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Woodworking machinery at its best!

8” TABLE SAW
OPERATING INSTRUCTIONS

MODEL: W619

CE

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GENERAL SAFETY RULES

WARNING: Do not attempt to operate the machine until you have read thoroughly and understood completely all instructions, rules, etc. contained in this manual. Failure to comply may result in accidents involving fire, electric shock, or serious personal injury. Keep this owner's manual and review frequently for continuous safe operation.

1.Know your machine. For your own safety, read the owner's manual carefully. Learn its application and limitations, as well as specific potential hazards pertinent to this machine.

2.Make sure all tools are properly earthed.

3.Keep guards in place and in working order. If a guard must be removed for maintenance or cleaning, make sure it is properly replaced before using the machine again.

4.Remove adjusting keys and spanners. Form a habit of checking to see that the keys and adjusting spanners are removed from the machine before switched it on.

5.Keep your work area clean. Cluttered areas and workbenches increase the chance of an accident.'

6.Do not use in dangerous environments. Do not use power tools in damp or wet locations, or expose them to rain. Keep work areas well illuminated.

7.Keep children away. All visitors should be kept a safe distance
8.from the work area.

9.Make workshop childproof. Use padlocks, master switches and remove starter keys.

10.Do not force the machine. It will do the job better and be safer at the rate for which it is designed.

11.Use the right tools. Do not force the machine or attachments to do a job for which they are not designed. Contact the manufacturer or distributor if there is any question about the machine's suitability for a particular task.

12. Wear proper apparel. Avoid loose clothing, gloves, ties, rings, bracelets, and jewellery which could get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.

13. Always use safety glasses. Normal spectacles only have impact resistant lenses. They are not safety glasses.

14. Do not over-reach. Keep proper footing and balance at all times.

15. Maintain the machine in good condition. Keep the machine clean for best and safest performance. Follow instructions for lubrication and changing accessories.

16. Disconnect the machine from power source before servicing and when changing the blade.

17. Never leave the machine running unattended. Turn the power off. Do not leave the machine until it comes to a complete stop.

18. Do not use any power tools while under the effects of drugs, alcohol or medication.

19. Always wear a face or dust mask if operation creates a lot of dust and/or chips. Always operate the tool in a well ventilated area and provide for proper dust removal. Use a suitable dust extractor.

ADDITIONAL RULES FOR CIRCULAR SAWS

1. Ensure that the saw table is clear of off-cuts, tools or anything else that might foul the work-piece.

2. If your saw has a dust extractor hose connected to the crown guard, ensure that it is held clear of the table and will not foul the work-piece as it passes over the table.

3. When cutting large sheets of material or long boards use one or more roller stand(s) to support the work or have a competent helper to support it as it feeds off the rear of the table.

4. Never use the saw without the riving knife and check that it is in line with the blade before using the saw.

5. Always use a brush to clear the table of dust or debris. NEVER use your hands, especially when the machine is running.

6. ALWAYS USE A PUSH STICK WHEN IT IS NECESSARY TO PUSH ANY PIECE OF MATERIAL OF SUCH SIZE THAT IT WOULD BRING YOUR HANDS WITHIN 30 CM OF THE BLADE.

7. Do not cut material that is badly warped or which has screws or nails in it

8. Be extra vigilant when cutting stock which has loose knots in it as these my fly out of the saw.

9. NEVER remove the table insert when the saw is running.

10. To avoid exposure to hazardous dust, do not use this saw without connecting it to a suitable dust extractor.

11. Always work with a sharp saw blade and feed the work at a rate suites to the thickness and hardness of the material.

Note: This table saw has been designed and built solely as a woodworking machine. Do not modify it in any way or use for anything other than its designated purpose. Neither the manufactures nor the supplies are liable for any damage or injury caused by incorrect assembly, operation or electrical connection of this machine.

Specification

Table size	535 x400mm
Table size with extensions	535 x 1000mm
Motor	1100W, 240v single phase
Blade diameter and bore	200mm 30mm
Blade rotation speed (no load)	4700 rpm
Maximum depth of cut at 90°	60mm
Maximum depth of cut at 45°	40mm
Cutting width with table extension	750mm
Cutting width without table extension	150mm
Dust extractor hose connection	100mm
Weight	45kg

Features

Precision ground, cast iron table

Precision ground cast iron sliding carriage

Adjustable guide hells on sliding carriage to ensure accurate travel

0 to 45° blade tilt

Quick stop for 90° position of crosscut fence

Dust extraction for crown guard as well as body of saw

Adjustable feet for easy levelling

Tungsten carbide tipped blade

Unpacking

Cut strapping and lift top and four sides of the crate off - all in one piece. Remove plastic bag, support the two black table extensions as you remove bag. They will not be damaged if they fall but they do make a loud noise!

