HARE&FORBES
MACHINERYHOUSE

Established 1930
Distributors of new & used workshop Equipment

W441 ST-13

TABLE SAW

OPERATION & PARTS

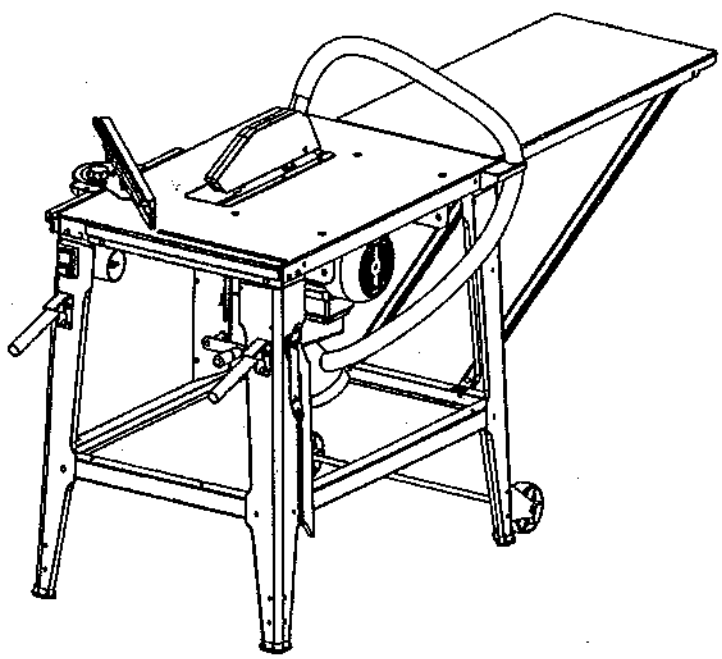
MANUAL

17-07-2003

W441 ST13 17/7/03

Operating Instructions

Table Saw



Read this instruction carefully before operating this machine.

General Safety Instructions

WARNING!

Read all these instrutions before attempting to operate this to operate this productt and save these instructions.When using electric tools,basic safety pretty precautions should always be followed to reduce the risk of fire,electric shock and personel injury, including.

1. **Keep work area clear:**
   Cluttered areas and benches invite injuries.

2. **Consider work area environment:**
   Do not expose tools to rain or high humidity.
   Do not use tools in damp or wet locations.
   Keep work area well lit.
   Do not use tools in the presence of flammable liquids or gases.

3. **Guard against electric shock:**
   Avoid body contact with earthed or grounded surfaces.

4. **Keep other persons away.**
   Do not let persons involved in the work, especially children, touch the tool or extension cord and keep them away from the work area.

5. **Store idle tools away:**
   When not in use, tools should be stored in a dry locked-up place out If reach of children.

6. **Do not force the tool:**
   It will do the job better and safer at the rate for which it was intended.7.

7. **Use the right tool:**
   Do not force small tools to do the job of a heavy-duty tool.
   Do not use tools for purposes not intended,for example,do not use circular saws to cut tree limbs,logs..

8. **Dress properly:**
   Do not wear loose clothing or jewellery, they can be caught in the moving parts.
   Non-skid footwear is recommended when working outdoors.
   Wear protective hair covering to contain to contain long hair .

9. **Use protective equipment:**
   Use safety glasses.
   Use face or dust mask if cutting operations create dust.
   Use ear protection at all times

10. **Connect dust extraction equipment:**
    If devices are provided for the connection of dust extraction and collecting equipment,ensure these are connected and properly used.

11. **Do not abuse the cord:**
    Never pull the cord to disconnect it from the socket.Keep the the cord away from heat,oil and sharp edges.

12. **Secure work:**
    Where possible use clamps or a vice to hold the work it is safer than using your hands.
13. **Do not overreach:**

14. **Keep proper footing and balance at all times:**
    Keep cutting tools sharp and clean for better and safer performance.
    Follow instructions for lubricating and changing accessories.
    Inspect tool cords periodically and if damaged have them replaced by an authorized service center.

Keep handles dry and clean .

