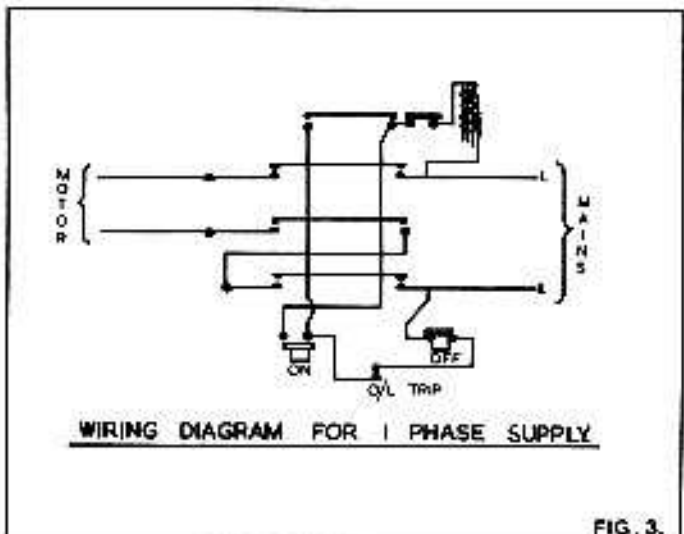


FIG. 3.

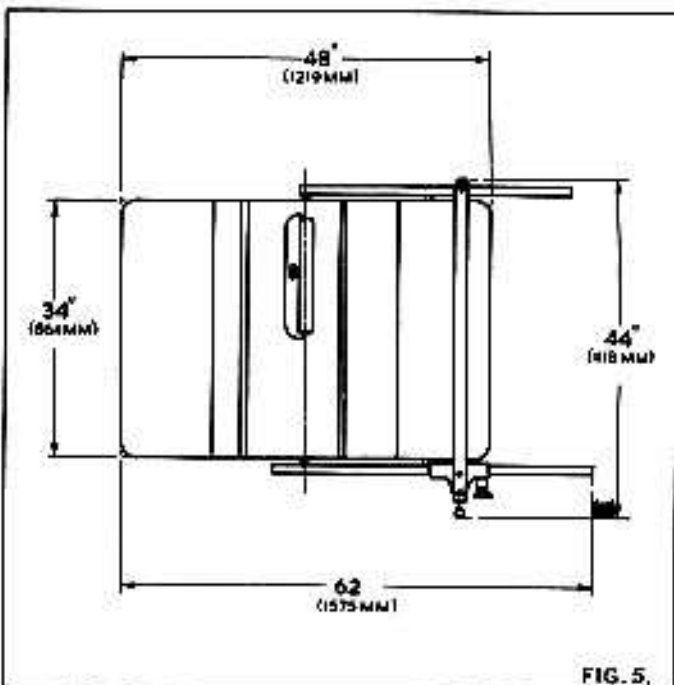
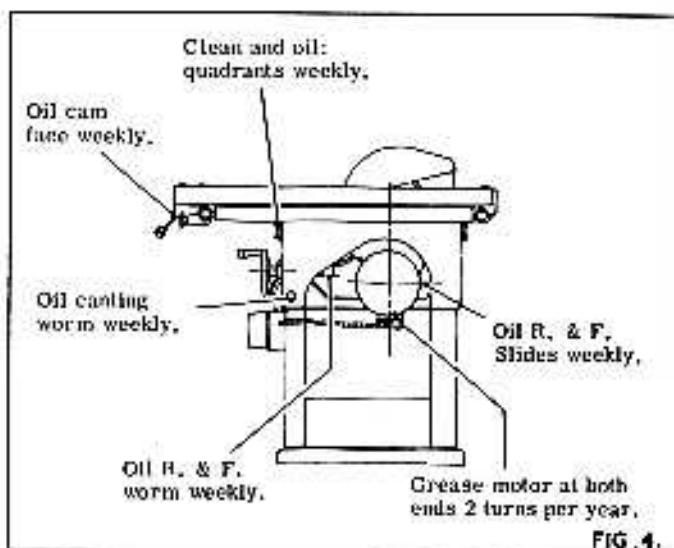
WIRING DETAILS

The motor and control gear have been wired in before despatch. All that is required is to connect the power supply to the starter.

Points to note when connecting to power supply :-

1. Check the voltage, phase and frequency correspond to those on the motor plate, also the correct coils and heaters are fitted to the starter.
2. It is important that the correct cable is used to give the correct voltage to the starter as running on low voltage will damage the motor.
3. Check the main line fuses are of the correct capacity. See list below.
4. Connect the line leads to the appropriate terminals. See Fig. 2 for 3 phase supply and Fig. 3 for 1 phase supply.
5. Check all connections are sound.
6. Check the rotation of the motor for correct direction. If this is incorrect reverse any two of the line lead connections for 3 phase supply.

VOLTAGE	PHASE.	H. P.	SWG TINNED COPPER WIRE.	AMPS
220	3	3	21	29
380/420	3	3	24	17
550	3	3 & 5	24	17
220	3	5	19	38
380/420	3	5	22	24
200/220	1	3	17	55
230/250	1	3	18	45



LUBRICATION

It is advisable to keep all bright parts covered with a thin film of oil to prevent rusting.

TYPE OF OIL RECOMMENDED	POWER EM125
TYPE OF GREASE RECOMMENDED	SHELL ALVANIA 3

FOUNDATION

The clearances required for this machine are shown in Fig. 5.

MOUNTING SAWBLADES

To mount a sawblade the under mentioned procedure should be followed :-

1. Check the machine is isolated before starting to fit sawblade.
 2. Swing the sawguard to the top position.
 3. Remove aluminium table insert and raise saw arbor to its highest position.
 4. Remove the arbor nut (left hand thread) and front saw flange.
 5. Select the blade which is required depending on the type of work which is to be done. Check the blade is free from all dirt, gum or sawdust especially where it will be gripped by the flanges. Mount the blade on the arbor. Check front saw flange is clean and then fit onto saw arbor. The saw teeth should point towards the front of the machine.
- NOTE :-** If the flanges and the saw are not clean the saw will run out of true, hence causing vibration.
6. Lock the saw securely in position with the arbor nut (left hand thread). To tighten arbor nut hold spindle in position with the toggle bar in the back saw flange.
 7. Replace table insert and position saw guard depending on the thickness of timber to be worked.

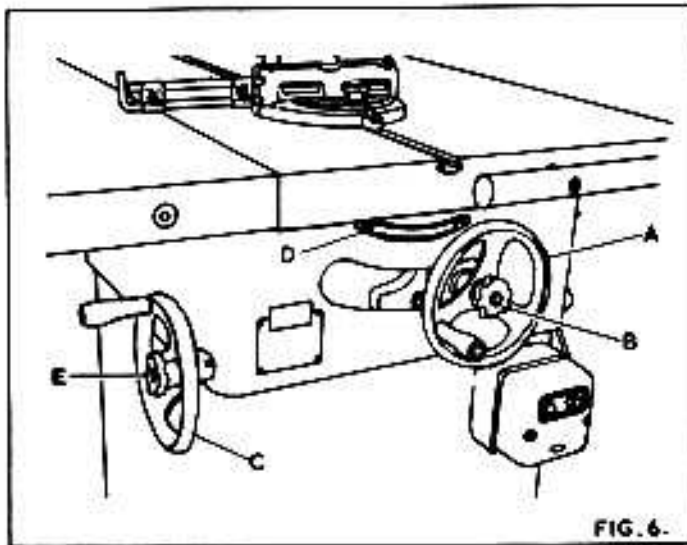


FIG. 6.

RISE AND FALL CONTROLS

The saw arbor rises and falls a total travel of 4" (101mm). The travel of the saw is pre-set before despatch from the works. The rise and fall is controlled by the conveniently placed handwheel "A", in Fig. 6. The rise and fall is through a wormwheel and raked quadrant.

To lock the saw in any position, lock plastic handwheel "B".

CANTING CONTROLS

The saw cants 45° to the right, with positive stops at 90° and 45°, which are accurately set before despatch from the works. The motion is through a wormwheel and raked quadrant and is controlled by a conveniently placed handwheel "C" in Fig. 6. The angle of cant is shown on the graduated scale "D" in Fig. 6. To lock the saw at any angle, lock plastic handwheel "E".

All adjustments and alignments listed below have been carefully set and checked and the whole machine thoroughly tested before despatch from the works. During the first few weeks of operation and at regular intervals afterwards, certain items such as belt tension should be checked carefully. When adjustments are necessary proceed in accordance with the relative instructions given.

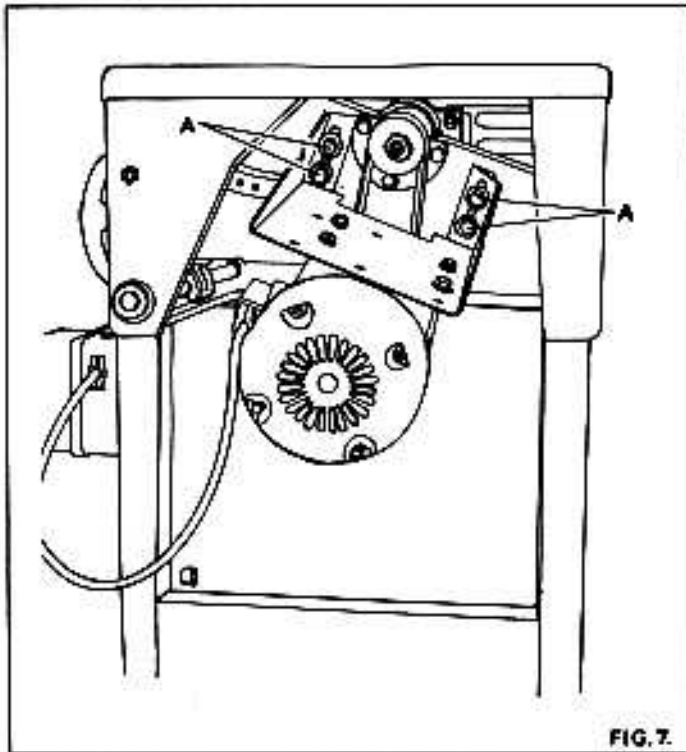


FIG. 7.

BELT TENSION

The drive is by two vee belts from a 3HP motor. To tension the belts loosen the hexagon head bolts "A", in fig 7 move motor platform until the required tension is reached then re-lock hexagon head bolts "A".

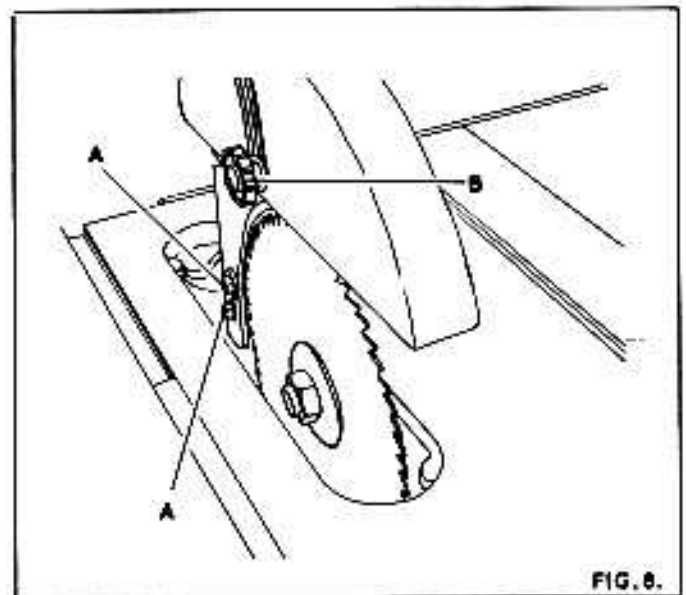


FIG. 8.