Pack 2 is a cardboard box which contains 5 aluminium extrusions and one nut and bolt. These latter are loose so make sure that you do not discard them with the packaging.

Lay the saw over on its front and remove the two bolts holding it to the pallet. Support the bottom of the saw as you remove the second bold. There is little weight at this end of the saw, so one hand is adequate. Discard the pallet and remove from the interior of the saw base 2 flexible tubes, 3 jubilee clips, the crown guard, the tube support, the reducer and a bag of parts.

Assembly

While the machine is on its side, take the four feet from the bag of parts and screw them into the four holes in the base. These feet can be adjusted by means of a spanner so that saw table is level after the machine has been put in place.

Return the saw to a vertical position.

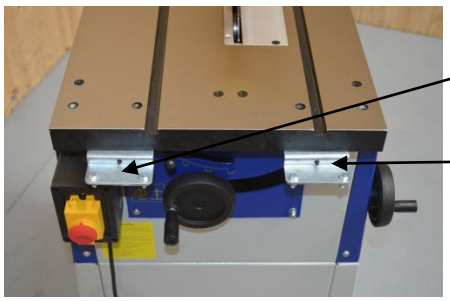
The cast iron table is coated with a layer of grease to prevent rust. This is easily removed with a soft cloth moistened with paraffin or WD40.

Warning

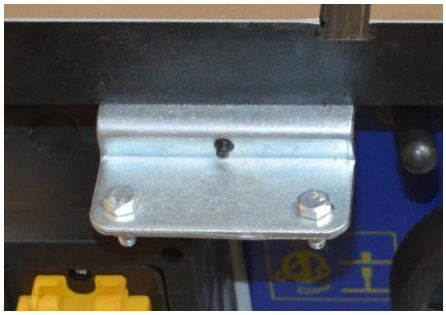
Do not use petrol, thinners or paint stripper to remove grease as these substances may damage the paint finish.

Raise the blade with the hand wheel at the front of the machine. Fit the handwheel from the bag of components to the spindle on the R/H side of the saw, tighten the grubscrew and turn the wheel until the blade is vertical

Check that the riving knife is correctly aligned with the blade and then fit the crown guard to the top of it and tighten the self locking nut with a 10 mm socket (not supplied).

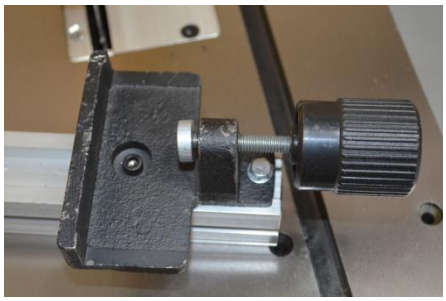


There are two brackets at the front of the saw table and a similar pair at the back. Each one has two hex headed bolts and nuts passing through it and a small black adjuster at the back



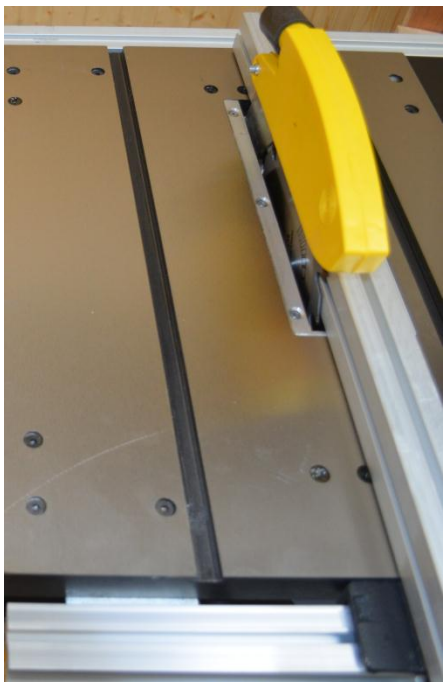
Loosen the nuts and lifting each bolt head in turn, slide one of the two longest aluminium extrusions over them

The extrusion with the scale should be fitted to the front of the table, scale uppermost and in both cases the wide groove should face outwards.
If they are difficult to slide on, make sure that you have slackened the nuts sufficiently and rock the extrusions gently as you move them along. You may need to reach round to the back of the brackets and unscrew the black adjusters a little, if they are binding on the aluminium.