15. Disconnet tools:
When not in use, before serving and when changing accessories such as blades, bits and cutters, disconnect tools from the power supply.

16. Remove adjusting keys and wrenches:
From the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning in on.

17. Avoid unintentional starting:
Ensure switch is in "off" position when plugging in power supply.

18. Use outdoor extension leads:
When the tool is used outdoors, only extension extension cords intended for outdoor use and so marked.

19. Stay alert:
Watch what you are doing, use common sense and do not operate the tool when you are tired.

20. Check damaged parts:
Before furthur use of tool, it should be carefullv checked to determine that it will operate properly and perform its intended function.
Check for alignment of moving parts, binding of moving parts. Breakage of parts. Mounting and any other conditions that may affect its operation.
A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated in thie instruction manual.
Center defecive switches replaced by an authorized service center.
Do not use the tool if the switch does not turn it on and off.

21. Have your tool repaired by a qualified person:
This electric tool complies with the relevant safety rules and regulations in Australia and New Zealand.
Repairs should only be carried out by qualified persons, using original spare parts. othewise this may result in considerable danger to the user.

22. Warning:
The use of any accessoty or attachment other than one recommended in this instruction manual may present a risk of personal injury.

TECHNICAL DATA

AC motor	P_1 1.8kw S6 40%
Isolation class	B
Table size	800x550mm
Table height	850mm
Cutting depth	82mm
Mnotor speed	2950rpm
Voltage	230V~50Hz
Saw blade	ϕ315xϕ30x3mm

Assembly

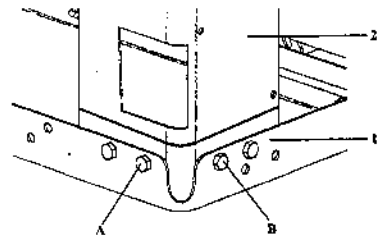


fig. 1

Put the main part 1 on the proper table for tools . Use 3 pcs M6X16 six-head screw、1 pcs M6X20 six-head screw 、4 pcs flat washer 6 、4 pcs M6 Nut to assemble the part 2 on the main part 1 .(the screw can't be tightened too firmly , M6X20 six-head screw in the position A)

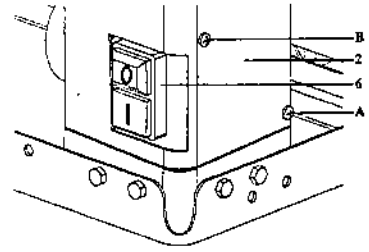


fig. 2

Use 2 pcs pan head screw M4X60、2 pcs pc washer 、2 pcs M4 Nut to mount the switch (6) on the part 2 .

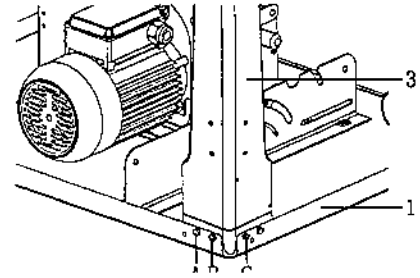


fig. 3

Use 3 pcs M6X16 、1 pcs M6X20 six-head screw 、4 pcs M6 flat washer 、4 pcs M6 Nut to assembly the part 3 on the main part 1. The screw can't be tightened too firmly .(M6X20 six-head screw in the position B)

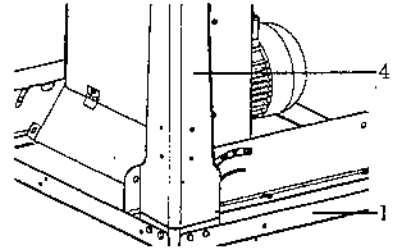


fig. 4

Use 4 pcs M6X16 six-head screw 、4 pcs M6 flat washer 、4 pcs M6 Nut to assemble the part 4 on the main part 1 . The screw can't be tightened too firmly.

