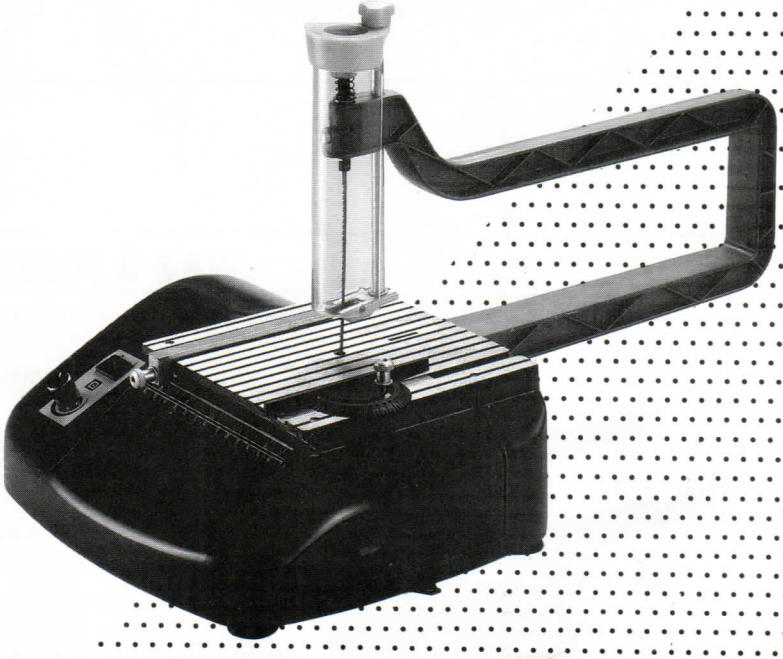
• INSTRUCTION MANUAL •

MINI SCROLL SAW



BE SURE TO READ THIS MANUAL BEFORE USING

UNPACKING

1. BODY
2. ARM BOW
3. ANTI-KICKBACK GUARD
4. KNOB
5. SET SCREWS FOR BODY (x2)
6. FEET PAD (x2)
7. RIP FENCE
8. MITRE GAUGE 0°-45°
9. SET SCREW FOR ARM BOW
10. SPRING WASHER
11. BLADES (x5)
12. BLADE GUARD

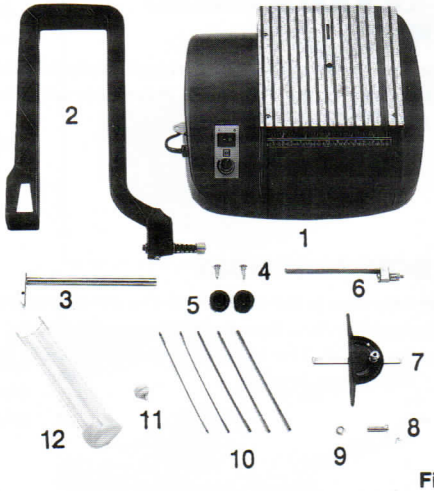


Fig. 1

YOUR SCROLL SAW

1. BODY
2. BLADE GUARD
3. KNOB
4. BLADE TENSION KNOB
5. ANTI-KICKBACK GUARD
6. ARM BOW
7. MITRE GAUGE
8. DUST COLLECTOR COVER
9. HOLE FOR BODY'S SET SCREW
10. SCALE
11. RIP FENCE
12. ON/OFF SWITCH
13. SPEED ADJUSTMENT KNOB
14. POWER CORD

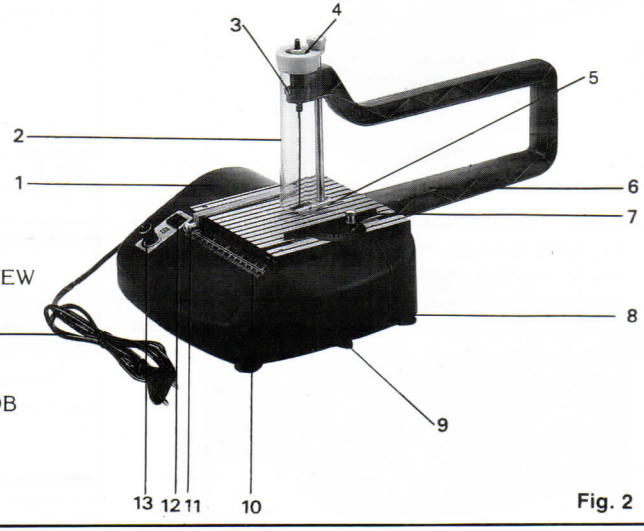


Fig. 2

Fig. 1

ASSEMBLY

ANTI-KICKBACK GUARD ASSEMBLY

Insert the Anti-kickback Guard through the two holes of the upper part of the Arm Bow. Assemble with the knob as in Fig. 3.