Join the two parts of the rip fence using one cap head setscrew and one hex head bolt.

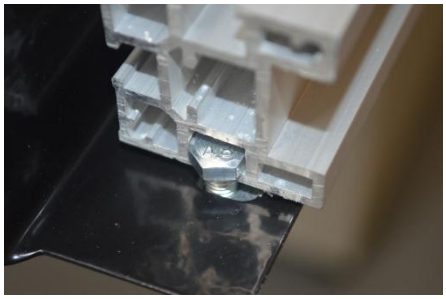
Place it over the front guide rail.



Align the fence with the saw blade and holding it in position, align the 0 on the scale with the left hand edge of the black portion of the fence.

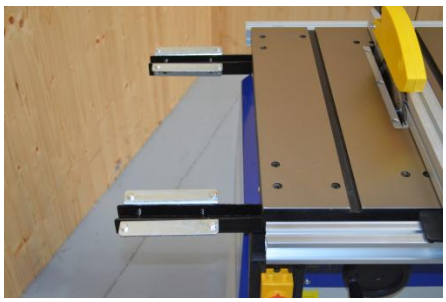
Having done this you can tighten up the nuts thus locking the guide rails in place.

The small black adjusting screws are used to align the guide rails so that the rip fence is parallel with the blade no matter where it is along the length of the rail.

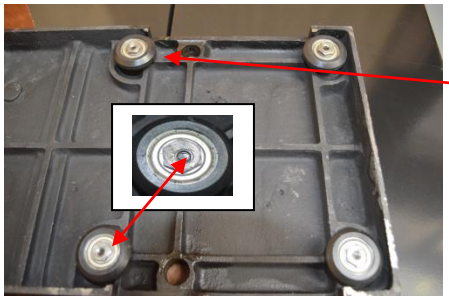


Now take the first of the extension tables, loosen the nuts and bolts and slide it onto the guide rails. Follow it with the second one and tighten all the locking nuts and bolts. If the tables do not slide into place easily, check that the front and back guide rails are really parallel and adjust the rear one if necessary. Do not move the front rail or you will upset the alignment of the rip fence.

Fit the dust collection system.
The bracket holding the plastic connector is fitted to the rear extrusion rail by sliding the bolt head into the extrusion. It can be positioned anywhere along the extrusion. A support arm is fitted into the top side of the extrusion. This holds the top hose out of the way during the cut. There are two hoses which are secured in place using the hose clamps supplied.



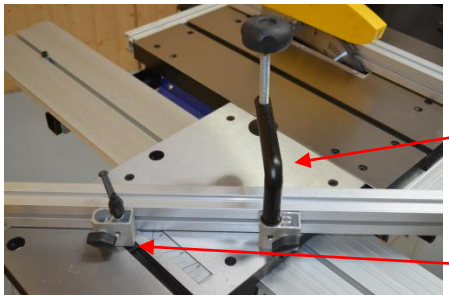
Fit the two brackets which will carry the guide rail for the sliding carriage. These are bolted to the left hand side of the table with the setscrews provided. Leave them slightly loose until the guide rail is in place. Fit the guide rail in a similar way to that with which you attached the front and rear guide rails. Make sure that it is parallel to the saw blade



Before fitting the sliding carriage it should be noted that the two outboard wheels are mounted on eccentrics. Their position can be adjusted with the aid of a 14 mm spanner.

Slide the carriage on to the guide rail.

Fit the front travel stop. This is the loose nut and bolt that that was in the cardboard box with the guide rails.



With the plastic end to the right, slide the two clamping block onto the crosscut/mitre fence.

The Work clamp passes though its block and locates in the large hole at the front of the carriage.

