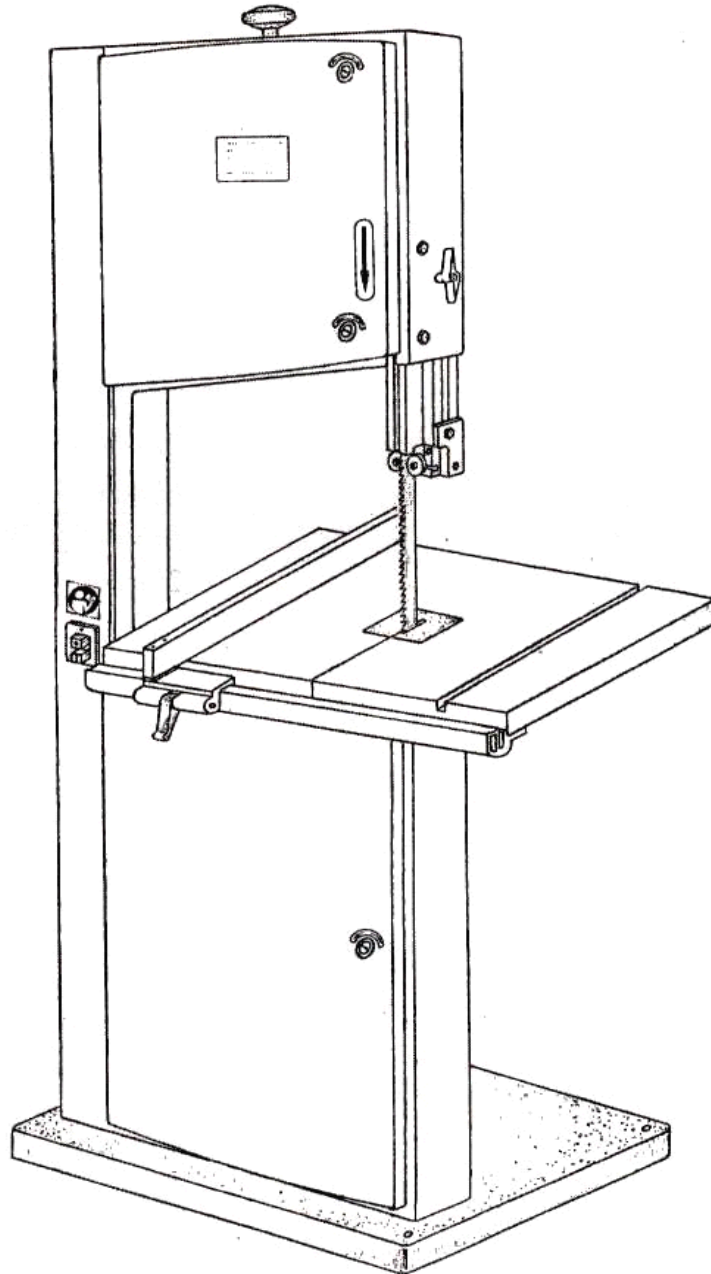


# **10IN WOOD BAND SAW**

## **MODEL MJ3425**



## **INSTRUCTION MANUAL**

**PLEASE READ AND UNDERSTANG THE CONTENTS OF THIS MANUAL,  
AND KEEP FOR FUTURE REFERENCE.**

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## 1.0 General

### 1.1 Specifications

|                         |                        |
|-------------------------|------------------------|
| Dimensions (l×w×h)      | 800×250×420 mm         |
| Table height from floor | 368 mm                 |
| Throat width            | 245 mm                 |
| Max. cutting height     | 120 mm                 |
| Sawblade width          | 6-13 mm                |
| Sawblade length         | 1790 mm                |
| Sawblade size           | 292×292 mm             |
| Sawblade tilt           | 0°-45°                 |
| Sawblade speeds         | 660m/min      960m/min |
| Motor capacity          | 370 W                  |
| Noise                   | <80dB(A)               |

### 1.2 User Responsibility/Warranty

This appliance will perform in conformity with the description contained in the instructions provided. This machine must be checked periodically. Defective equipment (including power cables) should not be used. Parts that are broken, missing, obviously worn, distorted or contaminated, should be replaced immediately.