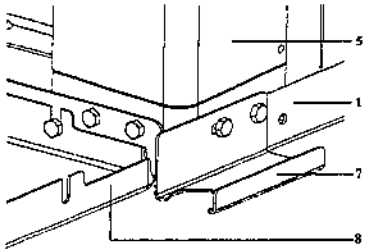


fig. 5

Use 6 pcs M6X16 six-head screw 、6 pcs M6 flat washer 、 6 pcs M6 Nut to assemble the part 5 、the part 7、the part 8 on the main part 1 .The screw can't be tightened too firmly.

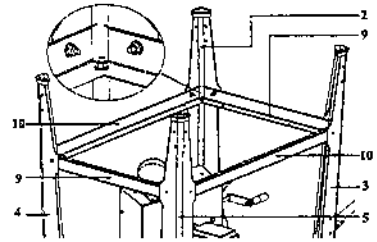


fig. 6

Use 12 pcs M6X16 six-head screw 、 12 pcs M6 flat washer 、 12 pcs M6 Nut to connect the part 9、10 and part 2、3、4、5 .The screw can't be tightened too firmly .

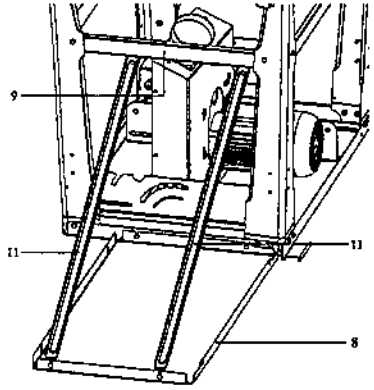


fig. 7

Use 4 pcs M6X16 six-head screw 4 pcs M6 flat washer 、 4 pcs M6 Nut to connect the part 11 and part 8 、 9 . The screw can't be tightened too firmly .

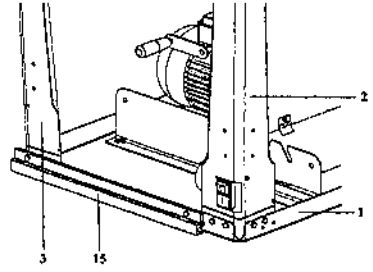


fig. 8

Assembly the part 15 on the front side of the main part 1 .In the process ,1 pcs M6X16 six-head screw 、 1 pcs M6 washer . 1 pcs Nut and 1 pcs M6X20 six-head screw (in the position of A)

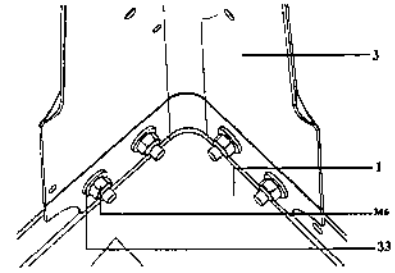


fig. 9

Assembly the part 15 on the front side of the main part 1, in the process ,1 pcs M6X16 sex head screw 、1 pcs M6 washer、1 pcs M6 Nut and 1 pcs M6X20 six head screw (in the position of A)

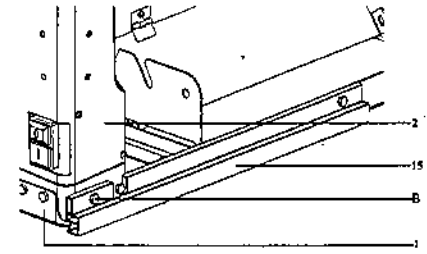


fig. 10

Assembly the part 15 on the left side on the main part 1, in the process , 1 pcs M6X16 six head screw、1 pcs M6 washer、1 pcs M6 Nut and 1 pcs M6X20 six head screw (in the position of B)

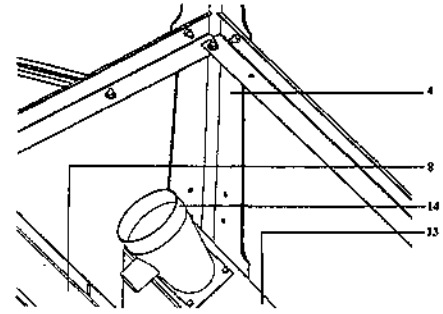


fig. 11

Use 4 pcs M4X10 six head screw to assemble part 14 on the part B

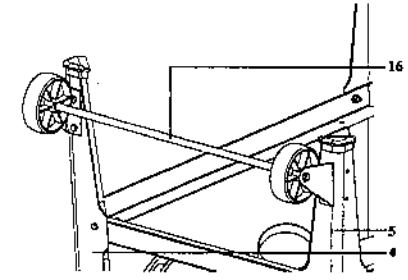


fig. 12

Use 4 pcs M6X16 six-head screw、4 pcs M6 Nut、4 pcs flat washer to assemble the part 16 . Assembly on the part 4 and part 5 . The screw can't be tightened too firmly