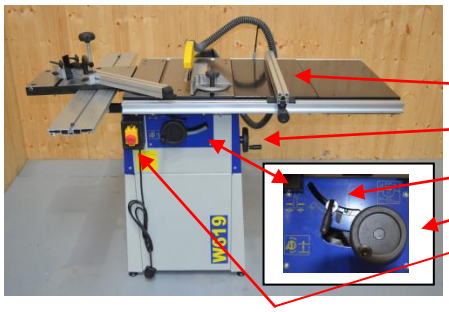
The block with the Kipp handle has its tee headed bolt slid into the keyway on the carriage.

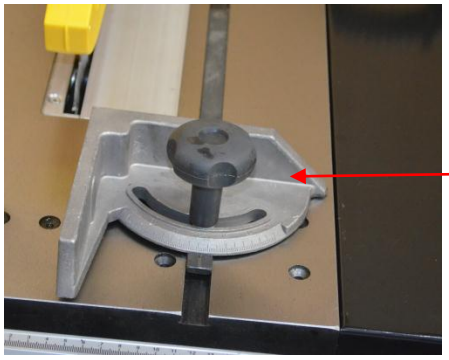
Fit the flip-over length stop

Note: there is a push up stop at the left front corner of the sliding carriage. If you have set up the carriage guide rail correctly this will set the fence to give a 90° cut.

Check all nuts and bolts for tightness.

Using the Table Saw



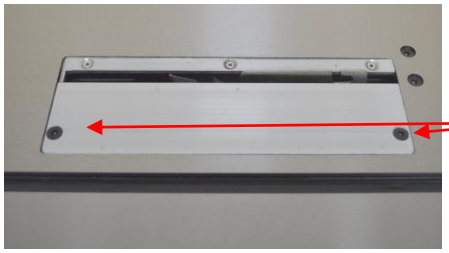


Small cross cut and mitre fence. This may be used on either side of the blade.

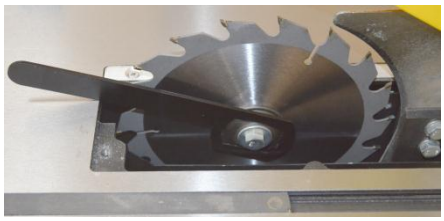
Adjustments to tilt and depth of cut should be made only when the saw is not running. Never force timber through the saw, always let it cut at its own speed.

Always switch off and unplug the saw before removing or replacing the blade.

Blade Removal and Replacement



Remove the table insert by unscrewing the two black setscrews and lifting it off.