HOW TO ADJUST GUARD AND RIVING KNIFE.

The riving knife complete with the sawguard, rises and falls with the saw. The riving knife should be set as close as practicable to the saw blade and should not exceed 12mm at the table level. To adjust the riving knife to this position, loosen the 2 - hexagon nuts "A" in Fig 8 and position riving knife where required, then relock in position.

The guard should then be adjusted to protect as much of the saw as possible by loosening the handwheel "B" and positioning the guard where required. When set relock handwheel "B".

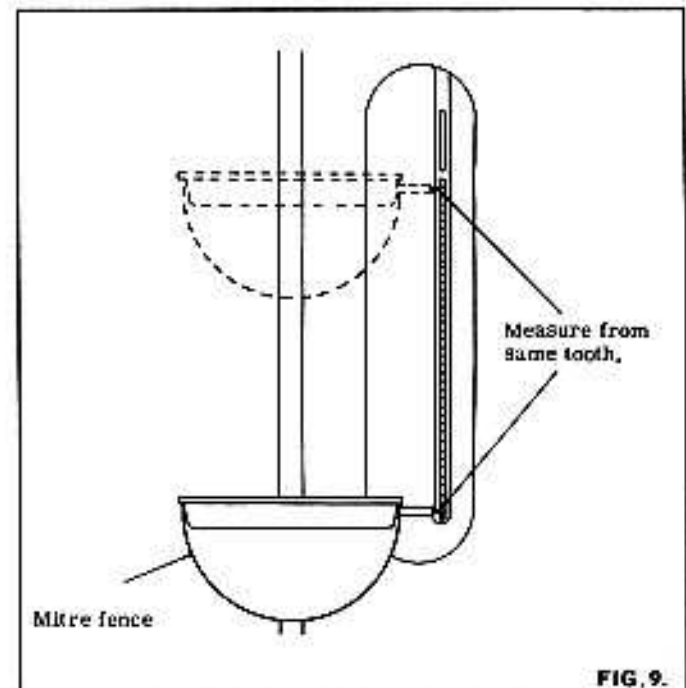
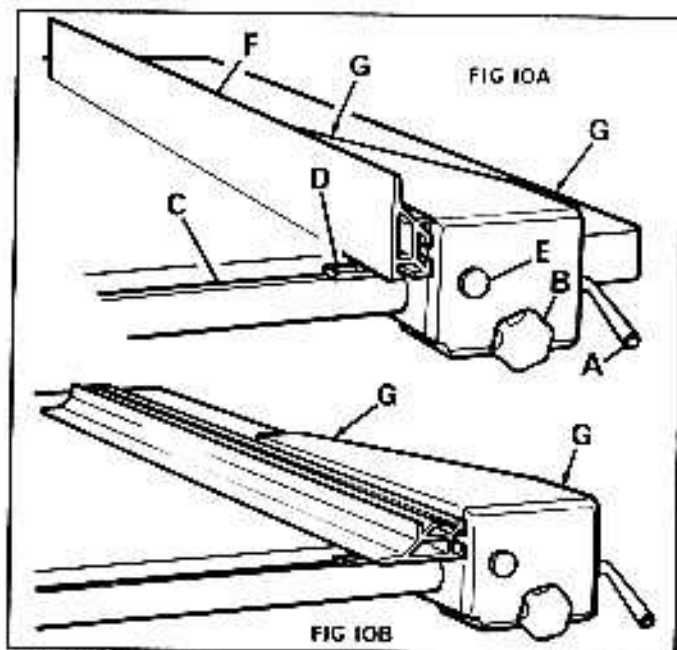


FIG. 9.

SETTING TABLE IN LINE WITH SAW

The table grooves are accurately set before despatch, but should the table be disturbed for any reason the undermentioned procedure should be followed to set the table grooves parallel to the saw:-

1. Loosen the four 3/8" wht. nuts securing the table to the main frame.
2. With the saw fitted to arbor, select a tooth and position straight stop rod of mitre fence so that it just touches the saw as shown in Fig. 9.
3. Slide mitre fence to rear position of the saw, swing tooth of saw which was used in item 2. Check whether the stop rod touches the tooth by the same amount. Should the slot be out of align with the saw, position table until correct. To correct position of the saw in relation to the table insert slot is 1" (25mm) from the right hand side. This will ensure clearance on the table insert when the saw is canted. When set tighten all screws.
4. To check this alignment cut several pieces of wood using mitre fence to see there is no back cut as the stock is passed through the sawblade.



HELP ISSUE CONTROLS

The rip fence slides on a round bar fitted to front of table. Rip fence adjustment and micro adjustment are provided with an effective lock.

For rapid fence adjustment follow the undermentioned procedure:

1. Lift handle "A" in fig.10A, then disengage the pinion from front racked fence bar by pulling handwheel "B" out of fence front bracket.
2. Position fence where required then depress handle "A" to lock fence in position. A ripping capacity scale on fence slide bar "C" is indicated by an adjustable pointer "D" located in the fence body and secured by knurled knob "E".
3. For micro adjustment the pinion should be engaged in the racked fence slide bar, i.e. handwheel "B" pushed into the fence front bracket.

Fence Plate Positions

The fence plate "F" in fig.10 has 2 positions. Position shown in fig.10A is for use with deep stock. Position shown in fig.10B is for use with faced panels, melamine, veneer, etc.

To Change the Fence Plate Position, Proceed as follows:

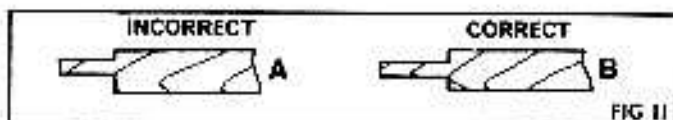
1. Loosen knurled knobs "G" in fig.10A, then slide fence plate "F" from fence body.
2. Slide fence plate over the 2 locking plates to position shown in fig.10B, relock knurled knobs "G".

Fence Pointer Adjustment

When the fence plate position has been changed as previously described, the pointer "D" in fig.10A must be re-set accordingly.

To Re-Set Pointer, Proceed as follows:

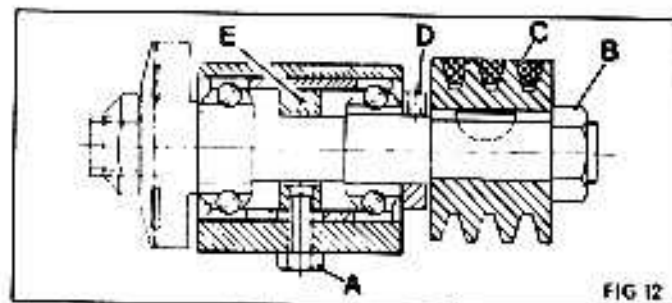
1. Lift handle in fig.10A then move fence to a position which would allow a reasonable cut to be taken. Depress handle "A" to lock fence in position.
2. Start machine, then feed a piece of timber past the sawblade keeping timber firmly against the fence. Stop machine.
3. Accurately measure the width of timber after cut then loosen knurled screw "E" and set rule pointer "D" accordingly. Re-lock knurled screw "E".



SETTING SAW TO RIVING KNIFE

It is important that the saw and riving knife are in line. To re-set should the spindle have been disturbed, the undermentioned procedure should be followed.

1. Loosen the hexagon head adjuster bolt "A" in fig. 12, and tap spindle where required, taking care not to damage the thread on spindle end. Place a steel rule along both sides of the riving knife to check whether the saw is central.
2. When set re-tighten the hexagon head bolt "A".
3. To check this setting feed a short piece of timber from the rear, along both sides of the riving knife. If the riving knife is incorrectly set the blade will cut unequal shoulders as shown in fig.11 (a), and when correctly set equal shoulders as shown in fig.11(b).



HOW TO REPLACE SPINDLE BEARINGS

To replace the spindle bearings the undermentioned procedure should be followed.

1. Remove saw, safeguard complete with riving knife and the table.
2. Release the tension on the belts as previously described and remove belts.
3. Remove the 5/8" whit nut (right hand thread) "B" in fig.12, remove spindle pulley "C" which is keyed to the spindle.
4. Remove the hexagon head bolt "A", securing the remaining spindle assembly in the housing, tap out assembly from the pulley end. Care should be taken not to damage the threads on spindle end.
5. To remove the bearings, remove the woodruff key then loosen the two 1" steel hollow set screws "D", remove the spindle locking collar.
6. The bearing and spindle distance piece can now be driven from the spindle.

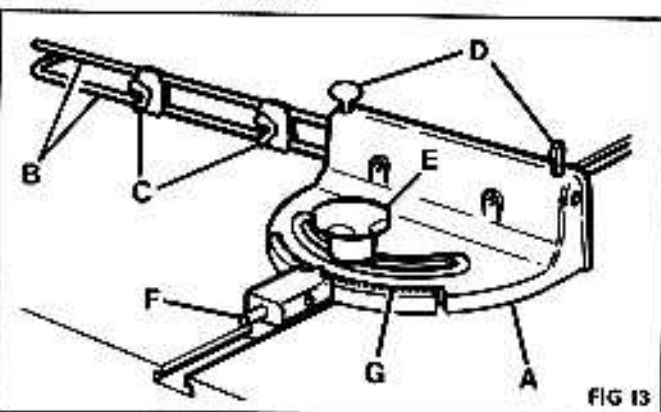
The bearings should now be replaced as the arrangement in fig.12. Care should be taken not to preload the bearings i.e. the spindle distance piece should be just free between the two bearings. When the locking collar has been replaced and the assembly is ready to be replaced in the spindle housing a hollow set screw should be inserted in the spindle trapping collar "E". This will assist in lining up the 1/8" whit x 1" long hexagon head bolt "A" on assembly.

To re-assemble the spindle assembly into the spindle housing:

1. Line up the hollow set screw with the hole in the spindle housing and tap in spindle assembly.
2. Remove hollow set screw and replace hexagon head bolt "A".
3. Replace riving knife and set saw central to riving knife as previously described.
4. Replace the pulley and belts then re-tension belts. The table can now be replaced.
5. Before locking table in position ensure the mitre fence slot is parallel to the saw as previously described. When set tighten all bolts.

MITRE FENCE

The mitre fence can be used on either side of the saw and slides in a tee slot, which should be kept clean and free from sand/dust.



MITRE FENCE

The mitre fence "A" in FIG.13 slides in either of two table slots and can be used at either side of the sawblade. Two stop rods "B" are held together by two clamps and wingnuts "C". The stop rods are secured to the fence body by either of the two thumbscrews "D", depending on which side of fence body the rods are used.

NOTE - Always ensure the stop rods are set clear of the sawblade or serious damage will result when machine is operated.

The mitre fence can be rotated through 90 degrees with positive stops at 90 degrees and 45 degrees. To position mitre fence at required angle, loosen handwheel "E" in FIG.13, then pull plunger "F" from location, position fence as required using scale "G" then relock handwheel "E".

NOTE - Always ensure table slot is clean when using mitre fence.

