



FLAT AND ROUND SPOKESHAVES Owner's Manual

Record the invoice number and date of purchase in your manual for future reference.

Invoice Number:

Date of Purchase:

Flat & Round Spokeshave Specifications

Flat: MTC-10643

Round: MTC-10650

		Flat	Round
Overall Width	290mm	●	●
Sole Dimensions	72 x 25	●	●
Weight	375g	●	●
Blade Bed Angle	40°	●	●
Blade Bevel Angle	25°	●	●
Blade Steel	M2 HSS	●	●
Blade Width	51mm	●	●
Blade Thickness	3.2mm	●	●
Sole Radius	62.5mm	○	●

Spokeshave Replacement Blade

Product Code	Description
MTC-10667	Suits Flat and Round

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INTRODUCTION

Melbourne Tool Company

The most human thing you can do is make things.
And there is no more natural way to-do this than work with wood.
Yet wood working is not without its challenges it takes focus and discipline to learn the craft. Good makers stick at it and work hard because nothing else really matters.

Woodworking also requires great tools.
Tools that are simple, authentic and accessible. Knowing this led to the creation of the Melbourne Tool Company. Designed and developed in Melbourne Australia, for all you passionate woodworkers out there.

MTC Spokeshaves

The MTC Flat and Curved sole Spokeshaves are the perfect companions for when your work moves beyond the square. Combining the comfort and control of the wooden spokeshaves of old with modern quality and easy blade adjustment, you will be looking for excuses to add a curve to all your future projects.

Welcome to the MTC family.



SECTION 1:

SAFETY

General Safety Rules

For your own safety, please read and understand this instruction manual before installing and operating the tool.

Owner's Manual:

Read and understand this owner's manual before using the tool.

Handle With Care:

Hand tools include sharp blades that will cause serious injury if handled improperly. Dropping the tool will likely cause damage to the tool and anything it lands on, including but not limited to your toes.

Keep the Tool Sharp:

A blunt tool will require excessive force to be used, which greatly increases the chance of injury.

Awkward Positions:

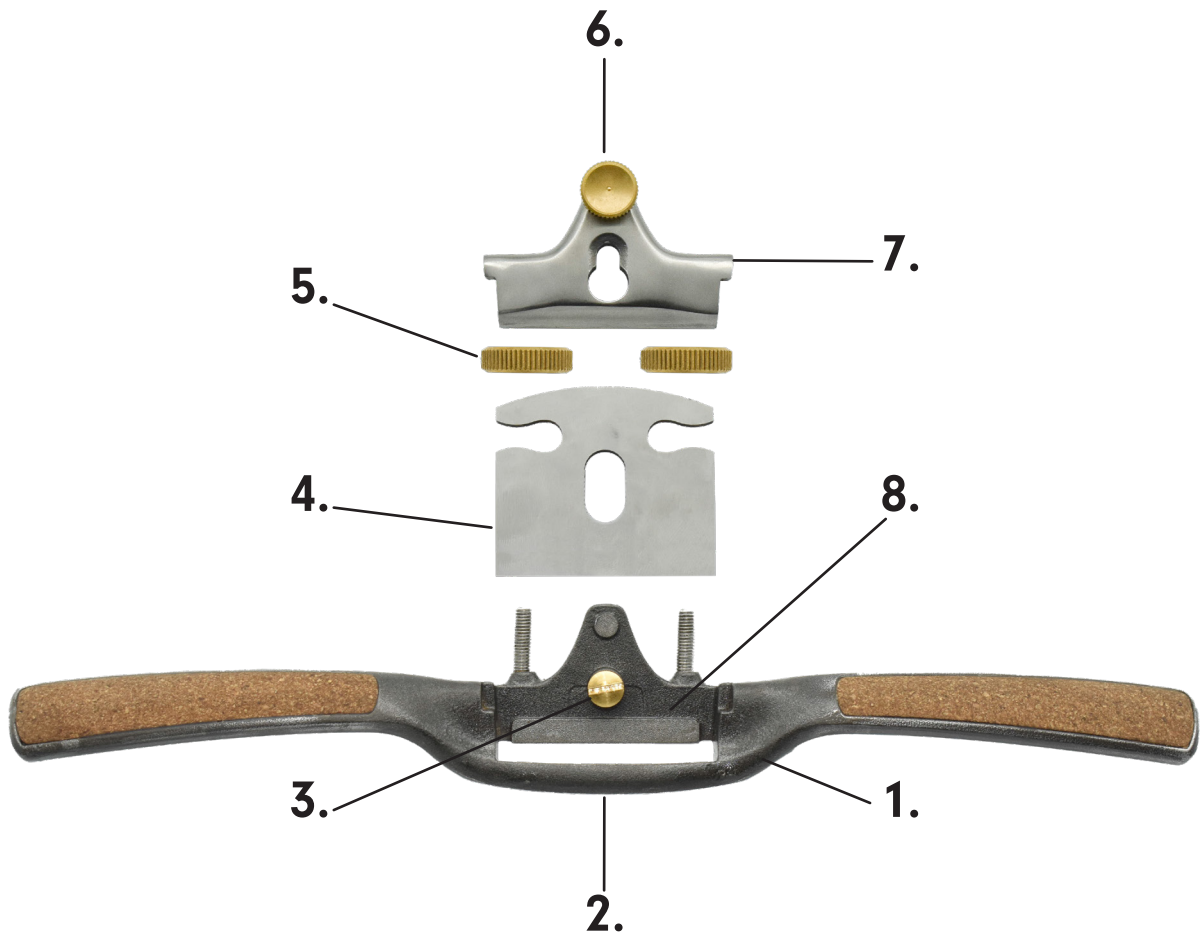
Keep proper footing and balance at all times when using the tool. Arrange the workpiece so that you can bring the tool to the work in a comfortable manner.

Experiencing Difficulties?

If at any time you experience difficulties in performing the intended operation, stop using the tool and consult this owner's manual. For further technical support, please contact support@melbournetool.com or the retailer from which you purchased the tool.

SECTION 2: COMPONENT DIAGRAM

Diagram



- 1. Body
- 2. Sole
- 3. Lever Cap Retaining Screw
- 4. Blade

- 5. Blade Adjustment Thumbwheel
- 6. Lever Cap Thumb Screw
- 7. Lever Cap
- 8. Blade Bed

SECTION 3: OPERATION

First Use

Your spokeshave ships with a coating of rust-inhibiting oil to ensure it arrives to you in good condition, but this must be removed prior to use.

Remove the lever cap and blade, taking care with the sharp edge of the blade.

Note: If the blade appears stuck it may be retracted hard against the central boss - try advancing the blade a couple of turns (see 'Setting the Blade'). Using a rag, wipe all components to remove all but the lightest coating of oil, being careful to avoid the cork handle inserts.

The blade is ground to the correct angle but will require sharpening before use. The back of the blade may also benefit from final flattening.

Reassemble the Spokeshave, noting the correct orientation of the blade (bevel facing down) and taking care not to damage the edge.

Do not overtighten the cap iron thumbscrew - it only needs one 1/8th of a turn or so once the slack is taken out.

Sharpening the Blade

Periodically check the condition of the blade and sharpen as required - a sharp blade is the single biggest factor in enjoying the use of your spokeshave and the quality of the surface it produces.