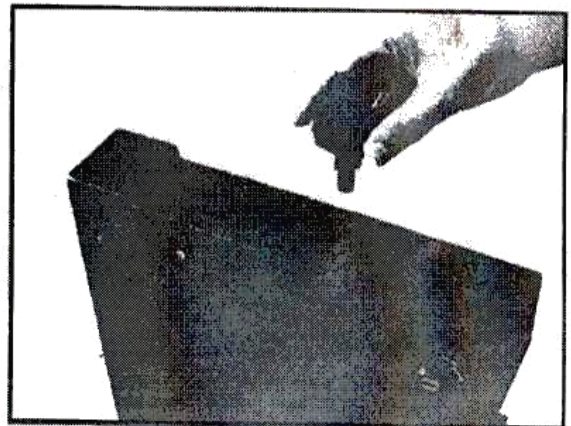
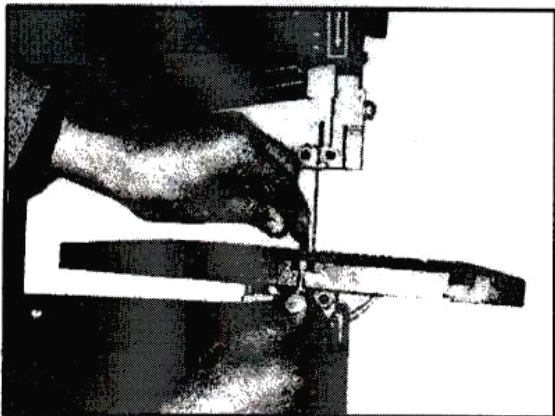
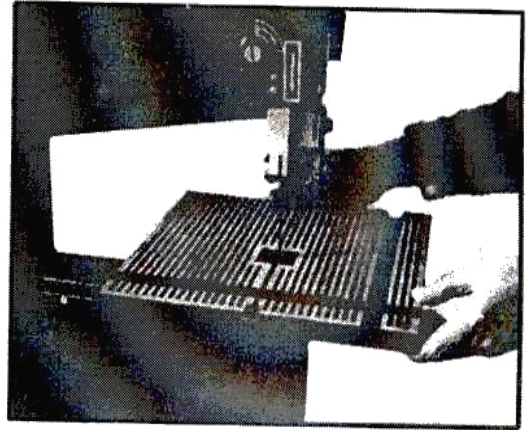
Should such repair or replacement become necessary, it is recommended that only genuine replacement parts are used and that such repairs are carried out by qualified persons. This appliance or any of its parts should not be altered or changed from standard specifications. The user of this machine shall have the sole responsibility for any malfunction which results from improper use or unauthorized modification from standard specifications, faulty maintenance, damage or improper by anyone other than qualified person.

### 1.3 Final Assembly and Installation

Unpack machine and check for any visible damage which may have occurred during transport. If a damage is detected notify your dealer immediately.

This machine is shipped partly disassembled saw table and star knob have to be installed prior to use.

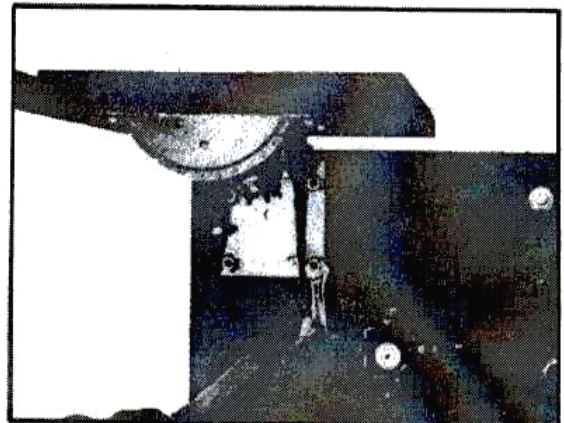
- Remove the wing nut and Hex. socket head cap screw of the table.
- Place the table onto the upper table trunnion.
- Install to trunnion with 4 each serrated lock washer and hexagon head screw M6 × 12.
- Attach the wing nut and Hex. socket head cap screw to table with the wrench Hex.
- Place table insert into the table center hole.
- Place the star knob onto Tension Rod.



After installation adjust the table so that the sawblade runs through the center of the table insert's slot.