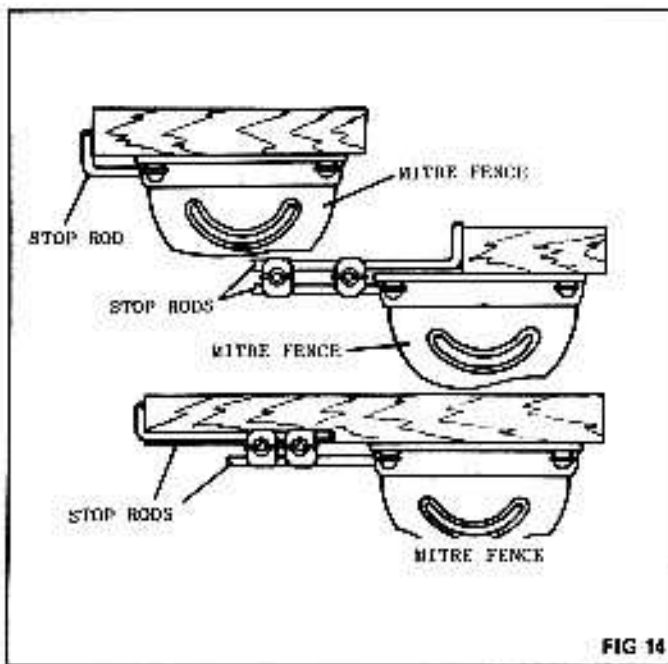


FIG 14

USE OF MITRE FENCE STOP RODS.

Accurate repetitive cutting can be made using the stop rods, see FIG.13.

The rods are held in the fence by the thumbscrew "A" in FIG.13 and the stop rods held together by the two clamps "B", to adjust the bars by the clamps, loosen the wingnuts "C".

See FIG.14 for several positions in which the stop rods can be used.

NOTE: Do not use rods on the same side of the saw as the cut, since they will be in the path of the cut thus damage can be done to the saw if contact is made.

ARRANGEMENT OF SHEET METAL EXTENSION TABLE.

A sheet metal extension table can be supplied to fit to the right of the saw as shown in FIG.15. This table increases the capacity right of the saw to 50V (1280mm) between saw and rip fence.

To assemble table, follow undermentioned procedure:

1. Remove protective coating from extension table parts by applying a cloth soaked in paraffin, turpentine or other solvent.
2. Remove existing fence bar and replace with long bar (supplied with extension table) ensuring replacement bar is correctly positioned i.e. zero mark on graduated bar is centre of table.
3. Assemble as shown in FIG.15, ensuring that extension table top is level with main table top. When set, lock all screws and nuts.

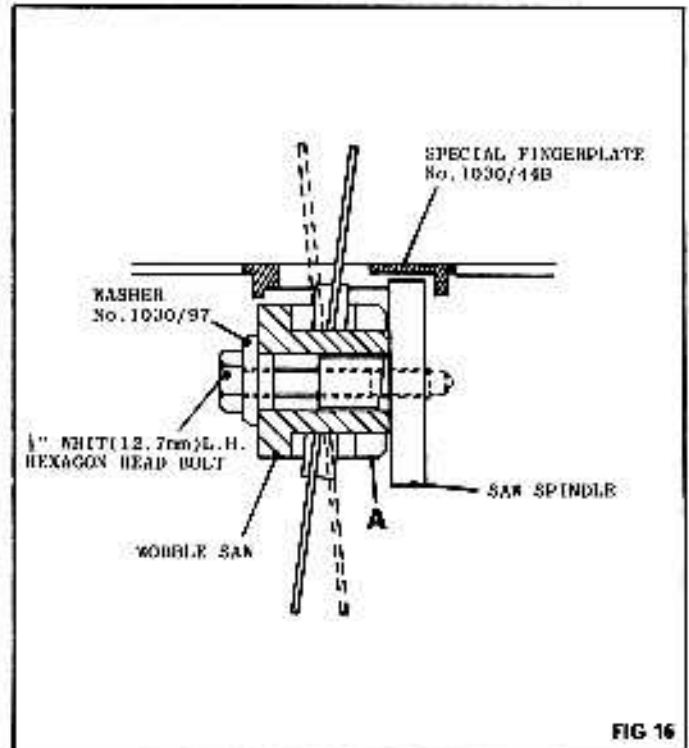


FIG 16

HOW TO FIT WOBBLE SAW.

To fit wobble saw the undermentioned procedure should be followed:

1. Remove table insert, riving knife complete with guard and front saw flange, keep these in a dry safe place.
2. Remove 1/2" whit (left hand thread) socket head grub screw from the end of the saw spindle.
3. Fit wobble saw to saw spindle as shown in FIG.16, and secure to saw spindle by means of the 1/2" whit, left hand thread hexagon head bolt supplied.
4. All that is now required is to set the saw to wobble to give the size of slot which is required to be cut.
5. To adjust saw, loosen nut "A" and move saw complete with large collars to required position. When set re-lock nuts "A".

Maximum diameter of saw which can be used is 8" (203mm). Table insert ref. No. 1030/44B should be used when wobble saw is fitted.

After the job has been completed with the wobble saw, replace the 1/2" whit, left hand thread socket head grub screw into the spindle end.

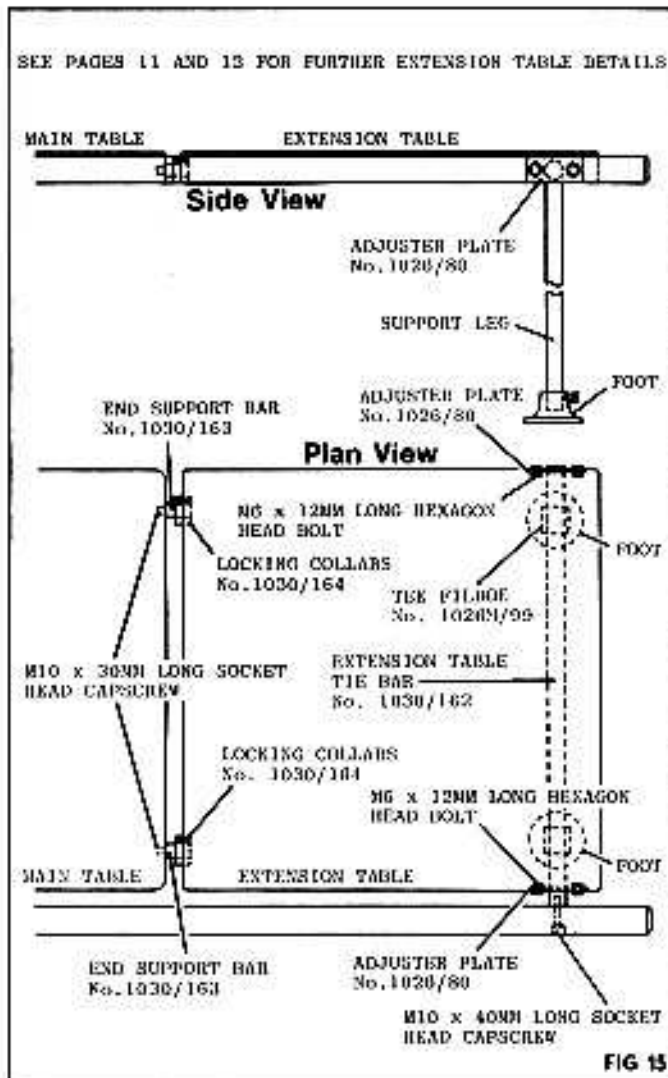


FIG 15

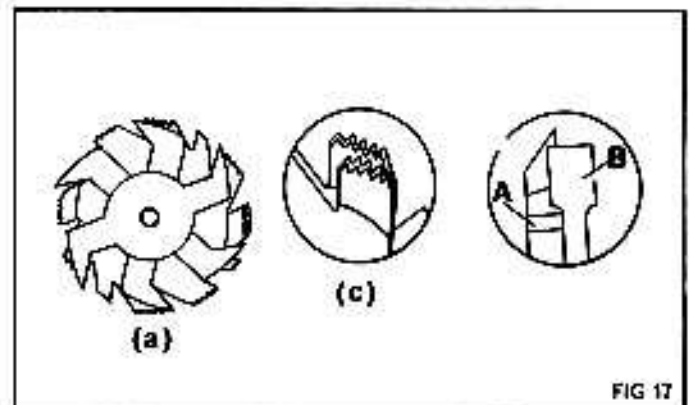
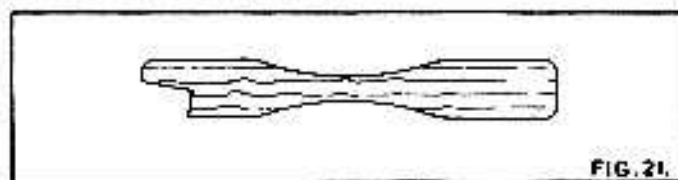
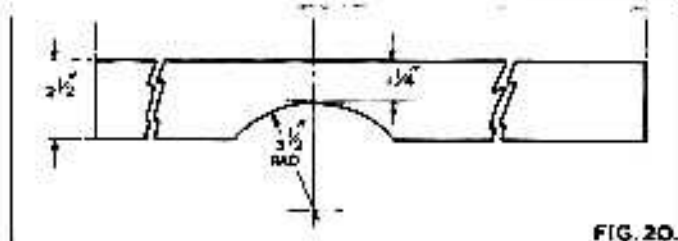
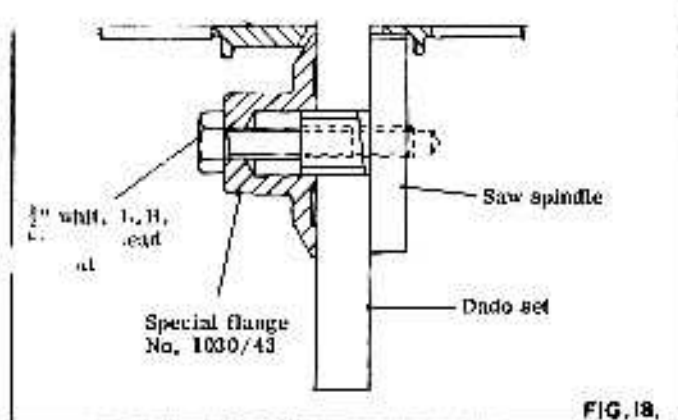


FIG 17



HOW TO FIT DADO HEAD

A dado head is made up of two outside saws and five inner cutters. Various combinations of saws and cutters can be used to cut grooves from 1/8" to 7/8" (3mm to 22mm) wide. Inner cutters are heavily swaged and must be arranged so that the heavy portion falls in the gullets of the outside saws, as shown in Fig. 17 (a).

Fig. 17 (b) shows how the saws and cutters overlap, "A" being the saw and "B" being the inside cutter.

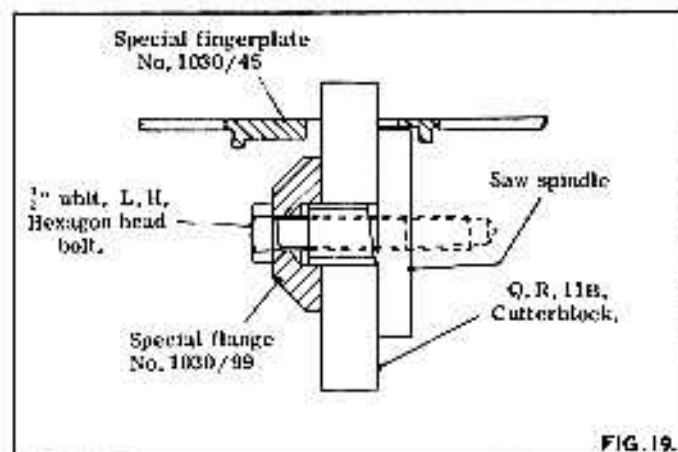
A 1/8" (3mm) groove is cut by using the two outside saws fitting the ground teeth directly opposite as shown in Fig. 17 (c), in order to allow clearance for the slight set of the saw teeth.

