

Makita Portable Band Saw 2107F

Our lightweight Portable Band Saw is the ideal tool for cutting any amount of wood or metal stock on the fly. With great ergonomics, user friendly curved grip and large handle, it offers variable speed with a preset dial for setting the desired cutting speed for the job required.

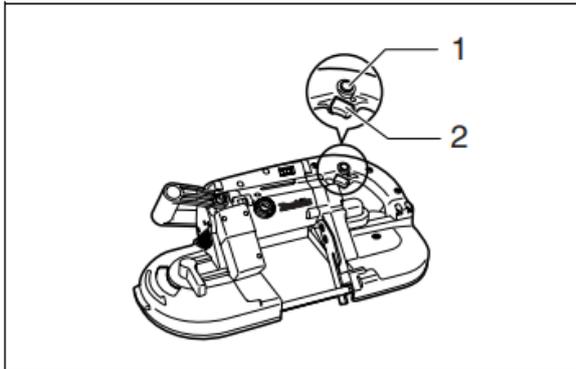


User Benefits

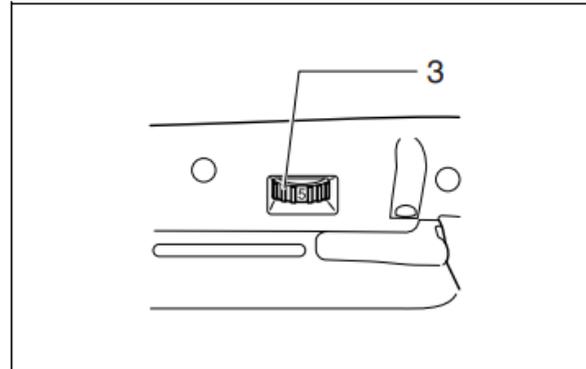
- ◆ Variable speed trigger
- ◆ Supplied in carrying case
- ◆ Portable – ideal for site work
- ◆ Easy blade tensioning
- ◆ Full range of blades available to purchase from HTC

Machine Specifications

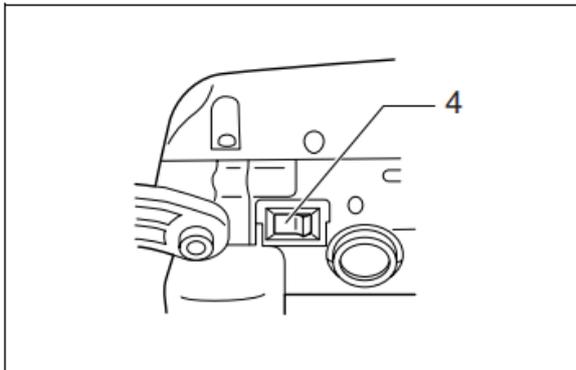
Capacities	Round workpiece	120 mm
	Rectangular workpiece	120 x 120 mm
Blade Size (L x W)		1140 x 13 mm
Blade Thickness		0.5 mm
Blade Speed		1.0 – 1.7 m/s
Overall dimensions (L x W x H)		249 x 184 x 496 mm
Vibration Emission (Cutting chipboard)		2.5 m/s ²
Vibration Emission (Cutting metal)		2.5 m/s ²
Sound Pressure Level (Lpa)		86 dB(A)
Sound Power Level (Lwa)		98 dB(A)
Weight		6.0 kg