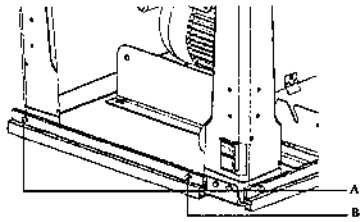


fig. 13

In fig 14 , the screw in the position of A and B are tightened firmly . The end of the screw must can be at the same level.

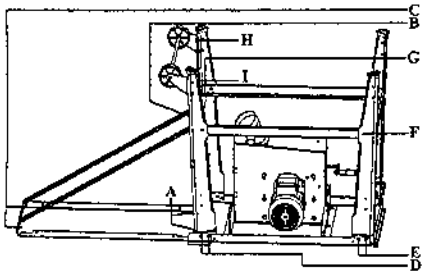


fig. 14

Except the position of H according to the order from A to G tighten all the unmouted screws.

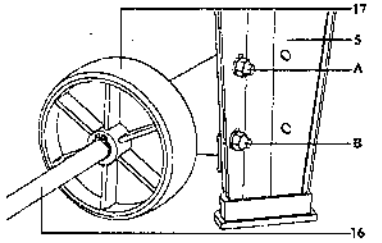


fig. 15

Torn over the machine and make it stand,then adjust the part 17 on the spare part 16 to make the part 17 reach the ground use screw to fix it.

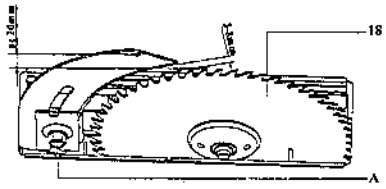


fig. 16

Do not loosen screw Nut A and assemble the part 18 .Adjust the position from it to the blade according to the measure in the figure , then tighten the screw Nut A.

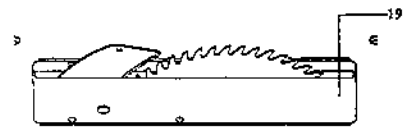


fig. 17

Bring down the blade insert the part 19 then use 4 pcs M6X16 cross counter –sunk screw to fix it,

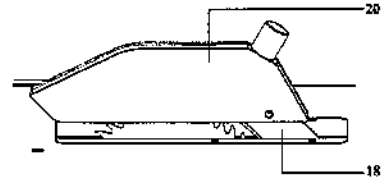


fig. 18

Use M6X25 cross round-head screw 、 M6 lock screw Nut to assemble the 20 on the part 18.

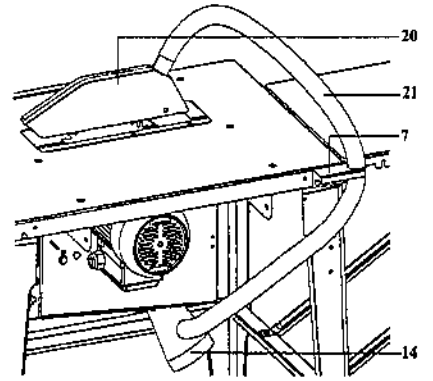


fig. 19

Use the part 21 to connect the blowing–wind hole in the part 20 and in the part 14 .Then clip the part 21 on the part 7.

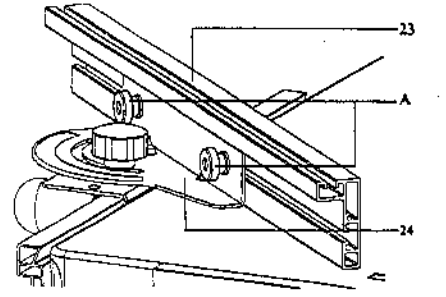


fig. 20

Use 2 pcs M6X20、2 pcs M6 papilionaceous screw nut to assemble the part 23 on the part 24.