The dado head is secured to the saw spindle by means of a special flange as shown in Fig. 10. To fit dado head remove the table insert, riving knife complete with sawguard, front saw flange and the 1/2" whit. left hand thread socket head grub screw from the end of the spindle.

Fit the outer saws and required inner cutters on the spindle and lock in position with the special front flange and 1/2" whit. left hand thread hexagon head bolt supplied.

The table insert Ref. No. 1030/44A should be used when dado head is fitted.

When the job is completed with the dado head replace the 1/2" whit. left hand thread socket head grub screw in the spindle end.



HOW TO FIT MOULDING CUTTERBLOCK

The cutterblock is 4.7/8" dia. x 15/16" wide (124mm x 24mm) and takes 5/32" (4mm) and 1/4" (6mm) thick cutters. The cutterblock is secured to the spindle by means of special flange, as shown in Fig. 19. The procedure when fitting the cutterblock is identical to that when fitting the wobble saw and the dado set.

The table insert Ref. No. 1030/45 should be used when the cutterblock is fitted.

When using the cutterblock it is necessary to face the fence with a wood facing the approximate sizes for such a facing as shown in Fig. 20 to space the knives so that only the required amount of knives are exposed when making a moulding.

The facing is secured to the fence with wood screws through holes provided.

Before securing the knives always ensure that the slots and knives are free from sawdust and dirt.

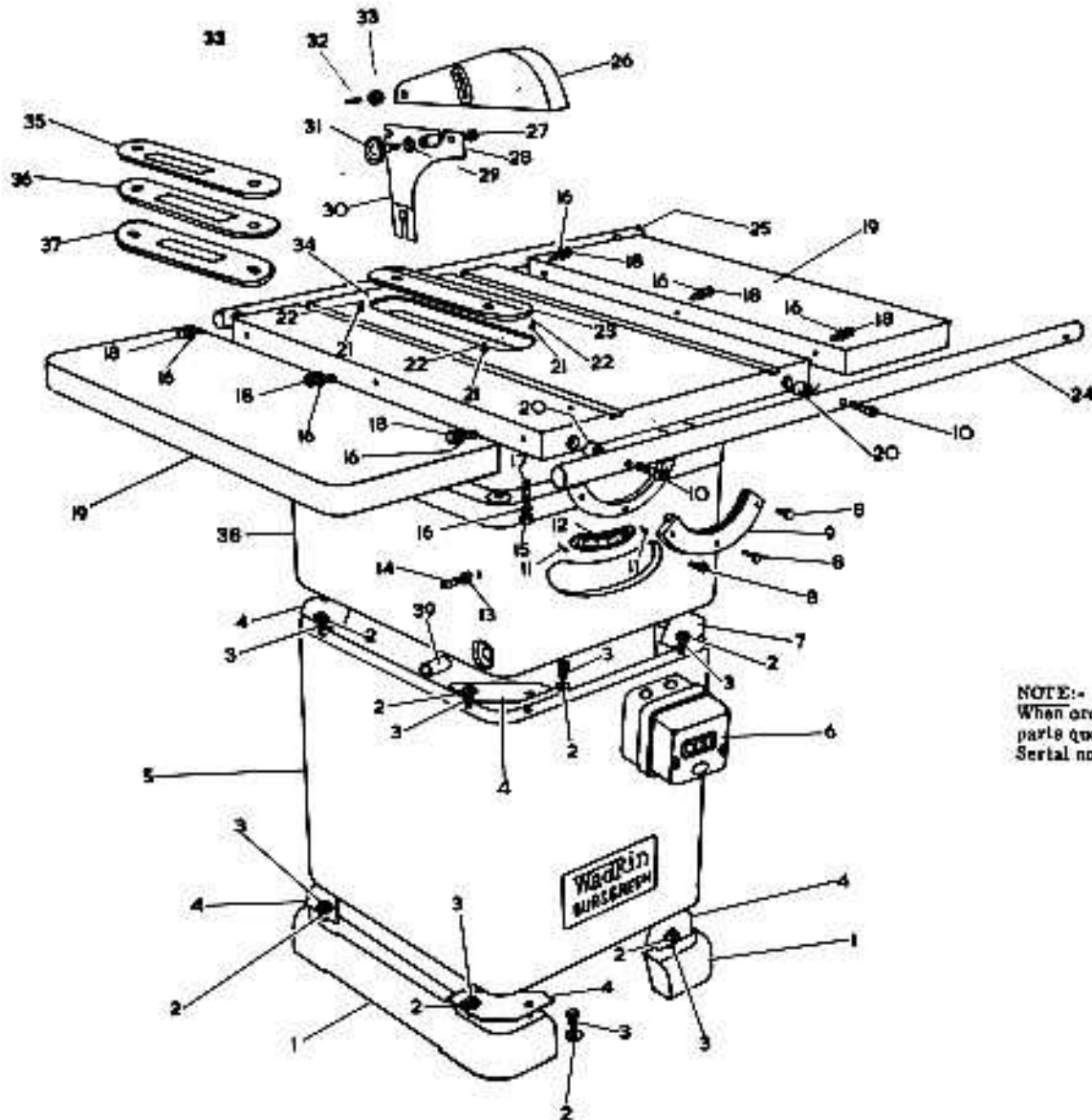
SAFETY PRECAUTIONS

Always adjust the guard to protect as much of the saw as possible and fit the riving knife 1/4" (6mm) behind the saw at the rear. These adjustments are previously described.

Use a push stick as Fig. 21 as much as practicable when feeding timber to avoid accident.

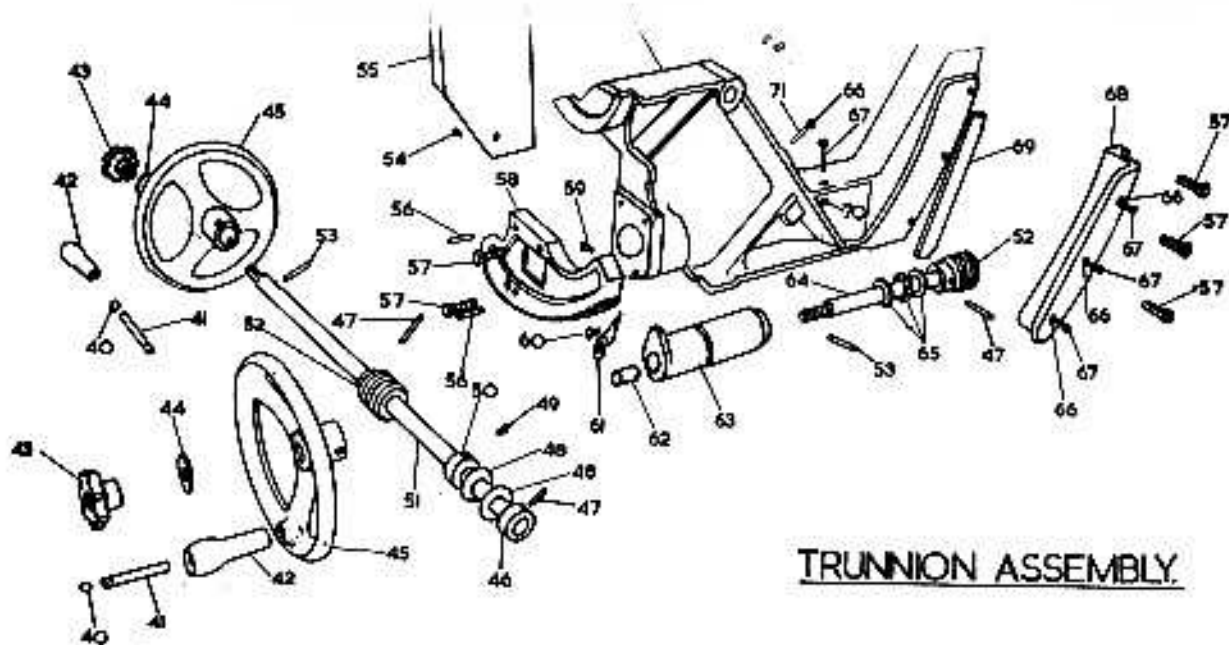
When changing equipment always isolate the machine electrically.

MAIN FRAME ASSEMBLY.



NOTE:-
When ordering replacement parts quote Part no. and Serial no. of the machine.

Ref. No.	Part No.	No. Off	Description	Ref. No.	Part No.	No. Off	Description
1	C-1030M/6	2	Foot for base	22		4	M5 x 12 long nicked grub screw
2		16	10 washer	23	C-1030M/9	1	Fingerplate
3		15	M10 x 20 long hexagon head bolt	24	B-1030M/36	1	Fence front slide bar (Std)
4		6	Fillers for base		D-1030M/76	1	Fence front slide bar (50" capacity) (1260mm capacity)
5	E-1030/7	1	Base		B-1026M/41	1	Fence back slide bar (Std)
6	84ADE	1	MEM Starter (3HP, 50 cycle)	25	D-1030M/77	1	Fence back slide bar (50" capacity) (1260mm capacity)
8	A, T, 3	1	Brook starter (3HP, 60 cycle)	26	C-1030/10	1	Saw guard
	Z, T, 3,	1	Brook starter (5HP, 50 cycle)	27		1	M10 x 12 long hexagon head bolt
	Z, T, 3,	1	Brook starter (5HP, 60 cycle)	28	A-1026M/60	1	Riving knife distance piece
7		2	Special filler for base	29		1	M10 x 30 long stud
8		6	M8 x 20 long hexagon head bolt	30	B-1030/80	1	Riving knife
9	C-1026/7	2	Trunnion trapping plate	31	Part. No. 32	1	1 1/2" dia. plastic handwheel M10
10		4	M10 x 45 long socket head cap screw	32		1	10 x 40 long growerlok spring dowel
11		3	M3 x 10 long roundhead screw	33	A-1030/31	1	Saw guard pivot
12	B-1026/17	1	Angle indicator rule	34	D-1030M/1	1	Main table
13		2	M10 nut	35	C-1030M/44A	1	Fingerplate for 8" dia. dado set
14		2	M10 x 40 long nicked grub screw	36	C-1030M/44B	1	Fingerplate for 8" dia. wobble saw
15		4	M10 nut	37	C-1030M/45	1	Fingerplate for 4.7/8" dia. cutterblock
16		10	10 washer	38	E-1030M/2	1	Mainframe
17		4	M10 x 35 long stud	39		2	1/2" bore x 7/8" O/D x 1/2" long oilite bush
18		6	M10 x 30 long hexagon head bolt				
19	C-1030M/5	2	Extension table				
20	A-1026/51	4	Fence slide bar distance pieces				
21		4	M5 locknut				

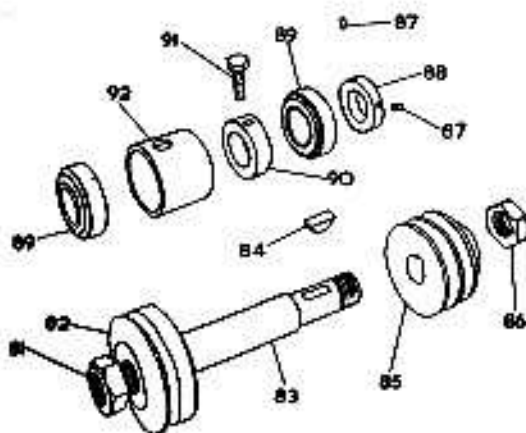


TRUNNION ASSEMBLY.

NOTE:-
When ordering replacement parts quote part no. and Serial no. of the machine.