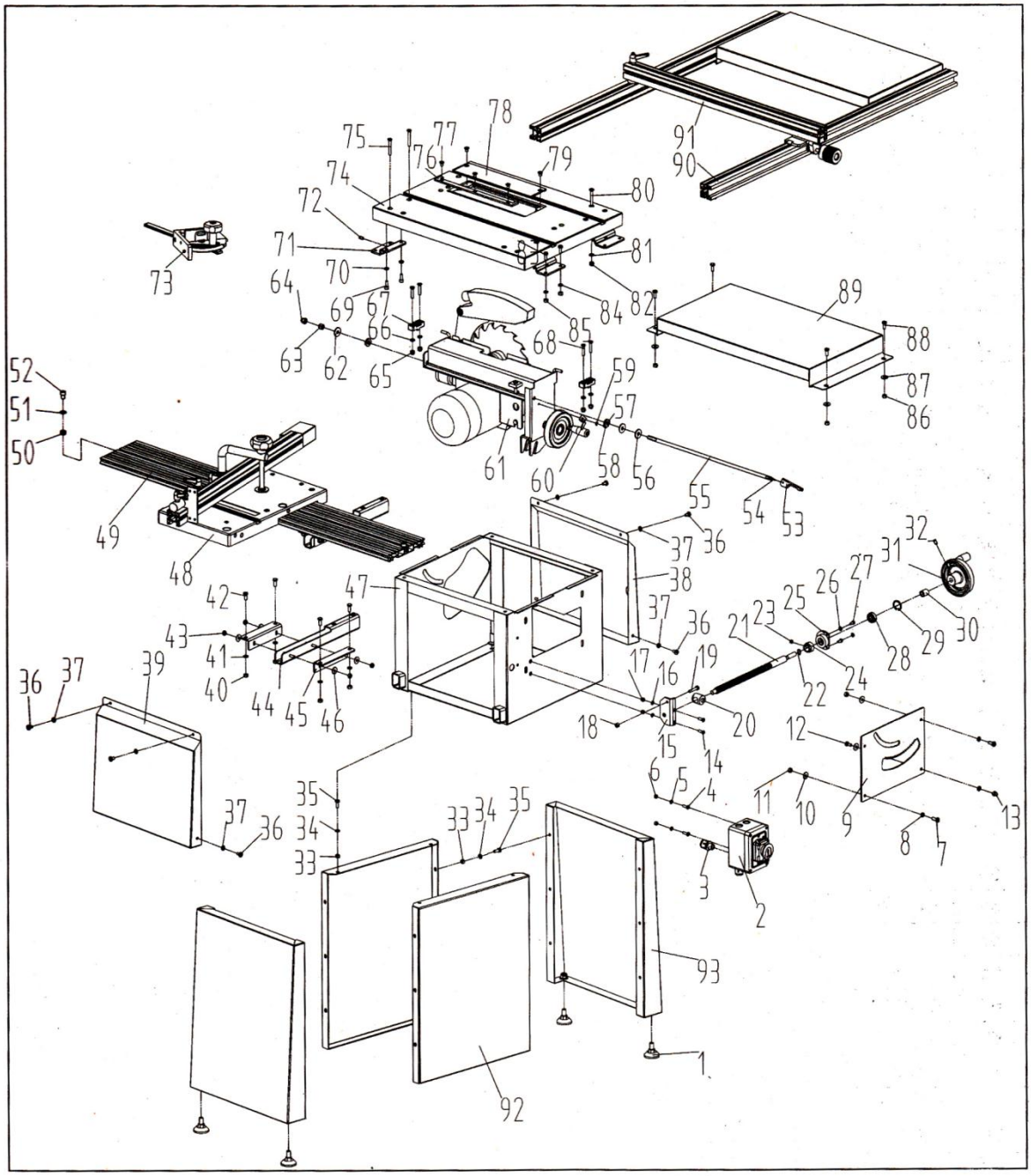


Block the blade by fitting the special spanner supplied over the shoulders of the clamping washer. Unscrew the hex head bolt and remove the blade. Reverse this procedure to refit it.

Troubleshooting

Saw vibrates	Check all nuts and bolts for tightness, check tilt is locked and check that blade is not damaged.
Cuts are slow, wood is blackened	Sharpen or replace blade.
Saw stalls	Feed rate too high, slow down.
Tilt and/or blade height difficult to adjust	Check tilt lock has been released, clean and lubricate mechanism.