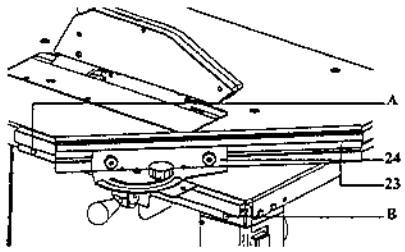


fig. 21

Push the assemble part into the chamfer of the guide

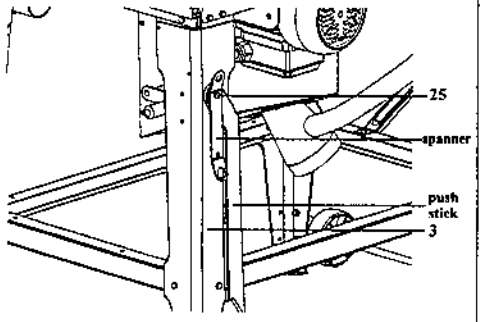


fig. 23

Use 2 pcs M6 screw nut 、2 pcs M6 flat washer to fix the part 25 push stick on the part 3.

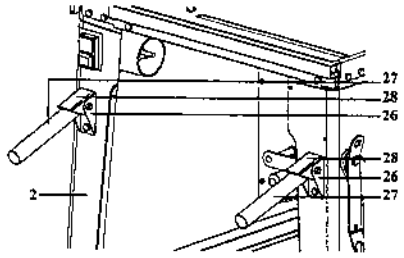


fig. 24

Use 4 pcs M6X16 six-head screw 、4 pcs 、M6 flat washer 、4 pcs M6 Nut to fix part 26、27、28 on the part 2 and part 3.

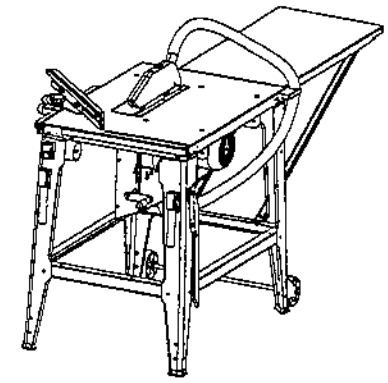


fig. 25

Now finishing assembling the whole machine .

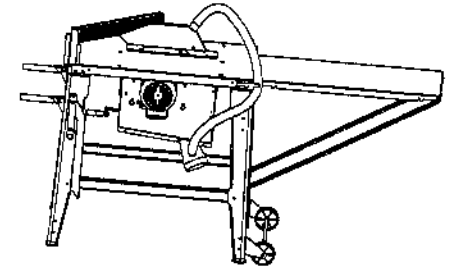


fig. 26

The machine is easy to move.

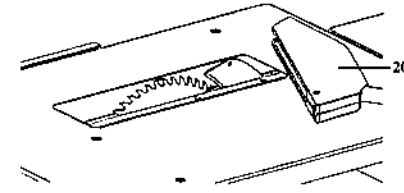


fig. 27

Loosen the screw and dismount the part 20.

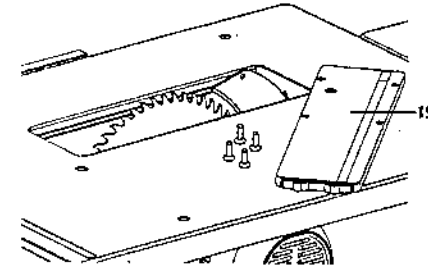


fig. 28

Loosen the screw and dismount the part 19 .

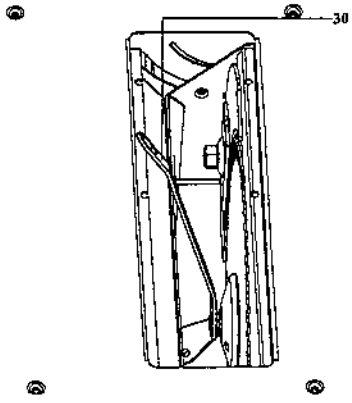


fig. 29

Use specified tool 30 to Loosen the screw fixing the blade .