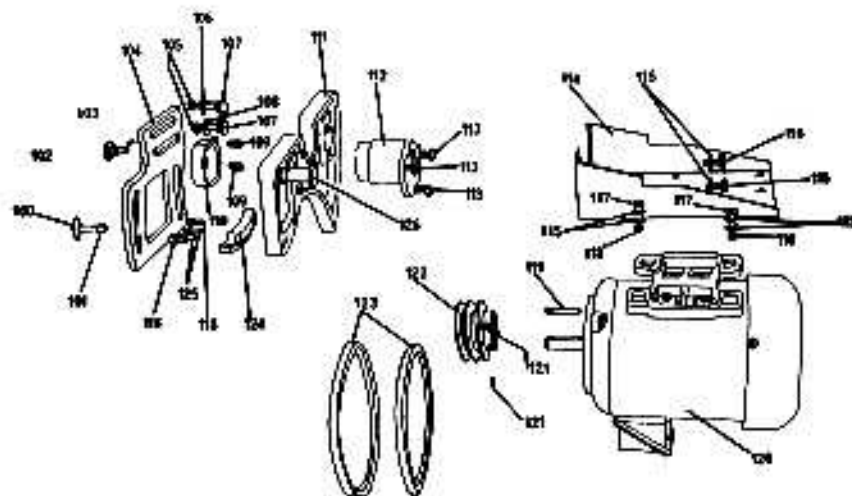
Ref. No.	Part No.	No. Off	Description	Ref. No.	Part No.	No. Off	Description
40	5555-37	2	"Treasure" grip ring circlip	57		5	M10 x 30 long hexagon head bolt
41	A-8-101	2	Spindle for 3" plastic handle	58	D-1030M/11	1	Backed quadrant for canting
42	Part. No. 4	2	3" plastic handle	58	A-1028/33	1	1/2" gas pipe screw
43	Part. No. 14	2	3" dia. plastic handwheel	60		1	M6 x 10 long round head screw
44	A-1026/22	2	Washer for handwheel	61	A-1030/38	1	Angle indicator pointer
45	C-1030/14	2	7 1/2" dia. dished handwheel	62		2	3/4" bore x 7/8" O/D x 1/2" long oilite bush
46	A-1028M/29	1	Canting shaft collar (without M10 hole)	63	B-1025M/8	1	Rise and Fall shaft bearing
47		3	5 x 30 long groverlok spring dowel	64	B-1025/20	1	Rise and Fall shaft
48	A-1028/65	2	Fibre washer for canting shaft	65	EW. 1/2"	1	Hoffmann thrust race
49		1	M10 x 12 long socket head grub screw	66		4	M5 locknut
50	A-1028M/29	1	Canting shaft collar (with M10 hole)	67		4	M5 x 30 long square head bolt
51	B-1030M/24	1	Canting shaft	68	C-1030M/8	1	Motor bracket trapping piece
52	A-1028/33	2	Worm for B & F and canting	69	A-1030/28	1	Retaining strip for motor bracket
53		2	5 dia x 40 long groverlok spring dowel	70		1	M8 nut
54		2	M8 x 12 long hexagon head bolt	71		1	M6 x 30 long nicked grub screw
55	B-1030/26	1	Chip guard	72		2	1/8" gas x 1/2" long socket head grub screw
56		2	8 dia. x 30 long groverlok spring dowel	73	D-1030M/3	1	Trunnion bracket

SAW SPINDLE ASSEMBLY.



Ref. No.	Part No.	No. Off	Description
80		1	M12 L.H. x 45 long socket head grub screw
81	A-1040/10	1	Saw spindle nut (17' acme)
82	A-1030/18	1	Front saw flange
83	A-1030/87	1	25mm front saw flange
84	C-1030/17	1	Saw spindle
85	B-1030/51	1	Saw spindle pulley (JHP, 50 cycles & 3 HP, 60 cycles)
	B-1030/23	1	Saw spindle pulley (SHP, 40 cycles)
	B-1030/88	1	Saw spindle pulley (SHP, 60 cycles)
86	A-1030/20	1	Saw spindle locknut (17' fine thread)
87		2	M6 x 10 long socket head grub screw
88	A-1030M/23	1	Saw spindle locking collar
89	6206FF	2	S. B. F. sealed bearings
90	A-1030M/22	1	Saw spindle trapping collar
91		1	M10 x 30 long hexagon head bolt
92	A-1030/21	1	Saw spindle distance piece

NOTE:-
When ordering replacement parts quote Part no. and Serial no. of the machine.

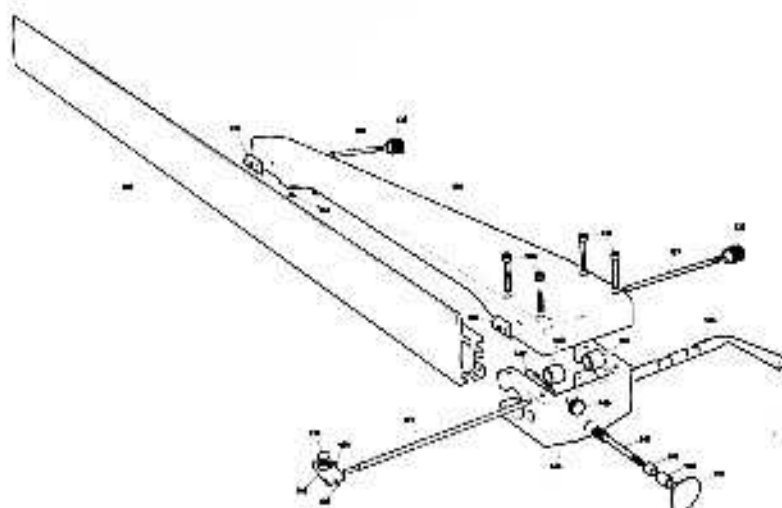


MOTOR MOUNTING

ASSEMBLY

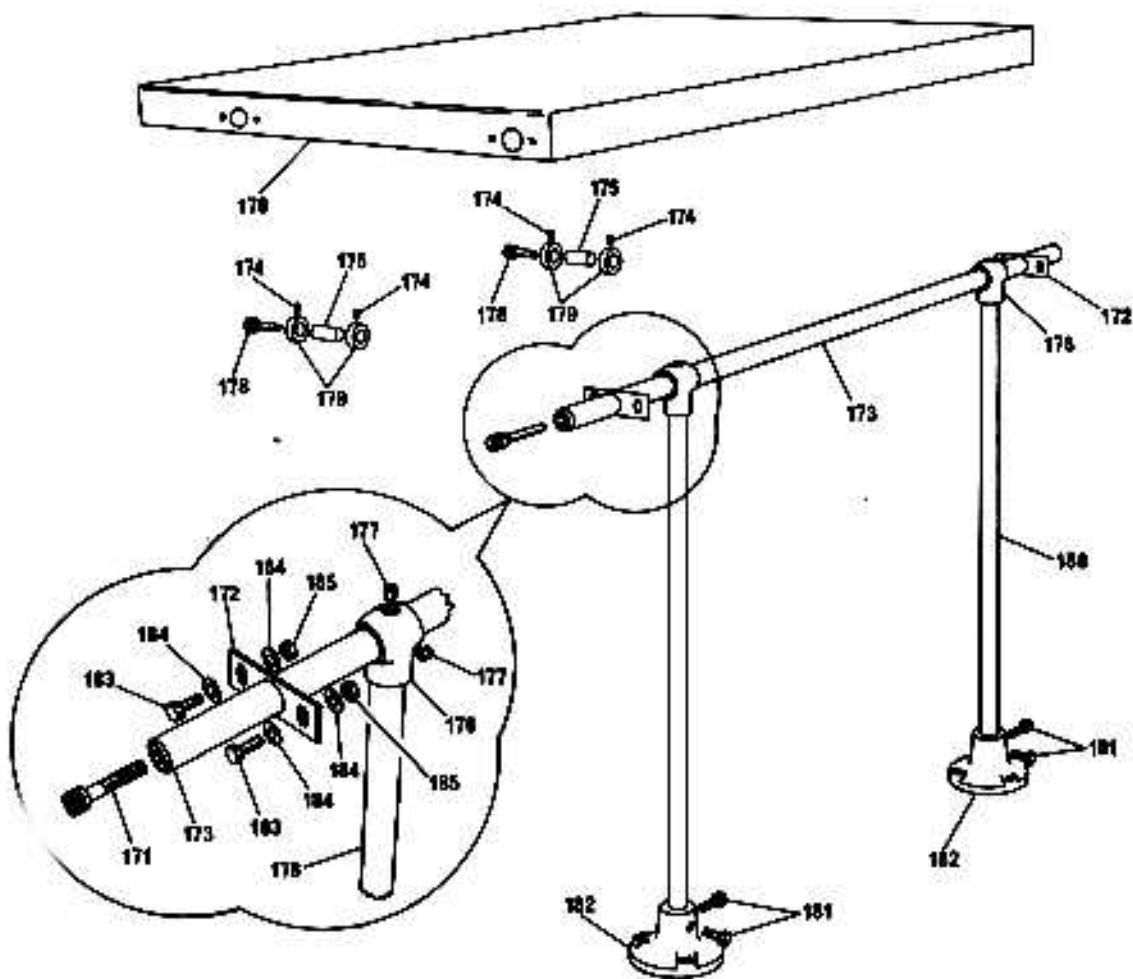
Ref. No.	Part No.	No. Off.	Description	Ref. No.	Part No.	No. Off.	Description
100	A-1020M/43	1	Rising knife bracket (trapping bolt)	126		1	Brook 600 motor, foot mounted, 3HP, 3,000 rpm/28P, 60 cycles
101		2	M10 screw/nut			1	Brook 600 motor, foot mounted, 3 HP, 3,000 rpm (28P), 60 cycles
102	A-1024/38	1	Rising knife retaining washer			1	Brook 11800L, foot mounted 1 HP, 1,800 rpm (28P), 60 cycles
103		1	M10 x 20 long stud			1	Brook 11800L, foot mounted 1 HP, 1,800 rpm (28P), 60 cycles
104	C-1020M/79	1	Rising knife bracket			1	Brook 11800L, foot mounted 1 HP, 1,800 rpm (28P), 60 cycles
105		2	M10 nut			1	Brook 11800L, foot mounted 1 HP, 1,800 rpm (28P), 60 cycles
106	A-1023/32	1	Rising knife washer			1	Brook 11800L, foot mounted 1 HP, 1,800 rpm (28P), 60 cycles
107	A-1024/46	2	Wells for rising knife			1	Brook 11800L, foot mounted 1 HP, 1,800 rpm (28P), 60 cycles
108		1	10 washer			1	Brook 11800L, foot mounted 1 HP, 1,800 rpm (28P), 60 cycles
109		2	M10 x 20 long hexagon head bolt			1	Brook 11800L, foot mounted 1 HP, 1,800 rpm (28P), 60 cycles
110	D-1028/79	1	Rising knife pivot bracket	121		2	M10 x 20 long socket head grub screws
111		1	Slide bracket	122	B-1028M/52	1	Motor pulley (3HP, 50 cycles)
112	C-1020M/195	1	Spindle housing		B-1000M/54	1	Motor pulley (3HP, 60 cycles)
113	C-1020M/196	1	Spindle housing		B-1000M/72	1	Motor pulley (3HP, 50 cycles)
114	C-8800/89T	1	M10 x 25 long hexagon head bolt		B-1000M/92	1	Motor pulley (3HP, 60 cycles)
115		1	Washer		B-1000M/53	1	Motor pulley, 24mm bore (1 phase, 50 cycles)
116		4	M10 x 20 long hexagon head bolt	129	A-24	2	Var Lock (3 HP, 50 & 60 cycles)
117		4	M10 nut		ALPHA	3	Farmer adjustable vee belt, (3HP, 50 & 60 cycles)
118		4	M10 x 20 long hexagon head bolt				
119		1	M10 x 20 long hexagon head bolt	134	D-1020M/12	1	Backed quadrant for rise and fall
120		1	2/16" wide x 3/4" long key	125		2	6 x 25 long shock spring down
				128	A-1020/21	1	Pivot pin for slide bracket