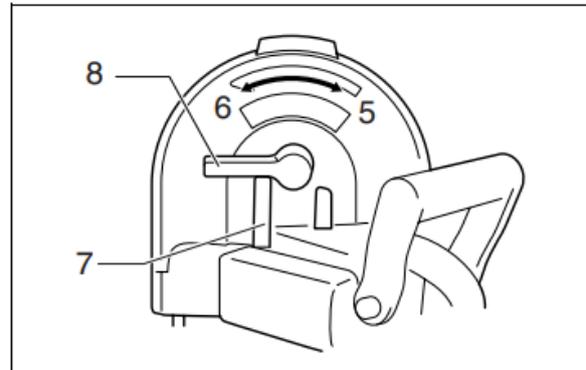
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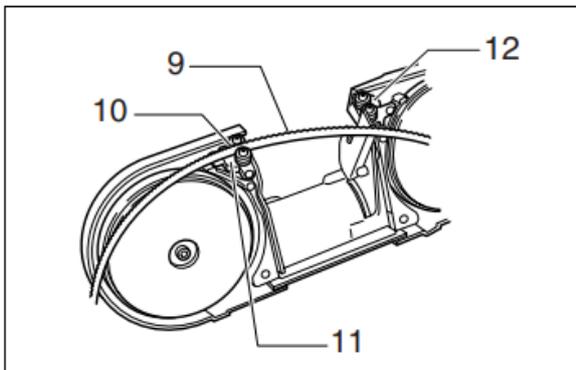
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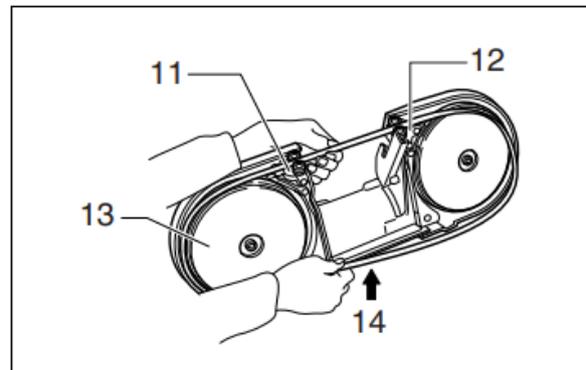
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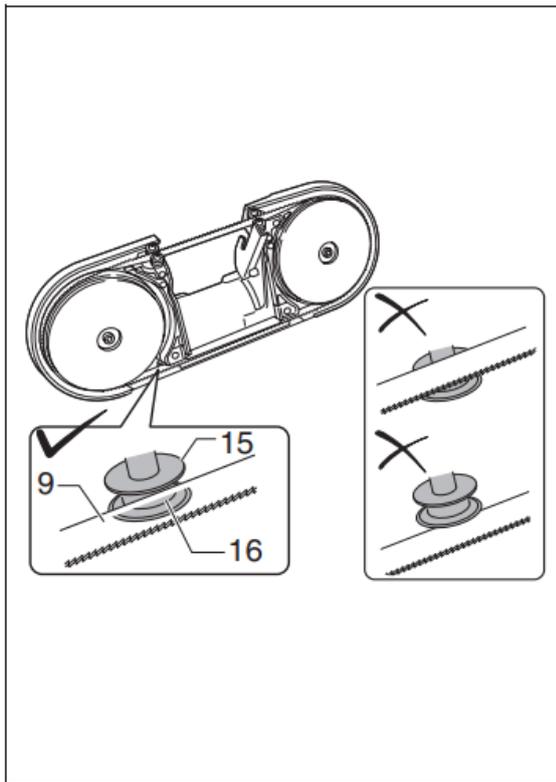
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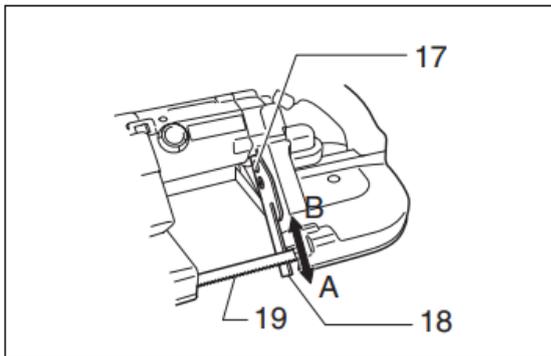