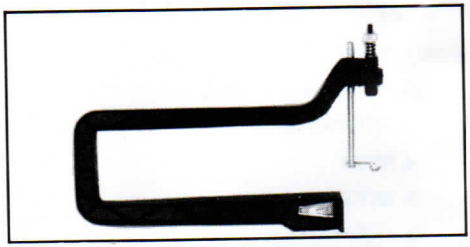


Fig. 3

ARM BOW ASSEMBLY

Insert the Arm Bow in the body. With the use of a screw-driver connect the Arm Bow by tightening the one set screw as in Fig. 4. The longest set screw should be placed in the centre hole.

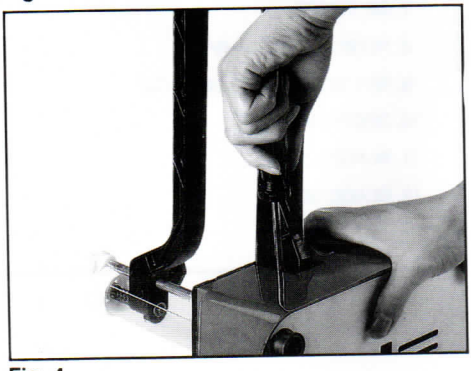


Fig. 4

BLADE ASSEMBLY:

Assemble the blade with the teeth facing down as shown in Fig. 5.

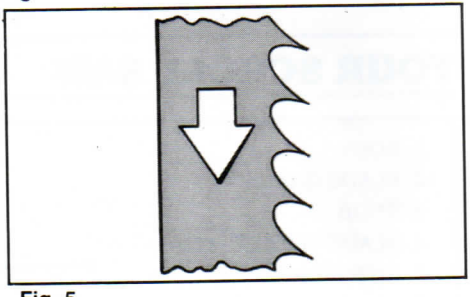


Fig. 5

A. Open The Dust Collector Cover. Insert the blade in the body through the center hole and clamp the blade with the chuck inside the body. When the blade is perpendicular to the Body, tighten the set screw of the chuck as shown in Fig. 6. Replace the dust collector cover.

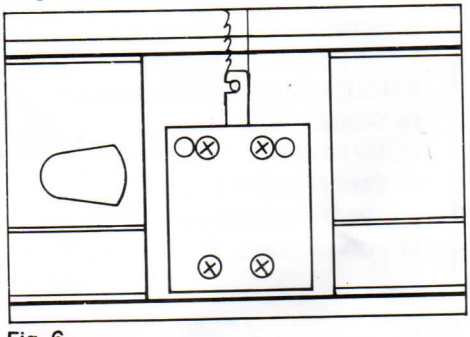


Fig. 6

B. Insert the blade into the Arm Bow's chucks as in Fig. 7 (The flat side of the chuck must face upwards).
C. Insert the blade into the shaft then, push the chuck upwards and tighten it with the set screw.

NOTE:

1. You can bend the blade a little if it is difficult to insert the blade into the chuck.
2. The set screw of the chuck must be mounted onto the relief of the chuck shaft to avoid it sliding off.

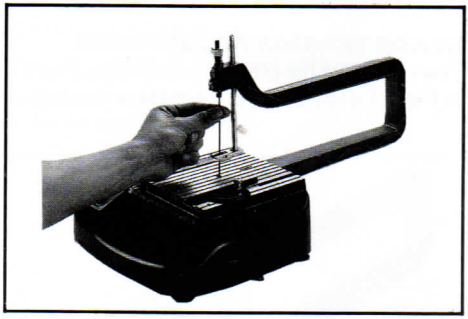


Fig. 7

D. Adjust the Blade Tension Knob in the center and release the upper chuck. Press down from the top with your hand to help the chuck clamp the blade completely. Tighten the chuck's set screw with the hex wrench in Fig. 8.

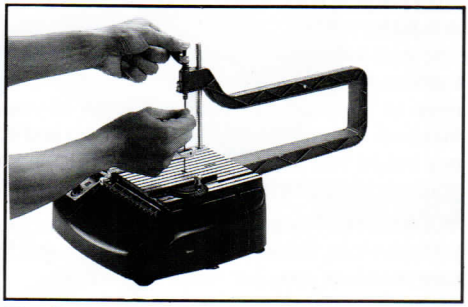


Fig. 8

ASSEMBLE BLADE PROTECTOR

Mount the tubular plastic protector over the top of the guide rail then replace and tighten the knob.