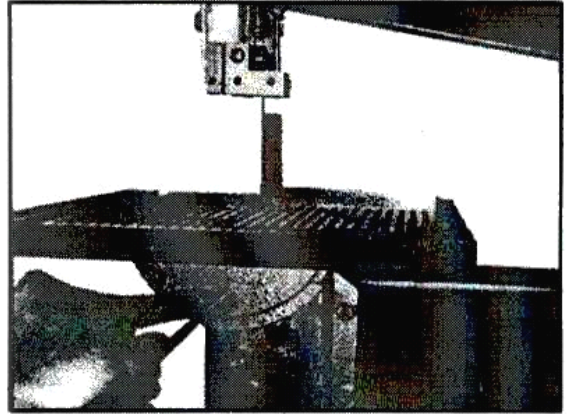
#### Centering the table

- Loosen the screws holding the lower table trunnion.
- Move table sideways as required, until sawblade runs through the center of insert.

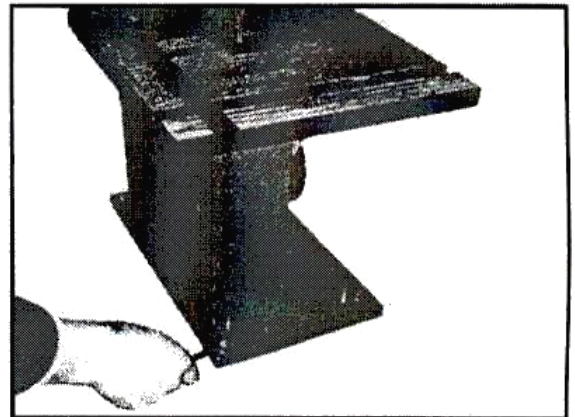


## Setting the Table Square with the Sawblade

- The saw table can tilted up to 45°. To tilt, loosen the wing nut of the table trunnion.
- Loosen the wing nut on the trunnion and adjust the table at 90° with the blade.
- Check the table with a square to make sure the table is 90° with the blade. If an adjustment is necessary, loosen the screw and adjust the pointer to 0°



To ensure sufficient upright stability of the machine it should be bolted to floor, bench or table, or mounted on the workstand, available as optional accessory. For this purpose 4-  $\varnothing 6.5$  mm holes are provided in the machine's base plate.



## Dust Collection

If this band saw is operated indoors it is recommended to have it connected to a dust collector. The suction connector, supplied with the machine, has to fitted to the dust ejection port of the saw for this purpose. The diameter of the suction connector is 60 mm.

**Caution!** Wood dust and chips, together with an ignition source and the oxygen in the ambient air, can cause fires and explosions, injuries and allergies.

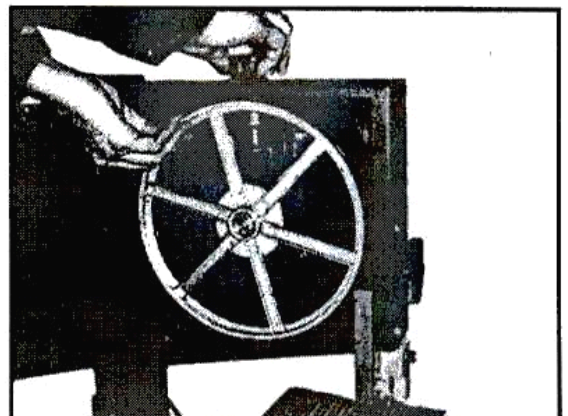
- Workmen working in operations processing oak or beech timber were found to develop more often cancer of the mucous membrane of the nose (adenocarcinoma of the inner nose) than other workers.
- Experience shows that skin contact with oak or beech dust does not cause cancer.

## 2.0 Band Saw Settings

### 2.1 Changing and setting the Blade

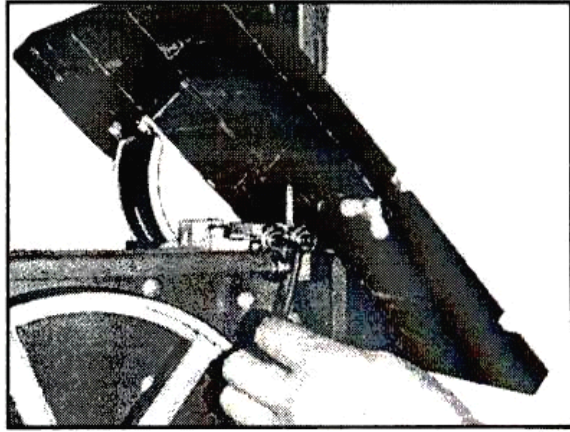
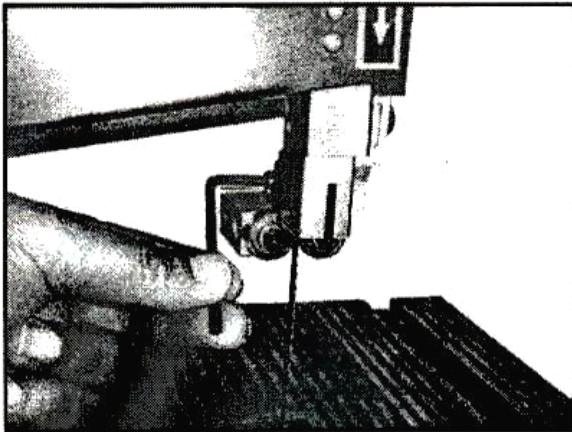
This band saw is factory-equipped with a general purpose wood cutting blade set. To change the blade, remove the wing nut and screw from the table. Then slacken the blade tension by turning the hand wheel on top of the upper wheel housing.