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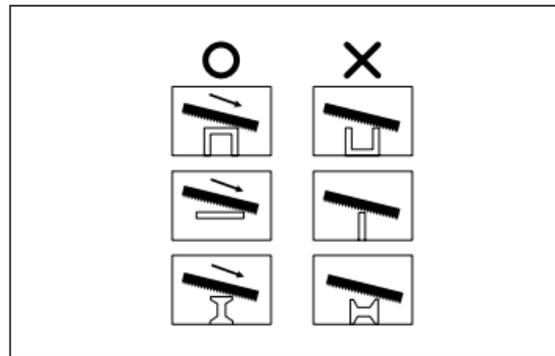
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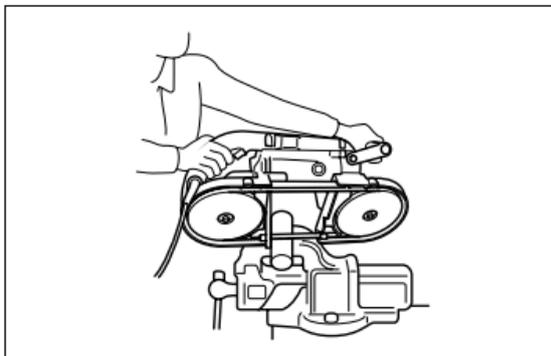
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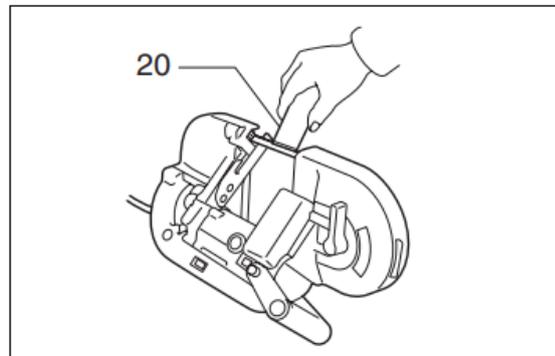
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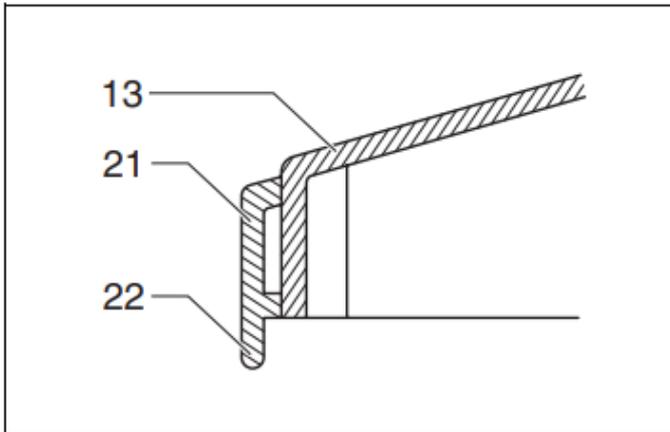
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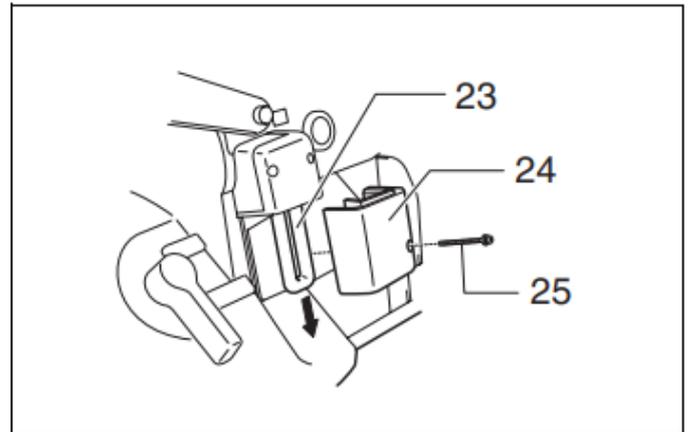
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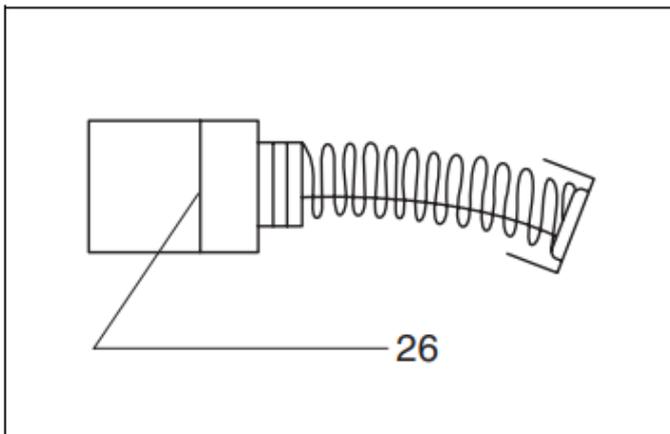
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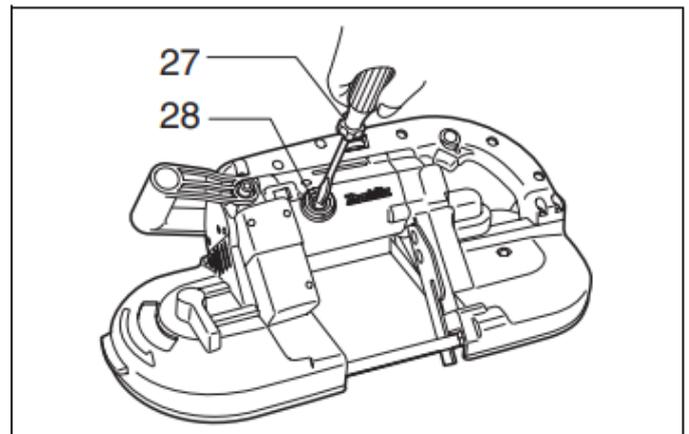
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Explanation of general view