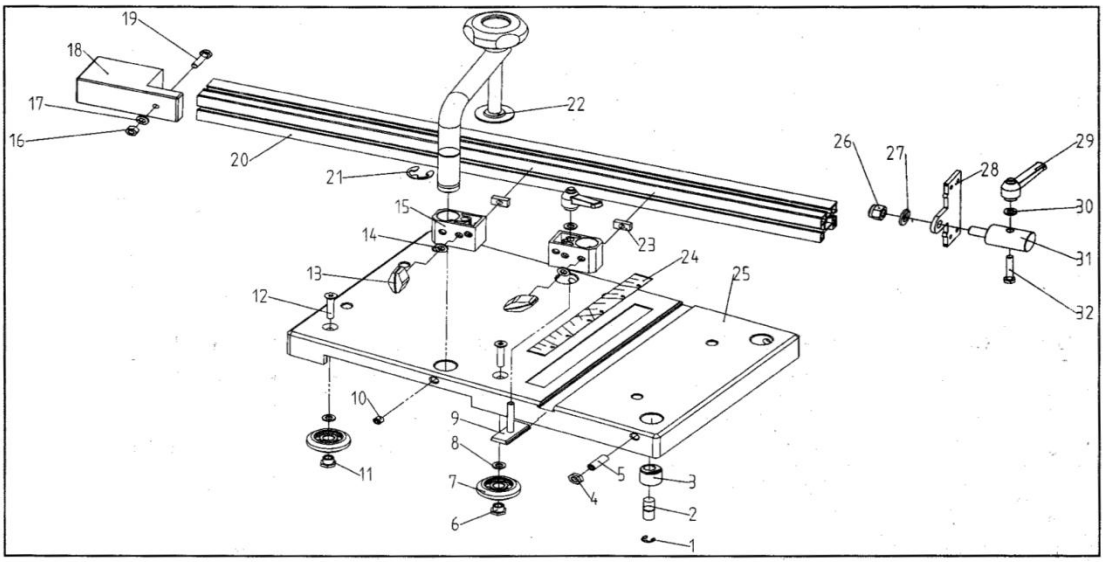
PARTS DIAGRAM A



NO.	CODE	DESCRIPTION	QTY	NO.	CODE	DESCRIPTION	QTY
1	T0814	Foot	4	2		Switch assembly	1
3		Metric bushing M16	2	4	GB818-85	Screw M5X16	2
5	GB97.1-85	Washerφ5	2	6	GB6170-86	Hex nut M5	2
7	GB818-85	Screw M6X16	3	8	GB97.1-85	Washerφ6	4
9	K41925	Saw faceplate	1	10	GB96-85	Large washer 6	4
11	GB6170-86	Hex nut M6	4	12	GB5783-86	Hex bolt M6X12	1
13	GB/T923	Hex nut M6	1	14	GB/T819.1	Screw M5X14	2
15	K41942	Threaded shaft support	1	16	GB97.1-85	Washerφ5	2
17		Locking nut M5	2	18	GB6170-86	Hex nut M6	1
19	GB5783-86	Hex bolt M6X30	1	20	K41937	Threaded nut	1
21	K41941X	Threaded shaft	1	22	GB896-86	C ring φ10	1
23	GB/T77	Set screw M8X6	1	24	K41936	Limitative bush	2
25	K41939	Bearing rack	1	26	GB97.1-85	Washerφ5	3
27	GB5783-86	Hex bolt M5X10	3	28	GB/T276	Bearing 6000	1
29	GB/T893.1	**Circlip**	1	30	K41940X	Space bush	1
31	K41923	Hand wheel	1	32	GB/T77	Set screw M6X12	1
33	GB6170-86	Hex nut M6	16	34	GB97.1-85	Washerφ6	16
35	GB5783-86	Hex bolt M6X16	16	36	GB818-85	Screw M6X10	8
37	GB97.1-85	Washerφ6	8	38	K41926X1	Protective cover	1
39	K41926X2	Protective cover	1	40	GB6170-86	Hex nut M6	8
41	GB97.1-85	Washerφ6	8	42	GB5783-86	Hex bolt M6X16	8
43	GB6170-86	Hex nut M6	8	44	K41917	**Rail support bracket**	2
45	K41916	**Angle bracket**	4	46	GB96-85	Large washer 6	8
47	K41927	Box assembly	1	48	K41901	Sliding table assembly	1
49	K41913	Guide rail	1	50	GB6170-86	Hex nut M8	2
51	GB97.1-85	Washerφ8	2	52	GB70-85	Screw M8X10	2
53	K4192102	Locking handle	1	54		Pin 3X12	1
55	K4192103	Locking shaft	1	56	GB96-85	Large washer 8	2
57	K41922	Space bush	2	58	GB818-85	Screw M4X6	1
59		Tooth washer 4	1	60	K41912	pointer	1
61	K41907	Saw assembly	1	62	GB96-85	Large washer 8	1
63		locking nut M8	1	64	GB/T923	Hex nut M8	1
65		Locking nut M6	4	66	GB97.1-85	Washerφ6	4
67	K41932	Supporting rear	2	68	GB/T70.3	Screw M6X30	4
69	GB70-85	Screw M6X16	8	70	GB97.1-85	Washerφ6	8
71	K41904	Supporting plate	4	72	GB/T75	Screw M6X12	4
73	K41906	MITER GAUGE	1	74	K41934	Main table	1
75	GB/T70.3	Screw M6X45	4	76	K4190716	Aluminous plate	1
77	GB/T819.1	Screw M4X10	3	78	K41931	Insert	1
79	GB/T819.1	Screw M6X10	2	80	GB/T819.1	Screw M6X45	4
81	GB97.1-85	Washerφ6	4	82		Locking nut M6	4
83	GB5783-86	Hex bolt M6X16	8	84	GB97.1-85	Washerφ6	8
85	GB6170-86	Hex nut M6	8	86	GB6170-86	Hex nut M6	8
87	GB96-85	Large washer 6	8	88	GB5783-86	Hex bolt M6X16	8