Fit new blade and tension lightly. The blade should run in the center of the rubber lined band saw wheels or else it may jump off. To check tracking, turn upper wheel by hand. If required, adjust tracking with the knurled handle at the rear of the upper wheel housing.





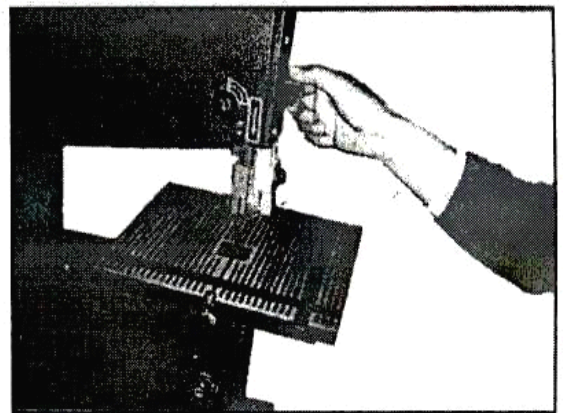
## 2.2 Blade Guiding



The saw blades guide of this band saw ensure an exact guiding of the blade for clean cuts. When using narrow blades ensure that the lower blade guide positively supports the blade from both sides and the rear. Set the bearings of the upper blade guide to within approx. 0.2 mm of the blade, and the bearing against the back of the blade, just clear of it. Do not set the bearing too close, as the friction generates heat, which may have an adverse effect on the bearings and the saw blades as well.

## 2.3 Setting the Cutting Height

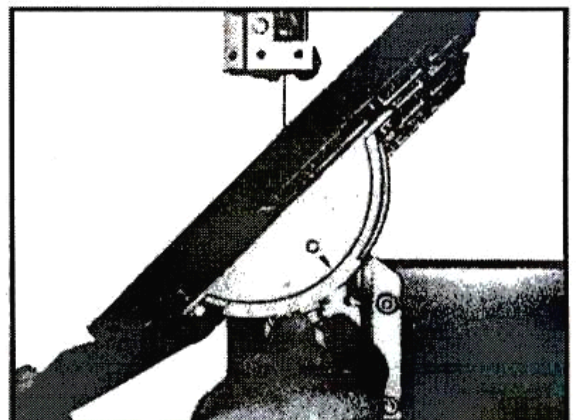
The upper blade guide should always be set as close as practical against the work. To adjust, loosen the wing nut at the side of the upper wheel housing, and set the blade guide to the required height. Tighten wing nut after setting.