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



RIP FENCE ASSEMBLY

Ref. No.	Part No.	No. Off.	Description	Ref. No.	Part No.	No. Off.	Description
130	C-1085/23	1	Rip Fence front plate (900mm long).	140	A-1026/323	1	Magnifier housing.
131	A-1085/93	2	Locking plate for rip fence front plate.	141	A-1026/320	1	Slide bar for rip fence magnifier.
132	A-1085/92	1	84mm long stud for rip fence front plate.	142	A-1026/342	1	Locking spindle for magnifier housing.
133	1026/340	2	Locking knobs for rip fence front plate.	143	A-1026/307	1	Can lock ring for rip fence.
134		2	10mm hexagon plastic caps.	144	A-1026/304B	1	Can lock shaft for rip fence.
135	D-1085/31	1	Rip fence body.	145	A-1026/338	1	Locking knob for fence magnifier.
136		4	M8 x 50mm long socket head cap screws.	146	C-1085/33	1	Rip fence adjusting bracket.
137	A-1085/92	1	163mm long stud for rip fence front plate.	147	A-1026/308	1	Planion for rip fence.
138		1	Magnifier lens.			1	9mm I/D x 14mm O/D x 10mm long oilite bush.
139		2	M4 x 5mm long socket head screw.	148		1	9mm I/D x 10mm O/D x 14mm long oilite bush.
				149		1	3" dia. plastic handwheel, 8mm plain bore.
				150		1	

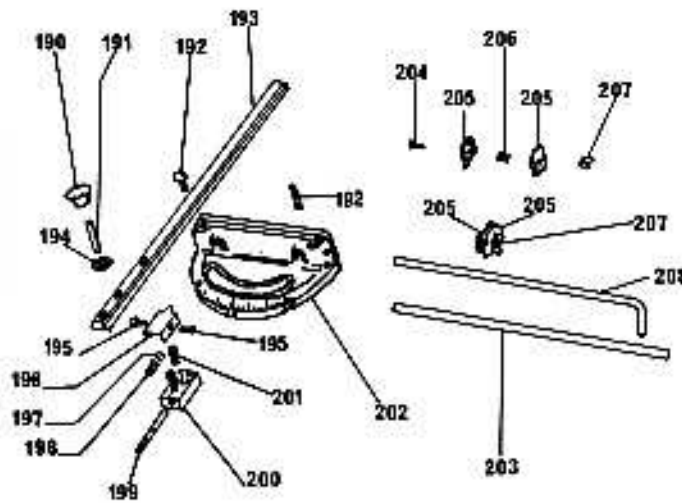


SHEET METAL EXTENSION TABLE ASSEMBLY

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

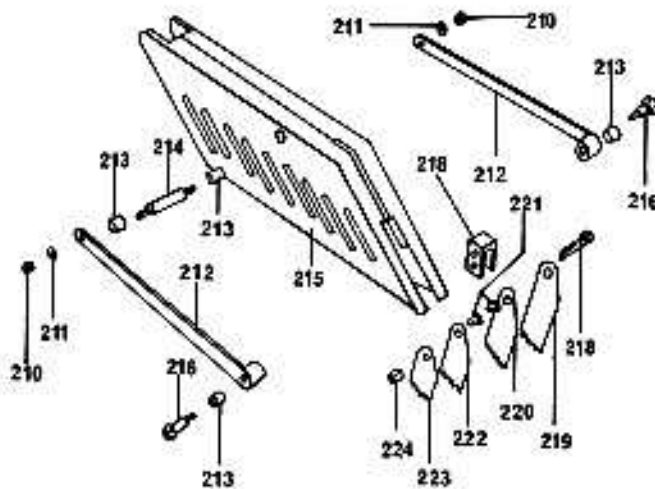
Ref.No.	Part No.	No.Off.	Description.	Ref.No.	Part No.	No.Off.	Description.
170	D-1030/V/135	1	Extension table.	178		2	M10 x 30mm long socket head cap screw.
171		1	M10 x 40mm long socket head cap screw.	179	A-1030/164	4	Extension table locking collars.
172	A-1026/80	2	Extension table adjuster plate.	180	A-1026/84	2	Extension table support leg.
173	A-1030/162	1	Extension table tie bar.	181		4	M10 x 20mm long hexagon head bolt.
174		4	M5 x 5mm socket head grub screw.	182	A-1026M/85	2	Extension table support foot.
175	A-1030/163	2	Extension table end support bar.	183		4	M6 x 12mm long hexagon head bolt.
176	A-1026M/89	2	Two fillets for extension table.	184		8	6mm washer.
177		4	3/8"ØSP x 3/8" long socket set screw.	185		4	M6 nut.

MITRE FENCE ASSEMBLY.



Ref. No.	Part No.	No. Off	Description
190		1	M8 bore x 1 1/2" dia. plastic handwheel
191		1	M8 x 40 long stud
192		2	M8 thumbscrew
193	A-1030M/33	1	Mitre fence tongue
194	A-1028/174	1	Washer for mitre fence
195	Z4	2	1/4" self tapping screw
196	A-1026/227	1	Cover for plunger bracket
197	5103-25	1	"Truearc" grip ring circlip
198	ETS 30	1	Mitre fence plunger spring
199	A-1028/226	1	Mitre fence location pin
200	A-1026/220	1	Mitre fence plunger bracket
201		2	M8 x 10 long button head screw
202	D-1026/219	1	Mitre fence body
203	B-1026/69	1	Mitre fence stop rod (Straight)
204		2	1/4" whit x 1/2" long coach bolt
205	A-1026/68	4	Mitre fence stop plate
206	A-1026/73	2	Mitre fence stop plate spring
207		2	1/4" whit wingnut
208	D-1026/68	1	Mitre fence stop rod (cranked)

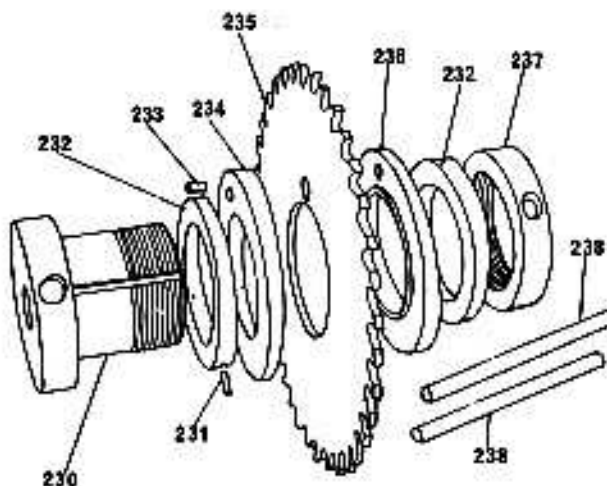
AMERICAN SAW GUARD (SPECIAL)



Ref. No.	Part No.	No. Off	Description
210		2	M6 aerotight nut
211		2	6 washer
212	A-1030/63	2	American saw guard pivot arm
213		4	3/8" bore x 1/2" O/D x 1/4" long nylon bush
214	A-1026M/108	1	Front pivot pin
215	D-1030/62	1	American saw guard
216	A-1026/107	2	Back pivot screw
217		1	M8 x 25 long hexagon head bolt
218	A-1026M/104	1	Pivot block for arm
219	A-1030/32	1	Kick back finger (5.1/8" long)
220	A-1030/32	1	Kick back finger (4.3/8" long)
221	A-1026/109	2	Riving knife pivot bush
222	A-1030/32	1	Kick back finger (3.5/8" long)
223	A-1030/32	1	Kick back finger (2.7/8" long)
224		1	M6 nut

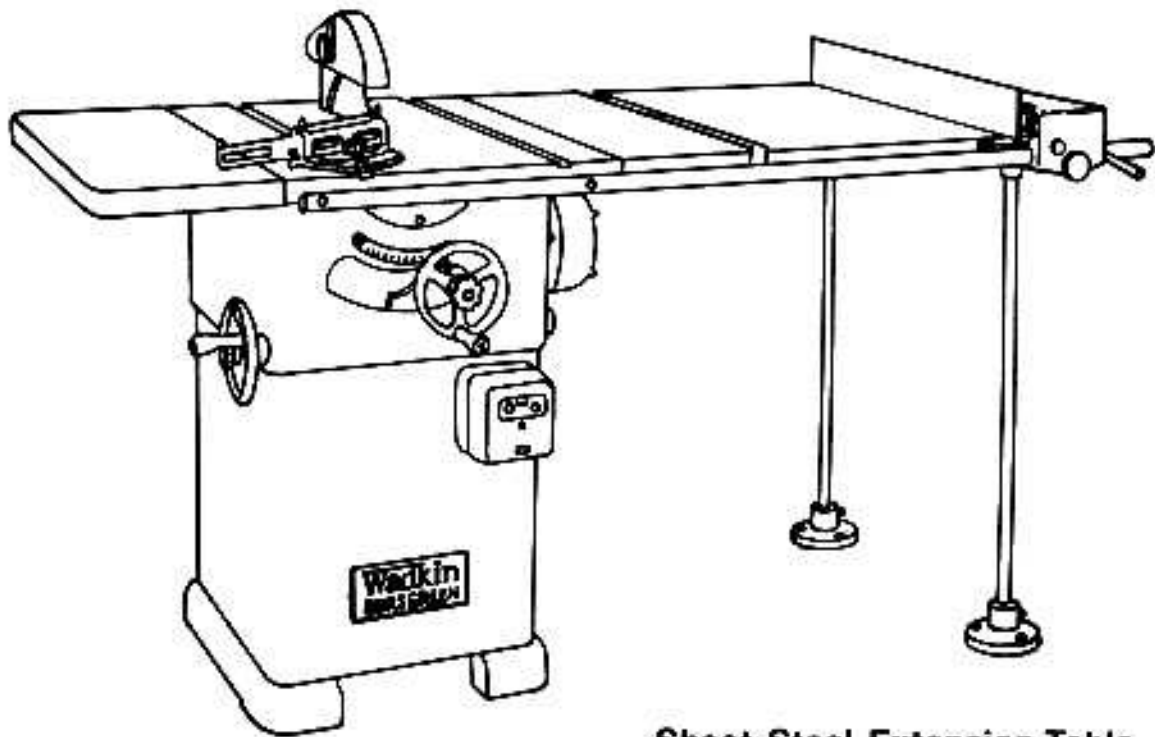
NOTE:-
When ordering replacement parts quote part no. and serial no. of the machine.