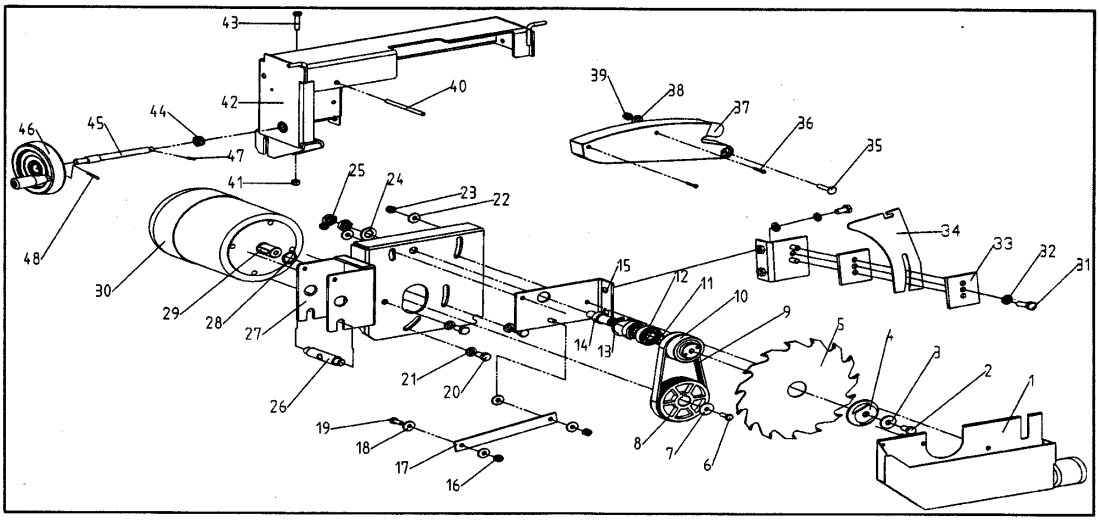
89	K41911	Extending table	2	90	K41909	Vertical fence	2
91	K41905	Fence assembly	1	92	K4192706	Linking plate	2
93	K4192706	Supporting plate	2				

PARTS DIAGRAM B



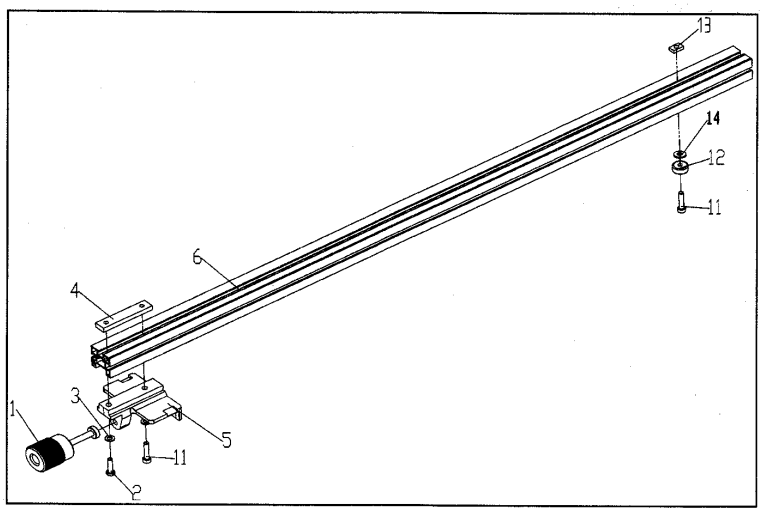
NO.	CODE	DESCRIPTION	QTY	NO.	CODE	DESCRIPTION	QTY
1	K0105	C-shaped ring	1	2	K0104	sliding axle	1
3	K0103	Eccentric bush	1	4	GB6172-86	Hex thin nut M8	1
5	GB77-85	Set screw M8X25	1	6	K0118	Eccentric nut	2
7	K0117	Trolley	4	8	GB97.1-85	Washer φ6	4
9	K0112	T-shaped bolt	1	10	GB78-85	Set screw M8X10	1
11	K0120	Eccentric nut	2	12	CTLS	Socket countersunk screw M6X35	4
13	K0107	Hand grip	2	14	GB97.1-85	Washer φ6	3
15	K0113	Connecting block	2	16	GB6170-86	Hex nut M6	1
17	GB97.1-85	Washer φ6	1	18	K0113	Plastic moulding	1
19	GB5783-86	Hex bolt M6X25	1	20	K0106	Angle fence	1
21	GB896-86	"E" ring φ12	1	22	K0115	Press handle	1
23	K0108	Square toes nut	2	24	K0119	Angle.ruler	1
25	K0109	Sliding table	1	26	ZSM10	Locking nut M10	1
27	GB97.1-85	Washer φ10	1	28	K0111	Turing plate	1
29	K0102	Small handgrip	2	30	GB97.1-85	Washer φ6	1
31	K0101	Threaded spindle	1	32	GB5783-86	Hex bolt M6X35	1