FASTENING DOWN THE BODY

Using the two round-head screws, fasten the machine to your work bench to avoid vibration. Vibration or movement may occur while the machine is in operation.

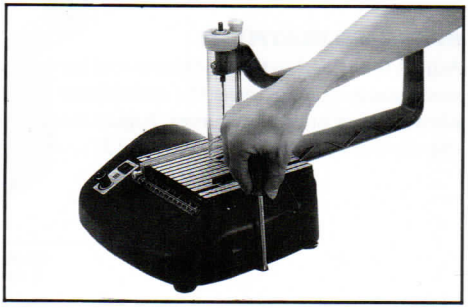


Fig. 9

RIP FENCE ASSEMBLY

Loosen the knob of the Rip Fence. Insert the Rip Fence from the right side of the work table and push it into the track of the table as in Fig. 10.

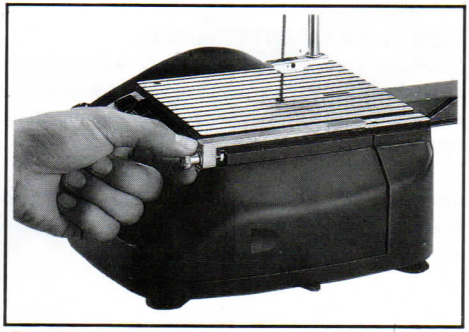


Fig. 10

ADJUSTMENT AND MAINTENANCE

BLADE TENSION ADJUSTMENT

You can adjust the Blade Tension Adjustment Knob as in Fig. 11 if the blade is too tight or too loose.

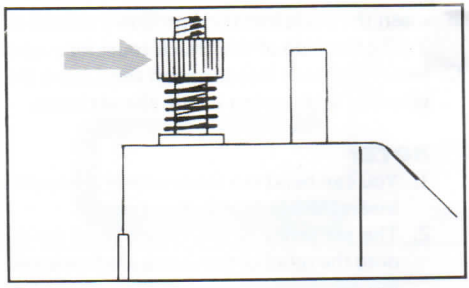


Fig. 11

ANTI-KICKBACK GUARD ADJUSTMENT

The Anti-kickback Guard protects your work piece from bouncing up and down during operation. You only need to loosen the Adjustment Knob of your Anti-kickback Guard and you can move it up and down to any height you require according to the thickness of your workpiece as in Fig. 12.

WARNING: The anti-kickback guard must be in line with the blade. However, before turning on machine, be sure the blade does not make contact.

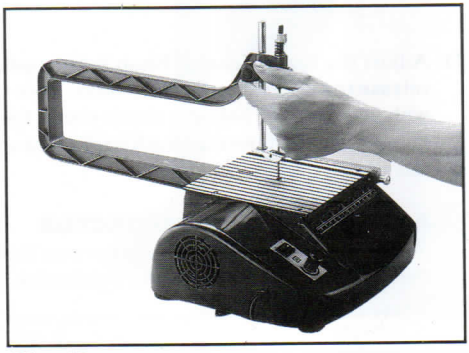


Fig. 12

SPEED ADJUSTMENT

Adjust the speed to the thickness and hardness of the wood you are using: lower the speed when doing complicates work or cutting curves. Adjust the speed using the control knob as shown in Fig. 13.

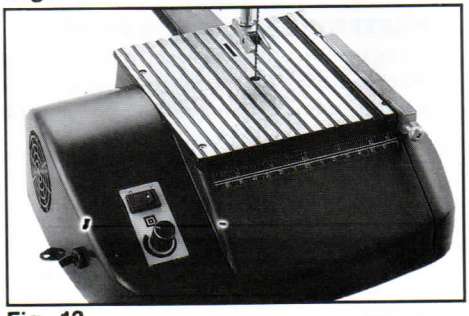


Fig. 13

REGULAR MAINTENANCE

Lubricate your machine regularly will prolong the life of your machine. The machine only requires lubrication on its chuck. Pour in oil regularly into the shaft of the upper chuck, as chown in Diagram Fig. 14.

Using a brush, clean the Dust Collecting area completely and regularly through the door of the body as shown in Fig. 2 Page 1 - no. 8.