WOBBLE SAW ASSEMBLY (EXTRA)



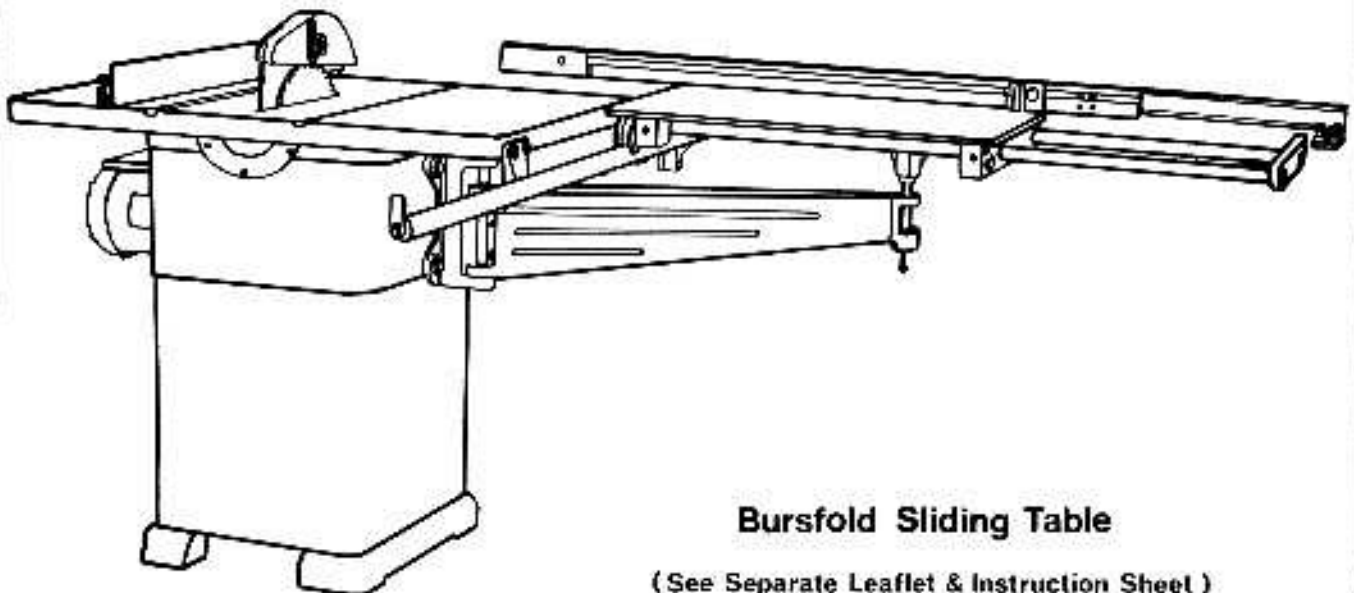
Ref. No.	Part No.	No. Off	Description
230	A-1030/153	1	Wobble saw adapter
231		1	3 dia. x 12 long dowel
232	A-1026/292	2	Small wobble saw collar
233		1	6 dia. x 10 long fluted dowel
234	A-1026/291	1	Large plain wobble saw collar
235	B-8-72B	1	8" dia. wobble saw
236	A-1026/290	1	Large spigotted wobble saw collar
237	A-1026/293	1	Wobble saw locknut
238	A-1026/294	2	Wobble saw toggle bar

NOTE:-
When ordering replacement parts quote part no. and serial no. of the machine.



Sheet Steel Extension Table

MACHINE FITTED WITH SHEET STEEL EXTENSION TABLE AND FLOOR SUPPORTS TO THE RIGHT OF SAW, TO GIVE A MAXIMUM BETWEEN SAW AND FENCE OF 50" (1270MM)

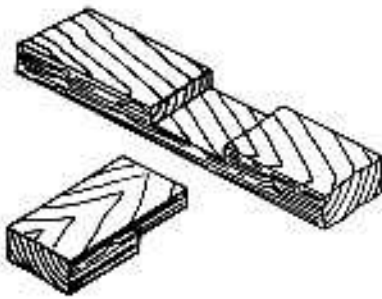


Bursfold Sliding Table

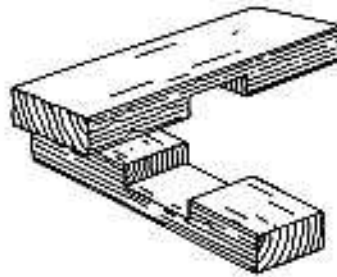
(See Separate Leaflet & Instruction Sheet)

SLIDING TABLE FITTED TO THE LEFT OF SAW CONVERTS MACHINE TO AN INEXPENSIVE PANEL SAW. MAXIMUM WIDTH OF PANEL WHICH CAN BE CUT 33" x 1" (838MM x 25MM), WHEN NOT REQUIRED TABLE FOLDS OUT OF THE WAY OF THE OPERATOR.

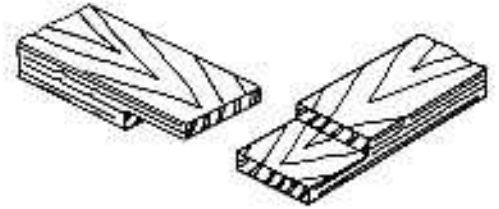
THE ILLUSTRATED JOINTS CAN BE READILY DONE ON THIS MACHINE, SOME MAY REQUIRE SIMPLE JIGS.



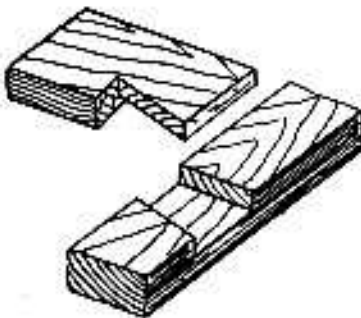
TEE HALF LAP



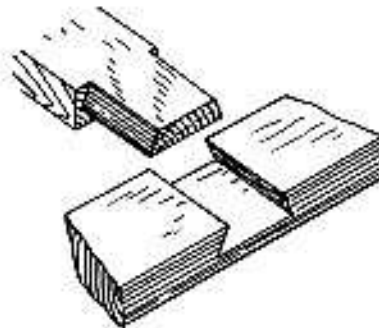
MIDDLE HALF LAP



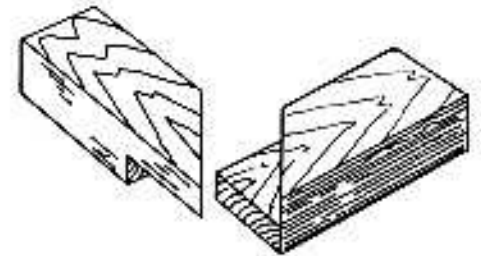
END HALF LAP



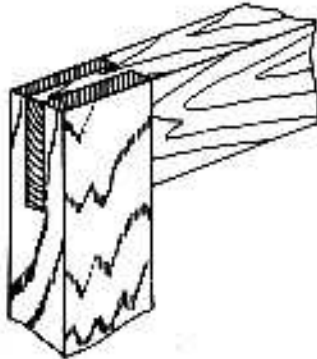
DOVETAIL HALF LAP
(ONE SIDE ONLY).



DOVETAIL HALF LAP



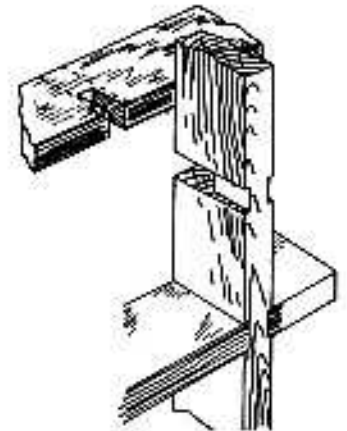
MITRED FACE WITH HALF LAP



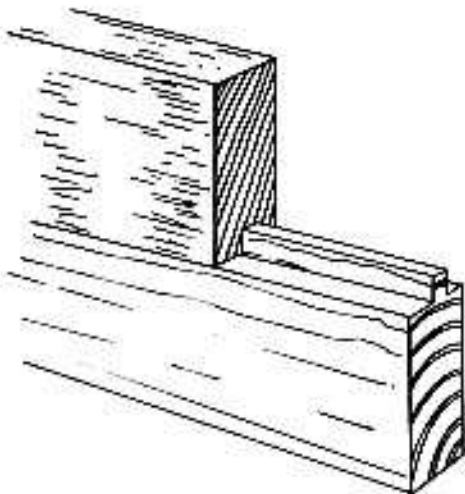
OPEN MORTISE & TENON.



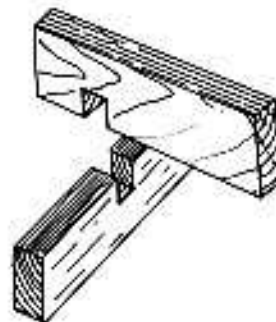
TENONS.



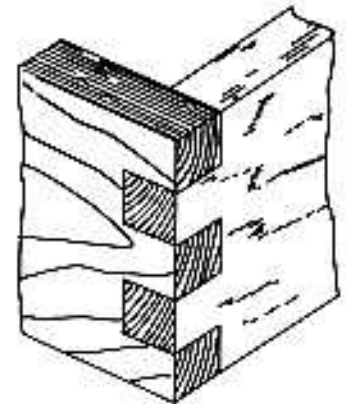
LAPPED JOINT WITH GROOVE
(USEFUL FOR SHELVING).