PARTS DIAGRAM C



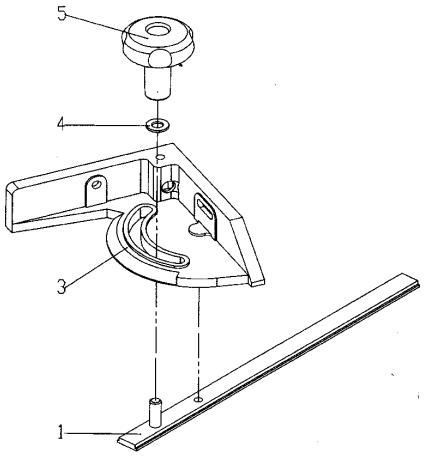
NO.	CODE	DESCRIPTION	QTY	NO.	CODE	DESCRIPTION	QTY
1	K0707	Dust collector	1	2	GB5783-86	Hex bolt M8X16	1
3	GB96-85	Washer	1	4	K0708	Platen	1
5		saw blade	1	6	GB5783-86	Hex bolt M6X16	1
7	GB5287-85	Very large washer φ6	1	8	K0710	Motor pulley	1
9	5PJ422	V belt	1	10	K0709	Driven pulley	2
11	GB894.1-86	Circlip	1	12	GB/T276-94	Bearing 6202	2
13	GB893.1-86	Circlip	1	14	K0711	Saw axis	1
15	K0712	Parallel plate	1	16	ZSM6	Locking nut M6	2
17	K0713	Connecting plate	1	18	GB96-85	Large washer φ6	4
19	GB5783-86	Hex bolt M6X16	1	20	GB5783-86	Hex bolt M8X16	3
21	GB97.1-85	Washer φ8	3	22	GB96-85	Large washerφ6	2
23	ZSM6	Locking nut M6	2	24	GB97.1-85	Washer φ12	1
25	GB6172-86	Hex thin nut M12	2	26	K0703	Turning pole	1
27	K0702	Motor rack	1	28	GB894.1-86	Circlip	1
29	GB1096-79	Key 6X25	1	30	K0714	Motor	1
31	GB5783-86	Hex bolt M8X25	1	32	GB97.1-85	Washer φ8	1
33	K0706	Clamp plate	2	34	K0705	Riving knife	1
35	GB/T794-88	Bolt M6X30	1	36	PZGS	Screw M3X20	2
37	K0715	Exterior dust collector	1	38	GB97.1-85	Washer φ6	1
39	ZSM6	Locking nut M6	1	40	GB879-86	Spring pin 6X85	1
41	GB6170-86	Hex nut M6	1	42	K0701	Turning support	1
43	GB5783-86	Hex bolt M6X30	1	44	ZSM10	Locking nut M10	1
45	K0704	Bolt shaft	1	46	K41923	Hand wheel	1
47	GB879-86	Spring pin 3X16	1	48	GB879-86	Spring pin 3X25	1

PARTS DIAGRAM D



NO.	CODE	DESCRIPTION	QTY	NO.	CODE	DESCRIPTION	QTY
1	K0501	Locking handle	1	2	GB5783-86	Hex bolt M6X25	1
3	GB97.1-85	Washer φ6	1	4	K0504	Fixing plate	1
5	K0503	Locking bracket	1	6	K0506	Long fence	1
11	GB70-85	Socket cap screw M6X30	2	12	K0507	Rubber washer	1
13	GB6170-86	Hex nut M6	1	14	GB/T96.2-2002	Washer	1

PARTS DIAGRAM E



NO.	CODE	DESCRIPTION	QTY	NO.	CODE	DESCRIPTION	QTY
1	K0603	T-shaped plate	1	2			
3	K0601	Miter gauge	1	4	GB97.1-85	Washer φ8	1
5	K0602	Long handle	1				

WIRING DIAGRAM