- | | | |
|------------------------|------------------|---------------------|
| 1 Lock button | 11 Upper holder | 21 Tire |
| 2 Switch trigger | 12 Lower holder | 22 Lip |
| 3 Speed adjusting dial | 13 Wheel | 23 Fluorescent tube |
| 4 Lamp switch | 14 Press | 24 Lamp box |
| 5 Loosen | 15 Blade guide | 25 Tapping screw |
| 6 Tighten | 16 Groove | 26 Limit mark |
| 7 Protrusion | 17 Screw | 27 Screwdriver |
| 8 Lever | 18 Stopper plate | 28 Brush holder cap |
| 9 Blade | 19 Blade | |
| 10 Bearing | 20 Cutting wax | |

Intended use

The tool is intended for cutting in wood, plastic and ferrous materials.

ENF002-2

Power supply

The tool should be connected only to a power supply of the same voltage as indicated on the nameplate, and can only be operated on single-phase AC supply. They are double-insulated and can, therefore, also be used from sockets without earth wire.

GEA010-1

General Power Tool Safety Warnings

⚠ WARNING Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

GEB005-5

PORTABLE BAND SAW SAFETY WARNINGS

1. Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessories contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

2. Use only blades which are 1,140 mm (44-7/8") long, 13 mm (1/2") wide, and 0.5 mm (.020") thick.
3. Check the blade carefully for cracks or damage before operation. Replace cracked or damaged blade immediately.
4. Secure the workpiece firmly. When cutting a bundle of workpieces, be sure that all workpieces are secured together firmly before cutting.
5. Cutting workpieces covered with oil can cause the blade to come off unexpectedly. Wipe off all excess oil from workpieces before cutting.
6. Never use the cutting oil as a cutting lubricant. Use only Makita cutting wax.
7. Do not wear gloves during operation.
8. Hold the tool firmly with both hands.
9. Keep hands away from rotating parts.
10. When cutting metal, be cautious of hot flying chips.
11. Do not leave the tool running unattended.
12. Do not touch the blade or workpiece immediately after operation; they are extremely hot and could burn your skin.