## 2.4 Saw Table Tilt

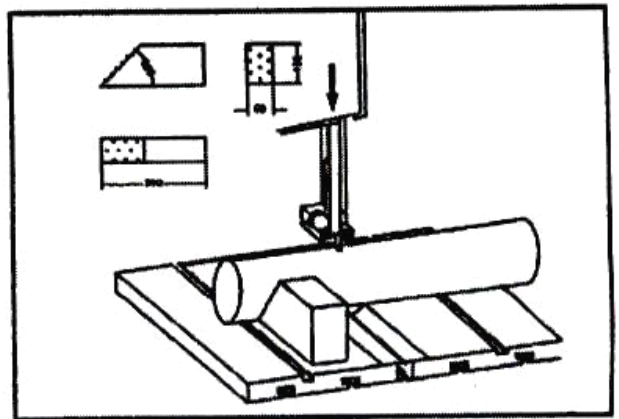
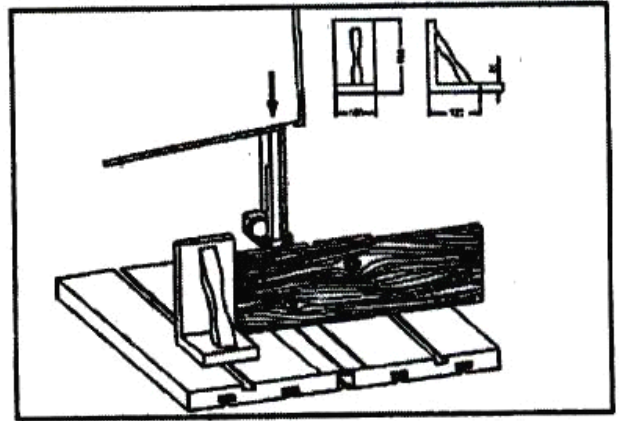
For bevel cuts the saw table tilts steplessly through 45°. To tilt, loosen the wing nut on the table trunnion, set the table to the required angle and tighten the wing nut again.

It is recommend to verify the correct angle setting by marking trial cuts in scrap wood.



## 2.5 Safety Information

1. Check that guards are in place and securely locked before switching the machine on.
2. Always disconnect from power when servicing this machine.
3. Do not use bent or cracked band saw blades.
4. Replace table insert if slot has enlarged.
5. When cutting round stock use a suitable jig or fixture to keep the work from turning.
6. When cutting boards in an upright position use a suitable push block to prevent kickback.
7. To keep health risk to a minimum it is recommend to always connect this band saw to a dust collector.



The most common hazards associated with the operation of band saws are the following:

- a hazard by the running saw blade, e.g. contact with the teeth of the blade.
- flinging of cutoffs or knots.
- work-piece kickback

The principal hazard areas of a band saw are:

- the work area
- the area around a running machine
- the kickback area

Despite the use of the specific safety devices and compliance with all relevant regulations for the prevention of accidents, when operating a band saw the following residual risks remain:

- hearing damage by excessive noise
- danger of accidents in the unprotected cutting area of the running saw blade
- danger of injury when changing blades ( danger of cuts by the sharp teeth )
- endangering by flung about workpieces or parts
- squashing of fingers
- danger of injury by kickback of workpieces
- health risk caused by the dust emission, especially from oak and beech saw dust.

## 2.6 Electrical Installation

This band saw is equipped with a 0.35 Kw 230V single-phase motor. Connect to a proper grounding type receptacle.

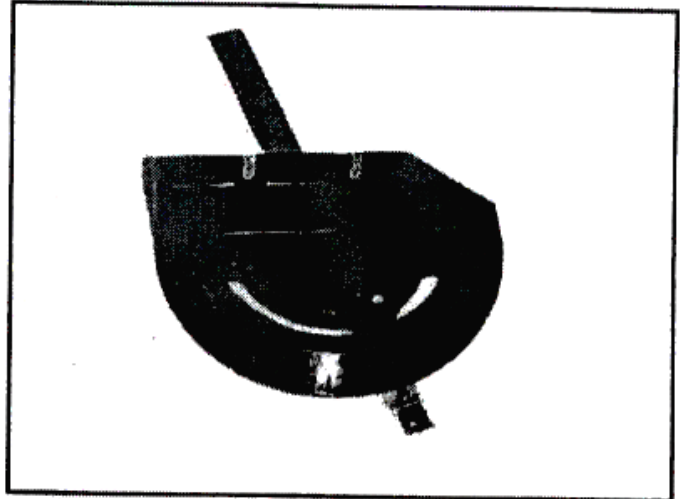
A damaged power cable should be replaced at once by a qualified electrician. Risk of electric shock if operated with a damaged power cable.

Children should not operate this band saw.