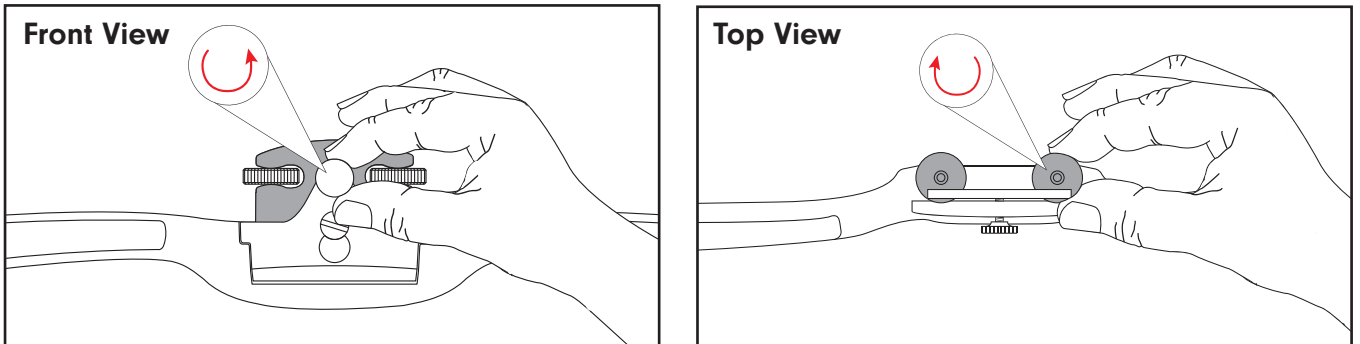
When replacing the blade check the bed is free from wood shavings and any build-up of wax or oil.

Setting the blade

The Depth & Lateral Adjustment Wheels control both the projection of the blade below the sole and the lateral angle of the blade.

Turning the wheels clockwise advances the blade, while turning them anticlockwise retracts it. Turning each wheel a differing amount skews the blade left or right.

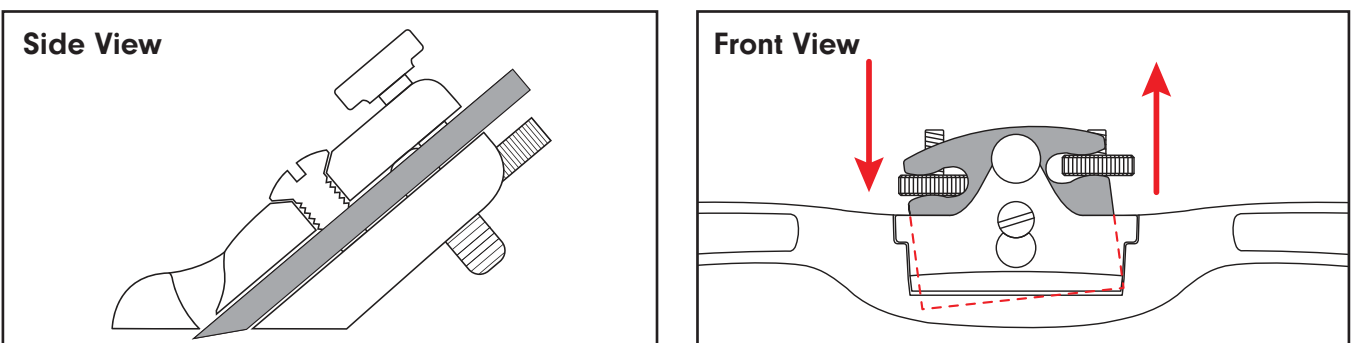
Depth & Lateral Adjustment



1. Loosen the lever cap thumbscrew just enough so that adjustments can be made without excessive force.
2. Place the spokeshave on a flat surface and advance each side of the blade evenly until it just touches the surface.
3. Tighten the lever cap thumbscrew (about 1/8th of a turn - do not overtighten!) and take a test cut.
4. If a heavier cut is required, repeat the procedure advancing the blade a small amount.
5. If a lighter cut is required, retract the blade more than necessary and then advance it again to the desired position. This will ensure the blade does not retract in use.

Note: You may wish to set the blade so that it takes a thicker shaving on one side than the other. In this way you can quickly move between removing waste in bulk and refining a surface without re-setting the blade.