SAVE THESE INSTRUCTIONS.

WARNING:

DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

FUNCTIONAL DESCRIPTION

CAUTION:

- Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool.

Switch action (Fig. 1)

CAUTION:

- Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

To start the tool, simply pull the switch trigger. Release the switch trigger to stop.

For continuous operation, pull the switch trigger and then push in the lock button.

To stop the tool from the locked position, pull the switch trigger fully, then release it.

Speed adjusting dial (Fig. 2)

The tool speed can be infinitely adjusted between 1.0 m/s and 1.7 m/s by turning the adjusting dial. Higher speed is obtained when the dial is turned in the direction of number 5; lower speed is obtained when it is turned in the direction of number 1.

Select the proper speed for the workpiece to be cut.

CAUTION:

- The speed adjusting dial can be turned only as far as 5 and back to 1. Do not force it past 5 or 1, or the speed adjusting function may no longer work.

Lighting up the lamps (Fig. 3)

CAUTION:

- Do not apply impact to the light, which may cause damage or shorted service time to it.

To turn on the lamp, press the "I"(ON) side of the lamp switch. Press the "O"(OFF) side to turn it off.

NOTE:

- Use a dry cloth to wipe the dirt off the lens of lamp. Be careful not to scratch the lens of lamp, or it may lower the illumination.
- Do not use thinner or gasoline to clean the lamp. Such solvents may damage it.
- After operation, always turn off the light by pressing the "O (OFF)" side.

ASSEMBLY

CAUTION:

- Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.

Installing or removing the blade

CAUTION:

- Oil on the blade can cause the blade to slip or come off unexpectedly. Wipe off all excess oil with a cloth before installing the blade.
- Use caution when handling the blade so that you are not cut by the sharp edge of the blade teeth.

Turn the blade tightening lever clockwise until it hits against the protrusion on the frame. (Fig. 4)

Match the direction of the arrow on the blade to that of the arrow on the wheels.

Insert the blade between the bearings of the upper holder first and then into the lower holder. The blade back should contact the bearings in the lower portion of the upper holder and lower holder. (Fig. 5)

Position the blade around the wheels and insert the other side of the blade within the upper holder and lower holder until the blade back contacts the bottom of the upper holder and lower holder.

Put the blade into the groove in the blade guide.

Hold the blade in place and turn the blade-tightening lever counterclockwise until it hits against the protrusion on the frame. This places proper tension on the blade. Make sure that the blade is correctly positioned within the blade guard and around the wheels.

Start and stop the tool two or three times to make sure that the blade runs properly on the wheels. (Fig. 6 & 7)

CAUTION:

- While making sure that the blade runs on the wheels properly, keep your body away from the blade area.

To remove the blade, follow the installation procedure in reverse.

CAUTION:

- When turning the blade tightening lever clockwise to release the tension on the blade, point the tool downward because the blade may come off unexpectedly.

Adjusting the protrusion of stopper plate (Fig. 8)

In the ordinary operation, protrude the stopper plate to the A side fully.

When the stopper plate strikes against the obstacles like a wall or the like at the finishing of a cut, loosen two screws and slide it to the B side in the figure.

After sliding the stopper plate, secure it by tightening two screws firmly.

OPERATION

It is important to keep at least two teeth in the cut. Select the proper cutting position for your workpiece by referring to the figure. (Fig. 9)

Hold the tool by both hands as shown in the figure with the stopper plate contacting the workpiece and the blade clear of the workpiece.

Turn the tool on and wait until the blade attains full speed. Gently lower the blade into the cut. The weight of the tool or slightly pressing the tool will supply adequate pressure for the cutting. Do not force the tool.