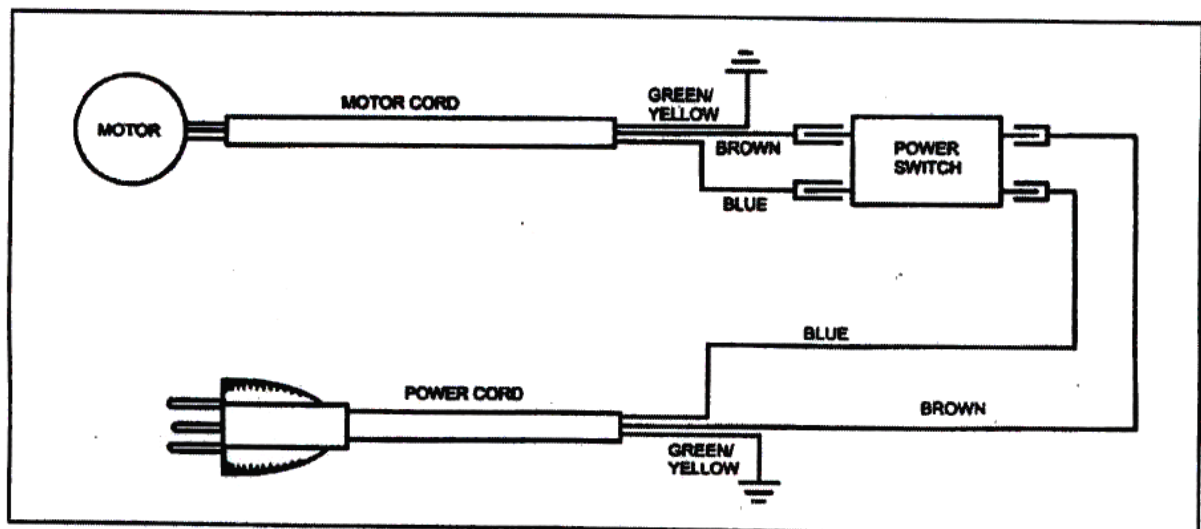
### 3.0 Accessories

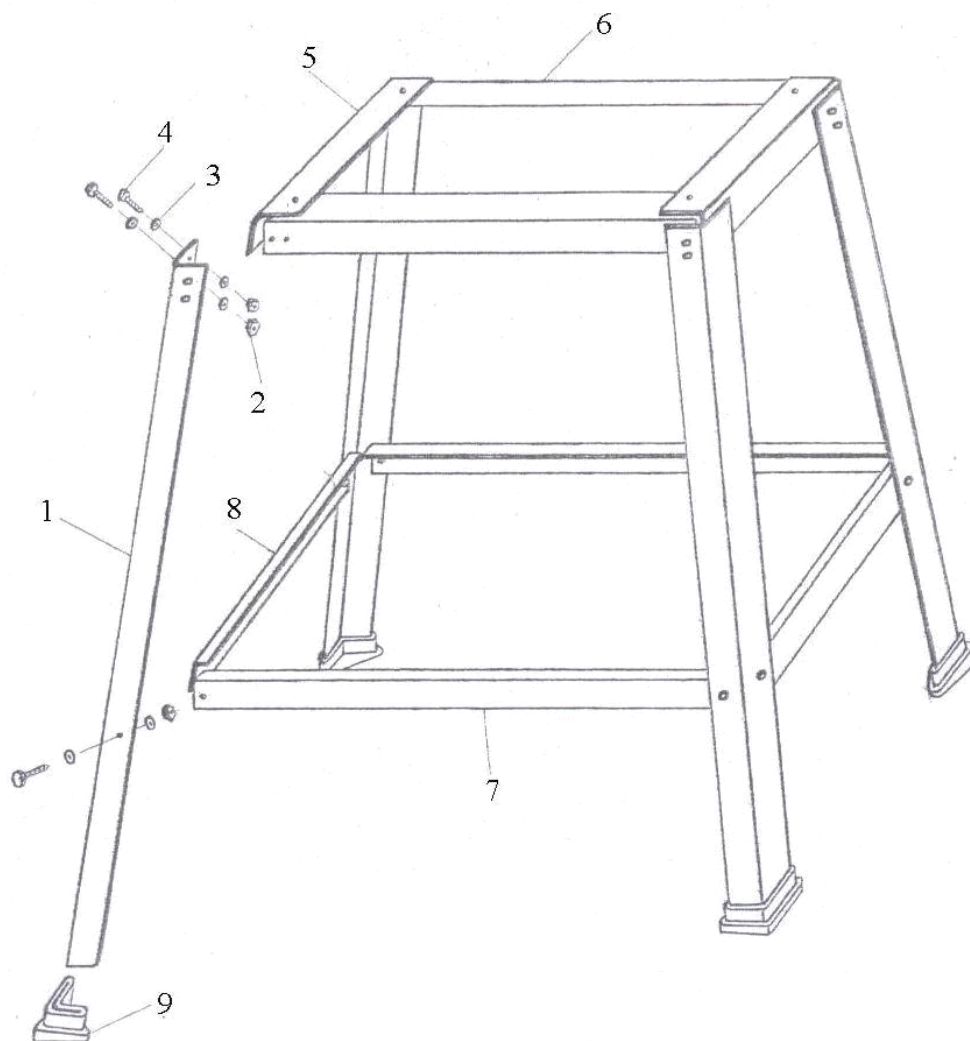
#### 3.1 Mitre Fence

Provides a Mitre Fence for angle cutting.