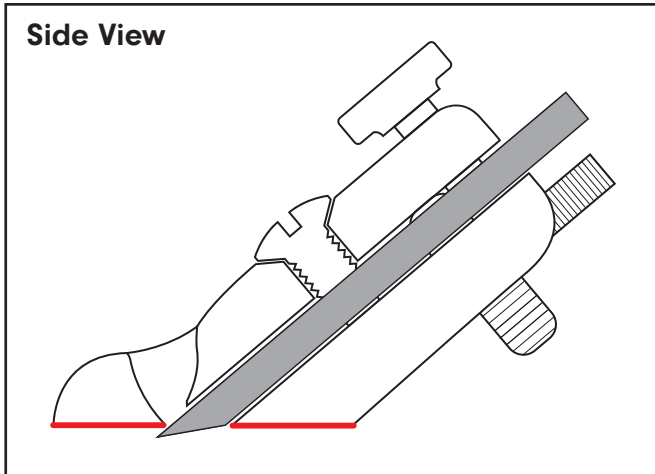
Blade Mouth Adjustment



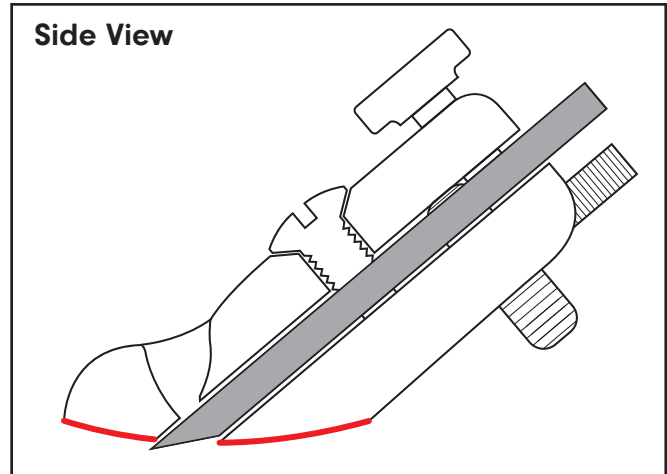
Concave & Convex Curves

Melbourne Tool Company produces two spokeshaves – a flat sole model and a curved sole model. Generally speaking, the flat sole will handle straight edges and convex (or 'outside') curves, whilst concave (or 'inside') curves will require the curved sole model.

Flat sole



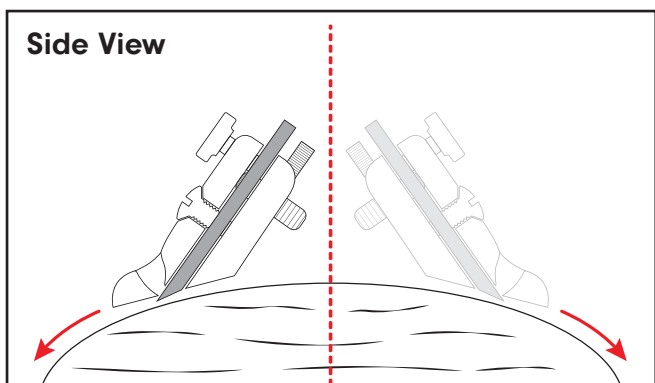
Curved sole



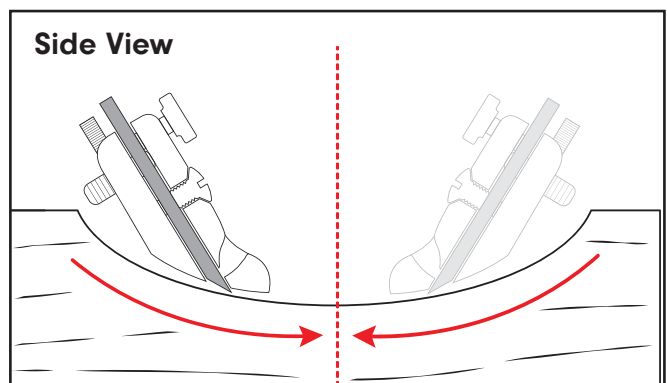
Grain Direction

As with all plane work, to achieve a smooth surface it is important to work with the grain wherever possible. When working on a curved surface, this commonly means that the best direction to work from will be different at either end of the curve. The MTC Spokeshaves are designed to be comfortable to push or pull towards yourself, reducing the need to rotate your workpiece as you move along a curve.