As you reach the end of a cut, release pressure and, without actually raising the tool, lift it slightly so that it will not fall against the workpiece. (Fig. 10)

CAUTION:

- Applying excessive pressure to the tool or twisting of the blade may cause bevel cutting or damage to the blade.
- When not using the tool for a long period of time, remove the blade from the tool.

When cutting metals, use Makita cutting wax as a cutting lubricant. To apply the cutting wax to the blade teeth, start the tool and cut in to the cutting wax as shown in the figure after removing a cap of the cutting wax. (Fig. 11)

CAUTION:

- Never use cutting oil or apply excessive amount of wax to the blade. It may cause the blade to slip or come off unexpectedly.
- When cutting cast iron, do not use any cutting wax.

MAINTENANCE**CAUTION:**

- Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.
- Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

Cleaning

After use, remove wax, chips and dust from the tool, wheel tires and blade.

CAUTION:

- Never use solvents such as turpentine, gasoline, lacquer, etc. to clean plastic parts.
- Wax and chips on the tires may cause the blade to slip and come off unexpectedly. Use a dry cloth to remove wax and chips from the tires.

Replacing tires on wheels (Fig. 12)

When the blade slips or does not track properly because of badly worn tires, or the lip of the tire on motor side gets damaged, the tires should be replaced.

Replacing fluorescent tube (Fig. 13)**CAUTION:**

- Always be sure that the tool is switched off and unplugged before replacing the fluorescent tube.
- Do not apply force, impact or scratch to a fluorescent tube, which can cause a glass of the fluorescent tube to be broken resulting in an injury to you or your bystanders.
- Leave the fluorescent tube for a while immediately after a use of it and then replace it. If not, you may burn yourself.

Remove screws, which secure Lamp Box for the light. Pull out the Lamp Box keeping pushing lightly the upper position of it as illustrated as the figure. Pull out the fluorescent tube and then replace it with Makita original new one.

Replacing carbon brushes (Fig. 14 & 15)

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes. Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized Service Centers, always using Makita replacement parts.

OPTIONAL ACCESSORIES**CAUTION:**

- These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Makita service center.

- Band saw blades
- Hex wrench 4
- Cutting wax
- Portable band saw stand

NOTE:

- Some items in the list may be included in the tool package as standard accessories. They may differ from country to country.

ENG905-1

Noise

The typical A-weighted noise level determined according to EN60745:

Sound pressure level (L_{pA}): 86 dB (A)

Sound power level (L_{WA}): 98 dB (A)

Uncertainty (K): 3 dB (A)

Wear ear protection

ENG900-1

Vibration

The vibration total value (tri-axial vector sum) determined according to EN60745:

Work mode: cutting chipboard

Vibration emission ($a_{h,CW}$): 2.5 m/s² or less

Uncertainty (K): 1.5 m/s²

Work mode: cutting metal

Vibration emission ($a_{h,CM}$): 2.5 m/s² or less

Uncertainty (K): 1.5 m/s²

ENG901-1

- The declared vibration emission value has been measured in accordance with the standard test method and may be used for comparing one tool with another.
- The declared vibration emission value may also be used in a preliminary assessment of exposure.

WARNING:

- The vibration emission during actual use of the power tool can differ from the declared emission value depending on the ways in which the tool is used.
- Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

ENH101-13

For European countries only

EC Declaration of Conformity

We Makita Corporation as the responsible manufacturer declare that the following Makita machine(s):

Designation of Machine:

Portable Band Saw

Model No./ Type: 2107F

are of series production and

Conforms to the following European Directives:

98/37/EC until 28th December 2009 and then with
2006/42/EC from 29th December 2009

And are manufactured in accordance with the following
standards or standardised documents:

EN60745

The technical documentation is kept by our authorized
representative in Europe who is:

Makita International Europe Ltd.

Michigan Drive, Tongwell,

Milton Keynes, MK15 8JD, England

30.1.2009



Tomoyasu Kato
Director

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