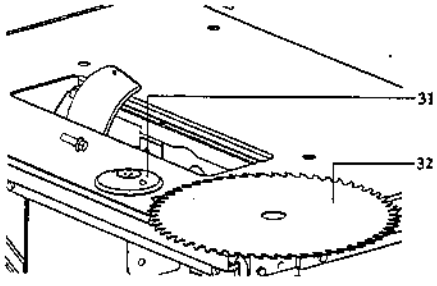
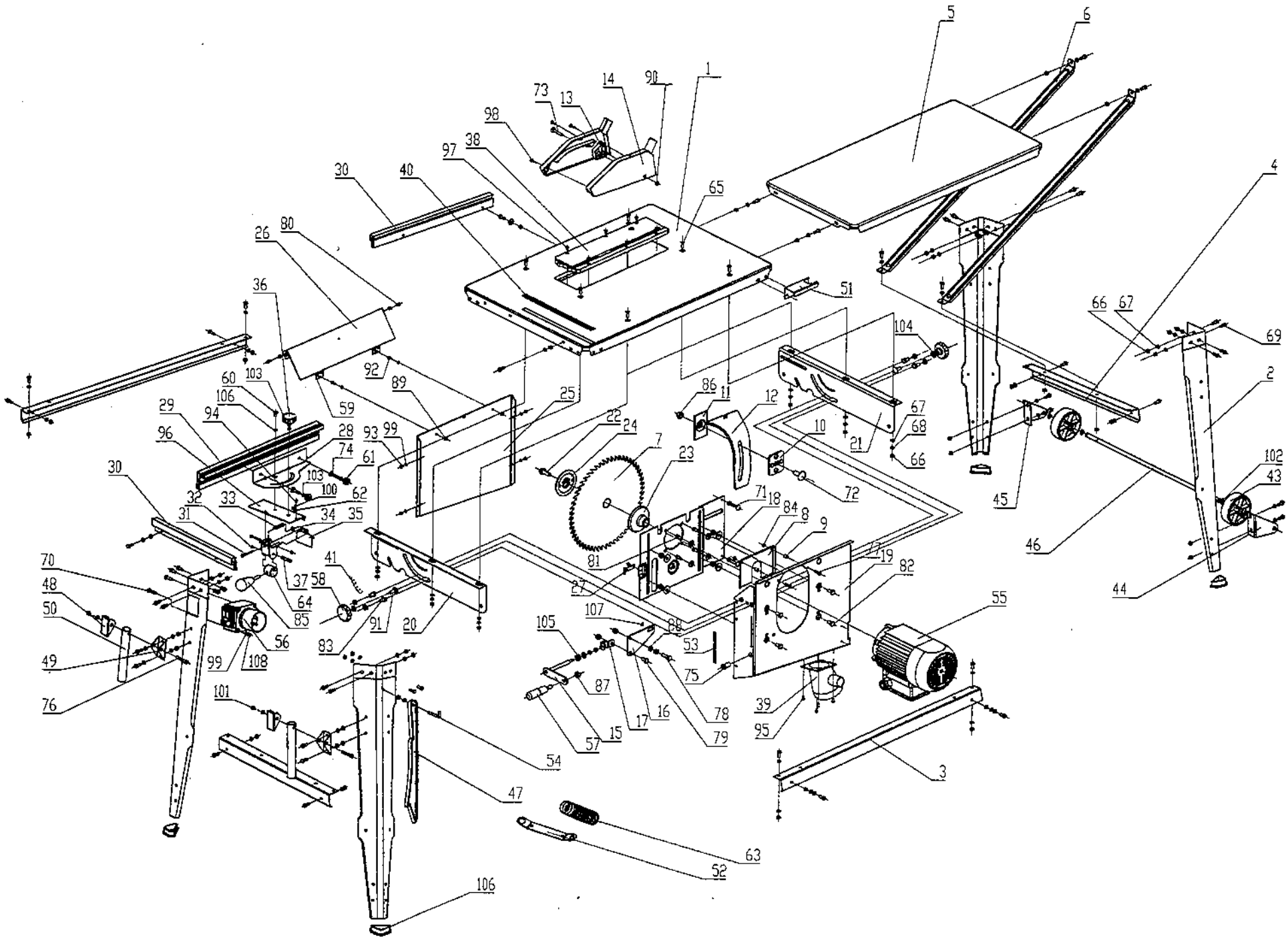