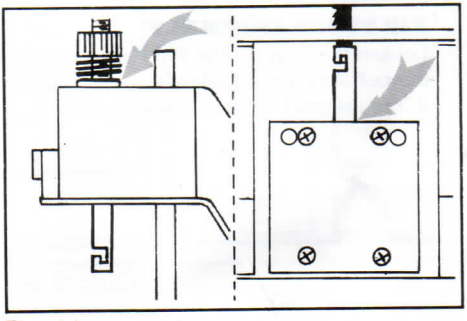


Fig. 14

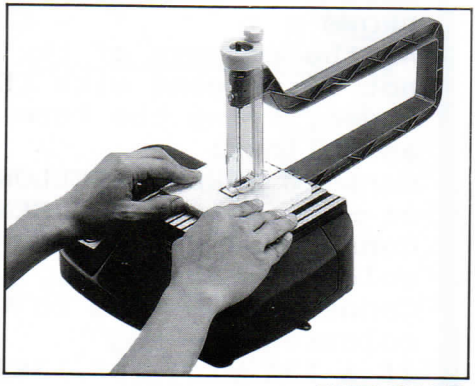
PROPER CUTTING METHOD

We are going to show you the correct and the wrong doings during operation.

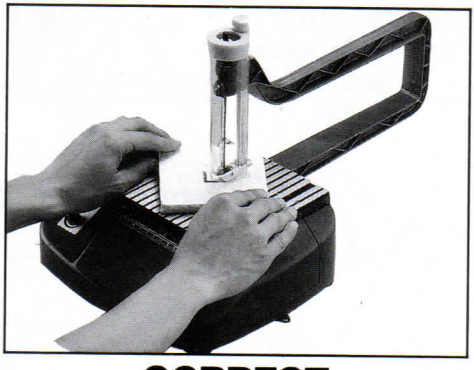
Operating your machine correctly can help you to avoid injuries caused by incorrect operation.

The following illustrations show the "correct" method of cutting as well as the "wrong" way. Proper habits will help you avoid injuries to yourself and less damage to your work piece.

WRONG



WRONG



CORRECT

When cutting spherically, you should drill small holes on the circumference of the workpiece. Let your blade pass through the holes and start cutting. Watch your cutting speed. Do not push too hard or too fast. Maintain a regular speed when cutting and maintain your blade in the vertical position. These precautions will prevent the blade from bending and avoid damage to the machine and blade.

CORRECT

WIRING INSTRUCTIONS

WARNING: THIS APPLIANCE MUST BE EARTHED.

IMPORTANT: The wires in the mains lead are coloured in accordance with the following code:

GREEN & YELLOW - **EARTH**
BLUE - **NEUTRAL**
BROWN - **LIVE**

As the colours of the wires in the mains lead may not correspond with the coloured markings indentifying the terminals in your plug, proceed as follows:

Connect **GREEN & YELLOW** wire to terminal marked **E** or ⏚ or coloured **GREEN** or **GREEN & YELLOW.**