### 4.0 Wiring Diagrams





MJ3425 stand parts

|     |                     |     |  |  |
|-----|---------------------|-----|--|--|
| 9   | rubber washer       | 4   |  |  |
| 8   | fixed plate (2)     | 2   |  |  |
| 7   | fixed plate (1)     | 2   |  |  |
| 6   | connected plate (1) | 2   |  |  |
| 5   | connected plate (2) | 2   |  |  |
| 4   | hex bolt M8x16      | 24  |  |  |
| 3   | washer M8           | 48  |  |  |
| 2   | nut M8              | 24  |  |  |
| 1   | support parts       | 4   |  |  |
| NO. | NAME                | QTY |  |  |

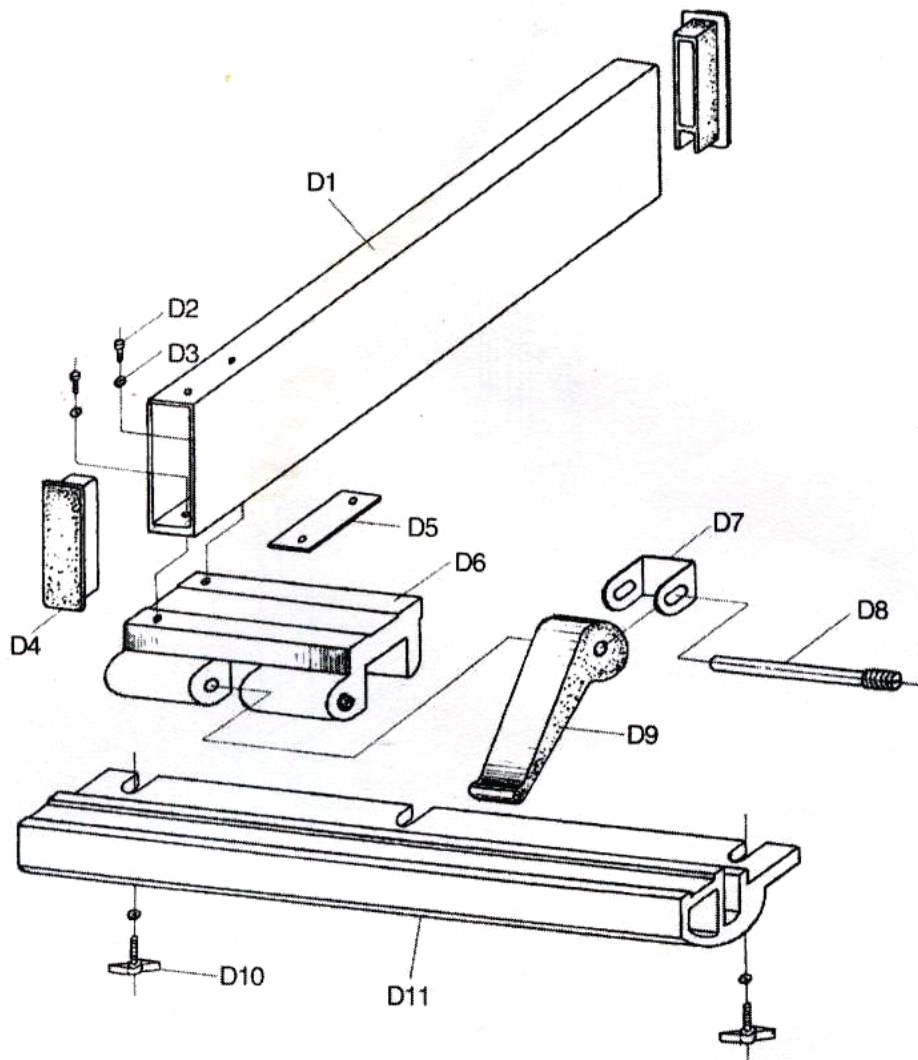


## 5.0 Spare Parts List/Exploded View Drawing

| NO. | Description                    | Q'TY | NO. | Description                 | Q'TY |
|-----|--------------------------------|------|-----|-----------------------------|------|
| 1   | Band saw frame                 | 1    | 40  | Carriage bolt M8×20         | 3    |
| 2   | Upper door                     | 1    | 41  | Washer                      | 1    |
| 3   | Lower door                     | 1    | 42  | Mount blade guide           | 1    |
| 4   | Upper wheel                    | 1    | 43  | Washer ø8                   | 3    |
| 5   | Bearing ball 80100             | 4    | 44  | Hex. nut M8                 | 5    |
| 6   | Wing nut M8                    | 1    | 45  | Guide support upper large   | 1    |
| 7   | Pan head tapping screw         | 4    | 46  | Hex socket set screw M6×10  | 7    |
| 8   | Ring                           | 2    | 47  | Upper guide shaft           | 1    |
| 9   | Bearing bolt upper             | 1    | 48  | Hexagon screw               | 6    |
| 10  | Wheel carrier bracket          | 1    | 49  | Bearing ball 80026          | 6    |
| 11  | Washer                         | 3    | 50  | Washer ø5                   | 6    |
| 12  | Hex. nut                       | 1    | 51  | Adjusting shaft             | 4    |
| 13  | Semicircle head screw M5×8     | 2    | 52  | Mount shaft                 | 2    |
| 14  | Washer ø5                      | 2    | 53  | Tension angle               | 1    |
| 15  | Shaft mount                    | 1    | 54  | Bolt guide plate            | 1    |
| 16  | Carriage bolt                  | 1    | 55  | Lower guide shaft           | 1    |
| 17  | Blade tensioner                | 1    | 56  | Retainer                    | 1    |
| 18  | Tension rod                    | 1    | 57  | Hexagon nut                 | 1    |