fig. 30

Dismount the part 31 and the blade 32 ,then can change the new blade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Item No.	DESCRIPTION	QTY.	Item No.	DESCRIPTION	QTY.
1	Working table	1	55	Motor	1
2	Stand leg	4	56	Switch, 230v	1
3	Strut long	2	57	Blade height setting handle	1
4	Strut short	2	58	Locking knob	2
5	Extension table	1	59	Hinge	2
6	Strut-extension table	2	60	Fit bolt	1
7	Saw blade	1	61	Nut	2
8	Holding plate	1	62	Scale poiint	1
9	Holding plate tube	2	63	Dust Extractor	1
10	Riving knife sliding seat	1	64	Eccentric wheel	1
11	Pressure plate	1	65	Hexagon socket countersunk(flat) head cap screw	
12	Riving knife	1	66	Hexagon nut 1-style	
13	Blade cover right	1	67	Plain washer	58
14	Blade cover left	1	68	Spring washer	10
15	Handle	1	69	Hexagon bolt	45
16	Guide Block	1	70	Cross recessed pan head tapping screw	4
17	Connecting block	1	71	Cup head square neck bolt	2
18	Motor Bracket	1	72	Cup head square neck bolt	1
19	Chips box	1	73	Cross recessed pan head screw	1
20	Supporting plate,front	1	74	Cup head square neck bolt	2
21	Supporting plate,rear	1	75	Hex. Rivet nut	1
22	Blade bolt	1	76	Hexagon head bolt	2
23	Saw blade flange	1	77	Hexagon head bolt	2
24	Saw blade plate	1	78	Hexagon head bolt	1
25	Clip case	1	79	Hexagon head bolt	1
26	Clip case protective cap	1	80	Hexagon head bolt	45
27	Point	1	81	Hexagon head bolt	4
28	Mitre gauge	1	82	Hexagon head bolt	4
29	Rip fence extrusion	1	83	Hexagon head bolt	4
30	Rip Fence	2	84	Hexagon nut 1-style	2
31	Cross recessed pan head screw	2	85	Locking handle	1
32	Circlips for shaft	1	86	Hexagon nut 1-style	1
33	Spring	1	87	Hexagon nut 1-style	1
34	Plain washer	58	88	Hexagon nut 1-style	2
35	Locking board	1	89	Hex. Locking nut 1-style	3
36	Mitre gauge locking knob		90	Hex. Locking nut 1-style	4
37	Pin		91	Cup square neck bolt w/ short neck	2
38	Table insert	1	92	Cross recessed pan head screw	2
39	Dust Extractor	1	93	Cross recessed pan head screw	11
40	Table scale	1	94	Cross recessed pan head screw	5
41	Angle Label	1	95	Cross recessed pan head screw	11
42			96	Miter gauge supporing plate	1
43	Wheel	2	97	Cross recessed countersunk(flat) head screw	4
44	Wheel frame,left	1	98	Cross recessed countersunk(flat) head tapping screw	5
45	Wheel frame,right	1	99	Lock washer external teeth	7
46	Wheel axis	1	100	Lock washer external teeth	1
47	Wooden push handle	1	101	Hex. Locking nut 1-style	12
48	Pushing handle cover	2	102	Circlips for shaft	1
49	Pushing handle seat	2	103	Large plain washer	9
50	Pushing handle	2	104	Large plain washer	4
51	Hose support	1	105	Hex. Locking nut 1-style	1
52	Wrench	1	106	Tensile spring	1
53	Height scale	1	107	Circlips for shaft	1
54	Hook	1	108	Hex. Nut	2