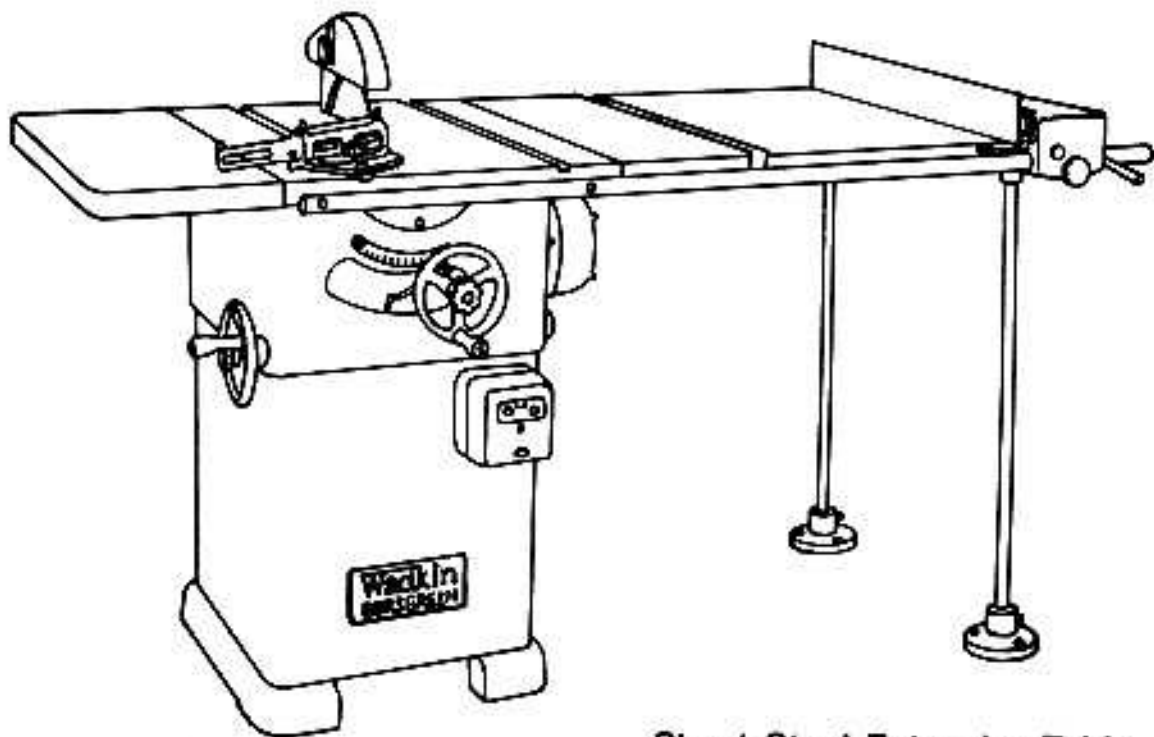
TONGUE & GROOVE



MIDDLE HALF LAP

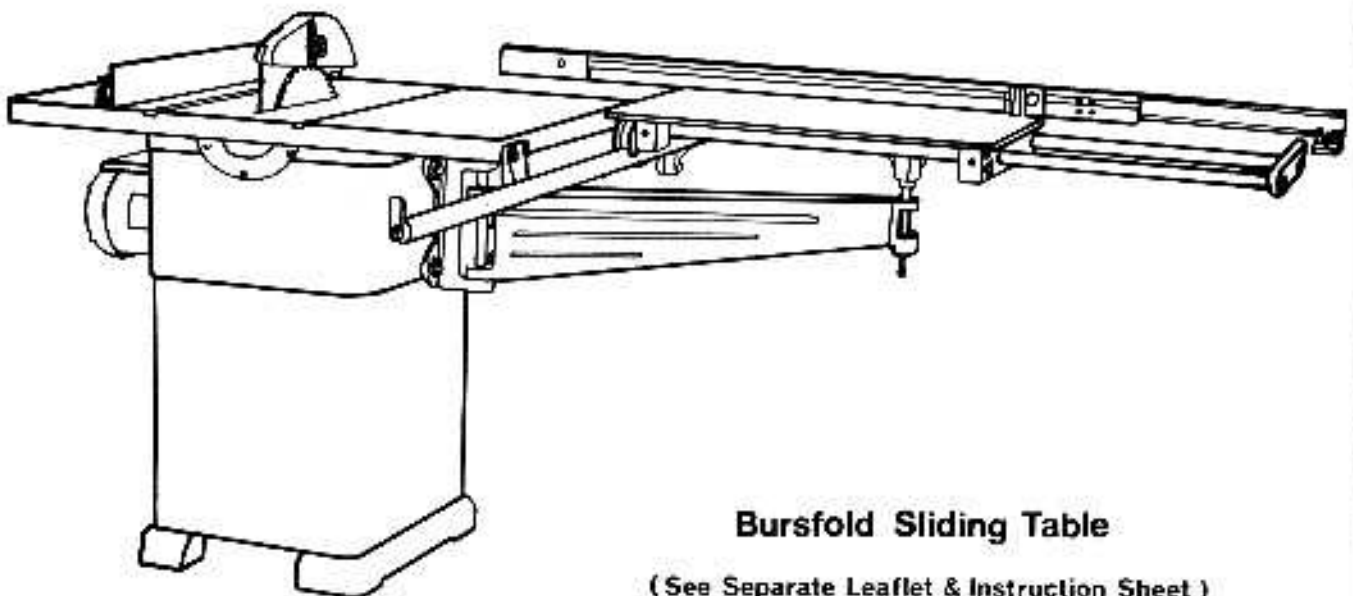


BOX JOINT.



Sheet Steel Extension Table

MACHINE FITTED WITH SHEET STEEL EXTENSION TABLE AND FLOOR SUPPORTS TO THE RIGHT OF SAW, TO GIVE A MAXIMUM BETWEEN SAW AND FENCE OF 50"(1270MM)

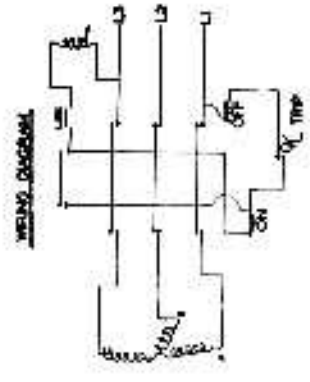
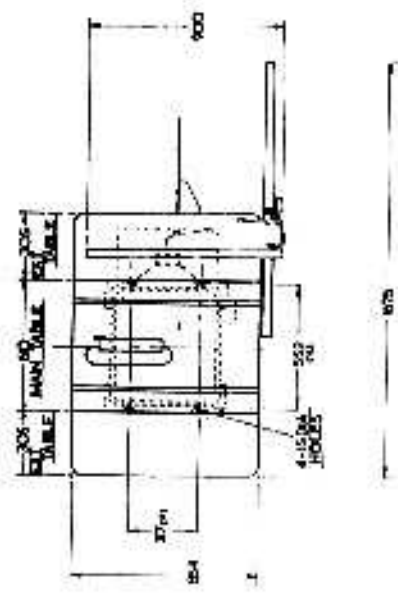
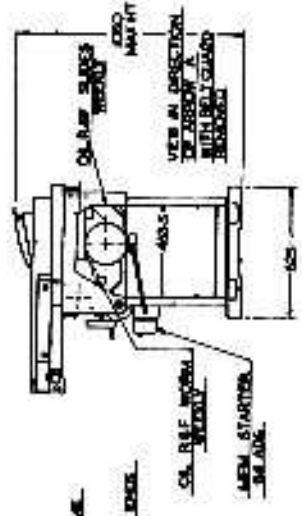
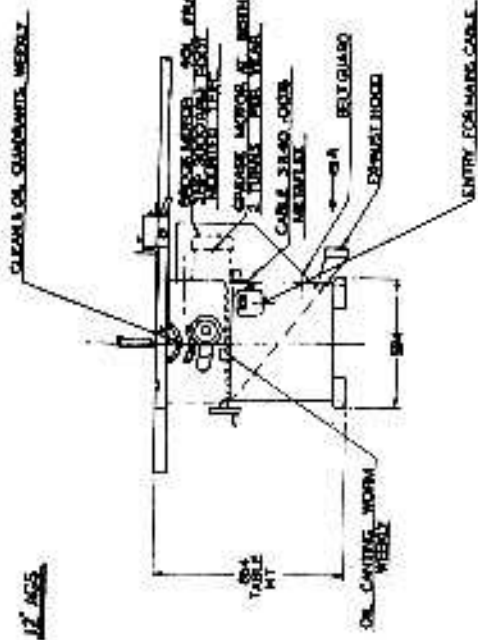


Bursfold Sliding Table

(See Separate Leaflet & Instruction Sheet)

SLIDING TABLE FITTED TO THE LEFT OF SAW CONVERTS MACHINE TO AN INEXPENSIVE PANEL SAW, MAXIMUM WIDTH OF PANEL WHICH CAN BE CUT 33" x 1" (838MM x 25MM). WHEN NOT REQUIRED TABLE FOLDS OUT OF THE WAY OF THE OPERATOR.

12 AGS



OPERATION:

- STANDARD DIA OF SAW BLADE ----- 300
- DIA OF SAW ARBOR ----- 25
- OPTIMAL DIA OF SAW ARBOR ----- 25
- MAXIMUM SAW PROJECTION WITH 1\"/>

BLADE IS ABOVE TABLE WHEN ARBOR IS IN LOWEST POSITION

MAXIMUM DEPTH OF CUT AT 45° WITH 1\"/>

- MAXIMUM HP TO RIGHT OF BLADE ----- 840
- MAXIMUM WIDTH OF DADO CUT ----- 32
- TABLE IN FRONT OF 2\"/>

REVERSE USED:

- 2-2HP 600-2PS BEARING FOR LEFT ----- USED ON SAW SPINDLE
- 2-2HP 600-2PS BEARING FOR RIGHT ----- USED ON SAW SPINDLE
- TYPE OF OIL RECOMMENDED ----- SHELL ALUMINA 3
- TITLE OF OIL RECOMMENDED ----- POWER OIL 45

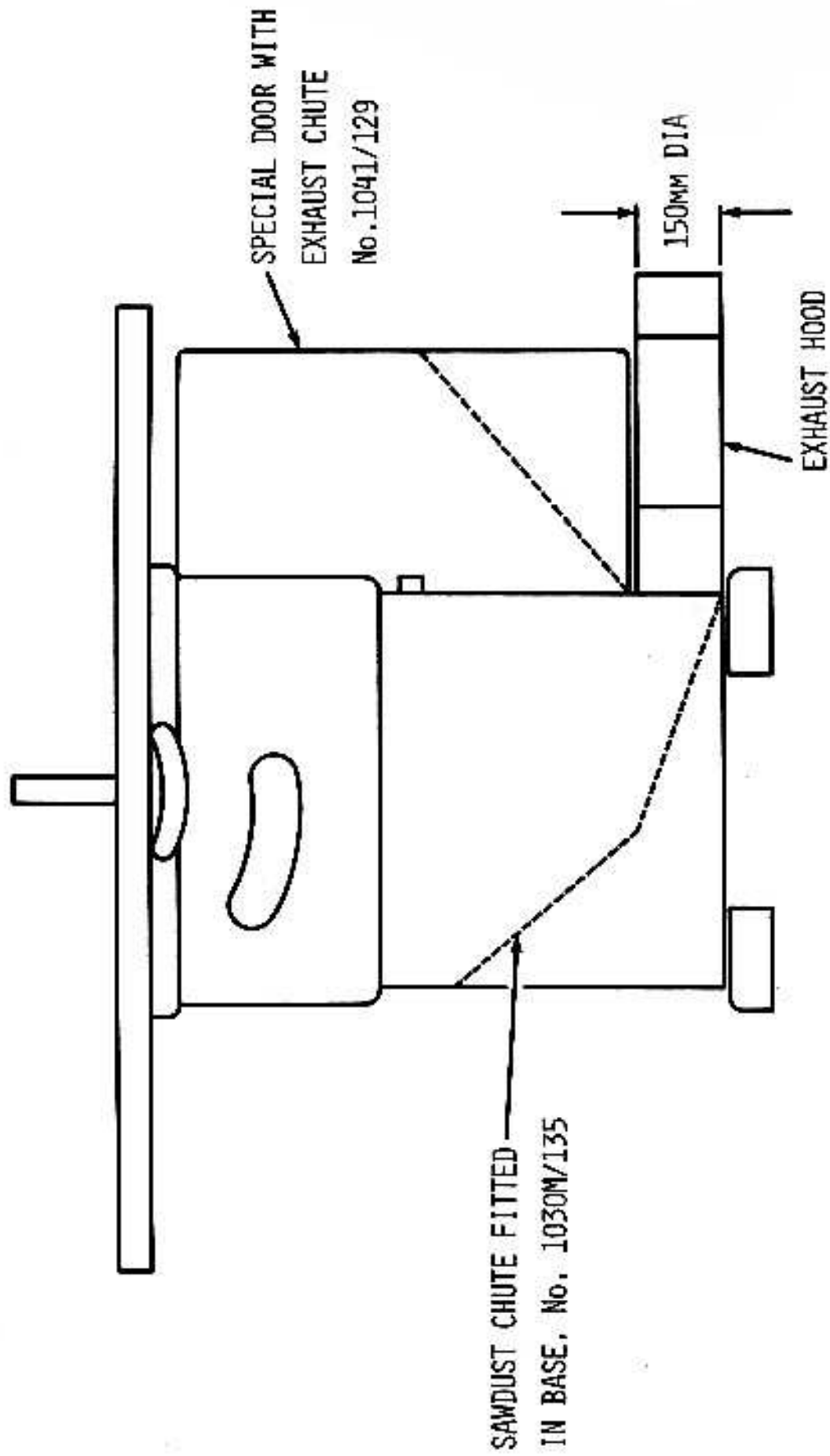
NOTE:

- BEFORE INSTALLING - LEVEL
- TABLE BY PILING UNDER PPLY
- OF BASE

BELTS:

- SIZE 2-ALPHA 250 FORCE SAVER BELT
- 1HP 2-AM VEE BELT

UTILISING ARBOR	SWITCH	BIRSOREN/DURHAM LTD.
FOUNDATION	TYPE	FENCE MOVERS CO. DURHAM
DRAWING	TRACED BY/IT	DRAWING NUMBER
SCALE = 1:10	AGS	C-1000/PD



METHOD OF DUST EXTRACTION ON 12" AGS.