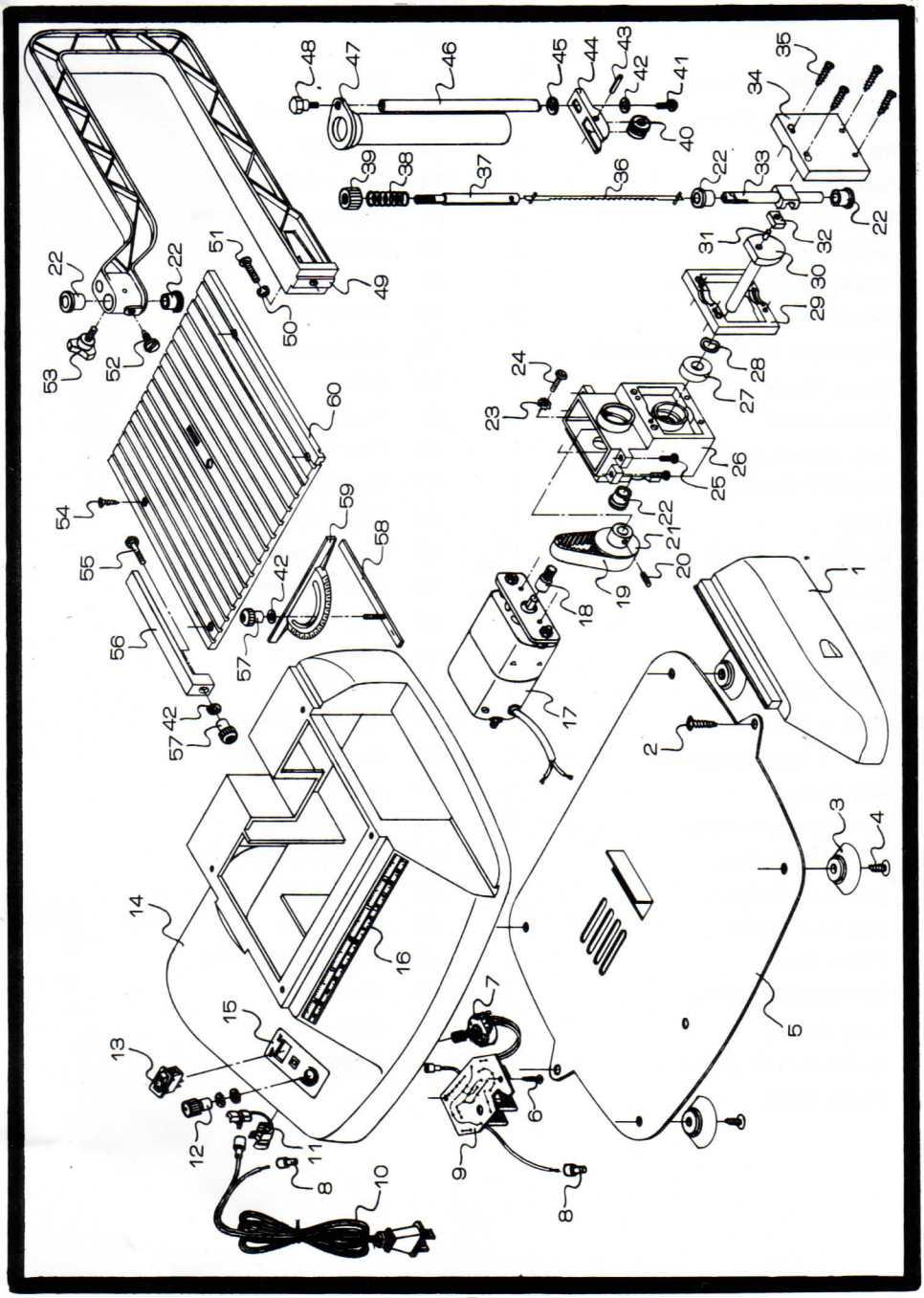
Connect **BROWN** wire to terminal marked **L** or coloured **RED.**

Connect **BLUE** wire to terminal marked **N** or coloured **BLACK.**

If a 13A plug (BS.1363) is used it must be fitted with a 3 amp fuse. A 5amp plug must be protected by a 5 amp fuse either in the plug or adaptor or at the distribution board.

IF IN DOUBT - CONSULT A QUALIFIED ELECTRICIAN.

ASSEMBLY DIAGRAM



PARTS LIST

PART NO.	PARTNAME	QTY	PART NO.	PARTNAME	QTY
1	Dust Collector Cover	1	31	Dowel Pin	1
2	Self-Tapping Screw	2	32	Sliding Block	1
3	Pad	4	33	Drag Bar	1
4	Self-Tapping Screw	4	34	Cover of Darg Bar	1
5	Bottom Plate	1	35	Self-Tapping Screw	4
6	Self-Tapping Screw	2	36	Blade	5
7	Speed Setting Switch	1	37	Sliding Rod	1
8	Terminals	2	38	Compression Spring	1
9	Controller for Electric Circuit	1	39	Adjustment Knob	1
10	Power Cord	1	40	Roller	1
11	Strain Relief	1	41	Machine Screw	1
12	Adjustment Knob	1	42	Flat Washer	4
13	ON/OFF Switch	1	43	Spring Pin	1
14	Body	1	44	Support of Roller	1
15	Indicated Label of Power Switch	1	45	Star-Washer	1
			46	Rod of Support	1
16	Scale	1	47	Blade Guard	1
17	Motor	1	48	Lock Knob	1
18	10T Pulley	1	49	Arm Bow	1
19	2.OP x 56T Belt	1	50	Spring Washer	1
20	Socket Setting Screw	1	51	Machine Screw	1
21	48T Pulley	1	52	Guide Bolt	1
22	Self- oiling Bushing	5	53	Lock Knob	1
23	M4 Star-Washer	2	54	Self-Tapping Screw	4
24	Machine Screw	2	55	Setting Bolt	1
25	Machine Screw	4	56	Rip Fence	1
26	Pulley Box	1	57	Positioning Knob	2
27	Self-oiling Bushing	1	58	Sliding Rail	1
28	Leaf Spring	1	59	Index Dial	1
29	Bracket of Drag Bar	1	60	Table	1
30	Pulley Shaft	1			