Flat sole



Curved sole



SECTION 4:

MAINTENANCE

Maintenance

- After each use, disassemble the spokeshave and clean off accumulated dirt, grease, resin and rust, especially from the threads and blade bed. An old toothbrush is ideal for this
- If the spokeshave is stored in damp or humid conditions or when overnight temperatures drop significantly, it should be stored wrapped in cloth or in a plane sack
- A light layer of paste wax with rust inhibiting ingredients is ideal for protecting the raw metal parts of the spokeshave. Alternatively, a light machine oil can be applied. In either case ensure that any excess is removed leaving only a very light coating on the tool
- It is a good idea to also wipe off finger marks after use to minimise the chance of surface rust
- Protect the cork handle insert with a light coat of cabinet wax. The cork handle insert will darken over time.

SECTION 5:

TROUBLESHOOTING

Ensure the blade is sharp

The first step of any troubleshooting is to ensure that blade is sharp. If sharpening the blade does not resolve the issue please see below for further suggestions.

Tear-out

- Most often caused by shaving against the grain – try shaving in the opposite direction
- If it is not possible to shave with the grain due to the nature of the design or difficult grain, take the lightest cut possible with a freshly sharpened blade.

The spokeshave leaves tracks on a board's surface

- Examine your blade for damage and sharpen if required
- If the tracks occur at the corners of the blade when you are shaving a broad, nearly flat surface (such as a paddle) you may want to round the corners of your blade with a diamond or oilstone.

The blade 'chatters'

- Ensure the blade is sharp
- Reduce the depth of cut
- Hold the spokeshave at an angle to skew the cut, reducing the effective cutting angle
- Lubricate the sole with wax or oil.

SECTION 6:

WARRANTY & SUPPORT

Melbourne Tool Company Warranty Statement

The metal parts of this Plane carry a Limited Warranty against manufacturing defects. The warranty does not cover modifications, willful misuse, accidental damage, or damage arising from the owner's failure to reasonably maintain the product.

Non-metal parts carry a two-year warranty against defects. The warranty does not cover modifications, willful misuse, accidental damage, or damage arising from the owner's failure to reasonably maintain the product.

If your Melbourne Tool Company product has a warrant-able fault, please contact the retailer that it was purchased from.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Disclaimer

Customers should ensure that they take all reasonable safety precautions when operating MTC products. MTC will not be held liable to you in respect of any personal injury (including without limitation serious injury or death) that you may suffer or sustain directly or indirectly as a result of the use of products sold by us. Nor will we be liable to you in respect of any other losses arising as a result of any such personal injury.

Nothing in this disclaimer shall: limit or exclude our liability for death or personal injury resulting from negligence, limit or exclude our liability for fraud or fraudulent misrepresentation, limit any of our liabilities in any way that is not permitted under applicable law, or exclude any of our liabilities that may not be excluded under applicable law.

Manual Accuracy

We have made every effort to be exact with the specifications, instructions, drawings, and photographs in this manual. Our policy of continuous improvement can sometimes mean that sometimes the machine you receive is slightly different to that shown in the manual.

If you find this to be the case, and the difference between the manual and the product leaves you confused or unsure about something, check the retailer's website for an updated version. Alternatively, you can contact us directly at **support@melbournetool.com**

Technical Support

If you have a question about your MTC product that isn't covered in this manual, please email us directly at **support@melbournetool.com**



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TOOL COMPANY

www.melbournetool.com