| 19  | Hex. nut M5                    | 2    | 58  | Carriage bolt M6×16         | 4    |
| 20  | Slotted insert                 | 3    | 59  | Hexagon nut M6              | 12   |
| 21  | Spring washer                  | 3    | 60  | Hex. screw M6×25            | 4    |
| 22  | Housing                        | 3    | 61  | Hex. socket head cap screw  | 2    |
| 23  | Washer                         | 3    | 62  | Belt                        | 1    |
| 24  | Hex. nut                       | 3    | 63  | Bearing bolt lower          | 1    |
| 25  | Tongue                         | 3    | 64  | Motor                       | 1    |
| 26  | Washer                         | 2    | 65  | Motor pulley                | 1    |
| 27  | Hex. screw                     | 3    | 66  | Table trunnion lower        | 1    |
| 28  | Leaf spring                    | 2    | 67  | Semicircle head screw M4×30 | 4    |
| 29  | Lamella plug black             | 1    | 68  | Lower guide mount           | 1    |
| 30  | Knob                           | 1    | 69  | Pin guide seat              | 1    |
| 31  | Hex. screw M6×12               | 10   | 70  | Lower guide body            | 1    |
| 32  | Washer ø6                      | 20   | 71  | Table                       | 1    |
| 33  | Safety switch                  | 2    | 72  | Table insert                | 1    |
| 34  | Wing nut                       | 2    | 73  | Rubber washer               | 1    |
| 35  | Washer ø4                      | 8    | 74  | Carriage bolt M6×30         | 1    |
| 36  | Knob                           | 1    | 75  | Glide piece                 | 1    |
| 37  | Blade guard                    | 1    | 76  | Table trunnion upper        | 1    |
| 38  | Roller guide carrier extrusion | 1    | 77  | Pointer                     | 1    |
| 39  | Nut M4                         | 4    | 78  | Pan head tapping screw      | 1    |

[illegible]

## GUIDE FOR MJ3425 10" BAND SAW WORKING TABLE



| PART NO. | DESCRIPTION          | QTY |
|----------|----------------------|-----|
| D11      | Side guide plate     | 1   |
| D10      | Butterfly bolt M6x14 | 2   |
| D9       | Locking handle       | 1   |
| D8       | Locking bar          | 1   |
| D7       | U clamp              | 1   |
| D6       | Sliding base         | 1   |
| D5       | Plate                | 1   |
| D4       | Side plastic insert  | 2   |
| D3       | Washer 6             | 4   |
| D2       | Cap screw M6x12      | 2   |
| D1       | Guide plate          | 1   |